CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES
OBSERVATORIES BRANCH

PUBLICATIONS

OF THE

Dominion Observatory

OTTAWA

Volume XXXIII

THE QUEEN'S PRINTER AND CONTROLLER OF STATIONERY
OTTAWA, 1967

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VOLUME XXXIII

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COMPUTER RE-EVALUATION OF EARTHQUAKE MECHANISM SOLUTIONS

A. J. Wickens and J. H. Hodgson

Abstract: A program has been written which determines the best positions of the P-nodal planes and B axis for any set of observations and defines the variations possible in these positions. In the best and in the extreme positions a number of parameters are calculated: (1) with Model I assumed, and each plane taken in turn as the fault, the strike and dip components are computed; (2) with Model II assumed, the orientation of the pressure and tension axes is calculated.

This program has been applied to the data on 618 earthquakes; these include all earthquakes for which solutions have previously been published anywhere in the world and for which the data are available, together with a large number of European earthquakes for which data have been collected through the European Seismological Commission's Working Group on Earthquake Mechanism (Dr. A. R. Ritsema, chairman). Where more than one author has considered an earthquake, the data of each are treated separately and are then combined to produce a final solution. The entire print-out is included in the paper.

Of the 618 earthquakes, 70 provide unique solutions in which none of the parameters vary by more than 10 degrees. For these the paper provides a listing of the observations on which the solution is based, together with the constants of the observing stations, the theoretical amplitude and polarity for each of these stations reduced to the focal sphere, and a plot of the data and solution on a Byerly projection.

Résumé: Un programme a été élaboré en vue de déterminer les meilleures positions des plans P nodaux et de l'axe des B pour tout jeu d'observations, et définir les variations possibles de ces positions. On a calculé un certain nombre de paramètres pour les positions extrêmes: 1) en prenant le modèle n° 1 et en examinant tour à tour chaque plan, on calcule les composantes de faille, de direction et de pendage; 2) en prenant le modèle n° 2, on calcule l'orientation des axes de pression et de tension.

Ce programme a été appliqué aux données établies sur 618 tremblements de terre. On y retrouve tous ceux pour lesquels des solutions ont déjà été publiées quelque part dans le monde et dont les données sont connues y compris celles d'un grand nombre de séismes européens recueillies par l'entremise du Groupe de travail de la Commission séismologique européenne sur le mécanisme des tremblements de terre (président, M. A. R. Ritsema). Lorsque plusieurs auteurs se sont occupés d'un même séisme, les données de chaque auteur sont traitées séparément puis réunies pour en tirer une conclusion définitive. Toutes les publications parues à ce jour sont comprises dans cette étude.

Des 618 séismes, 70 fournissent une solution unique dans laquelle aucun des paramètres ne varie de plus de 10 degrés. Pour ce groupe, l'étude comporte une liste des observations sur lesquelles la solution a été fondée, y compris les constantes observées aux stations séismiques, l'amplitude et la polarité théoriques de chacune des stations réduites à sa sphère focale, une abaque des données et la solution d'après la projection Byerly.

INTRODUCTION

From the earliest days of seismology, it has been known that earthquakes produce initial compressions at some stations and initial dilatations at others, and there have been strong reasons to believe that compressions could be separated from dilatations by a pair of orthogonal planes in the focus. According to one school of thought, these planes represented the fault and the "auxiliary" plane; according to another school, the bisectors of the angles between the planes represent the directions of maximum and minimum pressure. The question can be avoided by using the term "nodal planes," since this implies only that there is a change of sign when the planes are passed through and attaches no physical significance to them.

The determination of nodal planes has been vigorously pursued by a number of institutions and individuals beginning with Byerly and his students and including seismologists particularly from the United States, Holland, Japan, Canada and the U.S.S.R. From the beginning there was poor agreement among the results of the several groups, although in the initial stages of the work each group thought that patterns could be observed within their own results. For example, it was sometimes claimed there was uniformity in the direction of maximum pressure, or that some invariant of the solutions showed a relation to geological conditions. As more and more results became available, they showed an increasing lack of uniformity even within a single group. When the results of all investigators are brought into a single catalogue, as they have been, for example, by Schäffner (1959, 1962), they become chaotic.

Two reasons can be suggested for this. The first is lack of objectivity in the solutions. Each solution simply represents the best fit that the particular investigator was able to find for the available data: not all workers are equally thorough in the collection of data or equally skillful in determining the best position of the nodal planes. Secondly, the position of the nodal planes is often not well defined. Perhaps one plane is closely limited by the data and the other less so. Most investigators will draw the poorly defined plane in a mean position and state that it is not definitely fixed; but when the solution is taken up and listed in a catalogue, these remarks on the limitations of the solution get left behind. Elsewhere (Hodgson and Stevens, 1964), the case has been put as follows: "It would be desirable to review all published solutions, to find some way of expressing their reliability and the closeness of their fit to the published position, and to treat all of them in the same objective way. No one has had the energy to undertake this formidable task, but it is increasingly obvious that no progress is going to be made until it has been done."

Clearly, the only way in which such a large body of data can be uniformly handled within a reasonable time is through a computer. This paper will describe a program that has been designed to analyze the data by computer and is now in operation. The program makes use of an analysis provided by Knopoff (1961) and adopts several ideas first presented by Kasahara (1963). An earlier, somewhat simpler, program was described in a paper read to the Berkeley meetings of the International Association of Seismology and Physics of the Earth's Interior.

THEORY

Description of the Method

It will be helpful to give an outline of the method without details so that the reader may understand the principles involved.

Imagine the focus of the earthquake surrounded by a small sphere—the "focal sphere"—with the observing stations projected on this sphere according to Byerly's method. Some of the projected points will carry a plus sign, others a minus sign, according as they recorded an initial compression or dilatation. Now imagine a pair of orthogonal planes in the focus to assume a sequence of positions, systematically swinging completely through the solid angle in the focus. In any position we might form the algebraic sum of the plus and minus observations in opposite quadrants; the position that gave the maximum positive sum in one pair of quadrants and the maximum negative sum in the other might be regarded as the optimum position of the planes.

Unfortunately, a somewhat more complicated system of scoring is necessary. In the first place, all stations are not equally reliable, and they must be weighted to express this. In the second place, a station close to a nodal line cannot be expected to get as reliable an observation as one remote from the line; at the extreme, a position *on* the nodal line should have zero amplitude. The stations must thus be additionally weighted according to the theoretical radiation pattern. Finally, with these variable weights, statistical considerations must bear on the "best" position of the planes. The "score" in any position is thus rather more complicated than the simple algebraic sum, but it should define one or more optimum positions of the nodal planes.

At the time of the Berkeley meetings of the I.U.G.G., a small, informal conference was held among a number of interested workers to discuss how the precision of definition of a nodal plane might be expressed. It was agreed that, since even the best stations produce inconsistent observations about one time in ten, it was unrealistic to allow a single observation to define the position of a plane. It was agreed that a plane might be allowed to swing first in one direction and then in the other, until in each case it had made two additional stations wrong. Having determined the optimum positions of the nodal planes, we must then carry out this search to define their possible excursions.

In what follows, we must discuss:

the geometry of the problem, including the geometry of the searching planes;
the weighting of the observations in accordance with the radiation pattern;
the weighting of the observations in accordance with station reliability;
the operation of the program to select the nodal planes; and
the operation of the program to define the possible variations of the nodal planes.

The Geometry of the Problem

Take a fixed Cartesian reference frame X, Y, Z in the focus O, oriented as shown in Figure 1 with the X and Y axes south and east respectively. Let the nodal planes be defined by their normals A and C; their intersection, the so-called "null" direction, is given by B. The positions of the triad A, B, C, relative to X, Y, Z, are given by the angles Az, H and R as shown in the figure.

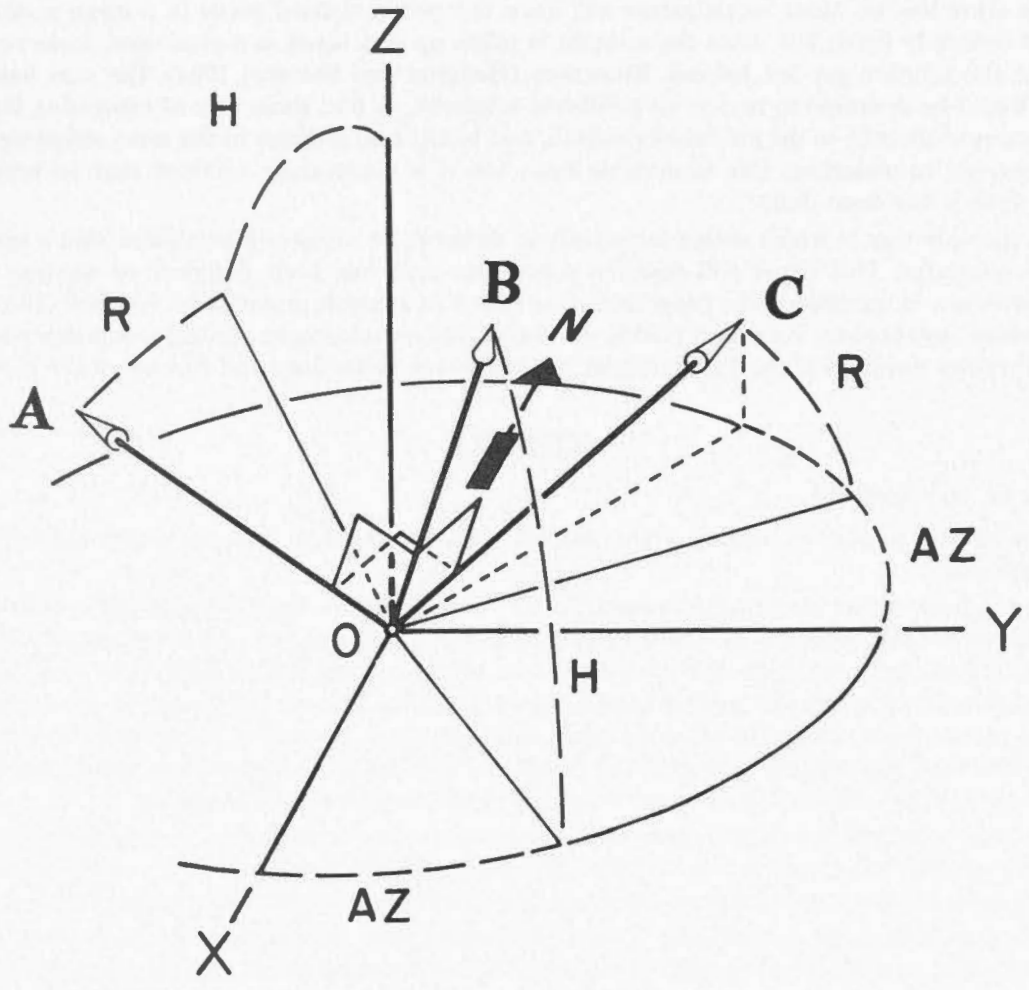

FIGURE 1. Fixed reference frame X, Y, Z and moving triad A, B, C.

The direction cosines of each of the vectors A, B, C are given by the first, second and third rows respectively of the following matrix:

$$\begin{vmatrix} (-\sin H \cos Az \cos R + \sin Az \sin R) & (-\sin H \sin Az \cos R - \cos Az \sin R) & (\cos H \cos R) \\ (\cos H \cos Az) & (\cos H \sin Az) & (\sin H) \\ (-\sin H \cos Az \sin R - \sin Az \cos R) & (-\sin H \sin Az \sin R + \cos Az \cos R) & (\sin R \cos H) \end{vmatrix}$$

The position of an observation point P on the focal sphere is given by the direction cosines in the row vector

$$(-\sin i \cos Z) \qquad (\sin i \sin Z) \qquad (-\cos i)$$

where Z is the azimuth from the epicentre to the observing station and i is the emergent angle obtained from tables of extended distances measured upward from the downward vertical at O. Z is measured from the north, positive to the east, negative to the west.

The Theoretical Radiation Pattern

The theoretical radiation pattern has been determined by Homma (1941). With his results adapted to the present notation, the theoretical radiation, which corresponds to any orientation A, C of the nodal planes, may be represented at the i^{th} station by

$$\varphi_{Pi} = (\vec{P_i} \cdot \vec{A}) \; (\vec{P_i} \cdot \vec{C}).$$

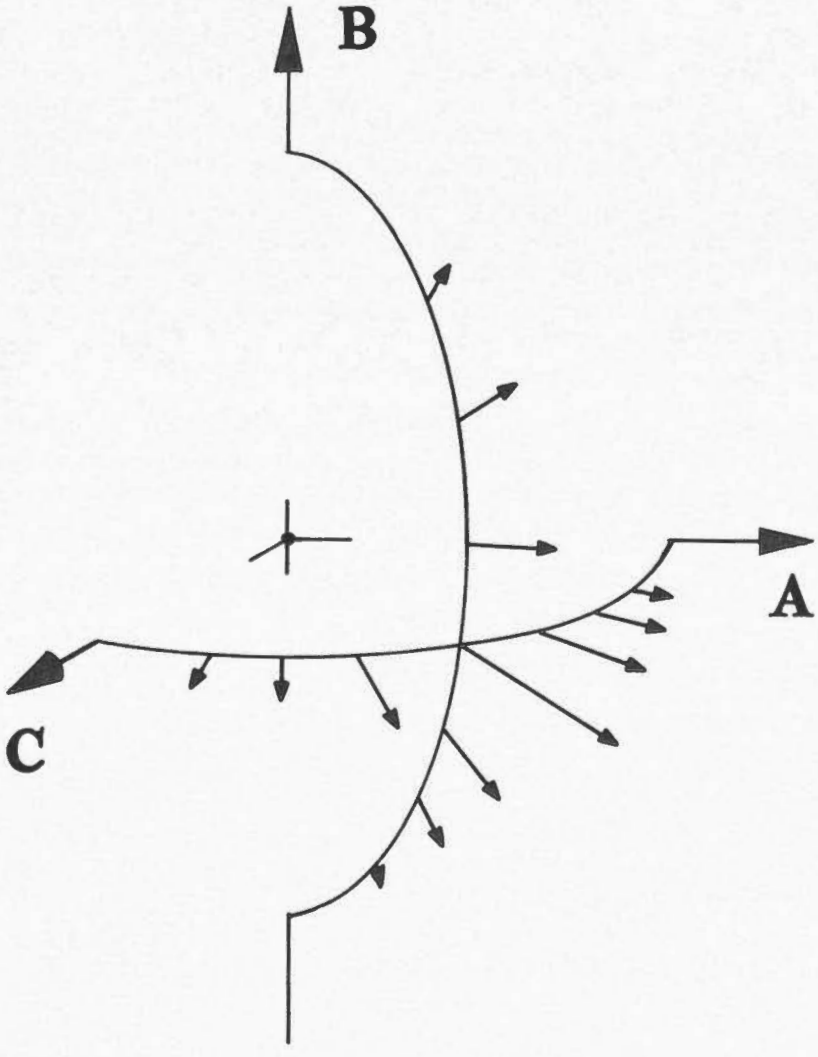

FIGURE 2. Theoretical radiation for a compressional quadrant.

We observe that, since all the vectors are unit and pass through 0, the theoretical normalized amplitude is 0 on the planes A and C and increases to a maximum of 0.5 at a point P midway between the nodal planes, such that

$$\vec{P_i} \cdot \vec{B} = 0.$$

This variation has been indicated in Figure 2 for a single quadrant.

Knopoff (1961) discussed the problem of "best fit" to a set of nodal planes. He assumed that the probability of a station reporting a correct observation could be given by

$$\tfrac{1}{2}\left\{ 1 + \text{erf } \varphi_{Pi}/|\mathrm{N}_i| \text{ sgn } \varphi_{Pi} \text{ sgn } R_i \right\}$$

where erf (X) is the error function with argument X and where, at the point P_i,

φ_{Pi} is the theoretical signal and sgn φ_{Pi} its polarity,

sgn R_i is the observed signal polarity

$|N_i|$ is the noise level.

He then went on to show that the solution giving the best fit is that obtained by maximizing the function

$$\Phi = \sum_{i=1}^{n} \log \tfrac{1}{2} [1 + \text{erf}\,(\varphi_{Pi}/\,|N_i|\,) \text{ sgn } \varphi_{Pi} \text{ sgn } R_i].$$

Knopoff started with a trial solution that permitted him to maximize Φ numerically. In our case, we are searching for trial solutions throughout the entire solid angle in the focus, and it would be too time-consuming to maximize the function for each one of these trial solutions, the vast majority of which will be discarded. If the process of maximization would locate solutions remote from the trial position, we might reduce the number of trial positions and so justify the procedure. Kasahara's (1963) experience, however, shows that this does not occur.

We have instead based a system of weighting on Knopoff's expression, taking as our weight function

$$W_{Pi} = \tfrac{1}{2} \text{ erf } \varphi_{Pi}/\,|\,N_i\,|.$$

In the process of his maximization, Knopoff determined $|\,N_i\,|$ for each station. We have had to assume some constant value for it and have arbitrarily given $\varphi_{Pi}\,/|\,N_i\,|$ a maximum of 2.4 at a point 45 degrees from the nodal lines. Since we are going to apply this value of the signal-to-noise ratio to all stations for all earthquakes under all conditions, the assumption seems reasonable.

A good approximation of the value was obtained by the relation

$$W_{Pi} = |\,2\,\varphi_{Pi}\,(1 - |\,\varphi_{Pi}\,|\,)\,|$$

and was used to avoid tabulation of the error function. The plot of Figure 3 shows the variation for both functions. Note that the signal-to-noise ratio is unity at about 18.5 degrees.

This weighting function was used on an experimental basis for numerous solutions. It was found that "tight" solutions were not obtained even when the data suggested that they existed. Some weight had to be given to stations near the line if the difficulty was to be overcome; experience over many years suggested that the assignment of such weight was justified. The weighting function was therefore modified to:

$$\mathrm{W}_{Pi} = |\,2\,\varphi_{Pi}\,(1 - |\,\varphi_{Pi}\,|\,) + k \text{ sgn } \varphi_{Pi}\,|.$$

Tests based on a representative series of 20 earthquakes with values of k ranging from 0.0 to 0.5 suggested that the value $k = 0.3$ gave the best results. This was adopted as standard, and the weighting function became

$$W_{Pi} = |\,2\,\varphi_{Pi}\,(1 - |\,\varphi_{Pi}\,|\,) + 0.3 \text{ sgn } \varphi_{Pi}\,|.$$

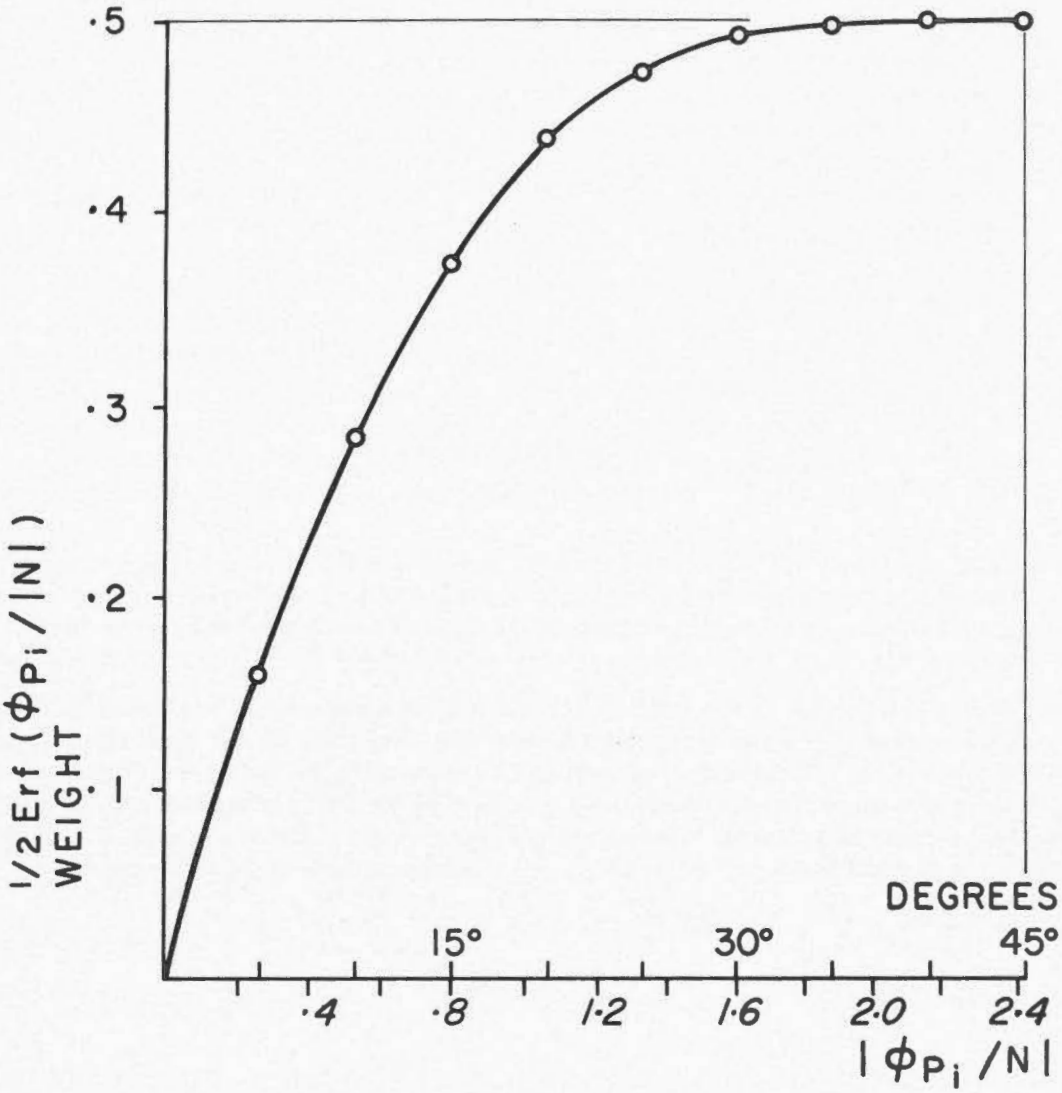

FIGURE 3. The weight function $\frac{1}{2}$ erf $\varphi_{Pi}/\,|\,N_i\,|$ (solid line) compared with values of $|2\,\varphi_{Pi}(1-|\,\varphi_{Pi}\,|)|$ (indicated by open circles).

Weighting for Station Reliability

Kasahara (1963) suggested the use of a weighted, running average with the formula

$$\sigma_{i,j} = \sum_{p=1}^{6} (6 - p)N'_{i,j-p} \,/\, \sum_{p=1}^{6} (6 - p)N_{i,j-p}$$

where $N_{i,j}$ and $N'_{i,j}$ denote, respectively, the total number of readings and the number of proper readings at the i^{th} station in the j^{th} year and σ represents the probability that a station will be correct; to translate this probability into a weight, Kasahara proposed the scheme that follows.

Predicted Probability	Weight
$\sigma \geq 0.95$	5
$0.95 > \sigma \geq 0.85$	4
$0.85 > \sigma \geq 0.75$	3
$0.75 > \sigma \geq 0.65$	2
$0.65 > \sigma \geq 0.55$	1
$0.55 > \sigma \geq 0.0$	0

This system of weighting was used in the early tests of the program, but experience showed that the few stations of weight 5 were overweighting other stations and distorting the solutions. We now use weight 1 to express the weights 0 and 1 of Kasahara but weight 100 for all other values. This means that stations of proven lack of reliability do not affect the solution; by carrying them along, however, it will be possible to detect any improvement in the station operation.

Selection of the Nodal Planes

In the first stage of the program, the planes of the A, B, C system are allowed to assume a sequence of positions. This is accomplished by giving finite increments ΔAz to Az, ΔH to H and ΔR to R (in practice ΔAz is 10 degrees and Az ranges through 360 degrees, ΔH is 10 degrees and H ranges through 90 degrees, and ΔR is 6 degrees with a range for R of 90 degrees; the result is a total of 4,860 trial positions of the grid). At each of these trial positions, the following function is evaluated:

$$\text{SCORE} = \left| \frac{\Sigma W_{Pi} \operatorname{sgn} \varphi_{Pi} \operatorname{sgn} R_i \pm D}{\Sigma \mid W_{Pi} \mid} \right| .$$

The term $W_{Pi} \operatorname{sgn} \varphi_{Pi} \operatorname{sgn} R_i$ will be positive if the theoretical and observed polarities agree, negative otherwise. Because of ambiguity in determining which plane is the fault, a maximum negative score is equivalent to a maximum positive one. We therefore reduce the number of search positions by determining the "score" for absolute values.

The term D was not present in the original formula for the score, and it was found that maxima were frequently being overlooked. D is based on the sign *changes* that take place in the term $\operatorname{sgn} \varphi_{Pi} \operatorname{sgn} R_i$ between adjacent trial positions of the nodal planes. For example, if between the k^{th} and $(k+1)^{\text{th}}$ positions we have ten observed dilatations and three observed compressions, it is possible that the score might be improved to the extent of three fewer wrong observations in some intermediate position of the trial planes. We therefore increase the score by an amount $\pm\ 0.3 \times 3 = 0.9$ where the $+$ or $-$ is used in the sense of increasing the $(k+1)^{\text{th}}$ score. In general

$$D = 0.3 \left\{ \text{Min}\,(N, P) \right\}$$

where N and P are the number of negative and positive observations between the nodal lines for the k^{th} and $(k+1)^{\text{th}}$ trial positions of the planes. The factor 0.3, the minimum value for the weight function, is selected since the stations in question are, by hypothesis, close to the nodal line. The test grid is exploring quite different regions in each quadrant. D is computed separately for each of these regions, and the final D is the sum of the four individual ones.

From the large number of initial trial positions (4,860 in current practice), a very much smaller number (at present 16) having the largest scores are retained for refinement. Each of these in turn is regarded as the "centroid of a parallelepiped" (the term is loosely used since we are not working in rectangular coordinates) whose dimensions are equal to twice the trial grid spacing. The score at the centroid is compared with that at each corner of the parallelepiped, but for this process the sensing factor D is treated separately. The steps in the analysis are as follows:

(a) The score is evaluated for the centroid and for each corner of the parallelepiped (nine values); D is evaluated between the centroid and each corner (eight values);

(b) If the central score is equal to or greater than the largest corner score, reduce the parallelepiped by one half and repeat step (a);

(c) If the central score is less than the largest corner score and the factor D for this pair is the largest of the D's, take the largest corner as a new centroid and repeat starting at (a);

(d) If the centroid score is less than the largest corner score whereas the factor D for the pair is not the largest of the D's, take the mean of the largest corner and the corner associated with the largest D as the new centroid and repeat starting at (a).

It may happen that the foregoing procedure will involve us in a logical trap. For example, if the region of minimum is very flat, the two positions mentioned under step (d) may belong to diagonally opposite points of the parallelepiped. In this case the original centroid would be re-selected repeatedly. To avoid this and other traps, a maximum of 10 returns to step (a) is allowed with any one size of the parallelepiped. If 10 returns do occur, that centroid is retained with a reduced parallelepiped before going to (a).

The maximum for a selected trial position is considered attained when the parallelepiped has been reduced to less than 1/10 degree. The computer now has stored within it the refined values of each of the 16 best solutions. The next problem is to determine how closely the planes are defined.

Reliability of the Nodal Planes

As mentioned earlier, it was agreed at the informal meeting in Berkeley that each of the nodal planes should be varied, in one direction and then in the other, until two additional stations had been made wrong. The concept involved is not very definite because the plane might be moved in strike or in dip or in some combination. Instead, therefore, we rotate around each of the A, B and C axes in turn in both senses until two additional observations are made inconsistent. The following are the necessary matrices for rotation about the A, B and C axes respectively.

Rotation about A axis by $\pm\alpha$

$$\begin{array}{ccc} A_1 & A_2 & A_3 \\ (\ B_1\cos\alpha - C_1\sin\alpha\ ) & (\ B_2\cos\alpha - C_2\sin\alpha\ ) & (\ B_3\cos\alpha - C_3\sin\alpha\ ) \\ (\ B_1\sin\alpha - C_1\cos\alpha\ ) & (\ B_2\sin\alpha + C_2\cos\alpha\ ) & (\ B_3\sin\alpha + C_3\cos\alpha\ ) \end{array}$$

Rotation about B axis by $\pm\beta$

$$\begin{array}{ccc} (\ A_1\cos\beta - C_1\sin\beta\ ) & (\ A_2\cos\beta - C_2\sin\beta\ ) & (\ A_3\cos\beta - C_3\sin\beta\ ) \\ B_1 & B_2 & B_3 \\ (\ A_1\sin\beta + C_1\cos\beta\ ) & (\ A_2\sin\beta + C_2\cos\beta\ ) & (\ A_3\sin\beta + C_3\cos\beta\ ) \end{array}$$

Rotation about C axis by $\pm\gamma$

$$\begin{array}{ccc} (\ A_1\cos\gamma - B_1\sin\gamma\ ) & (\ A_2\cos\gamma - B_2\sin\gamma\ ) & (\ A_3\cos\gamma - B_3\sin\gamma\ ) \\ (\ A_1\sin\gamma + B_1\cos\gamma\ ) & (\ A_2\sin\gamma + B_2\cos\gamma\ ) & (\ A_3\sin\gamma + B_3\cos\gamma\ ) \\ C_1 & C_2 & C_3 \end{array}$$

Ritsema (1964) has suggested an alternative method of expressing the definition of a solution. He would allow the same rotations about each of the three axes A, B and C; but instead of expressing the possible variation in terms of the strike and dip of the planes, he would give the solid angle and the eccentricity of an equivalent right-circular cone on each axis.

The information necessary to compute Ritsema's cones has already been calculated in the previous operation. Where α_1 and α_2 are the lower and upper limits of rotation about the A axis, etc., we have:

$$\text{Top angle } A_\alpha = \sqrt{(\gamma_1+\gamma_2)\ (\beta_1+\beta_2)} \qquad \text{and}$$

$$\text{eccentricity} \qquad \epsilon_A = \left| \frac{\gamma_1+\gamma_2-\beta_1-\beta_2}{\text{MAX}\ (\gamma_1+\gamma_2,\ \beta_1+\beta_2)} \right| .$$

Similar formulæ apply for the B and C axes.

THE PROGRAM AND THE PRINT-OUT

The listing of the program is given in the appendix. In the form there given, the input data consist of the station name, its azimuth and distance from the epicentre, the phase considered (P, PKP_1 or PKP_2) with its observed polarity, and the focal depth of the earthquake. Tables of angles of emergence have already been stored in the computer. Any tables may be used; we have based ours on the extended-distance tables published by this observatory. The program runs without interruption and finally prints out the solution of the refined 16 that gives the best score and, of those solutions that differ from it, the one that has the least number of errors.

Some refinements are made in this final solution. The first is a final adjustment of the solution *with all the inconsistent observations discarded*. This procedure was suggested to us by Ritsema for the following reasons: that the nodal planes had adjusted to a certain position in spite of, but under the influence of, the negative contribution of the inconsistent stations; that in accepting this position we declare the inconsistent stations wrong; that they should therefore not be allowed to bias the position of the planes. (We should either reverse polarity of these stations or ignore them, and we have taken the latter course.)

The limits of this final solution are then explored by rotation in turn about the A, C and B axes. In each case, we make some additional calculations. Assuming a fault model (Honda's Model I), we take planes A and C in turn to be the fault and compute the strike and dip components and the sense of displacement. Assuming a collapse model (Honda's Model II), we compute the azimuth and plunge of the pressure and tension axes. This is done for the updated solution, for the solution with inconsistent observations discarded, and for each of the extreme positions obtained by rotation about the axes. Finally we print out a table giving the distance, azimuth and observed polarity at each recording station, the direction cosines of each in the X, Y, Z system, and the theoretical amplitude that this station should have recorded on the unit sphere. This table is followed by a machine plot of the data in the Byerly projection.

We have not followed the program exactly as given in the listing. The principal difference is that we have interrupted it part way through to print out all 16 of the refined solutions. These were subjected to visual inspection to select those that represented different solutions with about the same number of errors. These solutions were fed back into the computer for the final operations and print out. Experience with a large number of solutions suggests that printing out only the solutions with the best score and with the least number of errors is adequate for routine work.

TABULATION OF RESULTS

We have applied the foregoing program to all the earthquakes for which we could obtain first-motion data, a total of 618, covering the period 1922-62. The results are given in Table I. The data came for the most part from published papers or from theses available in University libraries. Additional data were supplied by a working group set up, under the chairmanship of Dr. A. R. Ritsema, by the European Seismological Commission. This committee, which is interested primarily in the mechanism of European earthquakes, supplied data for numerous studies already published as well as for other earthquakes that have not previously been treated.

The results are listed in two tables. Table I gives the nodal-plane solutions and their possible variations, and Table II lists the observing stations and their theoretical amplitudes for the earthquakes that yielded unique, well-defined solutions. Table II has been thus limited, since the theoretical radiation pattern would be meaningless where there are many possible solutions or where wide variation is possible in the position of the planes.

The earthquakes are listed in Table I in chronological order, and they have been numbered for ease of reference. In each case, the first line gives all available data on the epicentre, and this is followed by all references known to us bearing on the mechanism of the earthquake. In some instances, the date of the earthquake is preceded by an asterisk. We have mentioned the matter of station weight. The weight to be applied in any year is based on the performance of the particular station over the past five years. To compute weights, we had to treat the earthquakes in chronological order. When data were received for an earthquake after its year had contributed to the weights for the next, we could not recompute weights. Such earthquakes have been indicated by an asterisk immediately preceding the date. No attempt was made to assign weights until 1950, and those assigned for that year were based on the results for 1945-49 inclusive; earthquakes that occurred earlier than 1945, therefore, all bear an asterisk.

The complications of the table may be made clear by reference to a specific example. Earthquake No. 327 will be a good one. We note first, through the absence of an asterisk preceding the date, that this earthquake did contribute to the weights for subsequent years. We note further that three authors—Hodgson, Stauder and Stevens—have discussed the mechanism.

The first solution line gives a solution based on S that was published by Stevens. The angles given under "*Az*" and "Dip" for Plane A and Plane C are the azimuth measured clockwise from the north, and the dip measured from the horizontal, of the line in the plane perpendicular to the strike. Conventions for the P, B and T axes are similar. Since we are not dealing with S, we cannot consider Stevens' data. We go then to the next author, Hodgson. (If there were several authors for the paper referred to, we would list only the first name here; if the name ran to more than nine letters, it would be abbreviated). In this case Hodgson said, "no solution," but the computer has found two solutions.

A word about the selection of these solutions is in order, since they are not necessarily those with the highest score and the least number of inconsistencies as given earlier. They were obtained by examination of the 16 refined solutions and application of the principle that, just as a single station must not be accepted as limiting the position of a plane, so the solution with the highest score or the minimum number of inconsistent observations need not be the only possible one. We have agreed to admit as possible any solution different from the best that has not more than one additional inconsistency.

The first of the two possible solutions was based on a total of 79 observations of which 12 were inconsistent; 11 of these were observations with observatory weighting factors of 100; the remaining inconsistent observation was from a downgraded station with weight 1. This information is given under "OBSERVED." The second had 13 inconsistencies, 11 of them weighted. The solutions—71.0, 55.5; 319.2, 61.6; 150.8, 40.6; 10.1, 56.4—appear quite different; but when we discard the inconsistent observations, each updates to essentially the same solution as shown in the next line in each case.

Next we treat the data of Stauder, who had 65 observations, four of which, all weighted, were inconsistent. Again Stauder had said, "no solution." The machine solution does not agree very well with Hodgson's; but when the inconsistent observations are discarded, the solution comes close to Hodgson's. Finally we combine the data; here, because Stauder was working with original records, we accept his value in cases of disagreement. There are two possible solutions, but they converge on one, essentially the one that both Hodgson's and Stauder's converged on. In all cases, the rotation permitted about the axes and the amplitude of Ritsema's cones tell us that the solution is a very poor one, which justifies our final remark about "undefined, central, dilatational circles."

There is more information in the table, which we may illustrate with reference to the final solution given for earthquake 327. In every instance but one the strike component, whether plane *A* or plane *C* is taken as the fault, is less than the dip component. If a fault mechanism is appropriate, it is almost certain that displacement in the dip direction predominates. The "*T*" following the dip component stands for "Thrust" and tells us the nature of this displacement. It also tells us that in the Byerly diagram the circles would be drawn to contain dilatations. The alternative would have been "*N*" for "Normal" faulting and compressional circles. On the basis of Model II, the best value and the variations from it are given for azimuth and plunge of the *P*(pressure), *B*(null) and *T*(tension) axes.

It is worth noticing in our discussion of earthquake No. 327 how the solution obtained by discarding inconsistent observations agrees remarkably well with Stevens' solution based on *S*. This will be observed in many places in the table and confirms us in the wisdom of basing the final solution only on the consistent observations.

We have selected from Table I those earthquakes in which all elements have a variation of less than 10 degrees and have given the station constants and radiation pattern for them. These are based on the solution obtained by dropping the inconsistent observations. The results are given in Table II. In this table the earthquakes are identified by their number and date card as in Table I and the stations are identified by their names (or the first eight letters of them). The successive columns give the following information: *X* and *Y* coordinates in the Byerly plot to follow; an indication of consistency, *W* indicating a "wrong" observation; the theoretical amplitude and polarity of the station reduced to the unit sphere; the observed polarity and station weight, a negative sign indicating a dilatation; the azimuth of the station from the epicentre; the emergent angle, based on observatory tables, of the ray reaching the station, this being measured in the focus between the downward drawn vertical and the ray; the extended distance of the station; the direction cosines, referred to the *X*, *Y*, *Z* frame, of the radius vector drawn to the station on the unit sphere.

After this information the plot of the data, together with the circles representing the solution, is given in the Byerly projection. This plot is produced by the normal computer print-out, not by a plotter, and suffers from the limitations of the printer spacing. The points are only approximate, and closely grouped points may fall on top of each other. To overcome this, the following convention is used:

N (for negative) represents one dilatation;
M represents two dilatations;
L represents three dilatations;
P (for positive) represents one compression;
Q represents two compressions;
R represents three compressions.

Occupation of the same printer position by a dilatation and a compression is indicated by O; the existence of more than three observations of any kind or a mixture of three is indicated by J.

The printer spacing is different in the X and Y direction and has been indicated by a series of dots defining the axes. The X and Y coordinates listed in Table II are measured in these units, which are different for the two axes. The reader is thus permitted to identify the station simply by counting dots along the two axes. Additional stations may be plotted by computing azimuth and distance and measuring extended distance in the units provided on each diagram.

To show the data to best advantage, the computer plots two diagrams on different scales. In some instances we have reproduced one of these, in others both, according to the distribution of the data.

DISCUSSION

We reserve discussion of the tables to a separate paper, in which we shall be joined by Dr. A. E. Stevens. Dr. A. R. Ritsema and his colleagues in the Earthquake Mechanism Committee will discuss the solutions for which they supplied original data.

ACKNOWLEDGMENTS

The present paper marks the end of a project that began at this observatory 15 years ago. Work on various aspects of mechanism will continue, but the program here presented has been turned over to the International Seismological Research Centre, Edinburgh, which, it is hoped, will henceforth carry on the publication of routine P-nodal solutions. This is, therefore, an appropriate time to thank once again the many seismologists throughout the world, who, in supplying data throughout the years, have made this research possible.

We are particularly indebted to Dr. A. R. Ritsema and his colleagues of the European Seismological Commission's working group. In providing us with so many additional data, they have improved the value of this catalogue and the care they exercised has made our task easier.

A vast amount of data has had to be committed to punch-cards. We have been assisted in this by a number of young people—Marlene Metzger, Eden Windish, Peter Hodgson and Bruce Compton—all of whom we thank.

Finally, we express our thanks to V. A. Haw and G. J. Leaver, who fitted us, at no small inconvenience, into the schedule of the Departmental Computing Centre at a time when they were breaking in a new computer.

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Table I

1
* NOVEMBER 11, 1922 H = 04.32.36 29S 70W DEPTH NORMAL M = 8.3
BYERLY, P. 1928 AM. JOUR. SCI., 16, 232.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
BYERLY			-	-			-	-								
	100.0	25-0	276.2	10.6	.82S	.58T	151.2	83.9	.15D	.99T	143.4	38.3	240.3	8.6	340.8	50.4
			317.5	17.6	.23S	.97T	151.7	72.9	.07D	1.00T	148.3	27.8	240.5	4.1	338.2	61.9
ROTATION ABOUT A,C,B AXIS																
	-50.2		317.5	17.6	.60D	.80T	99.5	76.0	.19S	.98T	108.3	30.2	12.2	10.4	265.3	57.7
	21.4		317.5	17.6	.57S	.82T	173.8	75.7	.18D	.98T	165.4	30.0	261.2	10.0	7.6	58.1
	-64.0		248.4	69.3	.95S	.31T	151.7	72.9	.93D	.37T	110.6	2.4	205.3	62.6	19.4	27.3
	64.0		52.0	61.2	.94D	.34T	151.7	72.9	.86S	.50T	189.8	7.6	88.5	55.7	284.8	33.2
	-3.6		319.8	21.1	.20S	.98T	152.0	69.3	.08D	1.00T	148.7	24.2	240.5	4.1	339.5	65.4
	19.2		213.6	4.6	.89S	.45N	330.3	87.9	.07D	1.00N	146.1	46.9	240.5	4.1	334.3	42.8
			CONE A	54 EXA	.82		CONE C	40 EXC	.68				CONE B	96 EXB	.44	

2
* JUNE 28, 1925 H = 01.21.05 46N 111W DEPTH NORMAL M = 6.7
BYERLY, P. 1926 BULL. SEIS. SOC. AM., 16, 207. BYERLY, P. 1955 GEOL. SOC. AM. SPEC. PAPER 62,75.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
BYERLY			116	87			25	82					51	82		
	94.8	22-1	25.9	83.2	1.00S	.05N	116.2	87.0	.99D	.12N	251.2	6.9	49.9	82.6	160.9	2.7
			205.7	65.5	.93S	.36N	304.7	71.0	.90D	.44N	76.6	31.5	248.5	58.2	344.3	3.6
ROTATION ABOUT A,C,B AXIS																
	-24.6		205.7	65.5	1.00S	.06T	114.2	86.7	.91D	.42T	72.5	14.6	197.0	65.3	337.2	19.5
	1.8		205.7	65.5	.92S	.39N	305.6	69.4	.90D	.44N	76.7	32.9	251.1	57.0	345.0	2.6
	-44.8		41.1	72.3	.94S	.34T	304.7	71.0	.95D	.32T	82.8	.9	351.0	63.5	173.2	26.5
	2.0		204.9	63.7	.93S	.36N	304.7	71.0	.88D	.47N	76.6	33.0	246.2	56.6	343.5	4.8
	-6.4		212.4	63.4	.95S	.31N	310.7	73.9	.88D	.47N	84.0	30.9	248.5	58.2	349.8	6.9
	1.4		204.3	66.0	.93S	.37N	303.4	70.4	.90D	.43N	74.9	31.6	248.5	58.2	343.2	2.9
			CONE A	19 EXA	.83		CONE C	14 EXC	.70				CONE B	35 EXB	.44	

3
* MARCH 7, 1927 H = 09.27.46 35.6N 135.0E DEPTH 12 KM. M = 7.7
HODGSON, J.H. 1955 BULL. SEIS. SOC. AM., 45, 37.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		44-11	241	64			145	79					214	62		
	78.6	42-8	255.7	63.1	.79S	.62T	146.1	56.5	.84D	.54T	289.6	4.0	195.6	44.5	23.6	45.2
			261.1	49.6	.69S	.72T	136.8	56.6	.63D	.78T	110.3	4.0	202.8	31.7	14.0	58.0
ROTATION ABOUT A,C,B AXIS																
	-5.4		261.1	49.6	.62S	.79T	131.6	53.3	.59D	.81T	107.0	2.0	198.1	28.1	13.2	61.8
	21.4		261.1	49.6	.91S	.42T	154.3	71.3	.73D	.68T	122.3	13.4	225.4	43.6	19.3	43.3
	-38.4		233.8	79.5	.83S	.56T	136.8	56.6	.98D	.22T	271.2	15.1	158.9	54.5	10.6	31.3
	9.6		271.2	43.4	.60S	.80T	136.8	56.6	.49D	.87T	116.4	7.2	209.6	24.2	11.0	64.6
	-12.8		271.3	59.3	.61S	.79T	147.8	47.1	.72D	.70T	297.1	6.9	202.8	31.7	38.0	57.4
	8.0		253.1	44.0	.76S	.65T	131.2	62.9	.59D	.81T	106.1	10.7	202.8	31.7	359.7	56.1
			CONE A	32 EXA	.57		CONE C	24 EXC	.22				CONE B	36 EXB	.44	

4
* OCTOBER 24, 1927 H = 15.59.55 57.6N 137.0W M = 7.1
STAUDER, W., S.J. 1959 GEOFIS. PURA E APPLIC., 44, 135.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		50-7	153	77			60	82					119	74		
	85.8	50-6	153.6	69.1	.98S	.19T	59.6	79.6	.93D	.36T	18.1	7.2	124.8	66.4	285.1	22.4
			153.4	68.6	.98S	.18T	59.5	80.1	.93D	.37T	18.0	7.8	126.2	66.2	284.8	22.3
ROTATION ABOUT A,C,B AXIS																
	-3.0		153.4	68.6	.97S	.24T	58.3	77.4	.93D	.37T	17.0	6.0	119.8	64.8	284.3	24.4
	.4		153.4	68.6	.98S	.18T	59.6	80.5	.93D	.37T	18.0	8.1	127.1	66.4	284.7	22.0
	-4.8		152.4	73.3	.98S	.18T	59.5	80.1	.96D	.29T	16.8	4.7	120.1	70.5	285.2	18.9
	.2		153.4	68.4	.98S	.18T	59.5	80.1	.93D	.37T	18.0	8.0	126.4	66.1	284.7	22.4
	-0.6		154.0	68.7	.98S	.19T	60.0	79.9	.93D	.37T	18.5	7.6	126.2	66.2	285.3	22.4
	.6		152.7	68.5	.98S	.18T	58.9	80.4	.93D	.37T	17.3	8.1	126.2	66.2	283.9	22.2
			CONE A	2 EXA	.76		CONE C	2 EXC	.65				CONE B	4 EXB	.32	

5
* JUNE 2, 1929 H = 21.38.28 34.5N 137.2E DEPTH 350 KM. M = 7.1
HONDA, H. AND MASATSUKA, A. 1952 SCI. REP. TOHOKU UN. SER. 5, 4, 42.
RITSEMA, A.R. 1964 PURE AND APPLIED GEOPHYS., 59, 58 DATA SUPPLIED BY THE AUTHOR.
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AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HONDA			-	-			-	-			278	32				
RITSEMA			270	76			75	15					359	4		
	100.0	31-0	267.9	75.8	.07S	1.00T	103.1	14.7	.25D	.97T	271.0	30.7	178.8	3.7	82.6	59.0
			258.4	78.5	.72S	.69T	157.6	47.2	.96D	.27T	291.2	19.8	180.1	45.0	37.8	38.4
ROTATION ABOUT A,C,B AXIS																
	-50.2		258.4	78.5	.07D	1.00T	58.6	12.1	.33S	.94T	255.0	33.4	347.6	4.0	83.6	56.3
	43.8		258.4	78.5	1.00S	0T	168.4	89.9	.98D	.20T	124.1	8.0	258.0	78.5	32.9	8.2
	-8.0		252.8	84.4	.73S	.68T	157.6	47.2	.99D	.13T	287.4	24.3	168.8	46.7	34.6	33.3
	32.0		284.3	57.1	.59S	.81T	157.6	47.2	.67D	.74T	309.1	5.5	215.9	29.6	48.6	59.8
	-2.8		260.4	80.5	.72S	.70T	161.3	46.5	.97D	.23T	293.5	21.7	180.1	45.0	41.0	37.1
	7.2		253.0	73.6	.74S	.68T	148.4	49.5	.93D	.37T	285.7	15.0	180.1	45.0	29.2	41.1
			CONE A	20 EXA	.75		CONE C	31 EXC	.89				CONE B	61 EXB	.57	

6
* FEBRUARY 20, 1930 H = 23.37 35N 139.1E DEPTH SHALLOW
HONDA, H. 1932 GEOPHYS. MAG., 5, 69.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HONDA			90	90			360	90								
	100.0	12-0	86.6	85.6	.85S	.53T	353.9	58.1	1.00D	.09T	125.8	18.6	3.6	57.7	225.0	25.4
			86.7	85.6	.85S	.53T	353.9	58.2	1.00D	.09T	126.1	18.5	3.8	57.9	225.2	25.2
ROTATION ABOUT A,C,B AXIS																
	-37.4		86.7	85.6	.35S	.94T	345.2	21.2	.98D	.21T	105.1	37.2	358.4	20.7	245.8	45.5
	88.6		86.7	85.6	.55S	.84N	183.4	33.5	.99D	.14N	297.2	40.0	173.8	33.2	59.3	32.3
	-22.4		254.7	75.4	.84S	.54N	353.9	58.2	.96D	.30N	120.0	33.4	323.5	54.3	217.5	11.2
	32.0		105.7	59.1	.79S	.61T	353.9	58.2	.80D	.60T	139.7	.5	49.2	42.6	230.3	47.4
	-16.0		280.3	85.9	.85S	.53N	12.8	58.2	1.00D	.08N	141.9	25.0	3.8	57.9	241.0	18.8
	11.2		77.0	79.8	.86S	.51T	341.0	59.9	.98D	.21T	115.8	13.3	3.8	57.9	213.2	28.6
			CONE A	38 EXA	.50		CONE C	59 EXC	.78				CONE B	83 EXB	.57	

7

* MARCH 9, 1930 H = 10.54 35N 139.1 E DEPTH SHALLOW
HONDA, H. 1932 GEOPHYS. MAG., 5, 69.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HONDA			90	90			360	90								
	100.0	10-0	79.5	86.4	.96S	.27T	348.5	74.5	1.00D	.07T	123.0	8.3	2.2	74.1	215.0	13.5
			79.4	86.4	.96S	.27T	348.4	74.4	1.00D	.07T	122.8	8.4	2.0	73.9	214.9	13.6
ROTATION ABOUT A,C,B AXIS																
	-63.0		79.4	86.4	.20S	.98T	332.0	11.9	.95D	.30T	89.9	40.4	350.1	11.3	247.5	47.4
	75.8		79.4	86.4	.50S	.87N	175.7	30.1	.99D	.13N	287.2	41.0	167.3	29.8	54.0	34.6
	-64.0		233.2	33.3	.87S	.49N	348.4	74.4	.50D	.87N	134.3	51.4	267.2	28.5	11.0	23.7
	51.2		99.4	38.0	.90S	.44T	348.4	74.4	.57D	.82T	322.5	21.5	67.7	33.6	206.1	48.4
	-19.2		277.9	88.3	.96S	.28N	8.4	74.0	1.00D	.03N	142.0	12.5	2.0	73.9	234.3	10.0
	16.0		63.9	82.3	.97S	.24T	331.9	76.0	.99D	.14T	107.4	4.4	2.0	73.9	198.6	15.5
			CONE A	64 EXA	.69		CONE C	70 EXC	.75				CONE B	126 EXB	.17	

8

* MARCH 22, 1930 H = 08.50 35N 139.1E DEPTH SHALLOW
HONDA, H. 1931 GEOPHYS. MAG., 4, 185.
HONDA, H. 1932 GEOPHYS. MAG., 5, 69.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HONDA			85	90			355	90								
	100.0	15-0	77.1	86.5	.99S	.13T	346.6	82.7	1.00D	.06T	121.7	2.7	12.5	81.9	212.0	7.6
			77.3	86.4	.99S	.13T	346.8	82.6	1.00D	.06T	121.8	2.7	13.0	81.7	212.2	7.8
ROTATION ABOUT A,C,B AXIS																
	-63.0		77.3	86.4	.33S	.94T	337.2	19.9	.98D	.18T	94.8	38.4	348.5	19.5	237.6	45.2
	63.0		77.3	86.4	.57S	.82N	172.5	34.6	.99D	.11N	288.2	38.8	164.8	34.4	48.9	32.5
	-51.2		248.7	43.0	.98S	.19N	346.8	82.6	.67D	.74N	129.8	37.5	263.5	42.0	18.6	25.2
	64.0		94.2	23.5	.95S	.32T	346.8	82.6	.38D	.92T	327.8	33.9	73.7	22.2	190.3	47.7
	-12.8		90.0	88.1	.99S	.14T	359.7	82.0	1.00D	.03T	134.3	4.3	13.0	81.7	224.9	7.1
	8.0		69.3	85.4	.99S	.12T	338.7	83.2	1.00D	.08T	113.8	1.6	13.0	81.7	204.0	8.1
			CONE A	49 EXA	.82		CONE C	51 EXC	.83				CONE B	120 EXB	.09	

9

* MAY 16, 1930 H = 20.14 35N 139.1E DEPTH SHALLOW
HONDA, H. 1932 GEOPHYS. MAG., 5, 69.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HONDA			90	90			360	90								
	100.0	15-0	78.0	85.1	1.00S	.06T	347.7	86.8	1.00D	.09T	302.6	1.2	44.4	84.1	212.5	5.8
			77.9	85.1	1.00S	.06T	347.6	86.7	1.00D	.09T	303.1	1.1	44.1	84.1	213.0	5.8
ROTATION ABOUT A,C,B AXIS																
	-63.0		77.9	85.1	.40S	.92T	336.8	24.2	.98D	.21T	98.4	35.8	350.0	23.6	234.2	44.9
	75.8		77.9	85.1	.30S	.95N	183.1	18.1	.96D	.28N	276.0	47.1	166.3	17.4	62.3	37.7
	-64.0		252.1	31.1	.99S	.11N	347.6	86.7	.51D	.86N	139.1	40.2	259.5	30.9	13.7	34.4
	64.0		86.0	21.3	.99S	.16T	347.6	86.7	.36D	.93T	328.7	38.2	76.3	21.0	188.4	44.4
	-8.0		85.9	85.6	1.00S	.07T	355.6	86.1	1.00D	.08T	310.7	.4	44.1	84.1	220.6	5.9
	8.0		69.8	84.7	1.00S	.04T	339.6	87.5	1.00D	.09T	294.5	2.0	44.1	84.1	204.3	5.6
			CONE A	45 EXA	.87		CONE C	47 EXC	.88				CONE B	133 EXB	.08	

10
* JUNE 4, 1930 H = 09.50.29 6.5S 128.5E DEPTH 400 KM. M = 6.7
RITSEMA, A.R. 1959 PUBL. DOM. OBS., 20, 341. DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		7-0	340	40			233	76					313	36		
	100.0	7-0	240.0	67.2	.05S	1.00T	67.5	23.0	.12D	.99T	242.2	22.1	151.1	2.7	54.5	67.7
			240.0	67.2	.05S	1.00T	67.5	23.0	.12D	.99T	242.2	22.1	151.1	2.7	54.5	67.7
ROTATION ABOUT A,C,B AXIS																
	-50.2		240.0	67.2	.73D	.68T	349.7	51.3	.87S	.50T	208.2	9.7	307.2	42.6	108.1	45.8
	56.6		240.0	67.2	.86S	.51T	137.1	62.1	.90D	.44T	277.6	3.3	183.3	52.6	10.0	37.2
	-44.8		193.5	76.0	.32S	.95T	67.5	23.0	.79D	.62T	208.2	28.7	108.1	17.8	350.5	55.3
	51.2		294.1	73.8	.28D	.96T	67.5	23.0	.70S	.72T	281.1	27.0	19.4	15.8	136.4	58.0
	-25.6		61.2	87.2	.05S	1.00N	197.0	3.9	.70D	.72N	244.1	47.7	151.1	2.7	58.7	42.1
	25.6		238.1	41.7	.07S	1.00T	63.5	48.5	.06D	1.00T	60.9	3.4	151.1	2.7	279.4	85.7
			CONE A	70 EXA	.47		CONE C	74 EXC	.52				CONE B	101 EXB	.10	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	100.0	7-0	26.0	87.4	.99S	.13N	116.3	82.4	1.00D	.05N	250.9	7.2	97.0	82.0	341.4	3.5
			26.0	87.4	.99S	.13N	116.3	82.4	1.00D	.05N	250.9	7.2	97.0	82.0	341.4	3.5
ROTATION ABOUT A,C,B AXIS																
	-114.2		26.0	87.4	.53D	.85N	291.8	31.9	1.00S	.09N	177.3	39.3	297.6	31.7	52.9	34.6
	5.4		26.0	87.4	1.00S	.04N	116.1	87.8	1.00D	.05N	251.1	3.4	65.6	86.6	161.0	.3
	-1.4		25.8	86.0	.99S	.13N	116.3	82.4	1.00D	.07N	250.9	8.2	88.1	81.4	341.3	2.5
	38.4		211.7	54.6	.99S	.16T	116.3	82.4	.81D	.58T	79.1	18.5	196.0	53.6	337.9	30.2
	-3.2		29.2	87.0	.99S	.13N	119.6	82.6	1.00D	.05N	254.2	7.4	97.0	82.0	344.6	3.1
	25.6		180.6	89.1	.99S	.14T	90.5	82.1	1.00D	.02T	225.3	5.0	97.0	82.0	315.8	6.2
			CONE A	34 EXA	.28		CONE C	59 EXC	.76				CONE B	69 EXB	.67	

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* NOVEMBER 25, 1930 H = 07.04 35.1N 139.0E DEPTH SHALLOW
HONDA, H. 1931 GEOPHYS. MAG., 4, 185.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HONDA			97	90			7	90								
	100.0	14-0	102.0	8.6	.97S	.23T	358.7	88.0	.15D	.99T	350.6	42.4	88.4	8.4	187.3	46.4
			102.5	8.8	.97S	.24T	358.9	87.9	.15D	.99T	350.7	42.3	88.6	8.6	187.7	46.4
ROTATION ABOUT A,C,B AXIS																
	-21.4		102.5	8.8	.82S	.58T	337.6	84.9	.13D	.99T	331.0	39.5	67.0	7.2	165.5	49.6
	15.0		102.5	8.8	1.00S	.02N	193.7	89.8	.15D	.99N	5.1	44.1	103.7	8.8	202.5	44.5
	-0.1		102.3	8.9	.97S	.24T	358.9	87.9	.15D	.99T	350.6	42.3	88.6	8.7	187.9	46.4
	2.8		108.8	6.1	.94S	.34T	358.9	87.9	.10D	.99T	353.3	42.6	88.7	5.8	184.9	46.8
	-1.0		108.7	9.1	.94S	.34T	359.0	86.9	.15D	.99T	351.0	41.3	88.6	8.6	188.1	47.4
	1.0		96.0	8.6	.99S	.13T	358.7	88.9	.15D	.99T	350.4	43.3	88.6	8.6	187.4	45.4
			CONE A	2 EXA	.31		CONE C	9 EXC	.95				CONE B	10 EXB	.92	

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* NOVEMBER 25, 1930 H = 19.03 35.1N 139.0E DEPTH SHALLOW

HONDA, H. 1931 GEOPHYS. MAG., 4, 185.

KUNITOMI, S.I. 1931 GEOPHYS. MAG., 4, 73.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HONDA			277	90			7	90			322					
	94.3	39-2	257.5	88.2	.31S	.95N	353.0	18.2	.99D	.10N	95.3	43.9	346.9	18.1	240.7	40.5
			273.0	85.5	.86S	.51N	5.6	59.8	1.00D	.09N	135.0	24.3	355.3	59.4	233.2	17.5
ROTATION ABOUT A,C,B AXIS																
	-31.0		273.0	85.5	.48S	.88N	11.1	29.0	.99D	.16N	120.3	42.4	.5	28.6	248.7	34.3
	63.0		273.0	85.5	.84S	.54T	180.1	57.5	1.00D	.09T	311.9	18.9	189.9	57.1	51.5	25.8
	-32.0		254.7	58.5	.81S	.59N	5.6	59.8	.80D	.60N	130.7	46.5	309.1	43.5	39.8	.8
	25.6		106.2	72.5	.85S	.53T	5.6	59.8	.94D	.35T	143.5	8.2	42.0	54.1	239.3	34.7
	-6.4		278.5	82.3	.87S	.50N	12.9	60.5	.99D	.15N	141.7	26.2	355.3	59.4	239.1	14.6
	8.0		266.1	89.6	.86S	.51N	356.3	59.4	1.00D	.01N	126.8	21.4	355.3	59.4	225.4	20.8
			CONE A		29 EXA	.75		CONE C		37 EXC .85			CONE B		74 EXB	.39

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
KUNITOMI			90	90			0	90								
	90.2	61-7	101.7	77.9	.75S	.66T	1.3	49.8	.96D	.27T	135.7	17.9	25.2	47.3	239.9	37.2
			104.1	85.7	.99S	.14T	13.5	81.8	1.00D	.08T	148.9	2.7	41.8	80.7	239.3	8.9
ROTATION ABOUT A,C,B AXIS																
	-63.0		104.1	85.7	.32S	.95T	1.6	19.3	.97D	.23T	120.9	37.9	15.6	18.7	265.0	46.1
	7.0		104.1	85.7	1.00S	.02T	14.0	88.8	1.00D	.08T	329.3	2.2	88.6	85.5	239.1	3.9
	-6.4		283.2	88.0	.99S	.14N	13.5	81.8	1.00D	.04N	148.0	7.2	359.5	81.6	238.5	4.3
	16.0		106.5	69.8	.99S	.15T	13.5	81.8	.94D	.35T	331.4	8.2	82.5	68.1	238.4	20.1
	-4.8		108.9	86.4	.99S	.15T	18.3	81.5	1.00D	.06T	153.5	3.5	41.8	80.7	244.0	8.6
	1.0		103.1	85.5	.99S	.14T	12.5	81.9	1.00D	.08T	147.5	2.5	41.8	80.7	237.9	8.9
			CONE A		11 EXA	.74		CONE C		20 EXC .92			CONE B		40 EXB	.68

COMBINATION OF HONDA AND KUNITOMI. IN CASES OF DISAGREEMENT OF DATA STATION IS DISCARDED.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
90.0	66-7	87.2	31.9	.95S	.30N	192.1	80.9	.51D	.86N	341.2	45.4	107.5	30.3	216.6	29.2
		280.6	85.9	1.00S	.03N	10.8	88.4	1.00D	.07N	145.3	4.0	301.6	85.6	55.2	1.8
ROTATION ABOUT A,C,B AXIS															
-27.8		280.6	85.9	.90S	.44T	188.6	63.8	1.00D	.08T	321.6	15.1	198.8	63.5	57.7	21.2
27.8		280.6	85.9	.87S	.49N	12.9	60.7	1.00D	.08N	142.8	23.3	3.4	60.4	240.5	17.2
-44.8		102.1	49.3	1.00S	.04T	10.8	88.4	.76D	.65T	334.1	26.2	98.9	49.3	228.5	28.7
51.2		278.5	34.8	1.00S	.05N	10.8	88.4	.57D	.82N	160.4	36.9	281.8	34.7	39.8	34.1
-8.0		288.7	85.7	1.00S	.02N	18.7	89.0	1.00D	.07N	153.6	3.7	301.6	85.6	63.4	2.3
9.6		271.0	86.2	1.00S	.04N	1.2	87.8	1.00D	.07N	136.6	4.3	301.6	85.6	46.5	1.1
		CONE A		41 EXA	.82		CONE C		31 EXC .68			CONE B		73 EXB	.42

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
89.6	66-8	100.0	84.0	.88S	.47T	6.8	62.2	.99D	.12T	140.2	14.8	21.1	61.4	236.9	23.8
		100.6	88.4	.99S	.10T	10.4	84.1	1.00D	.03T	145.8	3.0	26.1	83.9	236.0	5.3
ROTATION ABOUT A,C,B AXIS															
-63.0		100.6	88.4	.36S	.93T	6.3	21.2	1.00D	.08T	119.9	39.8	11.2	21.1	260.3	42.8
50.2		100.6	88.4	.72S	.70N	192.2	45.7	1.00D	.04N	316.7	30.9	188.9	45.7	65.4	28.3
-64.0		269.3	28.2	.98S	.22N	10.4	84.1	.46D	.89N	163.2	44.1	283.5	27.5	33.6	33.4
25.6		103.4	62.9	.99S	.11T	10.4	84.1	.89D	.46T	329.9	14.4	89.1	62.2	233.6	23.2
-7.2		107.7	89.1	.99S	.11T	17.6	84.0	1.00D	.02T	152.4	3.6	26.1	83.9	242.7	4.9
5.6		95.0	87.8	1.00S	.10T	4.8	84.3	1.00D	.04T	139.8	2.5	26.1	83.9	230.1	5.6
		CONE A		34 EXA	.86	CONE C		38 EXC	.89			CONE B		101 EXB	.21

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* JANUARY 15, 1931 H = 01.50.41 16.4N 96.3W DEPTH NORMAL

MUHLHAUSER, S. 1957 TELLUS, 9, 104.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
MUHLHAUS.			92	74			360	81								
	89.6	22-2	75.2	70.1	.98S	.17T	341.8	80.6	.94D	.35T	299.8	7.2	47.8	67.8	207.0	20.9
			70.6	63.7	.99S	.15T	336.8	82.5	.89D	.45T	296.4	12.8	52.2	62.5	200.6	23.9
ROTATION ABOUT A,C,B AXIS																
-1.8			70.6	63.7	.98S	.18T	336.0	80.9	.89D	.45T	295.8	11.6	48.5	61.9	200.3	25.2
1.0			70.6	63.7	.99S	.13T	337.3	83.4	.90D	.45T	296.7	13.4	54.3	62.8	200.8	23.2
-5.6			69.7	69.2	.99S	.14T	336.8	82.5	.93D	.36T	294.8	9.1	48.0	67.8	201.5	20.1
.3			70.6	63.4	.99S	.15T	336.8	82.5	.89D	.45T	296.5	13.0	52.4	62.2	200.6	24.1
-0.7			71.4	63.8	.99S	.15T	337.5	82.2	.90D	.45T	297.0	12.5	52.2	62.5	201.4	24.1
1.8			68.6	63.5	.99S	.13T	335.2	83.3	.89D	.45T	294.8	13.5	52.2	62.5	198.8	23.5
			CONE A		4 EXA	.58	CONE C		3 EXC	.11			CONE B		4 EXB	.53

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* FEBRUARY 20, 1931 H = 05.33.24 44.3N 135.5E DEPTH 350 KM. M = 7.4

HONDA, H. ET AL. 1957 SCI. REP. TOHOKU UN. SER. 5, 8, 186. SCHEIDEGGER, A.E. 1955 TRANS. ROY. SOC. CAN., SEC 4, 49, 65.

WADATI, K. AND ISIKAWA, T. 1933 GEOPHYS. MAG., 7, 291

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HONDA											311	27				
WADATI			159	90			69	48								
	100.0	62-0	79.7	69.2	.99S	.11N	171.9	84.1	.93D	.36N	307.7	18.9	97.0	68.3	214.1	10.3
			79.7	69.3	.99S	.11N	171.9	84.2	.93D	.35N	307.6	18.7	96.8	68.5	214.1	10.2
ROTATION ABOUT A,C,B AXIS																
-43.8			79.7	69.3	.64S	.77N	192.5	44.2	.86D	.51N	303.7	49.2	153.2	36.9	51.7	14.9
50.2			79.7	69.3	.72S	.69T	330.9	49.5	.89D	.46T	110.9	12.1	9.7	42.3	213.4	45.2
-32.0			74.3	37.6	.99S	.17N	171.9	84.2	.60D	.80N	318.4	39.2	86.3	37.0	201.3	29.3
6.4			80.4	75.7	.99S	.10N	171.9	84.2	.97D	.25N	307.0	14.3	103.5	74.5	215.5	5.9
-0.7			80.4	69.3	.99S	.10N	172.5	84.4	.93D	.36N	308.2	18.6	96.8	68.5	214.6	10.4
1.4			78.2	69.5	.99S	.12N	170.5	83.7	.94D	.35N	306.1	19.0	96.8	68.5	212.7	9.8
			CONE A		9 EXA	.95	CONE C		14 EXC	.98			CONE B		60 EXB	.59

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* MARCH 28, 1931 H = 12.38.37 7S 129.5E DEPTH 100 KM. M = 7.3
RITSEMA, A.R. 1959 PUBL. DOM. OBS., 20, 341. DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		14-2	230	83			324	61					307	60		
	73.4	15-3	318.3	61.6	1.00S	.01N	48.6	89.4	.88D	.48N	187.1	20.1	319.7	61.6	89.8	19.2
			302.0	55.1	1.00S	.05N	33.7	87.6	.82D	.57N	173.6	25.7	307.2	55.0	72.4	22.0
ROTATION ABOUT A,C,B AXIS																
	-2.2		302.0	55.1	1.00S	.09N	35.0	85.8	.82D	.57N	174.3	27.2	311.0	54.8	73.2	20.6
	2.2		302.0	55.1	1.00S	.01N	32.4	89.4	.82D	.57N	172.9	24.3	303.4	55.1	71.6	23.3
	-5.6		301.6	49.6	1.00S	.06N	33.7	87.6	.76D	.65N	175.6	29.3	306.6	49.5	70.2	25.4
	14.4		302.8	69.5	1.00S	.05N	33.7	87.6	.94D	.35N	170.1	16.1	310.2	69.4	76.4	12.5
	-8.0		311.8	55.1	1.00S	.05T	220.3	87.9	.82D	.57T	181.5	22.2	307.2	55.0	80.2	25.5
	2.8		298.6	55.3	1.00S	.09N	31.4	86.0	.82D	.57N	170.8	26.9	307.2	55.0	69.8	20.6
			CONE A	15 EXA	.46		CONE C	7 EXC	.59				CONE B	9 EXB	.78	

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* AUGUST 16, 1931 H = 11.40.21 30.9N 104.2W DEPTH NORMAL M = 6.4
BYERLY, P. 1934 BULL. SEIS. SOC. AM., 24, 81.
SCHEIDEGGER, A.E. 1955 TRANS. ROY. SOC. CAN., SEC 4, 49, 65.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
SCHEIDEG.		44	125	68			28	70					79	60		
	88.8	44-4	128.7	68.5	.93S	.37T	30.5	70.1	.92D	.39T	349.9	1.1	81.7	60.0	259.3	30.0
			129.2	69.2	.93S	.35T	31.6	70.6	.93D	.38T	350.6	.9	82.3	60.9	260.1	29.1
ROTATION ABOUT A,C,B AXIS																
	-1.0		129.2	69.2	.93S	.37T	31.2	69.7	.93D	.38T	350.3	.3	80.9	60.2	260.1	29.8
	1.4		129.2	69.2	.94S	.33T	32.1	71.9	.93D	.37T	351.1	1.8	84.5	61.9	260.2	28.0
	-2.8		128.2	71.8	.94S	.35T	31.6	70.6	.94D	.33T	169.7	.8	78.1	62.9	260.1	27.1
	1.4		129.8	67.9	.93S	.36T	31.6	70.6	.92D	.40T	351.1	1.8	84.2	59.9	260.1	30.0
	-1.6		130.8	69.8	.93S	.36T	33.2	70.0	.93D	.37T	352.1	.1	82.3	60.9	262.0	29.1
	1.4		127.8	68.7	.94S	.35T	30.2	71.2	.92D	.38T	349.3	1.7	82.3	60.9	258.4	29.0
			CONE A	4 EXA	.29		CONE C	3 EXC	.20				CONE B	3 EXB	.43	

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* SEPTEMBER 21, 1931 H = 06.49 36.0N 139.3E DEPTH SHALLOW
HONDA, H. 1932 GEOPHYS. MAG., 5, 69.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HONDA			285	90			15	90								
	100.0	5-0	339.8	6.8	.89S	.45T	223.0	86.9	.11D	.99T	217.3	41.6	312.7	6.1	49.5	47.8
			339.8	6.8	.89S	.45T	223.0	86.9	.11D	.99T	217.3	41.6	312.7	6.1	49.5	47.8
ROTATION ABOUT A,C,B AXIS																
	-37.4		339.8	6.8	.43S	.90T	185.6	83.8	.05D	1.00T	182.9	38.7	275.3	3.0	9.0	51.1
	27.8		339.8	6.8	1.00S	.01N	70.7	89.9	.12D	.99N	244.0	44.5	340.7	6.8	77.5	44.7
	-256.0		130.0	46.0	1.00S	.08N	223.0	86.9	.72D	.70N	6.2	32.0	136.2	45.8	257.7	27.0
	1.4		346.3	5.6	.83S	.55T	223.0	86.9	.08D	1.00T	218.6	41.7	312.8	4.7	48.0	47.9
	-6.4		10.3	11.3	.54S	.84T	223.7	80.5	.11D	.99T	218.4	35.2	312.7	6.1	51.2	54.1
	1.8		324.9	6.2	.98S	.21T	222.8	88.7	.11D	.99T	216.9	43.4	312.7	6.1	49.0	46.0
			CONE A	46 EXA	.97		CONE C	23 EXC	.87				CONE B	130 EXB	.75	

18
* SEPTEMBER 23, 1931 H = 12.46 36.0N 139.3E DEPTH SHALLOW
HONDA, H. 1932 GEOPHYS. MAG., 5, 69.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HONDA			285	90			15	90								
	100.0	7-0	48.1	17.2	.78S	.62T	281.0	79.4	.24D	.97T	269.5	33.1	8.4	13.4	117.3	53.7
			47.8	17.2	.78S	.62T	280.6	79.4	.24D	.97T	269.2	33.1	8.1	13.4	117.0	53.7
ROTATION ABOUT A,C,B AXIS																
	-27.8		47.8	17.2	.40S	.92T	252.6	74.3	.12D	.99T	246.8	29.0	340.6	6.8	82.6	60.1
	63.0		47.8	17.2	.91S	.42N	161.4	82.9	.27D	.96N	324.2	49.7	73.4	15.6	175.1	36.0
	-44.8		17.1	59.0	.98S	.21T	280.6	79.4	.85D	.52T	242.4	13.5	354.0	56.9	144.5	29.6
	.5		48.9	16.8	.77S	.64T	280.6	79.4	.23D	.97T	269.6	33.1	8.2	12.9	116.4	53.8
	-6.4		61.4	21.8	.63S	.78T	282.2	73.2	.24D	.97T	271.2	26.9	8.1	13.4	121.9	59.5
	.1		47.5	17.1	.79S	.62T	280.6	79.5	.24D	.97T	269.1	33.2	8.1	13.4	116.9	53.6

CONE A 17 EXA .86 CONE C 24 EXC .93 CONE B 64 EXB .50

19
* SEPTEMBER 23, 1931 H = 16.22 36.0N 139.3E DEPTH SHALLOW
HONDA, H. 1932 GEOPHYS. MAG., 5, 69.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HONDA			285	90			15	90								
	82.9	7-2	6.9	48.4	.86S	.51T	255.3	67.5	.70D	.72T	225.2	11.5	325.0	40.0	122.3	47.7
			359.8	67.6	.98S	.20T	265.3	79.2	.92D	.39T	224.3	7.9	331.4	64.8	130.8	23.8
ROTATION ABOUT A,C,B AXIS																
	-75.8		359.8	67.6	.04S	1.00T	186.4	22.6	.11D	.99T	1.8	22.6	270.8	2.3	175.3	67.3
	63.0		359.8	67.6	.62S	.78N	115.3	43.8	.83D	.55N	224.8	51.2	72.9	35.3	332.8	13.9
	-76.8		160.9	37.4	.95S	.31N	265.3	79.2	.59D	.81N	50.0	44.0	183.1	35.3	292.8	25.4
	51.2		28.6	19.2	.82S	.57T	265.3	79.2	.27D	.96T	252.1	32.4	352.3	15.6	104.2	53.2
	-28.8		29.0	75.9	.93S	.36T	293.6	69.6	.97D	.26T	70.5	4.3	331.4	64.8	162.5	24.8
	38.4		317.9	65.5	1.00S	.10N	50.3	84.8	.91D	.42N	186.7	21.0	331.4	64.8	91.5	13.3

CONE A 93 EXA .48 CONE C 97 EXC .52 CONE B 133 EXB .08

20
* SEPTEMBER 24, 1931 H = 12.11 36.0N 139.3E DEPTH SHALLOW
HONDA, H. 1932 GEOPHYS. MAG., 5, 69.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HONDA			15	90			285	90								
	84.1	7-1	341.1	55.2	1.00S	.03N	72.2	88.4	.82D	.57N	212.3	25.0	344.5	55.2	111.2	22.5
			337.8	85.4	1.00S	0T	247.8	89.7	1.00D	.08T	203.5	3.0	334.7	85.4	113.3	3.5
ROTATION ABOUT A,C,B AXIS																
	-63.0		337.8	85.4	.46S	.89N	76.7	27.6	.98D	.17N	184.1	43.1	65.4	27.2	314.5	34.7
	88.6		337.8	85.4	.02S	1.00T	171.7	4.8	.24D	.97T	338.8	40.4	247.9	1.1	156.6	49.6
	-76.8		339.4	8.6	1.00S	.03T	247.8	89.7	.15D	.99T	239.3	44.1	337.7	8.6	76.3	44.7
	76.8		157.0	17.8	1.00S	.01N	247.8	89.7	.31D	.95N	51.0	42.0	157.8	17.8	265.0	42.6
	-51.2		29.1	87.3	1.00S	.07T	298.9	86.2	1.00D	.05T	74.3	.8	334.7	85.4	164.3	4.5
	32.0		305.7	85.9	1.00S	.04N	35.8	87.8	1.00D	.07N	171.5	4.4	334.7	85.4	81.4	1.3

CONE A 113 EXA .46 CONE C 112 EXC .45 CONE B 153 EXB .01

21
* SEPTEMBER 28, 1931 H = 04.54 36.0N 139.3E DEPTH SHALLOW
HONDA, H. 1932 GEOPHYS. MAG., 5, 69.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HONDA			285	90			15	90								
	93.9	15-1	19.3	24.2	.98S	.21T	278.2	85.1	.40D	.92T	257.7	35.8	6.1	23.6	121.9	44.9
			11.9	74.0	1.00S	.03T	281.5	88.6	.96D	.28T	237.9	10.3	6.7	73.9	145.6	12.3
ROTATION ABOUT A,C,B AXIS																
	-50.2		11.9	74.0	.62S	.78T	262.7	41.1	.91D	.42T	39.7	19.8	294.2	36.6	152.1	46.7
	43.8		11.9	74.0	.74S	.67N	116.0	49.6	.93D	.36N	235.5	40.8	85.1	45.2	339.1	15.3
	-44.8		190.8	61.2	1.00S	.03N	281.5	88.6	.88D	.48N	59.9	20.9	194.0	61.2	322.4	18.8
	51.2		14.8	22.8	1.00S	.06T	281.5	88.6	.39D	.92T	260.7	39.4	10.9	22.8	123.1	42.0
	-16.0		28.5	75.0	.99S	.10T	296.9	84.3	.97D	.26T	253.5	6.5	6.7	73.9	161.8	14.7
	12.8		358.6	74.1	1.00S	.04N	89.2	87.8	.96D	.27N	224.8	12.8	6.7	73.9	132.6	9.6
			CONE A	53 EXA	.70		CONE C	52 EXC	.69				CONE B	95 EXB	.02	

22
* OCTOBER 2, 1931 H = 17.36 36.0N 139.3E DEPTH SHALLOW
HONDA, H. 1932 GEOPHYS. MAG., 5, 69.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HONDA			285	90			90						69	48		
	94.3	16-1	24.5	27.0	.99S	.16T	286.2	85.8	.45D	.89T	263.3	35.3	14.1	26.6	131.9	43.0
			17.0	75.3	1.00S	.03T	286.6	88.2	.97D	.25T	242.6	9.0	9.6	75.2	150.7	11.6
ROTATION ABOUT A,C,B AXIS																
	-56.6		17.0	75.3	.52S	.85T	264.6	34.4	.89D	.45T	40.9	23.8	295.9	30.4	162.2	49.7
	37.4		17.0	75.3	.81S	.58N	117.3	55.8	.95D	.31N	241.9	35.2	87.5	52.0	340.9	12.6
	-51.2		195.2	53.5	1.00S	.04N	286.6	88.2	.80D	.59N	67.2	26.2	199.0	53.5	324.9	23.4
	57.6		22.3	17.8	.99S	.11T	286.6	88.2	.30D	.95T	270.1	40.6	16.0	17.7	124.0	44.1
	-14.4		31.9	76.3	1.00S	.10T	300.5	84.6	.97D	.24T	257.0	5.8	9.6	75.2	165.6	13.6
	16.0		.5	75.4	1.00S	.04N	91.1	87.8	.97D	.25N	226.9	11.9	9.6	75.2	135.0	8.7
			CONE A	58 EXA	.72		CONE C	53 EXC	.68				CONE B	101 EXB	.14	

23
* APRIL 4, 1932 H = 19.16.41 30.6N 139.5E DEPTH 450KM. M = 6.7
HONDA, H. AND MASATSUKA, A. 1952 SCI. REP. TOHOKU UN. SER. 5, 4, 42.
HONDA, H. 1932 GEOPHYS. MAG., 5, 301.
RITSEMA, A.R. 1964 PURE AND APPLIED GEOPHYS., 59, 58 DATA SUPPLIED BY THE AUTHOR.
BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HONDA			248	90												
	97.4	29-1	245.9	89.1	.03S	1.00T	126.5	1.8	.87D	.49T	247.4	44.1	155.9	1.6	64.2	45.9
			243.7	88.9	.01D	1.00T	35.3	1.2	.48S	.88T	243.1	43.9	333.7	.6	64.3	46.1
ROTATION ABOUT A,C,B AXIS																
	-0.8		243.7	88.9	.02D	1.00T	11.8	1.8	.79S	.62T	242.4	43.9	333.7	1.4	65.2	46.1
	3.0		243.7	88.9	.04S	1.00T	129.5	2.6	.91D	.41T	246.1	43.9	153.8	2.4	61.3	46.0
	-1.2		242.5	88.9	.01D	1.00T	35.3	1.2	.46S	.89T	241.9	43.9	332.5	.6	63.1	46.1
	9.6		253.3	89.0	.01D	1.00T	35.3	1.2	.62S	.79T	252.5	44.0	343.3	.8	74.1	46.0
	-3.2		63.7	87.9	.01D	1.00N	259.2	2.2	.27S	.96N	243.1	47.1	333.7	.6	64.3	42.9
	2.8		243.8	86.1	.01D	1.00T	55.1	3.9	.15S	.99T	243.2	41.1	333.7	.6	64.4	48.9
			CONE A	8 EXA	.44		CONE C	5 EXC	.37				CONE B	6 EXB	.65	

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA			65	88			160	22					154	22		
	97.2	26-1	61.3	86.4	.38S	.92N	160.0	22.6	.99D	.16N	263.3	44.2	149.8	22.3	41.5	37.5
			61.6	85.9	.37S	.93N	161.7	21.9	.98D	.19N	263.2	45.0	150.0	21.5	42.6	37.3
ROTATION ABOUT A,C,B AXIS																
	-1.8		61.6	85.9	.34S	.94N	162.7	20.2	.98D	.21N	261.5	45.6	150.1	19.7	44.0	37.8
	4.6		61.6	85.9	.44S	.90N	159.8	26.5	.99D	.16N	266.9	43.1	149.6	26.1	39.1	35.6
	-4.8		57.1	84.2	.36S	.93N	161.7	21.9	.96D	.27N	258.9	46.7	144.8	21.1	38.7	35.8
	11.2		252.0	89.9	.37S	.93T	161.7	21.9	1.00D	0T	272.4	40.9	162.0	21.9	51.5	41.1
	-3.2		62.7	83.0	.37S	.93N	169.9	22.7	.95D	.32N	265.6	47.6	150.0	21.5	44.3	34.5
	5.6		239.5	88.8	.37S	.93T	146.6	21.6	1.00D	.05T	259.3	40.0	150.0	21.5	39.0	42.3
			CONE A		12 EXA	.45	CONE C		8 EXC	.27			CONE B		10 EXB	.60

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	96.8	26-1	23.5	82.3	.52S	.85N	125.8	32.4	.97D	.25N	234.3	43.8	108.8	31.2	358.2	30.2
			24.0	82.7	.53S	.85N	125.5	32.9	.97D	.24N	235.0	43.2	109.4	31.8	358.2	30.3
ROTATION ABOUT A,C,B AXIS																
	-4.6		24.0	82.7	.46S	.89N	127.8	28.4	.96D	.27N	231.7	45.4	110.2	27.3	1.3	32.1
	7.0		24.0	82.7	.63S	.78N	122.9	39.7	.98D	.20N	239.2	39.4	108.1	38.7	354.0	27.0
	-4.8		19.9	80.1	.52S	.85N	125.5	32.9	.95D	.32N	231.9	45.7	103.9	31.0	355.1	28.2
	8.0		30.8	87.0	.54S	.84N	125.5	32.9	1.00D	.10N	240.3	39.1	118.8	32.7	3.3	33.8
	-4.0		26.2	79.3	.54S	.84N	132.5	34.0	.94D	.33N	239.1	45.9	109.4	31.8	.9	27.1
	1.4		23.3	83.9	.53S	.85N	123.0	32.6	.98D	.20N	233.6	42.2	109.4	31.8	357.2	31.4
			CONE A		8 EXA	.58	CONE C		8 EXC	.53			CONE B		12 EXB	.09

COMBINATION OF HONDA AND RITSEMA. IN CASES OF DISAGREEMENT OF DATA STATION IS DISCARDED.

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	94.3	30-2	252.2	85.4	.14S	.99T	131.9	9.1	.86D	.51T	259.4	39.9	162.8	7.8	63.7	49.0
			251.1	84.7	.12S	.99T	123.2	8.5	.79D	.62T	257.2	39.3	161.7	6.7	63.7	49.9
ROTATION ABOUT A,C,B AXIS																
	-1.4		251.1	84.7	.09S	1.00T	116.6	7.5	.71D	.70T	256.0	39.5	161.6	5.3	65.2	50.0
	1.0		251.1	84.7	.13S	.99T	127.1	9.3	.83D	.56T	258.1	39.2	161.8	7.7	62.6	49.7
	-8.0		243.1	85.7	.13S	.99T	123.2	8.5	.86D	.50T	250.0	40.3	153.7	7.4	55.2	48.8
	8.0		259.1	83.9	.10S	.99T	123.2	8.5	.69D	.72T	264.4	38.6	169.7	5.9	72.4	50.8
	-0.3		251.1	85.0	.12S	.99T	124.9	8.4	.80D	.60T	257.3	39.6	161.7	6.7	63.8	49.6
	2.4		250.8	82.4	.12S	.99T	112.5	10.2	.66D	.75T	256.8	37.0	161.7	6.7	63.0	52.1
			CONE A		7 EXA	.83	CONE C		3 EXC	.11			CONE B		6 EXB	.85

24
* APRIL 28, 1932 H = 03.43 34.0N 136.8E DEPTH 320 KM.
HONDA, H. 1932 GEOPHYS. MAG., 5, 301.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HONDA			225	90												
	100.0	26-0	210.5	82.7	.30S	.95T	98.4	18.8	.92D	.39T	225.5	35.4	122.8	17.2	11.6	49.4
			210.5	82.7	.30S	.95T	98.4	18.8	.92D	.39T	225.5	35.4	122.8	17.2	11.6	49.4
ROTATION ABOUT A,C,B AXIS																
	-56.6		210.5	82.7	.63D	.77T	309.4	39.8	.98S	.20T	180.4	26.9	294.6	38.9	65.8	39.3
	15.0		210.5	82.7	.54S	.84T	109.2	33.1	.97D	.23T	236.5	30.2	125.1	32.1	359.3	43.0
	-12.8		198.3	86.7	.32S	.95T	98.4	18.8	.98D	.18T	215.1	38.9	109.4	18.5	359.7	45.2
	19.2		229.3	77.5	.24S	.97T	98.4	18.8	.74D	.68T	240.9	31.1	142.4	13.7	31.7	55.4
	-16.0		35.3	82.0	.30S	.95N	149.2	19.1	.91D	.42N	234.5	50.1	122.8	17.2	20.4	34.7
	1.0		210.2	81.7	.30S	.95T	95.6	19.2	.90D	.44T	225.1	34.4	122.8	17.2	10.9	50.3
			CONE A	23	EXA	.47	CONE C	35	EXC	.76			CONE B	48	EXB	.55

25
* JULY 25, 1932 H = 08.24.02 35.2N 135.9E DEPTH 400 KM. M = 6.7
HONDA, H. AND MASATSUKA, A. 1952 SCI. REP. TOHOKU UN. SER. 5, 4, 42.
RITSEMA, A.R. 1964 PURE AND APPLIED GEOPHYS., 59, 58 DATA SUPPLIED BY THE AUTHOR.
BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HONDA			-	-			-	-			45	52				
RITSEMA			285	46			170	66					240	37		
	85.9	32-4	180.2	67.5	.72S	.69N	290.5	50.1	.87D	.50N	47.8	46.4	248.6	41.7	149.1	10.5
			178.5	66.7	.74S	.67N	288.3	51.8	.86D	.50N	47.1	45.8	245.0	42.8	146.5	9.1
ROTATION ABOUT A,C,B AXIS																
	-5.4		178.5	66.7	.67S	.74N	292.0	47.2	.84D	.54N	45.6	49.4	248.7	38.2	149.4	11.6
	.2		178.5	66.7	.74S	.67N	288.1	52.0	.86D	.50N	47.2	45.6	244.9	43.0	146.5	8.9
	-4.0		175.5	63.8	.72S	.69N	288.3	51.8	.83D	.56N	46.2	48.5	240.6	40.6	144.4	7.2
	2.4		180.2	68.5	.75S	.66N	288.3	51.8	.88D	.47N	47.6	44.1	247.8	44.1	147.7	10.3
	-0.6		179.0	66.3	.74S	.67N	288.9	52.1	.86D	.51N	47.9	45.9	245.0	42.8	146.9	8.6
	2.8		176.3	68.6	.73S	.68N	285.1	50.4	.88D	.47N	43.2	45.1	245.0	42.8	144.5	11.1
			CONE A	5	EXA	.47	CONE C	4	EXC	.39			CONE B	6	EXB	.13

* NOVEMBER 13, 1932 H = 04.47.01 44.0N 136.8E DEPTH 300 KM. M = 7
HONDA, H. ET AL. 1957 SCI. REP. TOHOKU UN. SER. 5, 8, 186.
RITSEMA, A.R. 1964 PURE AND APPLIED GEOPHYS., 59, 58.DATA SUPPLIED BY THE AUTHOR.

MUHLHAUSER, S. 1957 TELLUS, 9, 104.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HONDA			-	-			-	-			305	45				
RITSEMA			298	70			174	33					218	25		
	97.2	42-1	298.2	75.6	.17S	.99T	152.7	17.3	.55D	.84T	306.1	30.0	210.6	9.4	105.0	58.3
			320.9	65.5	.56S	.83T	199.3	41.1	.78D	.63T	344.9	13.9	246.5	30.7	96.1	55.7
ROTATION ABOUT A,C,B AXIS																
	-31.0		320.9	65.5	.05S	1.00T	148.2	24.7	.12D	.99T	323.1	20.4	232.1	2.8	134.6	69.4
	.4		320.9	65.5	.57S	.82T	199.7	41.4	.78D	.63T	345.2	13.7	246.8	31.0	96.0	55.5
	-28.8		297.2	83.2	.65S	.76T	199.3	41.1	.98D	.18T	328.1	26.7	212.9	40.3	81.3	38.1
	4.0		324.6	63.3	.54S	.84T	199.3	41.1	.73D	.68T	347.4	12.4	250.5	28.7	98.3	58.3
	-0.7		321.3	66.1	.56S	.83T	200.2	40.7	.78D	.62T	345.3	14.5	246.5	30.7	97.2	55.4
	2.4		319.3	63.5	.57S	.82T	196.6	42.7	.75D	.66T	343.6	11.8	246.5	30.7	92.1	56.6
			CONE A		10 EXA	.91	CONE C		10 EXC	.90			CONE B		32 EXB	.04

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
MUHLHAUS.		31	302	70			188	43					228	35		
	100.0	31-0	301.5	77.0	.64S	.77T	196.2	41.2	.94D	.34T	330.5	21.9	222.0	38.3	83.0	43.7
			301.5	77.0	.64S	.77T	196.2	41.2	.94D	.34T	330.5	21.9	222.0	38.3	83.0	43.7
ROTATION ABOUT A,C,B AXIS																
	-2.6		301.5	77.0	.60S	.80T	194.8	38.8	.93D	.36T	329.0	23.1	221.1	35.8	84.4	45.2
	10.2		301.5	77.0	.76S	.65T	200.7	50.9	.96D	.29T	335.7	16.7	226.3	48.0	78.8	37.2
	-3.6		298.7	79.3	.64S	.77T	196.2	41.2	.96D	.28T	328.4	23.6	217.5	39.2	81.2	41.6
	12.8		312.0	69.1	.59S	.80T	196.2	41.2	.84D	.54T	338.0	16.2	236.8	33.7	89.5	51.6
	-0.8		302.0	77.6	.63S	.77T	197.4	41.0	.95D	.33T	331.0	22.4	222.0	38.3	83.9	43.3
	6.4		297.2	72.1	.65S	.76T	187.5	43.8	.90D	.44T	326.0	17.0	222.0	38.3	75.0	46.7
			CONE A		11 EXA	.56	CONE C		10 EXC	.44			CONE B		14 EXB	.22

DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	100.0	40-0	173.7	57.6	.87S	.49T	67.0	65.7	.81D	.59T	32.0	5.0	127.5	47.5	297.4	42.1
			177.6	69.9	.96S	.29T	81.7	74.3	.93D	.36T	40.5	3.0	136.6	64.1	309.1	25.7
ROTATION ABOUT A,C,B AXIS																
	-43.8		177.6	69.9	.49S	.87T	56.3	35.2	.80D	.60T	199.4	19.6	98.7	27.5	320.2	55.2
	63.0		177.6	69.9	.69S	.72N	287.4	47.3	.88D	.47N	42.6	46.4	249.4	40.4	147.4	13.7
	-19.2		172.2	88.3	.96S	.27T	81.7	74.3	1.00D	.03T	215.9	9.8	88.2	74.3	308.0	12.2
	32.0		191.4	39.8	.91S	.42T	81.7	74.3	.60D	.80T	54.7	20.6	160.2	35.5	300.7	47.2
	-4.8		182.5	71.3	.95S	.31T	86.4	72.7	.94D	.34T	44.7	.9	136.6	64.1	314.2	25.9
	14.4		162.6	66.4	.98S	.19T	68.1	79.9	.91D	.41T	27.2	9.1	136.6	64.1	293.1	24.0
			CONE A		31 EXA	.62	CONE C		45 EXC	.82			CONE B		74 EXB	.52

COMBINATION OF RITSEMA, MUHLHAUSER AND E.S.A. IN CASES OF DISAGREEMENT
OF DATA STATION IS DISCARDED

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	92.7	62-5	1.4	71.8	.45S	.89T	239.5	32.0	.81D	.59T	21.5	22.3	280.3	25.3	147.5	55.2
			350.0	69.5	.79S	.61T	244.9	55.2	.90D	.43T	24.6	9.0	284.5	48.0	122.4	40.6
ROTATION ABOUT A,C,B AXIS																
	-27.8		350.0	69.5	.42S	.91T	222.6	31.7	.74D	.67T	8.4	20.7	269.1	23.0	136.0	58.2
	3.0		350.0	69.5	.82S	.57T	246.4	57.9	.91D	.41T	26.0	7.4	287.0	50.5	121.9	38.5
	-16.0		340.2	82.4	.82S	.58T	244.9	55.2	.99D	.16T	17.7	18.1	260.9	54.1	118.5	29.8
	3.6		352.4	66.6	.78S	.62T	244.9	55.2	.88D	.48T	26.3	7.0	288.9	46.0	122.9	43.1
	-4.0		353.3	71.9	.78S	.62T	249.4	53.6	.92D	.39T	27.6	11.5	284.5	48.0	127.3	39.7
	4.0		346.6	67.1	.81S	.59T	240.6	57.0	.89D	.46T	21.6	6.3	284.5	48.0	117.1	41.3
			CONE A		13 EXA	.59	CONE C		16 EXC	.74			CONE B		25 EXB	.36

27
* DECEMBER 21, 1932 H = 06.10.11 38.8N 118.0W DEPTH NORMAL M= 7.2
BYERLY, P. 1935 BULL. SEIS. SOC. AM., 25, 62.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
BYERLY			-	-			-	-					-	-		
	63.8	45-14	4.6	69.9	.96S	.29N	100.5	74.2	.93D	.36N	233.3	25.8	46.0	64.0	141.9	2.9
			5.0	69.6	.96S	.29N	101.1	74.1	.93D	.36N	233.9	26.1	46.3	63.7	142.4	3.0
ROTATION ABOUT A,C,B AXIS																
	-6.2		5.0	69.6	.92S	.39N	103.5	68.3	.93D	.37N	233.9	30.5	55.9	59.5	324.4	.9
	3.0		5.0	69.6	.97S	.24N	100.0	76.9	.93D	.36N	233.7	24.0	40.6	65.4	141.5	5.0
	-0.1		5.0	69.5	.96S	.29N	101.1	74.1	.93D	.36N	234.0	26.2	46.2	63.6	142.4	3.1
	.2		5.1	69.8	.96S	.29N	101.1	74.1	.93D	.36N	233.9	26.0	46.6	63.8	142.5	2.9
	-0.3		5.3	69.5	.96S	.29N	101.4	74.2	.93D	.36N	234.2	26.1	46.3	63.7	142.7	3.2
	4.0		1.0	70.8	.95S	.32N	97.2	72.7	.94D	.34N	229.5	26.3	46.3	63.7	138.9	1.3
			CONE A		1 EXA	.93	CONE C		6 EXC	.53			CONE B		2 EXB	.97

28
* APRIL 10, 1934 H = 10.23.02 7S 116E DEPTH NORMAL
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		11-1	100	84			190	87					125	83		
	91.3	11-1	13.9	89.2	1.00S	.01N	103.9	89.2	1.00D	.01N	238.9	1.1	58.9	88.9	148.9	-0.0
			199.4	89.9	1.00S	.00N	289.4	89.9	1.00D	.00N	64.4	.1	245.2	89.8	154.4	.0
ROTATION ABOUT A,C,B AXIS																
	-27.8		199.4	89.9	.89S	.46T	109.3	62.3	1.00D	.00T	240.9	19.1	109.6	62.3	337.9	19.3
	5.4		199.4	89.9	1.00S	.10N	289.4	84.5	1.00D	.00N	64.3	4.0	288.3	84.5	154.5	3.8
	-6.4		19.4	83.7	1.00S	.00T	289.4	89.9	.99D	.11T	244.6	4.4	18.4	83.7	154.2	4.5
	19.2		199.4	70.7	1.00S	.00N	289.4	89.9	.94D	.33N	66.0	13.6	199.7	70.7	332.7	13.4
	-11.2		210.6	89.9	1.00S	.00N	300.6	89.9	1.00D	.00N	75.6	.1	245.2	89.8	345.6	.0
	5.6		193.8	89.9	1.00S	.00N	283.8	89.9	1.00D	.00N	58.8	.1	245.2	89.8	148.8	.0
			CONE A		21 EXA	.34	CONE C		24 EXC	.49			CONE B		29 EXB	.23

29
* JUNE 13, 1934 H = 01.51.01 44.2N 147.4 E DEPTH 350 KM. M = 6.9
RITSEMA, A.R. 1965 BULL. EQ. RES. INST., 43, 39, DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA			-	-			-	-					-	-		
	88.2	37-4	149.7	76.9	.98S	.20T	57.1	78.9	.97D	.23T	13.9	1.4	108.3	72.7	283.4	17.2
			149.7	76.8	.98S	.20T	57.0	78.8	.97D	.23T	13.7	1.4	108.1	72.5	283.3	17.4
ROTATION ABOUT A,C,B AXIS																
	-10.2		149.7	76.8	.93S	.37T	54.5	68.9	.97D	.25T	191.1	5.3	89.7	64.8	283.6	24.6
	5.4		149.7	76.8	.99S	.11T	58.3	84.1	.97D	.23T	14.6	5.1	124.8	75.5	283.4	13.5
	-11.2		147.5	87.7	.98S	.19T	57.0	78.8	1.00D	.04T	191.6	6.2	68.8	78.6	282.7	9.5
	0		149.7	76.8	.98S	.20T	57.0	78.8	.97D	.23T	13.7	1.4	108.1	72.5	283.3	17.4
	-3.6		153.3	77.5	.98S	.21T	60.6	78.0	.98D	.22T	17.0	.3	108.1	72.5	286.9	17.5
	.3		149.4	76.7	.98S	.20T	56.7	78.9	.97D	.23T	13.3	1.5	108.1	72.5	282.8	17.4
			CONE A	7 EXA	.65		CONE C	8 EXC	.75				CONE B	13 EXB	.28	

30
* JUNE 29, 1934 H = 08.25.17 6.8S 123.8E DEPTH 730 KM. M = 6.9
RITSEMA, A.R. 1956 LEM. MET. GEOFIS. VER. NO. 50.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA			278	45			182	84					266	44		
	91.4	31-2	299.6	43.7	.62S	.79N	72.2	57.1	.51D	.86N	198.4	63.5	0	25.3	93.5	7.3
			294.7	42.5	.15D	.99N	126.6	48.1	.14S	.99N	5.6	83.5	211.3	5.9	121.0	2.8
ROTATION ABOUT A,C,B AXIS																
	-63.0		294.7	42.5	.95D	.31N	191.1	77.8	.66S	.75N	49.9	42.1	270.7	39.9	161.1	21.8
	50.2		294.7	42.5	.66S	.75N	64.6	59.5	.52D	.86N	194.2	61.7	351.7	26.5	86.4	9.3
	-64.0		228.9	76.7	.73D	.69N	126.6	48.1	.95S	.31N	7.1	39.4	152.6	45.1	261.7	18.0
	12.8		313.8	42.1	.09S	1.00N	126.6	48.1	.08D	1.00N	259.7	85.3	39.8	3.6	130.0	3.0
	-4.8		293.5	37.8	.17D	.99N	125.8	52.9	.13S	.99N	338.8	80.4	211.3	5.9	120.5	7.6
	16.0		297.6	58.4	.12D	.99N	130.7	32.3	.19S	.98N	97.6	75.6	211.3	5.9	302.7	13.1
			CONE A	40 EXA	.73		CONE C	49 EXC	.82				CONE B	93 EXB	.32	

31
* JULY 18, 1934 H = 01.36.29 8.2N 82.6W DEPTH NORMAL
MUHLHAUSER, S. 1957 TELLUS, 9, 104.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
MUHLHAUS.			90	63			349	84					69	61		
	88.2	22-1	20.8	89.1	.97S	.23N	111.0	76.9	1.00D	.02N	245.1	9.8	106.9	76.9	336.6	8.6
			224.2	72.1	.35S	.94T	95.0	27.0	.74D	.68T	240.1	24.4	140.8	19.6	16.2	57.9
ROTATION ABOUT A,C,B AXIS																
	-75.8		224.2	72.1	.82D	.57T	326.3	57.1	.93S	.37T	188.2	9.6	290.4	51.4	90.9	37.0
	63.0		224.2	72.1	.99S	.11T	132.3	83.9	.95D	.31T	89.4	8.1	204.1	71.1	356.9	16.9
	-51.2		357.2	86.1	.45S	.89N	95.0	27.0	.99D	.15N	202.9	42.7	85.3	26.7	334.2	35.6
	38.4		264.8	63.4	.08S	1.00T	95.0	27.0	.16D	.99T	268.3	18.3	176.9	4.1	74.7	71.2
	-14.4		229.3	85.7	.34S	.94T	127.3	20.1	.98D	.22T	246.8	37.7	140.8	19.6	29.3	45.8
	38.4		203.2	37.4	.55S	.83T	62.9	59.5	.39D	.92T	46.6	11.7	140.8	19.6	287.5	66.9
			CONE A	69 EXA	.41		CONE C	86 EXC	.62				CONE B	112 EXB	.35	

32
* MAY 31, 1935 H = 08.18.41 38.6N 134.2E DEPTH 475 KM. M = 6.5
HONDA, H. AND MASATSUKA. A. 1952 SCI. REP. TOHOKU UN. SER. 5. 4, 42.
RITSEMA, A.R. 1964 PURE AND APPLIED GEOPHYS., 59, 58 DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HONDA			-	-			-	-			286	33				
RITSEMA			68	76			170	52					142	48		
	97.2	49-2	63.7	66.4	.02S	1.00N	240.1	23.6	.06D	1.00N	246.4	68.6	153.1	1.3	62.6	21.4
			71.4	76.2	.73S	.68N	174.0	48.3	.95D	.32N	293.5	39.7	147.2	45.1	38.7	17.5
ROTATION ABOUT A,C,B AXIS																
	-63.0		71.4	76.2	.28D	.96N	302.1	21.2	.75S	.66N	230.8	55.9	345.3	15.7	84.4	29.4
	50.2		71.4	76.2	.99S	.12T	339.7	83.2	.97D	.24T	296.2	4.9	44.2	74.6	205.0	14.6
	-51.2		22.9	45.5	.36S	.93N	174.0	48.3	.35D	.94N	283.5	74.9	97.7	15.0	188.1	1.4
	32.0		273.0	80.0	.74S	.68T	174.0	48.3	.97D	.23T	306.8	20.3	193.7	46.6	52.6	36.4
	-12.8		81.4	67.7	.76S	.64N	189.1	53.4	.88D	.47N	309.8	43.6	147.2	45.1	48.3	8.8
	12.8		62.0	85.1	.71S	.70N	156.8	45.5	.99D	.12N	279.3	33.8	147.2	45.1	28.2	25.8
			CONE A		46 EXA	.69	CONE C		54 EXC	.77			CONE B		97 EXB	.27

33
* SEPTEMBER 11, 1935 H = 14.04.06 43.6N 146E DEPTH NORMAL
MUHLHAUSER, S. 1957 TELLUS, 9, 104.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
MUHLHAUS.			-	-			-	-					-	-		
	80.5	34-6	4.3	68.6	.68S	.73T	253.0	47.1	.87D	.50T	34.0	12.9	293.1	39.4	138.5	47.7
			65.6	41.7	.14D	.99T	235.0	48.8	.12S	.99T	240.0	3.6	149.7	5.3	3.8	83.6
ROTATION ABOUT A,C,B AXIS																
	-37.4		65.6	41.7	.71D	.70T	192.0	62.1	.54S	.84T	214.7	11.4	118.5	28.2	324.4	59.2
	43.8		65.6	41.7	.59S	.81T	289.7	57.4	.46D	.89T	270.4	8.5	4.0	22.9	161.4	65.4
	-64.0		348.2	65.8	.69S	.72T	235.0	48.8	.84D	.55T	18.0	10.1	279.6	39.1	119.9	49.1
	57.6		127.7	71.2	.72D	.70T	235.0	48.8	.90S	.43T	96.2	13.8	199.3	42.8	352.5	44.0
	-19.2		62.6	60.8	.11D	.99T	230.4	29.8	.19S	.98T	58.2	15.6	149.7	5.3	257.9	73.5
	4.8		66.7	36.9	.15D	.99T	235.7	53.6	.11S	.99T	240.5	8.4	149.7	5.3	27.7	80.1
			CONE A		54 EXA	.80	CONE C		44 EXC	.70			CONE B		99 EXB	.33

THE ABOVE SOLN. REPRESENTS UNDEFINED CENTRAL DILATATIONAL CIRCLES.

34
* OCTOBER 4, 1935 H = 05.15.36 6N 126E DEPTH 475 KM. M = 6.5
RITSEMA, A.R. 1959 PUBL. DOM. OBS., 20, 341. DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		8-1	110	80			230	20					197	16		
	100.0	8-0	330.6	66.1	.66S	.75T	216.0	46.7	.83D	.56T	359.1	11.4	260.3	37.2	103.4	50.5
			330.6	66.1	.66S	.75T	216.0	46.7	.83D	.56T	359.1	11.4	260.3	37.2	103.4	50.5
ROTATION ABOUT A,C,B AXIS																
	-88.6		330.6	66.1	.73D	.68T	81.2	51.6	.86S	.52T	299.0	8.8	37.0	42.1	199.6	46.6
	31.0		330.6	66.1	.95S	.30T	233.3	74.0	.91D	.42T	193.2	5.3	292.6	60.6	100.3	28.8
	-14.4		319.6	76.0	.71S	.71T	216.0	46.7	.94D	.33T	351.4	18.3	243.2	43.3	98.1	41.0
	4.8		334.7	63.0	.64S	.77T	216.0	46.7	.78D	.62T	1.9	9.4	265.3	34.7	105.0	53.7
	-8.0		336.2	72.2	.64S	.77T	225.8	42.6	.89D	.45T	4.3	17.7	260.3	37.2	114.6	47.4
	9.6		323.3	59.1	.70S	.71T	205.9	52.5	.76D	.65T	353.2	3.9	260.3	37.2	88.3	52.5
			CONE A	18 EXA	.08		CONE C	46 EXC	.85				CONE B	48 EXB	.84	

35
* JANUARY 20, 1936 H = 16.56.19 6N 127E DEPTH 100 KM. M = 7.1
RITSEMA, A.R. 1959 PUBL. DOM. OBS., 20, 341. DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		18-3	355	86			265	84					300	83		
	83.6	18-3	6.1	84.5	.97S	.25T	274.7	75.8	1.00D	.10T	49.5	6.1	296.6	74.7	141.0	14.0
			6.1	84.5	.97S	.25T	274.7	75.8	1.00D	.10T	49.5	6.1	296.6	74.7	141.0	14.0
ROTATION ABOUT A,C,B AXIS																
	0		6.1	84.5	.97S	.25T	274.7	75.8	1.00D	.10T	49.5	6.1	296.6	74.7	141.0	14.0
	.4		6.1	84.5	.97S	.24T	274.7	76.2	1.00D	.10T	49.6	5.8	297.2	75.1	141.0	13.7
	-11.2		183.3	84.6	.97S	.25N	274.7	75.8	1.00D	.10N	48.3	13.9	253.1	74.7	139.8	6.2
	4.0		7.1	80.6	.97S	.25T	274.7	75.8	.99D	.17T	50.2	3.3	309.3	72.9	141.2	16.8
	-2.0		8.0	85.0	.97S	.25T	276.7	75.6	1.00D	.09T	51.5	6.6	296.6	74.7	143.1	13.8
	.5		5.6	84.4	.97S	.25T	274.2	75.8	.99D	.10T	49.2	6.0	296.6	74.7	140.7	14.0
			CONE A	6 EXA	.84		CONE C	1 EXC	.84				CONE B	2 EXB	.97	

36
* APRIL 28, 1936 H = 13.35.45 6.5S 129E DEPTH 225 KM. M = 6.5
RITSEMA, A.R. 1959 PUBL. DOM. OBS., 20, 341. DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		8-0	227	67			120	55					163	46		
	100.0	8-0	113.7	59.9	.97S	.22N	210.3	78.8	.86D	.51N	346.0	29.4	138.4	57.5	248.8	12.5
			113.1	59.8	.98S	.21N	209.3	79.5	.86D	.51N	345.4	28.9	136.4	57.7	248.0	13.1
ROTATION ABOUT A,C,B AXIS																
	-31.0		113.1	59.8	.73S	.68N	228.4	53.7	.78D	.62N	347.6	50.7	174.9	39.1	82.0	3.6
	50.2		113.1	59.8	.79S	.62T	1.7	57.8	.80D	.59T	147.0	1.2	55.9	42.9	238.3	47.1
	-102.4		310.3	44.2	.97D	.26N	209.3	79.5	.68S	.73N	68.1	39.5	289.6	42.3	177.8	22.2
	44.8		301.9	76.2	.98S	.19T	209.3	79.5	.97D	.24T	165.9	2.3	263.2	72.5	75.2	17.3
	-32.0		150.5	58.5	.99S	.13T	56.6	83.6	.85D	.53T	17.7	16.9	136.4	57.7	278.9	26.6
	14.4		97.4	63.8	.94S	.34N	196.4	72.4	.89D	.46N	328.9	31.7	136.4	57.7	235.4	5.6
			CONE A	83 EXA	.68		CONE C	61 EXC	.43				CONE B	109 EXB	.45	

37
* MAY 8, 1936 H = 09.11.34 5.8S 123.8E DEPTH 600 KM. M = 6.5
RITSEMA, A.R. 1956 LEM. MET. GEOFIS. VER. NO. 50.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		10	342	45			182	47					264	20		
ALTER.			18	33			198	57					108	0		
	93.5	10.1	55.0	78.8	.99S	.16N	146.8	81.1	.98D	.20N	281.1	14.3	94.4	75.6	190.7	1.6
			66.3	64.0	.87S	.49N	170.2	63.6	.87D	.49N	298.1	38.6	118.6	51.4	28.3	.3
ROTATION ABOUT A,C,B AXIS																
	-15.0		66.3	64.0	.71S	.70N	179.6	50.9	.82D	.57N	296.6	49.1	132.3	39.8	35.7	7.8
	31.0		66.3	64.0	1.00S	.02T	335.6	88.8	.90D	.44T	293.9	17.1	63.1	64.0	197.8	18.9
	-44.8		22.9	30.5	.48S	.88N	170.2	63.6	.27D	.96N	320.0	67.4	87.5	14.2	182.0	17.1
	16.0		74.3	78.1	.89S	.45N	170.2	63.6	.97D	.23N	299.4	27.4	142.2	60.7	34.5	9.7
	-22.4		90.1	54.9	.95S	.30N	190.3	75.9	.81D	.59N	326.0	35.3	118.6	51.4	226.2	13.5
	25.6		43.7	78.3	.80S	.60N	142.4	53.8	.97D	.25N	266.6	34.1	118.6	51.4	7.7	15.9
			CONE A	54 EXA	.21		CONE C	47 EXC	.04				CONE B	53 EXB	.24	

38
* JUNE 10, 1936 H = 08.23.21 5.5S 147E DEPTH 160 KM. M = 6.9
RITSEMA, A.R. 1959 PUBL. DOM. OBS., 20, 341. DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		22-1	16	70			277	67					323	58		
	96.8	22-1	23.3	65.2	.91S	.42T	282.3	67.6	.89D	.45T	243.2	1.6	335.5	55.5	152.2	34.5
			23.3	65.2	.91S	.42T	282.3	67.6	.89D	.45T	243.2	1.6	335.5	55.5	152.2	34.5
ROTATION ABOUT A,C,B AXIS																
	-1.0		23.3	65.2	.90S	.44T	281.8	66.7	.89D	.46T	242.8	1.0	334.2	54.8	152.1	35.2
	2.2		23.3	65.2	.92S	.38T	283.4	69.6	.89D	.45T	244.1	2.9	338.5	56.9	152.2	32.9
	-8.0		19.8	72.5	.92S	.40T	282.3	67.6	.95D	.32T	60.3	3.3	324.4	61.0	152.1	28.8
	1.6		24.0	63.8	.91S	.42T	282.3	67.6	.88D	.48T	243.9	2.5	337.3	54.3	152.1	35.6
	-3.2		26.5	66.6	.90S	.44T	285.4	66.2	.90D	.43T	65.9	.3	335.5	55.5	156.1	34.5
	28.8		351.7	56.6	.99S	.16T	256.7	82.4	.83D	.56T	218.7	17.2	335.5	55.5	118.9	28.9
			CONE A	18 EXA	.70		CONE C	10 EXC	.90				CONE B	6 EXB	.67	

39
* JUNE 25, 1936 H = 16.51.54 32.4N 138.0E DEPTH 400 KM. M = 6.2
RITSEMA, A.R. 1964 PURE AND APPLIED GEOPHYS., 59, 58 DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA			264	87			166	20					176	20		
	95.7	36-1	260.5	82.3	.44S	.90T	155.1	27.1	.96D	.29T	282.0	32.3	174.2	25.8	53.7	46.4
			259.6	81.0	.29D	.96T	16.6	19.2	.88S	.47T	245.1	33.8	346.9	16.9	99.0	51.1
ROTATION ABOUT A,C,B AXIS																
	-31.0		259.6	81.0	.74D	.67T	357.6	48.7	.98S	.21T	225.3	20.9	339.7	47.3	119.7	35.3
	50.2		259.6	81.0	.55S	.84T	156.1	34.2	.96D	.28T	285.6	28.3	175.4	32.7	47.0	44.0
	-19.2		240.7	75.9	.23D	.97T	16.6	19.2	.68S	.74T	229.9	29.7	327.4	12.9	78.1	57.1
	25.6		284.0	89.1	.33D	.94T	16.6	19.2	1.00S	.05T	266.1	41.0	13.7	19.2	122.5	42.7
	-4.0		258.4	84.8	.29D	.96T	4.9	17.7	.95S	.30T	243.4	37.5	346.9	16.9	96.3	47.5
	16.0		264.7	65.8	.32D	.95T	45.4	30.2	.58S	.82T	251.0	18.7	346.9	16.9	116.1	64.3
			CONE A	30 EXA	.55		CONE C	40 EXC	.75				CONE B	60 EXB	.45	

40
* JUNE 30, 1936 H = 15.06.44 51N 161.1E DEPTH NORMAL
MUHLHAUSER, S. 1957 TELLUS, 9, 104.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
MUHLHAUS.			325	66			-	-					-	-		
	97.6	41-1	321.6	66.1	.36S	.93T	185.5	31.6	.63D	.77T	337.3	18.4	240.6	19.4	107.5	62.7
			331.3	39.7	.09D	1.00T	144.3	50.5	.08S	1.00T	147.5	5.4	57.2	3.4	295.2	83.6
ROTATION ABOUT A,C,B AXIS																
	-37.4		331.3	39.7	.68D	.73T	101.0	62.0	.49S	.87T	121.9	12.2	25.9	25.7	235.1	61.1
	37.4		331.3	39.7	.53S	.85T	190.4	57.2	.40D	.91T	173.6	9.3	267.0	19.8	59.9	68.0
	-38.4		277.7	50.2	.56S	.83T	144.3	50.5	.56D	.83T	121.0	.2	211.1	25.5	30.7	64.5
	44.8		25.6	59.8	.68D	.74T	144.3	50.5	.76S	.65T	356.9	5.4	90.8	35.7	259.5	53.8
	-25.6		328.7	65.3	.07D	1.00T	139.8	25.0	.14S	.99T	325.9	20.2	57.2	3.4	156.3	69.5
	22.4		338.0	17.5	.20D	.98T	146.1	72.8	.06S	1.00T	149.0	27.7	57.2	3.4	320.8	62.0
			CONE A		63 EXA	.42	CONE C		60 EXC	.36			CONE B		79 EXB	.10

THE ABOVE SOLN. REPRESENTS UNDEFINED CENTRAL DILATATIONAL CIRCLES.

41
* NOVEMBER 2, 1936 H = 20.45.56 38.3N 141.9E DEPTH NORMAL
MUHLHAUSER, S. 1957 TELLUS, 9, 104.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
MUHLHAUS.			127	75			307	15					37	0		
	84.7	41-7	278.7	8.2	.67S	.74T	141.1	83.9	.10D	1.00T	136.1	38.7	230.5	5.5	327.3	50.8
			21.6	33.8	.88D	.48T	136.2	74.4	.51S	.86T	159.2	23.4	55.2	29.2	281.5	51.0
ROTATION ABOUT A,C,B AXIS																
	-15.0		21.6	33.8	.97D	.24T	123.2	82.3	.55S	.84T	149.5	29.5	38.2	32.7	271.4	43.0
	13.4		21.6	33.8	.74D	.67T	148.7	68.0	.44S	.90T	168.1	18.8	69.2	24.3	291.8	58.5
	-32.0		310.4	15.7	.10S	1.00T	136.2	74.4	.03D	1.00T	135.0	29.4	225.8	1.5	318.5	60.6
	38.4		40.3	69.6	.96D	.29T	136.2	74.4	.93S	.36T	177.6	3.2	81.0	63.9	269.2	25.9
	-3.2		16.8	35.5	.84D	.54T	134.5	71.6	.51S	.86T	157.3	20.6	55.2	29.2	277.3	53.0
	9.6		38.5	30.3	.97D	.25T	141.1	82.7	.49S	.87T	165.1	31.4	55.2	29.2	291.9	44.5
			CONE A		30 EXA	.82	CONE C		19 EXC	.55			CONE B		45 EXB	.60

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	84.6	41-6	127.5	79.1	.06S	1.00T	323.8	11.3	.28D	.96T	130.2	34.0	38.1	3.1	303.5	55.8
			126.3	76.7	.48S	.88T	13.5	31.3	.90D	.44T	148.4	26.2	43.4	27.8	274.4	50.0
ROTATION ABOUT A,C,B AXIS																
	-31.0		126.3	76.7	.04D	1.00T	296.0	13.5	.17S	.98T	124.3	31.7	215.7	2.3	309.4	58.2
	37.4		126.3	76.7	.91S	.41T	30.4	66.7	.97D	.25T	166.8	6.7	63.6	62.8	260.2	26.2
	-4.0		122.7	78.7	.49S	.87T	13.5	31.3	.93D	.38T	145.8	27.7	39.0	28.8	271.5	47.9
	6.4		132.1	73.7	.46S	.89T	13.5	31.3	.84D	.54T	152.8	23.9	50.3	26.0	279.4	53.3
	-9.6		130.9	85.2	.47S	.88T	31.9	28.3	.98D	.18T	154.5	34.3	43.4	27.8	284.0	43.0
	4.0		124.3	73.2	.49S	.87T	6.9	33.3	.85D	.53T	146.2	22.8	43.4	27.8	269.6	52.7
			CONE A		12 EXA	.24	CONE C		30 EXC	.80			CONE B		27 EXB	.85

42
* APRIL 5, 1937 H = 06.56.41 1S 133E DEPTH 100 KM. M = 6.9
RITSEMA, A.R. 1959 PUBL. DOM. OBS., 20, 341. DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		19-3	303	72			35	83					326	70		
	84.1	19-3	318.3	67.7	1.00S	.08T	226.5	85.6	.92D	.38T	184.4	12.4	305.9	67.2	90.2	18.8
			316.9	69.9	1.00S	.08T	225.3	85.7	.94D	.34T	182.7	11.0	303.7	69.4	89.3	17.2
ROTATION ABOUT A,C,B AXIS																
	-13.4		316.9	69.9	.95S	.31T	220.5	73.1	.93D	.36T	179.2	2.1	273.5	63.3	88.2	26.6
	.2		316.9	69.9	1.00S	.08T	225.4	85.9	.94D	.34T	182.8	11.1	304.3	69.4	89.3	17.1
	-0.9		316.8	70.8	1.00S	.08T	225.3	85.7	.94D	.33T	182.5	10.3	303.1	70.3	89.4	16.6
	4.0		317.2	65.9	1.00S	.08T	225.3	85.7	.91D	.41T	183.7	13.6	305.8	65.5	88.6	20.0
	-2.0		319.0	70.1	1.00S	.09T	227.2	85.0	.94D	.34T	184.7	10.3	303.7	69.4	91.4	17.6
	12.8		303.3	69.4	1.00S	0N	33.3	89.8	.94D	.35N	171.2	14.3	303.7	69.4	77.4	14.6
			CONE A		9 EXA	.67	CONE C		14 EXC	.08			CONE B		8 EXB	.64

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	80.0	19-3	332.4	89.8	.99S	.11N	62.5	83.7	1.00D	0N	197.2	4.6	60.6	83.7	287.6	4.3
			129.8	83.2	.91S	.42T	36.6	65.4	.99D	.13T	170.7	12.2	54.0	64.3	265.7	22.3
ROTATION ABOUT A,C,B AXIS																
	-8.6		129.8	83.2	.83S	.55T	35.3	56.8	.99D	.14T	168.0	17.6	49.9	56.0	267.8	28.0
	7.0		129.8	83.2	.95S	.31T	37.6	72.3	.99D	.12T	172.5	7.5	59.9	71.0	264.8	17.3
	-22.4		300.3	76.4	.90S	.43N	36.6	65.4	.97D	.26N	166.4	27.5	4.0	61.4	260.3	7.4
	25.6		141.8	60.3	.88S	.48T	36.6	65.4	.84D	.55T	.2	3.2	94.0	49.6	267.5	40.2
	-16.0		324.2	89.9	.90S	.43N	54.3	64.3	1.00D	0N	186.3	17.9	54.0	64.3	282.2	17.8
	3.6		126.5	81.7	.91S	.41T	32.7	65.9	.99D	.16T	167.3	10.8	54.0	64.3	261.9	23.0
			CONE A		31 EXA	.59	CONE C		17 EXC	.20			CONE B		27 EXB	.68

43
* MAY 28, 1937 H = 19.56.04 24.0N 142.5E DEPTH 550 KM. M = 6.5
RITSEMA, A.R. 1964 PURE AND APPLIED GEOPHYS., 59, 58 DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA			170	30			62	80					146	28		
	90.8	29-3	64.1	80.3	.09S	1.00T	273.3	11.1	.48D	.88T	68.7	35.1	335.0	5.3	237.6	54.4
			63.5	79.9	.08S	1.00T	268.9	11.1	.42D	.91T	67.7	34.7	334.4	4.7	237.7	54.9
ROTATION ABOUT A,C,B AXIS																
	-0.8		63.5	79.9	.07S	1.00T	265.1	10.8	.36D	.93T	66.9	34.8	334.2	3.9	238.6	54.9
	1.4		63.5	79.9	.11S	.99T	275.1	11.8	.52D	.86T	68.8	34.6	334.6	6.1	235.9	54.7
	-4.8		58.7	80.3	.10S	1.00T	268.9	11.1	.50D	.87T	63.5	35.1	329.6	5.5	231.9	54.4
	12.8		76.5	79.1	.04S	1.00T	268.9	11.1	.21D	.98T	78.6	34.1	347.0	2.3	253.6	55.8
	-2.0		63.7	81.9	.08S	1.00T	274.1	9.4	.50D	.87T	67.9	36.7	334.4	4.7	238.2	52.9
	6.4		63.0	73.5	.08S	1.00T	259.7	17.1	.28D	.96T	66.9	28.3	334.4	4.7	235.8	61.2
			CONE A		12 EXA	.52	CONE C		4 EXC	.74			CONE B		6 EXB	.87

44
* JULY 22, 1937 H = 17.09.30 64.7N 147.0W DEPTH NORMAL
ADKINS, J.D. 1940 BULL. SEIS. SOC. AM., 30, 353.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ADKINS		51	120	68			216	76					156	64		
	96.1	51-2	125.2	66.8	.95S	.31N	222.5	73.4	.91D	.41N	355.2	28.7	164.9	60.9	262.8	4.4
			125.2	66.8	.95S	.31N	222.5	73.4	.91D	.41N	355.2	28.7	164.9	60.9	262.8	4.4
ROTATION ABOUT A,C,B AXIS																
	-3.0		125.2	66.8	.93S	.36N	223.8	70.7	.91D	.42N	355.4	30.8	169.6	59.1	263.9	2.6
	3.8		125.2	66.8	.97S	.25N	220.9	76.9	.91D	.40N	354.9	26.0	158.1	63.0	261.6	6.8
	-2.4		124.4	64.5	.95S	.32N	222.5	73.4	.89D	.45N	355.5	30.4	162.2	58.9	262.0	5.9
	19.2		131.1	85.2	.96S	.29N	222.5	73.4	1.00D	.09N	355.5	15.1	205.3	72.7	87.7	8.2
	-1.8		127.1	66.3	.95S	.30N	224.2	74.2	.91D	.42N	357.3	28.5	164.9	60.9	264.4	5.3
	3.2		121.9	67.8	.94S	.33N	219.5	72.1	.92D	.40N	351.6	28.9	164.9	60.9	260.0	2.9
			CONE A	10 EXA	.77		CONE C	6 EXC	.26				CONE B	12 EXB	.69	

45
* AUGUST 11, 1937 H = 00.55.52 6.5S 116.5E DEPTH 600 KM. M = 7.2
RITSEMA, A.R. 1956 LEM. MET. GEOFIS. VER. NO. 50.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		49	11	68			191	22					101	0		
	90.4	49-5	342.1	49.3	.05S	1.00N	157.9	40.8	.06D	1.00N	186.5	85.3	70.3	2.1	340.1	4.3
			338.6	47.1	.02S	1.00N	157.2	42.9	.02D	1.00N	176.4	87.8	68.0	.7	338.0	2.1
ROTATION ABOUT A,C,B AXIS																
	-7.0		338.6	47.1	.11D	.99N	167.5	43.2	.11S	.99N	96.7	85.2	252.7	4.4	342.9	2.0
	24.6		338.6	47.1	.43S	.90N	123.5	48.6	.42D	.91N	233.2	71.6	50.6	18.4	140.9	.8
	-2.4		335.3	47.1	.02D	1.00N	157.2	42.9	.02S	1.00N	133.0	87.7	246.2	.9	336.2	2.1
	5.6		346.2	47.5	.11S	.99N	157.2	42.9	.12D	.99N	224.8	84.9	72.1	4.5	341.9	2.3
	-0.1		338.6	47.0	.02S	1.00N	157.2	43.0	.02D	1.00N	177.3	87.9	68.0	.7	338.0	2.0
	4.0		338.5	51.1	.02S	1.00N	157.1	38.9	.02D	1.00N	164.5	83.9	68.0	.7	337.9	6.1
			CONE A	6 EXA	.49		CONE C	11 EXC	.87				CONE B	16 EXB	.75	

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
89.5	49-6	245.7	56.8	.40S	.92N	27.1	40.0	.52D	.85N	115.8	68.3	322.2	19.6	229.0	8.9
		237.6	52.7	.07D	1.00N	64.6	37.5	.10S	1.00N	36.3	81.7	150.2	3.4	240.7	7.6
ROTATION ABOUT A,C,B AXIS															
-18.2		237.6	52.7	.38D	.92N	91.9	42.6	.45S	.89N	359.3	71.5	161.6	17.7	253.3	5.3
37.4		237.6	52.7	.55S	.84N	10.4	48.2	.58D	.81N	119.8	64.1	306.0	25.8	214.8	2.5
-9.6		225.7	54.0	.20D	.98N	64.6	37.5	.26S	.97N	5.8	77.6	142.5	9.1	233.8	8.4
16.0		257.7	53.3	.14S	.99N	64.6	37.5	.18D	.98N	110.8	79.8	342.9	6.3	252.0	8.0
-11.2		236.4	41.6	.09D	1.00N	63.1	48.6	.08S	1.00N	284.2	85.1	150.2	3.4	60.0	3.5
19.2		239.1	71.9	.06D	1.00N	70.3	18.4	.19S	.98N	53.5	62.9	150.2	3.4	241.9	26.8
		CONE A	28 EXA	.16		CONE C	41 EXC	.45				CONE B	38 EXB	.54	

46
* SEPTEMBER 27, 1937 H = 08.25.20 8.7S 110.7E DEPTH 50 KM.
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		24	31	84			299	72					318	71		
	78.2	24-4	299.8	63.9	.99S	.11N	32.7	84.1	.90D	.44N	169.3	22.6	314.4	63.1	73.4	13.8
			296.9	60.9	.99S	.12N	30.4	83.7	.87D	.49N	167.5	24.9	311.4	60.1	70.1	15.4
ROTATION ABOUT A,C,B AXIS																
	-0.6		296.9	60.9	.99S	.14N	30.7	83.2	.87D	.49N	167.7	25.3	312.6	60.0	70.4	15.1
	.2		296.9	60.9	.99S	.12N	30.3	83.9	.87D	.49N	167.5	24.7	311.0	60.2	70.1	15.6
	-5.6		296.1	55.4	.99S	.13N	30.4	83.7	.82D	.57N	169.0	28.7	309.3	54.6	68.2	18.9
	7.2		297.9	68.1	.99S	.12N	30.4	83.7	.93D	.38N	166.1	20.0	315.5	67.1	72.2	10.7
	-2.8		300.1	60.6	1.00S	.10N	32.9	85.1	.87D	.49N	170.5	24.1	311.4	60.1	72.8	16.7
	.1		296.8	60.9	.99S	.13N	30.3	83.7	.87D	.49N	167.5	24.9	311.4	60.1	70.1	15.4
			CONE A		6 EXA	.77		CONE C		2 EXC	.72		CONE B		3 EXB	.94

47
* FEBRUARY 1, 1938 H = 19.04.21 5S 131.5E DEPTH NORMAL M = 8.2
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		21	321	80			230	86					300	79		
	96.3	21-1	314.5	72.0	1.00S	.06T	223.4	86.8	.95D	.31T	180.3	10.3	303.7	71.7	87.5	14.9
			314.2	72.1	1.00S	.06T	223.2	86.9	.95D	.31T	179.8	10.3	303.5	71.9	87.1	14.7
ROTATION ABOUT A,C,B AXIS																
	-5.4		314.2	72.1	.99S	.15T	221.5	81.7	.95D	.31T	178.9	6.6	287.7	70.2	86.7	18.6
	3.0		314.2	72.1	1.00S	.01T	224.1	89.7	.95D	.31T	180.6	12.3	313.2	72.1	87.8	12.8
	-0.1		314.2	72.2	1.00S	.06T	223.2	86.9	.95D	.31T	179.9	10.2	303.5	72.0	87.2	14.7
	.2		314.2	71.9	1.00S	.06T	223.2	86.9	.95D	.31T	180.0	10.4	303.7	71.7	87.2	14.9
	-1.0		315.3	72.2	1.00S	.06T	224.1	86.5	.95D	.31T	181.1	9.9	303.5	71.9	88.4	15.0
	4.0		310.0	72.0	1.00S	.04T	219.4	88.1	.95D	.31T	176.0	11.2	303.5	71.9	83.2	14.0
			CONE A		1 EXA	.94		CONE C		6 EXC	.40		CONE B		2 EXB	.96

48
* FEBRUARY 7, 1938 H = 14.43.02 36.2N 139.2 E DEPTH 100 KM. M=6.5
HONDA, H. AND MASATSUKA, A. 1952 SCI. REP. TOHOKU UN. SER. 5, 4, 42.
RITSEMA, A.R. 1964 PURE AND APPLIED GEOPHYS., 59, 58 DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HONDA			-	-			-	-			250	17	-			
RITSEMA			128	45			22	75					98	41		
	96.7	56-2	21.9	69.8	.82S	.58N	125.6	57.1	.91D	.41N	249.7	38.9	85.9	50.0	346.2	8.0
			21.9	69.8	.82S	.58N	125.6	57.1	.91D	.41N	249.7	38.9	85.9	50.0	346.2	8.0
ROTATION ABOUT A,C,B AXIS																
	-15.0		21.9	69.8	.64S	.77N	134.4	43.8	.87D	.50N	245.4	49.0	95.9	36.8	354.0	15.5
	1.4		21.9	69.8	.83S	.56N	124.9	58.4	.91D	.40N	249.9	37.9	84.7	51.2	345.6	7.2
	-4.0		19.3	66.6	.81S	.59N	125.6	57.1	.88D	.47N	249.0	41.7	80.9	47.7	344.3	5.9
	9.6		27.5	77.7	.83S	.56N	125.6	57.1	.97D	.25N	251.7	32.2	99.9	54.4	350.4	13.5
	0		21.9	69.8	.82S	.58N	125.6	57.1	.91D	.41N	249.7	38.9	85.9	50.0	346.2	8.0
	2.8		19.5	71.5	.81S	.59N	122.5	56.0	.92D	.38N	246.1	38.3	85.9	50.0	344.0	9.8
			CONE A		6 EXA	.79		CONE C		7 EXC	.83		CONE B		15 EXB	.17

49

* APRIL 13, 1938 H = 02.45.44 39.0N 15.2E DEPTH 230 KM. M = 6.7

DI FILIPPO D. AND PERONACI, F. 1959 ANNALI DI GEOFIS., 12, 549. SCHAFFNER, H.J. 1961 ANNALI DI GEOFIS., 14, 327.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
DIFILIPPO			211	65			106	62					156	51		
	93.6	42-3	108.7	45.3	.90S	.43N	217.1	72.4	.67D	.74N	354.3	45.4	142.5	40.0	246.9	16.5
			111.7	64.8	.98S	.18N	206.1	80.8	.90D	.43N	341.5	24.4	134.5	63.0	246.5	10.8
ROTATION ABOUT A,C,B AXIS																
	-31.0		111.7	64.8	.75S	.66N	222.1	53.5	.85D	.53N	342.0	46.2	175.7	43.0	79.3	6.9
	18.2		111.7	64.8	.99S	.14T	18.3	82.7	.90D	.43T	337.5	12.2	93.3	63.6	242.2	23.0
	-25.6		104.9	39.8	.97S	.25N	206.1	80.8	.63D	.78N	350.0	41.0	123.4	38.3	235.5	25.5
	32.0		297.1	83.6	.99S	.16T	206.1	80.8	.99D	.11T	341.4	2.0	241.5	78.8	71.8	11.0
	-12.8		125.9	63.2	1.00S	.07N	217.6	86.5	.89D	.45N	355.0	21.2	134.5	63.0	258.7	16.0
	7.2		104.0	66.3	.97S	.23N	199.4	77.8	.91D	.41N	333.7	25.7	134.5	63.0	240.0	7.7
			CONE A		34 EXA	.65	CONE C		31 EXC	.59			CONE B		53 EXB	.15

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* APRIL 19, 1938 H = 10.59.17 39.5N 33.7E

DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	86.7	24-3	121.1	69.1	1.00S	.05T	30.1	87.5	.93D	.36T	347.5	12.8	113.6	68.9	253.6	16.5
			120.7	67.9	1.00S	.06T	29.5	87.1	.93D	.38T	347.2	13.3	112.4	67.7	252.9	17.6
ROTATION ABOUT A,C,B AXIS																
	-2.2		120.7	67.9	1.00S	.09T	28.7	85.0	.93D	.38T	346.8	11.8	106.7	67.3	252.6	19.1
	1.8		120.7	67.9	1.00S	.02T	30.2	88.7	.93D	.38T	347.7	14.5	117.1	67.8	253.4	16.4
	-2.4		120.5	70.3	1.00S	.05T	29.5	87.1	.94D	.34T	346.6	11.7	111.4	70.0	253.2	16.0
	9.6		121.3	58.3	1.00S	.06T	29.5	87.1	.85D	.53T	349.8	19.6	114.8	58.1	250.6	24.1
	-3.2		124.1	68.1	1.00S	.08T	32.5	85.9	.93D	.37T	350.3	12.3	112.4	67.7	256.2	18.3
	.7		119.9	67.8	1.00S	.05T	28.8	87.3	.93D	.38T	346.6	13.5	112.4	67.7	252.3	17.4
			CONE A		7 EXA	.67	CONE C		4 EXC	.02			CONE B		7 EXB	.67

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* MAY 23, 1938 H = 07.18.28 36.5N 141.6E DEPTH NORMAL

MUHLHAUSER, S. 1957 TELLUS, 9, 104.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
MUHLHAUS.			59	84			239	6					329	0		
	89.4	47-5	82.8	80.8	.01S	1.00T	264.7	9.2	.03D	1.00T	83.0	35.8	352.8	.3	262.4	54.2
			82.8	80.8	.01S	1.00T	264.7	9.2	.03D	1.00T	83.0	35.8	352.8	.3	262.4	54.2
ROTATION ABOUT A,C,B AXIS																
	-8.6		82.8	80.8	.14D	.99T	220.4	12.4	.67S	.75T	75.5	35.3	171.4	8.2	272.6	53.5
	2.2		82.8	80.8	.04S	1.00T	278.0	9.5	.26D	.97T	85.0	35.8	353.2	2.5	259.7	54.1
	-2.0		80.7	80.8	.01S	1.00T	264.7	9.2	.07D	1.00T	81.2	35.8	350.8	.6	260.0	54.2
	2.0		84.8	80.8	0D	1.00T	264.7	9.2	0S	1.00T	84.8	35.8	174.8	0	264.8	54.2
	-2.8		82.8	83.6	.01S	1.00T	265.5	6.4	.05D	1.00T	83.0	38.6	352.8	.3	262.4	51.4
	.6		82.7	80.2	.01S	1.00T	264.5	9.8	.03D	1.00T	83.0	35.2	352.8	.3	262.4	54.8
			CONE A		4 EXA	.15	CONE C		6 EXC	.69			CONE B		7 EXB	.63

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* AUGUST 18, 1938 H = 09.30.04 3.8S 102.8E DEPTH 100 KM. M = 6.9
RITSEMA, A.R. 1956 LEM. MET. GEOFIS. VER. NO. 50.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		30	330	63			150	27					60	0		
	94.6	30-2	341.0	57.5	.11S	.99T	173.0	33.1	.18D	.98T	345.7	12.3	254.5	5.5	140.8	76.5
			340.5	57.3	.11S	.99T	171.8	33.2	.17D	.99T	345.0	12.1	253.9	5.2	141.1	76.8
ROTATION ABOUT A,C,B AXIS																
	-56.6		340.5	57.3	.77D	.64T	94.6	57.6	.77S	.64T	127.5	.2	37.3	40.4	217.7	49.6
	24.6		340.5	57.3	.51S	.86T	208.3	43.7	.62D	.78T	2.0	7.4	268.4	25.5	107.0	63.3
	-28.8		308.5	64.5	.38S	.93T	171.8	33.2	.62D	.78T	324.6	16.7	228.4	19.9	91.7	63.6
	.3		340.9	57.3	.10S	.99T	171.8	33.2	.16D	.99T	345.2	12.1	254.1	5.0	142.1	76.9
	-11.2		341.8	68.4	.10S	1.00T	176.7	22.2	.24D	.97T	346.1	23.2	253.9	5.2	152.0	66.1
	0		340.5	57.3	.11S	.99T	171.8	33.2	.17D	.99T	345.0	12.1	253.9	5.2	141.1	76.8
			CONE A		18 EXA	.62	CONE C		30 EXC	.86			CONE B		49 EXB	.64

53
* AUGUST 31, 1938 H = 17.45.13 4S 151.5E DEPTH 350 KM. M = 6.7
RITSEMA, A.R. 1959 PUBL. DOM. OBS., 20, 341. DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		16-1	20	72			286	77					342	68		
	95.6	16-1	39.6	68.4	.99S	.14T	306.5	82.3	.93D	.37T	264.9	9.5	18.1	66.9	171.2	20.8
			39.6	68.4	.99S	.14T	306.5	82.3	.93D	.37T	264.9	9.5	18.1	66.9	171.2	20.8
ROTATION ABOUT A,C,B AXIS																
	-11.8		39.6	68.4	.94S	.34T	301.9	71.4	.92D	.39T	261.3	2.0	354.9	60.8	170.2	29.1
	7.0		39.6	68.4	1.00S	.02T	309.1	88.8	.93D	.37T	266.5	14.3	36.2	68.3	172.4	16.0
	-2.8		39.2	71.1	.99S	.14T	306.5	82.3	.95D	.33T	264.2	7.7	15.4	69.5	171.5	18.9
	0		39.6	68.4	.99S	.14T	306.5	82.3	.93D	.37T	264.9	9.5	18.1	66.9	171.2	20.8
	-2.0		41.7	68.7	.99S	.16T	308.4	81.6	.93D	.37T	266.7	8.9	18.1	66.9	173.2	21.2
	.1		39.5	68.3	.99S	.14T	306.4	82.4	.93D	.37T	264.6	9.7	18.1	66.9	170.9	20.8
			CONE A		2 EXA	.25	CONE C		6 EXC	.89			CONE B		7 EXB	.85

54
* OCTOBER 20, 1938 H = 02.19.29 9.2S 123.0E DEPTH 100KM. M = 7.3
RITSEMA, A.R. 1956 LEM. MET. GEOFIS. VER. NO. 50.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		38	336	71			84	48					49	42		
	90.6	38-4	319.0	71.1	.31S	.95N	93.9	25.9	.67D	.74N	164.9	59.9	43.0	17.0	305.2	24.0
			319.0	71.1	.31S	.95N	93.9	25.9	.67D	.74N	164.9	59.9	43.0	17.0	305.2	24.0
ROTATION ABOUT A,C,B AXIS																
	-63.0		319.0	71.1	.71D	.71N	211.1	48.0	.90S	.44N	94.5	44.6	247.0	42.0	350.1	14.1
	43.8		319.0	71.1	.88S	.47N	58.9	63.4	.93D	.36N	187.0	33.0	17.9	56.5	280.3	5.0
	-0.2		318.8	71.0	.31S	.95N	93.9	25.9	.67D	.74N	164.6	60.0	42.8	16.9	305.0	23.9
	.1		319.1	71.1	.31S	.95N	93.9	25.9	.67D	.74N	165.0	59.9	43.1	17.0	305.3	24.0
	-0.3		319.1	70.8	.31S	.95N	94.4	26.1	.66D	.75N	165.2	60.2	43.0	17.0	305.3	23.7
	0		319.0	71.1	.31S	.95N	93.9	25.9	.67D	.74N	164.9	59.9	43.0	17.0	305.2	24.0

55

* NOVEMBER 17, 1938 H = 03.54.34 55.6N 157.7W DEPTH NORMAL

MUHLHAUSER, S. 1957 TELLUS, 9, 104.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
MUHLHAUS.		22	238	68			137	68								
	93.9	22-1	69.9	88.2	.95S	.31T	339.3	71.7	1.00D	.03T	113.1	11.5	345.3	71.6	206.1	14.1
			69.9	88.2	.95S	.31T	339.3	71.7	1.00D	.03T	113.1	11.5	345.3	71.6	206.1	14.1
ROTATION ABOUT A,C,B AXIS																
	-0.6		69.9	88.2	.95S	.32T	339.3	71.1	1.00D	.03T	113.0	11.9	345.1	71.0	206.1	14.6
	1.8		69.9	88.2	.96S	.28T	339.3	73.5	1.00D	.03T	113.4	10.3	345.9	73.4	205.8	12.9
	-22.4		242.6	70.6	.94S	.33N	339.3	71.7	.94D	.35N	111.1	27.2	289.3	62.8	20.7	.7
	2.0		70.5	86.3	.95S	.31T	339.3	71.7	1.00D	.07T	113.5	10.2	351.5	71.3	206.3	15.5
	-4.8		74.4	89.7	.95S	.32T	344.3	71.6	1.00D	.01T	117.8	12.7	345.3	71.6	210.9	13.1
	9.6		60.7	85.2	.95S	.31T	329.2	72.3	1.00D	.09T	103.6	9.0	345.3	71.6	196.2	15.9
			CONE A		19 EXA	.41	CONE C		6 EXC	.83			CONE B		8 EXB	.90

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	90.3	22-2	233.4	70.4	.99S	.17T	140.1	81.0	.94D	.34T	98.0	7.3	206.7	68.3	5.3	20.3
			280.7	27.3	.48S	.88T	132.6	66.3	.24D	.97T	122.1	20.1	216.9	12.8	337.3	65.8
ROTATION ABOUT A,C,B AXIS																
	-63.0		280.7	27.3	.56D	.83T	63.4	67.6	.28S	.96T	75.6	21.0	339.7	14.9	216.9	63.8
	50.2		280.7	27.3	.98S	.19T	181.0	85.0	.45D	.89T	158.2	34.5	268.5	26.8	27.3	43.6
	-57.6		230.2	73.2	.91S	.42T	132.6	66.3	.95D	.32T	270.2	4.6	172.1	60.3	2.8	29.3
	76.8		30.9	65.2	.90D	.44T	132.6	66.3	.89S	.46T	171.6	.7	80.6	54.5	262.1	35.5
	-9.6		288.6	36.0	.38S	.93T	135.4	57.0	.26D	.96T	124.4	10.8	216.9	12.8	355.5	73.1
	16.0		250.3	15.3	.84S	.54T	128.7	81.9	.22D	.97T	117.5	35.6	216.9	12.8	323.5	51.4
			CONE A		59 EXA	.81	CONE C		54 EXC	.77			CONE B		123 EXB	.16

56

* APRIL 21, 1939 H = 04.29.06 47.6N 140.0E DEPTH 550 KM. M = 7

HONDA, H. AND MASATSUKA, A. 1952 SCI. REP. TOHOKU UN. SER. 5, 4, 42.

RITSEMA, A.R. 1964 PURE AND APPLIED GEOPHYS., 59, 58 DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HONDA			-	-			-	-			323	62				
RITSEMA			60	12			305	85					34	11		
	90.7	60-5	72.8	16.4	.85S	.53T	311.9	81.4	.24D	.97T	299.8	34.9	39.8	13.9	148.0	51.6
			63.9	15.2	.94S	.34T	314.5	84.9	.25D	.97T	301.7	38.3	43.2	14.2	149.6	48.2
ROTATION ABOUT A,C,B AXIS																
	-15.0		63.9	15.2	.82S	.57T	299.8	81.4	.22D	.98T	289.0	35.2	27.9	12.4	134.3	52.0
	0		63.9	15.2	.94S	.34T	314.5	84.9	.25D	.97T	301.7	38.3	43.2	14.2	149.6	48.2
	-12.8		54.5	27.5	.98S	.19T	314.5	84.9	.46D	.89T	291.5	34.3	41.9	27.0	160.9	43.6
	9.6		92.2	6.9	.67S	.74T	314.5	84.9	.08D	1.00T	310.2	39.7	44.1	4.7	139.7	49.9
	0		63.9	15.2	.94S	.34T	314.5	84.9	.25D	.97T	301.7	38.3	43.2	14.2	149.6	48.2
	1.4		58.8	14.7	.97S	.26T	314.2	86.2	.25D	.97T	301.1	39.6	43.2	14.2	148.9	46.9
			CONE A		6 EXA	.94	CONE C		5 EXC	.91			CONE B		18 EXB	.33

57
* SEPTEMBER 15, 1939 H = 23.16.26 39.8N 29.6E DEPTH NORMAL
DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	79.4	16-3	202.5	43.0	.18S	.98N	8.7	47.8	.16D	.99N	124.5	82.7	285.0	6.9	15.3	2.4
			167.6	41.3	.25D	.97N	6.6	50.3	.21S	.98N	242.5	79.4	88.6	9.5	357.8	4.6
ROTATION ABOUT A,C,B AXIS																
	-18.2		167.6	41.3	.54D	.84N	28.1	56.2	.43S	.90N	260.6	67.5	103.3	20.9	10.3	7.9
	21.4		167.6	41.3	.12S	.99N	338.4	49.0	.11D	.99N	112.5	84.0	252.4	4.6	342.7	3.9
	-76.8		97.1	89.4	.77D	.64N	6.6	50.3	1.00S	.01N	239.4	27.4	7.8	50.2	134.4	26.4
	38.4		223.9	46.3	.47S	.88N	6.6	50.3	.44D	.90N	120.5	70.2	293.9	19.7	24.7	2.1
	-1.4		167.1	40.0	.26D	.97N	6.2	51.6	.21S	.98N	236.3	78.8	88.6	9.5	357.6	5.9
	4.8		169.3	46.0	.23D	.97N	8.0	45.6	.23S	.97N	269.8	80.5	88.6	9.5	178.6	.2
			CONE A	27 EXA	.95		CONE C	16 EXC	.84				CONE B	68 EXB	.66	

58
* NOVEMBER 21, 1939 H = 08.48.52 39.7N 39.7E
DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	91.9	12-1	17.2	68.5	.88S	.48T	275.9	63.6	.91D	.41T	55.6	3.2	321.1	54.8	147.8	35.0
			24.1	75.2	.96S	.29T	289.6	73.6	.96D	.27T	66.5	1.1	333.9	67.6	157.0	22.4
ROTATION ABOUT A,C,B AXIS																
	-18.2		24.1	75.2	.82S	.58T	283.9	56.1	.95D	.31T	60.4	12.3	314.0	52.2	159.2	35.1
	255.0		24.1	75.2	.34D	.94N	259.0	24.7	.79S	.61N	178.9	55.4	299.4	19.3	39.9	27.5
	-4.0		22.9	79.0	.96S	.29T	289.6	73.6	.98D	.20T	65.5	3.7	325.2	70.1	156.8	19.5
	2.0		24.7	73.3	.96S	.30T	289.6	73.6	.95D	.30T	247.1	.2	337.6	66.2	157.0	23.8
	-4.0		28.0	76.4	.95S	.31T	293.7	72.5	.97D	.25T	70.4	2.7	333.9	67.6	161.4	22.2
	6.4		17.7	73.4	.96S	.26T	283.2	75.4	.96D	.29T	240.6	1.4	333.9	67.6	150.0	22.4
			CONE A	8 EXA	.42		CONE C	53 EXC	.96				CONE B	40 EXB	.98	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	85.6	12-1	14.9	67.5	.98S	.20N	109.5	79.2	.92D	.39N	244.1	23.8	43.4	64.8	150.6	7.9
			20.8	75.8	.85S	.52N	119.3	59.5	.96D	.28N	246.1	32.2	89.0	55.7	342.9	10.7
ROTATION ABOUT A,C,B AXIS																
	-75.8		20.8	75.8	.30D	.95N	252.6	22.2	.76S	.65N	178.8	55.9	295.2	16.8	34.7	28.7
	63.0		20.8	75.8	.85S	.52T	282.3	59.6	.96D	.28T	58.6	10.6	312.6	55.8	155.4	32.1
	-16.0		11.4	62.4	.82S	.57N	119.3	59.5	.84D	.54N	244.2	43.3	67.8	46.6	335.9	1.8
	32.0		217.3	76.7	.85S	.52T	119.3	59.5	.96D	.27T	255.4	11.3	148.0	56.2	352.4	31.4
	-4.0		24.4	73.8	.86S	.51N	123.7	60.8	.95D	.32N	250.8	32.9	89.0	55.7	346.3	8.5
	1.8		19.2	76.8	.85S	.53N	117.3	59.0	.96D	.27N	244.0	31.7	89.0	55.7	341.3	11.7
			CONE A	17 EXA	.88		CONE C	28 EXC	.96				CONE B	82 EXB	.65	

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* DECEMBER 21, 1939 H = 21.00.40 0 123E DEPTH 150 KM. M = 8
RITSEMA, A.R. 1959 PUBL. DOM. OBS., 20, 341. DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		25-6	177	60			330	33					260	12		
	69.9	27-7	81.1	71.4	.63S	.78T	329.6	42.5	.88D	.47T	108.9	17.2	5.6	36.6	219.2	48.3
			82.1	72.2	.41S	.91T	318.0	29.9	.79D	.61T	100.7	23.4	360.0	23.2	230.5	56.0
ROTATION ABOUT A,C,B AXIS																
	-37.4		82.1	72.2	.22D	.97T	225.1	21.9	.57S	.82T	71.8	26.1	168.0	12.4	281.1	60.7
	27.8		82.1	72.2	.79S	.61T	338.7	54.3	.93D	.38T	116.8	11.3	13.6	48.8	216.2	39.0
	-5.6		76.8	74.5	.44S	.90T	318.0	29.9	.85D	.53T	96.8	25.1	354.2	24.9	225.7	53.3
	1.0		83.0	71.8	.41S	.91T	318.0	29.9	.78D	.63T	101.3	23.1	1.0	22.8	231.5	56.5
	-1.0		82.5	73.1	.41S	.91T	319.7	29.3	.80D	.59T	101.1	24.3	360.0	23.2	231.8	55.3
	1.0		81.6	71.3	.42S	.91T	316.5	30.5	.77D	.63T	100.2	22.5	360.0	23.2	229.3	56.7
			CONE A		4 EXA	.70	CONE C		11 EXC	.97			CONE B		21 EXB	.90

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	69.1	27-7	114.4	61.8	.96S	.29T	16.3	75.1	.87D	.49T	337.6	8.8	81.6	57.5	242.3	31.0
			141.1	31.2	.83S	.55T	21.7	73.4	.45D	.89T	1.3	23.8	103.5	25.6	234.4	53.8
ROTATION ABOUT A,C,B AXIS																
	-3.8		141.1	31.2	.80S	.60T	18.1	71.8	.43D	.90T	358.6	22.6	99.5	24.4	231.1	55.7
	15.0		141.1	31.2	.95S	.32T	35.2	80.6	.50D	.87T	11.5	29.3	119.9	29.4	245.8	46.1
	-32.0		121.5	60.2	.94S	.33T	21.7	73.4	.86D	.52T	344.0	8.6	86.5	55.1	248.3	33.5
	44.8		250.4	24.3	.72D	.69T	21.7	73.4	.31S	.95T	35.8	26.3	297.0	17.2	177.5	57.8
	0		141.1	31.2	.83S	.55T	21.7	73.4	.45D	.89T	1.3	23.8	103.5	25.6	234.4	53.8
	5.6		131.2	28.5	.91S	.42T	19.1	78.5	.44D	.90T	358.3	28.7	103.5	25.6	227.9	49.7
			CONE A		21 EXA	.93	CONE C		10 EXC	.70			CONE B		38 EXB	.76

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* DECEMBER 26, 1939 H = 23.57.16 39.7N 39.7E DEPTH NORMAL
DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	72.9	46-11	96.5	52.9	.91S	.40T	351.6	71.2	.77D	.64T	317.8	11.4	60.3	46.9	217.7	40.8
			105.1	37.5	.85S	.53T	348.8	71.3	.55D	.84T	324.6	19.5	67.0	31.1	207.6	52.0
ROTATION ABOUT A,C,B AXIS																
	-0.4		105.1	37.5	.85S	.53T	348.5	71.1	.54D	.84T	324.4	19.4	66.6	31.0	207.4	52.2
	.8		105.1	37.5	.86S	.52T	349.5	71.7	.55D	.84T	325.2	19.8	67.9	31.4	208.2	51.6
	-22.4		91.3	57.5	.92S	.38T	348.8	71.3	.82D	.57T	312.6	8.8	53.8	51.3	215.9	37.3
	51.2		214.4	25.8	.68D	.74T	348.8	71.3	.31S	.95T	2.7	24.2	264.8	17.1	143.0	59.7
	-4.0		110.4	39.7	.81S	.59T	351.2	67.9	.56D	.83T	326.9	16.1	67.0	31.1	213.4	54.1
	0		105.1	37.5	.85S	.53T	348.8	71.3	.55D	.84T	324.6	19.5	67.0	31.1	207.6	52.0
			CONE A		17 EXA	.95	CONE C		2 EXC	.70			CONE B		9 EXB	.98

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
74.4	46-12	293.4	70.6	.99S	.13T	200.9	82.9	.94D	.34T	158.5	8.5	271.7	69.2	65.6	18.8
		292.4	70.6	.99S	.14T	199.7	82.4	.94D	.34T	157.4	8.2	269.4	69.0	64.5	19.2
ROTATION ABOUT A,C,B AXIS															
-0.2		292.4	70.6	.99S	.14T	199.6	82.2	.94D	.34T	157.3	8.0	268.8	69.0	64.5	19.3
1.4		292.4	70.6	.99S	.12T	200.1	83.7	.94D	.33T	157.7	9.1	273.1	69.5	64.7	18.2
-2.4		292.0	73.0	.99S	.14T	199.7	82.4	.96D	.30T	156.8	6.5	266.6	71.3	64.8	17.5
4.0		293.0	66.6	.99S	.14T	199.7	82.4	.92D	.40T	158.4	10.8	272.9	65.3	64.0	22.0
-1.4		293.8	70.8	.99S	.15T	201.0	82.0	.94D	.33T	158.7	7.7	269.4	69.0	66.0	19.4
-0.0		292.4	70.6	.99S	.14T	199.7	82.4	.94D	.34T	157.4	8.2	269.4	69.0	64.5	19.2
		CONE A		3 EXA	.78		CONE C	1 EXC	.12			CONE B		3 EXB	.75

61
* MARCH 21, 1940 H = 13.52.51 10.5S 107.5E DEPTH NORMAL M = 6.7
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		17	338	86			248	85					287	84		
	93.7	17-1	251.5	83.8	1.00S	.08N	342.0	85.3	.99D	.11N	116.8	7.7	288.9	82.2	26.6	1.1
			256.3	82.1	1.00S	.10N	347.1	84.4	.99D	.14N	121.8	9.5	292.0	80.3	31.6	1.6
ROTATION ABOUT A,C,B AXIS																
-8.6			256.3	82.1	.97S	.25N	348.3	75.9	.99D	.14N	121.7	15.6	317.9	73.8	212.9	4.3
2.2			256.3	82.1	1.00S	.06N	346.8	86.6	.99D	.14N	121.8	8.0	279.9	81.4	31.3	3.2
-2.8			256.0	79.3	1.00S	.10N	347.1	84.4	.98D	.19N	121.9	11.5	284.3	77.9	31.2	3.6
5.6			256.9	87.7	1.00S	.10N	347.1	84.4	1.00D	.04N	121.9	5.6	324.5	84.0	212.1	2.3
-5.6			262.0	81.6	1.00S	.08N	352.7	85.2	.99D	.15N	127.5	9.3	292.0	80.3	37.1	2.5
2.8			253.5	82.4	.99S	.10N	344.3	84.0	.99D	.13N	119.0	9.6	292.0	80.3	28.8	1.2
			CONE A		8 EXA	0		CONE C	10 EXC	.22			CONE B		10 EXB	.22

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
90.9	17-2	248.4	9.7	.63S	.78N	28.9	82.5	.11D	.99N	201.8	52.1	299.7	6.1	34.4	37.2
		196.4	25.8	.29S	.96N	357.6	65.4	.14D	.99N	161.9	68.6	271.0	7.3	3.7	20.0
ROTATION ABOUT A,C,B AXIS															
-63.0		196.4	25.8	.72D	.70N	65.3	72.4	.33S	.94N	271.4	58.3	149.3	18.2	50.5	25.0
21.4		196.4	25.8	.62S	.78N	335.0	70.1	.29D	.96N	129.9	61.3	250.8	15.7	347.8	23.3
-64.0		103.3	59.4	.88D	.48N	357.6	65.4	.83S	.56N	228.4	40.9	56.0	48.9	321.7	3.8
57.6		256.9	68.0	.89S	.45N	357.6	65.4	.91D	.41N	126.6	33.9	310.2	56.0	217.7	1.7
-9.6		206.2	16.8	.44S	.90N	359.0	74.9	.13D	.99N	168.5	59.4	271.0	7.3	5.2	29.5
9.6		191.5	35.1	.22S	.97N	355.9	55.9	.15D	.99N	146.8	77.2	271.0	7.3	2.4	10.5
		CONE A		48 EXA	.84		CONE C	40 EXC	.77			CONE B		101 EXB	.31

62
* MARCH 28, 1940 H = 15.48.50 14.3N 120.5E DEPTH 160 KM. M = 6.7
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		23	230	74			135	72					180	66		
	85.8	23-3	230.9	73.0	.97S	.25T	136.6	76.2	.95D	.30T	94.1	2.2	189.5	67.8	3.2	22.1
			231.1	72.7	.97S	.26T	136.6	75.8	.95D	.31T	94.2	2.1	189.3	67.3	3.4	22.6
ROTATION ABOUT A,C,B AXIS																
	-10.2		231.1	72.7	.91S	.42T	133.2	66.1	.95D	.33T	271.2	4.4	173.6	59.9	3.7	29.7
	11.8		231.1	72.7	1.00S	.05T	140.2	87.1	.95D	.30T	96.8	10.1	220.9	72.4	4.2	14.3
	-9.6		228.6	82.0	.97S	.25T	136.6	75.8	.99D	.14T	272.0	4.3	167.2	73.6	3.3	15.8
	.2		231.2	72.5	.97S	.26T	136.6	75.8	.95D	.31T	94.4	2.2	189.7	67.2	3.4	22.7
	-4.0		235.1	73.8	.96S	.28T	140.5	74.6	.96D	.29T	98.0	.5	189.3	67.3	7.8	22.7
	19.2		211.2	68.8	.99S	.14T	118.2	82.3	.93D	.36T	76.3	9.3	189.3	67.3	342.8	20.5
			CONE A	15 EXA	.58		CONE C	23 EXC	.05				CONE B	15 EXB	.55	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	83.8	23-3	33.1	28.9	.50S	.87T	246.6	65.3	.27D	.96T	235.1	18.9	330.0	14.0	94.4	66.2
			33.6	30.0	.49S	.87T	246.6	64.1	.27D	.96T	234.9	17.7	329.5	14.2	96.2	67.0
ROTATION ABOUT A,C,B AXIS																
	-15.0		33.6	30.0	.25S	.97T	230.0	61.0	.14D	.99T	224.1	15.6	316.1	7.1	69.8	72.8
	18.2		33.6	30.0	.74S	.68T	265.2	70.2	.39D	.92T	247.8	21.9	347.0	21.6	117.1	58.4
	-32.0		358.2	52.8	.84S	.55T	246.6	64.1	.74D	.67T	214.8	6.8	310.9	41.8	117.3	47.4
	51.2		125.0	42.8	.77D	.64T	246.6	64.1	.58S	.81T	271.3	12.1	173.8	31.4	19.8	55.8
	-9.6		41.1	38.6	.39S	.92T	249.7	54.9	.30D	.95T	237.4	8.4	329.5	14.2	117.7	73.4
	4.8		28.3	25.9	.56S	.83T	245.2	68.8	.26D	.96T	233.5	22.4	329.5	14.2	89.4	63.1
			CONE A	35 EXA	.83		CONE C	22 EXC	.57				CONE B	53 EXB	.60	

63
* JUNE 18, 1940 H = 13.52.33 5.4N 123.0E DEPTH 540 KM. M = 6.5
RITSEMA, A.R. 1956 LEM. MET. GEOFIS. VER. NO. 50.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		24	315	43			135	47					45	0		
	80.7	24-4	148.3	53.3	.34S	.94N	296.8	41.1	.42D	.91N	23.3	72.7	226.0	16.0	134.2	6.3
			148.3	53.4	.34S	.94N	297.1	41.0	.42D	.91N	22.9	72.9	226.2	15.8	134.4	6.4
ROTATION ABOUT A,C,B AXIS																
	-8.6		148.3	53.4	.20S	.98N	309.8	38.1	.25D	.97N	10.1	78.1	231.5	9.0	140.3	7.8
	2.2		148.3	53.4	.38S	.93N	294.1	42.0	.45D	.89N	24.8	71.4	224.7	17.6	132.8	6.0
	-28.8		111.5	49.1	.06D	1.00N	297.1	41.0	.07S	1.00N	259.3	85.1	23.9	2.8	114.1	4.1
	11.2		160.8	57.8	.45S	.89N	297.1	41.0	.58D	.81N	31.6	65.5	235.7	22.6	141.9	9.0
	-1.6		149.0	51.9	.35S	.94N	298.1	42.5	.40D	.91N	28.1	73.4	226.2	15.8	134.8	4.9
	4.0		146.7	57.2	.32S	.95N	294.4	37.4	.45D	.89N	11.4	71.0	226.2	15.8	133.3	10.3
			CONE A	15 EXA	.86		CONE C	8 EXC	.48				CONE B	21 EXB	.73	

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
80.6	24-4	4.7	84.9	.70S	.72T	269.5	44.6	.99D	.13T	38.1	26.2	279.7	44.1	147.9	34.5
		6.1	86.6	.68S	.74T	272.4	42.6	1.00D	.09T	39.0	28.6	279.2	42.4	150.8	34.2
ROTATION ABOUT A,C,B AXIS															
-0.8		6.1	86.6	.66S	.75T	272.3	41.8	1.00D	.09T	38.6	29.0	279.1	41.6	151.2	34.7
3.8		6.1	86.6	.72S	.69T	272.9	46.4	1.00D	.08T	41.0	26.5	279.7	46.2	149.1	32.0
-3.6		3.5	89.0	.68S	.74T	272.4	42.6	1.00D	.02T	37.2	30.5	274.4	42.6	149.0	32.2
7.2		11.5	81.8	.67S	.74T	272.4	42.6	.98D	.21T	42.9	24.8	288.8	41.4	154.4	38.4
-12.8		194.8	83.9	.68S	.74N	291.3	43.0	.99D	.15N	51.3	36.3	279.2	42.4	162.5	26.2
.7		5.7	86.1	.68S	.74T	271.4	42.6	.99D	.10T	38.5	28.2	279.2	42.4	150.1	34.6
		CONE A		12 EXA	.20	CONE C		8 EXC	.66			CONE B		7 EXB	.57

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
79.2	24-4	357.3	68.2	.92S	.38T	258.5	69.1	.92D	.40T	218.0	.6	309.0	59.0	127.7	31.0
		359.9	69.6	.93S	.37T	262.0	69.7	.93D	.37T	221.1	.1	311.2	60.6	131.0	29.4
ROTATION ABOUT A,C,B AXIS															
-8.6		359.9	69.6	.86S	.50T	258.4	61.8	.92D	.40T	37.8	5.0	300.8	54.0	131.4	35.5
5.4		359.9	69.6	.96S	.28T	264.1	74.8	.93D	.36T	222.7	3.5	320.0	64.1	131.1	25.6
-1.0		359.5	70.5	.93S	.37T	262.0	69.7	.93D	.36T	40.7	.5	309.7	61.3	131.0	28.7
1.0		.3	68.7	.93S	.37T	262.0	69.7	.92D	.39T	221.5	.7	312.6	59.8	131.1	30.2
-0.3		.2	69.7	.93S	.37T	262.3	69.6	.93D	.37T	41.3	.1	311.2	60.6	131.4	29.4
6.4		353.5	67.3	.94S	.33T	255.8	72.2	.91D	.40T	215.4	3.2	311.2	60.6	123.6	29.2
		CONE A		4 EXA	.70	CONE C		10 EXC	.52			CONE B		5 EXB	.86

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* JUNE 22, 1940 H = 11.36.46 0 122.5E DEPTH 225 KM. M = 6.7
RITSEMA, A.R. 1959 PUBL. DOM. OBS., 20, 341. DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		25-4	328	54			205	53					266	33		
	77.1	25-6	342.8	74.3	1.00S	.04T	252.2	87.7	.96D	.27T	208.6	9.4	334.1	74.1	116.5	12.7
			349.1	82.7	1.00S	.03T	258.9	88.4	.99D	.13T	213.9	4.0	336.3	82.5	123.5	6.3
ROTATION ABOUT A,C,B AXIS																
	-3.0		349.1	82.7	1.00S	.08T	258.5	85.4	.99D	.13T	213.8	1.9	316.4	81.4	123.5	8.4
	8.6		349.1	82.7	.99S	.12N	80.0	83.1	.99D	.13N	214.6	10.1	33.0	79.9	124.6	.3
	0		349.1	82.7	1.00S	.03T	258.9	88.4	.99D	.13T	213.9	4.0	336.3	82.5	123.5	6.3
	8.0		349.3	74.7	1.00S	.03T	258.9	88.4	.96D	.26T	215.0	9.6	342.9	74.6	122.9	11.9
	-11.2		.4	83.2	1.00S	.05T	270.0	87.0	.99D	.12T	225.3	2.7	336.3	82.5	135.0	7.0
	.2		348.9	82.7	1.00S	.03T	258.7	88.4	.99D	.13T	213.9	4.0	336.3	82.5	123.5	6.3
			CONE A		10 EXA	.30	CONE C		11 EXC	.02			CONE B		10 EXB	.31

	SCORE	OBSERVED	PLANE A AZ	DIP	COMPONENT STRIKE	DIP	PLANE C AZ	DIP	COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
	74.8	25-5	332.6	57.3	.81S	.59T	220.9	60.1	.78D	.62T	187.3	1.7	278.9	42.7	95.5	47.2
			29.5	35.8	.01D	1.00T	208.6	54.2	.01S	1.00T	209.0	9.2	118.9	.4	26.4	80.8
ROTATION ABOUT A,C,B AXIS																
	-24.6		29.5	35.8	.43D	.90T	179.2	58.1	.29S	.96T	191.5	11.5	98.5	14.5	318.6	71.3
	18.2		29.5	35.8	.30S	.95T	230.7	56.1	.21D	.98T	221.9	10.3	313.8	10.1	87.3	75.5
	-51.2		324.2	59.1	.73S	.68T	208.6	54.2	.77D	.63T	355.4	2.9	263.1	38.9	89.0	51.0
	51.2		93.8	59.8	.74D	.68T	208.6	54.2	.79S	.62T	62.4	3.3	155.1	39.6	328.4	50.2
	-12.8		29.3	48.6	.01D	1.00T	208.4	41.4	.01S	1.00T	28.9	3.6	118.9	.4	215.2	86.4
	14.4		30.0	21.4	.02D	1.00T	208.7	68.6	.01S	1.00T	209.1	23.6	118.9	.4	28.0	66.4
			CONE A		53 EXA	.73	CONE C		34 EXC	.36			CONE B		66 EXB	.58

65
* SEPTEMBER 22, 1940 H = 22.51.58 7.5N 123.5E DEPTH 680 KM. M = 6.
RITSEMA, A.R. 1956 LEM. MET. GEOFIS. VER. NO. 50.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	DIP	COMPONENT STRIKE	DIP	PLANE C AZ	DIP	COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
RITSEMA		43	122	38			235	73					156	33		
	93.2	43-3	262.5	65.4	.23S	.97N	53.3	27.7	.44D	.90N	106.8	67.0	347.0	11.9	252.7	19.4
			246.4	59.5	.16D	.99N	83.9	31.7	.26S	.97N	42.9	73.9	161.1	7.8	253.1	14.0
ROTATION ABOUT A,C,B AXIS																
	-18.2		246.4	59.5	.46D	.89N	111.9	40.0	.61S	.79N	18.4	64.3	171.1	23.2	265.7	10.5
	15.0		246.4	59.5	.10S	.99N	54.8	31.0	.17D	.98N	82.5	74.8	333.4	5.1	242.1	14.3
	-9.6		235.6	61.5	.25D	.97N	83.9	31.7	.42S	.91N	24.8	70.0	152.6	12.6	246.1	15.3
	8.0		255.7	58.6	.07D	1.00N	83.9	31.7	.12S	.99N	63.3	76.0	167.9	3.6	258.8	13.5
	-5.6		245.4	54.0	.17D	.99N	81.5	37.1	.22S	.97N	29.2	78.4	161.1	7.8	252.3	8.5
	12.8		248.5	72.2	.14D	.99N	93.7	19.6	.40S	.91N	56.2	62.0	161.1	7.8	255.1	26.8
			CONE A		18 EXA	.04	CONE C		25 EXC	.45			CONE B		24 EXB	.47

66
* OCTOBER 7, 1940 H = 06.43.04 5N 126E DEPTH 100 KM. M = 7
RITSEMA, A.R. 1959 PUBL. DOM. OBS., 20, 341. DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	DIP	COMPONENT STRIKE	DIP	PLANE C AZ	DIP	COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
RITSEMA		9-0	252	55			142	64					203	44		
	100.0	9-0	134.4	65.6	.72S	.69N	246.0	50.9	.85D	.53N	3.5	47.5	201.1	41.1	103.3	8.8
			134.4	65.6	.72S	.69N	246.0	50.9	.85D	.53N	3.5	47.5	201.1	41.1	103.3	8.8
ROTATION ABOUT A,C,B AXIS																
	-6.2		134.4	65.6	.64S	.77N	250.6	45.8	.82D	.58N	1.7	51.8	205.3	35.8	106.8	11.6
	11.8		134.4	65.6	.85S	.53N	238.9	61.1	.88D	.47N	5.1	39.3	190.9	50.6	97.4	2.8
	-38.4		95.3	43.0	.38S	.93N	246.0	50.9	.33D	.94N	4.5	74.4	168.6	15.0	259.7	4.1
	25.6		151.9	84.9	.77S	.63N	246.0	50.9	.99D	.11N	11.4	30.5	235.7	50.5	115.5	22.5
	-7.2		140.3	60.7	.75S	.66N	253.4	55.0	.80D	.60N	14.2	48.7	201.1	41.1	108.1	3.4
	.4		134.1	65.9	.72S	.69N	245.6	50.7	.85D	.53N	2.9	47.4	201.1	41.1	103.0	9.2
			CONE A		22 EXA	.88	CONE C		12 EXC	.58			CONE B		34 EXB	.72

67
* JANUARY 31, 1941 H = 02.38.40 6.5S 128.5E DEPTH 270 KM. M = 6.7
RITSEMA, A.R. 1956 LEM. MET. GEOFIS. VER. NO. 50.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	COMPONENT STRIKE	COMPONENT DIP	PLANE C AZ	PLANE C DIP	COMPONENT STRIKE	COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		15	348	81			130	11					77	8		
	100.0	15-0	258.4	51.8	.98S	.18N	354.9	81.8	.78D	.62N	134.0	32.6	275.0	50.6	30.8	19.7
			258.6	51.4	.98S	.19N	355.4	81.7	.78D	.63N	134.6	33.0	275.5	50.1	31.1	19.9
ROTATION ABOUT A,C,B AXIS																
	-3.8		258.6	51.4	.97S	.25N	357.8	78.7	.77D	.64N	135.7	35.5	281.1	49.1	32.6	17.6
	1.8		258.6	51.4	.99S	.15N	354.2	83.1	.78D	.63N	134.0	31.8	272.7	50.5	30.3	20.9
	-9.6		256.0	42.0	.98S	.22N	355.4	81.7	.66D	.75N	138.6	38.9	272.6	40.7	26.3	25.1
	7.2		260.2	58.4	.99S	.17N	355.4	81.7	.85D	.53N	132.6	28.2	278.5	57.1	34.0	15.6
	-4.8		264.7	50.6	.99S	.12N	359.1	84.7	.77D	.64N	139.7	30.9	275.5	50.1	35.3	22.6
	8.0		248.8	53.3	.96S	.29N	349.0	76.7	.79D	.61N	125.6	35.9	275.5	50.1	24.3	15.1
			CONE A		15 EXA	.24	CONE C		8 EXC	.56			CONE B		10 EXB	.67

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	COMPONENT STRIKE	COMPONENT DIP	PLANE C AZ	PLANE C DIP	COMPONENT STRIKE	COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	93.8	15-1	273.8	71.7	.94S	.34N	10.3	71.0	.94D	.33N	141.9	26.9	323.1	63.1	232.2	.5
			299.4	77.2	.80S	.60N	38.8	54.5	.96D	.27N	163.0	34.6	12.8	51.5	263.5	14.7
ROTATION ABOUT A,C,B AXIS																
	-88.6		299.4	77.2	.58D	.82N	192.0	37.2	.93S	.37N	83.4	46.1	218.3	34.2	325.9	24.0
	27.8		299.4	77.2	.99S	.15N	31.4	81.4	.97D	.22N	165.7	15.2	334.3	74.5	74.9	2.9
	-19.2		286.6	62.2	.75S	.66N	38.8	54.5	.82D	.57N	159.2	47.8	348.5	41.8	254.3	4.6
	12.8		307.0	87.5	.81S	.58N	38.8	54.5	1.00D	.05N	167.0	26.2	33.6	54.4	268.6	22.3
	-25.6		322.3	63.2	.88S	.48N	66.2	64.6	.87D	.50N	194.6	38.5	12.8	51.5	103.9	.9
	12.8		289.1	85.0	.79S	.62N	23.1	52.0	.99D	.11N	148.9	29.8	12.8	51.5	252.3	22.0
			CONE A		35 EXA	.17	CONE C		67 EXC	.67			CONE B		61 EXB	.73

68
* FEBRUARY 4, 1941 H = 14.03.12 9N 124E DEPTH 600 KM. M = 6.9
RITSEMA, A.R. 1959 PUBL. DOM. OBS., 20, 341. DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	COMPONENT STRIKE	COMPONENT DIP	PLANE C AZ	PLANE C DIP	COMPONENT STRIKE	COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		23-2	141	46			285	50					212	19		
	89.9	23-2	155.8	41.8	.22S	.98N	319.2	49.4	.19D	.98N	81.6	80.8	236.4	8.3	327.0	3.8
			150.6	43.8	.13S	.99N	320.2	46.7	.12D	.99N	70.9	84.6	235.2	5.2	325.3	1.5
ROTATION ABOUT A,C,B AXIS																
	-6.2		150.6	43.8	.02S	1.00N	328.8	46.2	.02D	1.00N	112.7	88.5	239.6	.9	329.6	1.2
	3.8		150.6	43.8	.20S	.98N	315.1	47.3	.18D	.98N	65.3	82.0	232.4	7.8	322.6	1.8
	-38.4		98.7	51.6	.48D	.88N	320.2	46.7	.52S	.85N	215.1	67.6	27.6	22.2	118.7	2.6
	28.8		186.8	53.9	.53S	.85N	320.2	46.7	.59D	.81N	66.6	64.4	256.7	25.3	164.8	3.9
	-6.4		151.9	37.5	.15S	.99N	321.2	53.0	.11D	.99N	111.8	80.6	235.2	5.2	325.9	7.8
	0		150.6	43.8	.13S	.99N	320.2	46.7	.12D	.99N	70.9	84.6	235.2	5.2	325.3	1.5
			CONE A		21 EXA	.90	CONE C		8 EXC	.36			CONE B		26 EXB	.85

69
* FEBRUARY 25, 1941 H = 05.37.45 9S 125E DEPTH 150 KM. M = 6.9
RITSEMA, A.R. 1959 PUBL. DOM. OBS., 20, 341. DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		12-2	315	48			218	83					300	47		
	77.0	12-2	301.0	56.5	.98S	.20T	204.4	80.2	.83D	.56T	167.0	15.7	280.3	54.7	67.4	30.7
			288.7	63.8	.99S	.17T	194.4	81.4	.89D	.45T	154.2	11.9	267.8	62.2	58.6	24.7
ROTATION ABOUT A,C,B AXIS																
	-24.6		288.7	63.8	.83S	.56T	182.0	59.8	.86D	.51T	324.5	2.5	231.7	47.9	56.7	42.0
	8.6		288.7	63.8	1.00S	.02T	198.2	89.1	.90D	.44T	156.6	17.5	286.5	63.8	60.4	18.9
	-19.2		285.5	82.7	.99S	.15T	194.4	81.4	.99D	.13T	329.9	.9	235.3	78.7	60.0	11.3
	16.0		292.2	48.0	.98S	.20T	194.4	81.4	.74D	.68T	160.4	21.5	275.2	46.8	54.2	35.3
	-16.0		305.8	67.4	.96S	.29T	209.2	74.6	.92D	.40T	168.6	4.8	267.8	62.2	76.1	27.3
	7.2		280.7	62.8	.99S	.10T	187.9	84.7	.89D	.46T	147.4	14.9	267.8	62.2	50.9	22.9
			CONE A	29	EXA	.34	CONE C	28	EXC	.30			CONE B	34	EXB	.06

70
* MARCH 16, 1941 H = 16.35.13 38.4N 12.1E DEPTH 85 KM.
DI FILIPPO D. AND PERONACI, F. 1959 ANNALI DI GEOFIS., 12, 549.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
DIFILIPPO			338	59			248	90					338	59		
	90.9	25-2	348.0	41.4	.87S	.50T	234.7	70.8	.61D	.79T	208.0	17.3	310.6	35.0	96.4	49.7
			321.2	77.2	.97S	.23T	228.1	76.9	.97D	.23T	4.6	.2	274.0	71.6	94.7	18.4
ROTATION ABOUT A,C,B AXIS																
	-56.6		321.2	77.2	.34S	.94T	199.9	23.6	.83D	.55T	337.3	29.4	235.8	19.5	117.1	53.6
	27.8		321.2	77.2	.97S	.25N	54.4	76.0	.97D	.23N	187.7	19.2	10.4	70.8	278.0	.8
	-51.2		128.1	53.1	.96S	.28N	228.1	76.9	.79D	.62N	4.7	35.8	154.2	50.1	263.3	15.3
	57.6		351.0	23.1	.82S	.58T	228.1	76.9	.33D	.94T	212.6	29.3	313.6	18.8	71.7	54.1
	-8.0		329.1	79.2	.97S	.26T	236.2	75.3	.98D	.19T	12.1	2.7	274.0	71.6	103.0	18.2
	4.8		316.3	76.2	.98S	.21T	223.4	78.1	.97D	.24T	180.1	1.3	274.0	71.6	89.6	18.3
			CONE A	37	EXA	.88	CONE C	33	EXC	.85			CONE B	96	EXB	.22

71
* JUNE 26, 1941 H = 11.52.00 12.5N 92.5E DEPTH 50 KM. M = 8.1
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		35-2	326	85			146	5					56	0		
	94.8	35-2	65.7	58.0	.98S	.20N	161.7	80.5	.84D	.54N	298.5	29.4	86.3	56.3	199.9	14.9
			173.3	1.2	.49D	.87T	324.1	89.0	.01S	1.00T	324.7	44.0	234.1	.6	143.5	46.0
ROTATION ABOUT A,C,B AXIS																
	-27.8		173.3	1.2	.02D	1.00T	351.9	88.8	.00S	1.00T	351.9	43.8	261.9	.0	171.9	46.2
	7.0		173.3	1.2	.59D	.81T	317.1	89.0	.01S	1.00T	317.8	44.0	227.1	.7	136.4	45.9
	-57.6		233.5	58.2	1.00D	.02T	324.1	89.0	.85S	.53T	4.2	21.1	235.8	58.2	103.5	22.7
	51.2		54.9	50.6	1.00S	.02T	324.1	89.0	.77D	.63T	286.7	25.8	52.8	50.6	182.1	27.5
	-14.4		146.2	15.4	.04D	1.00T	324.0	74.6	.01S	1.00T	324.4	29.6	234.1	.6	143.1	60.4
	.1		175.8	1.1	.53D	.85T	324.1	89.1	.01S	1.00T	324.7	44.1	234.1	.6	143.5	45.9
			CONE A	40	EXA	.87	CONE C	22	EXC	.58			CONE B	62	EXB	.68

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	92.8	35-2	320.4	86.3	.19S	.98T	212.2	11.7	.95D	.32T	330.7	40.3	231.1	11.1	128.7	47.6
			324.2	89.0	.05S	1.00T	214.4	2.8	.94D	.34T	326.8	43.9	234.2	2.7	141.4	45.9
ROTATION ABOUT A,C,B AXIS																
	-50.2		324.2	89.0	.74D	.68T	55.1	47.5	1.00S	.02T	288.1	27.7	53.1	47.5	180.9	29.3
	50.2		324.2	89.0	.80S	.60T	233.5	52.9	1.00D	.02T	2.4	24.5	235.4	52.9	105.2	26.0
	-64.0		80.2	88.0	.04S	1.00N	214.4	2.8	.72D	.70N	262.3	47.0	170.2	2.0	78.3	43.0
	28.8		353.0	87.9	.03S	1.00T	214.4	2.8	.66D	.75T	354.8	42.9	263.0	1.9	171.0	47.1
	-0.1		324.2	89.1	.05S	1.00T	216.4	2.8	.95D	.31T	326.8	44.0	234.2	2.7	141.4	45.8
	16.0		323.4	73.1	.05S	1.00T	152.9	17.2	.16D	.99T	325.6	28.0	234.2	2.7	139.2	61.8
			CONE A	39 EXA	.83		CONE C	40 EXC	.84				CONE B	97 EXB	.08	

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* SEPTEMBER 4, 1941 H = 10.21.44 4.5S 154E DEPTH 100 KM. M = 7.1
RITSEMA, A.R. 1959 PUBL. DOM. OBS., 20, 341. DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		30-5	28	65			283	62					332	50		
	85.7	31-5	11.0	74.4	.90S	.43T	273.7	65.4	.96D	.30T	50.9	6.0	310.3	60.3	144.2	29.0
			12.5	72.1	.88S	.47T	273.3	63.6	.94D	.34T	51.3	5.6	312.6	57.3	144.8	32.1
ROTATION ABOUT A,C,B AXIS																
	-4.6		12.5	72.1	.84S	.54T	271.4	59.3	.93D	.36T	49.6	8.2	308.3	53.5	145.5	35.3
	1.8		12.5	72.1	.90S	.44T	273.9	65.3	.94D	.34T	52.0	4.5	314.6	58.8	144.7	30.8
	-4.0		10.5	75.7	.89S	.46T	273.3	63.6	.96D	.28T	50.0	8.0	306.2	59.4	144.6	29.3
	7.2		16.1	65.8	.87S	.49T	273.3	63.6	.89D	.46T	54.4	1.4	322.5	52.8	145.4	37.2
	-4.0		16.1	74.0	.88S	.48T	277.5	62.3	.95D	.31T	54.7	7.7	312.6	57.3	149.5	31.6
	5.6		7.2	69.6	.90S	.44T	267.5	65.7	.92D	.38T	46.6	2.6	312.6	57.3	138.2	32.6
			CONE A	10 EXA	.14		CONE C	8 EXC	.33				CONE B	8 EXB	.43	

73
* SEPTEMBER 17, 1941 H = 06.48.04 0.1N 122.7E DEPTH 220 KM. M = 7.
RITSEMA, A.R. 1956 LEM. MET. GEOFIS. VER. NO. 50.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		34	270	66			165	60					212	50		
	96.6	34-1	170.1	62.3	.93S	.36N	270.4	71.3	.87D	.49N	42.5	33.8	210.0	55.6	308.6	5.9
			162.3	53.8	.75S	.66N	279.5	58.0	.72D	.70N	43.2	52.4	218.1	37.5	310.0	2.5
ROTATION ABOUT A,C,B AXIS																
	-3.0		162.3	53.8	.72S	.70N	282.0	55.9	.70D	.71N	43.5	54.6	220.9	35.4	311.8	1.2
	21.4		162.3	53.8	.94S	.34N	264.2	74.2	.79D	.61N	39.3	37.5	193.4	49.5	299.1	13.0
	-1.2		161.3	52.9	.75S	.66N	279.5	58.0	.70D	.71N	43.3	53.2	217.1	36.6	309.3	3.0
	11.2		170.5	62.5	.80S	.60N	279.5	58.0	.84D	.54N	43.3	44.5	228.8	45.4	136.0	2.8
	-1.0		163.2	53.1	.76S	.65N	280.3	58.7	.71D	.70N	44.9	52.3	218.1	37.5	310.6	3.3
	2.4		160.1	55.4	.74S	.67N	277.4	56.3	.73D	.68N	39.2	52.5	218.1	37.5	308.5	.5
			CONE A	6 EXA	.73		CONE C	9 EXC	.86				CONE B	17 EXB	.49	

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* NOVEMBER 25, 1941 H = 18.03.55 37.4N 19.0W DEPTH NORMAL
DI FILIPPO D. 1950 ANNALI DI GEOFIS., 3, 263. SCHEIDEGGER, A.E. 1955 TRANS. ROY. SOC. CAN., SEC 4, 49, 65.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
DIFILIPPO			357	90			87	70					87	70		
	100.0	46-0	86.2	71.8	.99S	.12N	178.3	83.5	.95D	.31N	313.6	17.5	107.2	70.6	221.0	8.1
			86.3	72.0	.99S	.12N	178.4	83.5	.95D	.31N	313.6	17.4	107.4	70.8	221.1	8.0
ROTATION ABOUT A,C,B AXIS																
	0		86.3	72.0	.99S	.12N	178.4	83.5	.95D	.31N	313.6	17.4	107.4	70.8	221.1	8.0
	13.4		86.3	72.0	.99S	.11T	354.2	83.7	.95D	.31T	311.6	8.1	65.8	70.8	219.1	17.3
	-11.2		84.7	60.8	.99S	.13N	178.4	83.5	.87D	.49N	315.4	25.1	99.7	60.0	218.1	15.3
	2.8		86.6	74.7	.99S	.12N	178.4	83.5	.96D	.26N	313.3	15.4	110.7	73.4	221.7	6.1
	-5.6		92.1	71.4	1.00S	.09N	183.7	85.3	.95D	.32N	319.4	16.4	107.4	70.8	226.6	9.6
	8.0		78.0	73.1	.99S	.16N	170.7	81.1	.96D	.29N	305.3	18.3	107.4	70.8	213.5	5.5
			CONE A		14 EXA	.03	CONE C		13 EXC	.01			CONE B		14 EXB	.04

75
* NOVEMBER 27, 1941 H = 08.37.34 6.6S 121.1E DEPTH 475 KM. M = 6.7
RITSEMA, A.R. 1956 LEM. MET. GEOFIS. VER. NO. 50.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		21	317	73			203	37					238	32		
	100.0	21-0	304.8	65.6	.45S	.89T	175.8	35.7	.71D	.71T	324.4	16.4	226.7	24.4	84.9	60.0
			304.8	65.6	.45S	.89T	175.8	35.7	.71D	.71T	324.4	16.4	226.7	24.4	84.9	60.0
ROTATION ABOUT A,C,B AXIS																
	-0.6		304.8	65.6	.44S	.90T	175.0	35.3	.70D	.71T	324.0	16.5	226.4	23.9	85.4	60.3
	31.0		304.8	65.6	.85S	.53T	200.4	61.1	.88D	.47T	341.8	2.8	248.3	50.5	74.1	39.4
	-28.8		279.0	80.6	.57S	.82T	175.8	35.7	.96D	.28T	305.9	27.3	195.5	34.1	65.4	43.6
	22.4		328.6	57.4	.27S	.96T	175.8	35.7	.38D	.92T	339.7	11.1	247.1	13.0	109.1	72.7
	-4.8		307.1	69.9	.44S	.90T	182.1	32.5	.77D	.64T	326.6	20.7	226.7	24.4	92.2	57.1
	1.6		304.0	64.2	.46S	.89T	173.9	36.9	.69D	.73T	323.7	14.9	226.7	24.4	82.2	60.9
			CONE A		18 EXA	.88	CONE C		14 EXC	.80			CONE B		40 EXB	.38

76
* APRIL 8, 1942, H = 15.40.24 13.2N 120.5E DEPTH NORMAL M = 7.7
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		29-6	170	88			261	70					255	70		
	86.7	29-4	81.0	78.1	.94S	.33T	346.9	71.2	.98D	.22T	123.1	4.7	21.6	67.5	215.0	21.9
			81.0	78.1	.94S	.33T	346.9	71.2	.98D	.22T	123.1	4.7	21.6	67.5	215.0	21.9
ROTATION ABOUT A,C,B AXIS																
	-5.4		81.0	78.1	.91S	.42T	345.6	65.9	.97D	.23T	121.5	8.2	15.2	62.8	215.5	25.7
	.4		81.0	78.1	.95S	.32T	347.0	71.6	.98D	.22T	123.2	4.4	22.2	67.8	215.0	21.7
	-9.6		77.9	87.2	.95S	.32T	346.9	71.2	1.00D	.05T	121.0	11.1	356.1	71.0	214.0	15.2
	1.0		81.3	77.2	.94S	.33T	346.9	71.2	.97D	.23T	123.5	4.1	23.8	66.9	215.2	22.7
	-0.4		81.4	78.2	.94S	.33T	347.3	71.1	.98D	.22T	123.4	4.8	21.6	67.5	215.3	21.9
	.7		80.3	77.9	.94S	.33T	346.2	71.3	.98D	.22T	122.5	4.5	21.6	67.5	214.4	22.0
			CONE A		3 EXA	.90	CONE C		3 EXC	.81			CONE B		8 EXB	.45

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	82.0	29-5	261.6	56.8	.82S	.58T	150.3	61.0	.78D	.63T	116.8	2.5	209.2	43.0	24.1	46.9
			264.6	56.1	.79S	.61T	151.3	59.6	.76D	.65T	118.7	2.1	210.5	41.1	26.3	48.8
ROTATION ABOUT A,C,B AXIS																
	-88.6		264.6	56.1	.59D	.81T	31.8	47.9	.66S	.75T	239.8	4.6	332.4	29.4	141.8	60.2
	6.2		264.6	56.1	.85S	.52T	155.8	64.4	.79D	.62T	121.9	5.1	217.0	45.1	26.8	44.4
	-2.4		262.8	58.0	.80S	.60T	151.3	59.6	.79D	.61T	117.3	1.0	208.2	42.9	26.3	47.1
	.9		265.2	55.4	.79S	.62T	151.3	59.6	.75D	.66T	119.1	2.5	211.2	40.5	26.1	49.4
	-2.0		266.4	57.4	.78S	.62T	153.1	58.3	.77D	.63T	120.0	.5	210.5	41.1	29.4	48.9
	.9		263.7	55.6	.80S	.60T	150.5	60.1	.76D	.65T	118.1	2.7	210.5	41.1	25.1	48.8
			CONE A	3 EXA	.12		CONE C	17 EXC	.97				CONE B	18 EXB	.97	

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* APRIL 20, 1942 H = 08.40.25 33.0N 137.8E DEPTH 350KM M = 6.5
HONDA, H. AND MASATSUKA, A. 1952 SCI. REP. TOHOKU UN. SER. 5, 4, 42.
RITSEMA, A.R. 1964 PURE AND APPLIED GEOPHYS., 59, 58 DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HONDA											280	45				
RITSEMA			255	70			115	26					171	15		
	98.1	48-1	253.5	77.4	.32S	.95T	130.4	22.2	.82D	.58T	268.5	30.0	167.7	18.0	51.2	54.0
			248.5	67.7	.14D	.99T	48.4	23.5	.32S	.95T	242.5	22.3	335.5	7.3	82.5	66.4
ROTATION ABOUT A,C,B AXIS																
	-4.6		248.5	67.7	.22D	.98T	38.2	25.4	.47S	.88T	239.0	21.7	333.7	11.6	89.9	65.1
	37.4		248.5	67.7	.49S	.87T	124.7	36.3	.77D	.64T	269.9	17.5	170.6	27.1	28.9	56.9
	-2.4		245.9	67.4	.12D	.99T	48.4	23.5	.28S	.96T	240.7	22.1	333.3	6.4	78.5	66.9
	16.0		265.3	70.8	.24D	.97T	48.4	23.5	.57S	.82T	254.6	24.6	350.7	13.1	106.3	61.7
	-1.8		248.3	69.5	.14D	.99T	46.8	21.8	.34S	.94T	242.2	24.1	335.5	7.3	81.2	64.7
	7.2		249.7	60.6	.15D	.99T	52.9	30.5	.25S	.97T	243.5	15.2	335.5	7.3	90.4	73.1
			CONE A	13 EXA	.51		CONE C	19 EXC	.79				CONE B	28 EXB	.56	

78

* MAY 28, 1942 H = 01.01.48 0 124E DEPTH 100 KM. M = 7.5
RITSEMA, A.R. 1959 PUBL. DOM. OBS., 20, 341. DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		31-5	300	75			32	82					329	73		
	80.4	34-6	283.6	70.9	.96S	.27T	188.5	75.4	.94D	.34T	146.7	3.0	243.4	65.6	55.3	24.2
			332.2	19.6	.19S	.98T	164.1	70.8	.07D	1.00T	161.0	25.7	252.8	3.7	350.4	64.0
ROTATION ABOUT A,C,B AXIS																
	-31.0		332.2	19.6	.34D	.94T	131.3	71.6	.12S	.99T	136.7	26.3	43.5	6.5	300.7	62.8
	37.4		332.2	19.6	.75S	.66T	202.5	77.2	.26D	.97T	190.2	30.6	289.1	14.6	41.3	55.4
	-64.0		261.7	69.2	.94S	.35T	164.1	70.8	.93D	.38T	123.1	1.1	215.0	61.1	32.5	28.9
	64.0		63.4	61.9	.93D	.37T	164.1	70.8	.87S	.50T	202.1	5.8	103.8	54.9	296.1	34.5
	-7.2		335.3	26.7	.14S	.99T	164.6	63.6	.07D	1.00T	161.6	18.5	252.8	3.7	353.7	71.1
	11.2		318.1	8.8	.42S	.91T	163.3	82.0	.07D	1.00T	160.0	36.9	252.8	3.7	347.7	52.9
			CONE A	49 EXA	.86		CONE C	35 EXC	.73				CONE B	94 EXB	.47	

79
* JULY 25, 1942 H = 06.22.35 11.5N 124.5E DEPTH 100 KM. M = 6.7
RITSEMA, A.R. 1959 PUBL. DOM. OBS., 20, 341. DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		19-3	113	77			20	78					68	72		
	89.7	18-2	41.1	85.0	.99S	.10N	131.6	84.1	1.00D	.09N	266.4	7.7	91.1	82.3	356.4	.6
			41.1	85.0	.99S	.10N	131.6	84.1	1.00D	.09N	266.4	7.7	91.1	82.3	356.4	.6
ROTATION ABOUT A,C,B AXIS																
	-18.2		41.1	85.0	.91S	.41N	133.3	66.0	1.00D	.09N	264.7	20.5	120.1	65.4	359.6	13.1
	3.0		41.1	85.0	1.00S	.05N	131.3	87.1	1.00D	.09N	266.3	5.5	71.4	84.3	176.2	1.5
	-1.0		40.9	84.0	.99S	.10N	131.6	84.1	.99D	.10N	266.4	8.4	85.9	81.6	176.4	.1
	.3		41.1	85.3	.99S	.10N	131.6	84.1	1.00D	.08N	266.4	7.5	92.9	82.5	356.5	.8
	-2.4		43.4	84.8	1.00S	.10N	134.0	84.3	1.00D	.09N	268.5	7.7	91.1	82.3	358.5	.4
	.7		40.4	85.1	.99S	.10N	130.9	84.1	1.00D	.09N	265.8	7.7	91.1	82.3	355.9	.7
			CONE A	2 EXA	.58		CONE C	8 EXC	.85				CONE B	5 EXB	.94	

80
* JULY 29, 1942 H = 22.49.13 2.7S 127.7E DEPTH NORMAL M = 7
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		20-2	360	50			180	40					90	0		
	96.3	20-1	82.6	73.9	1.00S	.08N	173.9	85.4	.96D	.28N	309.3	14.7	99.4	73.2	217.2	8.0
			83.2	72.6	1.00S	.09N	174.8	84.8	.95D	.30N	310.2	16.0	100.8	71.8	217.7	8.5
ROTATION ABOUT A,C,B AXIS																
	-18.2		83.2	72.6	.92S	.40N	180.6	67.5	.95D	.32N	310.8	28.8	138.8	61.0	42.7	3.4
	.6		83.2	72.6	1.00S	.08N	174.6	85.4	.95D	.30N	310.2	15.5	99.0	72.0	217.8	8.9
	-0.4		83.1	72.2	1.00S	.09N	174.8	84.8	.95D	.31N	310.2	16.3	100.4	71.4	217.6	8.8
	2.4		83.4	75.0	1.00S	.09N	174.8	84.8	.97D	.26N	309.9	14.3	103.3	74.1	218.1	6.8
	-2.4		85.7	72.4	1.00S	.08N	177.1	85.5	.95D	.30N	312.6	15.6	100.8	71.8	220.0	9.1
	.3		82.9	72.6	1.00S	.10N	174.5	84.7	.95D	.30N	309.9	16.0	100.8	71.8	217.4	8.4
			CONE A	3 EXA	.04		CONE C	7 EXC	.86				CONE B	7 EXB	.85	

81
* DECEMBER 20, 1942 H = 14.03.03 40.7N 36.6E DEPTH NORMAL
DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	92.4	25-2	74.6	56.8	.75S	.67T	318.5	56.1	.75D	.66T	106.4	.4	16.1	38.6	196.9	51.4
			96.2	40.4	.53S	.85T	315.5	56.6	.41D	.91T	298.5	8.6	31.6	20.0	186.4	68.1
ROTATION ABOUT A,C,B AXIS																
	-18.2		96.2	40.4	.24S	.97T	293.9	51.0	.20D	.98T	285.9	5.4	16.7	8.8	164.8	79.7
	1.4		96.2	40.4	.55S	.84T	317.0	57.2	.42D	.91T	299.4	8.9	32.8	20.8	187.4	67.2
	-32.0		65.7	62.3	.78S	.62T	315.5	56.6	.83D	.56T	99.3	3.5	6.0	43.9	192.9	45.9
	89.6		211.3	69.7	.81D	.59T	315.5	56.6	.91S	.42T	175.9	8.3	275.7	49.4	79.1	39.4
	-8.0		102.0	47.4	.47S	.89T	319.8	49.4	.45D	.89T	301.2	1.1	31.6	20.0	208.3	70.0
	.1		96.2	40.3	.53S	.85T	315.4	56.7	.41D	.91T	298.4	8.7	31.6	20.0	186.1	68.0
			CONE A	31 EXA	.93		CONE C	13 EXC	.59				CONE B	49 EXB	.84	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	92.2	25-2	36.1	70.9	.76S	.65T	290.4	52.0	.91D	.42T	69.4	11.8	327.0	45.8	170.1	41.8
			40.2	68.4	.75S	.67T	291.9	51.8	.88D	.47T	72.6	10.2	332.6	43.9	172.7	44.3
ROTATION ABOUT A,C,B AXIS																
	-2.6		40.2	68.4	.72S	.70T	290.3	49.5	.87D	.49T	71.2	11.5	330.8	41.7	173.4	46.0
	.8		40.2	68.4	.76S	.66T	292.4	52.5	.89D	.46T	73.0	9.8	333.2	44.6	172.5	43.7
	-4.8		36.8	72.0	.76S	.65T	291.9	51.8	.92D	.39T	70.2	12.7	326.7	46.2	171.5	41.0
	.5		40.5	68.0	.74S	.67T	291.9	51.8	.88D	.48T	72.8	9.9	333.2	43.7	172.8	44.6
	-1.6		41.4	69.4	.74S	.67T	293.8	51.0	.89D	.45T	73.7	11.3	332.6	43.9	174.8	43.9
	.3		39.9	68.2	.75S	.66T	291.6	51.9	.88D	.47T	72.4	10.0	332.6	43.9	172.3	44.4
			CONE A		3 EXA	.64	CONE C		3 EXC	.44			CONE B		4 EXB	.36

82
* APRIL 1, 1943 H = 14.18.12 6.5S 106E DEPTH NORMAL M = 7
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		8-0	6	65			135	36					84	24		
	92.8	8-0	152.1	27.1	.79S	.61T	27.5	73.8	.37D	.93T	10.4	25.6	111.1	21.1	235.7	55.8
			155.1	51.9	.54S	.84T	21.0	48.4	.57D	.82T	177.5	1.9	86.6	25.0	271.6	64.9
ROTATION ABOUT A,C,B AXIS																
	-63.0		155.1	51.9	.51D	.86T	291.4	47.3	.54S	.84T	134.1	2.5	225.2	23.6	38.5	66.3
	63.0		155.1	51.9	1.00S	.10N	248.5	85.7	.79D	.62N	29.0	29.3	164.0	51.6	285.5	22.5
	-76.8		276.6	74.3	.72S	.69N	21.0	48.4	.93D	.36N	139.6	41.4	350.7	44.2	244.3	16.1
	76.8		255.0	56.5	.60D	.80T	21.0	48.4	.67S	.74T	229.6	4.5	322.3	30.3	132.0	59.3
	-11.2		161.9	61.6	.48S	.88T	31.0	39.5	.66D	.75T	182.3	12.1	86.6	25.0	295.9	61.9
	19.2		138.0	36.8	.71S	.71T	9.2	64.9	.47D	.88T	349.2	15.4	86.6	25.0	230.6	60.0
			CONE A		68 EXA	.80	CONE C		62 EXC	.76			CONE B		139 EXB	.18

83
* MAY 25, 1943 H = 23.07.36 7.5N 127.5E DEPTH NORMAL M = 7.9
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		24-6	215	79			308	75					271	71		
	73.1	24-6	235.0	90.0	1.00S	.09T	145.0	85.0	1.00D	0T	279.9	3.5	145.0	85.0	10.1	3.5
			235.8	89.5	.89S	.45T	145.6	63.3	1.00D	.01T	277.4	18.1	146.7	63.3	13.8	18.9
ROTATION ABOUT A,C,B AXIS																
	-27.8		235.8	89.5	1.00S	.02N	325.8	88.9	1.00D	.01N	102.1	1.1	302.7	88.8	192.1	.4
	6.2		235.8	89.5	.84S	.54T	145.5	57.1	1.00D	.01T	275.6	22.2	146.5	57.1	15.6	23.0
	-0.5		236.0	89.1	.89S	.45T	145.6	63.3	1.00D	.02T	277.6	17.8	147.8	63.3	14.0	19.2
	1.4		55.2	89.2	.89S	.45N	145.6	63.3	1.00D	.02N	277.2	19.1	143.6	63.3	13.6	17.9
	-1.4		57.0	89.8	.89S	.45N	147.1	63.3	1.00D	0N	278.9	18.7	146.7	63.3	15.4	18.4
	.5		235.4	89.3	.89S	.45T	145.0	63.3	1.00D	.01T	276.9	18.0	146.7	63.3	13.4	19.0
			CONE A		2 EXA	.00	CONE C		8 EXC	.94			CONE B		8 EXB	.94

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	73.1	24-6	48.8	40.1	.89S	.46T	297.4	72.9	.60D	.80T	270.7	19.4	15.0	35.0	157.2	48.5
			92.1	29.6	.29D	.96T	253.1	61.8	.16S	.99T	259.9	16.3	167.5	8.1	52.0	71.7
ROTATION ABOUT A,C,B AXIS																
	-31.0		92.1	29.6	.74D	.67T	220.5	70.6	.39S	.92T	237.7	22.3	138.4	21.4	9.2	58.2
	43.8		92.1	29.6	.46S	.89T	302.6	64.0	.25D	.97T	291.9	17.8	26.1	13.0	150.4	67.7
	-51.2		10.8	49.1	.78S	.63T	253.1	61.8	.67D	.74T	224.7	7.4	320.1	36.1	124.8	52.9
	64.0		155.0	75.3	.87D	.49T	253.1	61.8	.96S	.29T	116.3	8.9	220.6	57.5	20.9	31.0
	-12.8		86.6	42.0	.21D	.98T	250.4	49.2	.19S	.98T	258.0	3.6	167.5	8.1	12.0	81.1
	19.2		118.2	12.3	.66D	.75T	256.2	80.8	.14S	.99T	263.3	35.3	167.5	8.1	66.4	53.5
			CONE A	61 EXA	.72		CONE C	49 EXC	.57				CONE B	93 EXB	.35	

84
* JUNE 20, 1943 H = 15.32.50 40.8N 30.4E DEPTH NORMAL
DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	97.8	23-1	262.3	78.6	1.00S	.04T	171.9	87.9	.98D	.20T	127.7	6.5	251.6	78.4	36.5	9.5
			88.3	82.9	1.00S	0T	358.3	89.9	.99D	.12T	313.5	5.0	87.5	82.8	223.1	5.2
ROTATION ABOUT A,C,B AXIS																
	-63.0		88.3	82.9	.46S	.89N	192.0	28.0	.96D	.27N	295.7	45.4	174.7	26.9	65.9	32.5
	3.8		88.3	82.9	1.00S	.07T	357.8	86.1	.99D	.12T	313.6	2.2	59.6	81.9	223.3	7.8
	-0.1		88.3	82.8	1.00S	0T	358.3	89.9	.99D	.13T	313.5	5.0	87.5	82.8	223.1	5.2
	38.4		268.2	58.7	1.00S	0N	358.3	89.9	.85D	.52N	138.1	21.5	268.4	58.7	39.1	21.6
	-3.6		91.9	82.9	1.00S	.01T	1.9	89.5	.99D	.12T	316.8	4.7	87.5	82.8	226.3	5.4
	4.0		84.3	82.9	1.00S	.01N	174.3	89.6	.99D	.12N	309.5	5.4	87.5	82.8	219.0	4.8
			CONE A	17 EXA	.80		CONE C	23 EXC	.89				CONE B	51 EXB	.42	

85
* JUNE 30, 1943 H = 10.49.02 7S 122E DEPTH 725 KM. M = 6.7
RITSEMA, A.R. 1959 PUBL. DOM. OBS., 20, 341. DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		7-0	98	70			360	70					49	61		
	100.0	8-0	69.6	78.3	.89S	.46T	333.6	63.1	.97D	.23T	109.2	10.2	.9	60.3	204.6	27.6
			69.5	78.3	.88S	.47T	333.4	62.8	.97D	.23T	109.1	10.4	.6	60.0	204.6	27.8
ROTATION ABOUT A,C,B AXIS																
	-75.8		69.5	78.3	.24D	.97T	199.5	17.9	.75S	.66T	58.2	32.0	156.7	13.3	266.2	54.7
	21.4		69.5	78.3	.99S	.11T	338.2	83.7	.98D	.20T	294.3	3.8	40.5	76.7	203.5	12.7
	-9.6		65.1	86.8	.89S	.46T	333.4	62.8	1.00D	.06T	106.1	16.5	341.3	62.6	202.7	21.3
	.1		69.6	78.2	.88S	.47T	333.4	62.8	.97D	.23T	109.1	10.3	.8	59.9	204.6	27.9
	-8.0		76.7	82.1	.87S	.49T	342.3	61.3	.99D	.16T	116.3	14.0	.6	60.0	213.3	25.9
	.2		69.4	78.2	.88S	.47T	333.2	62.8	.97D	.23T	108.9	10.3	.6	60.0	204.4	27.8
			CONE A	9 EXA	.15		CONE C	28 EXC	.92				CONE B	31 EXB	.90	

86
* NOVEMBER 6, 1943 H = 08.31.34 5.7S 134E DEPTH NORMAL
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		14-1	285	70			25	64					342	56		
	90.7	14-1	291.1	80.5	.98S	.18N	22.8	79.6	.99D	.17N	156.9	14.2	339.5	75.8	247.0	.6
			298.0	73.8	.21S	.98N	80.1	20.2	.59D	.81N	135.0	59.4	24.5	11.7	288.2	27.8
ROTATION ABOUT A,C,B AXIS																
	-63.0		298.0	73.8	.77D	.63N	195.1	52.6	.94S	.35N	73.3	38.8	226.8	48.1	332.2	13.4
	63.0		298.0	73.8	.97S	.25N	32.2	75.8	.96D	.29N	165.3	21.8	341.3	68.2	74.7	1.4
	-44.8		250.9	70.0	.06D	1.00N	80.1	20.2	.15S	.99N	65.5	64.9	161.9	3.0	253.3	24.9
	32.0		329.4	82.6	.32S	.95N	80.1	20.2	.93D	.37N	169.8	49.0	56.9	18.7	313.2	34.9
	-11.2		300.6	62.9	.23S	.97N	93.4	30.0	.41D	.91N	147.6	69.3	24.5	11.7	290.9	16.9
	8.0		296.3	81.6	.21S	.98N	61.0	14.5	.81D	.58N	129.9	52.0	24.5	11.7	286.0	35.5
			CONE A		38 EXA	.75	CONE C		49 EXC	.85			CONE B		98 EXB	.39

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	94.4	14-1	300.2	82.6	.58S	.82N	40.5	36.0	.98D	.22N	153.3	41.5	25.0	35.0	272.4	28.7
			309.1	82.6	.46S	.89N	53.0	28.3	.96D	.27N	156.8	45.5	35.3	27.2	286.5	32.1
ROTATION ABOUT A,C,B AXIS																
	-88.6		309.1	82.6	.88D	.48N	215.1	61.4	.99S	.15N	85.7	25.4	232.2	60.3	348.8	14.3
	43.8		309.1	82.6	.95S	.32N	41.6	71.4	.99D	.14N	174.1	18.4	18.4	69.9	266.7	7.7
	-12.8		297.5	76.9	.43S	.90N	53.0	28.3	.88D	.48N	146.7	51.5	21.4	24.7	277.5	27.5
	44.8		169.1	76.7	.43S	.90T	53.0	28.3	.87D	.49T	189.0	27.4	85.3	24.5	320.0	51.7
	-19.2		318.7	65.8	.50S	.87N	84.0	37.9	.74D	.67N	180.6	58.0	35.3	27.2	297.1	15.6
	9.6		124.7	88.8	.46S	.89T	32.5	27.2	1.00D	.04T	148.9	37.9	35.3	27.2	279.7	40.1
			CONE A		41 EXA	.50	CONE C		62 EXC	.78			CONE B		87 EXB	.56

87
* NOVEMBER 17, 1943 H = 14.57.25 33.0N 137.8E DEPTH 350 KM. M = 7
HONDA, H. AND MASATSUKA, A. 1952 SCI. REP. TOHOKU UN. SER. 5, 4, 42.
RITSEMA, A.R. 1964 PURE AND APPLIED GEOPHYS., 59, 58 DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HONDA											285	45				
RITSEMA			280	90			190	20					190	20		
	94.7	39-2	267.5	79.0	.38S	.92T	152.7	24.9	.89D	.45T	285.7	30.4	182.0	22.0	62.1	50.9
			273.8	85.9	.25S	.97T	168.2	14.8	.96D	.28T	286.7	39.3	184.8	14.2	78.9	47.2
ROTATION ABOUT A,C,B AXIS																
	-3.8		273.8	85.9	.18S	.98T	162.7	11.2	.93D	.37T	283.4	40.0	184.5	10.4	82.7	48.1
	18.2		273.8	85.9	.54S	.84T	177.4	32.7	.99D	.13T	300.7	33.0	186.4	32.3	64.0	40.3
	-12.8		261.4	89.2	.25S	.97T	168.2	14.8	1.00D	.06T	275.5	42.4	171.6	14.8	66.9	43.9
	4.8		278.5	84.8	.24S	.97T	168.2	14.8	.93D	.36T	290.9	38.3	189.7	13.8	83.6	48.4
	-9.6		96.1	84.8	.25S	.97N	205.9	15.2	.94D	.35N	291.3	48.3	184.8	14.2	83.3	38.2
	3.6		272.9	82.4	.25S	.97T	155.6	16.1	.88D	.47T	285.3	35.8	184.8	14.2	76.9	50.6
			CONE A		15 EXA	.25	CONE C		17 EXC	.40			CONE B		20 EXB	.20

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* NOVEMBER 26, 1943 H = 22.20.32 40.5N 34.0E DEPTH NORMAL

DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	89.9	28-3	91.3	82.6	.96S	.29T	359.1	73.4	.99D	.13T	134.3	6.4	24.5	71.7	226.2	17.1
			89.2	82.5	.96S	.28T	357.0	73.7	.99D	.14T	132.2	6.1	22.9	72.0	224.1	16.9
ROTATION ABOUT A,C,B AXIS																
	-7.0		89.2	82.5	.92S	.40T	356.0	66.8	.99D	.14T	130.5	10.8	15.9	65.5	224.9	21.7
	6.2		89.2	82.5	.98S	.18T	357.8	79.9	.99D	.13T	133.3	1.9	34.9	77.4	223.7	12.5
	-5.6		87.6	87.9	.96S	.28T	357.0	73.7	1.00D	.04T	131.2	9.9	4.7	73.6	223.5	12.9
	12.8		93.0	70.3	.95S	.30T	357.0	73.7	.94D	.35T	315.5	2.3	50.2	64.0	224.4	25.9
	-2.4		91.5	83.2	.96S	.29T	359.5	73.4	.99D	.12T	134.5	6.8	22.9	72.0	226.5	16.6
	6.4		83.0	80.8	.96S	.27T	350.4	74.7	.99D	.17T	126.1	4.2	22.9	72.0	217.4	17.5
			CONE A	13 EXA	.52		CONE C	11 EXC	.33				CONE B	16 EXB	.28	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	87.8	28-4	277.8	88.4	.97S	.24N	8.2	76.3	1.00D	.03N	142.2	10.8	1.3	76.2	233.8	8.5
			275.8	89.3	1.00S	.07N	5.8	86.1	1.00D	.01N	141.2	3.3	356.1	86.0	231.3	2.3
ROTATION ABOUT A,C,B AXIS																
	-15.0		275.8	89.3	.95S	.32N	6.0	71.1	1.00D	.01N	139.4	13.7	3.8	71.1	232.5	12.7
	3.0		275.8	89.3	1.00S	.02N	5.8	89.1	1.00D	.01N	142.4	1.1	329.5	88.9	232.4	.1
	-16.0		274.6	73.4	1.00S	.07N	5.8	86.1	.96D	.29N	141.4	14.5	288.6	72.9	49.1	8.9
	19.2		97.1	71.5	1.00S	.07T	5.8	86.1	.95D	.32T	322.8	10.1	84.3	71.1	229.9	15.8
	-4.0		279.7	89.1	1.00S	.07N	9.8	86.2	1.00D	.02N	144.4	3.4	356.1	86.0	234.5	2.1
	4.0		271.8	89.6	1.00S	.07N	1.8	86.1	1.00D	.01N	136.9	3.1	356.1	86.0	227.0	2.5
			CONE A	17 EXA	.77		CONE C	12 EXC	.56				CONE B	25 EXB	.49	

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* DECEMBER 1, 1943 H = 06.04.55 4.5S 144E DEPTH 100 KM. M = 7.2

RITSEMA, A.R. 1959 PUBL. DOM. OBS., 20, 341. DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		21-4	260	78			351	83					290	76		
	76.3	24-5	264.3	89.8	.99S	.13N	354.3	82.7	1.00D	0N	129.0	5.3	352.7	82.7	219.5	5.0
			264.8	89.8	.99S	.13N	354.9	82.5	1.00D	0N	129.5	5.4	353.2	82.5	220.0	5.2
ROTATION ABOUT A,C,B AXIS																
	-0.2		264.8	89.8	.99S	.13N	354.9	82.3	1.00D	0N	129.4	5.6	353.2	82.3	220.0	5.3
	.4		264.8	89.8	.99S	.12N	354.8	82.9	1.00D	0N	129.5	5.2	353.1	82.9	219.9	4.9
	-2.8		264.5	87.0	.99S	.13N	354.9	82.5	1.00D	.05N	129.3	7.4	332.7	82.0	219.8	3.1
	4.8		85.4	85.5	.99S	.13T	354.9	82.5	1.00D	.08T	130.4	2.1	26.6	81.3	220.7	8.4
	-0.2		265.0	89.8	.99S	.13N	355.1	82.5	1.00D	0N	129.5	5.4	353.2	82.5	220.0	5.2
	5.6		79.3	89.5	.99S	.13T	349.2	82.6	1.00D	.01T	124.1	4.9	353.2	82.5	214.6	5.6
			CONE A	7 EXA	.24		CONE C	2 EXC	.90				CONE B	2 EXB	.92	

90
* FEBRUARY 1, 1944 H = 03.22.38 41.5N 32.4E DEPTH NORMAL
DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	92.7	29-3	62.4	79.6	.90S	.44T	327.4	64.5	.98D	.20T	102.7	10.2	352.8	62.2	197.6	25.6
			62.5	79.6	.90S	.43T	327.6	64.8	.98D	.20T	102.8	10.0	353.1	62.5	197.6	25.3
ROTATION ABOUT A,C,B AXIS																
	-0.4		62.5	79.6	.90S	.44T	327.5	64.5	.98D	.20T	102.7	10.2	352.8	62.1	197.6	25.7
	4.6		62.5	79.6	.93S	.36T	328.6	69.4	.98D	.19T	104.1	7.0	357.6	66.7	196.9	22.1
	-7.2		59.4	86.1	.90S	.43T	327.6	64.8	1.00D	.07T	100.8	14.6	337.6	64.5	196.4	20.4
	32.0		79.6	51.5	.84S	.54T	327.6	64.8	.73D	.69T	296.5	8.0	33.5	41.1	197.6	47.8
	-0.4		62.9	79.8	.90S	.43T	328.0	64.8	.98D	.20T	103.2	10.1	353.1	62.5	198.0	25.3
	7.2		55.9	76.6	.91S	.41T	319.9	66.5	.97D	.25T	96.3	6.8	353.1	62.5	189.7	26.5
			CONE A		17 EXA	.81	CONE C		6 EXC	.34			CONE B		14 EXB	.87

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* MARCH 22, 1944 H = 00.43.18 8.5S 123.5E DEPTH 225 KM. M = 7.5
RITSEMA, A.R. 1959 PUBL. DOM. OBS., 20, 341. DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		22-2	192	74			290	65					252	60		
	83.7	23-4	287.6	89.3	.99S	.12N	17.7	83.3	1.00D	.01N	152.5	5.2	11.7	83.3	242.9	4.2
			287.9	89.3	.99S	.12N	18.0	83.2	1.00D	.01N	152.6	5.3	11.9	83.1	243.0	4.3
ROTATION ABOUT A,C,B AXIS																
	0		287.9	89.3	.99S	.12N	18.0	83.2	1.00D	.01N	152.6	5.3	11.9	83.1	243.0	4.3
	1.4		287.9	89.3	1.00S	.09N	18.0	84.6	1.00D	.01N	152.6	4.4	10.3	84.5	242.8	3.4
	-3.6		287.5	85.7	.99S	.12N	18.0	83.2	1.00D	.08N	152.6	7.9	345.4	81.9	242.9	1.8
	2.0		108.1	88.7	.99S	.12T	18.0	83.2	1.00D	.02T	152.6	3.9	28.6	83.1	242.9	5.7
	-11.2		299.0	88.0	.99S	.11N	29.2	83.5	1.00D	.04N	163.9	6.1	11.9	83.1	254.2	3.2
	.1		287.8	89.3	.99S	.12N	17.9	83.2	1.00D	.01N	152.6	5.3	11.9	83.1	243.0	4.3
			CONE A		8 EXA	.50	CONE C		4 EXC	.88			CONE B		3 EXB	.75

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* MARCH 31, 1944 H = 02.51.44 5.5S 131E DEPTH 50 KM. M = 7
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		12-1	35	70			305	90					35	70		
	100.0	12-0	270.3	47.5	.99S	.15N	6.0	83.8	.73D	.68N	147.4	33.7	282.6	46.8	40.4	23.7
			269.9	47.0	.99S	.15N	5.8	83.7	.73D	.69N	147.4	34.1	282.4	46.3	40.0	23.9
ROTATION ABOUT A,C,B AXIS																
	-3.8		269.9	47.0	.98S	.22N	8.4	80.9	.72D	.69N	148.9	36.4	287.8	45.6	41.8	21.7
	10.2		269.9	47.0	1.00S	.03T	178.8	88.9	.73D	.68T	142.9	27.9	267.6	47.0	35.3	29.7
	-102.4		100.1	55.9	.99D	.13N	5.8	83.7	.83S	.56N	227.3	28.3	86.6	55.2	327.7	18.6
	14.4		272.3	61.3	.99S	.13N	5.8	83.7	.88D	.48N	142.9	24.6	287.1	60.5	45.8	15.2
	-0.3		270.3	47.0	.99S	.15N	6.0	83.9	.73D	.69N	147.7	33.9	282.4	46.3	40.2	24.0
	14.4		251.4	50.7	.93S	.36N	354.9	74.0	.75D	.66N	131.0	40.0	282.4	46.3	28.3	14.7
			CONE A		41 EXA	.87	CONE C		14 EXC	.05			CONE B		40 EXB	.88

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* APRIL 26, 1944 H = 01.54.11 0.7S 133.5E DEPTH NORMAL

RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		22-5	4	79			99	68					70	65		
	74.6	22-5	69.6	86.0	.95S	.30T	338.3	72.5	1.00D	.07T	112.7	9.4	352.0	72.0	205.2	15.2
			69.6	86.0	.95S	.30T	338.3	72.5	1.00D	.07T	112.7	9.4	352.0	72.0	205.2	15.2
ROTATION ABOUT A,C,B AXIS																
	-0.2		69.6	86.0	.95S	.31T	338.3	72.3	1.00D	.07T	112.7	9.5	351.9	71.8	205.3	15.3
	8.6		69.6	86.0	.99S	.16T	338.9	81.1	1.00D	.07T	113.9	3.5	3.4	80.2	204.4	9.2
	-1.0		69.3	86.9	.95S	.30T	338.3	72.5	1.00D	.06T	112.3	10.0	348.8	72.2	204.9	14.5
	7.2		71.8	79.1	.95S	.31T	338.3	72.5	.98D	.20T	114.1	4.5	12.1	69.2	205.8	20.3
	-0.7		70.2	86.2	.95S	.30T	339.0	72.4	1.00D	.07T	113.3	9.6	352.0	72.0	206.0	15.1
	6.4		63.4	84.1	.96S	.29T	331.6	73.1	.99D	.11T	106.4	7.7	352.0	72.0	198.7	16.2
			CONE A		8 EXA	.13	CONE C		8 EXC	.19			CONE B		8 EXB	.07

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	72.8	22-6	117.3	54.2	1.00S	.08T	24.6	86.3	.81D	.59T	346.6	21.6	109.5	53.9	244.7	27.4
			116.9	48.8	1.00S	.08T	23.7	86.3	.75D	.66T	347.9	24.8	109.5	48.6	241.9	30.7
ROTATION ABOUT A,C,B AXIS																
	-2.2		116.9	48.8	.99S	.12T	22.2	84.7	.75D	.66T	346.8	23.6	106.2	48.3	240.9	32.1
	.2		116.9	48.8	1.00S	.08T	23.8	86.5	.75D	.66T	347.9	25.0	109.8	48.6	241.9	30.6
	-32.0		114.2	80.7	1.00S	.06T	23.7	86.3	.99D	.16T	339.4	3.9	92.3	80.0	248.7	9.2
	102.4		291.0	53.8	1.00D	.08T	23.7	86.3	.81S	.59T	61.4	21.9	298.6	53.5	163.6	27.6
	-0.7		117.8	48.9	1.00S	.10T	24.2	85.9	.75D	.66T	348.4	24.5	109.5	48.6	242.5	31.0
	.2		116.6	48.8	1.00S	.08T	23.5	86.5	.75D	.66T	347.6	25.0	109.5	48.6	241.6	30.6
			CONE A		11 EXA	.99	CONE C		1 EXC	.62			CONE B		18 EXB	.98

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	71.0	22-6	47.2	89.1	.85S	.52T	316.7	58.7	1.00D	.02T	87.5	20.9	318.7	58.7	186.5	22.2
			47.3	89.0	.85S	.52T	316.7	58.6	1.00D	.02T	87.5	20.9	318.9	58.5	186.5	22.4
ROTATION ABOUT A,C,B AXIS																
	-101.4		47.3	89.0	.68D	.73T	138.3	42.9	1.00S	.02T	13.5	30.4	136.4	42.8	261.9	32.1
	7.0		47.3	89.0	.91S	.41T	316.9	65.6	1.00D	.02T	89.3	16.3	319.4	65.5	184.7	17.8
	-0.2		47.2	89.2	.85S	.52T	316.7	58.6	1.00D	.02T	87.4	21.1	318.5	58.5	186.5	22.3
	2.8		48.8	86.7	.85S	.52T	316.7	58.6	1.00D	.07T	88.5	19.2	324.2	58.3	187.5	24.2
	-0.2		47.5	89.1	.85S	.52T	316.9	58.6	1.00D	.02T	87.7	21.0	318.9	58.5	186.7	22.4
	5.6		42.5	86.1	.85S	.52T	310.2	58.8	1.00D	.08T	82.1	18.6	318.9	58.5	180.9	24.5
			CONE A		4 EXA	.48	CONE C		25 EXC	.95			CONE B		18 EXB	.97

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* APRIL 27, 1944 H = 14.38.03 1S 133E DEPTH NORMAL

RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		19-4	205	60			307	70					246	53		
	83.2	19-3	231.1	87.0	.96S	.29T	140.1	73.0	1.00D	.05T	274.3	9.8	150.7	72.7	6.8	14.1
			223.7	85.3	.85S	.52T	130.8	58.8	1.00D	.10T	263.0	18.0	141.3	58.3	1.8	25.2
ROTATION ABOUT A,C,B AXIS																
	-2.2		223.7	85.3	.83S	.55T	130.6	56.6	1.00D	.10T	262.3	19.3	140.7	56.2	2.4	26.6
	18.2		223.7	85.3	.97S	.23T	132.6	76.9	1.00D	.08T	267.5	5.9	153.0	76.0	358.8	12.7
	-6.4		40.4	89.2	.85S	.52N	130.8	58.8	1.00D	.02N	261.1	22.2	129.1	58.7	.1	20.9
	1.0		224.2	84.5	.85S	.52T	130.8	58.8	.99D	.11T	263.5	17.4	143.2	58.2	2.2	25.7
	-7.2		229.8	89.1	.85S	.52T	139.2	58.3	1.00D	.02T	270.0	21.1	141.3	58.3	9.2	22.5
	7.2		217.5	81.6	.86S	.51T	122.5	59.7	.99D	.17T	256.4	14.7	141.3	58.3	354.2	27.4
			CONE A		10 EXA	.49	CONE C		17 EXC	.29			CONE B		12 EXB	.64

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	76.9	19-4	295.5	71.3	.86S	.51T	194.6	60.8	.93D	.37T	333.2	6.8	233.7	54.3	68.0	34.9
			271.0	65.6	.02D	1.00T	88.3	24.4	.04S	1.00T	270.2	20.6	.6	1.0	93.3	69.4
ROTATION ABOUT A,C,B AXIS																
	-63.0		271.0	65.6	.90D	.44T	12.4	66.6	.89S	.45T	51.5	.6	320.6	55.0	142.0	35.0
	50.2		271.0	65.6	.76S	.65T	161.3	53.4	.86D	.51T	303.6	7.4	206.5	43.5	41.3	45.5
	-38.4		229.8	70.5	.26S	.97T	88.3	24.4	.59D	.81T	241.3	24.1	144.9	14.0	27.3	61.7
	38.4		311.9	71.8	.28D	.96T	88.3	24.4	.65S	.76T	299.1	25.0	36.6	15.7	155.5	59.9
	-14.4		270.8	80.0	.02D	1.00T	84.8	10.0	.10S	.99T	269.9	35.0	.6	1.0	92.0	55.0
	3.6		271.1	62.0	.02D	1.00T	88.7	28.0	.04S	1.00T	270.3	17.0	.6	1.0	93.9	73.0
			CONE A		37 EXA	.77	CONE C		45 EXC	.84			CONE B		93 EXB	.32

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* NOVEMBER 15, 1944 H = 20.46.57 4.5N 127.5E DEPTH NORMAL M = 7.2

RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		13-1	35	5			215	85					125	0		
	95.6	13-1	121.1	13.7	.95S	.30T	13.9	85.9	.23D	.97T	2.0	39.5	103.0	13.0	207.6	47.5
			49.4	2.1	.46S	.89N	202.2	88.1	.02D	1.00N	21.1	46.9	112.2	1.0	203.1	43.1
ROTATION ABOUT A,C,B AXIS																
	-37.4		49.4	2.1	.90S	.43N	164.8	89.1	.03D	1.00N	342.8	45.9	74.8	1.9	166.6	44.1
	24.6		49.4	2.1	.05S	1.00N	226.8	87.9	0D	1.00N	46.7	47.1	136.8	.1	226.9	42.9
	-57.6		111.0	58.6	1.00S	.04N	202.2	88.1	.85D	.52N	341.2	23.1	115.3	58.5	242.2	20.2
	57.6		293.4	56.7	1.00D	.04N	202.2	88.1	.84S	.55N	62.6	24.3	289.3	56.6	162.8	21.4
	-4.8		183.9	3.1	.32S	.95T	22.3	87.1	.02D	1.00T	21.3	42.1	112.2	1.0	203.3	47.9
	11.2		26.4	13.1	.07S	1.00N	202.0	76.9	.02D	1.00N	20.6	58.1	112.2	1.0	202.8	31.9
			CONE A		43 EXA	.86	CONE C		31 EXC	.74			CONE B		85 EXB	.46

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* APRIL 22, 1945 H = 09.51.18 5N 123E DEPTH 650 KM. M = 6.7
RITSEMA, A.R. 1959 PUBL. DOM. OBS., 20, 341. DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		4-0	60	80			313	30					335	28		
	100.0	5-0	350.2	75.0	.69S	.73N	95.5	45.6	.93D	.36N	211.7	42.7	66.4	41.7	319.4	18.2
			350.2	75.0	.69S	.73N	95.5	45.6	.93D	.36N	211.7	42.7	66.4	41.7	319.4	18.2
ROTATION ABOUT A,C,B AXIS																
	-50.2		350.2	75.0	.12D	.99N	194.5	16.4	.40S	.92N	161.0	59.5	262.0	6.4	355.7	29.7
	43.8		350.2	75.0	1.00S	.05N	80.9	87.4	.97D	.26N	216.4	12.4	.4	74.8	124.5	8.7
	-38.4		315.3	52.0	.46S	.89N	95.5	45.6	.50D	.86N	197.7	68.6	27.8	21.1	296.5	3.4
	51.2		207.4	69.1	.66S	.75T	95.5	45.6	.87D	.50T	236.3	14.0	134.9	38.2	342.6	48.4
	-11.2		358.6	67.0	.72S	.69N	109.1	50.5	.86D	.51N	226.6	46.6	66.4	41.7	327.4	10.0
	12.8		341.4	84.4	.67S	.74N	77.6	42.2	.99D	.14N	197.3	36.3	66.4	41.7	309.4	27.0
			CONE A	46	EXA	.73	CONE C	47	EXC	.74			CONE B	92	EXB	.05

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* MAY 9, 1945 H = 03.31.13 7.5S 124E DEPTH 550 KM. M = 6.7
RITSEMA, A.R. 1959 PUBL. DOM. OBS., 20, 341. DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		11-2	175	70			287	45					249	38		
	87.6	11-2	336.9	89.1	1.00S	.10T	246.8	84.3	1.00D	.02T	21.7	3.4	255.8	84.2	112.0	4.7
			336.7	89.4	.78S	.63T	246.2	50.9	1.00D	.01T	14.4	26.0	247.5	50.9	118.8	27.0
ROTATION ABOUT A,C,B AXIS																
	-101.4		336.7	89.4	.77D	.64T	67.3	50.5	1.00S	.01T	299.3	26.3	66.0	50.5	194.6	27.2
	31.0		336.7	89.4	.99S	.14T	246.6	81.9	1.00D	.01T	21.7	5.3	251.2	81.9	112.2	6.1
	-51.2		118.9	53.3	.62S	.79N	246.2	50.9	.64D	.77N	.7	60.3	183.8	29.7	93.0	1.3
	9.6		342.8	81.9	.77S	.64T	246.2	50.9	.98D	.18T	18.4	20.2	262.5	49.8	122.2	33.0
	-38.4		188.2	67.5	.84S	.54N	292.1	59.9	.90D	.44N	57.7	38.7	247.5	50.9	151.5	4.8
	14.4		325.4	80.4	.79S	.62T	228.0	52.6	.98D	.21T	1.3	18.2	247.5	50.9	103.8	33.2
			CONE A	57	EXA	.13	CONE C	84	EXC	.60			CONE B	90	EXB	.54

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
85.3	11-2	28.4	87.9	.01S	1.00T	216.5	2.1	.14D	.99T	28.7	42.9	298.4	.3	208.1	47.1
		28.4	87.9	.01S	1.00T	216.5	2.1	.14D	.99T	28.7	42.9	298.4	.3	208.1	47.1
ROTATION ABOUT A,C,B AXIS															
-43.8		28.4	87.9	.69D	.73T	120.6	43.5	1.00S	.05T	354.5	29.1	116.4	43.5	243.7	32.6
63.0		28.4	87.9	.89S	.45T	297.3	63.3	1.00D	.04T	69.8	17.0	302.6	63.2	166.2	20.1
-51.2		337.2	88.9	.03S	1.00T	216.5	2.1	.86D	.51T	338.9	43.9	247.2	1.8	155.3	46.1
4.0		32.4	87.9	0S	1.00T	216.5	2.1	.07D	1.00T	32.6	42.9	302.4	.2	212.2	47.1
-16.0		208.5	76.1	.01S	1.00N	27.2	13.9	.02D	1.00N	28.9	58.9	298.4	.3	208.2	31.1
7.2		28.4	80.7	.01S	1.00T	210.2	9.3	.03D	1.00T	28.6	35.7	298.4	.3	208.0	54.3
		CONE A	36	EXA	.58	CONE C	50	EXC	.78			CONE B	77	EXB	.48

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OCTOBER 16, 1945 H = 16.03.02 0 123.7E DEPTH 50 KM. M = 7.1

RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		15-2	340	64			236	64					288	52		
	87.8	15-2	347.3	71.7	.91S	.42T	249.1	66.6	.94D	.34T	27.4	3.4	291.6	59.6	119.3	30.2
			41.2	34.1	.05D	1.00T	217.7	56.0	.03S	1.00T	219.1	11.0	128.8	1.6	30.6	78.9
ROTATION ABOUT A,C,B AXIS																
	-31.0		41.2	34.1	.56D	.83T	182.1	62.3	.35S	.94T	197.1	14.9	102.1	18.2	324.1	66.1
	50.2		41.2	34.1	.73S	.68T	273.8	67.6	.44D	.90T	254.5	18.4	353.1	24.3	131.2	58.7
	-64.0		324.2	67.1	.79S	.61T	217.7	56.0	.88D	.47T	358.7	6.9	261.2	47.0	95.0	42.2
	51.2		105.0	60.2	.76D	.64T	217.7	56.0	.80S	.60T	72.3	2.5	164.5	41.6	339.4	48.3
	-19.2		40.0	53.3	.04D	1.00T	216.6	36.8	.05S	1.00T	38.6	8.3	128.8	1.6	229.7	81.6
	22.4		46.7	11.8	.14D	.99T	218.4	78.4	.03S	1.00T	219.9	33.4	128.8	1.6	36.4	56.6
			CONE A	69 EXA	.64		CONE C	58 EXC	.49				CONE B	97 EXB	.30	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	75.5	15-3	171.1	86.7	.99S	.14N	261.6	82.2	1.00D	.06N	36.4	7.9	238.6	81.5	126.8	3.2
			175.3	87.6	1.00S	.09N	265.5	84.7	1.00D	.04N	40.6	5.4	241.3	84.2	130.8	2.0
ROTATION ABOUT A,C,B AXIS																
	-3.8		175.3	87.6	.99S	.16N	265.7	80.9	1.00D	.04N	40.3	8.1	250.8	80.6	131.0	4.7
	7.0		175.3	87.6	1.00S	.03T	85.2	88.3	1.00D	.04T	40.7	.5	140.4	87.1	310.7	2.9
	-19.2		173.4	68.5	1.00S	.10N	265.5	84.7	.93D	.37N	41.5	18.9	188.7	67.8	307.6	11.2
	14.4		356.6	78.0	1.00S	.09T	265.5	84.7	.98D	.21T	221.4	4.7	331.9	76.9	130.3	12.2
	-9.6		184.8	86.8	1.00S	.08N	275.1	85.1	1.00D	.06N	49.4	5.7	241.3	84.2	139.5	1.2
	12.8		162.5	88.9	1.00S	.10N	252.6	84.3	1.00D	.02N	27.1	4.8	241.3	84.2	117.4	3.2
			CONE A	27 EXA	.33		CONE C	16 EXC	.52				CONE B	19 EXB	.68	

99

JANUARY 17, 1946 H = 09.39.36 6.2S 147.7E DEPTH 100 KM.

RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		11-0	67	75			160	80					102	72		
	94.5	11-1	91.8	74.3	.84S	.55N	191.9	58.0	.95D	.32N	317.5	34.5	159.4	53.5	54.8	10.6
			81.9	72.7	.73S	.68N	187.4	49.5	.92D	.39N	306.1	42.0	154.1	44.4	49.5	14.4
ROTATION ABOUT A,C,B AXIS																
	-101.4		81.9	72.7	.81D	.58N	339.8	56.1	.93S	.36N	215.9	37.3	14.4	50.7	117.7	10.6
	37.4		81.9	72.7	1.00S	.09N	173.5	84.8	.95D	.30N	308.9	15.9	99.6	71.9	216.5	8.4
	-1.2		81.1	71.8	.73S	.68N	187.4	49.5	.91D	.41N	305.8	42.8	152.6	43.9	48.9	13.8
	14.4		91.7	83.4	.76S	.65N	187.4	49.5	.99D	.15N	311.2	32.7	174.1	48.8	56.3	22.2
	-6.4		87.0	68.4	.75S	.66N	194.8	52.3	.88D	.47N	314.5	43.9	154.1	44.4	54.2	9.9
	12.8		72.5	81.5	.71S	.71N	170.8	45.7	.98D	.21N	291.2	36.8	154.1	44.4	39.6	22.9
			CONE A	17 EXA	.19		CONE C	52 EXC	.86				CONE B	47 EXB	.89	

100
APRIL 1, 1946 H = 12.28.58 53.5N 163W DEPTH NORMAL
HODGSON, J.H. AND MILNE, W.G. 1951 BULL. SEIS. SOC. AM., 41, 221.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		46-3	292	85			25	65					17	65		
	92.4	46-3	11.7	73.0	.63S	.78N	121.5	42.1	.90D	.44N	232.5	47.0	88.3	37.1	343.6	18.5
			354.3	83.2	.49S	.87N	96.2	30.2	.97D	.24N	203.3	44.0	80.5	29.3	330.1	31.8
ROTATION ABOUT A,C,B AXIS																
	-114.2		354.3	83.2	1.00D	.09N	263.7	84.7	.99S	.12N	129.1	8.5	316.2	81.4	219.2	1.1
	18.2		354.3	83.2	.74S	.67N	90.5	48.1	.99D	.16N	213.3	33.8	76.9	47.3	319.7	22.9
	-4.8		350.1	80.8	.48S	.88N	96.2	30.2	.95D	.32N	199.9	46.4	75.1	28.5	326.9	29.9
	1.4		355.6	83.9	.49S	.87N	96.2	30.2	.98D	.21N	204.3	43.3	82.1	29.5	331.1	32.4
	-2.0		355.3	81.4	.49S	.87N	100.0	30.8	.96D	.29N	205.3	45.5	80.5	29.3	331.5	30.1
	2.8		352.9	85.6	.49S	.87N	90.7	29.7	.99D	.15N	200.8	42.0	80.5	29.3	328.2	34.1
			CONE A		5 EXA	.23	CONE C		25 EXC	.96			CONE B		29 EXB	.95

101
* JUNE 15, 1946 H = 18.29.16 3S 128E DEPTH 100 KM. M = 6.2
RITSEMA, A.R. 1959 PUBL. DOM. OBS., 20, 341. DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		9-0	308	73			214	77					268	68		
	100.0	9-0	216.6	76.4	.94S	.34N	311.5	70.7	.97D	.25N	83.2	23.5	273.6	66.1	174.8	3.9
			216.6	76.4	.94S	.34N	311.5	70.7	.97D	.25N	83.2	23.5	273.6	66.1	174.8	3.9
ROTATION ABOUT A,C,B AXIS																
	-10.2		216.6	76.4	.87S	.50N	314.4	60.9	.96D	.27N	82.0	30.7	284.5	57.3	178.2	10.2
	7.0		216.6	76.4	.97S	.22N	309.7	77.5	.97D	.24N	83.3	18.6	260.8	71.4	353.0	.8
	-2.0		215.9	74.5	.94S	.34N	311.5	70.7	.96D	.28N	83.1	25.0	269.8	64.9	174.3	2.6
	8.0		219.4	84.0	.94S	.33N	311.5	70.7	.99D	.11N	83.7	17.9	292.7	69.7	176.7	9.2
	-1.6		218.2	75.9	.94S	.33N	313.1	71.1	.97D	.26N	84.8	23.6	273.6	66.1	176.2	3.3
	4.8		212.0	78.1	.93S	.36N	306.5	69.6	.98D	.22N	77.9	23.1	273.6	66.1	170.4	5.8
			CONE A		8 EXA	.36	CONE C		10 EXC	.63			CONE B		13 EXB	.42

102
JUNE 23, 1946 H-= 17.13.21 49.9N 124.9W DEPTH NORMAL M = 7.3
HODGSON, J.H. AND MILNE, W.G. 1951 BULL. SEIS. SOC. AM., 41, 221.
PUBLISHED SOLUTION MODIFIED IN LATER UNPUBLISHED STUDIES

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON	96.6	58-2	269.6	27.8	.49S	.87N	57.2	66.0	.25D	.97N	211.5	65.9	333.2	13.2	68.0	19.7
			287.4	35.8	.50S	.86N	71.7	59.6	.34D	.94N	210.3	68.6	352.1	17.1	86.0	12.5
ROTATION ABOUT A,C,B AXIS																
	-8.6		287.4	35.8	.37S	.93N	81.4	57.1	.26D	.97N	222.3	73.4	359.6	12.4	92.0	10.9
	15.0		287.4	35.8	.71S	.70N	56.2	65.7	.46D	.89N	196.3	59.9	338.1	24.5	75.8	16.4
	-28.8		234.6	31.5	.25D	.97N	71.7	59.6	.15S	.99N	274.6	73.8	157.2	7.6	65.3	14.2
	44.8		328.3	68.4	.84S	.54N	71.7	59.6	.90D	.43N	197.3	38.1	28.7	51.3	291.7	5.6
	-9.6		297.7	27.9	.63S	.78N	75.2	68.7	.32D	.95N	226.9	61.9	352.1	17.1	89.1	21.6
	1.8		285.9	37.4	.48S	.87N	71.0	57.9	.35D	.94N	206.1	69.6	352.1	17.1	85.4	10.7
			CONE A		29 EXA	.85	CONE C		16 EXC	.52			CONE B		42 EXB	.68

103
NOVEMBER 10, 1946 H = 17.42.54 8.2S 77.8W DEPTH NORMAL M = 7.2
HODGSON, J.H. AND BREMNER, P.C. 1953 BULL. SEIS. SOC. AM., 43, 121.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		44-7	305	62			45	71					345	55		
	86.5	41-4	125.6	42.9	.89S	.45T	15.6	72.3	.64D	.77T	347.3	17.6	91.4	37.5	237.2	47.2
			125.5	42.7	.89S	.45T	15.3	72.4	.64D	.77T	347.0	17.8	91.2	37.3	236.7	47.2
ROTATION ABOUT A,C,B AXIS																
	-0.6		125.5	42.7	.89S	.46T	14.8	72.0	.63D	.77T	346.7	17.5	90.5	37.1	236.4	47.6
	0		125.5	42.7	.89S	.45T	15.3	72.4	.64D	.77T	347.0	17.8	91.2	37.3	236.7	47.2
	-38.4		109.0	78.5	.95S	.31T	15.3	72.4	.98D	.21T	151.3	4.2	50.5	68.7	242.9	20.8
	44.8		212.2	18.4	.28D	.96T	15.3	72.4	.09S	1.00T	19.5	27.2	286.9	5.0	187.3	62.3
	-0.5		126.1	42.9	.89S	.45T	15.6	72.0	.64D	.77T	347.4	17.4	91.2	37.3	237.3	47.5
	.1		125.3	42.7	.90S	.45T	15.2	72.4	.64D	.77T	347.0	17.8	91.2	37.3	236.7	47.2
			CONE A	7 EXA	.99		CONE C	1 EXC	.00				CONE B	7 EXB	.99	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	86.7	41-5	70.2	60.6	.99S	.17T	335.3	81.5	.87D	.50T	296.0	14.0	50.8	59.2	198.8	26.8
			69.5	60.2	.99S	.17T	334.6	81.5	.86D	.50T	295.5	14.3	50.3	58.7	197.9	27.2
ROTATION ABOUT A,C,B AXIS																
	-0.2		69.5	60.2	.98S	.17T	334.5	81.3	.86D	.50T	295.5	14.2	50.0	58.7	198.0	27.3
	.6		69.5	60.2	.99S	.16T	334.9	82.0	.86D	.50T	295.7	14.7	51.4	58.9	198.1	26.8
	-6.4		68.3	66.5	.99S	.16T	334.6	81.5	.91D	.40T	293.5	10.2	46.1	64.8	199.2	22.8
	22.4		75.5	38.2	.97S	.24T	334.6	81.5	.61D	.79T	305.8	26.8	58.1	36.9	189.4	41.3
	-1.0		70.6	60.3	.98S	.18T	335.4	81.0	.87D	.50T	296.3	13.9	50.3	58.7	199.0	27.4
	2.4		66.7	59.8	.99S	.15T	332.5	82.7	.86D	.51T	293.3	15.4	50.3	58.7	195.4	26.5
			CONE A	10 EXA	.88		CONE C	2 EXC	.76				CONE B	5 EXB	.97	

104
* FEBRUARY 18, 1947 H = 13.30.27 32.9N 136.9E DEPTH 400 KM. M = 6.7
HONDA, H. AND MASATSUKA, A. 1952 SCI. REP. TOHOKU UN. SER. 5, 4, 42.
RITSEMA, A.R. 1964 PURE AND APPLIED GEOPHYS., 59, 58 DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HONDA											290	40				
RITSEMA			275	75			146	22					190	17		
	90.1	35-4	21.7	78.7	.93S	.37N	116.2	68.5	.98D	.21N	247.4	23.4	85.8	65.5	340.4	6.9
			16.2	80.2	.95S	.32N	109.6	71.6	.98D	.18N	241.8	20.2	79.6	68.9	334.0	5.9
ROTATION ABOUT A,C,B AXIS																
	-2.6		16.2	80.2	.93S	.36N	110.1	69.0	.98D	.18N	241.5	22.0	82.7	66.6	334.6	7.7
	3.0		16.2	80.2	.96S	.27N	109.0	74.5	.98D	.18N	241.9	18.0	75.1	71.5	333.2	3.9
	-9.6		13.0	71.1	.94S	.33N	109.6	71.6	.94D	.34N	241.4	26.9	60.6	63.1	151.3	.3
	14.4		200.8	86.2	.95S	.32T	109.6	71.6	1.00D	.07T	243.9	10.2	122.2	71.1	336.8	15.7
	-4.8		20.9	78.7	.95S	.31N	114.5	72.5	.98D	.21N	246.9	20.6	79.6	68.9	338.5	4.3
	2.0		14.3	80.8	.95S	.33N	107.5	71.2	.99D	.17N	239.8	19.9	79.6	68.9	332.2	6.6
			CONE A	13 EXA	.72		CONE C	6 EXC	.18				CONE B	12 EXB	.77	

105
MAY 27, 1947 H = 05.58.52 1.7S 135.5E DEPTH NORMAL M = 7.2
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		13-1	284	76			19	70					342	65		
ALTER.		13-1	295	78			33	54					10	52		
	95.7	13-1	194.9	15.9	.86S	.51N	314.3	82.0	.24D	.97N	118.7	51.1	226.3	13.7	326.3	35.6
			134.6	17.7	.11D	.99N	321.3	72.4	.04S	1.00N	144.4	62.5	50.7	1.9	319.7	27.4
ROTATION ABOUT A,C,B AXIS																
	-31.0		134.6	17.7	.61D	.80N	353.3	76.0	.19S	.98N	187.8	57.6	80.6	10.6	344.4	30.2
	37.4		134.6	17.7	.52S	.86N	282.3	74.9	.16D	.99N	89.5	59.1	194.8	9.0	289.9	29.3
	-76.8		54.7	79.3	.95D	.31N	321.3	72.4	.98S	.19N	188.8	20.2	354.5	69.2	97.1	4.7
	64.0		222.1	63.4	.94S	.34N	321.3	72.4	.88D	.47N	93.9	32.0	260.9	57.3	.2	5.9
	-9.6		127.2	8.2	.23D	.97N	320.9	82.0	.03S	1.00N	143.2	53.0	50.7	1.9	319.3	37.0
	8.0		136.7	25.7	.08D	1.00N	321.6	64.4	.04S	1.00N	146.1	70.5	50.7	1.9	320.0	19.4

CONE A 50 EXA .87 CONE C 35 EXC .74 CONE B 98 EXB .51

106
OCTOBER 16, 1947 H = 02.09.07 64N 148W DEPTH NORMAL M = 7
HODGSON, J.H. AND MILNE, W.G. 1951 BULL. SEIS. SOC. AM., 41, 221.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		48-3	240	12			60	78					330	0		
	91.4	48-4	60.4	79.4	.21S	.98N	191.0	16.0	.75D	.67N	255.0	54.1	148.1	11.9	50.1	33.3
			245.7	67.2	.21D	.98T	36.6	25.7	.45S	.89T	236.5	21.3	330.9	11.2	86.9	65.7
ROTATION ABOUT A,C,B AXIS																
	-43.8		245.7	67.2	.83D	.56T	350.4	59.0	.89S	.45T	209.6	5.2	305.8	49.8	115.3	39.7
	43.8		245.7	67.2	.52S	.85T	123.5	38.3	.78D	.63T	268.4	16.3	169.1	28.9	24.1	56.0
	-44.8		196.6	65.6	.15S	.99T	36.6	25.7	.31D	.95T	203.0	20.2	110.1	7.8	.0	68.2
	44.8		289.8	82.1	.42D	.91T	36.6	25.7	.95S	.32T	269.4	32.7	16.2	24.3	135.4	47.2
	-32.0		59.2	81.5	.20D	.98N	292.7	14.2	.79S	.61N	226.1	52.2	330.9	11.2	69.0	35.5
	32.0		256.6	36.3	.33D	.94T	53.2	56.0	.23S	.97T	62.9	10.0	330.9	11.2	193.8	74.9

CONE A 76 EXA .29 CONE C 75 EXC .27 CONE B 89 EXB .02

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	90.8	48-5	13.1	41.6	.99S	.12T	278.2	85.6	.66D	.75T	246.1	28.3	4.3	41.3	133.3	35.6
			43.9	28.3	.39S	.92T	249.3	64.1	.20D	.98T	240.6	18.3	334.1	10.5	92.5	68.7
ROTATION ABOUT A,C,B AXIS																
	-31.0		43.9	28.3	.14D	.99T	214.5	62.1	.08S	1.00T	217.8	17.0	126.6	3.9	24.1	72.6
	43.8		43.9	28.3	.92S	.40T	293.0	79.1	.44D	.90T	271.9	29.3	17.6	25.7	141.5	49.2
	-44.8		355.4	60.2	.86S	.50T	249.3	64.1	.83D	.55T	213.1	2.4	305.9	48.6	121.0	41.3
	44.8		125.5	41.1	.75D	.66T	249.3	64.1	.55S	.84T	272.6	12.9	175.2	29.4	23.7	57.3
	-28.8		56.9	55.9	.22S	.98T	258.9	36.2	.31D	.95T	66.0	10.0	334.1	10.5	198.8	75.4
	32.0		305.9	11.9	.88S	.47N	63.1	84.5	.18D	.98N	231.6	49.4	334.1	10.5	72.6	38.6

CONE A 74 EXA .32 CONE C 67 EXC .19 CONE B 82 EXB .17

107
JANUARY 24, 1948 H = 17.46.43 11N 122E DEPTH NORMAL M = 8.2
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		24-4	76	85			345	78					9	77		
	80.5	24-3	5.0	84.7	.94S	.35N	96.9	69.7	1.00D	.10N	229.2	18.1	81.0	69.0	322.6	10.4
			4.6	84.7	.94S	.35N	96.5	69.9	1.00D	.10N	228.8	17.9	80.5	69.2	322.2	10.2
ROTATION ABOUT A,C,B AXIS																
	-114.2		4.6	84.7	.70D	.71N	269.2	44.6	.99S	.13N	147.6	34.6	279.7	44.2	37.9	25.9
	7.0		4.6	84.7	.97S	.23N	95.8	76.9	1.00D	.09N	229.6	13.1	73.1	75.8	320.9	5.5
	-4.0		3.2	81.0	.94S	.35N	96.5	69.9	.99D	.17N	228.3	20.7	70.3	67.8	321.2	7.6
	.1		4.6	84.8	.94S	.35N	96.5	69.9	1.00D	.10N	228.9	17.9	80.8	69.2	322.2	10.3
	-4.0		8.4	83.3	.94S	.34N	100.8	70.3	.99D	.12N	233.0	18.6	80.5	69.2	326.1	8.9
	.3		4.3	84.8	.94S	.35N	96.2	69.9	1.00D	.10N	228.6	17.9	80.5	69.2	321.9	10.3
			CONE A	4 EXA	.05		CONE C	23 EXC	.96				CONE B	22 EXB	.97	

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
82.4	24-4	215.3	82.9	.99S	.14N	306.3	82.1	.99D	.12N	80.8	10.6	263.9	79.4	170.9	.6
		219.8	78.6	.99S	.14N	311.4	82.0	.98D	.20N	85.9	13.8	255.8	76.0	355.4	2.4
ROTATION ABOUT A,C,B AXIS															
-7.0		219.8	78.6	.97S	.26N	312.9	75.1	.98D	.21N	85.8	18.7	273.7	71.1	176.6	2.4
5.4		219.8	78.6	1.00S	.05N	310.4	87.3	.98D	.20N	85.7	10.0	233.6	78.2	354.7	6.2
-0.1		219.8	78.5	.99S	.14N	311.4	82.0	.98D	.20N	85.9	13.9	255.5	75.9	355.3	2.4
7.2		220.8	85.7	.99S	.14N	311.4	82.0	1.00D	.08N	85.9	8.7	282.8	80.9	176.3	2.6
-0.4		220.2	78.5	.99S	.14N	311.8	82.1	.98D	.20N	86.5	13.8	255.8	76.0	355.9	2.5
9.6		210.2	80.1	.98S	.17N	301.9	80.2	.98D	.17N	76.1	14.0	255.8	76.0	346.1	.1
		CONE A	9 EXA	.27		CONE C	11 EXC	.19				CONE B	10 EXB	.41	

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
81.5	24-3	273.8	66.5	.99S	.10N	6.2	84.7	.92D	.40N	142.5	20.4	288.1	65.8	47.7	12.5
		271.0	57.9	.99S	.13N	4.8	83.8	.85D	.53N	142.7	26.9	284.5	57.2	43.6	17.4
ROTATION ABOUT A,C,B AXIS															
-5.4		271.0	57.9	.98S	.22N	7.8	79.3	.84D	.54N	144.1	30.4	293.9	55.8	45.6	14.1
1.0		271.0	57.9	.99S	.11N	4.3	84.7	.85D	.53N	142.6	26.1	282.7	57.4	43.4	18.1
-1.8		270.7	56.2	.99S	.13N	4.8	83.8	.83D	.56N	143.2	28.1	283.9	55.4	43.0	18.5
12.8		272.7	70.6	.99S	.11N	4.8	83.8	.94D	.33N	140.3	18.1	291.8	69.6	47.3	9.1
-1.8		273.1	57.7	.99S	.11N	6.4	84.8	.84D	.54N	144.7	26.2	284.5	57.2	45.3	18.3
9.6		259.9	59.6	.97S	.23N	356.6	78.8	.86D	.52N	132.4	29.7	284.5	57.2	35.0	12.7
		CONE A	13 EXA	.22		CONE C	9 EXC	.44				CONE B	10 EXB	.56	

108
* JANUARY 28, 1948 H = 03.47.21 1.5N 126.5E DEPTH 100 KM. M = 7.2
RITSEMA, A.R. 1959 PUBL. DOM. OBS., 20, 341. DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		13-2	124	60			7	53					61	38		
	81.7	13-2	350.0	57.2	.90S	.44N	95.0	68.2	.81D	.58N	226.2	40.3	32.3	48.9	130.3	6.9
			352.5	53.2	.85S	.52N	102.6	65.3	.75D	.66N	232.7	46.0	38.1	43.1	135.0	7.4
ROTATION ABOUT A,C,B AXIS																
	-88.6		352.5	53.2	.50D	.87N	216.5	46.1	.56S	.83N	111.9	66.1	281.6	23.6	13.3	3.8
	15.0		352.5	53.2	.96S	.28N	92.5	76.9	.79D	.61N	229.1	35.7	18.7	50.2	127.8	15.3
	-0.7		352.0	52.6	.85S	.53N	102.6	65.3	.74D	.67N	232.8	46.5	37.5	42.5	134.6	7.7
	19.2		3.0	70.1	.90S	.44N	102.6	65.3	.93D	.37N	231.6	32.4	58.5	57.4	323.6	3.1
	-0.7		353.2	52.9	.86S	.51N	103.2	65.8	.75D	.66N	233.7	45.8	38.1	43.1	135.5	7.9
	9.6		342.9	58.6	.80S	.60N	94.2	59.2	.80D	.61N	218.8	46.9	38.1	43.1	128.4	.4
			CONE A	14 EXA	.48		CONE C	33 EXC	.90				CONE B	45 EXB	.81	

109
MARCH 1, 1948 H = 01.12.24 3S 127.3E DEPTH NORMAL M = 7.5
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		30-2	66	70			325	60					5	53		
	93.1	30-2	71.4	72.4	.86S	.50T	331.4	61.3	.94D	.34T	109.3	7.2	8.7	55.4	204.1	33.6
			39.6	57.2	.07D	1.00T	212.3	33.0	.11S	.99T	36.7	12.1	127.4	3.3	232.4	77.4
ROTATION ABOUT A,C,B AXIS																
	-37.4		39.6	57.2	.66D	.75T	161.2	50.9	.72S	.70T	11.7	3.6	104.1	33.8	276.3	56.0
	50.2		39.6	57.2	.72S	.69T	282.2	54.4	.75D	.67T	70.4	1.6	339.1	37.4	162.5	52.6
	-51.2		342.2	67.4	.42S	.91T	212.3	33.0	.71D	.71T	.5	18.7	262.3	22.7	126.2	59.9
	38.4		81.9	67.2	.41D	.91T	212.3	33.0	.70S	.71T	63.8	18.6	161.8	22.5	297.9	60.1
	-14.4		38.6	71.6	.06D	1.00T	207.5	18.8	.18S	.98T	35.8	26.5	127.4	3.3	224.0	63.3
	19.2		41.7	38.1	.09D	1.00T	214.8	52.1	.07S	1.00T	217.8	7.0	127.4	3.3	12.4	82.2
			CONE A	55 EXA	.63		CONE C	54 EXC	.62				CONE B	89 EXB	.02	

110
* APRIL 17, 1948 H = 16.11.28 33N 135.5E DEPTH NORMAL
MUHLHAUSER, S. 1957 TELLUS, 9, 104.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
MUHLHAUS.		40	313	4			133	86					43	0		
	88.9	40-4	143.4	89.8	.01S	1.00T	35.0	.6	.95D	.32T	144.0	44.8	53.4	.6	322.8	45.2
			142.6	89.3	0D	1.00T	307.5	.7	.26S	.97T	142.4	44.3	232.6	.2	322.8	45.7
ROTATION ABOUT A,C,B AXIS																
	-5.4		142.6	89.3	.10D	1.00T	239.4	5.6	.99S	.12T	137.2	44.0	232.6	5.6	328.3	45.4
	1.4		142.6	89.3	.02S	1.00T	23.9	1.4	.88D	.48T	143.8	44.3	52.6	1.2	321.4	45.7
	-2.0		140.6	89.3	0D	1.00T	307.5	.7	.23S	.97T	140.4	44.3	230.6	.2	320.8	45.7
	2.8		145.4	89.3	0D	1.00T	307.5	.7	.31S	.95T	145.2	44.3	235.4	.2	325.6	45.7
	-0.9		322.6	89.8	0D	1.00N	180.7	.3	.62S	.79N	142.4	45.2	232.6	.2	322.8	44.8
	.4		142.6	88.9	0D	1.00T	313.0	1.1	.17S	.99T	142.4	43.9	232.6	.2	322.8	46.1
			CONE A	2 EXA	.73		CONE C	3 EXC	.81				CONE B	6 EXB	.29	

	SCORE	OBSERVED	PLANE A AZ	DIP	COMPONENT STRIKE	DIP	PLANE C AZ	DIP	COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
	88.8	40-4	277.7	1.6	.68S	.74T	140.2	88.8	.02D	1.00T	139.1	43.8	230.2	1.1	321.3	46.2
			266.7	4.1	.79S	.61T	139.4	87.5	.06D	1.00T	136.3	42.4	229.3	3.3	322.9	47.4
ROTATION ABOUT A,C,B AXIS																
	-3.0		266.7	4.1	.76S	.65T	136.4	87.3	.06D	1.00T	133.4	42.2	226.3	3.2	319.8	47.6
	3.8		266.7	4.1	.83S	.55T	143.2	87.7	.06D	1.00T	140.0	42.6	233.1	3.4	326.8	47.2
	-1.6		256.5	5.5	.89S	.46T	139.4	87.5	.09D	1.00T	134.7	42.3	229.2	4.9	324.5	47.3
	2.4		299.9	2.7	.33S	.94T	139.4	87.5	.02D	1.00T	138.6	42.5	229.4	.9	320.4	47.5
	0		266.7	4.1	.79S	.61T	139.4	87.5	.06D	1.00T	136.3	42.4	229.3	3.3	322.9	47.4
	1.4		248.0	3.5	.95S	.32T	139.3	88.9	.06D	1.00T	136.1	43.8	229.3	3.3	322.7	46.0
			CONE A		2 EXA	.65	CONE C		3 EXC	.79			CONE B		5 EXB	.41

111
JUNE 29, 1948 H = 10.28.37 16S 173W DEPTH 100 KM. M = 7
WEBB, J.P. 1954 DOCTORAL THESIS, ST. LOUIS UNIVERSITY.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	DIP	COMPONENT STRIKE	DIP	PLANE C AZ	DIP	COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
WEBB		36	317	86			48	85					7	83		
	92.7	36-3	239.6	86.4	.98S	.19N	330.3	79.3	1.00D	.06N	104.5	10.1	311.3	78.7	195.4	5.0
			239.6	86.4	.98S	.19N	330.3	79.3	1.00D	.06N	104.5	10.1	311.3	78.7	195.4	5.0
ROTATION ABOUT A,C,B AXIS																
	-0.6		239.6	86.4	.98S	.20N	330.4	78.7	1.00D	.06N	104.5	10.6	312.2	78.1	195.5	5.4
	1.4		239.6	86.4	.99S	.16N	330.2	80.7	1.00D	.06N	104.6	9.1	308.7	80.0	195.3	4.0
	-16.0		236.5	70.7	.98S	.20N	330.3	79.3	.94D	.34N	104.7	21.4	267.8	67.7	12.4	5.9
	5.6		60.7	88.1	.98S	.19T	330.3	79.3	1.00D	.03T	105.1	6.2	340.7	79.1	196.1	8.9
	-2.4		242.0	86.0	.98S	.18N	332.8	79.5	1.00D	.07N	106.8	10.3	311.3	78.7	197.7	4.6
	2.0		237.7	86.8	.98S	.19N	328.3	79.2	1.00D	.06N	102.4	9.9	311.3	78.7	193.4	5.3
			CONE A		10 EXA	.80	CONE C		3 EXC	.55			CONE B		7 EXB	.91

112
* JULY 24, 1948 H = 06.03.05 34.4N 24.5E DEPTH NORMAL M = 6.5
SOBOUTI, M. 1964 DOCTORAL THESIS, U. OF PARIS. DATA SUPPLIED
THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN
SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	DIP	COMPONENT STRIKE	DIP	PLANE C AZ	DIP	COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
SOBOUTI	93.2	24-2	263.6	73.4	.96S	.27N	358.1	75.3	.96D	.30N	131.2	22.5	307.5	67.5	40.6	1.3
			263.5	73.6	.97S	.26N	357.8	75.7	.96D	.29N	131.1	21.9	307.0	68.0	40.5	1.4
ROTATION ABOUT A,C,B AXIS																
	-1.4		263.5	73.6	.96S	.28N	358.3	74.3	.96D	.29N	131.0	23.0	309.7	67.0	40.8	.5
	2.6		263.5	73.6	.98S	.21N	357.1	78.1	.96D	.29N	130.8	20.1	301.4	69.6	39.7	3.1
	-1.8		263.0	71.9	.97S	.26N	357.8	75.7	.95D	.32N	131.1	23.2	304.0	66.6	40.0	2.6
	4.0		264.6	77.5	.97S	.25N	357.8	75.7	.97D	.22N	131.1	19.2	315.1	70.8	221.5	1.2
	-1.0		264.5	73.4	.97S	.25N	358.8	75.9	.96D	.29N	131.9	21.9	307.0	68.0	41.2	1.7
	1.4		262.1	74.0	.96S	.26N	356.5	75.3	.96D	.28N	129.6	22.0	307.0	68.0	39.2	.9
			CONE A		4 EXA	.59	CONE C		3 EXC	.40			CONE B		5 EXB	.31

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SEPTEMBER 8, 1948 H = 15.09.11 21S 174.2W DEPTH NORMAL M = 7.8
WEBB, J.P. 1954 DOCTORAL THESIS, ST. LOUIS UNIVERSITY.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
WEBB		39	211	48			118	87					204	48		
	97.5	39-1	221.0	49.1	1.00S	.03T	130.0	88.8	.76D	.65T	93.3	26.6	218.6	49.1	347.5	28.5
			242.0	16.6	.43S	.90T	88.5	75.1	.13D	.99T	82.5	29.7	176.6	7.1	278.7	59.3
ROTATION ABOUT A,C,B AXIS																
	-7.0		242.0	16.6	.32S	.95T	81.3	74.3	.09D	1.00T	76.9	29.1	169.8	5.2	269.0	60.3
	13.4		242.0	16.6	.63S	.78T	102.1	77.2	.18D	.98T	93.3	31.4	189.7	10.3	295.7	56.6
	-64.0		183.4	72.0	.96S	.27T	88.5	75.1	.95D	.32T	46.3	2.1	141.1	66.2	315.4	23.7
	64.0		348.8	57.9	.95D	.30T	88.5	75.1	.84S	.55T	125.6	11.2	19.9	53.8	223.2	33.9
	-2.0		244.7	18.4	.39S	.92T	88.7	73.1	.13D	.99T	82.8	27.7	176.6	7.1	279.7	61.2
	2.4		237.8	14.5	.49S	.87T	88.2	77.4	.13D	.99T	82.1	32.0	176.6	7.1	277.7	57.0
			CONE A		24 EXA	.97		CONE C		9 EXC .78			CONE B		51 EXB	.84

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	94.3	39-2	107.7	79.4	.46S	.89T	358.1	29.1	.93D	.38T	129.5	29.2	23.1	26.8	258.4	48.4
			100.1	77.5	.14S	.99T	313.8	14.9	.54D	.84T	106.9	32.0	11.9	8.0	269.5	56.8
ROTATION ABOUT A,C,B AXIS																
	-50.2		100.1	77.5	.67D	.74T	203.6	43.4	.95S	.32T	69.6	21.1	179.0	40.7	319.3	41.8
	56.6		100.1	77.5	.91S	.43T	4.2	65.5	.97D	.24T	140.3	8.1	34.8	62.1	234.4	26.5
	-8.0		92.0	78.8	.17S	.99T	313.8	14.9	.65D	.76T	100.3	33.1	3.9	9.7	259.7	55.2
	2.4		102.5	77.2	.13S	.99T	313.8	14.9	.51D	.86T	108.9	31.8	14.2	7.5	272.4	57.1
	-4.0		100.6	81.4	.14S	.99T	324.5	11.8	.69D	.73T	107.7	35.9	11.9	8.0	271.2	52.9
	1.2		99.9	76.3	.14S	.99T	311.5	16.0	.51D	.86T	106.7	30.8	11.9	8.0	268.9	57.9
			CONE A		7 EXA	.50		CONE C		24 EXC .95			CONE B		33 EXB	.90

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DECEMBER 30, 1948 H = 23.49.54 51N 131W DEPTH NORMAL M = 7
HODGSON, J.H. AND STOREY, R.S. 1954 BULL. SEIS. SOC. AM., 44, 57.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		27-4	146	67			25	39					69	30		
	100.0	27-0	24.8	38.0	.78S	.63N	147.3	67.3	.52D	.85N	286.1	56.2	70.5	28.6	169.8	16.5
			24.3	37.5	.77S	.64N	147.6	67.1	.51D	.86N	286.6	56.7	70.5	28.0	169.6	16.6
ROTATION ABOUT A,C,B AXIS																
	-3.8		24.3	37.5	.73S	.69N	151.2	65.3	.49D	.87N	289.3	58.9	74.3	26.3	172.1	15.4
	3.0		24.3	37.5	.80S	.60N	144.8	68.7	.52D	.85N	284.6	54.8	67.4	29.3	167.7	17.7
	-115.2		239.7	85.0	.92D	.39N	147.6	67.1	1.00S	.09N	15.9	19.7	161.2	66.5	281.4	12.3
	7.2		31.0	43.3	.82S	.57N	147.6	67.1	.61D	.79N	282.5	52.1	74.3	34.4	174.0	13.9
	-5.6		32.0	34.2	.83S	.55N	150.6	72.0	.49D	.87N	294.7	53.5	70.5	28.0	172.6	21.5
	.9		23.1	38.1	.76S	.65N	147.1	66.4	.51D	.86N	285.2	57.1	70.5	28.0	169.2	15.9
			CONE A		28 EXA	.95		CONE C		7 EXC .04			CONE B		29 EXB	.94

115
MARCH 4, 1949 H = 10.19.25 37N 70E DEPTH 200 KM. M = 7.5
HODGSON, J.H. AND STOREY, R.S. 1954 BULL. SEIS. SOC. AM., 44, 57.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		68-10	356	87			-	-					-	-		
	83.2	68-11	308.8	40.6	.95S	.32T	204.2	77.9	.63D	.78T	175.3	22.9	284.6	38.0	61.9	43.3
			17.1	27.4	.32D	.95T	176.0	64.2	.17S	.99T	183.1	18.7	90.2	8.6	336.6	69.3
ROTATION ABOUT A,C,B AXIS																
	-27.8		17.1	27.4	.73D	.69T	147.1	71.6	.35S	.94T	162.9	23.9	63.8	19.6	298.6	58.3
	43.8		17.1	27.4	.42S	.91T	224.7	65.3	.21D	.98T	215.5	19.4	309.5	11.2	67.9	67.4
	-51.2		292.1	47.7	.81S	.59T	176.0	64.2	.66D	.75T	147.6	9.7	244.9	36.8	45.2	51.5
	38.4		64.6	52.9	.84D	.55T	176.0	64.2	.74S	.67T	208.0	6.8	111.8	41.9	305.4	47.3
	-16.0		9.6	42.8	.22D	.98T	172.6	48.5	.20S	.98T	180.6	2.9	90.2	8.6	289.0	80.9
	28.8		107.7	9.0	.96D	.30N	.6	87.4	.15S	.99N	189.5	46.9	90.2	8.6	352.4	41.8
			CONE A	63 EXA	.50		CONE C	57 EXC	.37				CONE B	80 EXB	.20	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	83.1	68-11	239.2	60.0	.77S	.63T	127.0	56.7	.80D	.60T	272.4	2.0	180.6	42.1	4.6	47.8
			19.7	29.1	.32D	.95T	178.8	62.6	.17S	.98T	186.1	17.0	93.4	8.8	337.1	70.7
ROTATION ABOUT A,C,B AXIS																
	-27.8		19.7	29.1	.72D	.69T	149.6	70.4	.37S	.93T	166.2	22.4	67.3	20.5	299.1	58.8
	43.8		19.7	29.1	.43S	.90T	228.1	64.0	.23D	.97T	218.3	17.9	312.2	12.0	74.3	68.2
	-51.2		296.5	48.1	.79S	.62T	178.8	62.6	.66D	.75T	150.7	8.4	246.8	35.8	49.3	52.9
	38.4		66.5	53.9	.82D	.57T	178.8	62.6	.75S	.66T	210.9	5.2	116.2	41.6	306.7	47.9
	-16.0		12.5	44.5	.22D	.98T	175.0	46.8	.21S	.98T	183.6	1.2	93.4	8.8	281.0	81.1
	25.6		79.4	9.1	.97D	.24T	183.1	87.8	.15S	.99T	191.5	42.2	93.4	8.8	354.0	46.5
			CONE A	61 EXA	.54		CONE C	55 EXC	.42				CONE B	80 EXB	.20	

116
MARCH 27, 1949 H = 06.34.01 3.2N 127.7E DEPTH NORMAL M = 7
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		19-4	280	80			190	90					280	80		
	79.1	19-4	216.7	80.9	.99S	.14N	308.0	82.2	.99D	.16N	82.5	12.0	258.0	78.0	352.3	.9
			207.1	73.9	.97S	.25N	301.2	76.1	.96D	.29N	74.4	21.4	250.0	68.5	343.8	1.5
ROTATION ABOUT A,C,B AXIS																
	-3.0		207.1	73.9	.95S	.30N	302.1	73.2	.96D	.29N	74.4	23.6	255.7	66.4	164.6	.5
	6.2		207.1	73.9	.99S	.14N	299.4	82.0	.96D	.28N	74.0	17.2	234.8	71.9	342.3	5.6
	-4.0		206.0	70.0	.97S	.26N	301.2	76.1	.94D	.35N	74.7	24.3	243.8	65.3	342.8	4.1
	12.8		210.2	86.3	.97S	.24N	301.2	76.1	1.00D	.07N	74.9	12.4	285.7	75.6	166.5	7.1
	-19.2		226.9	70.1	.99S	.14N	319.7	82.2	.94D	.34N	94.8	19.7	250.0	68.5	1.8	8.3
	4.8		202.2	75.2	.96S	.27N	296.4	74.8	.96D	.27N	69.2	21.5	250.0	68.5	159.3	.3
			CONE A	20 EXA	.30		CONE C	15 EXC	.62				CONE B	12 EXB	.45	

117
APRIL 5, 1949 H = 09.27.06 43N 131E DEPTH 550 KM. M = 7.2
HODGSON, J.H. AND STOREY, R.S. 1954 BULL. SEIS. SOC. AM., 44, 57.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		46-6	84	60			337	64					35	46		
	86.3	46-6	80.1	80.7	.97S	.25T	347.8	75.9	.99D	.17T	123.5	3.3	22.5	73.0	214.4	16.7
			288.6	81.6	.84S	.54T	193.4	58.0	.99D	.17T	327.0	15.7	211.6	56.7	65.8	28.5
ROTATION ABOUT A,C,B AXIS																
	-43.8		288.6	81.6	.98S	.20N	20.3	78.7	.99D	.15N	154.4	13.9	342.9	75.9	244.9	2.0
	101.4		288.6	81.6	.69D	.72T	27.3	44.4	.98S	.21T	256.4	23.7	10.7	43.2	146.7	37.5
	-19.2		299.8	65.6	.81S	.58T	193.4	58.0	.87D	.49T	335.0	4.7	239.8	47.8	69.3	41.8
	14.4		101.0	86.2	.85S	.53N	193.4	58.0	1.00D	.08N	322.3	24.9	184.9	57.7	61.6	19.1
	-8.0		295.4	86.0	.84S	.55T	202.8	57.0	1.00D	.08T	334.5	19.6	211.6	56.7	74.4	25.7
	5.6		283.8	78.7	.85S	.52T	186.9	59.1	.97D	.23T	322.1	13.0	211.6	56.7	59.8	30.1
			CONE A		21 EXA	.60	CONE C		44 EXC	.91			CONE B		70 EXB	.77

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	86.1	46-6	84.5	58.2	.85S	.52T	336.7	63.8	.81D	.59T	301.7	3.5	35.4	46.6	208.5	43.2
			85.3	55.9	.84S	.54T	335.6	63.5	.78D	.63T	302.0	4.6	36.5	44.3	207.3	45.3
ROTATION ABOUT A,C,B AXIS																
	-1.0		85.3	55.9	.83S	.55T	334.9	62.7	.78D	.63T	301.5	4.1	35.4	43.6	207.1	46.1
	5.4		85.3	55.9	.89S	.46T	339.2	67.7	.80D	.61T	304.6	7.3	42.7	47.5	208.1	41.6
	-5.6		81.8	60.7	.86S	.51T	335.6	63.5	.84D	.55T	299.2	1.8	31.2	48.5	207.7	41.4
	2.8		87.2	53.6	.83S	.55T	335.6	63.5	.75D	.66T	303.4	6.0	38.8	42.0	206.9	47.4
	-1.0		86.3	56.5	.84S	.55T	336.4	62.9	.78D	.62T	302.7	3.9	36.5	44.3	208.7	45.4
	.9		84.4	55.5	.85S	.53T	334.8	64.1	.78D	.63T	301.3	5.3	36.5	44.3	206.0	45.2
			CONE A		4 EXA	.77	CONE C		3 EXC	.70			CONE B		7 EXB	.24

118
APRIL 13, 1949 H = 19.55.41 47N 122.5W DEPTH NORMAL M = 7
HODGSON, J.H. AND STOREY, R.S. 1954 BULL. SEIS. SOC. AM., 44, 57.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		55-5	319	83			194	12					228	10		
	87.5	55-6	117.8	88.5	.22S	.98N	214.5	12.7	.99D	.12N	310.5	45.1	207.5	12.6	105.8	42.2
			117.8	88.5	.19S	.98N	215.5	11.1	.99D	.14N	308.9	45.4	207.5	11.0	107.2	42.5
ROTATION ABOUT A,C,B AXIS																
	-1.4		117.8	88.5	.17S	.99N	216.6	9.8	.99D	.16N	307.5	45.7	207.5	9.6	108.5	42.7
	5.4		117.8	88.5	.28S	.96N	212.9	16.5	1.00D	.09N	313.9	44.2	207.3	16.4	102.3	41.3
	-3.6		114.3	87.8	.19S	.98N	215.5	11.1	.98D	.20N	305.4	46.1	203.8	10.9	103.9	41.8
	.2		118.0	88.5	.19S	.98N	215.5	11.1	.99D	.13N	309.1	45.4	207.7	11.0	107.4	42.5
	0		117.8	88.5	.19S	.98N	215.5	11.1	.99D	.14N	308.9	45.4	207.5	11.0	107.2	42.5
	.7		117.7	89.2	.19S	.98N	211.9	11.1	1.00D	.07N	308.6	44.7	207.5	11.0	107.0	43.2
			CONE A		2 EXA	.82	CONE C		2 EXC	.90			CONE B		5 EXB	.44

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
88.2	55-7	327.0	79.5	.04S	1.00T	160.7	10.8	.23D	.97T	329.2	34.5	237.5	2.5	143.9	55.4
		326.9	79.6	.05S	1.00T	161.5	10.7	.25D	.97T	329.2	34.5	237.3	2.7	143.4	55.3
ROTATION ABOUT A,C,B AXIS															
-2.2		326.9	79.6	.01S	1.00T	149.6	10.4	.05D	1.00T	327.2	34.6	236.9	.5	146.2	55.4
3.0		326.9	79.6	.10S	1.00T	175.8	11.8	.48D	.88T	331.7	34.4	237.9	5.6	139.8	55.1
-0.8		326.0	79.6	.05S	1.00T	161.5	10.7	.26D	.97T	328.5	34.5	236.6	2.8	142.5	55.3
0		326.9	79.6	.05S	1.00T	161.5	10.7	.25D	.97T	329.2	34.5	237.3	2.7	143.4	55.3
0		326.9	79.6	.05S	1.00T	161.5	10.7	.25D	.97T	329.2	34.5	237.3	2.7	143.4	55.3
.2		326.8	79.4	.05S	1.00T	161.2	10.9	.24D	.97T	329.1	34.3	237.3	2.7	143.4	55.5
		CONE A		0 EXA	.75	CONE C		1 EXC	.96			CONE B		2 EXB	.85

119
APRIL 20, 1949 H = 03.29.00 38S 72.5W DEPTH 70 KM. M = 7.2
HODGSON, J.H. AND STOREY, R.S. 1954 BULL. SEIS. SOC. AM., 44, 57.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		45-7	323	90			233	90					-	90		
	82.8	43-7	328.5	88.8	1.00S	.07T	238.4	85.8	1.00D	.02T	13.4	2.1	254.4	85.6	103.5	3.8
			329.9	88.2	.99S	.12T	239.6	82.9	1.00D	.03T	14.4	3.8	253.9	82.6	104.9	6.4
ROTATION ABOUT A,C,B AXIS																
-11.8			329.9	88.2	.95S	.32T	239.2	71.1	1.00D	.03T	13.0	11.9	245.1	71.0	106.1	14.6
3.0			329.9	88.2	1.00S	.07T	239.7	85.9	1.00D	.03T	14.5	1.6	263.3	85.5	104.6	4.2
-3.6			149.4	88.2	.99S	.12N	239.6	82.9	1.00D	.03N	14.6	6.4	225.6	82.6	105.1	3.8
0			329.9	88.2	.99S	.12T	239.6	82.9	1.00D	.03T	14.4	3.8	253.9	82.6	104.9	6.4
-7.2			337.0	89.1	.99S	.13T	246.9	82.7	1.00D	.02T	21.6	4.5	253.9	82.6	112.1	5.8
.1			329.8	88.2	.99S	.12T	239.5	82.9	1.00D	.03T	14.4	3.8	253.9	82.6	104.9	6.4
			CONE A		5 EXA	.51	CONE C		10 EXC	.51			CONE B		7 EXB	.76

120
APRIL 23, 1949 H = 11.15.35 7.5S 120.7E DEPTH NORMAL M = 7.1
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.
BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA			225	70			45	20					135	0		
	88.9	14-1	202.8	82.5	.90S	.45T	109.1	63.8	.99D	.15T	243.3	12.7	127.5	62.6	339.0	23.8
			219.1	69.0	.39S	.92T	88.7	30.6	.71D	.70T	236.2	20.8	137.7	21.2	6.4	59.5
ROTATION ABOUT A,C,B AXIS																
-75.8			219.1	69.0	.80D	.60T	324.2	55.8	.90S	.43T	184.3	8.3	283.7	48.2	87.2	40.6
43.8			219.1	69.0	.92S	.40T	120.3	68.2	.92D	.39T	259.6	.5	168.7	59.0	349.9	31.0
-32.0			189.7	83.6	.50S	.87T	88.7	30.6	.98D	.22T	214.2	32.0	103.3	29.7	340.6	43.5
22.4			242.5	62.1	.22S	.97T	88.7	30.6	.39D	.92T	252.0	16.1	158.7	11.4	34.9	70.1
-12.8			224.1	80.9	.37S	.93T	112.2	23.2	.92D	.40T	242.0	32.5	137.7	21.2	20.6	49.6
19.2			209.8	51.6	.46S	.89T	69.7	45.9	.50D	.86T	228.9	3.0	137.7	21.2	326.6	68.6
			CONE A		42 EXA	.41	CONE C		62 EXC	.73			CONE B		81 EXB	.55

121
APRIL 25, 1949 H = 13.55.00 20S 69.5W DEPTH 100 KM. M = 7.2
HODGSON, J.H. AND STOREY, R.S. 1954 BULL. SEIS. SOC. AM., 44, 57.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON			-	-			-	-					-	-		
	82.0	48-9	323.9	49.4	.93S	.36N	67.9	74.2	.74D	.68N	204.5	40.8	354.4	45.1	100.6	15.5
			327.3	15.8	.89S	.46N	83.7	82.8	.24D	.97N	248.0	50.3	355.5	14.0	96.0	36.3
ROTATION ABOUT A,C,B AXIS																
	-1.4		327.3	15.8	.88S	.48N	85.1	82.5	.24D	.97N	249.5	50.6	356.9	13.8	97.2	36.0
	5.4		327.3	15.8	.93S	.37N	78.4	84.2	.25D	.97N	242.7	48.8	350.0	14.6	91.5	37.5
	-9.6		296.1	8.5	.53S	.85N	83.7	82.8	.08D	1.00N	258.5	52.0	354.3	4.5	87.8	37.6
	32.0		346.9	46.5	.99S	.17N	83.7	82.8	.72D	.69N	225.1	35.1	1.1	45.7	117.4	23.4
	-4.8		344.9	14.2	.98S	.18N	84.9	87.5	.24D	.97N	250.7	45.7	355.5	14.0	98.0	40.9
	1.6		322.3	16.6	.85S	.53N	83.3	81.3	.24D	.97N	247.1	51.7	355.5	14.0	95.5	34.8
			CONE A	16 EXA	.85		CONE C	7 EXC	.06				CONE B	17 EXB	.84	

122
* APRIL 30, 1949 H = 01.23.37 7N 125E DEPTH 150 KM. M = 7.4
RITSEMA, A.R. 1959 PUBL. DOM. OBS., 20, 341. DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		35-7	77	67			337	69					30	58		
	81.5	35-6	67.8	71.3	.93S	.35T	330.8	70.4	.94D	.34T	109.1	.6	18.0	62.3	199.5	27.7
			67.9	71.1	.93S	.36T	330.8	70.3	.94D	.34T	109.2	.5	18.2	62.1	199.5	27.9
ROTATION ABOUT A,C,B AXIS																
	-1.8		67.9	71.1	.92S	.39T	330.2	68.6	.94D	.35T	108.6	1.7	15.6	60.8	199.5	29.1
	0		67.9	71.1	.93S	.36T	330.8	70.3	.94D	.34T	109.2	.5	18.2	62.1	199.5	27.9
	-2.0		67.1	73.0	.94S	.35T	330.8	70.3	.95D	.31T	108.5	1.8	14.9	63.5	199.4	26.4
	6.4		70.4	65.2	.93S	.37T	330.8	70.3	.89D	.45T	291.5	3.3	26.7	57.4	199.3	32.4
	-1.6		69.4	71.7	.93S	.36T	332.4	69.7	.94D	.33T	110.7	1.3	18.2	62.1	201.4	27.9
	.4		67.5	71.0	.94S	.35T	330.4	70.4	.94D	.35T	109.0	.4	18.2	62.1	199.2	27.9
			CONE A	4 EXA	.76		CONE C	2 EXC	.10				CONE B	4 EXB	.79	

123
MAY 3, 1949 H = 05.56.42 49N 153E DEPTH 100 KM. M = 7
HODGSON, J.H. AND STOREY, R.S. 1954 BULL. SEIS. SOC. AM., 44, 57.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		57-7	359	71			264	75					318	65		
	87.8	57-7	359.2	71.4	.96S	.27T	264.1	75.3	.94D	.33T	222.2	2.6	318.1	66.0	131.0	23.8
			358.5	71.3	.96S	.27T	263.3	75.1	.94D	.33T	221.5	2.6	317.2	65.7	130.3	24.1
ROTATION ABOUT A,C,B AXIS																
	-10.2		358.5	71.3	.90S	.44T	259.6	65.5	.94D	.35T	38.1	3.8	301.9	58.4	130.4	31.3
	2.2		358.5	71.3	.97S	.23T	264.0	77.2	.94D	.33T	222.1	4.0	321.6	67.0	130.4	22.6
	-0.8		358.2	72.0	.96S	.27T	263.3	75.1	.95D	.32T	221.1	2.1	315.9	66.3	130.2	23.6
	.3		358.6	71.0	.96S	.27T	263.3	75.1	.94D	.34T	221.5	2.8	317.6	65.5	130.2	24.3
	-1.0		359.5	71.5	.96S	.28T	264.3	74.8	.94D	.33T	222.2	2.2	317.2	65.7	131.2	24.2
	.7		357.8	71.1	.96S	.27T	262.6	75.3	.94D	.34T	220.9	2.8	317.2	65.7	129.6	24.1
			CONE A	1 EXA	.35		CONE C	5 EXC	.86				CONE B	4 EXB	.91	

124
MAY 8, 1949 H = 21.24.30 20S 71W DEPTH 120 KM. M = 6.7
HODGSON, J.H. AND STOREY, R.S. 1954 BULL. SEIS. SOC. AM., 44, 57.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		28-2	22	78												
	86.0	28-3	17.0	76.0	.45S	.89T	261.5	30.0	.88D	.48T	37.9	26.2	294.0	26.0	166.1	51.5
			156.6	79.4	.23S	.97N	284.7	16.9	.77D	.63N	352.6	53.8	244.2	13.0	145.5	33.1
ROTATION ABOUT A,C,B AXIS																
	-63.0		156.6	79.4	.76D	.65N	57.8	50.6	.97S	.24N	295.2	35.4	78.9	48.6	191.3	18.6
	63.0		156.6	79.4	.97S	.24N	249.2	76.5	.98D	.19N	22.5	17.2	209.6	72.7	113.1	2.0
	-51.2		104.2	73.1	0D	1.00N	284.7	16.9	.01S	1.00N	284.0	61.9	14.2	.1	104.3	28.1
	57.6		32.3	84.7	.28S	.96T	284.7	16.9	.95D	.31T	46.7	37.7	303.8	16.1	195.2	47.9
	-14.4		160.2	65.4	.25S	.97N	308.7	28.3	.48D	.88N	6.3	66.5	244.2	13.0	149.6	19.2
	16.0		333.0	85.0	.23S	.97T	222.6	14.0	.93D	.36T	344.8	38.7	244.2	13.0	139.1	48.4

CONE A 58 EXA .72 CONE C 62 EXC .76 CONE B 117 EXB .14

125
JUNE 12, 1949 H = 17.52.24 27S 64W DEPTH 600 KM. M = 7
HODGSON, J.H. AND STOREY, R.S. 1954 BULL. SEIS. SOC. AM., 44, 57.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		37-5	B	69			268	67					316	58		
	85.1		337.0	85.2	.98S	.18T	246.1	79.7	1.00D	.08T	21.0	3.9	271.4	78.6	111.7	10.7
			337.2	85.2	.98S	.18T	246.3	79.5	1.00D	.09T	21.6	4.0	271.6	78.4	112.3	10.9
ROTATION ABOUT A,C,B AXIS																
	0		337.2	85.2	.98S	.18T	246.3	79.5	1.00D	.09T	21.6	4.0	271.6	78.4	112.3	10.9
	.6		337.2	85.2	.99S	.17T	246.4	80.1	1.00D	.09T	21.6	3.6	272.9	79.0	112.3	10.4
	-89.6		93.3	11.7	.45S	.89N	246.3	79.5	.09D	1.00N	59.8	55.2	157.3	5.2	250.9	34.3
	8.0		338.7	77.3	.98S	.19T	246.3	79.5	.97D	.22T	202.8	1.5	297.9	73.4	112.3	16.5
	-1.2		338.4	85.4	.98S	.18T	247.5	79.4	1.00D	.08T	22.6	4.2	271.6	78.4	113.4	10.8
	.2		337.0	85.1	.98S	.18T	246.1	79.5	1.00D	.09T	21.1	3.9	271.6	78.4	111.9	10.9

CONE A 12 EXA .99 CONE C 1 EXC .57 CONE B 8 EXB .99

126
JUNE 24, 1949 H = 22.38.36 6.2S 105.7E DEPTH 50 KM. M = 7
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		30-3	214	86			309	45					300	45		
	89.9	27-3	322.7	71.7	.99S	.11N	54.6	84.2	.95D	.32N	189.9	17.1	341.4	70.7	97.2	8.7
			323.8	74.0	1.00S	.10N	55.4	84.5	.96D	.28N	190.5	15.3	343.7	73.0	98.5	7.3
ROTATION ABOUT A,C,B AXIS																
	-1.0		323.8	74.0	.99S	.12N	55.6	83.5	.96D	.28N	190.5	15.9	346.9	72.7	98.6	6.6
	3.8		323.8	74.0	1.00S	.03N	54.3	88.2	.96D	.28N	190.3	12.5	330.7	73.9	98.1	9.9
	-2.4		323.5	71.6	.99S	.10N	55.4	84.5	.95D	.32N	190.9	16.9	341.4	70.8	98.2	8.9
	5.6		324.3	79.6	1.00S	.10N	55.4	84.5	.98D	.18N	190.1	11.3	352.7	78.2	99.4	3.4
	-12.8		337.1	73.2	1.00S	.03N	67.7	88.1	.96D	.29N	203.4	13.2	343.7	73.0	110.9	10.5
	1.4		322.3	74.2	.99S	.11N	54.0	84.1	.96D	.27N	189.0	15.5	343.7	73.0	97.1	6.9

CONE A 11 EXA .44 CONE C 8 EXC .66 CONE B 6 EXB .40

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	88.2	27-3	309.2	35.2	.99S	.12T	213.8	86.2	.57D	.82T	185.2	32.1	301.1	34.9	65.0	38.7
			17.6	31.7	.39D	.92T	171.2	61.0	.23S	.97T	181.0	15.0	87.8	11.8	321.1	70.7
ROTATION ABOUT A,C,B AXIS																
	-15.0		17.6	31.7	.61D	.79T	155.1	65.5	.36S	.93T	170.5	18.0	74.1	18.9	300.9	63.4
	18.2		17.6	31.7	.08D	1.00T	192.1	58.4	.05S	1.00T	194.2	13.4	103.6	2.5	3.2	76.4
	-57.6		287.8	51.0	.78S	.62T	171.2	61.0	.70D	.72T	141.5	5.9	236.0	37.5	44.0	51.9
	57.6		71.8	73.6	.86D	.51T	171.2	61.0	.95S	.32T	33.7	8.2	136.0	55.9	298.3	32.8
	-28.8		5.0	59.2	.24D	.97T	159.4	33.5	.37S	.93T	355.0	13.2	87.8	11.8	218.3	72.2
	9.6		27.1	23.2	.52D	.85T	173.5	70.4	.22S	.98T	183.2	24.4	87.8	11.8	334.1	62.6
			CONE A		67 EXA	.67	CONE C		36 EXC	.14			CONE B		62 EXB	.71

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	87.5	27-4	353.5	85.6	.92S	.38N	85.3	67.5	1.00D	.08N	217.1	19.0	73.0	67.0	311.5	12.5
			347.4	86.9	.93S	.38N	78.7	67.9	1.00D	.06N	210.9	17.8	69.9	67.6	305.2	13.2
ROTATION ABOUT A,C,B AXIS																
	-88.6		347.4	86.9	.35D	.94N	249.3	21.0	.99S	.15N	146.9	44.3	258.6	20.7	6.1	38.5
	15.0		347.4	86.9	.99S	.12N	77.8	82.8	1.00D	.05N	212.4	7.2	54.2	82.2	302.7	2.9
	-0.8		347.1	86.2	.93S	.38N	78.7	67.9	1.00D	.07N	210.6	18.3	67.8	67.5	304.9	12.7
	8.0		170.4	85.7	.93S	.38T	78.7	67.9	1.00D	.08T	212.5	12.3	90.9	67.4	306.8	18.6
	-3.2		350.4	85.7	.93S	.37N	82.1	68.1	1.00D	.08N	214.2	18.5	69.9	67.6	308.3	12.2
	2.4		345.2	87.8	.93S	.38N	76.1	67.7	1.00D	.04N	208.5	17.2	69.9	67.6	302.9	13.9
			CONE A		7 EXA	.36	CONE C		24 EXC	.95			CONE B		30 EXB	.92

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	84.4	27-4	351.2	80.2	1.00S	.03T	260.9	88.1	.99D	.17T	216.4	5.6	340.0	80.0	125.6	8.3
			351.2	80.2	1.00S	.03T	260.9	88.1	.99D	.17T	216.4	5.6	340.0	80.0	125.6	8.3
ROTATION ABOUT A,C,B AXIS																
	-6.2		351.2	80.2	.99S	.14T	259.8	82.0	.99D	.17T	215.6	1.3	311.2	77.3	125.3	12.6
	7.0		351.2	80.2	1.00S	.09N	82.1	85.0	.99D	.17N	216.9	10.5	18.7	79.0	126.3	3.4
	-3.6		351.1	83.8	1.00S	.03T	260.9	88.1	.99D	.11T	216.1	3.0	333.9	83.5	125.8	5.7
	4.8		351.4	75.4	1.00S	.03T	260.9	88.1	.97D	.25T	217.0	8.9	343.6	75.3	125.2	11.6
	-4.8		356.1	80.4	1.00S	.05T	265.6	87.3	.99D	.17T	221.1	4.9	340.0	80.0	130.4	8.7
	25.6		325.2	80.3	1.00S	.04N	55.6	87.5	.99D	.17N	190.9	8.6	340.0	80.0	100.1	5.1
			CONE A		16 EXA	.72	CONE C		20 EXC	.57			CONE B		11 EXB	.36

127
JULY 10, 1949 H = 03.53.36 39N 71E DEPTH NORMAL M = 7.8
HODGSON, J.H. AND STOREY, R.S. 1954 BULL. SEIS. SOC. AM., 44, 57.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		58-12	-	-			341	76					-	-		
	79.6	59-11	173.7	43.5	.91S	.42T	65.2	73.3	.65D	.76T	36.2	18.0	141.3	38.7	286.6	45.8
			207.5	48.8	.82S	.58T	92.5	64.3	.68D	.73T	63.3	9.2	160.5	37.9	322.0	50.6
ROTATION ABOUT A,C,B AXIS																
	-6.2		207.5	48.8	.75S	.66T	87.3	60.2	.65D	.76T	59.7	6.6	154.2	34.3	320.3	54.9
	10.2		207.5	48.8	.91S	.42T	100.4	71.5	.72D	.70T	68.8	14.0	172.2	43.0	325.0	43.7
	-8.0		201.9	55.4	.85S	.53T	92.5	64.3	.78D	.63T	59.0	5.4	154.4	44.5	323.6	45.0
	2.0		209.0	47.1	.81S	.59T	92.5	64.3	.66D	.75T	64.4	10.1	161.9	36.2	321.3	52.0
	-4.0		211.7	51.1	.79S	.61T	95.6	61.4	.70D	.71T	65.8	6.1	160.5	37.9	328.1	51.4
	9.6		196.1	43.8	.89S	.46T	85.6	71.5	.65D	.76T	57.1	16.6	160.5	37.9	308.1	47.3
			CONE A		12 EXA	.26	CONE C		15 EXC	.17			CONE B		13 EXB	.39

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
79.1	59-12	336.3	75.1	.09S	1.00N	136.9	15.8	.32D	.95N	163.6	59.6	65.0	5.0	332.1	29.9
		131.3	79.0	.07D	1.00T	289.8	11.8	.36S	.93T	127.7	33.9	220.5	4.2	316.7	55.8
ROTATION ABOUT A,C,B AXIS															
-50.2		131.3	79.0	.81D	.58T	229.0	55.2	.97S	.23T	94.6	15.5	206.3	53.1	354.3	32.5
63.0		131.3	79.0	.85S	.52T	34.7	59.3	.98D	.22T	169.6	13.1	58.7	57.0	267.2	29.7
-32.0		98.6	78.4	.04S	1.00T	289.8	11.8	.19D	.98T	100.5	33.4	9.1	2.2	275.8	56.5
11.2		142.6	80.1	.11D	.99T	289.8	11.8	.53S	.85T	137.1	34.8	231.5	6.3	330.4	54.5
-19.2		309.9	81.8	.07D	1.00N	157.5	9.2	.46S	.89N	124.9	53.0	220.5	4.2	313.6	36.7
4.8		131.7	74.2	.08D	1.00T	295.9	16.3	.26S	.97T	128.2	29.1	220.5	4.2	318.0	60.6
		CONE A	32 EXA	.44		CONE C	52 EXC	.79				CONE B	70 EXB	.62	

128
JULY 23, 1949 H = 10.26.49 18.5S 169E DEPTH 200 KM. M = 7.3
HODGSON, J.H. AND STOREY, R.S. 1954 BULL. SEIS. SOC. AM., 44, 57.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		46-1	230	85			139	67					151	66		
	98.1	45-1	213.8	88.2	.99S	.16T	123.5	80.9	1.00D	.03T	258.3	5.2	134.9	80.7	349.0	7.7
			237.9	78.1	.73S	.69T	136.9	47.8	.96D	.28T	270.9	19.2	160.2	45.4	16.9	38.3
ROTATION ABOUT A,C,B AXIS																
-3.0			237.9	78.1	.69S	.72T	135.7	44.9	.96D	.29T	269.4	20.8	159.0	42.5	18.1	40.3
37.4			237.9	78.1	.99S	.10T	146.7	84.2	.98D	.21T	102.7	4.3	211.1	76.7	11.7	12.6
-16.0			227.0	89.9	.74S	.67T	136.9	47.8	1.00D	0T	263.5	28.3	137.1	47.8	10.4	28.4
2.4			239.6	76.4	.72S	.69T	136.9	47.8	.95D	.32T	272.1	18.0	163.4	44.6	17.8	39.9
-9.6			244.9	84.8	.71S	.70T	149.8	45.9	.99D	.13T	278.9	25.4	160.2	45.4	27.4	33.8
.4			237.6	77.8	.73S	.69T	136.4	47.9	.96D	.28T	270.5	18.9	160.2	45.4	16.4	38.5
			CONE A	14 EXA	.46		CONE C	20 EXC	.75				CONE B	27 EXB	.54	

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
96.4	45-2	23.0	55.9	.92S	.40T	279.4	70.8	.81D	.59T	244.2	9.4	345.4	49.5	146.5	38.9
		28.5	22.4	.71S	.70T	256.1	74.5	.28D	.96T	243.2	27.7	341.7	15.7	97.8	57.5
ROTATION ABOUT A,C,B AXIS															
-3.0		28.5	22.4	.67S	.74T	253.1	73.7	.27D	.96T	240.9	27.1	338.7	14.9	94.4	58.5
21.4		28.5	22.4	.92S	.39T	276.9	81.4	.35D	.94T	259.4	33.2	3.6	20.5	119.5	49.4
-44.8		354.5	62.3	.95S	.30T	256.1	74.5	.88D	.48T	217.4	8.0	320.2	57.6	122.5	31.2
51.2		145.1	37.7	.90D	.44T	256.1	74.5	.57S	.82T	281.9	21.7	176.7	33.4	38.7	48.4
-1.8		31.7	23.7	.68S	.74T	256.7	72.7	.28D	.96T	243.8	25.9	341.7	15.7	99.7	59.1
9.6		4.6	17.0	.93S	.37T	253.4	83.7	.27D	.96T	239.6	36.8	341.7	15.7	90.5	48.9
		CONE A	33 EXA	.88		CONE C	17 EXC	.53				CONE B	48 EXB	.75	

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JULY 23, 1949 H = 15.03.30 38.5N 26.5E DEPTH NORMAL M = 7
HODGSON, J.H. AND STOREY, R.S. 1954 BULL. SEIS. SOC. AM., 44, 57.
SOBOUTI, M. 1964 DOCTORAL THESIS, U. OF PARIS. DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON			-	-			-	-					-	-		
	75.6	50-11	233.6	60.8	.81S	.58N	343.0	59.3	.82D	.57N	107.7	44.9	289.5	45.1	198.6	.9
			232.5	61.4	.80S	.60N	342.4	58.1	.83D	.56N	106.1	45.4	290.1	44.5	198.1	2.0
ROTATION ABOUT A,C,B AXIS																
	-3.8		232.5	61.4	.76S	.65N	345.1	55.0	.81D	.59N	105.8	48.1	293.5	41.6	200.1	3.9
	3.0		232.5	61.4	.83S	.56N	340.5	60.6	.83D	.55N	106.2	43.3	287.2	46.7	196.7	.5
	-0.5		232.2	61.0	.80S	.60N	342.4	58.1	.82D	.57N	106.1	45.8	289.6	44.1	197.9	1.8
	.7		233.0	61.9	.80S	.60N	342.4	58.1	.83D	.55N	106.2	45.0	290.9	44.9	198.6	2.3
	-1.8		234.2	60.3	.81S	.59N	344.2	59.1	.82D	.58N	108.6	45.5	290.1	44.5	199.4	.7
	.1		232.5	61.4	.80S	.60N	342.3	58.0	.83D	.56N	106.0	45.4	290.1	44.5	198.1	2.1
			CONE A		2 EXA	.37	CONE C		4 EXC	.72			CONE B		3 EXB	.82

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
SOBOUTI	86.1	26-3	80.4	63.1	.53S	.85T	314.3	40.7	.72D	.69T	102.9	12.5	6.1	28.0	214.4	58.9
			100.6	69.8	.54S	.84T	342.5	38.0	.83D	.56T	124.4	18.2	23.1	30.7	240.5	53.2
ROTATION ABOUT A,C,B AXIS																
	-11.8		100.6	69.8	.36S	.93T	328.8	28.9	.70D	.71T	116.5	22.0	18.1	19.8	250.1	59.7
	18.2		100.6	69.8	.78S	.63T	355.0	53.9	.90D	.43T	134.5	9.9	33.7	46.9	233.4	41.4
	-28.8		76.7	86.8	.61S	.79T	342.5	38.0	1.00D	.09T	107.2	31.2	349.2	37.8	224.0	36.6
	16.0		115.8	61.9	.45S	.89T	342.5	38.0	.64D	.77T	134.8	13.0	39.1	23.3	251.6	63.0
	-6.4		104.2	75.3	.53S	.85T	351.9	34.7	.89D	.45T	128.2	23.7	23.1	30.7	249.1	49.5
	12.8		92.5	59.3	.59S	.81T	327.8	46.2	.71D	.71T	117.5	7.4	23.1	30.7	219.6	58.2
			CONE A		29 EXA	.57	CONE C		24 EXC	.36			CONE B		37 EXB	.33

COMBINATION OF HODGSON AND SOBOUTI. IN CASES OF DISAGREEMENT OF DATA STATION IS DISCARDED

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	72.1	56-14	231.4	64.4	.72S	.69N	343.7	51.5	.83D	.55N	101.6	48.2	297.0	40.8	200.3	7.7
			231.1	64.6	.78S	.62N	340.0	55.6	.85D	.52N	101.9	44.6	292.9	44.9	197.4	5.5
ROTATION ABOUT A,C,B AXIS																
	-7.0		231.1	64.6	.70S	.72N	344.8	49.7	.83D	.56N	100.6	49.5	298.4	39.1	201.1	8.9
	6.2		231.1	64.6	.84S	.54N	336.4	61.0	.87D	.49N	102.5	40.2	287.1	49.7	194.4	2.3
	-1.2		230.3	63.7	.78S	.63N	340.0	55.6	.84D	.54N	101.7	45.5	291.6	44.1	196.8	4.9
	.7		231.6	65.2	.78S	.62N	340.0	55.6	.86D	.51N	102.0	44.1	293.7	45.3	197.7	5.9
	-1.6		232.5	63.6	.79S	.62N	341.7	56.5	.85D	.53N	104.2	44.8	292.9	44.9	198.6	4.3
	7.2		225.1	69.2	.75S	.66N	332.2	52.1	.89D	.45N	92.2	43.2	292.9	44.9	192.2	10.5
			CONE A		4 EXA	.78	CONE C		11 EXC	.33			CONE B		5 EXB	.86

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AUGUST 5, 1949 H = 19.08.47 1S 78W DEPTH NORMAL M = 7
HODGSON, J.H. AND STOREY, R.S. 1954 BULL. SEIS. SOC. AM., 44, 57.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		45-7	88	77			352	66					24	62		
	85.1	45-7	355.2	67.7	.98S	.21N	89.9	78.8	.92D	.39N	224.4	23.9	24.8	64.8	131.1	7.5
			355.2	67.7	.98S	.21N	89.9	78.8	.92D	.39N	224.4	23.9	24.8	64.8	131.1	7.5
ROTATION ABOUT A,C,B AXIS																
	-1.0		355.2	67.7	.97S	.23N	90.2	77.9	.92D	.39N	224.6	24.6	26.9	64.3	131.5	6.9
	4.6		355.2	67.7	.99S	.13N	88.1	83.0	.92D	.38N	223.7	20.7	14.5	66.6	129.7	10.5
	-2.8		354.5	65.0	.98S	.21N	89.9	78.8	.90D	.43N	224.7	25.8	22.0	62.3	130.1	9.3
	6.4		356.6	74.0	.98S	.20N	89.9	78.8	.96D	.28N	223.9	19.4	33.5	70.3	132.8	3.3
	-4.8		.3	66.8	.98S	.18N	94.3	80.7	.92D	.40N	229.6	23.1	24.8	64.8	135.5	9.5
	8.0		346.9	69.6	.97S	.26N	82.2	75.8	.93D	.36N	215.7	24.8	24.8	64.8	123.7	4.2
			CONE A		11 EXA	.28	CONE C		8 EXC	.56			CONE B		7 EXB	.39

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	81.0	45-8	55.5	65.7	.76S	.65T	306.0	53.6	.86D	.51T	88.2	7.4	351.1	43.7	185.8	45.3
			76.3	41.7	.43D	.90T	224.0	53.0	.35S	.93T	238.6	5.9	146.9	16.5	347.7	72.5
ROTATION ABOUT A,C,B AXIS																
	-63.0		76.3	41.7	1.00D	.03T	167.6	88.8	.66S	.75T	200.8	30.9	78.6	41.7	313.6	32.9
	63.0		76.3	41.7	.61S	.79T	302.3	58.3	.48D	.88T	282.3	9.0	16.3	24.0	173.2	64.1
	-64.0		346.6	54.4	.67S	.74T	224.0	53.0	.68D	.73T	15.1	.8	284.5	33.2	106.3	56.8
	44.8		118.7	70.7	.77D	.64T	224.0	53.0	.91S	.41T	85.0	11.1	187.0	46.7	345.2	41.2
	-28.8		63.5	68.6	.30D	.95T	202.3	27.5	.61S	.79T	50.1	21.7	146.9	16.5	271.0	62.3
	32.0		123.9	17.8	.93D	.37T	234.9	83.4	.29S	.96T	249.4	36.3	146.9	16.5	37.0	49.0
			CONE A		81 EXA	.44	CONE C		88 EXC	.52			CONE B		117 EXB	.14

131
AUGUST 6, 1949 H = 00.35.37 19.2S 174.7W DEPTH 100 KM. M = 7.5
WEBB, J.P. 1954 DOCTORAL THESIS, ST. LOUIS UNIVERSITY.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
WEBB			315	80			218	65					245	63		
	92.7	34-2	301.5	84.1	.77S	.64T	206.6	50.8	.99D	.13T	337.6	22.0	218.6	50.2	81.8	31.3
			301.9	72.3	.72S	.69T	195.7	48.9	.92D	.40T	333.7	14.5	229.5	43.6	77.6	42.8
ROTATION ABOUT A,C,B AXIS																
	-0.8		301.9	72.3	.71S	.70T	195.3	48.2	.91D	.41T	333.4	14.9	229.1	42.9	77.9	43.3
	27.8		301.9	72.3	.96S	.27T	206.9	75.0	.95D	.31T	164.7	1.8	258.9	66.5	73.9	23.4
	-19.2		288.7	86.6	.75S	.66T	195.7	48.9	1.00D	.08T	324.7	25.0	202.6	48.7	70.6	30.4
	1.0		302.6	71.6	.72S	.69T	195.7	48.9	.91D	.42T	334.3	14.0	230.8	43.2	78.0	43.5
	-12.8		311.2	81.3	.70S	.72T	212.4	44.9	.98D	.21T	343.6	23.2	229.5	43.6	92.7	37.4
	.3		301.6	72.1	.73S	.69T	195.4	49.1	.91D	.41T	333.5	14.2	229.5	43.6	77.1	42.9
			CONE A		16 EXA	.35	CONE C		19 EXC	.54			CONE B		24 EXB	.29

132
AUGUST 22, 1949 H = 04.01.09 54.1N 132.6W DEPTH NORMAL M = 8.1
HODGSON, J.H. AND MILNE, W.G. 1951 BULL. SEIS. SOC. AM., 41, 221.
PUBLISHED SOLUTION MODIFIED IN LATER UNPUBLISHED STUDIES

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON	89.8	80-10	149.3	78.7	.99S	.12T	57.9	83.0	.98D	.20T	13.9	3.0	116.7	76.6	283.2	13.0
			149.2	78.8	.99S	.12T	57.8	83.0	.98D	.20T	13.9	2.9	116.5	76.8	283.3	12.9
ROTATION ABOUT A,C,B AXIS																
	-1.4		149.2	78.8	.99S	.15T	57.6	81.7	.98D	.20T	13.5	2.0	111.6	76.0	283.0	13.8
	1.8		149.2	78.8	1.00S	.09T	58.2	84.8	.98D	.20T	14.1	4.2	123.7	77.6	283.3	11.6
	-1.8		149.0	80.6	.99S	.12T	57.8	83.0	.99D	.16T	13.8	1.7	111.9	78.2	283.5	11.7
	2.8		149.6	76.0	.99S	.13T	57.8	83.0	.97D	.24T	14.4	4.9	122.0	74.3	283.1	14.9
	-2.4		151.6	79.1	.99S	.13T	60.2	82.6	.98D	.19T	16.0	2.4	116.5	76.8	285.5	13.0
	0		149.2	78.8	.99S	.12T	57.8	83.0	.98D	.20T	13.9	2.9	116.5	76.8	283.3	12.9
			CONE A		3 EXA	.48	CONE C		3 EXC	.25			CONE B		4 EXB	.30

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	87.8	80-11	136.0	65.9	1.00S	.07N	227.6	86.4	.91D	.41N	4.4	19.5	145.6	65.6	269.3	14.1
			132.5	64.4	1.00S	.08N	224.4	85.9	.90D	.43N	1.3	20.9	142.8	64.0	265.6	14.8
ROTATION ABOUT A,C,B AXIS																
	-3.8		132.5	64.4	.99S	.14N	226.1	82.5	.90D	.44N	2.1	23.4	151.1	63.2	266.7	12.3
	1.0		132.5	64.4	1.00S	.06N	224.0	86.8	.90D	.43N	1.1	20.2	140.5	64.2	265.3	15.4
	-1.6		132.3	62.8	1.00S	.08N	224.4	85.9	.89D	.46N	1.6	21.9	142.2	62.5	265.1	15.8
	1.8		132.6	66.2	1.00S	.08N	224.4	85.9	.91D	.40N	1.0	19.6	143.5	65.8	266.0	13.6
	-2.8		135.6	64.2	1.00S	.06N	226.9	87.2	.90D	.44N	4.4	20.0	142.8	64.0	268.5	15.9
	.9		131.5	64.5	1.00S	.09N	223.6	85.6	.90D	.43N	.6	21.1	142.8	64.0	264.9	14.5
			CONE A		4 EXA	.08	CONE C		4 EXC	.23			CONE B		4 EXB	.29

133
AUGUST 25, 1949 H = 04.14.25 52.5N 178W DEPTH NORMAL M = 6.5
HODGSON, J.H. AND STOREY, R.S. 1954 BULL. SEIS. SOC. AM., 44, 57.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		27-1	-	-			279	83					-	-		
	94.2	27-1	329.1	68.6	1.00S	.02N	59.6	88.7	.93D	.36N	196.4	15.9	332.9	68.6	102.3	14.0
			5.7	27.3	.43S	.90T	213.6	65.5	.21D	.98T	204.3	19.6	298.4	11.3	56.7	67.2
ROTATION ABOUT A,C,B AXIS																
	-56.6		5.7	27.3	.99S	.14T	268.4	86.2	.45D	.89T	245.1	35.6	356.5	27.0	114.3	42.5
	63.0		5.7	27.3	.61D	.79T	144.6	68.8	.30S	.95T	157.8	21.9	61.1	16.3	297.4	62.2
	-64.0		105.4	55.6	.86D	.50T	213.6	65.5	.78S	.62T	247.4	6.1	151.2	45.5	343.3	43.9
	57.6		312.2	71.9	.90S	.44T	213.6	65.5	.94D	.34T	351.8	4.2	254.8	58.7	84.3	30.9
	-38.4		22.8	64.0	.22S	.98T	229.7	28.7	.41D	.91T	32.1	18.1	298.4	11.3	178.0	68.5
	38.4		247.8	17.4	.65S	.76N	25.7	76.9	.20D	.98N	190.8	56.6	298.4	11.3	35.3	31.0
			CONE A		97 EXA	.37	CONE C		96 EXC	.36			CONE B		121 EXB	.02

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	96.1	27-1	27.5	40.9	.97S	.24T	287.0	81.0	.64D	.77T	256.8	25.1	9.5	39.5	143.6	40.2
			4.7	23.9	.46S	.89T	214.3	69.0	.20D	.98T	205.5	23.2	300.1	10.7	53.1	64.2
ROTATION ABOUT A,C,B AXIS																
	-56.6		4.7	23.9	.49D	.87T	153.3	69.3	.21S	.98T	162.7	23.4	67.7	11.4	313.6	63.7
	56.6		4.7	23.9	.99S	.10T	269.3	87.6	.40D	.92T	248.1	38.1	358.2	23.7	112.0	42.6
	-57.6		312.1	70.6	.92S	.38T	214.3	69.0	.93D	.36T	352.9	1.1	261.0	60.7	83.5	29.3
	64.0		108.9	55.4	.90D	.44T	214.3	69.0	.79S	.61T	248.9	8.5	149.4	47.7	346.4	41.0
	-38.4		23.9	60.4	.21S	.98T	227.9	31.8	.35D	.94T	32.9	14.6	300.1	10.7	175.1	71.8
	38.4		241.6	20.0	.55S	.84N	26.9	73.3	.19D	.98N	190.8	60.2	300.1	10.7	35.7	27.5
			CONE A	97 EXA	.37		CONE C	93 EXC	.32				CONE B	117 EXB	.07	

134
SEPTEMBER 27, 1949 H = 15.30.43 60N 149W DEPTH NORMAL M = 7.1
HODGSON, J.H. AND STOREY, R.S. 1954 BULL. SEIS. SOC. AM., 44, 57.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		55-5	20	72												
	92.7	55-5	277.0	62.9	.95S	.32N	15.7	73.4	.88D	.47N	148.8	31.6	313.6	57.5	54.5	6.9
			261.2	24.2	.98S	.21T	160.3	85.1	.40D	.92T	139.8	35.8	248.1	23.6	3.9	44.8
ROTATION ABOUT A,C,B AXIS																
	-27.8		261.2	24.2	.96S	.27N	5.7	83.6	.40D	.92N	161.8	46.4	278.5	23.2	25.6	34.5
	7.0		261.2	24.2	.95S	.33T	153.8	82.4	.39D	.92T	134.5	33.4	240.6	22.8	358.0	47.7
	-38.4		52.4	15.5	.95D	.32T	160.3	85.1	.25S	.97T	173.5	38.4	71.5	14.7	324.7	47.9
	64.0		250.5	87.7	1.00S	.08T	160.3	85.1	1.00D	.04T	295.3	1.8	185.7	84.6	25.4	5.1
	-5.6		273.9	25.9	.92S	.40T	162.5	80.0	.41D	.91T	143.0	30.9	248.1	23.6	8.7	49.4
	1.4		257.8	23.9	.99S	.15T	159.7	86.4	.40D	.92T	138.9	37.0	248.1	23.6	2.8	43.7
			CONE A	27 EXA	.93		CONE C	16 EXC	.80				CONE B	60 EXB	.66	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	90.6	55-6	89.4	88.0	.99S	.12T	359.1	82.9	1.00D	.03T	133.8	3.6	14.8	82.6	224.2	6.5
			242.1	84.5	.97S	.23T	150.8	76.8	1.00D	.10T	285.6	5.4	174.0	75.7	16.9	13.2
ROTATION ABOUT A,C,B AXIS																
	-3.8		242.1	84.5	.99S	.16T	151.2	80.6	1.00D	.10T	286.1	2.7	181.8	79.1	16.7	10.5
	.6		242.1	84.5	.97S	.24T	150.7	76.2	1.00D	.10T	285.5	5.8	173.1	75.1	16.9	13.7
	-76.8		300.5	15.2	.49S	.87T	150.8	76.8	.13D	.99T	144.5	31.4	239.0	7.4	340.8	57.5
	19.2		57.6	76.8	.97S	.23N	150.8	76.8	.97D	.24N	284.1	18.9	104.1	71.1	194.1	-0.0
	-1.0		243.0	84.8	.97S	.23T	151.8	76.7	1.00D	.09T	286.8	5.7	174.0	75.7	18.2	13.1
	3.2		238.9	83.8	.97S	.22T	147.5	77.1	.99D	.11T	282.6	4.7	174.0	75.7	13.8	13.5
			CONE A	20 EXA	.96		CONE C	4 EXC	.05				CONE B	21 EXB	.95	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	90.4	55-6	258.4	65.0	1.00S	.02T	167.8	88.7	.91D	.42T	125.9	16.4	255.0	65.0	30.3	18.3
			262.2	23.6	.97S	.24T	159.2	84.4	.39D	.92T	139.5	35.4	246.9	22.8	2.5	45.8
ROTATION ABOUT A,C,B AXIS																
	-7.0		262.2	23.6	.93S	.36T	152.7	81.7	.38D	.93T	134.2	33.1	239.4	21.9	356.5	48.6
	31.0		262.2	23.6	.96S	.29N	7.8	83.3	.39D	.92N	164.2	46.9	280.5	22.5	27.0	34.4
	-44.8		251.5	67.8	.99S	.11T	159.2	84.4	.93D	.38T	117.3	11.4	235.8	67.1	23.2	19.6
	38.4		49.8	16.4	.94D	.34T	159.2	84.4	.27S	.96T	173.0	37.5	70.8	15.4	322.8	48.3
	-4.8		273.2	25.1	.91S	.41T	161.1	80.0	.39D	.92T	142.2	31.2	246.9	22.8	6.6	49.7
	1.4		258.8	23.3	.98S	.19T	158.7	85.7	.39D	.92T	138.7	36.6	246.9	22.8	1.4	44.6
			CONE A	23 EXA	.93		CONE C	15 EXC	.84				CONE B	56 EXB	.54	

135
OCTOBER 31, 1949 H = 01.39.32 56N 135W DEPTH NORMAL M = 6.7
HODGSON, J.H. AND STOREY, R.S. 1954 BULL. SEIS. SOC. AM., 44, 57.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON			-	-			-	-					-	-		
	90.3	41-4	359.2	63.1	.83S	.56T	252.0	59.8	.85D	.52T	34.9	2.1	302.7	47.4	126.8	42.5
			13.2	40.9	.49S	.87T	230.0	55.2	.39D	.92T	213.7	7.5	306.3	18.8	102.9	69.6
ROTATION ABOUT A,C,B AXIS																
	-37.4		13.2	40.9	.14D	.99T	182.7	49.5	.12S	.99T	187.6	4.3	97.2	5.2	317.1	83.2
	56.6		13.2	40.9	1.00S	.07T	280.2	87.4	.65D	.76T	247.9	30.1	8.0	40.8	134.4	34.5
	-44.8		333.0	72.0	.80S	.60T	230.0	55.2	.93D	.38T	8.2	10.6	265.4	49.6	106.7	38.4
	32.0		65.3	35.8	.22D	.98T	230.0	55.2	.15S	.99T	236.4	9.8	145.1	7.3	19.0	77.7
	-22.4		25.5	61.3	.37S	.93T	244.9	35.4	.56D	.83T	41.1	13.7	306.3	18.8	165.0	66.4
	11.2		2.7	31.6	.62S	.79T	225.2	65.6	.35D	.94T	209.9	18.1	306.3	18.8	79.2	63.4
			CONE A	51 EXA	.56		CONE C	56 EXC	.64				CONE B	85 EXB	.18	

136
NOVEMBER 3, 1949 H = 01.12.37 48N 154E DEPTH 200 KM. M = 6.8
HODGSON, J.H. AND STOREY, R.S. 1954 BULL. SEIS. SOC. AM., 44, 57.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		57-4	115	79			23	77					63	73		
	92.7	57-4	24.4	82.5	.99S	.17N	115.7	80.2	.99D	.13N	249.9	12.3	77.6	77.6	340.3	1.6
			24.2	82.6	.99S	.17N	115.5	80.3	.99D	.13N	249.6	12.1	77.4	77.8	340.0	1.6
ROTATION ABOUT A,C,B AXIS																
	-1.8		24.2	82.6	.98S	.20N	115.7	78.5	.99D	.13N	249.6	13.4	82.1	76.3	340.3	2.9
	0		24.2	82.6	.99S	.17N	115.5	80.3	.99D	.13N	249.6	12.1	77.4	77.8	340.0	1.6
	-5.6		23.2	77.1	.98S	.17N	115.5	80.3	.97D	.23N	249.7	16.1	61.4	73.7	159.0	2.2
	.9		24.4	83.5	.99S	.17N	115.5	80.3	.99D	.12N	249.7	11.5	81.0	78.3	340.1	2.2
	-2.8		27.0	82.1	.99S	.16N	118.3	80.7	.99D	.14N	252.7	12.2	77.4	77.8	342.9	1.0
	.4		23.8	82.7	.99S	.17N	115.1	80.2	.99D	.13N	249.0	12.1	77.4	77.8	339.3	1.7
			CONE A	5 EXA	.51		CONE C	2 EXC	.44				CONE B	3 EXB	.72	

137
NOVEMBER 22, 1949 H = 00.51.32 29S 178W DEPTH NORMAL M = 7.3
HODGSON, J.H. AND STOREY, R.S. 1954 BULL. SEIS. SOC. AM., 44, 57.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		44-5	50	88			319	86					354	85		
	91.8	40-4	50.3	88.3	.98S	.20T	319.9	78.7	1.00D	.03T	94.5	6.7	328.7	78.6	185.6	9.2
			50.2	88.3	.98S	.20T	319.9	78.6	1.00D	.03T	94.4	6.9	328.5	78.4	185.5	9.3
ROTATION ABOUT A,C,B AXIS																
	-3.0		50.2	88.3	.97S	.25T	319.8	75.6	1.00D	.03T	94.1	8.9	326.8	75.5	185.9	11.3
	6.2		50.2	88.3	1.00S	.09T	320.0	84.8	1.00D	.03T	94.9	2.5	338.1	84.5	185.1	4.9
	-0.3		50.1	88.6	.98S	.20T	319.9	78.6	1.00D	.03T	94.5	7.0	327.1	78.5	185.6	9.0
	.2		50.2	88.1	.98S	.20T	319.9	78.6	1.00D	.03T	94.4	6.7	329.5	78.4	185.5	9.4
	-4.0		54.1	89.1	.98S	.20T	323.9	78.5	1.00D	.02T	98.4	7.5	328.5	78.4	189.6	8.8
	.2		50.0	88.3	.98S	.20T	319.7	78.6	1.00D	.03T	94.4	6.9	328.5	78.4	185.5	9.3
			CONE A		1 EXA	.88	CONE C		6 EXC	.54			CONE B		2 EXB	.95

WITH ADDITIONAL DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE
OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
87.3	47-7	54.1	88.7	.98S	.22T	323.8	77.6	1.00D	.02T	98.3	7.8	330.0	77.5	189.6	9.7
		54.1	88.7	.98S	.22T	323.8	77.6	1.00D	.02T	98.3	7.8	330.0	77.5	189.6	9.7
ROTATION ABOUT A,C,B AXIS															
-2.2		54.1	88.7	.97S	.25T	323.8	75.4	1.00D	.02T	98.0	9.4	329.1	75.3	189.9	11.2
5.4		54.1	88.7	.99S	.12T	324.0	83.0	1.00D	.02T	98.8	4.1	334.6	82.8	189.3	5.9
-0.4		54.0	89.1	.98S	.22T	323.8	77.6	1.00D	.02T	98.3	8.1	328.2	77.5	189.7	9.4
.3		54.2	88.4	.98S	.22T	323.8	77.6	1.00D	.03T	98.3	7.6	331.4	77.5	189.7	9.9
-2.4		56.5	89.2	.98S	.22T	326.3	77.5	1.00D	.01T	100.6	8.2	330.0	77.5	192.0	9.4
.8		53.3	88.5	.98S	.21T	323.0	77.6	1.00D	.03T	97.4	7.7	330.0	77.5	188.7	9.8
		CONE A		1 EXA	.78	CONE C		5 EXC	.58			CONE B		2 EXB	.91

138
DECEMBER 29, 1949 H = 03.03.54 18N 121E DEPTH NORMAL M = 7.4
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		35-3	62	86			330	64					341	64		
	87.9	36-5	62.5	85.7	.91S	.42T	330.5	65.1	1.00D	.08T	103.9	14.2	341.7	64.7	199.4	20.5
			84.8	77.2	.11S	.99T	291.2	14.2	.43D	.90T	90.0	31.9	356.2	6.1	256.6	57.4
ROTATION ABOUT A,C,B AXIS																
	-56.6		84.8	77.2	.77D	.64T	185.2	51.5	.96S	.28T	50.3	16.5	159.9	48.7	307.6	36.6
	56.6		84.8	77.2	.89S	.46T	348.4	63.6	.97D	.25T	124.4	9.1	18.2	60.2	219.3	28.1
	-8.0		76.7	78.2	.14S	.99T	291.2	14.2	.55D	.83T	83.5	32.7	348.4	7.8	246.6	56.1
	.4		85.2	77.2	.11S	.99T	291.2	14.2	.43D	.90T	90.4	31.9	356.6	6.0	257.1	57.4
	-9.6		85.9	86.8	.11S	.99T	328.1	6.9	.88D	.47T	91.6	41.5	356.2	6.1	259.4	47.9
	.3		84.8	76.9	.11S	.99T	290.7	14.5	.43D	.90T	90.0	31.6	356.2	6.1	256.5	57.7
			CONE A		9 EXA	.15	CONE C		33 EXC	.91			CONE B		31 EXB	.93

	SCORE	OBSERVED	PLANE A AZ	DIP	COMPONENT STRIKE	DIP	PLANE C AZ	DIP	COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
	84.7	36-6	220.8	81.5	.98S	.19N	312.5	78.9	.99D	.15N	86.4	13.9	274.1	76.0	176.8	1.8
			221.2	81.3	.98S	.20N	313.0	78.7	.99D	.15N	86.8	14.2	274.4	75.7	177.3	1.8
ROTATION ABOUT A,C,B AXIS																
	-7.0		221.2	81.3	.95S	.32N	314.1	71.8	.99D	.16N	86.5	19.1	286.8	69.7	178.8	6.5
	8.6		221.2	81.3	1.00S	.05N	311.7	87.2	.99D	.15N	86.6	8.1	239.2	80.9	356.0	4.1
	-9.6		219.3	71.9	.98S	.21N	313.0	78.7	.95D	.32N	87.0	20.9	253.3	68.5	355.2	4.6
	4.8		222.2	86.0	.98S	.20N	313.0	78.7	1.00D	.07N	87.1	10.8	293.0	78.0	178.1	5.1
	-16.0		237.2	78.5	.99S	.15N	329.0	81.6	.98D	.20N	103.4	14.1	274.4	75.7	12.9	2.2
	7.2		214.1	82.8	.98S	.21N	305.7	77.7	.99D	.13N	79.4	13.8	274.4	75.7	170.3	3.6
			CONE A		18 EXA	.38	CONE C		19 EXC	.33			CONE B		15 EXB	.08

139
FEBRUARY 28, 1950 H = 10.20.58 46.2N 143.5E DEPTH 320 KM. M = 7.7
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 219.
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.
RITSEMA, A.R. 1960 GEOPHYS. JOUR., 3, 307.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	DIP	COMPONENT STRIKE	DIP	PLANE C AZ	DIP	COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
HODGSON		93-16	24	76			284	55					312	52		
	84.8	94-15-14	285.3	55.8	.97S	.23N	22.7	79.2	.82D	.57N	159.6	32.0	307.8	53.7	59.7	15.4
			284.1	53.7	.97S	.24N	22.3	79.0	.80D	.60N	159.8	33.6	306.6	51.5	58.5	16.5
ROTATION ABOUT A,C,B AXIS																
	-3.0		284.1	53.7	.96S	.29N	24.2	76.6	.79D	.61N	160.5	35.6	311.0	50.5	59.6	14.8
	1.8		284.1	53.7	.98S	.21N	21.2	80.4	.80D	.60N	159.2	32.5	303.8	52.0	57.6	17.5
	-0.2		284.0	53.5	.97S	.24N	22.3	79.0	.80D	.61N	159.9	33.8	306.5	51.3	58.4	16.6
	4.0		285.2	57.6	.97S	.23N	22.3	79.0	.84D	.55N	158.7	30.9	308.7	55.3	60.0	14.1
	-0.1		284.2	53.7	.97S	.24N	22.4	79.0	.80D	.60N	159.8	33.6	306.6	51.5	58.5	16.5
	8.0		274.7	56.0	.94S	.33N	15.7	74.2	.81D	.58N	150.4	36.0	306.6	51.5	51.7	11.7
			CONE A		6 EXA	.48	CONE C		6 EXC	.41			CONE B		4 EXB	.12

AUTHOR	SCORE	OBSERVED	PLANE A AZ	DIP	COMPONENT STRIKE	DIP	PLANE C AZ	DIP	COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
ICHIKAWA		81	6	86			275	69					288	68		
	94.7	81-5-5	266.9	59.1	.94S	.35N	7.6	72.7	.84D	.54N	140.9	35.0	302.6	53.6	44.7	8.8
			258.7	71.0	.98S	.17N	352.0	80.5	.94D	.33N	126.7	20.3	287.3	68.6	34.2	6.5
ROTATION ABOUT A,C,B AXIS																
	-3.8		258.7	71.0	.97S	.24N	353.3	76.9	.94D	.33N	126.9	23.0	295.9	66.6	35.2	4.0
	3.8		258.7	71.0	.99S	.11N	350.8	84.1	.94D	.33N	126.3	17.7	277.3	70.0	33.3	9.1
	-2.4		258.3	68.6	.98S	.18N	352.0	80.5	.93D	.37N	127.0	22.0	284.6	66.4	33.7	8.1
	8.0		260.1	78.9	.99S	.17N	352.0	80.5	.98D	.20N	126.2	14.7	301.7	75.3	36.0	1.1
	-16.0		275.6	69.0	1.00S	.07N	7.1	86.0	.93D	.36N	143.2	17.6	287.3	68.6	49.4	11.8
	.1		258.6	71.0	.98S	.18N	351.9	80.5	.94D	.33N	126.7	20.3	287.3	68.6	34.2	6.5
			CONE A		13 EXA	.35	CONE C		11 EXC	.53			CONE B		9 EXB	.27

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	94.5	81-6-6	270.7	69.4	.98S	.18T	177.0	80.2	.93D	.36T	135.2	7.4	243.0	67.0	42.3	21.7
			252.4	73.2	.99S	.13T	160.3	82.9	.96D	.29T	117.5	6.7	228.3	71.7	25.4	16.9
ROTATION ABOUT A,C,B AXIS																
	-21.4		252.4	73.2	.88S	.48T	153.4	62.6	.95D	.33T	291.0	7.0	190.2	57.0	25.4	32.1
	11.8		252.4	73.2	1.00S	.08N	343.7	85.8	.96D	.29N	119.4	14.9	267.4	72.6	27.0	8.8
	-9.6		251.2	82.7	.99S	.12T	160.3	82.9	.99D	.13T	115.8	.1	206.6	79.8	25.8	10.2
	12.8		254.3	60.5	.99S	.14T	160.3	82.9	.87D	.50T	120.8	15.1	238.1	59.5	23.3	25.8
	-14.4		267.2	75.5	.98S	.20T	174.3	79.0	.97D	.25T	131.0	2.4	228.3	71.7	40.2	18.1
	14.4		237.4	71.9	1.00S	.05T	146.5	87.3	.95D	.31T	103.3	10.7	228.3	71.7	10.5	14.6
			CONE A		25 EXA	.22	CONE C		31 EXC	.13			CONE B		27 ExB	.33

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		86	170	70			267	70					219	61		
	94.6	86-6-5	265.2	58.5	.94S	.34N	5.9	73.2	.84D	.55N	139.5	35.1	299.8	53.3	42.8	9.5
			254.6	64.7	.98S	.19T	160.0	80.3	.90D	.43T	119.6	10.5	230.7	62.7	24.6	24.9
ROTATION ABOUT A,C,B AXIS																
	-21.4		254.6	64.7	.98S	.19N	349.2	80.4	.90D	.43N	124.8	24.8	278.5	62.7	29.8	10.6
	15.0		254.6	64.7	.90S	.43T	153.0	66.9	.89D	.46T	114.2	1.4	206.2	54.6	23.2	35.4
	-28.8		263.3	36.6	.96S	.28T	160.0	80.3	.58D	.81T	132.7	26.6	243.2	34.9	14.4	43.4
	19.2		251.1	83.6	.99S	.17T	160.0	80.3	.99D	.11T	295.3	2.3	194.0	78.4	25.7	11.4
	-22.4		278.0	70.7	.94S	.34T	181.3	71.4	.94D	.35T	139.8	.5	230.7	62.7	49.6	27.3
	16.0		236.9	62.8	1.00S	.05T	145.6	87.5	.89D	.46T	104.4	17.0	230.7	62.7	7.8	20.7
			CONE A		43 EXA	.20	CONE C		37 EXC	.05			CONE B		42 ExB	.24

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	93.2	86-6-6	265.2	72.0	.98S	.19T	171.7	79.4	.95D	.31T	129.4	5.1	232.7	68.9	37.5	20.4
			255.0	65.6	.97S	.23T	159.4	77.7	.91D	.42T	119.2	8.1	224.9	62.3	25.1	26.3
ROTATION ABOUT A,C,B AXIS																
	-18.2		255.0	65.6	.85S	.53T	150.7	61.4	.88D	.47T	292.1	2.7	198.8	50.8	24.2	39.1
	21.4		255.0	65.6	.99S	.14N	348.3	82.8	.91D	.42N	124.3	22.4	273.6	64.4	29.3	11.8
	-16.0		251.3	81.2	.98S	.21T	159.4	77.7	.99D	.16T	295.1	2.4	196.1	74.8	25.7	15.0
	22.4		262.4	44.0	.95S	.31T	159.4	77.7	.68D	.74T	128.5	21.0	238.3	41.4	18.9	41.2
	-22.4		277.9	72.5	.93S	.37T	181.0	69.3	.95D	.32T	319.0	2.1	224.9	62.3	50.1	27.6
	16.0		237.5	62.9	.99S	.10T	144.8	84.8	.89D	.46T	104.3	15.0	224.9	62.3	7.9	22.7
			CONE A		38 EXA	0	CONE C		39 EXC	.03			CONE B		39 ExB	.03

COMBINATION OF HODGSON, ICHIKAWA AND RITSEMA. IN CASES OF DISAGREEMENT OF DATA STATION IS DISCARDED.

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	89.9	150-18-18	247.7	82.2	1.00S	.05N	338.1	87.1	.99D	.14N	113.1	7.5	268.3	81.7	22.6	3.4
			257.8	60.7	.97S	.25T	160.5	77.2	.86D	.50T	122.1	10.9	229.7	57.5	25.6	30.2
ROTATION ABOUT A,C,B AXIS																
	-15.0		257.8	60.7	1.00S	.01N	348.0	89.7	.87D	.49N	128.0	20.0	258.5	60.7	30.2	20.5
	10.2		257.8	60.7	.91S	.42T	155.0	68.5	.85D	.53T	117.9	5.0	214.4	52.3	24.1	37.3
	-4.0		259.1	56.8	.96S	.26T	160.5	77.2	.83D	.56T	123.6	13.3	232.5	53.8	24.8	32.9
	22.4		252.3	82.4	.97S	.22T	160.5	77.2	.99D	.14T	295.9	3.6	192.2	75.1	26.8	14.4
	-16.0		274.8	65.8	.92S	.38T	175.2	69.7	.90D	.44T	135.7	2.6	229.7	57.5	44.1	32.4
	12.8		243.2	58.2	.99S	.13T	149.4	83.9	.85D	.53T	110.4	17.3	229.7	57.5	11.5	26.6
			CONE A		28 EXA	.08	CONE C		27 EXC	.13			CONE B		26 EXB	.05

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	89.3	150-19-19	251.9	80.0	.94S	.34T	158.3	70.3	.98D	.18T	293.8	6.6	187.3	67.7	26.4	21.2
			252.7	77.7	.92S	.39T	157.6	67.6	.97D	.23T	293.6	6.8	189.3	64.1	26.8	24.9
ROTATION ABOUT A,C,B AXIS																
	-0.2		252.7	77.7	.92S	.39T	157.5	67.4	.97D	.23T	293.5	7.0	189.1	63.9	26.8	25.0
	24.6		252.7	77.7	1.00S	.03N	343.1	88.4	.98D	.21N	118.5	9.8	260.3	77.6	27.2	7.5
	-3.6		251.3	81.1	.92S	.39T	157.6	67.6	.99D	.17T	292.8	9.2	181.7	65.7	26.6	22.3
	4.8		254.7	73.3	.92S	.40T	157.6	67.6	.95D	.31T	295.1	3.8	198.1	61.5	27.2	28.2
	-1.0		253.7	78.1	.92S	.39T	158.6	67.3	.97D	.22T	294.6	7.3	189.3	64.1	27.9	24.7
	1.8		251.0	77.0	.92S	.38T	155.7	68.0	.97D	.24T	292.0	6.1	189.3	64.1	24.8	25.1
			CONE A		5 EXA	.67	CONE C		8 EXC	.89			CONE B		14 EXB	.66

140
MARCH 27, 1950 H = 13.04.40 53.5N 173E DEPTH NORMAL M = 6.7
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 219.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		45-6	330	80			238	74					270	71		
	87.5	46-6-6	329.5	78.2	.96S	.28T	236.1	74.3	.98D	.21T	12.4	2.7	274.9	70.2	103.3	19.6
			317.9	72.1	.85S	.53T	217.1	59.7	.93D	.36T	355.2	8.0	254.1	53.8	90.8	35.0
ROTATION ABOUT A,C,B AXIS																
	-4.6		317.9	72.1	.80S	.60T	215.1	55.4	.93D	.37T	353.2	10.6	250.4	49.8	91.7	38.2
	31.0		317.9	72.1	1.00S	.02T	227.6	89.0	.95D	.31T	184.4	11.8	314.7	72.1	91.5	13.3
	-25.6		124.7	85.9	.86S	.51N	217.1	59.7	1.00D	.08N	346.6	24.0	207.7	59.4	84.8	17.8
	1.0		318.5	71.2	.85S	.53T	217.1	59.7	.93D	.37T	355.5	7.4	255.5	53.3	90.9	35.7
	-16.0		331.6	81.0	.82S	.58T	235.3	55.3	.98D	.19T	8.8	17.0	254.1	53.8	109.3	30.9
	1.4		316.7	71.4	.85S	.52T	215.5	60.2	.93D	.37T	354.1	7.2	254.1	53.8	89.2	35.2
			CONE A		22 EXA	.35	CONE C		25 EXC	.51			CONE B		31 EXB	.25

141
* APRIL 26, 1950 H = 07.04.55 33.7N 135.8E DEPTH NORMAL
RITSEMA, A.R. 1960 GEOPHYS. JOUR., 3, 307.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		60	40	72			250	20					313	10		
	89.9	60-6-6	101.6	76.4	1.00S	.08N	192.7	85.5	.97D	.24N	327.9	12.9	120.6	75.6	236.4	6.4
			101.2	76.2	1.00S	.08N	192.3	85.5	.97D	.24N	327.7	13.0	120.1	75.4	236.1	6.5
ROTATION ABOUT A,C,B AXIS																
	-18.2		101.2	76.2	.92S	.39N	197.0	67.8	.97D	.26N	327.5	25.8	161.7	63.5	60.3	5.6
	7.0		101.2	76.2	1.00S	.04T	10.7	87.7	.97D	.24T	326.9	8.1	91.5	76.0	235.2	11.4
	-0.6		101.2	75.6	1.00S	.08N	192.3	85.5	.97D	.25N	327.7	13.4	119.4	74.9	236.1	6.9
	2.0		101.4	78.2	1.00S	.08N	192.3	85.5	.98D	.21N	327.5	11.6	123.0	77.3	236.5	5.1
	-1.6		102.8	76.1	1.00S	.07N	193.9	85.8	.97D	.24N	328.9	12.9	120.1	75.4	237.4	6.8
	.4		100.8	76.2	1.00S	.08N	191.9	85.4	.97D	.24N	327.3	13.0	120.1	75.4	235.8	6.4
			CONE A		2 EXA	.23	CONE C		7 EXC	.92			CONE B		8 EXB	.90

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	90.0	60-6-6	234.6	22.1	.26S	.97N	38.4	68.7	.10D	.99N	208.0	65.8	310.6	5.6	43.0	23.5
			237.1	22.4	.29S	.96N	38.9	68.6	.12D	.99N	207.0	65.7	311.4	6.4	44.2	23.3
ROTATION ABOUT A,C,B AXIS																
	-1.0		237.1	22.4	.28S	.96N	39.9	68.5	.11D	.99N	208.7	65.9	312.3	6.0	44.9	23.2
	18.2		237.1	22.4	.58S	.82N	19.8	71.9	.23D	.97N	180.2	60.9	294.1	12.7	30.3	25.7
	-14.4		198.9	22.6	.32D	.95N	38.9	68.6	.13S	.99N	231.8	65.6	126.1	7.0	33.1	23.2
	5.6		250.1	24.6	.48S	.88N	38.9	68.6	.22D	.98N	198.3	64.3	313.5	11.6	48.4	22.6
	-4.0		240.8	18.6	.35S	.94N	39.4	72.6	.12D	.99N	209.3	61.8	311.4	6.4	44.7	27.3
	.4		236.8	22.8	.29S	.96N	38.8	68.2	.12D	.99N	206.7	66.1	311.4	6.4	44.1	22.9
			CONE A		9 EXA	.78	CONE C		9 EXC	.77			CONE B		20 EXB	.04

142
APRIL 26, 1950 H = 18.57.02 33.8N 135.9 DEPTH 50 KM.
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA		43	39	60			245	33					316	12		
	99.0	43-1-1	235.5	37.2	.28S	.96N	35.1	54.6	.21D	.98N	174.8	76.7	312.2	9.9	43.8	8.8
			237.7	50.1	.19S	.98N	41.3	41.1	.22D	.98N	111.4	80.6	320.8	8.2	230.1	4.5
ROTATION ABOUT A,C,B AXIS																
	-13.4		237.7	50.1	.05D	1.00N	61.9	40.0	.06S	1.00N	36.9	84.5	149.4	2.1	239.6	5.1
	18.2		237.7	50.1	.48S	.88N	17.0	47.8	.50D	.87N	124.6	68.2	308.2	21.8	217.7	1.2
	-22.4		208.3	49.7	.15D	.99N	41.3	41.1	.17S	.99N	337.8	82.2	123.8	6.5	214.3	4.3
	8.0		247.7	52.0	.29S	.96N	41.3	41.1	.35D	.94N	123.4	75.5	327.0	13.3	235.7	5.6
	-9.6		240.4	40.7	.22S	.98N	44.0	50.5	.18D	.98N	172.3	80.4	320.8	8.2	51.5	5.0
	28.8		232.5	78.5	.15S	.99N	16.0	14.1	.58D	.81N	63.0	55.7	320.8	8.2	225.4	33.0
			CONE A		34 EXA	.21	CONE C		35 EXC	.18			CONE B		31 EXB	.04

143
* MAY 17, 1950 H = 11.46.48 39.4N 130.3E DEPTH 540 KM.
RITSEMA, A.R. 1960 GEOPHYS. JOUR., 3, 307.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		64	78	47			335	77					52	46		
	97.9	64-3-3	83.6	51.5	.78S	.63T	326.9	60.6	.70D	.72T	297.2	5.3	31.3	37.5	200.3	52.0
			148.5	16.9	.45D	.89T	300.8	74.9	.14S	.99T	307.2	29.5	212.9	7.5	110.0	59.4
ROTATION ABOUT A,C,B AXIS																
	-27.8		148.5	16.9	.81D	.58T	272.9	80.3	.24S	.97T	284.7	33.9	185.3	13.7	76.6	52.7
	37.4		148.5	16.9	.19S	.98T	339.7	73.4	.06D	1.00T	337.1	28.3	68.8	3.1	164.5	61.5
	-38.4		54.5	33.8	.88S	.47T	300.8	74.9	.51D	.86T	277.7	23.8	22.1	29.5	155.4	50.5
	22.4		186.7	33.4	.88D	.47T	300.8	74.9	.50S	.86T	323.7	24.0	219.4	29.0	86.6	50.8
	-12.8		136.7	28.9	.27D	.96T	298.9	62.3	.15S	.99T	305.2	16.9	212.9	7.5	99.8	71.4
	16.0		219.0	7.5	.99D	.11N	123.0	89.2	.13S	.99N	310.5	45.3	212.9	7.5	115.7	43.7
			CONE A	42	EXA	.53	CONE C	43	EXC	.56			CONE B	63	EXB	.07

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	96.2	64-3-3	290.2	64.4	.14S	.99T	128.9	26.8	.29D	.96T	296.4	19.0	203.8	7.5	93.2	69.5
			301.5	74.7	.14S	.99T	149.4	17.2	.45D	.89T	307.9	29.3	213.6	7.7	110.3	59.5
ROTATION ABOUT A,C,B AXIS																
	-31.0		301.5	74.7	.39D	.92T	63.3	27.4	.82S	.57T	283.5	26.2	25.1	22.2	150.0	54.5
	21.4		301.5	74.7	.49S	.87T	186.4	32.8	.87D	.49T	323.9	24.1	220.0	28.2	87.9	51.4
	-25.6		275.7	79.6	.24S	.97T	149.4	17.2	.79D	.61T	287.3	33.2	188.3	13.5	79.4	53.4
	38.4		341.5	73.2	.06D	1.00T	149.4	17.2	.20S	.98T	338.7	28.1	70.5	3.4	166.8	61.6
	-16.0		123.7	89.4	.13S	.99N	217.8	7.7	1.00D	.07N	311.4	45.1	213.6	7.7	116.1	43.9
	12.8		299.6	62.0	.15S	.99T	137.6	29.2	.27D	.96T	305.9	16.6	213.6	7.7	99.6	71.6
			CONE A	43	EXA	.55	CONE C	39	EXC	.45			CONE B	58	EXB	.18

144
MAY 17, 1950 H = 18.13.13 21S 169E DEPTH NORMAL M = 7
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 171.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		60-10	8	71			273	79					335	68		
	86.4	58-9-8	196.7	86.6	.94S	.33T	105.5	70.6	1.00D	.06T	239.6	11.1	116.3	70.3	332.8	16.1
			254.6	48.9	.09D	1.00T	66.7	41.4	.10S	.99T	250.8	3.8	341.1	3.9	117.0	84.6
ROTATION ABOUT A,C,B AXIS																
	-50.2		254.6	48.9	.82D	.57T	9.0	64.7	.69S	.73T	38.5	9.4	301.0	38.3	139.9	50.1
	27.8		254.6	48.9	.38S	.92T	106.9	45.9	.40D	.92T	270.4	1.6	179.9	16.8	5.5	73.1
	-19.2		229.2	50.0	.20S	.98T	66.7	41.4	.23D	.97T	237.3	4.4	146.6	8.7	353.6	80.3
	38.4		299.1	61.8	.52D	.85T	66.7	41.4	.70S	.72T	276.9	11.3	12.9	27.5	166.7	59.9
	-28.8		252.0	77.6	.07D	1.00T	53.9	13.0	.30S	.95T	248.6	32.5	341.1	3.9	77.2	57.2
	19.2		258.0	29.8	.14D	.99T	68.9	60.5	.08S	1.00T	72.2	15.4	341.1	3.9	237.3	74.1
			CONE A	53	EXA	.17	CONE C	61	EXC	.38			CONE B	67	EXB	.26

145
MAY 19, 1950 H = 02.38.10 20.5S 169E DEPTH NORMAL M = 6.8
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 171.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		44-9	301	84			34	71					15	70		
	71.5	45-13-12	265.0	86.5	.28S	.96T	163.0	16.4	.98D	.22T	279.6	39.4	176.0	16.0	68.6	46.2
			265.4	56.9	.23D	.97T	62.5	35.3	.33S	.95T	256.1	11.0	348.2	10.9	121.8	74.4
ROTATION ABOUT A,C,B AXIS																
	-50.2		265.4	56.9	.89D	.45T	10.8	67.8	.81S	.59T	45.9	6.8	308.1	48.4	141.8	40.8
	37.4		265.4	56.9	.41S	.91T	125.0	40.3	.53D	.85T	282.6	8.8	189.3	20.2	34.9	67.8
	-28.8		230.6	55.3	.12S	.99T	62.5	35.3	.17D	.99T	235.5	10.1	144.5	5.6	25.8	78.5
	51.2		316.1	78.7	.56D	.83T	62.5	35.3	.94S	.34T	290.2	26.0	38.7	33.0	170.3	45.7
	-28.8		259.1	85.1	.19D	.98T	13.2	12.0	.91S	.42T	249.2	39.1	348.2	10.9	90.9	48.8
	25.6		275.9	32.3	.35D	.94T	71.8	60.0	.22S	.98T	81.0	14.1	348.2	10.9	221.8	72.0
			CONE A		66 EXA	.32	CONE C		69 EXC	.38			CONE B		84 EXB	.09

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	70.7	45-13-13	244.5	87.1	.86S	.51T	152.8	59.6	1.00D	.06T	284.6	18.8	159.4	59.4	22.9	23.2
			265.4	56.9	.23D	.97T	62.4	35.4	.33S	.94T	256.1	11.0	348.2	10.9	121.9	74.4
ROTATION ABOUT A,C,B AXIS																
	-50.2		265.4	56.9	.89D	.45T	10.8	67.9	.81S	.59T	45.8	6.9	308.0	48.4	141.8	40.8
	37.4		265.4	56.9	.41S	.91T	125.0	40.3	.53D	.85T	282.6	8.8	189.3	20.2	34.9	67.8
	-28.8		230.5	55.2	.12S	.99T	62.4	35.4	.17D	.99T	235.4	10.0	144.4	5.6	25.4	78.6
	51.2		316.1	78.8	.56D	.83T	62.4	35.4	.94S	.34T	290.2	26.1	38.7	33.0	170.2	45.6
	-28.8		259.1	85.1	.19D	.98T	13.1	12.0	.91S	.41T	249.2	39.1	348.2	10.9	90.9	48.8
	25.6		275.9	32.3	.35D	.94T	71.8	60.0	.22S	.98T	81.0	14.1	348.2	10.9	221.8	72.0
			CONE A		66 EXA	.32	CONE C		69 EXC	.38			CONE B		84 EXB	.09

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	69.5	45-13-13	14.9	86.3	.92S	.40N	106.6	66.3	1.00D	.07N	238.2	19.2	96.6	66.0	333.1	13.8
			22.9	87.1	.86S	.52N	114.7	59.0	1.00D	.06N	244.4	23.6	108.2	58.8	343.1	19.2
ROTATION ABOUT A,C,B AXIS																
	-8.6		22.9	87.1	.77S	.64N	115.3	50.4	1.00D	.07N	241.5	29.1	109.5	50.2	346.3	24.5
	18.2		22.9	87.1	.97S	.22N	113.6	77.1	1.00D	.05N	247.6	11.1	100.5	76.8	339.0	7.0
	-0.7		22.6	86.5	.86S	.52N	114.7	59.0	1.00D	.07N	244.1	24.1	106.8	58.7	342.8	18.8
	.4		23.1	87.5	.86S	.52N	114.7	59.0	1.00D	.05N	244.3	23.3	108.9	58.8	343.1	19.5
	-1.0		23.8	86.6	.86S	.52N	115.8	59.0	1.00D	.07N	245.3	23.9	108.2	58.8	344.0	18.8
	.2		22.8	87.2	.86S	.52N	114.4	59.0	1.00D	.06N	244.2	23.5	108.2	58.8	342.9	19.3
			CONE A		1 EXA	.08	CONE C		6 EXC	.96			CONE B		5 EXB	.96

146
MAY 19, 1950 H = 07.05.31 20.5S 169E DEPTH NORMAL M = 6.5
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 171.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		22-1	4	76			272	84					340	74		
	96.5	22-1-	358.5	76.7	1.00S	.08T	267.4	85.7	.97D	.23T	223.6	6.3	339.9	76.0	132.2	12.5
			358.5	76.7	1.00S	.08T	267.4	85.7	.97D	.23T	223.6	6.3	339.9	76.0	132.2	12.5
ROTATION ABOUT A,C,B AXIS																
	-37.4		358.5	76.7	.75S	.67T	256.8	49.5	.95D	.30T	32.0	17.2	282.9	46.5	136.2	38.4
	1.0		358.5	76.7	1.00S	.06T	267.7	86.7	.97D	.23T	223.7	7.0	343.9	76.3	132.2	11.7
	-1.4		358.4	78.1	1.00S	.08T	267.4	85.7	.98D	.21T	223.4	5.3	337.9	77.3	132.3	11.5
	.5		358.5	76.2	1.00S	.08T	267.4	85.7	.97D	.24T	223.7	6.7	340.5	75.5	132.2	12.8
	-3.6		2.2	77.0	1.00S	.09T	271.0	84.9	.97D	.23T	227.1	5.5	339.9	76.0	135.8	12.8
	1.4		357.0	76.6	1.00S	.07T	266.1	86.0	.97D	.23T	222.4	6.6	339.9	76.0	130.9	12.3
			CONE A		3 EXA	.62	CONE C		14 EXC	.87			CONE B		9 EXB	.95

147
MAY 26, 1950 H = 01.17.25 20.2S 169.2E DEPTH NORMAL M = 7.1
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 171.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		62-13	16	73			280	73					328	66		
	84.6	56-11-8	351.7	75.3	.99S	.14T	259.6	82.0	.97D	.26T	216.1	4.6	321.7	73.2	124.8	16.1
			61.7	39.4	.14S	.99T	252.3	51.1	.12D	.99T	247.6	5.9	338.1	5.2	109.3	82.1
ROTATION ABOUT A,C,B AXIS																
	-31.0		61.7	39.4	.39D	.92T	213.2	54.2	.30S	.95T	225.7	7.6	133.8	14.2	343.2	73.8
	37.4		61.7	39.4	.72S	.70T	294.7	63.7	.51D	.86T	273.0	13.5	10.0	27.0	159.2	59.3
	-64.0		354.7	75.1	.76S	.65T	252.3	51.1	.94D	.33T	28.5	15.2	281.4	47.3	131.1	38.7
	44.8		123.6	52.2	.61D	.79T	252.3	51.1	.62S	.79T	98.3	.6	188.6	28.7	7.2	61.3
	-28.8		66.0	68.0	.10S	1.00T	260.8	22.7	.24D	.97T	70.3	22.8	338.1	5.2	236.0	66.5
	25.6		47.3	14.5	.36S	.93T	249.4	76.5	.09D	1.00T	244.9	31.3	338.1	5.2	76.5	58.2
			CONE A		77 EXA	.50	CONE C		61 EXC	.20			CONE B		86 EXB	.37

148
MAY 27, 1950 H = 12.39.43 20S 168E DEPTH 200 KM. M = 6.5
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 171.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		31-9	342	87			252	87					295	87		
	76.9	31-7-7	72.9	89.1	.99S	.10N	163.0	84.2	1.00D	.02N	297.8	4.8	154.1	84.1	28.1	3.5
			73.4	89.0	.99S	.11N	163.5	83.9	1.00D	.02N	298.6	5.0	154.4	83.8	28.9	3.6
ROTATION ABOUT A,C,B AXIS																
	-21.4		73.4	89.0	.89S	.46N	163.9	62.5	1.00D	.02N	295.2	19.9	161.5	62.4	32.1	18.4
	8.6		73.4	89.0	1.00S	.04T	343.3	87.5	1.00D	.02T	118.1	1.0	4.9	87.4	208.1	2.4
	-0.9		73.3	88.1	.99S	.11N	163.5	83.9	1.00D	.03N	298.6	5.7	146.4	83.6	28.9	3.0
	1.2		253.5	89.8	.99S	.11T	163.5	83.9	1.00D	0T	298.6	4.2	165.6	83.9	28.9	4.4
	-1.4		74.8	88.9	.99S	.11N	164.9	83.9	1.00D	.02N	299.5	5.1	154.4	83.8	29.8	3.5
	2.4		71.0	89.3	.99S	.11N	161.1	83.8	1.00D	.01N	295.7	4.8	154.4	83.8	26.0	3.9
			CONE A		3 EXA	.45	CONE C		11 EXC	.87			CONE B		8 EXB	.93

149
MAY 28, 1950 H = 01.36.44 20S 169E DEPTH NORMAL M = 6.5
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 171.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		34-7	47	90			317	68					317	68		
	77.3	33-7-7	32.2	87.8	.96S	.28T	301.5	73.9	1.00D	.04T	75.7	9.8	309.7	73.7	168.0	12.9
			214.3	89.7	.90S	.43N	304.4	64.6	1.00D	0N	76.6	17.9	303.8	64.6	172.4	17.4
ROTATION ABOUT A,C,B AXIS																
	-13.4		214.3	89.7	.78S	.63N	304.5	51.2	1.00D	.01N	72.4	26.5	304.0	51.2	176.5	26.1
	15.0		214.3	89.7	.98S	.18N	304.4	79.6	1.00D	0N	79.1	7.5	302.9	79.6	170.0	7.1
	-1.0		213.9	88.8	.90S	.43N	304.4	64.6	1.00D	.02N	76.3	18.5	301.4	64.6	172.1	16.7
	3.2		35.7	87.4	.90S	.43T	304.4	64.6	1.00D	.05T	77.3	15.7	311.2	64.5	173.1	19.6
	-2.4		216.5	88.7	.90S	.43N	307.1	64.7	1.00D	.02N	78.9	18.6	303.8	64.6	174.7	16.7
	8.0		27.1	86.8	.90S	.43T	295.6	64.9	1.00D	.06T	68.5	15.1	303.8	64.6	164.1	19.9
			CONE A		7 EXA	.60	CONE C		17 EXC	.63			CONE B		11 EXB	.85

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	77.1	33-8-8	41.2	79.7	1.00S	.10T	310.2	84.6	.98D	.18T	266.0	3.4	12.9	78.3	175.3	11.2
			41.2	78.9	.99S	.10T	310.1	84.3	.98D	.19T	266.1	3.8	13.4	77.5	175.3	11.9
ROTATION ABOUT A,C,B AXIS																
	0		41.2	78.9	.99S	.10T	310.1	84.3	.98D	.19T	266.1	3.8	13.4	77.5	175.3	11.9
	.2		41.2	78.9	1.00S	.10T	310.1	84.5	.98D	.19T	266.1	3.9	14.2	77.6	175.3	11.7
	-3.2		40.9	82.1	.99S	.10T	310.1	84.3	.99D	.14T	265.7	1.5	4.7	80.3	175.4	9.6
	8.0		42.1	71.0	.99S	.10T	310.1	84.3	.94D	.33T	267.6	9.2	24.2	70.1	174.7	17.5
	-0.7		41.9	79.0	.99S	.10T	310.8	84.2	.98D	.19T	266.7	3.6	13.4	77.5	175.9	11.9
	2.4		38.8	78.7	1.00S	.09T	307.7	84.8	.98D	.20T	263.7	4.3	13.4	77.5	172.8	11.7
			CONE A		6 EXA	.72	CONE C		1 EXC	.94			CONE B		1 EXB	.98

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* JUNE 7, 1950 H = 16.52.34 4.5S 77.0W DEPTH 100 KM.
RITSEMA, A.R. 1960 GEOPHYS. JOUR., 3, 307.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		34	245	72			347	56					312	50		
ALTER.		34	55	58			300	57					357	40		
	96.7	34-2-2	310.8	51.5	.86S	.51N	61.3	66.3	.73D	.68N	192.5	46.4	354.7	42.2	92.9	9.0
			221.0	51.8	.17D	.98N	56.9	39.2	.21S	.98N	356.8	79.9	137.2	7.8	228.1	6.4
ROTATION ABOUT A,C,B AXIS																
	-63.0		221.0	51.8	.96D	.29N	120.3	76.7	.77S	.64N	343.2	36.9	194.6	48.7	85.6	15.9
	56.6		221.0	51.8	.73S	.69N	341.3	57.3	.68D	.73N	104.5	54.9	277.8	34.9	10.0	3.2
	-76.8		147.5	89.5	.63D	.77N	56.9	39.2	1.00S	.01N	295.0	33.6	57.9	39.2	179.6	32.8
	51.2		282.9	60.5	.46S	.89N	56.9	39.2	.63D	.78N	149.5	63.6	358.8	23.4	263.7	11.5
	-28.8		209.2	23.9	.34D	.94N	50.4	67.6	.15S	.99N	245.4	66.4	137.2	7.8	44.0	22.2
	38.4		227.2	89.8	.14D	.99N	135.8	7.8	1.00S	.02N	39.4	44.7	137.2	7.8	234.9	44.3
			CONE A		93 EXA	.48	CONE C		90 EXC	.44			CONE B		124 EXB	.07

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	95.7	34-2-2	255.5	71.4	.81S	.59N	358.5	56.3	.92D	.38N	122.3	38.2	321.7	50.2	220.0	9.6
			221.0	51.8	.17D	.99N	56.8	39.3	.21S	.98N	356.6	79.9	137.2	7.8	228.1	6.3
ROTATION ABOUT A,C,B AXIS																
	-63.0		221.0	51.8	.96D	.29N	120.2	76.6	.77S	.64N	343.4	36.9	194.6	48.7	85.7	15.9
	56.6		221.0	51.8	.73S	.69N	341.2	57.4	.68D	.73N	104.6	54.9	277.7	34.9	10.0	3.2
	-76.8		147.4	89.5	.63D	.77N	56.8	39.3	1.00S	.02N	295.0	33.6	57.9	39.3	179.7	32.8
	51.2		282.9	60.5	.46S	.89N	56.8	39.3	.63D	.78N	149.5	63.6	358.7	23.4	263.7	11.5
	-28.8		209.2	23.8	.33D	.94N	50.4	67.6	.15S	.99N	245.4	66.4	137.2	7.8	44.0	22.2
	38.4		227.1	89.8	.14D	.99N	135.6	7.8	1.00S	.03N	39.4	44.7	137.2	7.8	234.9	44.3
			CONE A		93 EXA	.48		CONE C		90 EXC	.44			CONE B	124 EXB	.07

151
JUNE 21, 1950 H = 06.55.37 20.2S 169.2E DEPTH NORMAL M = 6.9
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 171.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		52-11	15	70			280	77					339	66		
	78.8	49-11-10	12.5	69.8	.99S	.16T	279.4	81.6	.94D	.35T	237.4	8.1	348.0	68.0	144.4	20.3
			60.6	38.4	.28S	.96T	261.0	53.4	.22D	.98T	252.1	7.6	343.5	10.0	125.5	77.4
ROTATION ABOUT A,C,B AXIS																
	-27.8		60.6	38.4	.20D	.98T	226.0	52.5	.16S	.99T	232.4	7.1	141.5	7.1	7.0	79.9
	31.0		60.6	38.4	.73S	.68T	294.7	65.1	.50D	.86T	273.1	14.9	10.9	27.2	157.5	58.4
	-44.8		11.9	64.3	.75S	.66T	261.0	53.4	.84D	.54T	44.2	6.6	308.1	42.5	141.3	46.7
	32.0		111.7	40.8	.41D	.91T	261.0	53.4	.33S	.94T	274.7	6.5	182.9	15.5	26.9	73.1
	-22.4		67.7	60.2	.20S	.98T	270.1	31.8	.33D	.94T	76.1	14.5	343.5	10.0	220.0	72.3
	28.8		24.0	13.1	.77S	.64T	255.0	81.7	.18D	.98T	246.2	35.9	343.5	10.0	86.7	52.3
			CONE A		63 EXA	.33		CONE C		55 EXC	.13			CONE B	67 EXB	.23

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	78.4	49-11-10	35.2	61.2	.90S	.44T	291.9	67.4	.85D	.52T	254.7	4.0	349.8	51.9	161.7	37.8
			60.7	38.4	.28S	.96T	261.1	53.4	.22D	.98T	252.2	7.6	343.6	10.0	125.6	77.4
ROTATION ABOUT A,C,B AXIS																
	-27.8		60.7	38.4	.20D	.98T	226.1	52.5	.16S	.99T	232.5	7.1	141.6	7.1	7.1	79.9
	31.0		60.7	38.4	.73S	.68T	294.8	65.1	.50D	.86T	273.2	14.9	11.0	27.2	157.6	58.4
	-44.8		12.0	64.3	.75S	.66T	261.1	53.4	.84D	.54T	44.3	6.6	308.2	42.5	141.4	46.7
	32.0		111.8	40.8	.41D	.91T	261.1	53.4	.33S	.94T	274.8	6.5	183.0	15.5	27.0	73.1
	-22.4		67.7	60.2	.20S	.98T	270.1	31.8	.33D	.94T	76.2	14.5	343.6	10.0	220.1	72.3
	28.8		24.1	13.1	.77S	.64T	255.0	81.7	.18D	.98T	246.3	35.9	343.6	10.0	86.8	52.3
			CONE A		63 EXA	.33		CONE C		55 EXC	.13			CONE B	67 EXB	.23

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	75.8	49-12-11	226.6	86.9	1.00S	.04T	136.5	88.0	1.00D	.05T	91.6	.8	193.7	86.3	1.5	3.6
			232.9	55.6	.58S	.81T	104.7	47.9	.65D	.76T	257.4	4.3	165.0	28.8	355.0	60.8
ROTATION ABOUT A,C,B AXIS																
	-63.0		232.9	55.6	.46D	.89T	10.4	42.8	.56S	.83T	213.8	6.9	306.6	22.2	107.6	66.7
	6.2		232.9	55.6	.67S	.74T	110.7	52.1	.70D	.72T	261.0	2.0	169.7	33.5	354.0	56.4
	-7.2		226.1	60.0	.63S	.77T	104.7	47.9	.74D	.67T	253.0	6.9	158.4	33.3	353.3	55.8
	16.0		250.5	47.5	.42S	.91T	104.7	47.9	.41D	.91T	87.7	.2	177.8	17.9	357.1	72.1
	-22.4		246.2	74.5	.50S	.87T	131.4	33.4	.88D	.48T	268.9	23.7	165.0	28.8	31.9	51.2
	28.8		203.6	35.2	.84S	.55T	85.5	71.6	.51D	.86T	63.0	20.8	165.0	28.8	302.4	53.3
			CONE A		34 EXA	.55	CONE C		60 EXC	.26			CONE B		40 EXB	.66

152
JUNE 24, 1950 H = 22.25.34 20.5S 169.5E DEPTH NORMAL M = 7.2
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 171.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		60-11	267	81			358	72					331	70		
	85.8	58-9-8	206.1	63.0	.97S	.22T	110.1	78.5	.89D	.46T	70.5	10.4	179.2	60.3	335.0	27.5
			254.7	48.4	.03D	1.00T	72.5	41.6	.03S	1.00T	253.6	3.4	343.7	1.1	91.6	86.4
ROTATION ABOUT A,C,B AXIS																
	-50.2		254.7	48.4	.78D	.62T	12.4	62.4	.66S	.75T	40.7	8.2	304.7	36.0	141.5	52.8
	37.4		254.7	48.4	.59S	.81T	122.2	52.7	.55D	.83T	99.3	2.3	190.4	26.0	4.5	63.9
	-28.8		218.1	53.8	.38S	.93T	72.5	41.6	.46D	.89T	233.5	6.4	141.5	17.6	342.7	71.2
	44.8		307.1	62.8	.54D	.84T	72.5	41.6	.72S	.69T	284.1	11.9	20.7	28.8	174.1	58.4
	-25.6		254.0	74.0	.02D	1.00T	69.9	16.0	.07S	1.00T	253.1	29.0	343.7	1.1	75.7	61.0
	19.2		255.7	29.3	.04D	1.00T	73.1	60.8	.02S	1.00T	74.0	15.8	343.7	1.1	249.8	74.2
			CONE A		57 EXA	.39	CONE C		63 EXC	.49			CONE B		80 EXB	.16

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	85.5	58-9-8	35.2	58.4	.87S	.50T	288.5	64.9	.82D	.58T	253.2	4.0	347.6	47.6	159.5	42.1
			72.7	41.5	.03S	1.00T	255.1	48.5	.03D	1.00T	253.9	3.5	344.0	1.2	92.9	86.3
ROTATION ABOUT A,C,B AXIS																
	-27.8		72.7	41.5	.44D	.90T	219.6	53.4	.36S	.93T	234.5	6.2	142.6	16.9	343.9	71.9
	43.8		72.7	41.5	.71S	.70T	306.4	62.4	.53D	.84T	283.7	11.7	20.1	28.3	173.7	59.0
	-51.2		11.8	63.1	.67S	.74T	255.1	48.5	.80D	.60T	40.3	8.6	303.9	36.6	141.4	52.1
	38.4		123.5	53.2	.56D	.83T	255.1	48.5	.60S	.80T	100.1	2.6	191.4	26.7	5.0	63.2
	-19.2		73.3	60.7	.02S	1.00T	256.1	29.3	.04D	1.00T	74.3	15.7	344.0	1.2	249.7	74.3
	25.6		69.8	16.0	.08S	1.00T	254.3	74.1	.02D	1.00T	253.3	29.1	344.0	1.2	76.2	60.9
			CONE A		63 EXA	.50	CONE C		57 EXC	.37			CONE B		80 EXB	.20

153
JUNE 27, 1950 H = 15.41.54 45.5N 140E DEPTH NORMAL M = 6.7
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 219.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		49-3	5	74			270	71					313	64		
	85.4	48-8-7	287.1	75.8	.93S	.38N	22.8	68.4	.96D	.26N	153.6	25.7	346.2	63.8	246.0	5.0
			286.9	75.9	.93S	.38N	22.5	68.5	.97D	.26N	153.4	25.5	346.0	64.0	245.7	5.0
ROTATION ABOUT A,C,B AXIS																
	-0.6		286.9	75.9	.92S	.39N	22.7	68.0	.97D	.26N	153.5	25.9	346.8	63.5	246.1	5.3
	0		286.9	75.9	.93S	.38N	22.5	68.5	.97D	.26N	153.4	25.5	346.0	64.0	245.7	5.0
	-1.2		286.4	74.8	.93S	.38N	22.5	68.5	.96D	.28N	153.3	26.3	343.8	63.3	245.4	4.2
	14.4		292.2	89.3	.93S	.37N	22.5	68.5	1.00D	.01N	155.3	15.5	20.5	68.5	249.5	14.5
	-0.3		287.2	75.8	.93S	.38N	22.8	68.6	.96D	.26N	153.7	25.5	346.0	64.0	246.0	4.8
	.3		286.6	76.1	.93S	.38N	22.2	68.5	.97D	.26N	153.0	25.4	346.0	64.0	245.4	5.1
			CONE A		3 EXA	.96	CONE C		1 EXC	.00			CONE B		3 EXB	.96

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
83.3	48-8-7	262.1	57.8	.95S	.31N	1.9	74.8	.83D	.55N	136.5	34.2	293.6	53.6	38.9	11.0
		261.2	56.8	.95S	.31N	1.2	75.2	.82D	.57N	136.1	34.6	291.6	52.8	37.8	11.9
ROTATION ABOUT A,C,B AXIS															
-1.4		261.2	56.8	.94S	.33N	2.0	74.0	.82D	.57N	136.3	35.6	293.6	52.2	38.2	11.1
0		261.2	56.8	.95S	.31N	1.2	75.2	.82D	.57N	136.1	34.6	291.6	52.8	37.8	11.9
-32.0		240.7	27.6	.83S	.55N	1.2	75.2	.40D	.92N	152.6	53.9	277.5	22.7	19.5	26.5
19.2		267.1	75.2	.96S	.26N	1.2	75.2	.96D	.26N	44.2	-0.0	314.2	68.8	134.2	21.2
0		261.2	56.8	.95S	.31N	1.2	75.2	.82D	.57N	136.1	34.6	291.6	52.8	37.8	11.9
1.0		260.0	57.1	.95S	.32N	.3	74.6	.83D	.56N	134.9	34.9	291.6	52.8	36.9	11.3
		CONE A		7 EXA	.98	CONE C		1 EXC	.29			CONE B		8 EXB	.97

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
84.0	48-9-8	118.3	78.6	.92S	.39T	23.5	67.4	.98D	.21T	159.3	7.6	53.2	64.4	252.8	24.3
		118.3	78.6	.92S	.39T	23.5	67.4	.98D	.21T	159.3	7.6	53.2	64.4	252.8	24.3
ROTATION ABOUT A,C,B AXIS															
0		118.3	78.6	.92S	.39T	23.5	67.4	.98D	.21T	159.3	7.6	53.2	64.4	252.8	24.3
1.0		118.3	78.6	.93S	.38T	23.7	68.4	.98D	.21T	159.6	6.9	54.3	65.3	252.6	23.6
-0.6		118.1	79.2	.92S	.39T	23.5	67.4	.98D	.20T	159.3	8.0	52.0	64.7	252.9	23.8
.5		118.5	78.1	.92S	.39T	23.5	67.4	.97D	.22T	159.4	7.2	54.2	64.2	252.7	24.6
-5.6		123.5	80.8	.91S	.41T	29.5	66.3	.98D	.17T	164.4	9.8	53.2	64.4	258.7	23.4
6.4		112.3	76.2	.93S	.37T	16.8	68.9	.97D	.26T	153.6	4.9	53.2	64.4	245.9	25.1
		CONE A		4 EXA	.91	CONE C		3 EXC	.92			CONE B		1 EXB	.09

154
* JULY 9, 1950 H = 02.35.29 7.9N 72.6W DEPTH SHALLOW
RITSEMA, A.R. 1960 GEOPHYS. JOUR., 3, 307.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		15	2	70			270	85					347	70		
	71.3	15-4	357.8	66.2	1.00S	.01T	267.6	89.4	.92D	.40T	225.2	16.1	356.2	66.2	130.1	17.0
			355.4	66.5	1.00S	.01T	265.2	89.5	.92D	.40T	222.7	16.0	354.0	66.5	127.8	16.7
ROTATION ABOUT A,C,B AXIS																
	-15.0		355.4	66.5	.96S	.27T	259.1	75.8	.91D	.41T	218.6	6.2	320.5	62.1	125.4	27.1
	15.0		355.4	66.5	.97S	.25N	91.3	76.8	.91D	.41N	225.3	26.3	28.3	62.7	131.9	6.9
	-7.2		355.4	73.7	1.00S	.01T	265.2	89.5	.96D	.28T	221.4	11.1	353.4	73.7	129.0	11.8
	1.8		355.5	64.7	1.00S	.01T	265.2	89.5	.90D	.43T	223.1	17.2	354.1	64.7	127.4	18.0
	-6.4		2.4	66.7	1.00S	.06T	271.1	86.9	.92D	.40T	229.1	14.0	354.0	66.5	134.4	18.5
	4.0		351.1	66.5	1.00S	.02N	81.5	88.9	.92D	.40N	218.7	17.2	354.0	66.5	123.8	15.5
			CONE A		10 EXA	.13	CONE C		18 EXC	.65			CONE B		16 EXB	.70

155
JULY 13, 1950 H = 04.03.59 28.0N 139.6E DEPTH 500 KM .
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.
RITSEMA, A.R. 1960 GEOPHYS. JOUR., 3, 307.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA		30	312	64			72	45					24	33		
	93.8	30-2-2	63.7	77.8	.59S	.81N	170.0	37.7	.94D	.35N	279.8	45.2	145.0	35.0	36.6	24.2
			240.0	88.8	1.00S	.04N	330.0	88.0	1.00D	.02N	106.2	2.2	300.2	87.7	196.2	.6
ROTATION ABOUT A,C,B AXIS																
	-63.0		240.0	88.8	.49S	.87T	147.9	29.1	1.00D	.04T	265.4	37.1	150.6	29.0	33.6	39.3
	63.0		240.0	88.8	.42S	.91N	332.5	25.0	1.00D	.05N	83.4	41.0	329.5	25.0	217.5	38.7
	-32.0		61.2	59.2	1.00S	.04T	330.0	88.0	.86D	.51T	289.8	19.7	56.6	59.1	191.1	22.8
	8.0		239.7	80.8	1.00S	.04N	330.0	88.0	.99D	.16N	105.4	7.9	252.4	80.6	14.7	5.1
	-1.8		241.8	88.8	1.00S	.03N	331.8	88.0	1.00D	.02N	106.2	2.2	300.2	87.7	196.2	.6
	11.2		228.8	89.3	1.00S	.04N	318.8	87.8	1.00D	.01N	92.8	2.0	300.2	87.7	182.9	1.1
			CONE A		23 EXA	.68	CONE C		40 EXC	.90			CONE B		71 EXB	.68

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	93.1	30-2-2	66.3	69.0	.94S	.33T	329.1	71.9	.93D	.38T	288.1	1.9	21.7	61.7	197.1	28.2
			63.4	79.8	.99S	.16T	331.8	81.1	.98D	.18T	288.0	.9	21.7	76.4	197.7	13.6
ROTATION ABOUT A,C,B AXIS																
	-56.6		63.4	79.8	.41S	.91T	312.0	26.3	.92D	.40T	83.2	30.6	338.0	24.0	216.7	49.4
	75.8		63.4	79.8	.39S	.92N	176.0	25.3	.91D	.42N	269.1	49.9	149.1	22.8	44.5	31.0
	-0.7		63.3	80.4	.99S	.16T	331.8	81.1	.99D	.17T	287.6	.9	19.7	76.9	197.5	13.1
	38.4		71.8	42.0	.97S	.23T	331.8	81.1	.66D	.75T	301.0	24.6	54.1	40.6	188.9	39.4
	-1.4		64.8	80.0	.99S	.16T	333.2	80.9	.98D	.18T	289.1	.6	21.7	76.4	199.0	13.6
	2.4		61.0	79.4	.99S	.15T	329.4	81.6	.98D	.19T	285.3	1.5	21.7	76.4	195.0	13.5
			CONE A		12 EXA	.90	CONE C		22 EXC	.97			CONE B		72 EXB	.70

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
92.8	30-3-3	234.0	64.0	.57S	.82T	111.9	42.5	.76D	.65T	258.5	12.2	161.0	31.0	7.3	56.2
		59.0	87.0	1.00S	.10T	328.7	84.5	1.00D	.05T	103.9	1.8	357.6	83.7	194.1	6.0
ROTATION ABOUT A,C,B AXIS															
-75.8		59.0	87.0	.34S	.94N	157.4	20.0	.99D	.15N	258.6	44.6	148.0	19.7	41.2	38.9
63.0		59.0	87.0	.37S	.93T	321.4	21.7	.99D	.14T	78.3	38.3	330.2	21.4	218.0	44.0
-32.0		62.6	55.1	.99S	.12T	328.7	84.5	.82D	.57T	290.7	19.7	50.9	54.6	189.7	28.1
22.4		236.8	70.7	.99S	.10N	328.7	84.5	.94D	.33N	104.5	17.5	254.1	69.9	11.4	9.5
-3.6		62.6	87.3	1.00S	.10T	332.4	84.3	1.00D	.05T	107.1	2.1	357.6	83.7	197.3	5.9
8.0		51.1	86.2	1.00S	.09T	320.7	84.9	1.00D	.07T	95.8	.9	357.6	83.7	185.9	6.2
		CONE A		25 EXA	.79		CONE C		40 EXC .92			CONE B		87 EXB	.61

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA	93.0	45-4-4	236.5	85.5	.79S	.61T	143.0	52.7	1.00D	.10T	273.7	21.9	152.3	52.3	16.5	29.0
			236.2	86.2	.81S	.59T	143.4	54.1	1.00D	.08T	274.2	21.5	151.4	53.9	16.0	27.4
ROTATION ABOUT A,C,B AXIS																
-31.0			236.2	86.2	.39S	.92T	137.3	23.3	.99D	.17T	256.5	37.0	147.8	23.0	33.5	44.1
24.6			236.2	86.2	.98S	.20T	145.4	78.7	1.00D	.07T	280.2	5.3	164.4	78.0	11.2	10.7
-9.6			50.5	86.0	.81S	.59N	143.4	54.1	1.00D	.09N	270.8	27.6	135.1	53.8	12.7	21.4
4.0			238.5	83.0	.81S	.59T	143.4	54.1	.99D	.15T	275.7	19.2	158.0	53.2	17.3	30.1
-0.9			236.9	86.7	.81S	.59T	144.5	54.1	1.00D	.07T	275.0	22.0	151.4	53.9	16.9	27.1
11.2			227.0	79.7	.82S	.57T	129.9	55.8	.98D	.22T	264.1	15.7	151.4	53.9	4.0	31.6
			CONE A		13 EXA	.11		CONE C		26 EXC .78			CONE B		27 EXB	.76

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
		45	146	76			54	80					110	73		
	92.1	45-4-4	59.4	85.5	.96S	.29N	150.8	73.1	1.00D	.08N	283.9	15.1	135.0	72.5	16.3	8.6
			58.5	84.9	.95S	.32N	150.2	71.7	1.00D	.09N	282.9	16.6	133.4	70.9	15.6	9.2
ROTATION ABOUT A,C,B AXIS																
-43.8			58.5	84.9	.47S	.88N	158.1	28.2	.98D	.19N	265.4	43.3	145.8	27.7	35.0	34.0
18.2			58.5	84.9	1.00S	.00N	148.5	89.8	1.00D	.09N	283.6	3.7	60.6	84.9	193.4	3.5
-14.4			53.7	71.2	.94S	.33N	150.2	71.7	.94D	.34N	282.0	26.7	101.3	63.3	191.9	.3
6.4			240.5	89.0	.95S	.31T	150.2	71.7	1.00D	.02T	283.8	12.1	153.4	71.7	16.8	13.5
-4.0			62.3	83.6	.95S	.31N	154.3	72.1	.99D	.12N	287.0	17.2	133.4	70.9	19.5	8.0
8.0			50.9	87.4	.95S	.32N	141.7	71.1	1.00D	.05N	274.7	15.1	133.4	70.9	7.8	11.4
			CONE A		16 EXA	.42		CONE C		27 EXC .81			CONE B		36 EXB	.66

COMBINATION OF ICHIKAWA AND RITSEMA. IN CASES OF DISAGREEMENT OF DATA STATION IS DISCARDED.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
91.6	47-5-5	239.7	86.0	.96S	.29T	148.5	73.3	1.00D	.07T	283.0	8.9	162.8	72.8	15.3	14.6
		238.8	86.1	.94S	.35T	147.3	69.6	1.00D	.07T	281.3	11.4	159.2	69.2	14.9	17.1
ROTATION ABOUT A,C,B AXIS															
-43.8		238.8	86.1	.43S	.90T	140.7	26.0	.99D	.16T	261.1	35.9	150.7	25.7	33.9	43.1
21.4		238.8	86.1	1.00S	.02N	328.9	89.0	1.00D	.07N	103.9	3.5	252.6	86.0	13.8	2.1
-4.8		57.1	89.4	.94S	.35N	147.3	69.6	1.00D	.01N	280.4	14.7	145.6	69.6	14.1	13.8
3.6		240.1	82.7	.94S	.35T	147.3	69.6	.99D	.14T	282.2	9.0	168.8	68.2	15.4	19.6
-1.0		239.7	86.4	.94S	.35T	148.4	69.5	1.00D	.07T	282.3	11.7	159.2	69.2	15.9	16.9
9.6		229.7	82.8	.94S	.33T	137.2	70.6	.99D	.13T	272.1	8.4	159.2	69.2	5.0	18.9
		CONE A		9 EXA	.21	CONE C		26 EXC	.84			CONE B		23 EXB	.87

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
91.4	47-5-5	61.8	86.8	.96S	.28N	152.7	73.7	1.00D	.06N	286.0	13.7	140.9	73.4	18.3	9.1
		60.3	86.7	.95S	.30N	151.4	72.6	1.00D	.06N	284.4	14.6	139.8	72.3	17.0	9.8
ROTATION ABOUT A,C,B AXIS															
-50.2		60.3	86.7	.38S	.92N	158.4	22.6	.99D	.15N	262.4	43.9	149.0	22.4	40.4	37.7
18.2		60.3	86.7	1.00S	.01T	330.3	89.2	1.00D	.06T	285.3	1.8	46.6	86.6	195.2	2.9
-14.4		55.9	72.9	.95S	.31N	151.4	72.6	.95D	.31N	283.6	24.7	104.1	65.3	13.7	.2
2.4		61.0	89.0	.95S	.30N	151.4	72.6	1.00D	.02N	284.7	12.9	147.7	72.6	17.4	11.5
-1.8		62.1	86.1	.95S	.30N	153.3	72.8	1.00D	.07N	286.5	14.9	139.8	72.3	19.0	9.3
2.0		58.4	87.3	.95S	.30N	149.3	72.5	1.00D	.05N	282.4	14.2	139.8	72.3	15.0	10.3
		CONE A		8 EXA	.77	CONE C		16 EXC	.94			CONE B		34 EXB	.75

156
JULY 17, 1950 H = 20.17.50 20.5S 171E DEPTH 100 KM.
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 171.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		36-7	240	87			330	78					316	78		
	77.8	35-8-7	235.2	63.5	.78S	.63T	125.3	55.8	.84D	.54T	268.7	4.7	174.1	44.1	3.5	45.5
			235.2	63.5	.78S	.63T	125.3	55.8	.84D	.54T	268.7	4.7	174.1	44.1	3.5	45.5
ROTATION ABOUT A,C,B AXIS																
	-1.0		235.2	63.5	.77S	.64T	124.7	54.9	.84D	.55T	268.1	5.2	173.2	43.3	3.6	46.2
	3.0		235.2	63.5	.81S	.59T	127.2	58.3	.85D	.52T	270.2	3.2	176.8	46.4	3.2	43.4
	-1.0		234.5	64.3	.78S	.62T	125.3	55.8	.85D	.53T	268.2	5.2	173.0	44.7	3.4	44.8
	2.0		236.6	61.9	.77S	.64T	125.3	55.8	.82D	.57T	269.6	3.7	176.2	42.8	3.6	47.0
	-16.0		248.1	74.1	.72S	.69T	143.4	48.4	.93D	.37T	280.2	16.0	174.1	44.1	25.0	41.5
	4.8		230.9	60.5	.80S	.60T	120.6	58.5	.82D	.58T	265.3	1.2	174.1	44.1	356.5	45.9
			CONE A		8 EXA	.86	CONE C		9 EXC	.81			CONE B		3 EXB	.25

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	77.2	35-9-8	180.8	83.7	.95S	.31T	88.7	71.9	.99D	.12T	223.5	8.2	109.2	70.8	316.0	17.3
			193.5	65.7	.17S	.99T	35.9	26.0	.35D	.94T	200.8	20.1	107.5	8.8	355.1	67.9
ROTATION ABOUT A,C,B AXIS																
	-50.2		193.5	65.7	.65D	.76T	309.2	46.2	.82S	.57T	165.5	11.4	264.1	36.4	60.9	51.3
	50.2		193.5	65.7	.86S	.50T	90.0	62.7	.89D	.46T	231.2	1.9	138.8	52.0	322.7	37.9
	-32.0		180.6	74.4	.36S	.93T	35.9	26.0	.79D	.61T	177.2	26.4	76.6	20.3	313.9	55.6
	38.4		235.9	65.3	.15D	.99T	35.9	26.0	.31S	.95T	229.4	19.9	322.2	7.8	72.6	68.5
	-16.0		196.2	81.5	.15S	.99T	62.7	12.3	.72D	.70T	203.9	35.9	107.5	8.8	5.8	52.7
	19.2		189.2	46.8	.21S	.98T	26.5	44.5	.22D	.98T	197.7	1.2	107.5	8.8	295.1	81.1
			CONE A		50 EXA	.50	CONE C		59 EXC	.65			CONE B		84 EXB	.30

157
JULY 21, 1950 H = 20.32.01 15.5S 168.5E DEPTH NORMAL M = 6.8
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 171.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		49-14	137	35			19	72					-	-		
	73.4	48-12-12	60.6	68.1	.99S	.12T	328.1	83.7	.93D	.38T	286.2	10.7	42.9	67.1	192.3	20.0
			60.0	58.6	.99S	.12T	326.4	84.1	.85D	.52T	287.2	17.2	46.8	57.9	188.4	26.2
ROTATION ABOUT A,C,B AXIS																
	-0.4		60.0	58.6	.99S	.13T	326.1	83.7	.85D	.52T	287.2	16.9	46.1	57.8	188.5	26.5
	.6		60.0	58.6	.99S	.11T	326.7	84.6	.85D	.52T	287.4	17.6	47.9	58.0	188.6	25.8
	-9.6		58.8	68.1	.99S	.11T	326.4	84.1	.93D	.37T	284.4	11.0	42.0	67.2	190.4	19.7
	19.2		63.6	39.6	.99S	.16T	326.4	84.1	.63D	.78T	295.9	28.2	51.5	38.9	180.9	38.2
	-0.3		60.4	58.6	.99S	.12T	326.6	83.9	.85D	.52T	287.5	17.0	46.8	57.9	188.8	26.3
	2.8		56.7	58.3	1.00S	.09T	324.0	85.5	.85D	.53T	284.7	18.4	46.8	57.9	185.7	25.3
			CONE A		9 EXA	.89	CONE C		2 EXC	.68			CONE B		5 EXB	.97

158
JULY 22, 1950 H = 23.08.00 14S 167E DEPTH NORMAL
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 171.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		23-5	327	76			57	89					332	76		
	80.2	21-4-4	276.4	86.6	.90S	.43N	8.0	64.8	1.00D	.07N	139.4	20.1	359.3	64.5	235.0	15.0
			272.6	86.9	.86S	.51N	4.4	59.4	1.00D	.06N	134.2	23.5	357.4	59.2	232.6	18.8
ROTATION ABOUT A,C,B AXIS																
	-101.4		272.6	86.9	.67D	.74N	179.2	42.2	1.00S	.08N	57.6	34.2	185.4	42.0	305.4	29.1
	10.2		272.6	86.9	.94S	.35N	3.8	69.6	1.00D	.06N	136.4	16.6	354.4	69.3	230.0	12.0
	-1.0		272.1	86.1	.86S	.51N	4.4	59.4	1.00D	.08N	133.8	24.1	355.5	59.1	232.2	18.2
	.7		273.0	87.5	.86S	.51N	4.4	59.4	1.00D	.05N	134.4	23.0	358.8	59.3	232.9	19.2
	-1.8		274.2	86.0	.86S	.51N	6.5	59.5	1.00D	.08N	136.0	24.1	357.4	59.2	234.3	18.0
	1.6		271.2	87.7	.86S	.51N	2.6	59.3	1.00D	.05N	132.6	22.9	357.4	59.2	231.1	19.4
			CONE A		2 EXA	.50	CONE C		19 EXC	.97			CONE B		14 EXB	.98

159
* AUGUST 7, 1950 H = 02.44.45 7.5N 124.5E DEPTH 100 KM. M = 6.7
RITSEMA, A.R. 1959 PUBL. DOM. OBS., 20, 341. DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		32-5	60	70			321	67					7	58		
	83.3	33-6-6	54.6	70.5	.92S	.39T	316.4	68.2	.93D	.36T	95.1	1.5	2.5	60.0	186.0	30.0
			55.1	67.7	.87S	.49T	312.9	62.9	.90D	.43T	93.1	3.1	358.9	53.6	185.4	36.2
ROTATION ABOUT A,C,B AXIS																
	-1.4		55.1	67.7	.86S	.51T	312.2	61.6	.90D	.43T	92.5	3.9	357.4	52.5	185.5	37.2
	7.0		55.1	67.7	.92S	.38T	316.1	69.2	.91D	.41T	275.9	1.0	7.5	58.7	185.3	31.3
	-4.8		52.6	71.9	.88S	.48T	312.9	62.9	.94D	.35T	91.2	5.9	352.2	56.5	185.0	32.8
	4.0		57.3	64.2	.86S	.51T	312.9	62.9	.87D	.49T	94.8	.8	3.8	50.9	185.5	39.1
	-1.4		56.4	68.4	.87S	.50T	314.4	62.3	.91D	.42T	94.2	3.9	358.9	53.6	187.1	36.1
	2.0		53.2	66.7	.88S	.48T	310.9	63.7	.90D	.44T	91.5	1.9	358.9	53.6	182.9	36.3
			CONE A	5 EXA	.61		CONE C	5 EXC	.60				CONE B	9 EXB	.05	

160
* AUGUST 14, 1950 H = 22.51.24 28.0S 63.5W DEPTH 600 KM. M = 7.2
RITSEMA, A.R. 1964 PURE AND APPLIED GEOPHYS., 59, 58 DATA SUPPLIED BY THE AUTHOR.
DI FILIPPO, D. AND MARCELLI, L. 1957 ANNALI DI GEOFIS., 10, 221.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA			210	24			60	69					146	11		
	96.1	60-3	199.1	30.2	.50S	.87T	52.7	64.2	.28D	.96T	40.8	17.7	135.5	14.5	262.7	66.8
			199.7	19.8	.86S	.50T	81.0	80.2	.30D	.95T	66.5	33.0	168.0	17.0	280.9	51.8
ROTATION ABOUT A,C,B AXIS																
	-27.8		199.7	19.8	.53S	.85T	53.3	73.3	.19D	.98T	44.8	27.5	140.2	10.3	248.8	60.3
	5.4		199.7	19.8	.91S	.42T	86.2	81.9	.31D	.95T	70.8	34.5	173.6	17.9	286.2	49.9
	-44.8		176.2	62.5	.98S	.19T	81.0	80.2	.88D	.47T	41.4	11.9	153.3	60.5	305.4	26.6
	51.2		336.9	35.2	.96D	.29T	81.0	80.2	.56S	.83T	107.3	27.2	357.5	33.4	227.5	44.3
	-8.0		216.4	24.7	.70S	.72T	83.5	72.6	.31D	.95T	69.6	25.5	168.0	17.0	288.1	58.6
	2.0		194.3	18.8	.91S	.42T	80.4	82.1	.30D	.96T	65.7	34.9	168.0	17.0	279.4	50.0
			CONE A	31 EXA	.90		CONE C	18 EXC	.70				CONE B	56 EXB	.65	

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
DIFILIPPO		52	300	77			30	82					332	75		
	96.0	52-3-2	221.8	20.9	.89S	.45T	106.7	80.8	.32D	.95T	90.9	33.2	193.6	18.6	307.9	50.7
			224.4	19.6	.86S	.52T	104.8	80.0	.29D	.96T	90.5	32.9	191.7	16.7	304.3	52.1
ROTATION ABOUT A,C,B AXIS																
	-37.4		224.4	19.6	.37S	.93T	67.1	71.8	.13D	.99T	61.1	26.4	154.7	7.1	258.5	62.5
	1.4		224.4	19.6	.87S	.50T	106.1	80.4	.30D	.96T	91.6	33.2	193.2	17.0	305.9	51.6
	-38.4		201.6	56.0	.98S	.21T	104.8	80.0	.82D	.57T	67.5	15.8	180.6	54.1	327.6	31.3
	32.0		341.8	18.0	.83D	.56T	104.8	80.0	.26S	.97T	117.4	33.3	17.4	14.8	267.1	52.7
	-0.2		224.9	19.8	.85S	.52T	104.8	79.8	.29D	.96T	90.6	32.7	191.7	16.7	304.5	52.3
	.6		222.9	19.3	.87S	.50T	104.6	80.6	.29D	.96T	90.2	33.5	191.7	16.7	303.9	51.5
			CONE A	8 EXA	.99		CONE C	6 EXC	.98				CONE B	52 EXB	.45	

COMBINATION OF RITSEMA AND DIFILIPPO. IN CASES OF DISAGREEMENT OF DATA STATION IS DISCARDED.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
96.3	63-3-2	199.1	30.2	.50S	.87T	52.7	64.2	.28D	.96T	40.8	17.7	135.5	14.5	262.7	66.8
		199.7	19.8	.86S	.50T	81.0	80.2	.30D	.95T	66.5	33.0	168.0	17.0	280.9	51.8
ROTATION ABOUT A,C,B AXIS															
-27.8		199.7	19.8	.53S	.85T	53.3	73.3	.19D	.98T	44.8	27.5	140.2	10.3	248.8	60.3
5.4		199.7	19.8	.91S	.42T	86.2	81.9	.31D	.95T	70.8	34.5	173.6	17.9	286.2	49.9
-44.8		176.2	62.5	.98S	.19T	81.0	80.2	.88D	.47T	41.4	11.9	153.3	60.5	305.4	26.6
51.2		336.9	35.2	.96D	.29T	81.0	80.2	.56S	.83T	107.3	27.2	357.5	33.4	227.5	44.3
-8.0		216.4	24.7	.70S	.72T	83.5	72.6	.31D	.95T	69.6	25.5	168.0	17.0	288.1	58.6
2.0		194.3	18.8	.91S	.42T	80.4	82.1	.30D	.96T	65.7	34.9	168.0	17.0	279.4	50.0
		CONE A	31 EXA	.90		CONE C	18 EXC	.70				CONE B	56 EXB	.65	

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
96.9	63-3-2	266.7	11.0	.27S	.96T	102.9	79.4	.05D	1.00T	100.2	34.3	192.3	3.0	286.7	55.5
		197.7	25.0	.92S	.40T	86.3	80.3	.39D	.92T	67.2	31.4	172.1	22.8	291.5	49.5
ROTATION ABOUT A,C,B AXIS															
-31.0		197.7	25.0	.58S	.81T	56.0	69.9	.26D	.97T	44.3	23.4	140.6	14.2	259.2	62.1
3.8		197.7	25.0	.94S	.34T	89.8	81.8	.40D	.92T	70.0	32.7	176.2	23.5	294.9	47.8
-38.4		181.5	62.0	.98S	.19T	86.3	80.3	.88D	.48T	46.8	12.3	159.0	60.1	310.4	26.8
57.6		342.5	35.6	.96D	.29T	86.3	80.3	.57S	.83T	112.9	27.1	2.8	33.8	232.5	44.0
-7.2		211.6	28.6	.81S	.59T	89.2	73.7	.40D	.91T	70.8	25.0	172.1	22.8	299.0	55.0
1.8		193.7	24.4	.94S	.34T	85.6	82.0	.39D	.92T	66.2	33.1	172.1	22.8	289.9	48.0
		CONE A	29 EXA	.91		CONE C	18 EXC	.74				CONE B	58 EXB	.64	

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* AUGUST 15, 1950 H = 14.09.28 28.5N 98.7E DEPTH NORMAL
TANDON, A.N. 1954 IND. J. METEOR. GEOPH., 6, 61.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
TANDON		44	360	75			180	15					90	0		
	96.9	44-1	359.5	74.8	.27S	.96N	132.8	21.6	.70D	.71N	200.1	57.4	85.3	15.0	347.1	28.2
			198.0	81.0	.41S	.91T	88.6	25.5	.93D	.36T	217.8	31.9	112.0	23.6	352.4	48.5
ROTATION ABOUT A,C,B AXIS																
-43.8			198.0	81.0	.34D	.94T	311.5	21.8	.91S	.42T	181.4	33.1	284.8	19.6	40.0	50.1
37.4			198.0	81.0	.88S	.48T	103.1	61.7	.98D	.18T	237.6	13.0	124.0	60.0	334.2	26.5
-32.0			349.0	85.5	.42S	.91N	88.6	25.5	.98D	.18N	193.5	43.9	76.8	25.0	327.3	35.7
3.2			201.0	79.7	.40S	.92T	88.6	25.5	.91D	.42T	220.1	30.8	115.4	23.0	355.1	49.9
-16.0			24.5	84.4	.40S	.92N	127.1	24.3	.97D	.24N	228.4	45.5	112.0	23.6	4.1	35.1
1.0			197.6	80.1	.41S	.91T	86.4	25.8	.92D	.40T	217.2	31.0	112.0	23.6	351.5	49.3
			CONE A	24 EXA	.52		CONE C	37 EXC	.79				CONE B	53 EXB	.57	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	98.4	44-1	359.4	74.9	.14S	.99N	151.1	17.0	.46O	.89N	190.5	59.3	87.3	7.7	352.9	29.5
			198.3	80.5	.41S	.91T	88.2	26.0	.93O	.38T	218.3	31.2	112.6	24.0	352.1	48.8
ROTATION ABOUT A,C,B AXIS																
	-43.8		198.3	80.5	.33O	.94T	313.4	21.6	.89S	.45T	182.1	32.7	285.0	19.2	40.2	50.7
	37.4		198.3	80.5	.88S	.47T	103.2	62.1	.98O	.19T	238.0	12.3	125.4	60.3	334.2	26.5
	-38.4		343.6	83.0	.42S	.91N	88.2	26.0	.96O	.28N	189.2	46.2	70.3	24.9	322.5	33.3
	2.4		200.6	79.5	.41S	.91T	88.2	26.0	.91O	.42T	220.0	30.4	115.2	23.5	354.2	49.9
	-16.0		24.9	84.9	.41S	.91N	126.1	24.5	.98O	.21N	228.9	44.9	112.6	24.0	4.1	35.5
	.3		198.2	80.2	.41S	.91T	87.6	26.1	.92O	.39T	218.1	31.0	112.6	24.0	351.8	49.0
			CONE A		26 EXA	.60	CONE C		36 EXC	.80			CONE B		58 EXB	.50

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SEPTEMBER 10, 1950 H = 03.21.20 35.3N 140.5E DEPTH 50 KM. M = 6.7
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.
RITSEMA, A.R. 1960 GEOPHYS. JOUR., 3, 307.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA		28	12	60			261	60					317	43		
ALTER.		28	12	60			235	40					299	24		
	100.0	28-0	23.2	43.7	.38S	.93T	232.8	50.2	.34O	.94T	218.8	3.4	309.7	15.2	116.6	74.4
			23.2	43.7	.38S	.92T	233.0	50.4	.34O	.94T	218.9	3.5	309.9	15.4	116.6	74.2
ROTATION ABOUT A,C,B AXIS																
	-18.2		23.2	43.7	.08S	1.00T	209.1	46.5	.07O	1.00T	206.2	1.4	296.3	3.0	91.2	86.7
	10.2		23.2	43.7	.54S	.84T	244.8	54.5	.46O	.89T	225.8	5.8	318.1	21.9	121.8	67.3
	-22.4		357.8	55.4	.63S	.77T	233.0	50.4	.68O	.74T	24.4	2.8	292.7	31.4	119.0	58.4
	5.6		30.9	41.8	.29S	.96T	233.0	50.4	.25O	.97T	222.7	4.4	313.6	11.1	111.5	78.0
	-0.2		23.3	43.9	.38S	.92T	233.1	50.2	.34O	.94T	219.0	3.3	309.9	15.4	117.3	74.2
	12.8		14.0	32.2	.50S	.87T	228.1	62.5	.30O	.95T	215.4	15.8	309.9	15.4	82.0	67.7
			CONE A		19 EXA	.54	CONE C		19 EXC	.54			CONE B		28 EXB	.01

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	100.0	28-0	203.7	51.9	.35S	.94T	54.5	42.4	.40O	.91T	217.9	4.9	126.5	15.8	324.7	73.4
			204.2	51.8	.33S	.94T	53.9	42.2	.39O	.92T	217.9	5.0	126.5	15.2	325.5	74.0
ROTATION ABOUT A,C,B AXIS																
	-5.4		204.2	51.8	.24S	.97T	46.2	40.4	.29O	.96T	214.1	5.8	123.0	11.0	331.5	77.5
	18.2		204.2	51.8	.61S	.79T	75.4	51.6	.61O	.79T	229.8	.1	139.7	28.7	320.0	61.3
	-22.4		180.1	61.8	.54S	.84T	53.9	42.2	.71O	.70T	203.1	10.9	107.1	28.5	312.0	59.1
	2.0		206.6	51.1	.31S	.95T	53.9	42.2	.36O	.93T	219.2	4.6	128.1	13.9	327.0	75.3
	-5.6		206.4	57.1	.31S	.95T	57.5	37.1	.43O	.90T	219.3	10.4	126.5	15.2	342.4	71.5
	19.2		192.9	34.1	.47S	.88T	45.4	60.3	.30O	.95T	32.7	13.6	126.5	15.2	262.7	69.4
			CONE A		25 EXA	.02	CONE C		24 EXC	.05			CONE B		24 EXB	.03

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		36	2	65			249	50					294	40		
	97.6	36-2-1	353.9	55.8	.75S	.66T	237.8	57.1	.74D	.67T	206.1	.8	296.7	38.6	115.1	51.4
			17.5	39.4	.36S	.93T	224.2	53.7	.29D	.96T	212.5	7.3	304.2	13.3	94.3	74.7
ROTATION ABOUT A,C,B AXIS																
	-13.4		17.5	39.4	.14S	.99T	207.6	51.0	.11D	.99T	203.1	5.8	293.6	5.0	64.0	82.3
	31.0		17.5	39.4	.79S	.61T	256.6	67.1	.54D	.84T	233.0	15.7	332.4	30.1	119.0	55.2
	-28.8		344.5	55.5	.70S	.72T	224.2	53.7	.71D	.70T	13.9	1.0	283.2	35.0	105.4	55.0
	4.0		23.5	38.1	.28S	.96T	224.2	53.7	.22D	.98T	215.3	7.9	306.7	10.1	87.8	77.1
	-11.2		22.8	50.0	.30S	.95T	228.8	43.1	.34D	.94T	35.0	3.5	304.2	13.3	139.7	76.2
	19.2		359.3	22.4	.60S	.80T	218.5	72.2	.24D	.97T	207.6	25.9	304.2	13.3	58.8	60.4
			CONE A		32 EXA	.07	CONE C		37 EXC	.32			CONE B		38 EXB	.26

COMBINATION OF ICHIKAWA AND RITSEMA. IN CASES OF DISAGREEMENT OF DATA STATION IS DISCARDED.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
96.3	43-2-1	7.4	51.2	.53S	.85T	232.4	48.6	.55D	.83T	29.4	1.4	298.8	24.4	122.5	65.6
		23.2	43.3	.41S	.91T	235.1	51.3	.36D	.93T	220.3	4.2	311.5	16.4	116.5	73.1
ROTATION ABOUT A,C,B AXIS															
-18.2		23.2	43.3	.11S	.99T	211.7	47.0	.10D	.99T	207.6	1.9	297.7	4.2	93.8	85.4
31.0		23.2	43.3	.82S	.57T	266.5	67.1	.61D	.79T	240.0	13.9	339.7	34.3	131.4	52.2
-25.6		355.5	57.7	.67S	.74T	235.1	51.3	.73D	.68T	24.0	3.7	291.4	34.7	119.2	55.0
5.6		31.0	41.2	.32S	.95T	235.1	51.3	.27D	.96T	224.1	5.2	315.2	12.2	111.6	76.7
-4.8		25.9	47.7	.38S	.92T	237.5	46.9	.39D	.92T	41.6	.4	311.5	16.4	133.0	73.6
12.8		13.3	32.0	.53S	.85T	230.0	63.4	.32D	.95T	216.5	16.4	311.5	16.4	83.9	66.4
		CONE A		23 EXA	.44	CONE C		29 EXC	.64			CONE B		39 EXB	.37

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
97.0	43-2-1	206.8	52.0	.30S	.95T	53.9	41.3	.36D	.93T	219.1	5.5	127.8	13.7	330.5	75.2
		206.9	51.4	.22S	.98T	46.6	40.3	.26D	.96T	215.8	5.6	124.8	9.8	335.3	78.7
ROTATION ABOUT A,C,B AXIS															
-7.0		206.9	51.4	.10S	1.00T	35.8	38.9	.12D	.99T	210.9	6.3	120.4	4.3	356.1	82.4
13.4		206.9	51.4	.44S	.90T	64.9	45.3	.48D	.88T	225.0	3.2	133.8	20.0	323.7	69.7
-22.4		181.3	59.2	.46S	.89T	46.6	40.3	.61D	.79T	200.5	10.2	106.1	23.3	312.5	64.3
1.8		209.2	51.1	.19S	.98T	46.6	40.3	.23D	.97T	217.0	5.5	126.2	8.7	338.8	79.7
-2.0		207.5	53.4	.21S	.98T	47.4	38.3	.27D	.96T	216.1	7.7	124.8	9.8	343.5	77.5
12.8		202.5	39.0	.27S	.96T	42.4	52.7	.21D	.98T	33.6	7.0	124.8	9.8	268.8	77.9
		CONE A		19 EXA	.39	CONE C		17 EXC	.27			CONE B		22 EXB	.16

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* SEPTEMBER 14, 1950 H = 09.05.50 0.5N 127E DEPTH 225 KM. M = 6.5
RITSEMA, A.R. 1959 PUBL. DOM. OBS., 20, 341. DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		7-0	141	86			231	86					186	84		
	100.0	7-0	285.4	78.8	.95S	.30N	18.9	72.9	.98D	.20N	151.4	20.2	343.7	69.4	242.9	4.0
			285.6	78.8	.95S	.30N	19.1	73.0	.98D	.20N	151.5	20.2	343.7	69.4	243.0	4.0
ROTATION ABOUT A,C,B AXIS																
	-0.4		285.6	78.8	.95S	.31N	19.2	72.6	.98D	.20N	151.5	20.4	344.3	69.1	243.1	4.3
	10.2		285.6	78.8	.99S	.12N	17.0	83.0	.98D	.20N	151.7	13.0	318.5	76.7	61.1	2.9
	-12.8		281.5	66.6	.95S	.32N	19.1	73.0	.91D	.42N	151.7	29.2	321.8	60.4	59.3	4.3
	22.4		112.3	79.8	.95S	.30T	19.1	73.0	.98D	.18T	154.8	4.7	51.8	70.0	246.4	19.4
	-0.2		285.8	78.7	.95S	.30N	19.3	73.0	.98D	.20N	151.8	20.2	343.7	69.4	243.2	3.9
	14.4		271.8	83.3	.94S	.33N	4.1	70.6	.99D	.12N	136.5	18.5	343.7	69.4	229.5	8.8
			CONE A	23 EXA	.59		CONE C	12 EXC	.27				CONE B	19 EXB	.70	

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SEPTEMBER 16, 1950 H = 12.48.34 32.7N 131.5E DEPTH 150 KM.
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA		14	270	45			37	60					324	30		
	100.0	14-0	136.1	16.0	.33S	.94N	295.9	74.9	.10D	1.00N	108.2	59.7	207.3	5.3	300.3	29.7
			29.0	47.0	.96D	.26N	288.5	78.9	.72S	.70N	148.7	38.2	7.1	44.9	255.5	20.2
ROTATION ABOUT A,C,B AXIS																
	-50.2		29.0	47.0	.82D	.57T	144.5	65.3	.66S	.75T	172.9	10.8	74.7	36.9	276.5	51.0
	56.6		29.0	47.0	.31D	.95N	234.6	46.0	.32S	.95N	133.9	76.9	311.6	13.1	41.7	.5
	-28.8		21.5	75.1	.98D	.20N	288.5	78.9	.96S	.26N	154.5	18.6	343.1	71.2	245.4	2.6
	51.2		133.8	12.3	.42S	.91N	288.5	78.9	.09D	1.00N	102.0	55.8	199.5	5.1	292.9	33.7
	-28.8		349.1	46.3	.98D	.22T	87.9	80.8	.71S	.70T	120.9	22.0	7.1	44.9	228.6	36.9
	19.2		52.0	54.5	.87D	.50N	303.4	66.0	.77S	.64N	173.1	44.2	7.1	44.9	270.0	7.1
			CONE A	62 EXA	.40		CONE C	72 EXC	.55				CONE B	92 EXB	.25	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	95.1	14-1-1	144.3	76.2	.57S	.82T	35.3	37.2	.92D	.40T	170.4	23.3	63.7	33.7	287.9	47.1
			288.3	79.0	.75S	.66N	27.7	49.9	.97D	.25N	149.7	36.2	5.9	47.8	254.0	18.7
ROTATION ABOUT A,C,B AXIS																
	-50.2		288.3	79.0	.02D	1.00N	114.7	11.1	.11S	.99N	106.7	56.0	198.5	1.2	289.3	34.0
	27.8		288.3	79.0	.97S	.23N	20.8	77.0	.98D	.20N	154.3	17.1	339.2	72.8	244.7	1.4
	-51.2		242.8	45.8	.44S	.90N	27.7	49.9	.41D	.91N	141.1	71.5	314.0	18.4	44.7	2.1
	51.2		143.4	62.8	.69S	.72T	27.7	49.9	.80D	.60T	172.8	7.6	76.9	37.8	272.4	51.2
	-19.2		303.9	66.9	.80S	.59N	50.0	56.9	.88D	.47N	173.4	41.5	5.9	47.8	269.0	6.2
	28.8		86.7	81.8	.75S	.66T	349.5	48.9	.98D	.19T	121.4	21.3	5.9	47.8	226.9	34.4
			CONE A	70 EXA	.53		CONE C	61 EXC	.38				CONE B	89 EXB	.24	

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* SEPTEMBER 16, 1950 H = 21.58.17 52.0N 177.1E DEPTH 100 KM.
RITSEMA, A.R. 1960 GEOPHYS. JOUR., 3, 307.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		18	106	73			6	60					41	54		
	94.8	18-1-1	9.7	67.6	.99S	.16N	103.1	81.7	.92D	.39N	238.5	21.9	32.2	65.9	144.6	9.7
			.4	56.0	.92S	.38N	103.4	71.5	.81D	.59N	236.7	38.3	36.9	50.0	138.8	9.8
ROTATION ABOUT A,C,B AXIS																
	-13.4		.4	56.0	.81S	.59N	112.4	60.9	.77D	.64N	238.6	47.6	52.7	42.2	145.4	3.0
	7.0		.4	56.0	.96S	.27N	99.2	77.2	.82D	.57N	235.1	33.5	26.7	53.0	135.8	13.8
	-3.2		358.8	53.0	.92S	.40N	103.4	71.5	.77D	.63N	237.5	40.5	34.6	47.2	137.4	11.6
	11.2		5.0	66.4	.94S	.35N	103.4	71.5	.91D	.42N	235.4	30.5	47.7	59.3	143.4	3.4
	-5.6		6.8	54.0	.95S	.32N	108.1	74.9	.79D	.61N	243.6	36.8	36.9	50.0	143.4	13.4
	22.4		337.8	66.6	.83S	.55N	82.5	59.6	.89D	.46N	208.0	39.7	36.9	50.0	301.6	4.4
			CONE A		20 EXA	.49	CONE C		24 EXC	.27			CONE B		17 EXB	.29

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	94.6	18-1-1	14.6	53.8	.99S	.13T	280.1	83.9	.80D	.59T	242.8	20.0	1.9	53.1	140.9	29.5
			28.7	45.0	.97S	.25T	288.3	79.8	.70D	.72T	256.3	22.0	8.6	43.3	147.4	38.6
ROTATION ABOUT A,C,B AXIS																
	-0.2		28.7	45.0	.97S	.25T	288.2	79.7	.70D	.72T	256.2	21.9	8.4	43.2	147.3	38.8
	11.8		28.7	45.0	1.00S	.05T	296.8	88.1	.71D	.71T	262.1	28.4	24.9	45.0	152.7	31.5
	-16.0		24.1	60.6	.98S	.20T	288.3	79.8	.87D	.50T	249.3	12.8	1.2	58.6	152.4	28.1
	115.2		194.9	71.4	.98D	.19T	288.3	79.8	.95S	.32T	330.5	5.8	225.6	68.6	62.7	20.5
	-0.5		29.4	45.2	.97S	.26T	288.7	79.5	.70D	.72T	256.6	21.7	8.6	43.3	147.9	38.8
	2.8		24.8	44.4	.98S	.20T	286.4	81.8	.69D	.72T	254.0	23.8	8.6	43.3	144.4	37.3
			CONE A		21 EXA	.97	CONE C		6 EXC	.72			CONE B		40 EXB	.91

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SEPTEMBER 19, 1950 H = 20.29.48 2S 138.5E DEPTH NORMAL M = 6.9
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		20-4	28	75			128	56					98	52		
	85.2	20-4-3	210.6	89.6	.84S	.54T	120.3	57.1	1.00D	.01T	250.5	22.3	121.2	57.1	350.5	22.9
			216.8	81.9	.82S	.58T	121.1	55.2	.99D	.17T	254.1	17.7	138.1	54.0	354.8	30.2
ROTATION ABOUT A,C,B AXIS																
	-101.4		216.8	81.9	.73D	.69T	314.4	47.2	.98S	.19T	183.0	22.4	298.3	46.0	75.9	35.5
	3.8		216.8	81.9	.85S	.52T	121.9	58.9	.99D	.16T	255.6	15.4	139.8	57.7	353.9	27.6
	-12.8		29.4	87.6	.82S	.57N	121.1	55.2	1.00D	.05N	249.5	25.7	116.0	55.1	350.7	22.0
	.5		217.1	81.5	.82S	.58T	121.1	55.2	.98D	.18T	254.3	17.4	138.9	53.9	355.0	30.5
	-12.8		227.2	89.4	.81S	.59T	136.8	54.0	1.00D	.01T	266.1	24.1	138.1	54.0	8.1	25.0
	.1		216.7	81.8	.82S	.58T	121.0	55.2	.98D	.17T	254.0	17.6	138.1	54.0	354.7	30.3
			CONE A		13 EXA	.03	CONE C		37 EXC	.88			CONE B		37 EXB	.87

167
* SEPTEMBER 22, 1950 H = 23.53.32 17.6S 177.1W DEPTH 400 KM.
RITSEMA, A.R. 1960 GEOPHYS. JOUR., 3, 307.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		31	51	69			319	84					33	68		
	89.7	31-4-3	47.9	85.4	.99S	.11T	317.4	83.5	1.00D	.08T	92.6	1.3	353.0	82.0	182.8	7.9
			47.9	85.4	.99S	.11T	317.4	83.5	1.000	.08T	92.6	1.3	353.0	82.0	182.8	7.9
ROTATION ABOUT A,C,B AXIS																
	-0.4		47.9	85.4	.99S	.12T	317.4	83.1	1.000	.08T	92.6	1.6	351.4	81.7	182.8	8.1
	.2		47.9	85.4	.99S	.11T	317.4	83.7	1.000	.08T	92.6	1.2	353.8	82.2	182.7	7.7
	-0.3		47.9	85.7	.99S	.11T	317.4	83.5	1.000	.08T	92.6	1.5	351.2	82.2	182.8	7.6
	.6		48.0	84.8	.99S	.11T	317.4	83.5	1.000	.09T	92.7	.9	356.4	81.6	182.8	8.3
	-3.6		51.5	85.8	.99S	.12T	321.0	83.2	1.000	.07T	96.1	1.8	353.0	82.0	186.4	7.8
	1.4		46.6	85.2	.99S	.11T	316.0	83.6	1.000	.08T	91.0	1.1	353.0	82.0	181.2	7.9
			CONE A		2 EXA	.82	CONE C		2 EXC	.88			CONE B		1 EXB	.33

168
* SEPTEMBER 29, 1950 H = 06.32.13 18.9N 107.0W DEPTH SHALLOW
RITSEMA, A.R. 1960 GEOPHYS. JOUR., 3, 307.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		23	224	90			314	88					314	88		
	94.2	23-1-1	128.8	89.5	1.00S	.04N	218.8	87.5	1.00D	.01N	353.8	2.1	207.5	87.5	83.8	1.4
			125.2	85.6	.97S	.26N	216.4	74.9	1.000	.08N	350.0	13.8	199.5	74.2	81.8	7.5
ROTATION ABOUT A,C,B AXIS																
	-75.8		125.2	85.6	.02D	1.00N	317.9	4.5	.22S	.98N	304.1	49.4	35.3	1.0	126.2	40.6
	31.0		125.2	85.6	.96S	.27T	34.0	74.2	1.00D	.08T	168.6	7.9	50.3	73.6	260.6	14.3
	-4.0		124.2	81.8	.96S	.26N	216.4	74.9	.99D	.15N	349.5	16.6	186.5	72.7	80.9	4.8
	4.8		306.5	89.7	.97S	.26T	216.4	74.9	1.00D	0T	350.2	10.4	217.4	74.9	82.3	10.8
	-6.4		131.4	84.0	.97S	.25N	223.0	75.5	.99D	.11N	356.4	14.6	199.5	74.2	87.9	5.9
	5.6		119.8	87.1	.96S	.27N	210.6	74.5	1.00D	.05N	344.2	13.0	199.5	74.2	76.2	8.8
			CONE A		10 EXA	.27	CONE C		36 EXC	.89			CONE B		31 EXB	.92

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	96.1	23-1-1	121.8	57.6	.93S	.36T	20.0	72.2	.83D	.56T	343.8	9.4	85.9	51.9	246.7	36.5
			124.7	49.7	.92S	.40T	19.1	72.3	.73D	.68T	346.7	14.0	90.9	44.4	243.6	42.2
ROTATION ABOUT A,C,B AXIS																
	-1.4		124.7	49.7	.91S	.42T	18.1	71.3	.73D	.68T	346.0	13.3	89.1	43.8	243.1	43.2
	3.8		124.7	49.7	.94S	.34T	21.7	75.1	.74D	.67T	348.6	16.0	95.8	45.9	244.8	39.7
	-28.8		113.4	76.7	.95S	.31T	19.1	72.3	.97D	.24T	155.7	3.0	58.4	67.6	246.9	22.2
	32.0		157.1	23.2	.64S	.77T	19.1	72.3	.26D	.96T	7.1	25.8	104.3	14.5	220.8	59.9
	-2.0		127.1	50.5	.91S	.42T	20.6	71.0	.74D	.67T	348.2	12.7	90.9	44.4	246.1	42.8
	7.2		115.7	47.2	.95S	.30T	13.7	77.3	.72D	.70T	341.2	19.0	90.9	44.4	234.8	39.5
			CONE A		24 EXA	.85	CONE C		7 EXC	.43			CONE B		18 EXB	.91

169
* OCTOBER 5, 1950 H = 16.09.42 10.4N 85.7W DEPTH 130 KM.
RITSEMA, A.R. 1960 GEOPHYS. JOUR., 3, 307.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		34	115	80			0	22					28	20		
	87.4	34-5-5	131.6	84.7	.71S	.70T	36.3	45.5	.99D	.13T	165.4	25.5	46.9	45.0	274.2	34.1
			172.1	70.6	.26S	.97T	30.8	24.3	.59D	.81T	183.7	24.2	87.2	14.1	329.6	61.5
ROTATION ABOUT A,C,B AXIS																
	-18.2		172.1	70.6	.06D	1.00T	342.4	19.7	.16S	.99T	169.6	25.5	261.1	3.1	357.5	64.3
	43.8		172.1	70.6	.85S	.52T	70.7	60.7	.92D	.38T	209.7	6.4	110.9	53.7	304.3	35.6
	-44.8		129.1	86.3	.41S	.91T	30.8	24.3	.99D	.16T	150.2	36.8	40.8	24.0	285.7	43.6
	38.4		213.3	65.7	.02D	1.00T	30.8	24.3	.04S	1.00T	212.6	20.7	302.9	.9	35.3	69.3
	-32.0		.2	78.4	.25S	.97N	128.2	18.4	.77D	.64N	197.7	54.4	87.2	14.1	348.2	31.9
	19.2		166.0	52.1	.31S	.95T	13.8	41.3	.37D	.93T	178.6	5.6	87.2	14.1	289.6	74.8
			CONE A	65 EXA	.38		CONE C	56 EXC	.17				CONE B	72 EXB	.25	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	87.0	34-5-5	124.4	81.3	.26S	.97T	4.9	17.3	.86D	.51T	137.2	34.6	36.7	14.8	287.3	51.5
			138.7	72.4	.18S	.98T	350.0	20.4	.50D	.87T	147.0	26.7	51.9	10.0	303.2	61.2
ROTATION ABOUT A,C,B AXIS																
	-15.0		138.7	72.4	.08D	1.00T	303.9	18.2	.24S	.97T	135.1	27.3	227.3	4.3	325.6	62.3
	37.4		138.7	72.4	.74S	.67T	33.3	50.2	.92D	.39T	171.4	13.8	67.2	45.0	274.1	41.7
	-28.8		109.9	79.5	.30S	.95T	350.0	20.4	.85D	.52T	124.5	32.3	23.2	17.3	269.4	52.3
	64.0		206.0	73.3	.21D	.98T	350.0	20.4	.56S	.83T	196.7	27.4	292.6	11.3	42.9	60.0
	-16.0		141.5	88.1	.17S	.98T	40.9	10.1	.98D	.19T	151.1	42.3	51.9	10.0	311.4	46.0
	2.0		138.3	70.4	.18S	.98T	347.4	22.2	.46D	.89T	146.5	24.7	51.9	10.0	301.5	63.1
			CONE A	41 EXA	.81		CONE C	31 EXC	.66				CONE B	70 EXB	.44	

170
OCTOBER 8, 1950 H = 03.23.09 4S 128.5E DEPTH NORMAL M = 7.6
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		37-11	21	76			285	67					320	63		
	77.2	37-10-7	300.0	78.8	1.00S	.04N	30.4	87.8	.98D	.19N	165.8	9.5	311.4	78.6	74.7	6.3
			300.3	78.8	1.00S	.04N	30.7	87.8	.98D	.19N	166.1	9.5	311.7	78.6	75.0	6.3
ROTATION ABOUT A,C,B AXIS																
	-0.4		300.3	78.8	1.00S	.05N	30.8	87.4	.98D	.19N	166.1	9.7	313.7	78.5	75.0	6.0
	3.0		300.3	78.8	1.00S	.01T	210.2	89.3	.98D	.19T	165.5	7.4	296.4	78.8	74.5	8.4
	-0.3		300.3	78.5	1.00S	.04N	30.7	87.8	.98D	.20N	166.1	9.7	311.4	78.3	74.9	6.5
	0		300.3	78.8	1.00S	.04N	30.7	87.8	.98D	.19N	166.1	9.5	311.7	78.6	75.0	6.3
	-0.1		300.4	78.8	1.00S	.04N	30.8	87.8	.98D	.19N	166.1	9.5	311.7	78.6	75.0	6.3
	.5		299.8	78.8	1.00S	.04N	30.3	87.7	.98D	.19N	165.6	9.5	311.7	78.6	74.5	6.2
			CONE A	0 EXA	.50		CONE C	1 EXC	.82				CONE B	1 EXB	.91	

171
* OCTOBER 21, 1950 H = 04.12.59 18.5S 173.5W DEPTH 60 KM.
RITSEMA, A.R. 1960 GEOPHYS. JOUR., 3, 307.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		25	350	85			258	70					274	70		
	89.1	25-2-2	256.8	74.1	1.00S	.07N	348.0	86.0	.96D	.27N	123.5	14.0	271.7	73.6	31.4	8.3
			258.9	67.4	1.00S	.08N	350.6	86.0	.92D	.38N	127.1	18.7	270.1	67.0	32.6	12.9
ROTATION ABOUT A,C,B AXIS																
	-1.8		258.9	67.4	.99S	.11N	351.3	84.3	.92D	.39N	127.3	19.9	274.6	66.7	33.0	11.6
	.4		258.9	67.4	1.00S	.07N	350.4	86.4	.92D	.38N	127.1	18.4	269.1	67.1	32.6	13.1
	-3.6		258.6	63.8	1.00S	.08N	350.6	86.0	.90D	.44N	127.8	21.2	268.7	63.5	31.8	15.2
	16.0		260.1	83.4	1.00S	.07N	350.6	86.0	.99D	.12N	125.6	7.5	291.7	82.3	35.3	1.8
	-1.2		260.2	67.3	1.00S	.07N	351.7	86.4	.92D	.39N	128.1	18.5	270.1	67.0	33.6	13.2
	4.8		253.8	67.9	.99S	.11N	346.1	84.1	.93D	.38N	121.9	19.8	270.1	67.0	27.8	11.2
			CONE A	11 EXA	.69		CONE C	4 EXC	.63				CONE B	7 EXB	.89	

172
* OCTOBER 21, 1950 H = 09.42.58 17.8N 105.5W DEPTH SHALLOW
RITSEMA, A.R. 1960 GEOPHYS. JOUR., 3, 307.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		19	132	74			35	68					75	62		
	90.8	19-1-1	311.0	87.9	.96S	.28N	41.6	73.8	1.00D	.04N	175.1	12.9	33.8	73.7	267.4	9.8
			309.8	87.9	.96S	.29N	40.4	73.1	1.00D	.04N	173.9	13.4	33.0	72.9	266.4	10.4
ROTATION ABOUT A,C,B AXIS																
	-1.8		309.8	87.9	.95S	.32N	40.5	71.3	1.00D	.04N	173.7	14.7	33.7	71.1	266.8	11.6
	1.8		309.8	87.9	.97S	.26N	40.3	74.9	1.00D	.04N	174.2	12.2	32.2	74.7	266.2	9.1
	-8.0		307.4	80.3	.96S	.30N	40.4	73.1	.98D	.18N	173.0	19.0	8.8	70.3	264.7	5.0
	32.0		139.9	61.6	.94S	.33T	40.4	73.1	.87D	.50T	2.2	7.5	103.5	56.1	267.3	32.8
	-2.4		312.1	87.2	.96S	.29N	42.9	73.2	1.00D	.05N	176.4	13.9	33.0	72.9	268.8	9.8
	2.8		307.1	88.8	.96S	.29N	37.5	73.0	1.00D	.02N	170.8	12.8	33.0	72.9	263.4	11.1
			CONE A	14 EXA	.87		CONE C	4 EXC	.31				CONE B	12 EXB	.91	

173
NOVEMBER 2, 1950 H = 15.27.56 7.5S 129E DEPTH 220 KM. M = 7.5
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		40-4	54	60			315	75					22	56		
	89.7	40-4-4	327.9	81.7	.89S	.45N	62.1	63.5	.99D	.16N	191.9	24.7	42.0	62.0	287.7	12.3
			323.9	81.6	.46S	.89N	69.8	28.3	.95D	.31N	171.9	46.5	49.7	26.8	301.8	31.3
ROTATION ABOUT A,C,B AXIS																
	-75.8		323.9	81.6	.75D	.66N	226.6	49.2	.98S	.19N	103.8	34.4	243.3	48.0	358.5	21.0
	31.0		323.9	81.6	.85S	.53N	59.1	58.5	.99D	.17N	186.9	28.2	40.7	57.2	285.4	15.4
	-22.4		303.1	72.1	.38S	.92N	69.8	28.3	.76D	.65N	152.8	57.1	25.9	21.2	286.0	23.9
	3.2		326.8	83.1	.46S	.89N	69.8	28.3	.97D	.25N	174.3	45.0	53.2	27.3	304.0	32.5
	-11.2		329.3	71.7	.48S	.88N	89.4	33.4	.82D	.57N	184.5	54.4	49.7	26.8	308.1	21.6
	.2		323.8	81.8	.46S	.89N	69.4	28.3	.95D	.30N	171.7	46.4	49.7	26.8	301.7	31.5
			CONE A	17 EXA	.55		CONE C	35 EXC	.89				CONE B	52 EXB	.76	

174
NOVEMBER 5, 1950 H = 17.37.25 33.5N 134.9E DEPTH NORMAL M= 6.7
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA			-	0			140	90					-	0		
	96.6	21-1-1	171.6	63.2	.23S	.97N	324.4	29.6	.41D	.91N	18.0	69.0	255.6	11.6	162.0	17.2
			171.8	63.1	.23S	.97N	324.4	29.7	.41D	.91N	18.8	69.0	255.8	11.8	162.1	17.1
ROTATION ABOUT A,C,B AXIS																
	-1.4		171.8	63.1	.20S	.98N	327.0	29.2	.37D	.93N	16.3	69.6	256.4	10.5	163.1	17.3
	2.6		171.8	63.1	.27S	.96N	319.8	30.9	.47D	.88N	22.7	67.9	254.5	14.1	160.2	16.7
	-11.2		159.3	61.1	.13S	.99N	324.4	29.7	.23D	.97N	357.2	72.9	245.8	6.4	154.0	15.8
	9.6		182.1	65.7	.30S	.95N	324.4	29.7	.56D	.83N	32.3	64.9	264.6	16.0	169.0	18.9
	-2.0		172.3	61.2	.23S	.97N	326.0	31.6	.39D	.92N	22.2	70.6	255.8	11.8	162.6	15.2
	3.2		171.0	66.2	.22S	.97N	321.5	26.8	.45D	.89N	14.3	66.3	255.8	11.8	161.4	20.2
			CONE A	10 EXA	.75		CONE C	5 EXC	.23				CONE B	9 EXB	.81	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	95.5	21-1-1	195.3	80.2	.11S	.99N	341.5	11.7	.55D	.84N	23.2	54.4	284.2	6.4	189.7	34.9
			195.3	80.2	.11S	.99N	341.5	11.7	.55D	.84N	23.2	54.4	284.2	6.4	189.7	34.9
ROTATION ABOUT A,C,B AXIS																
	-2.2		195.3	80.2	.07S	1.00N	351.5	10.7	.40D	.92N	20.5	54.6	284.6	4.2	191.6	35.1
	2.2		195.3	80.2	.15S	.99N	333.4	13.1	.66D	.75N	25.8	54.0	283.8	8.6	187.8	34.6
	-19.2		175.8	78.6	.05S	1.00N	341.5	11.7	.24D	.97N	359.5	56.3	265.3	2.8	173.4	33.5
	12.8		208.2	81.9	.15S	.99N	341.5	11.7	.72D	.69N	37.9	52.4	296.9	8.4	200.7	36.4
	-1.8		195.5	78.4	.11S	.99N	345.8	13.3	.49D	.87N	23.8	56.1	284.2	6.4	190.0	33.1
	1.0		195.2	81.2	.11S	.99N	338.6	10.9	.59D	.81N	22.9	53.4	284.2	6.4	189.5	35.9
			CONE A	9 EXA	.91		CONE C	4 EXC	.36				CONE B	12 EXB	.86	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	87.6	21-2-2	156.8	31.5	.34S	.94N	314.1	60.5	.20D	.98N	106.7	72.0	229.9	10.1	322.6	14.8
			157.0	34.8	.42S	.91N	307.3	58.9	.28D	.96N	89.3	71.1	226.0	14.0	319.2	12.4
ROTATION ABOUT A,C,B AXIS																
	-7.0		157.0	34.8	.31S	.95N	315.3	57.2	.21D	.98N	101.2	74.6	232.0	10.2	324.1	11.4
	7.0		157.0	34.8	.53S	.85N	299.7	61.1	.35D	.94N	80.4	67.3	219.8	17.6	314.3	13.8
	-3.2		151.8	33.5	.35S	.94N	307.3	58.9	.23D	.97N	94.5	72.7	224.3	11.3	316.9	13.0
	1.4		159.2	35.4	.45S	.89N	307.3	58.9	.31D	.95N	87.3	70.3	226.8	15.2	320.2	12.2
	-5.6		161.8	29.8	.49S	.87N	309.1	64.3	.27D	.96N	100.0	67.0	226.0	14.0	320.6	17.9
	.9		156.4	35.6	.42S	.91N	307.0	58.0	.29D	.96N	87.1	71.7	226.0	14.0	318.9	11.5
			CONE A	5 EXA	.29		CONE C	10 EXC	.54				CONE B	8 EXB	.67	

175
NOVEMBER 8, 1950 H = 02.18.12 9.7S 159.5E DEPTH NORMAL M = 7.2
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		24-6	210	68			302	86					222	68		
	79.2	23-5-4	315.3	62.4	.93S	.37N	55.6	71.1	.87D	.49N	187.7	33.8	355.6	55.6	93.9	5.7
			318.6	60.2	.93S	.37N	59.7	71.5	.85D	.52N	192.3	35.1	357.0	53.9	97.1	7.3
ROTATION ABOUT A,C,B AXIS																
	-0.8		318.6	60.2	.93S	.38N	60.1	70.8	.85D	.53N	192.3	35.7	358.1	53.4	97.4	6.8
	8.6		318.6	60.2	.97S	.22N	55.1	78.9	.86D	.51N	190.9	29.2	343.3	57.8	93.8	12.4
	-76.8		193.4	25.9	.69D	.73N	59.7	71.5	.32S	.95N	265.6	59.4	143.6	17.4	45.5	24.3
	9.6		322.4	69.2	.94S	.34N	59.7	71.5	.93D	.37N	191.6	28.4	7.9	61.6	100.7	1.5
	-0.2		318.8	60.2	.93S	.36N	59.9	71.6	.85D	.52N	192.4	35.1	357.0	53.9	97.2	7.4
	1.4		317.1	60.8	.93S	.38N	58.4	70.7	.86D	.52N	190.4	35.4	357.0	53.9	95.8	6.4
			CONE A		12 EXA	.98	CONE C		4 EXC	.83			CONE B		28 EXB	.89

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	76.3	23-5-5	290.2	84.9	1.00S	.06N	20.5	86.3	1.00D	.09N	155.4	6.2	326.3	83.7	65.3	1.0
			290.2	84.9	1.00S	.06N	20.5	86.3	1.00D	.09N	155.4	6.2	326.3	83.7	65.3	1.0
ROTATION ABOUT A,C,B AXIS																
	-0.6		290.2	84.9	1.00S	.08N	20.5	85.7	1.00D	.09N	155.4	6.7	330.5	83.3	65.3	.6
	31.0		290.2	84.9	.89S	.46T	197.5	62.8	1.00D	.10T	330.7	15.1	209.9	62.3	67.2	22.7
	-1.0		290.1	83.9	1.00S	.06N	20.5	86.3	.99D	.11N	155.4	6.9	321.6	82.9	65.2	1.7
	1.2		290.2	86.1	1.00S	.06N	20.5	86.3	1.00D	.07N	155.3	5.4	333.8	84.6	65.3	.1
	-3.2		293.4	84.7	1.00S	.06N	23.7	86.6	1.00D	.09N	158.7	6.2	326.3	83.7	68.5	1.3
	4.8		285.4	85.2	1.00S	.07N	15.7	85.9	1.00D	.08N	150.8	6.3	326.3	83.7	60.8	.5
			CONE A		4 EXA	.73	CONE C		16 EXC	.75			CONE B		8 EXB	.93

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	77.9	23-5-4	119.4	84.0	.95S	.31N	211.4	71.8	.99D	.11N	344.1	17.1	191.9	70.8	76.7	8.4
			113.9	83.8	.89S	.45N	207.0	63.2	.99D	.12N	337.2	23.3	191.9	62.4	73.4	14.0
ROTATION ABOUT A,C,B AXIS																
	-3.8		113.9	83.8	.86S	.51N	207.5	59.4	.99D	.13N	336.3	25.8	193.6	58.7	74.6	16.4
	27.8		113.9	83.8	1.00S	.01T	23.8	89.2	.99D	.11T	338.9	3.8	106.4	83.8	248.6	4.9
	-1.4		113.2	82.6	.89S	.45N	207.0	63.2	.99D	.15N	336.8	24.2	189.0	62.0	72.9	13.2
	.1		113.9	83.9	.89S	.45N	207.0	63.2	.99D	.12N	337.2	23.2	192.1	62.4	73.4	14.1
	-2.8		116.4	82.5	.89S	.45N	210.1	63.6	.99D	.14N	340.3	24.0	191.9	62.4	76.1	12.8
	.1		113.8	83.9	.89S	.45N	206.9	63.2	.99D	.12N	337.0	23.2	191.9	62.4	73.2	14.1
			CONE A		2 EXA	.48	CONE C		10 EXC	.91			CONE B		7 EXB	.95

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* NOVEMBER 17, 1950 H = 19.28.16 16.8N 100.7W DEPTH SHALLOW
RITSEMA, A.R. 1960 GEOPHYS. JOUR., 3, 307.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		20	5	60			-	-					-	-		
	85.1	20-3-2	28.5	71.8	.76S	.65T	283.4	51.6	.92D	.40T	61.8	12.6	318.4	45.9	163.1	41.4
			166.0	86.9	.15S	.99N	276.0	9.0	.94D	.35N	354.9	47.5	255.6	8.4	158.1	41.3
ROTATION ABOUT A,C,B AXIS																
	-63.0		166.0	86.9	.82D	.58N	73.9	54.6	1.00S	.07N	305.9	26.6	80.4	54.5	204.4	21.8
	56.6		166.0	86.9	.91S	.42N	257.5	65.1	1.00D	.06N	29.0	19.7	249.5	64.8	124.6	15.1
	-51.2		114.8	81.5	.05S	1.00N	276.0	9.0	.32D	.95N	298.2	53.4	204.4	2.8	112.3	36.4
	57.6		43.1	84.6	.12S	.99T	276.0	9.0	.79D	.61T	49.6	39.2	313.8	7.1	215.3	49.9
	-22.4		169.6	64.8	.16S	.99N	328.6	26.8	.32D	.95N	8.0	68.8	255.6	8.4	162.6	19.3
	28.8		341.6	64.6	.16S	.99T	182.5	26.9	.32D	.95T	348.5	19.1	255.6	8.4	143.0	69.0
			CONE A	75	EXA	.53	CONE C	78	EXC	.57			CONE B	114	EXB	.09

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	86.5	20-2-2	131.0	21.1	.72S	.70T	359.0	75.5	.27D	.96T	346.5	28.9	85.0	15.0	199.2	56.8
			136.6	8.4	.74S	.67T	5.0	84.4	.11D	.99T	359.3	39.1	94.4	6.2	191.9	50.2
ROTATION ABOUT A,C,B AXIS																
	-31.0		136.6	8.4	.29S	.96T	333.9	82.0	.04D	1.00T	331.6	37.0	63.5	2.5	156.8	52.9
	37.4		136.6	8.4	1.00S	.08T	42.1	89.3	.15D	.99T	33.9	43.7	132.0	8.4	230.5	45.1
	-51.2		98.6	57.7	.99S	.12T	5.0	84.4	.84D	.54T	326.2	18.0	86.3	57.1	226.8	26.5
	64.0		271.5	57.9	.99D	.12T	5.0	84.4	.85S	.53T	43.9	17.9	283.8	57.3	143.1	26.4
	-22.4		172.8	28.7	.23S	.97T	7.7	62.1	.12D	.99T	2.5	16.8	94.4	6.2	203.9	72.0
	19.2		28.7	14.9	.42S	.91N	182.9	76.5	.11D	.99N	354.4	58.0	94.4	6.2	188.2	31.2
			CONE A	69	EXA	.64	CONE C	53	EXC	.39			CONE B	89	EXB	.41

177
DECEMBER 2, 1950 H = 19.51.49 18.2S 167E DEPTH NORMAL M = 7.7
WEBB, J.P. 1954 DOCTORAL THESIS, ST. LOUIS UNIVERSITY.
MUHLHAUSER, S. 1957 TELLUS, 9, 104.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
WEBB		44	135	86			226	88					160	85		
	93.3	44-3-3	39.9	89.2	.99S	.11N	130.0	83.9	1.00D	.01N	264.9	4.9	122.6	83.8	355.2	3.8
			39.4	89.2	.99S	.11N	129.5	83.5	1.00D	.01N	264.2	5.1	122.3	83.5	354.5	4.0
ROTATION ABOUT A,C,B AXIS																
	-1.0		39.4	89.2	.99S	.13N	129.5	82.5	1.00D	.01N	264.1	5.8	123.2	82.5	354.5	4.7
	1.4		39.4	89.2	1.00S	.09N	129.5	84.9	1.00D	.01N	264.1	4.1	120.3	84.9	354.3	3.0
	-0.6		39.4	88.6	.99S	.11N	129.5	83.5	1.00D	.02N	264.1	5.5	117.1	83.4	354.5	3.6
	4.8		220.0	86.0	.99S	.11T	129.5	83.5	1.00D	.07T	264.5	1.8	161.3	82.4	354.8	7.4
	-2.8		42.2	88.9	.99S	.11N	132.3	83.6	1.00D	.02N	266.9	5.3	122.3	83.5	357.2	3.7
	4.0		35.4	89.6	.99S	.11N	125.5	83.5	1.00D	.01N	260.6	4.9	122.3	83.5	351.0	4.3
			CONE A	6	EXA	.21	CONE C	4	EXC	.65			CONE B	4	EXB	.56

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
MUHLHAUS.		25	228	88			321	60					315	60		
	100.0	25-1-0	324.3	61.4	1.00S	.01T	234.0	89.6	.88D	.48T	192.8	19.5	323.3	61.4	95.4	20.1
			49.2	30.5	.26D	.97T	212.0	60.7	.15S	.99T	218.4	15.3	126.3	7.5	11.0	72.9
ROTATION ABOUT A,C,B AXIS																
	-63.0		49.2	30.5	.98D	.21T	149.7	83.9	.50S	.87T	174.2	32.3	63.1	29.7	300.7	43.2
	63.0		49.2	30.5	.74S	.67T	281.5	70.2	.40D	.92T	263.7	21.7	3.0	22.2	133.9	58.1
	-64.0		320.7	60.3	.83S	.56T	212.0	60.7	.82D	.57T	176.4	.2	266.7	45.8	86.2	44.2
	64.0		113.3	74.9	.86D	.51T	212.0	60.7	.95S	.30T	75.2	9.3	179.4	56.3	339.3	32.1
	-32.0		40.3	61.9	.15D	.99T	202.7	29.3	.27S	.96T	34.1	16.5	126.3	7.5	239.9	71.8
	28.8		120.0	7.6	.99D	.11T	216.2	89.2	.13S	.99T	223.5	43.7	126.3	7.5	28.7	45.3
			CONE A	88 EXA	.52		CONE C	88 EXC	.52				CONE B	127 EXB	.02	

COMBINATION OF WEBB AND MUHLHAUSER. IN CASES OF DISAGREEMENT OF DATA STATION IS DISCARDED.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
91.5	50-5-4	39.7	88.7	1.00S	.09N	129.8	85.0	1.00D	.02N	264.7	4.5	115.2	84.8	354.9	2.6
		39.7	88.7	1.00S	.09N	129.8	85.0	1.00D	.02N	264.7	4.5	115.2	84.8	354.9	2.6
ROTATION ABOUT A,C,B AXIS															
-1.4		39.7	88.7	.99S	.11N	129.9	83.6	1.00D	.02N	264.6	5.5	118.3	83.4	355.0	3.6
1.4		39.7	88.7	1.00S	.06N	129.8	86.4	1.00D	.02N	264.8	3.5	110.0	86.1	354.9	1.7
-0.1		39.7	88.6	1.00S	.09N	129.8	85.0	1.00D	.02N	264.7	4.5	114.1	84.8	354.9	2.5
5.6		220.2	85.7	1.00S	.09T	129.8	85.0	1.00D	.07T	264.7	.5	170.4	83.4	354.7	6.6
-0.7		40.4	88.6	1.00S	.09N	130.6	85.0	1.00D	.02N	265.8	4.5	115.2	84.8	356.0	2.5
3.2		36.5	89.0	1.00S	.09N	126.6	84.9	1.00D	.02N	261.2	4.3	115.2	84.8	351.4	2.9
		CONE A	5 EXA	.32		CONE C	3 EXC	.28				CONE B	4 EXB	.51	

178
* DECEMBER 4, 1950 H = 16.28.01 5S 153.5E DEPTH 100 KM. M = 7
RITSEMA, A.R. 1959 PUBL. DOM. OBS., 20, 341. DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		41-9	293	60			41	62					345	47		
	82.7	41-7-7	14.6	86.3	.98S	.22N	105.4	77.6	1.00D	.07N	239.4	11.4	88.3	77.0	330.6	6.1
			15.2	86.6	.97S	.23N	106.0	77.0	1.00D	.06N	239.7	11.6	90.6	76.5	331.1	6.7
ROTATION ABOUT A,C,B AXIS																
	-1.4		15.2	86.6	.97S	.25N	106.1	75.6	1.00D	.06N	239.6	12.6	92.1	75.2	331.4	7.7
	1.4		15.2	86.6	.98S	.20N	105.9	78.4	1.00D	.06N	239.8	10.6	88.9	77.9	330.9	5.8
	-1.2		14.9	85.4	.97S	.23N	106.0	77.0	1.00D	.08N	239.8	12.4	85.8	76.2	331.1	5.9
	1.0		15.4	87.5	.97S	.23N	106.0	77.0	1.00D	.04N	240.2	10.9	94.9	76.8	331.6	7.3
	-3.2		18.3	85.8	.98S	.22N	109.3	77.2	1.00D	.07N	243.2	12.0	90.6	76.5	334.5	6.0
	1.4		13.8	86.9	.97S	.23N	104.6	76.9	1.00D	.06N	238.3	11.5	90.6	76.5	329.7	7.0
			CONE A	3 EXA	.52		CONE C	4 EXC	.39				CONE B	2 EXB	.21	

179
* DECEMBER 10, 1950 H = 13.23.04 28.7S 179W DEPTH 300 KM.
MUHLHAUSER, S. 1957 TELLUS, 9, 104.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
MUHLHAUS.		25	263	45			355	88					267	45		
	100.0	25-1-0	209.2	88.1	.85S	.52N	300.4	58.7	1.00D	.04N	70.2	23.0	296.1	58.6	169.2	20.1
			145.2	59.7	.03S	1.00N	321.3	30.3	.06D	1.00N	330.7	75.2	234.2	1.7	143.8	14.7
ROTATION ABOUT A,C,B AXIS																
	-63.0		145.2	59.7	.87D	.48N	39.6	65.2	.83S	.55N	270.6	40.7	97.5	49.1	3.5	3.4
	31.0		145.2	59.7	.54S	.84N	273.0	43.6	.68D	.73N	16.3	60.3	217.1	28.1	122.3	8.9
	-51.2		89.3	70.2	.40D	.92N	321.3	30.3	.74S	.67N	237.1	58.2	7.7	22.0	107.0	21.8
	44.8		193.6	70.3	.40S	.92N	321.3	30.3	.75D	.67N	45.9	58.1	275.3	22.1	175.9	21.8
	-25.6		146.8	34.2	.05S	1.00N	323.1	55.9	.04D	1.00N	135.4	79.0	234.2	1.7	324.5	10.9
	28.8		144.3	88.5	.03S	1.00N	274.8	2.3	.76D	.65N	326.0	46.5	234.2	1.7	142.6	43.5
			CONE A	72 EXA	.43		CONE C	72 EXC	.42				CONE B	95 EXB	.02	

180
* DECEMBER 14, 1950 H = 01.52.53 19.7S 175.9W DEPTH 225 KM.
RITSEMA, A.R. 1960 GEOPHYS. JOUR., 3, 307.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		39	60	82			320	40					336	39		
	95.7	39-4-3	1.0	49.4	1.00S	.00T	270.8	89.8	.76D	.65T	233.7	27.2	.6	49.4	128.1	27.6
			353.3	14.3	1.00S	.04N	85.3	89.5	.25D	.97N	251.4	43.8	355.4	14.2	99.0	42.8
ROTATION ABOUT A,C,B AXIS																
	-1.8		353.3	14.3	1.00S	.01N	83.6	89.9	.25D	.97N	249.7	43.3	353.6	14.3	97.4	43.2
	1.8		353.3	14.3	1.00S	.07N	87.1	89.0	.25D	.97N	253.0	44.2	357.3	14.2	100.6	42.3
	-51.2		355.1	65.4	1.00S	.01N	85.3	89.5	.91D	.42N	222.9	17.5	356.4	65.4	127.5	16.7
	57.6		175.9	43.4	1.00D	.01N	85.3	89.5	.69S	.73N	300.0	31.4	174.8	43.4	51.0	30.5
	-0.7		356.1	14.2	1.00S	.01T	265.5	89.8	.25D	.97T	251.7	43.1	355.4	14.2	99.3	43.4
	.7		350.4	14.3	1.00S	.08N	85.1	88.8	.25D	.97N	251.0	44.4	355.4	14.2	98.7	42.1
			CONE A	12 EXA	.99		CONE C	2 EXC	.61				CONE B	20 EXB	.97	

181
COMPOSITE HINDU KUSH EARTHQUAKE - SHIROKOVA
SHIROKOVA, E.I. 1959 ISV. AKAD. NAUK. SSSR, SER. GEOFIZ., 12, 1739.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
SHIROKOVA			340	35			175	55								
	99.2	68-1	208.1	67.1	.51S	.86T	84.8	37.6	.77D	.64T	230.2	16.6	131.1	28.0	347.1	56.7
			194.1	70.3	.47S	.88T	71.6	33.7	.79D	.61T	214.7	20.5	114.2	26.1	338.1	55.8
ROTATION ABOUT A,C,B AXIS																
	-21.4		194.1	70.3	.11S	.99T	32.8	20.7	.30D	.95T	199.2	25.0	106.3	6.1	3.6	64.1
	18.2		194.1	70.3	.72S	.69T	86.2	49.2	.90D	.44T	225.6	12.9	123.4	42.7	328.6	44.4
	-3.2		191.1	71.8	.48S	.88T	71.6	33.7	.83D	.56T	212.7	21.6	110.9	27.3	335.6	54.0
	25.6		220.2	60.4	.29S	.96T	71.6	33.7	.45D	.89T	232.4	13.8	138.7	14.6	4.0	69.7
	-14.4		200.8	83.2	.44S	.90T	97.3	27.1	.97D	.26T	222.8	33.1	114.2	26.1	354.3	45.5
	.6		193.8	69.8	.47S	.88T	70.8	34.0	.79D	.62T	214.5	20.0	114.2	26.1	337.3	56.1
			CONE A	21 EXA	.48		CONE C	24 EXC	.62				CONE B	34 EXB	.27	

182
COMPOSITE HINDU KUSH EARTHQUAKE - RITSEMA
RITSEMA, A.R. 1955 IND. JOUR. MET. AND GEOPH., 6, 1,

AUTHOR	SCORE	OBSERVED	A AZ	A DIP	A COMPONENT STRIKE	A COMPONENT DIP	C AZ	C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		129	110	52			335	48								
	84.7	129-19-19	269.5	40.9	.34S	.94T	114.9	52.0	.28D	.96T	103.4	5.7	194.7	12.8	349.9	76.0
			269.5	40.9	.34S	.94T	114.9	52.0	.28D	.96T	103.4	5.7	194.7	12.8	349.9	76.0
ROTATION ABOUT A,C,B AXIS																
	-1.4		269.5	40.9	.32S	.95T	113.2	51.6	.26D	.96T	102.4	5.5	193.6	11.9	348.2	76.9
	1.8		269.5	40.9	.37S	.93T	117.1	52.5	.30D	.95T	104.6	6.0	196.1	13.9	351.9	74.8
	-22.4		242.4	52.1	.62S	.78T	114.9	52.0	.63D	.78T	268.6	.1	178.6	29.5	358.7	60.5
	51.2		343.5	49.7	.59D	.81T	114.9	52.0	.57S	.82T	138.8	1.3	48.2	26.8	231.3	63.2
	-1.0		270.0	41.8	.33S	.94T	115.3	51.0	.28D	.96T	103.6	4.7	194.7	12.8	353.8	76.3
	1.6		268.6	39.4	.35S	.94T	114.4	53.5	.28D	.96T	103.0	7.2	194.7	12.8	344.3	75.2
			CONE A		14 EXA	.96	CONE C		3 EXC	.19			CONE B		15 EXB	.96

183
* JANUARY 8, 1951 H = 18.32.28 35.6N 140.0E DEPTH 60 KM.
RITSEMA, A.R. 1961 GEOPHYS. JOUR., 5, 254.

AUTHOR	SCORE	OBSERVED	A AZ	A DIP	A COMPONENT STRIKE	A COMPONENT DIP	C AZ	C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		45-6	135	62			315	28					45	0		
	84.9	46-6-6	131.0	64.7	.05S	1.00N	303.8	25.5	.11D	.99N	317.5	70.1	219.7	2.8	128.7	19.6
			119.4	58.8	.23S	.97N	275.1	33.6	.35D	.94N	332.3	72.8	202.5	11.2	109.9	12.9
ROTATION ABOUT A,C,B AXIS																
	-27.8		119.4	58.8	.25D	.97N	326.2	34.2	.38S	.92N	263.8	72.1	37.1	12.5	129.9	12.6
	37.4		119.4	58.8	.77S	.64N	232.5	57.1	.79D	.62N	355.1	48.7	177.2	41.3	86.3	1.0
	-12.8		104.5	56.7	.09S	1.00N	275.1	33.6	.14D	.99N	301.7	77.6	191.6	4.3	100.7	11.6
	8.0		128.3	60.9	.30S	.95N	275.1	33.6	.48D	.88N	344.9	68.8	209.6	15.4	115.6	14.2
	-4.8		120.8	54.1	.24S	.97N	277.9	38.1	.32D	.95N	345.6	76.1	202.5	11.2	110.9	8.1
	12.8		116.4	71.3	.21S	.98N	263.1	22.1	.52D	.85N	314.3	61.9	202.5	11.2	107.1	25.4
			CONE A		19 EXA	.15	CONE C		34 EXC	.73			CONE B		37 EXB	.68

	SCORE	OBSERVED	A AZ	A DIP	A COMPONENT STRIKE	A COMPONENT DIP	C AZ	C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	84.0	46-7-7	123.7	54.5	.86S	.51N	232.8	65.4	.77D	.64N	2.7	44.8	169.4	44.4	266.0	6.7
			110.3	54.8	.78S	.63N	225.1	59.2	.74D	.67N	349.9	50.3	164.6	39.6	256.8	2.6
ROTATION ABOUT A,C,B AXIS																
	-10.2		110.3	54.8	.66S	.75N	233.8	52.0	.68D	.73N	350.1	57.6	173.6	32.4	82.6	1.6
	18.2		110.3	54.8	.94S	.35N	212.5	73.3	.80D	.60N	346.9	37.6	143.3	49.9	247.7	11.8
	-12.8		99.0	45.3	.69S	.72N	225.1	59.2	.57D	.82N	352.5	59.3	154.8	29.5	249.2	7.8
	16.0		121.0	67.7	.83S	.55N	225.1	59.2	.90D	.44N	350.3	39.0	181.2	50.5	84.7	5.4
	-7.2		117.5	50.5	.83S	.56N	231.0	64.2	.71D	.71N	1.0	49.2	164.6	39.6	261.4	8.2
	7.2		103.7	59.4	.74S	.67N	218.6	54.6	.78D	.62N	338.8	50.3	164.6	39.6	72.2	2.8
			CONE A		20 EXA	.50	CONE C		20 EXC	.49			CONE B		29 EXB	.01

184
* FEBRUARY 2, 1951 H = 21.02.56 37.1N 141.8E DEPTH NORMAL
RITSEMA, A.R. 1961 GEOPHYS. JOUR., 5, 254.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		22-3	324	35			109	60					29	16		
	89.1	23-2-2	113.1	76.7	.08S	1.00T	312.0	14.0	.32D	.95T	116.8	31.6	24.1	4.4	287.0	58.1
			94.0	66.9	.35S	.94T	317.8	30.6	.64D	.77T	109.3	19.3	12.4	18.9	241.5	62.4
ROTATION ABOUT A,C,B AXIS																
	-5.4		94.0	66.9	.26S	.96T	308.8	27.4	.53D	.85T	105.4	20.5	10.1	14.0	248.1	64.8
	1.8		94.0	66.9	.38S	.92T	320.5	31.8	.67D	.74T	110.6	18.9	13.2	20.6	239.5	61.4
	-9.6		84.4	70.6	.41S	.91T	317.8	30.6	.76D	.65T	102.6	21.9	2.9	22.7	231.8	57.5
	32.0		129.0	59.7	.08S	1.00T	317.8	30.6	.13D	.99T	132.3	14.6	41.3	3.9	296.7	74.9
	-2.0		94.7	68.8	.35S	.94T	320.5	29.1	.67D	.74T	110.0	21.2	12.4	18.9	244.4	60.9
	3.2		92.7	63.9	.36S	.93T	314.1	33.1	.59D	.80T	108.2	16.3	12.4	18.9	236.3	64.6

CONE A 15 EXA .88 CONE C 6 EXC .28 CONE B 17 EXB .83

185
* FEBRUARY 7, 1951 H = 03.38.48 31.2N 140.4E DEPTH 100 KM.
RITSEMA, A.R. 1961 GEOPHYS. JOUR., 5, 254.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		33-2	-	-			48	86					-	-		
	97.2	34-1-1	48.3	84.0	.13S	.99N	177.7	9.4	.77D	.64N	236.3	50.5	137.5	7.2	41.7	38.6
			252.6	76.6	.57S	.82T	144.1	36.9	.92D	.39T	278.6	23.7	171.7	33.6	36.6	46.9
ROTATION ABOUT A,C,B AXIS																
	-43.8		252.6	76.6	.16D	.99T	37.9	16.2	.55S	.83T	245.1	31.0	340.5	8.9	84.7	57.5
	56.6		252.6	76.6	1.00S	.02N	342.9	88.8	.97D	.23N	118.7	10.3	258.1	76.5	27.1	8.6
	-38.4		41.4	80.7	.59S	.81N	144.1	36.9	.96D	.27N	255.8	42.8	124.8	35.3	13.8	26.8
	76.8		335.9	53.7	.12D	.99T	144.1	36.9	.17S	.99T	330.9	8.4	61.7	5.7	185.3	79.8
	-22.4		85.2	84.8	.56S	.83N	182.9	34.1	.99D	.16N	296.3	40.5	171.7	33.6	57.7	31.4
	32.0		230.0	51.6	.71S	.71T	108.1	56.3	.67D	.75T	79.9	2.7	171.7	33.6	345.9	56.3

CONE A 79 EXA .53 CONE C 74 EXC .46 CONE B 108 EXB .13

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
96.7	34-1-1	33.1	23.7	.86S	.51T	274.7	78.2	.35D	.94T	257.9	30.2	.3	20.3	119.0	52.4
		41.7	31.6	.87S	.49T	286.2	75.2	.47D	.88T	264.6	24.9	8.4	27.2	138.7	51.5
ROTATION ABOUT A,C,B AXIS															
-21.4		41.7	31.6	.63S	.77T	265.6	66.1	.36D	.93T	250.0	18.4	346.7	19.4	119.8	62.7
6.2		41.7	31.6	.92S	.39T	291.8	78.2	.49D	.87T	268.8	27.2	15.2	28.8	143.4	48.3
-8.0		35.5	38.7	.91S	.41T	286.2	75.2	.59D	.81T	259.5	21.8	5.6	34.8	144.0	47.1
4.8		46.8	27.5	.83S	.55T	286.2	75.2	.40D	.92T	267.9	26.5	9.9	22.6	134.7	53.9
-0.6		42.7	31.9	.87S	.50T	286.5	74.6	.47D	.88T	264.9	24.4	8.4	27.2	139.5	52.0
4.0		34.7	29.8	.92S	.39T	284.3	78.7	.47D	.88T	262.3	28.4	8.4	27.2	134.3	48.8

CONE A 8 EXA .64 CONE C 11 EXC .83 CONE B 19 EXB .54

186
* FEBRUARY 10, 1951 H = 08.38.14 43.9N 146.2E DEPTH 100 KM.
RITSEMA, A.R. 1961 GEOPHYS. JOUR., 5, 254.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		21-1	-	-			270	84					-	-		
	96.4	21-1-1	108.2	81.8	.88S	.48T	13.7	61.7	.99D	.16T	147.8	13.6	32.8	60.3	244.5	25.9
			262.5	84.1	.05D	1.00N	128.1	6.6	.43S	.90N	99.4	50.8	192.8	2.8	285.1	39.0
ROTATION ABOUT A,C,B AXIS																
	-56.6		282.5	84.1	.86D	.51N	189.0	59.6	.99S	.12N	60.1	25.5	202.4	58.9	322.0	16.6
	56.6		282.5	84.1	.81S	.59N	16.8	54.0	.99D	.13N	143.3	29.3	4.5	53.3	245.1	20.1
	-28.8		253.7	86.2	.09D	1.00N	128.1	6.6	.81S	.58N	68.0	48.5	164.0	5.3	258.6	41.0
	51.2		334.0	84.1	.05S	1.00N	128.1	6.6	.43D	.90N	157.1	50.8	63.7	2.8	331.4	39.0
	-8.0		282.1	76.1	.05D	1.00N	114.0	14.2	.20S	.98N	98.2	58.8	192.8	2.8	284.5	31.0
	16.0		103.3	80.0	.05D	1.00T	267.3	10.4	.27S	.96T	100.8	34.9	192.8	2.8	286.8	54.9
			CONE A 44 EXA .70				CONE C 52 EXC .79						CONE B 95 EXB .29			

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	93.2	21-1-1	269.9	87.8	.83S	.56N	1.3	56.0	1.00D	.05N	130.1	25.0	356.6	55.9	230.8	21.6
			279.3	82.9	.06D	1.00N	125.6	7.9	.44S	.90N	95.2	52.0	189.7	3.5	282.4	37.8
ROTATION ABOUT A,C,B AXIS																
	-56.6		279.3	82.9	.87D	.50N	185.2	60.4	.99S	.14N	56.3	26.0	201.4	59.3	318.7	15.2
	63.0		279.3	82.9	.86S	.51N	13.5	59.8	.99D	.14N	142.1	26.3	357.4	58.8	240.0	15.6
	-22.4		256.8	84.8	.10D	.99N	125.6	7.9	.75S	.66N	70.4	49.9	167.4	5.9	262.3	39.5
	51.2		330.9	82.8	.06S	1.00N	125.6	7.9	.42D	.91N	154.7	52.1	60.5	3.3	327.9	37.7
	-6.4		278.9	76.5	.06D	1.00N	113.9	13.9	.25S	.97N	94.0	58.3	189.7	3.5	281.8	31.4
	14.4		100.2	82.7	.06D	1.00T	254.4	8.1	.43S	.90T	97.0	37.6	189.7	3.5	284.2	52.2
			CONE A 39 EXA .72				CONE C 50 EXC .83						CONE B 94 EXB .38			

187
FEBRUARY 13, 1951 H = 11.55.50 15S 175W DEPTH 200 KM. M = 6.8
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 171.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		56-9	328	86			238	88					296	86		
	83.3	57-11-8	325.8	86.6	1.00S	.04T	235.6	87.9	1.00D	.06T	190.7	.9	294.0	86.0	100.7	3.9
			327.5	86.2	1.00S	.04T	237.3	87.6	1.00D	.07T	192.7	1.0	295.4	85.5	102.6	4.4
ROTATION ABOUT A,C,B AXIS																
	-3.8		327.5	86.2	.99S	.11T	237.1	83.8	1.00D	.07T	12.3	1.7	268.9	82.8	102.5	7.0
	3.0		327.5	86.2	1.00S	.01N	57.5	89.4	1.00D	.07N	193.0	3.1	336.9	86.2	102.9	2.2
	-0.9		327.4	87.1	1.00S	.04T	237.3	87.6	1.00D	.05T	192.7	.3	288.1	86.3	102.7	3.7
	1.0		327.5	85.2	1.00S	.04T	237.3	87.6	1.00D	.08T	192.8	1.7	301.1	84.7	102.6	5.0
	-0.4		327.9	86.2	1.00S	.04T	237.7	87.6	1.00D	.07T	192.7	1.0	295.4	85.5	102.6	4.4
	1.8		325.7	86.1	1.00S	.04T	235.5	87.8	1.00D	.07T	189.9	1.2	295.4	85.5	99.8	4.3
			CONE A 2 EXA .14				CONE C 4 EXC .68						CONE B 4 EXB .72			

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* FEBRUARY 17, 1951 H = 21.07.09 7S 146E DEPTH 225 KM. M = 7.2

RITSEMA, A.R. 1959 PUBL. DOM. OBS., 20, 341. DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		44-8	338	35			236	82					320	34		
	81.5	43-7-7	270.4	83.9	.96S	.29N	2.2	73.5	.99D	.11N	135.2	16.1	340.8	72.3	227.3	7.2
			270.4	83.9	.96S	.29N	2.2	73.5	.99D	.11N	135.2	16.1	340.8	72.3	227.3	7.2
ROTATION ABOUT A,C,B AXIS																
	0		270.4	83.9	.96S	.29N	2.2	73.5	.99D	.11N	135.2	16.1	340.8	72.3	227.3	7.2
	.6		270.4	83.9	.96S	.28N	2.2	74.1	.99D	.11N	135.3	15.6	340.1	72.9	227.2	6.8
	-1.0		270.1	82.9	.96S	.29N	2.2	73.5	.99D	.13N	135.3	16.8	337.8	71.9	227.3	6.5
	.9		270.7	84.7	.96S	.29N	2.2	73.5	1.00D	.10N	135.5	15.5	343.6	72.6	227.7	7.8
	-1.6		272.0	83.4	.96S	.28N	3.9	73.6	.99D	.12N	136.9	16.3	340.8	72.3	228.9	6.8
	.5		269.9	84.0	.96S	.29N	1.7	73.4	.99D	.11N	134.8	16.0	340.8	72.3	226.9	7.4
			CONE A		2 EXA	.10	CONE C		1 EXC	.71			CONE B		1 EXB	.68

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
79.4	43-8-8	235.8	83.2	.77S	.64N	331.5	50.6	.99D	.15N	95.8	32.2	317.7	49.8	200.1	21.4
		232.7	69.6	.07D	1.00N	64.2	20.8	.19S	.98N	45.8	65.2	144.1	3.8	235.8	24.5
ROTATION ABOUT A,C,B AXIS															
-43.8		232.7	69.6	.74D	.67N	125.2	51.0	.89S	.45N	6.2	43.7	163.7	44.0	265.0	11.4
50.2		232.7	69.6	.72S	.69N	341.2	49.5	.89D	.46N	98.8	44.9	302.8	42.5	201.3	12.3
-14.4		217.5	71.3	.16D	.99N	64.2	20.8	.43S	.91N	23.3	62.6	130.5	8.7	224.7	25.7
38.4		273.4	71.7	.17S	.98N	64.2	20.8	.46D	.89N	108.7	62.0	.3	9.5	265.6	26.0
-4.0		232.4	65.6	.07D	1.00N	62.4	24.7	.16S	.99N	44.1	69.1	144.1	3.8	235.5	20.5
16.0		233.8	85.6	.07D	1.00N	94.6	5.8	.65S	.76N	49.7	49.3	144.1	3.8	237.4	40.5
		CONE A		32 EXA	.62	CONE C		43 EXC	.79			CONE B		70 EXB	.44

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
76.9	43-8-8	161.0	45.7	.92S	.40N	268.0	73.3	.68D	.73N	45.6	44.2	193.1	40.9	298.4	16.9
		92.4	27.2	.34S	.94N	250.0	64.6	.17D	.98N	50.3	68.8	164.4	9.0	257.5	19.0
ROTATION ABOUT A,C,B AXIS															
-37.4		92.4	27.2	.30D	.95N	291.7	64.2	.15S	.99N	129.5	69.6	17.9	7.8	285.2	18.7
31.0		92.4	27.2	.78S	.63N	218.1	73.3	.37D	.93N	9.8	56.3	134.6	20.8	234.9	25.2
-51.2		6.1	47.2	.81D	.58N	250.0	64.6	.66S	.75N	118.6	51.6	319.4	36.5	221.7	10.2
32.0		134.6	47.8	.82S	.58N	250.0	64.6	.67D	.74N	21.1	51.1	181.1	37.2	278.7	9.9
-19.2		128.2	11.1	.81S	.58N	253.3	83.5	.16D	.99N	63.2	50.7	164.4	9.0	261.5	37.9
11.2		86.1	37.9	.26S	.97N	247.6	53.6	.19D	.98N	26.5	77.9	164.4	9.0	255.7	8.0
		CONE A		50 EXA	.63	CONE C		46 EXC	.56			CONE B		75 EXB	.18

189
* MARCH 5, 1951 H = 20.11.48 28.2N 128.7E DEPTH 225 KM.
RITSEMA, A.R. 1961 GEOPHYS. JOUR., 5, 254.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		58-7	210	82			115	60					133	59		
	87.6	56-6-5	127.5	81.5	.81S	.58N	223.6	54.7	.98D	.18N	349.5	30.9	205.9	53.4	90.5	17.7
			121.2	68.5	.74S	.67N	229.3	51.6	.88D	.47N	348.5	44.2	188.9	43.9	88.8	10.4
ROTATION ABOUT A,C,B AXIS																
	-24.6		121.2	68.5	.40S	.92N	251.2	31.5	.71D	.70N	335.1	59.6	202.1	21.8	103.7	20.1
	21.4		121.2	68.5	.94S	.35N	218.9	71.0	.92D	.39N	350.5	29.2	106.6	60.7	259.6	1.7
	-2.4		119.4	66.7	.74S	.68N	229.3	51.6	.86D	.50N	347.9	45.9	186.1	42.6	87.6	9.2
	14.4		130.9	79.4	.78S	.63N	229.3	51.6	.97D	.23N	352.7	34.6	208.2	49.7	95.7	18.0
	-5.6		125.8	64.8	.77S	.64N	235.4	54.4	.85D	.52N	356.3	45.4	188.9	43.9	92.8	6.3
	.1		121.1	68.5	.74S	.67N	229.2	51.6	.88D	.47N	348.5	44.2	188.9	43.9	88.8	10.4
			CONE A	10 EXA	.66		CONE C	16 EXC	.88				CONE B	28 EXB	.63	

190
MARCH 10, 1951 H = 21.57.29 15.2S 167.5E DEPTH 150 KM. M = 7.2
WEBB, J.P. 1954 DOCTORAL THESIS, ST. LOUIS UNIVERSITY.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
WEBB			42	81			311	84					8	79		
	97.7	44-3-1	313.0	83.9	.95S	.33N	45.1	71.1	.99D	.11N	177.6	17.7	25.9	70.1	270.5	8.8
			316.5	83.6	.95S	.32N	48.7	71.6	.99D	.12N	181.2	17.6	28.1	70.4	273.9	8.3
ROTATION ABOUT A,C,B AXIS																
	-1.8		316.5	83.6	.94S	.35N	48.9	69.8	.99D	.12N	180.9	18.9	29.7	68.7	274.2	9.5
	10.2		316.5	83.6	.99S	.15N	47.5	81.7	.99D	.11N	181.8	10.4	9.2	79.5	272.0	1.3
	-0.4		316.4	83.2	.95S	.32N	48.7	71.6	.99D	.12N	181.2	17.9	27.0	70.3	273.8	8.0
	1.2		316.9	84.7	.95S	.32N	48.7	71.6	1.00D	.10N	181.4	16.8	31.5	70.8	274.2	9.1
	-0.9		317.4	83.3	.95S	.32N	49.6	71.7	.99D	.12N	182.2	17.8	28.1	70.4	274.8	8.0
	4.0		312.7	84.9	.95S	.32N	44.5	71.1	1.00D	.09N	177.0	16.9	28.1	70.4	269.9	9.6
			CONE A	3 EXA	.67		CONE C	8 EXC	.59				CONE B	4 EXB	.87	

191
MARCH 23, 1951 H = 21.38.54 31S 180 DEPTH 300 KM. M = 7.1
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 171.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		62-14	211	66			303	86					221	65		
	79.9	61-12-10	28.8	89.3	1.00S	.04T	298.7	87.5	1.00D	.01T	73.7	1.3	314.4	87.4	163.8	2.3
			29.3	89.2	1.00S	.05T	299.2	87.2	1.00D	.01T	73.7	1.4	314.7	87.1	163.8	2.5
ROTATION ABOUT A,C,B AXIS																
	-0.4		29.3	89.2	1.00S	.06T	299.2	86.8	1.00D	.01T	73.8	1.7	312.9	86.7	163.9	2.8
	1.0		29.3	89.2	1.00S	.03T	299.2	88.2	1.00D	.01T	73.5	.7	322.5	88.0	163.5	1.9
	-3.2		209.1	87.6	1.00S	.05N	299.2	87.2	1.00D	.04N	74.0	3.7	258.4	86.3	164.0	.3
	.8		29.3	88.4	1.00S	.05T	299.2	87.2	1.00D	.03T	73.8	.8	328.6	86.8	163.9	3.1
	-5.6		34.9	89.5	1.00S	.05T	304.8	87.1	1.00D	.01T	79.9	1.7	314.7	87.1	169.9	2.4
	1.4		27.9	89.2	1.00S	.05T	297.8	87.2	1.00D	.01T	73.7	1.4	314.7	87.1	163.8	2.5
			CONE A	5 EXA	.43		CONE C	3 EXC	.80				CONE B	2 EXB	.65	

192
APRIL 16, 1951 H = 19.52.56 31.3N 138.0E DEPTH 470 KM. M = 7
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA		32	224	70			84	26					138	16		
	100.0	32-0	211.6	71.1	.33S	.95T	78.5	26.6	.69D	.72T	226.2	23.8	128.0	18.0	4.6	59.5
			211.5	71.0	.32S	.95T	77.9	26.6	.69D	.73T	225.9	23.7	127.8	17.8	4.5	59.7
ROTATION ABOUT A,C,B AXIS																
	-3.0		211.5	71.0	.27S	.96T	72.7	24.6	.62D	.78T	223.8	24.4	126.8	15.0	8.1	60.8
	10.2		211.5	71.0	.49S	.87T	91.2	34.3	.82D	.58T	233.1	20.7	131.8	27.4	355.2	54.5
	-0.1		211.4	71.0	.32S	.95T	77.9	26.6	.69D	.73T	225.9	23.7	127.7	17.9	4.3	59.6
	16.0		228.0	66.6	.22S	.97T	77.9	26.6	.46D	.89T	237.7	20.6	143.2	11.8	25.2	66.0
	-0.2		211.5	71.2	.32S	.95T	78.2	26.4	.69D	.73T	226.0	23.9	127.8	17.8	4.8	59.5
	4.0		210.1	67.2	.33S	.94T	72.4	29.6	.62D	.78T	224.5	19.9	127.8	17.8	359.2	62.8
			CONE A		8 EXA	.74	CONE C		7 EXC	.68			CONE B		15 EXB	.18

193
MAY 4, 1951 H = 11.53.05 44.4N 142.2E DEPTH 240 KM.
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.
RITSEMA, A.R. 1961 GEOPHYS. JOUR., 5, 254.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA		52	260	37			32	65					314	25		
	89.3	52-6	65.7	89.1	.92S	.40N	156.1	66.3	1.00D	.02N	288.4	17.2	153.7	66.3	23.4	15.8
			66.2	88.1	.91S	.42N	157.1	65.1	1.00D	.04N	288.8	18.7	152.1	65.1	24.3	15.9
ROTATION ABOUT A,C,B AXIS																
	-27.8		66.2	88.1	.61S	.80N	158.7	37.4	1.00D	.05N	278.2	35.8	154.8	37.3	35.7	32.6
	27.8		66.2	88.1	1.00S	.05T	336.1	87.1	1.00D	.03T	110.8	.7	9.1	86.5	200.9	3.4
	-16.0		59.3	73.6	.90S	.44N	157.1	65.1	.95D	.31N	286.4	29.8	119.3	59.6	19.6	5.6
	4.8		248.2	87.5	.91S	.42T	157.1	65.1	1.00D	.05T	289.9	15.5	163.5	65.0	25.4	19.1
	-8.0		73.5	84.8	.91S	.41N	165.9	65.7	.99D	.10N	296.9	20.8	152.1	65.1	32.0	13.1
	6.4		240.4	89.2	.91S	.42T	150.0	65.1	1.00D	.02T	282.4	16.7	152.1	65.1	18.0	17.9
			CONE A		17 EXA	.31	CONE C		28 EXC	.14			CONE B		34 EXB	.63

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		44-5	179	45			84	85					170	45		
	87.5	47-7-6	66.2	83.0	.89S	.45N	159.8	63.2	.99D	.14N	289.8	23.9	142.8	62.2	25.9	13.4
			66.4	82.5	.75S	.66N	162.8	49.4	.99D	.17N	286.2	33.5	147.8	48.5	31.3	21.5
ROTATION ABOUT A,C,B AXIS																
	-21.4		66.4	82.5	.46S	.89N	170.4	28.5	.96D	.27N	274.2	45.5	152.4	27.4	43.6	31.9
	15.0		66.4	82.5	.90S	.44N	160.0	64.3	.99D	.15N	290.2	23.6	141.3	63.0	25.7	12.4
	-22.4		50.5	66.0	.70S	.71N	162.8	49.4	.85D	.53N	278.8	48.4	118.6	39.9	20.2	9.9
	12.8		254.7	87.8	.76S	.65T	162.8	49.4	1.00D	.05T	291.3	25.6	167.3	49.4	36.8	29.1
	-0.1		66.4	82.4	.75S	.66N	163.0	49.5	.98D	.17N	286.3	33.5	147.8	48.5	31.4	21.4
	9.6		59.1	88.8	.75S	.66N	150.2	48.5	1.00D	.03N	276.4	28.9	147.8	48.5	22.7	27.0
			CONE A		18 EXA	.72	CONE C		19 EXC	.73			CONE B		36 EXB	.03

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	85.8	47-7-6	271.3	85.9	1.00S	.06N	1.6	86.7	1.00D	.07N	136.5	5.3	310.3	84.7	46.4	.6
			262.5	86.7	1.00S	.06N	352.7	86.3	1.00D	.06N	127.3	5.0	310.6	85.0	217.3	.3
ROTATION ABOUT A,C,B AXIS																
	-7.0		262.5	86.7	.98S	.19N	353.1	79.3	1.00D	.06N	127.2	9.9	335.4	78.8	218.1	5.2
	27.8		262.5	86.7	.91S	.41T	171.0	66.0	1.00D	.06T	304.3	14.3	179.9	65.7	39.4	19.2
	-6.4		262.1	80.3	1.00S	.07N	352.7	86.3	.99D	.17N	127.7	9.5	283.3	79.6	37.0	4.2
	4.8		82.8	88.5	1.00S	.06T	352.7	86.3	1.00D	.03T	127.1	1.6	14.2	86.0	217.2	3.7
	-14.4		276.9	85.8	1.00S	.05N	7.1	87.2	1.00D	.07N	141.9	4.9	310.6	85.0	51.9	1.0
	1.4		261.1	86.8	1.00S	.07N	351.3	86.2	1.00D	.06N	125.7	5.0	310.6	85.0	215.7	.4
			CONE A		13 EXA	.29	CONE C		23 EXC	.55			CONE B		20 EXB	.68

COMBINATION OF ICHIKAWA AND RITSEMA. IN CASES OF DISAGREEMENT OF DATA STATION IS DISCARDED.

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	84.3	73-13-11	68.9	89.2	.90S	.44N	159.3	63.6	1.00D	.02N	290.9	18.9	157.3	63.6	27.2	17.7
			71.3	82.7	.77S	.64N	167.4	50.5	.99D	.17N	291.3	32.7	152.6	49.5	35.7	21.1
ROTATION ABOUT A,C,B AXIS																
	-24.6		71.3	82.7	.43S	.90N	176.3	26.5	.96D	.29N	277.4	46.3	157.8	25.3	50.0	32.9
	18.2		71.3	82.7	.93S	.37N	164.2	68.5	.99D	.14N	295.7	20.5	143.5	67.1	29.4	9.8
	-0.1		71.2	82.6	.77S	.64N	167.4	50.5	.99D	.17N	291.4	32.8	152.5	49.5	35.7	21.0
	19.2		263.6	82.6	.77S	.64T	167.4	50.5	.99D	.17T	299.2	21.0	182.4	49.5	43.5	32.8
	0		71.3	82.7	.77S	.64N	167.4	50.5	.99D	.17N	291.3	32.7	152.6	49.5	35.7	21.1
	9.6		64.0	88.9	.76S	.65N	154.9	49.6	1.00D	.03N	281.5	28.2	152.6	49.5	27.0	26.5
			CONE A		14 EXA	.50	CONE C		20 EXC	.78			CONE B		29 EXB	.55

194
* MAY 15, 1951 H = 22.54.26 45.5N 9.6E DEPTH SHALLOW
RITSEMA, A.R. 1961 GEOPHYS. JOUR., 5, 254.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		23-3	285	90			-	0					15	0		
	85.5	23-3-3	234.5	78.2	.96S	.29N	328.0	73.5	.98D	.21N	100.6	20.2	290.5	69.5	191.8	3.2
			236.5	82.2	.98S	.22N	328.2	77.6	.99D	.14N	101.9	14.3	295.0	75.3	192.7	3.2
ROTATION ABOUT A,C,B AXIS																
	-7.0		236.5	82.2	.94S	.33N	329.2	70.7	.99D	.14N	101.4	19.3	305.5	69.0	194.2	7.9
	50.2		236.5	82.2	.79S	.61T	140.5	52.7	.99D	.17T	272.8	19.4	156.4	51.6	15.4	31.6
	-14.4		233.1	68.2	.97S	.23N	328.2	77.6	.92D	.38N	102.2	24.5	265.7	64.6	9.3	6.4
	6.4		237.8	88.4	.98S	.21N	328.2	77.6	1.00D	.03N	102.5	9.9	320.8	77.5	193.9	7.6
	-11.2		247.6	79.9	.98S	.19N	339.5	79.4	.98D	.18N	113.6	14.7	295.0	75.3	203.7	.3
	1.0		235.5	82.4	.98S	.22N	327.2	77.5	.99D	.14N	101.0	14.3	295.0	75.3	191.9	3.4
			CONE A		16 EXA	.41	CONE C		26 EXC	.79			CONE B		34 EXB	.64

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
84.0	23-3-3	60.8	83.7	.90S	.43T	327.8	64.6	.99D	.12T	101.7	13.1	343.7	63.7	197.2	22.4
		59.2	85.1	.92S	.39T	327.1	67.3	1.00D	.09T	101.1	12.3	340.7	66.7	195.5	19.5
ROTATION ABOUT A,C,B AXIS															
-15.0		59.2	85.1	.79S	.61T	325.3	52.3	.99D	.11T	96.2	21.8	335.5	51.9	199.3	29.5
1.8		59.2	85.1	.93S	.36T	327.3	69.1	1.00D	.09T	101.5	11.1	341.8	68.4	195.2	18.3
-4.0		57.6	88.7	.92S	.39T	327.1	67.3	1.00D	.02T	99.9	14.9	330.6	67.2	194.6	16.8
16.0		65.7	70.4	.91S	.41T	327.1	67.3	.93D	.36T	105.8	2.0	12.4	59.2	197.1	30.7
-8.0		66.5	88.2	.92S	.39T	335.8	66.7	1.00D	.03T	108.8	14.9	340.7	66.7	203.6	17.5
1.0		58.2	84.7	.92S	.39T	326.0	67.4	.99D	.10T	100.1	11.9	340.7	66.7	194.4	19.7
		CONE A		13 EXA	.55	CONE C		12 EXC	.46			CONE B		18 EXB	.16

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
84.3	23-3-3	235.9	59.6	1.00S	.09T	143.4	85.7	.86D	.51T	103.6	17.8	226.1	59.2	5.3	24.3
		240.7	49.9	.93S	.36T	136.8	74.2	.74D	.67T	103.8	15.3	210.0	45.6	.4	40.4
ROTATION ABOUT A,C,B AXIS															
-37.4		240.7	49.9	.53S	.85T	104.5	49.4	.53D	.85T	262.5	.3	172.4	23.7	353.1	66.3
31.0		240.7	49.9	.98S	.18N	337.2	82.3	.76D	.65N	117.1	33.4	256.1	48.9	12.4	21.1
-16.0		234.4	65.0	.95S	.30T	136.8	74.2	.90D	.44T	97.1	6.1	197.7	59.8	3.6	29.4
19.2		253.3	32.5	.86S	.51T	136.8	74.2	.48D	.88T	115.0	23.8	218.3	27.6	350.4	52.1
-8.0		250.0	53.1	.89S	.45T	143.2	68.9	.77D	.64T	109.9	9.8	210.0	45.6	10.7	42.7
12.8		224.1	46.5	.99S	.17T	127.3	82.9	.72D	.69T	93.6	23.5	210.0	45.6	345.8	35.1
		CONE A		27 EXA	.41	CONE C		38 EXC	.70			CONE B		49 EXB	.49

195
* MAY 31, 1951 H = 20.56.01 18.6N 121.2E DEPTH 100 KM.
RITSEMA, A.R. 1961 GEOPHYS. JOUR., 5, 254.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		33-5	93	57			356	79					70	54		
	86.5	35-5-5	56.2	44.3	.99S	.12T	321.1	85.1	.70D	.72T	287.8	26.5	46.4	43.9	177.8	34.5
			36.1	27.2	1.00S	.01N	126.5	89.8	.46D	.89N	282.2	38.8	36.6	27.2	151.3	39.2
ROTATION ABOUT A,C,B AXIS																
-1.4			36.1	27.2	1.00S	.02T	305.2	89.6	.46D	.89T	280.8	38.6	35.0	27.2	149.9	39.3
2.2			36.1	27.2	1.00S	.05N	128.4	88.8	.46D	.89N	283.4	40.1	39.0	27.2	152.6	37.9
-38.4			36.4	65.6	1.00S	0N	126.5	89.8	.91D	.41N	265.1	16.8	36.9	65.6	169.7	17.1
.2			36.1	27.0	1.00S	.01N	126.5	89.8	.45D	.89N	282.4	38.9	36.6	27.0	151.2	39.2
-0.5			37.2	27.2	1.00S	.01T	306.7	89.8	.46D	.89T	282.2	38.8	36.6	27.2	151.3	39.2
1.2			33.4	27.2	1.00S	.05N	125.9	88.7	.46D	.89N	280.9	40.1	36.6	27.2	150.1	37.8
			CONE A		8 EXA	.96	CONE C		2 EXC	.53			CONE B		12 EXB	.91

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	COMPONENT STRIKE	COMPONENT DIP	PLANE C AZ	PLANE C DIP	COMPONENT STRIKE	COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	83.5	35-6-6	51.7	71.2	1.00S	.04N	142.5	87.8	.95D	.32N	278.7	14.7	58.9	71.1	185.6	11.6
			51.7	71.2	1.00S	.04N	142.5	87.8	.95D	.32N	278.7	14.7	58.9	71.1	185.6	11.6
ROTATION ABOUT A,C,B AXIS																
	-27.8		51.7	71.2	.86S	.50N	152.3	61.6	.93D	.37N	279.5	34.3	112.7	55.0	13.8	6.2
	3.8		51.7	71.2	1.00S	.03T	321.2	88.6	.95D	.32T	278.0	12.1	47.1	71.2	184.9	14.1
	0		51.7	71.2	1.00S	.04N	142.5	87.8	.95D	.32N	278.7	14.7	58.9	71.1	185.6	11.6
	8.0		52.1	79.2	1.00S	.04N	142.5	87.8	.98D	.19N	277.8	9.2	63.9	79.0	186.8	6.0
	-0.6		52.4	71.2	1.00S	.04N	143.0	88.0	.95D	.32N	279.3	14.6	58.9	71.1	186.2	11.7
	12.8		38.3	72.2	.99S	.11N	130.3	83.8	.95D	.31N	265.7	17.0	58.9	71.1	173.2	8.0
			CONE A		10 EXA	.40	CONE C		21 EXC	.58			CONE B		16 EXB	.75

196
* JUNE 5, 1951 H = 16.57.45 29.8N 131.2E DEPTH 60 KM.
RITSEMA, A.R. 1961 GEOPHYS. JOUR., 5, 254.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	COMPONENT STRIKE	COMPONENT DIP	PLANE C AZ	PLANE C DIP	COMPONENT STRIKE	COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		50-8	3	89			273	82					281	82		
	88.6	50-8-7	358.9	87.8	.99S	.16T	268.6	81.1	1.00D	.04T	43.4	4.7	282.7	80.8	134.1	7.9
			3.1	88.9	1.00S	.10T	273.0	84.5	1.00D	.02T	47.6	3.1	284.1	84.4	137.9	4.7
ROTATION ABOUT A,C,B AXIS																
	-6.2		3.1	88.9	.98S	.20T	272.9	78.3	1.00D	.02T	47.3	7.5	278.3	78.2	138.5	9.1
	.4		3.1	88.9	1.00S	.09T	273.0	84.9	1.00D	.02T	47.6	2.8	284.9	84.8	137.8	4.4
	-2.0		182.9	89.1	1.00S	.10N	273.0	84.5	1.00D	.02N	47.7	4.5	263.5	84.4	137.9	3.3
	9.6		4.1	79.4	1.00S	.10T	273.0	84.5	.98D	.19T	229.0	3.6	336.1	78.0	138.3	11.4
	-1.4		4.5	89.1	1.00S	.10T	274.4	84.5	1.00D	.02T	49.7	3.3	284.1	84.4	139.9	4.5
	4.0		359.1	88.5	1.00S	.09T	269.0	84.6	1.00D	.03T	43.4	2.8	284.1	84.4	133.7	4.9
			CONE A		8 EXA	.53	CONE C		6 EXC	.18			CONE B		9 EXB	.43

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	COMPONENT STRIKE	COMPONENT DIP	PLANE C AZ	PLANE C DIP	COMPONENT STRIKE	COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	87.7	50-8-8	357.6	78.1	.99S	.15N	89.5	81.3	.98D	.21N	223.8	14.6	34.8	75.2	133.3	2.2
			354.8	81.9	.99S	.12N	85.8	83.2	.99D	.14N	220.6	10.6	35.6	79.4	130.5	.9
ROTATION ABOUT A,C,B AXIS																
	-3.0		354.8	81.9	.99S	.17N	86.2	80.2	.99D	.14N	220.5	12.6	46.0	77.3	310.7	1.2
	2.2		354.8	81.9	1.00S	.08N	85.5	85.4	.99D	.14N	220.7	9.0	25.2	80.7	130.4	2.5
	-3.2		354.4	78.8	.99S	.12N	85.8	83.2	.98D	.20N	220.5	12.8	26.5	76.8	129.8	3.1
	4.0		355.3	85.9	.99S	.12N	85.8	83.2	1.00D	.07N	220.6	7.8	54.6	82.0	310.9	1.9
	-8.0		2.8	81.1	1.00S	.10N	93.7	84.4	.99D	.16N	228.6	10.3	35.6	79.4	138.1	2.3
	4.0		350.8	82.4	.99S	.13N	81.8	82.6	.99D	.13N	216.4	10.6	35.6	79.4	126.3	.1
			CONE A		9 EXA	.40	CONE C		8 EXC	.57			CONE B		6 EXB	.28

197
* JUNE 6, 1951 H = 16.10.48 71.3N 9.7W DEPTH SHALLOW
RITSEMA, A.R. 1961 GEOPHYS. JOUR., 5, 254.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		38-8	298	68			205	83					278	66		
	83.9	39-7-5	209.3	86.5	.89S	.46N	301.1	62.8	1.00D	.07N	71.7	21.5	292.5	62.5	168.4	16.3
			208.6	86.5	.89S	.46N	300.4	62.8	1.00D	.07N	71.1	21.5	291.9	62.5	167.8	16.3
ROTATION ABOUT A,C,B AXIS																
	-0.6		208.6	86.5	.88S	.47N	300.5	62.2	1.00D	.07N	70.9	21.9	292.0	61.9	167.9	16.7
	10.2		208.6	86.5	.96S	.29N	299.7	72.9	1.00D	.06N	72.9	14.5	287.4	72.6	165.3	9.4
	-9.6		204.1	78.0	.88S	.47N	300.4	62.8	.97D	.23N	69.3	28.1	272.7	59.8	164.8	10.2
	2.8		209.9	89.0	.89S	.46N	300.4	62.8	1.00D	.02N	71.7	19.7	297.9	62.7	168.4	18.2
	-4.0		212.2	84.7	.89S	.45N	304.9	63.1	.99D	.10N	75.2	22.7	291.9	62.5	171.5	14.7
	1.0		207.7	87.0	.89S	.46N	299.3	62.7	1.00D	.06N	70.0	21.2	291.9	62.5	166.7	16.7
			CONE A		8 EXA	.60	CONE C		7 EXC	.54			CONE B		12 EXB	.13

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	82.3	39-8-6	34.1	86.5	.87S	.49T	302.1	60.9	1.00D	.07T	74.4	17.5	310.3	60.6	172.0	22.8
			31.9	86.1	.87S	.50T	299.6	60.3	1.00D	.08T	72.0	17.6	308.7	60.0	169.9	23.5
ROTATION ABOUT A,C,B AXIS																
	-0.6		31.9	86.1	.86S	.51T	299.6	59.7	1.00D	.08T	71.9	18.0	308.6	59.4	170.1	23.9
	.6		31.9	86.1	.87S	.49T	299.7	60.9	1.00D	.08T	72.2	17.2	308.9	60.6	169.8	23.1
	-2.4		30.7	88.1	.87S	.50T	299.6	60.3	1.00D	.04T	71.1	19.1	303.9	60.2	169.1	22.0
	25.6		45.7	64.1	.83S	.55T	299.6	60.3	.86D	.50T	81.8	2.4	349.1	48.7	173.9	41.2
	-1.6		33.3	86.9	.87S	.50T	301.5	60.2	1.00D	.06T	73.5	18.3	308.7	60.0	171.6	22.9
	11.2		22.0	80.6	.88S	.48T	286.9	61.8	.98D	.19T	61.5	12.6	308.7	60.0	158.0	26.7
			CONE A		19 EXA	.54	CONE C		4 EXC	.91			CONE B		6 EXB	.96

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	80.1	39-8-6	210.8	86.9	.98S	.20T	120.2	78.2	1.00D	.06T	254.9	6.1	135.3	77.8	346.1	10.5
			17.4	84.3	.90S	.43T	284.7	64.5	.99D	.11T	58.4	13.5	299.1	63.8	154.0	22.0
ROTATION ABOUT A,C,B AXIS																
	-50.2		17.4	84.3	.91S	.42N	110.0	65.6	.99D	.11N	241.1	21.3	95.2	64.8	336.2	12.8
	1.0		17.4	84.3	.89S	.45T	284.6	63.5	.99D	.11T	58.1	14.2	298.6	62.8	154.2	22.7
	-1.2		17.9	83.2	.90S	.43T	284.7	64.5	.99D	.13T	58.7	12.7	301.7	63.5	154.1	22.8
	32.0		183.0	67.0	.88S	.47N	284.7	64.5	.90D	.43N	53.1	35.6	236.5	54.4	144.2	1.6
	-19.2		214.7	87.2	.90S	.44N	306.0	63.9	1.00D	.05N	77.4	20.2	299.1	63.8	173.4	16.0
	8.0		10.1	80.9	.91S	.42T	275.9	65.6	.98D	.17T	50.9	10.4	299.1	63.8	145.5	23.8
			CONE A		30 EXA	.18	CONE C		37 EXC	.47			CONE B		41 EXB	.35

198
* JULY 9, 1951 H = 00.03.47 16.0N 96.5W DEPTH SHALLOW
RITSEMA, A.R. 1961 GEOPHYS. JOUR., 5, 254.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		25-4	-	-			49	72					-	-		
	85.6	25-4-3	169.8	28.3	.79S	.62T	45.2	73.0	.39D	.92T	27.5	24.6	128.1	21.9	254.7	56.0
			175.7	29.9	.92S	.40T	65.0	78.5	.47D	.88T	43.0	28.2	149.0	27.2	275.1	48.9
ROTATION ABOUT A,C,B AXIS																
	-15.0		175.7	29.9	.78S	.62T	51.1	71.9	.41D	.91T	32.6	23.2	133.1	23.0	262.7	56.3
	10.2		175.7	29.9	.97S	.23T	74.1	83.4	.49D	.87T	50.0	32.1	160.4	29.0	282.7	44.0
	-28.8		162.5	57.4	.97S	.24T	65.0	78.5	.83D	.55T	27.6	13.9	138.2	54.9	288.9	31.5
	38.4		288.2	15.6	.67D	.74T	65.0	78.5	.18S	.98T	74.0	32.7	337.2	10.4	231.8	55.3
	-9.6		191.3	34.8	.80S	.60T	69.8	70.1	.49D	.87T	48.3	19.9	149.0	27.2	286.8	55.3
	8.0		159.7	27.6	.99S	.16T	61.3	85.6	.46D	.89T	38.0	34.9	149.0	27.2	267.5	42.9
			CONE A		34 EXA	.74	CONE C		21 EXC	.30			CONE B		41 EXB	.63

199
* JULY 9, 1951 H = 01.31.03 33.1N 139.3E DEPTH 200 KM.
RITSEMA, A.R. 1961 GEOPHYS. JOUR., 5, 254.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		33-0	30	80			-	-					-	-		
	98.6	33-1	290.4	38.5	.99S	.15N	27.4	84.5	.62D	.79N	173.5	38.4	301.7	38.0	57.4	29.0
			314.9	29.0	.79S	.62T	190.4	72.6	.40D	.92T	172.4	24.0	273.0	22.4	40.8	56.1
ROTATION ABOUT A,C,B AXIS																
	-21.4		314.9	29.0	.96S	.29T	210.1	82.0	.47D	.88T	187.3	31.4	295.9	27.6	58.5	45.8
	4.6		314.9	29.0	.73S	.68T	185.9	70.8	.38D	.93T	169.2	22.7	268.3	20.8	36.4	58.4
	-38.4		52.0	22.8	.63D	.77T	190.4	72.6	.26S	.97T	202.0	26.1	104.9	14.2	349.2	59.7
	51.2		285.1	75.4	.95S	.31T	190.4	72.6	.96D	.26T	327.3	1.9	232.8	67.0	58.1	22.9
	-16.0		334.3	40.7	.58S	.81T	197.8	58.1	.45D	.89T	179.1	9.4	273.0	22.4	67.9	65.5
	12.8		288.6	23.1	.97S	.25T	185.3	84.4	.38D	.92T	165.9	35.5	273.0	22.4	28.2	46.0
			CONE A		51 EXA	.68	CONE C		27 EXC	.10			CONE B		48 EXB	.71

200
JULY 11, 1951 H = 18.22.00 28.3N 139.9E DEPTH 550 KM. M = 7
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA		95	172	32			53	75					135	27		
ALTER.		95	153	55			53	75					123	50		
	94.4	95-6-6	51.9	83.5	.92S	.40N	144.8	66.4	.99D	.12N	275.9	21.3	127.5	65.4	10.6	11.7
			52.2	82.7	.93S	.38N	145.1	67.9	.99D	.14N	276.7	20.8	125.0	66.7	10.5	10.1
ROTATION ABOUT A,C,B AXIS																
	-43.8		52.2	82.7	.41S	.91N	158.1	25.0	.95D	.30N	257.1	47.0	139.0	23.7	32.1	33.5
	15.0		52.2	82.7	.99S	.13N	143.1	82.8	.99D	.13N	277.8	10.3	97.4	79.7	187.8	.1
	-6.4		49.7	76.8	.92S	.39N	145.1	67.9	.97D	.25N	275.9	25.3	111.1	63.9	8.7	6.0
	1.0		52.6	83.7	.93S	.38N	145.1	67.9	.99D	.12N	276.6	20.0	127.4	67.0	10.6	10.8
	0		52.2	82.7	.93S	.38N	145.1	67.9	.99D	.14N	276.7	20.8	125.0	66.7	10.5	10.1
	4.0		48.5	84.3	.92S	.39N	140.8	67.4	.99D	.11N	272.3	19.9	125.0	66.7	6.6	11.6
			CONE A		5 EXA	.46	CONE C		15 EXC	.93			CONE B		21 EXB	.87

WITH ADDITIONAL DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE
OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

	SCORE	OBSERVED	PLANE A AZ	DIP	A COMPONENT STRIKE	DIP	PLANE C AZ	DIP	C COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
	93.2	115-10-9	52.4	79.1	.77S	.63N	151.2	51.5	.97D	.24N	274.3	35.0	129.4	49.4	17.3	17.9
			51.9	71.6	.75S	.67N	157.7	50.7	.91D	.41N	277.2	42.1	122.5	45.0	19.2	13.0
ROTATION ABOUT A,C,B AXIS																
	-27.8		51.9	71.6	.35S	.94N	182.2	27.2	.72D	.69N	260.0	58.4	135.2	19.3	36.3	23.9
	4.6		51.9	71.6	.80S	.60N	155.4	55.0	.92D	.38N	278.4	39.0	119.4	49.1	17.0	10.5
	-7.2		46.7	66.4	.72S	.69N	157.7	50.7	.86D	.52N	275.1	46.9	113.9	41.5	15.4	9.5
	9.6		58.4	78.9	.76S	.64N	157.7	50.7	.97D	.25N	280.2	35.7	135.6	48.6	23.8	18.1
	-4.0		55.1	69.0	.76S	.65N	162.3	52.5	.89D	.45N	282.4	43.2	122.5	45.0	22.1	10.2
	6.4		47.0	76.0	.73S	.68N	149.8	48.4	.95D	.32N	269.1	39.9	122.5	45.0	14.3	17.4
			CONE A		13 EXA	.38	CONE C		18 EXC	.68			CONE B		23 EXB	.48

201
* JULY 26, 1951 H = 09.59.59 40.9N 142.7E DEPTH 60 KM.
RITSEMA, A.R. 1961 GEOPHYS. JOUR., 5, 254.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	DIP	A COMPONENT STRIKE	DIP	PLANE C AZ	DIP	C COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
RITSEMA		29-3	-	-			293	45					-	-		
AUTHOR	SCORE	OBSERVED	PLANE A AZ	DIP	A COMPONENT STRIKE	DIP	PLANE C AZ	DIP	C COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
	89.6	31-3-3	270.2	17.1	.31S	.95T	109.3	73.8	.10D	1.00T	104.9	28.6	197.8	5.3	297.4	60.8
			281.7	31.1	.15S	.99T	111.9	59.3	.09D	1.00T	108.1	14.2	199.2	4.5	306.4	75.1
ROTATION ABOUT A,C,B AXIS																
	-37.4		281.7	31.1	.48D	.88T	69.2	63.0	.28S	.96T	80.9	16.5	346.6	14.3	217.8	67.9
	1.4		281.7	31.1	.18S	.98T	113.5	59.4	.11D	.99T	109.1	14.2	200.4	5.2	310.0	74.8
	-2.4		277.1	31.5	.22S	.98T	111.9	59.3	.13D	.99T	106.3	14.0	198.0	6.6	312.6	74.5
	2.8		287.1	30.8	.07S	1.00T	111.9	59.3	.04D	1.00T	110.1	14.3	200.6	2.1	298.8	75.6
	-4.8		282.9	35.9	.13S	.99T	112.4	54.5	.10D	1.00T	108.5	9.3	199.2	4.5	314.6	79.6
	14.4		274.2	17.0	.27S	.96T	110.5	73.6	.08D	1.00T	106.8	28.5	199.2	4.5	297.4	61.1
			CONE A		10 EXA	.73	CONE C		27 EXC	.51			CONE B		14 EXB	.87

202
* AUGUST 8, 1951 H = 20.56.31 42.6N 13.5E DEPTH SHALLOW
RITSEMA, A.R. 1961 GEOPHYS. JOUR., 5, 254.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	DIP	A COMPONENT STRIKE	DIP	PLANE C AZ	DIP	C COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
RITSEMA		21-4	210	66			102	56					148	46		
	84.4	22-3	42.6	29.8	.69S	.73N	175.0	68.9	.37D	.93N	323.5	60.3	93.1	20.0	191.2	21.0
			52.0	34.9	.78S	.63N	175.6	68.9	.48D	.88N	317.9	56.6	96.7	26.4	196.5	18.9
ROTATION ABOUT A,C,B AXIS																
	-8.6		52.0	34.9	.67S	.74N	184.0	65.0	.43D	.90N	324.8	61.5	105.2	22.7	202.2	16.3
	24.6		52.0	34.9	.97S	.25N	153.9	81.8	.56D	.83N	301.2	42.9	69.4	33.7	180.7	28.6
	-7.2		42.8	29.6	.68S	.73N	175.6	68.9	.36D	.93N	324.3	60.4	93.6	19.8	191.6	21.1
	11.2		62.1	44.1	.86S	.52N	175.6	68.9	.64D	.77N	311.4	49.7	102.3	36.5	203.4	14.6
	.0		52.0	34.9	.78S	.63N	175.6	68.9	.48D	.88N	317.9	56.6	96.7	26.4	196.5	18.9
	4.8		46.0	38.1	.72S	.69N	173.1	64.7	.49D	.87N	310.3	59.2	96.7	26.4	194.2	14.7
			CONE A		9 EXA	.74	CONE C		13 EXC	.86			CONE B		25 EXB	.45

203
* AUGUST 13, 1951 H = 18.33.30 40.6N 33.6E DEPTH NORMAL
SOBOUTI, M. 1964 DOCTORAL THESIS, U. OF PARIS. DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
SOBOUTI	91.6	49-4-4	260.8	78.0	.91S	.41T	165.5	66.2	.97D	.23T	301.4	8.0	195.5	63.0	35.3	25.6
			262.0	78.1	.50S	.86T	152.5	32.3	.92D	.39T	285.6	26.8	178.9	29.6	49.8	48.0
ROTATION ABOUT A,C,B AXIS																
	-13.4		262.0	78.1	.29S	.96T	137.8	20.6	.81D	.59T	275.9	31.1	175.6	16.5	61.6	53.9
	37.4		262.0	78.1	.93S	.38T	167.2	68.2	.97D	.22T	303.3	6.7	198.8	64.8	36.3	24.2
	-11.2		252.3	83.9	.53S	.85T	152.5	32.3	.98D	.20T	278.2	31.5	166.1	31.6	42.1	42.3
	9.6		270.7	73.4	.47S	.88T	152.5	32.3	.84D	.54T	292.0	23.3	189.4	26.9	57.0	53.1
	-2.4		263.3	80.1	.50S	.87T	156.8	31.5	.94D	.33T	287.1	28.8	178.9	29.6	52.3	46.4
	3.6		260.2	75.0	.51S	.86T	146.6	33.9	.89D	.47T	283.4	23.8	178.9	29.6	45.6	50.4

CONE A 11 EXA .71 CONE C 17 EXC .88 CONE B 33 EXB .59

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	91.2	49-4-4	75.0	86.3	.93S	.37N	166.5	68.1	1.00D	.07N	298.6	18.0	155.9	67.8	32.8	12.6
			266.3	85.7	.49S	.87T	168.7	29.7	.99D	.15T	291.1	34.1	178.7	29.4	58.4	41.8
ROTATION ABOUT A,C,B AXIS																
	-15.0		266.3	85.7	.25S	.97T	160.0	15.1	.96D	.29T	279.4	39.0	177.4	14.4	71.2	47.4
	43.8		266.3	85.7	.96S	.29T	175.0	73.3	1.00D	.08T	309.5	8.6	190.3	72.7	41.8	14.9
	-32.0		58.2	78.7	.46S	.89N	168.7	29.7	.92D	.40N	268.1	48.8	142.3	27.1	36.2	28.4
	3.6		269.4	83.9	.49S	.87T	168.7	29.7	.98D	.21T	293.6	32.6	182.8	29.0	61.0	43.5
	-2.0		267.3	87.4	.49S	.87T	172.7	29.5	1.00D	.09T	292.6	35.7	178.7	29.4	60.1	40.3
	11.2		260.6	76.0	.51S	.86T	148.1	33.2	.90D	.44T	283.8	24.9	178.7	29.4	47.0	49.7

CONE A 22 EXA .63 CONE C 28 EXC .78 CONE B 46 EXB .39

DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	86.8	51-8-6	62.9	64.5	.05S	1.00N	235.8	25.7	.11D	.99N	249.5	70.3	151.6	2.8	60.6	19.4
			63.2	64.6	.06S	1.00N	235.6	25.6	.12D	.99N	250.2	70.2	151.8	3.0	60.7	19.5
ROTATION ABOUT A,C,B AXIS																
	-11.8		63.2	64.6	.15D	.99N	262.4	26.7	.30S	.95N	225.9	69.2	336.8	7.7	69.5	19.2
	2.6		63.2	64.6	.10S	.99N	229.7	26.0	.21D	.98N	255.2	69.8	150.6	5.3	58.7	19.4
	-2.0		60.9	64.5	.04S	1.00N	235.6	25.6	.08D	1.00N	245.8	70.4	149.9	2.1	59.2	19.5
	1.4		64.7	64.7	.07S	1.00N	235.6	25.6	.14D	.99N	253.0	70.0	153.0	3.6	61.7	19.6
	-0.1		63.2	64.5	.06S	1.00N	235.6	25.7	.12D	.99N	250.2	70.3	151.8	3.0	60.7	19.4
	9.6		62.6	74.2	.05S	1.00N	231.4	16.1	.19D	.98N	247.2	60.7	151.8	3.0	60.1	29.1

CONE A 6 EXA .65 CONE C 12 EXC .33 CONE B 7 EXB .76

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	84.4	51-9-7	81.2	84.8	.96S	.28N	172.8	73.7	1.00D	.09N	305.9	15.3	154.1	72.8	38.0	7.7
			85.7	76.0	.71S	.70N	189.1	47.1	.94D	.33N	307.4	40.8	161.9	43.7	53.7	18.1
ROTATION ABOUT A,C,B AXIS																
	-31.0		85.7	76.0	.25S	.97N	219.0	20.0	.71D	.71N	284.5	56.7	172.2	14.0	74.1	29.6
	50.2		85.7	76.0	1.00S	.10T	354.4	84.5	.97D	.24T	310.8	5.9	63.5	74.9	219.4	13.8
	-16.0		73.4	65.0	.66S	.75N	189.1	47.1	.82D	.58N	301.6	51.3	143.0	36.7	45.0	10.5
	32.0		287.9	80.7	.72S	.69T	189.1	47.1	.98D	.22T	321.3	21.5	207.5	45.6	68.3	36.6
	-4.8		89.3	72.6	.72S	.69N	195.2	48.8	.92D	.40N	313.4	42.6	161.9	43.7	57.4	14.7
	14.4		75.5	86.3	.69S	.72N	169.4	44.0	1.00D	.09N	291.5	33.7	161.9	43.7	41.9	27.6
			CONE A	30 EXA	.60		CONE C	39 EXC	.76				CONE B	62 EXB	.41	

COMBINATION OF SOBOUTI AND E.S.A. IN CASES OF DISAGREEMENT OF DATA
STATION IS DISCARDED.

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	86.1	67-11-9	77.9	82.7	.94S	.35N	170.6	69.7	.99D	.14N	302.7	19.6	149.2	68.3	35.9	9.0
			76.8	80.0	.85S	.53N	173.1	58.3	.98D	.20N	300.3	29.6	151.4	56.4	38.7	14.4
ROTATION ABOUT A,C,B AXIS																
	-11.8		76.8	80.0	.72S	.69N	176.4	46.8	.97D	.24N	296.6	37.3	156.6	45.1	43.7	21.2
	13.4		76.8	80.0	.95S	.32N	170.2	71.5	.98D	.18N	302.4	20.3	139.8	68.8	34.5	5.8
	-8.0		72.4	73.2	.84S	.55N	173.1	58.3	.94D	.34N	298.7	35.1	138.6	53.2	35.5	9.6
	16.0		265.3	86.4	.85S	.53T	173.1	58.3	1.00D	.07T	304.8	19.1	181.1	58.1	43.9	24.5
	-1.2		77.9	79.3	.85S	.53N	174.5	58.6	.98D	.22N	301.7	30.0	151.4	56.4	39.8	13.7
	1.0		76.0	80.5	.84S	.54N	171.9	58.1	.98D	.19N	299.2	29.4	151.4	56.4	37.8	14.9
			CONE A	7 EXA	.91		CONE C	7 EXC	.91				CONE B	25 EXB	.05	

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* AUGUST 21, 1951 H = 10.56.58 19.2N 155.5W DEPTH SHALLOW
RITSEMA, A.R. 1961 GEOPHYS. JOUR., 5, 254.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		30-5	-	-			218	90					-	-		
	87.3	30-4-3	32.7	84.5	.90S	.44N	125.4	64.0	.99D	.11N	256.0	22.2	111.7	63.3	351.9	14.0
			34.2	84.7	.21S	.98N	147.9	13.1	.91D	.41N	227.1	49.0	123.1	11.9	23.4	38.6
ROTATION ABOUT A,C,B AXIS																
	-63.0		34.2	84.7	.78D	.63N	299.9	51.3	.99S	.12N	174.6	30.6	310.8	50.7	70.7	22.2
	56.6		34.2	84.7	.93S	.37N	126.3	68.6	1.00D	.10N	258.1	18.9	110.9	67.9	352.0	11.1
	-22.4		12.0	80.5	.16S	.99N	147.9	13.1	.69D	.73N	202.8	53.7	100.5	8.9	4.2	34.9
	8.0		42.1	86.4	.22S	.98N	147.9	13.1	.96D	.28N	235.1	47.2	131.3	12.5	30.5	40.1
	-8.0		35.9	76.8	.21S	.98N	172.3	17.9	.67D	.74N	231.7	56.5	123.1	11.9	25.9	30.8
	6.4		212.9	89.1	.21S	.98T	118.5	11.9	1.00D	.08T	224.4	42.9	123.1	11.9	21.1	44.7
			CONE A	21 EXA	.53		CONE C	41 EXC	.88				CONE B	60 EXB	.75	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	88.6	30-4-3	341.2	73.1	.88S	.48N	80.2	62.8	.95D	.33N	208.3	31.9	43.1	57.2	302.5	6.8
			341.3	73.0	.87S	.49N	80.5	62.3	.94D	.33N	208.4	32.4	43.6	56.7	302.8	7.0
ROTATION ABOUT A,C,B AXIS																
	-4.6		341.3	73.0	.83S	.55N	82.3	58.0	.94D	.34N	207.7	35.5	47.6	52.8	304.6	9.7
	1.4		341.3	73.0	.89S	.46N	80.0	63.7	.95D	.33N	208.6	31.4	42.2	57.9	302.4	6.1
	-0.4		341.1	72.7	.87S	.49N	80.5	62.3	.94D	.34N	208.2	32.6	43.0	56.5	302.6	6.8
	1.6		342.1	74.4	.88S	.48N	80.5	62.3	.95D	.30N	208.6	31.2	46.1	57.6	303.4	7.9
	-0.5		341.8	72.8	.88S	.48N	81.1	62.5	.94D	.33N	208.9	32.4	43.6	56.7	303.2	6.8
	12.8		330.0	79.5	.85S	.53N	66.4	58.8	.98D	.21N	193.8	29.7	43.6	56.7	291.8	13.7
			CONE A		5 EXA	.85	CONE C		9 EXC	.55			CONE B		3 EXB	.67

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* AUGUST 24, 1951 H = 14.21.35 46.5N 150.7E DEPTH 200 KM.
RITSEMA, A.R. 1961 GEOPHYS. JOUR., 5, 254.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		35-4	-	-			140	81					-	-		
	91.8	35-4-3	313.4	61.6	.99S	.15T	219.4	82.6	.88D	.48T	179.6	14.2	296.1	60.5	82.7	25.3
			321.7	17.6	.58S	.82T	178.2	75.7	.18D	.98T	169.8	30.0	265.6	10.0	12.0	58.1
ROTATION ABOUT A,C,B AXIS																
	-31.0		321.7	17.6	.07S	1.00T	146.1	72.5	.02D	1.00T	145.0	27.5	235.7	1.3	328.2	62.5
	31.0		321.7	17.6	.92S	.40T	208.9	83.0	.28D	.96T	194.9	36.0	296.9	16.0	46.5	49.5
	-19.2		291.7	32.5	.89S	.46T	178.2	75.7	.49D	.87T	155.6	24.9	260.3	28.6	31.5	50.4
	9.6		355.2	14.3	.05S	1.00T	178.2	75.7	.01D	1.00T	177.6	30.7	268.0	.7	359.2	59.3
	-11.2		335.7	27.5	.38S	.93T	180.4	64.7	.19D	.98T	172.1	19.0	265.6	10.0	22.0	68.4
	25.6		217.2	14.9	.68S	.74N	353.7	79.1	.18D	.98N	161.1	54.8	265.6	10.0	2.3	33.3
			CONE A		33 EXA	.22	CONE C		48 EXC	.41			CONE B		42 EXB	.54

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	90.2	35-4-3	316.7	68.5	.87S	.49N	58.4	62.7	.91D	.41N	186.0	35.6	13.8	54.1	278.6	3.7
			320.3	69.7	.90S	.43N	59.6	66.4	.93D	.38N	189.2	31.9	14.0	58.0	280.5	2.2
ROTATION ABOUT A,C,B AXIS																
	-6.2		320.3	69.7	.85S	.52N	62.3	60.7	.92D	.40N	188.7	36.3	20.7	53.1	282.9	5.8
	13.4		320.3	69.7	.98S	.21N	54.5	78.9	.94D	.35N	188.8	22.4	351.5	66.6	96.2	6.3
	-1.4		319.7	68.4	.90S	.43N	59.6	66.4	.92D	.40N	189.1	32.9	12.0	57.1	280.0	1.3
	0		320.3	69.7	.90S	.43N	59.6	66.4	.93D	.38N	189.2	31.9	14.0	58.0	280.5	2.2
	-2.0		322.3	68.8	.91S	.42N	61.6	67.2	.92D	.39N	191.7	32.0	14.0	58.0	282.3	1.0
	4.8		315.8	71.8	.89S	.45N	54.7	64.7	.94D	.35N	183.6	31.6	14.0	58.0	276.5	4.7
			CONE A		3 EXA	.79	CONE C		12 EXC	.65			CONE B		5 EXB	.93

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AUGUST 28, 1951 H = 16.31.11 27S 178E DEPTH 600 KM.
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 171.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		35-8	48	87			317	87					3	86		
	77.5	34-9-6	102.2	74.5	1.00S	.10N	193.7	84.6	.96D	.27N	329.0	14.8	122.4	73.5	237.1	7.0
			99.1	72.2	.99S	.12N	191.1	83.7	.95D	.31N	326.4	17.1	119.9	71.0	233.9	8.0
ROTATION ABOUT A,C,B AXIS																
	-56.6		99.1	72.2	.45S	.89N	220.4	31.8	.81D	.58N	312.6	54.8	180.3	25.4	78.9	22.6
	8.6		99.1	72.2	1.00S	.03T	8.5	88.1	.95D	.31T	325.3	11.1	92.7	72.1	232.5	13.9
	-0.4		99.0	71.8	.99S	.12N	191.1	83.7	.95D	.31N	326.5	17.4	119.5	70.6	233.9	8.3
	1.6		99.3	73.7	.99S	.11N	191.1	83.7	.96D	.28N	326.4	16.0	121.7	72.5	234.4	6.9
	-0.7		99.8	72.1	.99S	.11N	191.8	83.9	.95D	.31N	327.1	17.0	119.9	71.0	234.6	8.2
	2.4		96.6	72.5	.99S	.13N	188.8	82.9	.95D	.30N	323.7	17.5	119.9	71.0	231.4	7.2
			CONE A		2 EXA	.35	CONE C		14 EXC	.95			CONE B		11 EXB	.97

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* OCTOBER 15, 1951 H = 21.01.57 32.6N 134.5E DEPTH SHALLOW
RITSEMA, A.R. 1961 GEOPHYS. JOUR., 5, 254.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		33-5	31	72			292	54					331	58		
	86.6	33-4-4	282.0	75.3	.96S	.29N	16.5	73.6	.96D	.26N	149.0	22.3	332.3	67.7	239.5	1.2
			282.0	76.7	.97S	.26N	15.5	75.6	.97D	.24N	148.7	19.8	331.1	70.2	239.0	.8
ROTATION ABOUT A,C,B AXIS																
	-1.8		282.0	76.7	.96S	.29N	15.9	73.8	.97D	.24N	148.5	21.1	334.4	68.8	239.3	2.0
	3.8		282.0	76.7	.98S	.19N	14.6	79.3	.97D	.23N	148.7	17.1	322.3	72.8	58.1	1.8
	-1.6		281.6	75.2	.97S	.26N	15.5	75.6	.96D	.26N	148.6	20.9	327.8	69.1	58.5	.3
	11.2		284.9	87.6	.97S	.25N	15.5	75.6	1.00D	.04N	149.2	11.9	5.5	75.4	240.9	8.4
	-4.8		286.8	75.5	.97S	.24N	20.3	76.8	.97D	.26N	153.9	19.8	331.1	70.2	63.6	.9
	4.0		278.1	77.8	.96S	.27N	11.5	74.7	.98D	.22N	144.4	19.7	331.1	70.2	235.2	2.1
			CONE A		11 EXA	.31	CONE C		7 EXC	.36			CONE B		8 EXB	.56

208
* OCTOBER 18, 1951 H = 08.26.24 41.6N 142.0E DEPTH NORMAL
RITSEMA, A.R. 1961 GEOPHYS. JOUR., 5, 254.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		75-15	113	42			304	48					30	5		
	80.9	76-16-14	268.2	17.1	.24S	.97T	102.8	73.4	.07D	1.00T	99.4	28.3	191.6	4.1	289.1	61.4
			270.9	17.1	.20S	.98T	102.8	73.3	.06D	1.00T	100.0	28.2	191.8	3.3	287.9	61.6
ROTATION ABOUT A,C,B AXIS																
	-1.8		270.9	17.1	.17S	.99T	100.9	73.2	.05D	1.00T	98.5	28.1	190.0	2.8	285.2	61.7
	2.6		270.9	17.1	.24S	.97T	105.5	73.5	.07D	1.00T	102.1	28.4	194.3	4.1	291.8	61.3
	-1.4		266.3	17.4	.27S	.96T	102.8	73.3	.08D	1.00T	98.9	28.1	191.4	4.7	290.1	61.4
	0		270.9	17.1	.20S	.98T	102.8	73.3	.06D	1.00T	100.0	28.2	191.8	3.3	287.9	61.6
	-0.1		270.9	17.2	.20S	.98T	102.8	73.2	.06D	1.00T	100.0	28.1	191.8	3.3	287.9	61.7
	.5		270.5	16.6	.20S	.98T	102.7	73.8	.06D	1.00T	100.0	28.7	191.8	3.3	287.8	61.1
			CONE A		1 EXA	.57	CONE C		2 EXC	.86			CONE B		2 EXB	.68

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	80.0	76-16-14	112.0	45.4	.13S	.99T	302.5	45.1	.13D	.99T	117.2	.2	27.2	5.3	208.8	84.7
			112.0	45.4	.13S	.99T	302.5	45.1	.13D	.99T	117.2	.2	27.2	5.3	208.8	84.7
ROTATION ABOUT A,C,B AXIS																
	-1.8		112.0	45.4	.10S	1.00T	300.0	44.9	.10D	1.00T	115.9	.3	25.9	4.0	209.5	86.0
	.6		112.0	45.4	.14S	.99T	303.3	45.2	.14D	.99T	117.6	.1	27.6	5.7	208.6	84.3
	-2.4		108.6	45.8	.17S	.99T	302.5	45.1	.17D	.99T	115.5	.4	25.5	7.0	208.4	83.0
	3.6		117.0	45.0	.07S	1.00T	302.5	45.1	.07D	1.00T	299.8	.1	29.8	2.8	208.8	87.2
	-1.0		112.1	46.4	.13S	.99T	302.7	44.1	.13D	.99T	117.3	1.2	27.2	5.3	219.6	84.6
	4.0		111.2	41.4	.14S	.99T	301.8	49.1	.12D	.99T	296.8	3.9	27.2	5.3	170.9	83.4
			CONE A	5 EXA	.17		CONE C	3 EXC	.52				CONE B	4 EXB	.60	

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* OCTOBER 19, 1951 H = 14.51.31 41.6N 142.0E DEPTH 60 KM.

RITSEMA, A.R. 1961 GEOPHYS. JOUR., 5, 254.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		31-6	85	60			315	42					12	26		
	79.5	32-6-6	92.7	69.0	.09S	1.00T	286.7	21.6	.23D	.97T	96.6	23.8	4.5	4.8	263.8	65.6
			92.7	69.0	.09S	1.00T	286.7	21.6	.23D	.97T	96.6	23.8	4.5	4.8	263.8	65.6
ROTATION ABOUT A,C,B AXIS																
	-3.0		92.7	69.0	.04S	1.00T	278.6	21.1	.10D	1.00T	94.3	24.0	3.4	2.0	268.9	65.9
	10.2		92.7	69.0	.26S	.96T	310.1	25.8	.57D	.82T	104.4	22.5	8.3	14.3	248.5	62.9
	-2.0		90.5	69.2	.10S	.99T	286.7	21.6	.26D	.97T	95.1	24.0	2.6	5.5	260.5	65.3
	8.0		101.2	68.5	.04S	1.00T	286.7	21.6	.09D	1.00T	102.8	23.5	12.0	1.9	277.6	66.4
	-0.7		92.7	69.7	.09S	1.00T	287.2	20.9	.23D	.97T	96.7	24.5	4.5	4.8	264.2	64.9
	0		92.7	69.0	.09S	1.00T	286.7	21.6	.23D	.97T	96.6	23.8	4.5	4.8	263.8	65.6
			CONE A	3 EXA	.93		CONE C	3 EXC	.95				CONE B	11 EXB	.24	

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* NOVEMBER 6, 1951 H = 16.40.06 47.5N 153.9E DEPTH SHALLOW

RITSEMA, A.R. 1961 GEOPHYS. JOUR., 5, 254.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		48-13	-	-			180	47					-	-		
	80.7	51-13-9	142.9	88.8	.10S	1.00T	40.6	5.6	.98D	.21T	148.3	43.5	53.0	5.5	317.3	45.9
			142.9	88.8	.10S	1.00T	40.6	5.6	.98D	.21T	148.3	43.5	53.0	5.5	317.3	45.9
ROTATION ABOUT A,C,B AXIS																
	-31.0		142.9	88.8	.43D	.90T	235.4	25.5	1.00S	.05T	120.0	38.6	232.3	25.5	346.6	40.8
	50.2		142.9	88.8	.83S	.56T	52.1	55.7	1.00D	.03T	182.1	22.5	54.6	55.7	282.9	24.4
	-2.4		140.5	89.0	.10S	1.00T	40.6	5.6	.99D	.17T	145.9	43.7	50.6	5.5	314.9	45.7
	1.2		144.1	88.7	.10S	1.00T	40.6	5.6	.97D	.23T	149.4	43.4	54.2	5.5	318.5	46.0
	-1.8		323.1	89.4	.10S	1.00N	59.2	5.5	.99D	.11N	148.6	45.3	53.0	5.5	317.6	44.1
	.5		142.8	88.3	.10S	1.00T	35.7	5.8	.96D	.30T	148.2	43.0	53.0	5.5	317.2	46.4
			CONE A	3 EXA	.36		CONE C	14 EXC	.97				CONE B	17 EXB	.96	

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
80.5	51-14-10	234.9	32.4	.90S	.45T	122.1	76.2	.49D	.87T	99.4	25.4	204.4	28.7	335.0	50.0
		235.2	31.6	.88S	.47T	120.9	75.8	.48D	.88T	98.9	25.4	203.3	27.6	333.3	50.9
ROTATION ABOUT A,C,B AXIS															
-21.4		235.2	31.6	.65S	.76T	100.5	66.6	.37D	.93T	84.3	18.7	181.4	20.0	314.6	62.0
2.2		235.2	31.6	.90S	.43T	122.9	76.9	.49D	.87T	100.4	26.2	205.7	28.2	334.9	49.7
-9.6		228.3	40.3	.93S	.38T	120.9	75.8	.62D	.79T	92.9	21.4	200.0	36.8	339.4	45.4
4.8		240.0	27.5	.85S	.53T	120.9	75.8	.40D	.92T	102.2	27.0	204.7	23.0	329.3	53.2
-1.8		238.1	32.5	.86S	.51T	121.8	74.2	.48D	.88T	100.0	23.8	203.3	27.6	335.4	52.1
.9		233.6	31.2	.89S	.45T	120.5	76.6	.48D	.88T	98.4	26.2	203.3	27.6	332.2	50.2
		CONE A	6 EXA	.81		CONE C	8 EXC	.89				CONE B	18 EXB	.39	

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NOVEMBER 29, 1951 H = 04.45.43 0.5N 120.5E DEPTH NORMAL M = 6.5
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		11-2	149	60			58	89					147	60		
ALTER.		11-2	324	55			55	88					328	55		
	80.3	11-2-2	135.0	51.9	.98S	.17T	38.9	82.2	.78D	.62T	2.8	19.9	119.2	50.8	259.7	32.2
			135.0	52.0	.98S	.17T	38.8	82.2	.78D	.62T	2.7	19.8	119.0	51.0	259.7	32.1
ROTATION ABOUT A,C,B AXIS																
-2.6			135.0	52.0	.98S	.22T	37.2	80.1	.78D	.62T	1.6	18.3	115.1	50.3	258.8	33.8
10.2			135.0	52.0	1.00S	.00N	225.1	89.8	.79D	.61N	6.8	25.9	135.4	52.0	263.3	25.6
-32.0			129.7	83.7	.99S	.14T	38.8	82.2	.99D	.11T	174.2	1.1	78.1	79.9	264.3	10.0
89.6			298.9	38.7	.98D	.22T	38.8	82.2	.62S	.79T	68.1	27.1	314.9	37.6	183.9	40.4
-1.8			137.2	52.4	.98S	.20T	40.2	81.1	.79D	.62T	4.3	18.8	119.0	51.0	261.6	32.8
14.4			116.6	51.0	1.00S	.03N	207.6	88.8	.78D	.63N	349.4	27.4	119.0	51.0	245.1	25.5
			CONE A	44 EXA	.87		CONE C	14 EXC	.21				CONE B	39 EXB	.89	

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
74.6	11-2-2	324.0	89.0	.98S	.18T	233.8	79.4	1.00D	.02T	8.5	6.7	239.4	79.4	99.5	8.2
		320.4	89.4	.96S	.28T	230.3	73.9	1.00D	.01T	4.1	10.9	232.4	73.9	96.4	11.7
ROTATION ABOUT A,C,B AXIS															
-43.8		320.4	89.4	.50S	.86T	229.5	30.1	1.00D	.02T	346.9	37.2	230.8	30.1	113.6	38.3
15.0		320.4	89.4	1.00S	.02T	230.4	88.9	1.00D	.01T	4.4	.3	258.0	88.8	94.4	1.2
-4.0		139.3	86.7	.96S	.28N	230.3	73.9	1.00D	.06N	3.7	13.7	218.1	73.6	95.9	8.9
12.8		324.0	77.2	.96S	.28T	230.3	73.9	.97D	.23T	7.0	2.3	271.0	69.2	97.8	20.7
-11.2		151.2	87.5	.96S	.27N	241.9	74.1	1.00D	.05N	15.4	13.0	232.4	73.9	107.5	9.4
.5		320.0	89.3	.96S	.28T	229.8	73.9	1.00D	.01T	3.7	10.8	232.4	73.9	96.0	11.8
		CONE A	14 EXA	.30		CONE C	26 EXC	.80				CONE B	31 EXB	.71	

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* DECEMBER 8, 1951 H = 04.14.17 33.7S 57.7E DEPTH NORMAL
RITSEMA, A.R. 1961 GEOPHYS. JOUR., 5, 254.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		37-5	240	84			150	85					202	82		
	82.2	40-6-6	148.8	84.7	1.00S	.07N	239.1	85.9	1.00D	.09N	14.0	6.6	186.7	83.3	283.9	.8
			149.0	83.4	1.00S	.09N	239.6	84.8	.99D	.12N	14.3	8.3	187.5	81.6	284.2	1.0
ROTATION ABOUT A,C,B AXIS																
	-1.0		149.0	83.4	.99S	.11N	239.7	83.8	.99D	.12N	14.3	9.1	192.5	80.9	284.3	.3
	4.6		149.0	83.4	1.00S	.01N	239.0	89.4	.99D	.12N	14.4	5.1	154.4	83.4	284.0	4.2
	-11.2		147.9	72.2	1.00S	.10N	239.6	84.8	.95D	.31N	15.1	16.3	165.3	71.4	282.5	8.8
	4.8		149.4	88.2	1.00S	.09N	239.6	84.8	1.00D	.03N	14.1	4.9	220.1	84.5	104.3	2.4
	-4.8		153.8	83.0	1.00S	.08N	244.4	85.4	.99D	.12N	19.3	8.2	187.5	81.6	289.0	1.7
	.4		148.6	83.4	1.00S	.09N	239.2	84.8	.99D	.11N	14.3	8.3	187.5	81.6	284.2	1.0
			CONE A		9 EXA	.67	CONE C		5 EXC	.07			CONE B		9 EXB	.65

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* DECEMBER 26, 1951 H = 00.46.52 32.8N 118.4W DEPTH SHALLOW
RITSEMA, A.R. 1961 GEOPHYS. JOUR., 5, 254.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		24-3	154	60			250	80					176	58		
	88.8	24-3-3	55.0	71.4	.99S	.15N	147.8	81.7	.95D	.32N	282.7	19.1	80.8	69.5	190.2	7.1
			57.0	71.3	.99S	.15N	149.8	81.9	.95D	.32N	284.7	19.0	82.1	69.5	192.1	7.3
ROTATION ABOUT A,C,B AXIS																
	-15.0		57.0	71.3	.92S	.40N	155.0	67.8	.94D	.35N	285.2	29.6	110.6	60.3	16.5	2.3
	11.8		57.0	71.3	1.00S	.06T	326.0	86.9	.95D	.32T	283.0	10.9	46.9	71.0	189.9	15.4
	-2.8		56.6	68.5	.99S	.15N	149.8	81.9	.93D	.37N	285.0	21.0	79.2	66.9	191.4	9.2
	.7		57.2	72.0	.99S	.15N	149.8	81.9	.95D	.31N	284.6	18.6	82.9	70.1	192.3	6.8
	-1.2		58.3	71.1	.99S	.14N	150.9	82.3	.95D	.33N	286.0	18.9	82.1	69.5	193.3	7.7
	2.4		54.5	71.7	.99S	.16N	147.5	81.2	.95D	.32N	282.3	19.3	82.1	69.5	190.0	6.6
			CONE A		4 EXA	.03	CONE C		10 EXC	.87			CONE B		10 EXB	.87

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	87.1	24-3-3	242.9	85.1	.89S	.46T	150.3	62.8	1.00D	.10T	283.5	15.2	162.3	62.3	20.0	22.5
			253.7	66.2	.74S	.67T	143.7	52.4	.86D	.51T	285.8	8.4	187.9	42.9	24.6	45.9
ROTATION ABOUT A,C,B AXIS																
	-37.4		253.7	66.2	.19S	.98T	98.8	26.0	.39D	.92T	261.7	20.5	168.0	9.8	53.9	67.1
	15.0		253.7	66.2	.89S	.45T	152.1	65.6	.90D	.44T	292.7	.4	202.2	54.7	23.0	35.3
	-32.0		52.9	89.0	.79S	.61N	143.7	52.4	1.00D	.02N	271.6	26.4	141.6	52.3	14.8	24.8
	28.8		279.8	47.0	.55S	.84T	143.7	52.4	.51D	.86T	122.7	2.9	214.0	23.7	26.1	66.1
	-16.0		265.8	77.3	.70S	.72T	163.1	45.7	.95D	.31T	297.4	19.8	187.9	42.9	45.3	40.5
	11.2		244.0	59.0	.79S	.61T	132.5	58.6	.80D	.60T	278.1	.2	187.9	42.9	8.4	47.1
			CONE A		41 EXA	.55	CONE C		38 EXC	.48			CONE B		56 EXB	.14

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* DECEMBER 26, 1951 H = 16.30.47 39.2N 95.8E DEPTH SHALLOW

RITSEMA, A.R. 1961 GEOPHYS. JOUR., 5, 254.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		27-3	88	82			180	75					150	73		
	94.3	27-2-1	344.0	76.2	.95S	.30N	78.4	72.8	.97D	.25N	210.7	22.2	37.3	67.7	301.6	2.3
			341.8	75.7	.95S	.32N	76.6	71.7	.97D	.26N	208.7	23.3	36.1	66.5	299.9	2.7
ROTATION ABOUT A,C,B AXIS																
	-24.6		341.8	75.7	.73S	.69N	85.0	48.1	.94D	.33N	204.0	40.3	57.2	44.6	309.3	17.3
	5.4		341.8	75.7	.97S	.23N	75.2	76.9	.97D	.25N	208.7	19.6	26.1	70.4	118.4	.8
	-2.4		341.0	73.4	.94S	.33N	76.6	71.7	.95D	.30N	208.6	25.1	31.6	64.9	299.2	1.1
	1.2		342.2	76.8	.95S	.32N	76.6	71.7	.97D	.24N	208.8	22.5	38.5	67.2	300.2	3.5
	-9.6		351.3	72.8	.96S	.28N	86.3	74.4	.95D	.31N	219.1	23.5	36.1	66.5	128.6	1.1
	8.0		334.1	78.4	.94S	.35N	68.4	69.8	.98D	.21N	200.0	22.7	36.1	66.5	292.5	5.8
			CONE A		8 EXA	.80	CONE C		23 EXC	.41			CONE B		10 EXB	.88

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	93.0	27-3-2	172.5	81.0	.98S	.20T	80.7	78.7	.99D	.16T	216.4	1.6	120.2	75.5	306.8	14.4
			171.8	80.7	.98S	.20T	79.9	78.4	.99D	.17T	215.7	1.6	119.7	75.0	306.1	14.9
ROTATION ABOUT A,C,B AXIS																
	0		171.8	80.7	.98S	.20T	79.9	78.4	.99D	.17T	215.7	1.6	119.7	75.0	306.1	14.9
	1.8		171.8	80.7	.98S	.17T	80.2	80.2	.99D	.16T	215.9	.3	124.5	76.4	306.0	13.6
	-22.4		347.2	77.4	.98S	.21N	79.9	78.4	.97D	.22N	213.6	17.3	31.2	72.7	123.4	.7
	11.2		174.2	69.7	.98S	.21T	79.9	78.4	.94D	.35T	38.2	5.9	141.9	66.4	305.7	22.8
	-0.3		172.1	80.7	.98S	.20T	80.2	78.4	.99D	.16T	215.7	1.6	119.7	75.0	306.1	14.9
	7.2		164.6	79.3	.98S	.18T	72.7	79.7	.98D	.19T	28.7	.3	119.7	75.0	298.6	15.0
			CONE A		16 EXA	.78	CONE C		4 EXC	.76			CONE B		8 EXB	.95

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* DECEMBER 28, 1951 H = 09.20.26 16.9N 98.7W DEPTH NORMAL

RITSEMA, A.R. 1961 GEOPHYS. JOUR., 5, 254.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		42-9	223	80			43	10					133	0		
	79.7	44-9-8	6.8	75.0	.93S	.36N	102.5	69.4	.96D	.28N	233.8	25.6	63.4	64.1	325.6	3.8
			11.0	78.6	.92S	.38N	105.6	68.1	.98D	.21N	236.6	23.8	75.3	65.0	329.7	7.1
ROTATION ABOUT A,C,B AXIS																
	-8.6		11.0	78.6	.86S	.51N	107.7	59.7	.97D	.23N	235.2	29.8	82.7	57.2	332.5	12.5
	8.6		11.0	78.6	.97S	.24N	103.7	76.5	.98D	.20N	237.0	17.7	62.0	72.2	327.5	1.4
	-4.8		9.1	74.2	.92S	.39N	105.6	68.1	.96D	.29N	236.1	27.1	66.1	62.5	328.2	4.1
	3.6		12.4	81.9	.93S	.38N	105.6	68.1	.99D	.15N	237.1	21.3	83.3	66.5	330.8	9.4
	-16.0		26.4	73.0	.95S	.32N	122.0	72.3	.95D	.31N	254.1	25.0	75.3	65.0	344.3	.5
	.1		10.9	78.6	.92S	.38N	105.5	68.1	.98D	.21N	236.6	23.8	75.3	65.0	329.7	7.1
			CONE A		12 EXA	.48	CONE C		17 EXC	.06			CONE B		12 EXB	.51

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
76.2	44-10-9	2.1	75.9	.03S	1.00N	174.1	14.2	.13D	.99N	184.8	59.1	91.6	1.9	.5	30.9
		356.1	82.5	.02S	1.00N	168.7	7.6	.13D	.99N	177.3	52.5	86.0	1.0	355.2	37.5
ROTATION ABOUT A,C,B AXIS															
-27.8		356.1	82.5	.45D	.89N	251.6	27.8	.96S	.28N	148.8	45.9	269.9	26.6	18.3	32.2
24.6		356.1	82.5	.43S	.90N	101.4	26.6	.96D	.29N	202.3	46.5	82.5	25.3	334.8	32.7
-16.0		340.0	82.5	.02D	1.00N	168.7	7.6	.15S	.99N	158.7	52.5	250.1	1.1	340.9	37.5
1.0		357.1	82.5	.02S	1.00N	168.7	7.6	.14D	.99N	178.4	52.5	87.0	1.1	356.2	37.5
-4.8		356.2	77.7	.02S	1.00N	171.6	12.4	.08D	1.00N	177.6	57.3	86.0	1.0	355.4	32.7
.2		356.1	82.7	.02S	1.00N	168.5	7.4	.13D	.99N	177.3	52.3	86.0	1.0	355.2	37.7
		CONE A	9 EXA	.71		CONE C	16 EXC	.90				CONE B	30 EXB	.68	

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FEBRUARY 11, 1952 H = 07.01.05 5.5S 109.8E DEPTH 660 KM. M = 7
RITSEMA, A.R. 1956 LEM. MET. GEOFIS. VER. NO. 50.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		67	274	64			18	64								
	81.8	67-11-10	269.4	64.2	.88S	.48N	12.8	64.3	.88D	.48N	141.1	37.9	321.0	52.1	51.1	.1
			201.0	39.3	.30D	.95N	43.2	52.9	.24S	.97N	271.8	77.0	124.8	11.0	33.4	6.9
ROTATION ABOUT A,C,B AXIS																
-27.8			201.0	39.3	.71D	.70N	73.6	63.6	.50S	.86N	298.2	59.5	149.1	26.8	52.2	13.5
27.8			201.0	39.3	.18S	.98N	7.9	51.4	.14D	.99N	146.5	81.1	283.0	6.5	13.7	6.1
-28.8			166.4	54.1	.67D	.75N	43.2	52.9	.68S	.74N	285.6	57.3	104.1	32.7	194.5	.7
64.0			286.5	59.3	.71S	.70N	43.2	52.9	.77D	.64N	161.4	52.0	349.1	37.7	256.2	3.8
-12.8			192.6	27.3	.42D	.91N	39.9	65.3	.21S	.98N	242.7	67.4	124.8	11.0	30.9	19.4
12.8			205.9	51.6	.24D	.97N	47.9	40.5	.29S	.96N	332.6	77.6	124.8	11.0	215.9	5.6
			CONE A	49 EXA	.72		CONE C	38 EXC	.54				CONE B	72 EXB	.40	

217
FEBRUARY 14, 1952 H = 03.38.15 7.7S 126.5E DEPTH NORMAL M = 7.2
RITSEMA, A.R. 1956 LEM. MET. GEOFIS. VER. NO. 50.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
		67	37	87			306	74								
	77.3	67-11-9	297.6	75.8	.99S	.12N	29.2	83.5	.97D	.25N	164.1	14.7	323.2	74.3	72.7	5.4
			297.0	74.6	.99S	.12N	28.9	83.2	.96D	.27N	163.8	15.8	322.0	73.1	72.1	6.0
ROTATION ABOUT A,C,B AXIS																
0			297.0	74.6	.99S	.12N	28.9	83.2	.96D	.27N	163.8	15.8	322.0	73.1	72.1	6.0
.8			297.0	74.6	.99S	.11N	28.6	84.0	.96D	.27N	163.8	15.2	319.4	73.4	72.0	6.5
-1.0			296.8	73.6	.99S	.12N	28.9	83.2	.96D	.28N	163.9	16.5	320.6	72.1	71.9	6.7
4.0			297.5	78.5	.99S	.12N	28.9	83.2	.98D	.20N	163.7	13.0	329.0	76.6	72.9	3.3
-2.8			299.9	74.2	.99S	.11N	31.6	83.9	.96D	.27N	166.6	15.4	322.0	73.1	74.8	6.7
.5			296.5	74.6	.99S	.13N	28.4	83.1	.96D	.27N	163.5	15.8	322.0	73.1	71.8	5.9
			CONE A	4 EXA	.34		CONE C	2 EXC	.76				CONE B	2 EXB	.84	

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FEBRUARY 25, 1952 H = 01.17.00 17S 173.5W DEPTH NORMAL M = 6.9
(HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 171.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		61-12	38	72			307	87					28	72		
	76.5	61-17-	301.4	84.2	1.00S	.03N	31.6	88.5	.99D	.10N	166.6	5.2	316.0	84.0	76.3	3.0
			302.1	83.7	1.00S	.03N	32.3	88.4	.99D	.11N	167.4	5.6	316.5	83.5	77.1	3.3
ROTATION ABOUT A,C,B AXIS																
	-2.2		302.1	83.7	1.00S	.07N	32.6	86.2	.99D	.11N	167.4	7.1	333.4	82.7	77.2	1.7
	.8		302.1	83.7	1.00S	.01N	32.2	89.2	.99D	.11N	167.3	5.0	309.4	83.7	77.0	3.9
	-0.3		302.1	83.4	1.00S	.03N	32.3	88.4	.99D	.11N	167.3	5.8	315.8	83.2	77.0	3.5
	.8		302.2	84.5	1.00S	.03N	32.3	88.4	1.00D	.10N	167.4	5.0	318.5	84.3	77.1	2.7
	-3.6		305.8	83.6	1.00S	.02N	35.9	88.8	.99D	.11N	171.0	5.4	316.5	83.5	80.7	3.7
	3.6		298.5	83.8	1.00S	.03N	28.7	88.0	.99D	.11N	163.7	5.8	316.5	83.5	73.4	3.0
			CONE A		3 EXA	.85	CONE C		5 EXC	.58			CONE B		2 EXB	.63

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	74.2	61-17-	322.2	76.0	.73S	.68T	219.5	48.6	.95D	.32T	354.9	17.3	246.7	45.2	99.9	39.7
			358.3	43.2	.13S	.99T	188.7	47.3	.12D	.99T	183.7	2.1	273.9	5.2	72.2	84.4
ROTATION ABOUT A,C,B AXIS																
	-56.6		358.3	43.2	.75D	.66T	120.7	63.3	.58S	.82T	145.3	11.4	48.3	31.1	253.0	56.4
	24.6		358.3	43.2	.53S	.85T	219.2	54.6	.45D	.89T	200.6	6.1	293.0	21.4	95.6	67.7
	-51.2		301.5	67.3	.68S	.74T	188.7	47.3	.85D	.53T	330.7	11.9	231.0	38.7	74.7	48.8
	64.0		74.9	66.4	.67D	.74T	188.7	47.3	.84S	.55T	45.9	11.3	144.9	38.0	302.2	49.7
	-25.6		1.8	68.6	.10S	1.00T	196.9	22.0	.24D	.97T	6.2	23.4	273.9	5.2	172.1	65.9
	16.0		353.8	27.4	.20S	.98T	186.5	63.2	.10D	.99T	182.2	18.0	273.9	5.2	19.4	71.2
			CONE A		69 EXA	.64	CONE C		58 EXC	.49			CONE B		97 EXB	.30

219
MARCH 4, 1952 H = 03.49.03 42.1N 143.9E DEPTH 40 KM.
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA		74	106	5			286	85					196	0		
	80.8	74-12-11	161.8	4.4	.73S	.68N	294.8	87.0	.06D	1.00N	111.5	47.9	205.0	3.2	297.9	41.9
			161.4	4.4	.73S	.68N	294.5	87.0	.06D	1.00N	111.2	47.9	204.7	3.2	297.6	41.9
ROTATION ABOUT A,C,B AXIS																
	-1.4		161.4	4.4	.71S	.70N	295.9	86.9	.05D	1.00N	112.7	48.0	206.1	3.1	298.9	41.8
	.8		161.4	4.4	.74S	.67N	293.7	87.0	.06D	1.00N	110.4	47.9	203.9	3.2	296.8	41.9
	-2.8		122.2	3.0	.13S	.99N	294.5	87.0	.01D	1.00N	114.1	48.0	204.5	.4	294.9	42.0
	.4		164.8	4.7	.77S	.64N	294.5	87.0	.06D	1.00N	110.7	47.9	204.7	3.6	297.9	41.9
	-0.5		166.6	4.1	.79S	.62N	294.5	87.5	.06D	1.00N	111.2	47.4	204.7	3.2	297.6	42.4
	1.8		148.3	5.8	.56S	.83N	294.4	85.2	.06D	1.00N	110.9	49.7	204.7	3.2	297.4	40.1
			CONE A		3 EXA	.28	CONE C		2 EXC	.04			CONE B		3 EXB	.31

220
MARCH 7, 1952 H = 07.32.38 36.5N 136.2E DEPTH 20 KM. M = 6.5
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA		81	69	79			160	86					92	78		
	93.9	81-6-6	245.2	89.0	.95S	.31N	335.6	71.8	1.00D	.02N	108.9	13.5	332.2	71.8	201.9	12.0
			247.3	88.9	.96S	.29N	337.6	73.2	1.00D	.02N	111.2	12.6	333.6	73.2	203.6	11.0
ROTATION ABOUT A,C,B AXIS																
	-2.2		247.3	88.9	.95S	.32N	337.7	71.0	1.00D	.02N	110.9	14.1	334.1	71.0	204.1	12.5
	10.2		247.3	88.9	.99S	.11N	337.4	83.4	1.00D	.02N	112.0	5.4	327.7	83.3	202.4	3.9
	-1.4		246.9	87.5	.96S	.29N	337.6	73.2	1.00D	.04N	111.2	13.5	328.8	73.1	203.6	9.9
	.4		247.4	89.3	.96S	.29N	337.6	73.2	1.00D	.01N	111.2	12.3	335.0	73.2	203.7	11.3
	-0.1		247.4	88.9	.96S	.29N	337.7	73.2	1.00D	.02N	111.2	12.6	333.6	73.2	203.6	11.0
	4.8		62.7	89.7	.96S	.29T	332.6	73.2	1.00D	0T	106.3	11.6	333.6	73.2	198.8	12.0
			CONE A		3 EXA	.63	CONE C		8 EXC	.60			CONE B		5 EXB	.85

221
MARCH 19, 1952 H = 10.57.09 9.5N 126E DEPTH NORMAL M = 7.5
RITSEMA, A.R. 1956 LEM. MET. GEOFIS. VER. NO. 50.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		77	48	53			282	52								
	81.0	77-15-12	297.8	33.9	.62S	.79N	74.3	64.0	.38D	.92N	216.4	63.7	354.6	20.2	90.7	16.1
			290.1	40.6	.04D	1.00N	113.5	49.4	.04S	1.00N	313.2	85.3	202.1	1.7	112.0	4.4
ROTATION ABOUT A,C,B AXIS																
	-31.0		290.1	40.6	.55D	.83N	151.3	57.2	.43S	.90N	22.0	67.0	226.9	21.1	133.5	8.9
	43.8		290.1	40.6	.66S	.75N	61.0	60.7	.49D	.87N	193.2	62.0	346.5	25.4	81.8	11.0
	-5.6		281.6	41.2	.16D	.99N	113.5	49.4	.14S	.99N	343.2	82.8	198.4	5.9	108.0	4.1
	.3		290.6	40.6	.04D	1.00N	113.5	49.4	.03S	1.00N	309.9	85.4	202.3	1.4	112.2	4.4
	-5.6		289.7	35.0	.05D	1.00N	113.3	55.0	.04S	1.00N	301.7	79.9	202.1	1.7	111.8	10.0
	.3		290.2	40.9	.04D	1.00N	113.5	49.1	.04S	1.00N	314.6	85.6	202.1	1.7	112.0	4.1
			CONE A		6 EXA-0.00		CONE C		21 EXC	.92			CONE B		21 EXB	.92

222
* APRIL 28, 1952 H = 10.54.23 42.0N 142.8E DEPTH 50 KM. M = 6.5
RITSEMA, A.R. 1964 PURE AND APPLIED GEOPHYS., 59, 58 DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA			208	20			107	86					196	20		
	89.6	38-3-3	320.0	81.3	.74S	.67N	57.9	48.2	.98D	.20N	179.8	35.3	40.6	46.9	285.9	21.4
			321.3	82.2	.74S	.67N	58.2	48.3	.98D	.18N	180.8	34.5	42.8	47.2	286.9	22.0
ROTATION ABOUT A,C,B AXIS																
	-7.0		321.3	82.2	.65S	.76N	60.2	41.4	.98D	.20N	177.6	38.8	44.6	40.3	290.4	25.8
	6.2		321.3	82.2	.81S	.59N	56.9	54.4	.99D	.17N	182.9	30.5	40.7	53.3	284.2	18.4
	-3.2		319.1	79.9	.74S	.68N	58.2	48.3	.97D	.24N	179.4	36.5	38.2	46.5	285.3	20.3
	1.0		321.9	83.0	.74S	.67N	58.2	48.3	.99D	.16N	181.0	33.9	44.2	47.4	287.3	22.6
	-0.3		321.5	82.0	.74S	.67N	58.6	48.3	.98D	.19N	181.1	34.7	42.8	47.2	287.2	21.8
	4.0		318.3	84.9	.74S	.68N	52.9	47.7	.99D	.12N	176.5	32.6	42.8	47.2	283.4	24.4
			CONE A		4 EXA	.02	CONE C		8 EXC	.67			CONE B		7 EXB	.68

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	87.2	38-4-4	298.1	88.5	.01S	1.00N	96.3	1.6	.37D	.93N	118.7	46.5	28.1	.6	297.5	43.5
			112.9	85.8	.02S	1.00T	307.1	4.4	.25D	.97T	113.8	40.8	22.9	1.1	291.6	49.2
ROTATION ABOUT A,C,B AXIS																
	-1.0		112.9	85.8	0S	1.00T	293.8	4.2	.02D	1.00T	113.0	40.8	22.9	.1	292.8	49.2
	6.2		112.9	85.8	.13S	.99T	352.9	8.4	.86D	.50T	119.7	40.4	23.4	7.3	285.0	48.7
	-12.8		100.0	86.1	.03S	1.00T	307.1	4.4	.45D	.89T	101.9	41.1	10.2	2.0	277.9	48.9
	1.4		114.3	85.8	.02S	1.00T	307.1	4.4	.22D	.98T	115.2	40.8	24.3	1.0	293.1	49.2
	-9.6		293.0	84.6	.02S	1.00N	101.7	5.5	.20D	.98N	114.2	50.4	22.9	1.1	292.0	39.6
	.2		112.9	85.6	.02S	1.00T	306.5	4.5	.24D	.97T	113.8	40.6	22.9	1.1	291.6	49.4
			CONE A		12 EXA	.31	CONE C		8 EXC	.27	CONE B		10 EXB		.49	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	88.3	38-4-4	106.0	86.2	.02S	1.00T	306.3	4.1	.35D	.94T	107.3	41.2	16.1	1.4	284.5	48.8
			106.5	84.9	.04S	1.00T	308.3	5.5	.37D	.93T	108.4	39.9	16.7	2.0	284.3	50.1
ROTATION ABOUT A,C,B AXIS																
	-10.2		106.5	84.9	.14D	.99T	228.4	9.6	.85S	.53T	99.1	39.4	195.8	8.1	295.4	49.5
	6.2		106.5	84.9	.14S	.99T	344.9	9.7	.85D	.53T	114.1	39.4	17.3	8.2	277.6	49.5
	-7.2		99.3	85.2	.05S	1.00T	308.3	5.5	.48D	.88T	101.7	40.1	9.5	2.6	276.4	49.7
	.4		106.9	84.9	.03S	1.00T	308.3	5.5	.36D	.93T	108.8	39.9	17.1	2.0	284.7	50.1
	-5.6		286.7	89.5	.04S	1.00N	30.2	2.1	.97D	.23N	108.7	45.5	16.7	2.0	284.7	44.5
	.1		106.5	84.8	.04S	1.00T	307.9	5.6	.36D	.93T	108.4	39.8	16.7	2.0	284.3	50.2
			CONE A		7 EXA	.25	CONE C		10 EXC	.65	CONE B		11 EXB		.54	

223

MAY 8, 1952 H = 00.58.40 35.5N 140.2E DEPTH 55 KM. M = 6.3

ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA		32	135	40			296	53					216	12		
	85.4	32-5-5	355.4	24.3	.11S	.99N	168.8	65.8	.05D	1.00N	343.3	69.1	79.9	2.5	170.8	20.8
			348.0	28.0	.91S	.42N	168.0	62.0	.75D	.66N	348.0	73.0	78.0	0.0	168.0	17.0
ROTATION ABOUT A,C,B AXIS																
	-2.2		348.0	28.0	.04D	1.00N	170.5	62.1	.02S	1.00N	353.3	72.9	260.0	1.0	169.7	17.0
	.2		348.0	28.0	.00S	1.00N	167.8	62.0	.00D	1.00N	347.5	73.0	77.8	.1	167.9	17.0
	-2.4		342.9	28.1	.08D	1.00N	168.0	62.0	.04S	1.00N	353.8	72.9	256.9	2.1	166.3	17.0
	4.0		356.5	28.2	.13S	.99N	168.0	62.0	.07D	1.00N	338.5	72.7	79.9	3.5	171.0	16.9
	-6.4		348.0	21.6	.94S	.35N	168.0	68.4	.73D	.68N	348.0	66.6	78.0	0.0	168.0	23.4
	.9		348.0	28.9	.90S	.43N	168.0	61.1	.75D	.66N	348.0	73.9	78.0	0.0	168.0	16.1
			CONE A		7 EXA	.12	CONE C		4 EXC	.67	CONE B		4 EXB		.62	

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
83.4	32-5-5	77.6	23.6	.64S	.77N	215.2	72.1	.27D	.96N	12.8	59.9	130.1	14.9	227.4	25.5
		79.0	24.6	.65S	.76N	215.3	71.6	.29D	.96N	11.4	60.0	130.7	15.8	228.2	24.8
ROTATION ABOUT A,C,B AXIS															
-24.6		79.0	24.6	.28S	.96N	241.1	66.4	.13D	.99N	47.4	67.8	154.1	6.7	246.7	21.1
2.6		79.0	24.6	.69S	.73N	212.7	72.4	.30D	.95N	8.4	58.9	128.2	16.7	226.4	25.4
-9.6		56.9	19.6	.35S	.94N	215.3	71.6	.12D	.99N	24.4	62.7	127.6	6.7	220.9	26.3
1.8		82.1	25.8	.69S	.72N	215.3	71.6	.32D	.95N	9.3	59.3	131.3	17.5	229.5	24.4
-4.8		87.7	21.2	.75S	.66N	216.7	76.2	.28D	.96N	16.0	55.9	130.7	15.8	229.9	29.4
1.4		76.8	25.7	.63S	.78N	214.9	70.3	.29D	.96N	9.8	61.1	130.7	15.8	227.8	23.5
		CONE A		8 EXA	.46	CONE C		13 EXC	.77			CONE B		18 EXB	.58

224
MAY 8, 1952 H = 21.10.40 2.5N 127E DEPTH NORMAL M = 6.7
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		13-3	24	82			293	86					356	81		
ALTER.		13-3	45	88			324	55					328	35		
	93.7	14-1	51.6	89.3	.99S	.14T	321.5	81.9	1.00D	.01T	96.3	5.2	326.5	81.9	186.8	6.2
			34.4	86.2	.99S	.15T	303.8	81.3	1.00D	.07T	79.0	3.4	327.9	80.5	169.5	8.8
ROTATION ABOUT A,C,B AXIS																
-8.6			34.4	86.2	.95S	.30T	303.2	72.7	1.00D	.07T	77.7	9.4	316.5	72.3	170.2	14.9
7.0			34.4	86.2	1.00S	.03T	304.3	88.3	1.00D	.07T	259.5	1.5	10.3	85.8	169.4	3.9
-4.0			213.8	89.9	.99S	.15N	303.8	81.3	1.00D	0N	78.2	6.2	302.9	81.3	168.9	6.1
3.2			34.9	83.0	.99S	.15T	303.8	81.3	.99D	.12T	79.2	1.2	343.2	78.8	169.5	11.1
-19.2			53.4	89.2	.99S	.16T	323.2	80.5	1.00D	.01T	97.7	6.1	327.9	80.5	188.5	7.2
5.6			28.8	85.3	.99S	.14T	298.2	81.7	1.00D	.08T	73.1	2.5	327.9	80.5	163.5	9.2
			CONE A		13 EXA	.71	CONE C		20 EXC	.37			CONE B		11 EXB	.54

225
MAY 9, 1952 H = 17.47.41 6.5S 155E DEPTH 100 KM. M = 7.0
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 171.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		59-13	27	72			128	56					93	50		
	77.7	59-13-11	315.6	89.3	1.00S	.07N	45.6	86.0	1.00D	.01N	180.8	3.4	35.9	85.9	270.9	2.4
			314.7	89.1	1.00S	.09N	44.8	84.6	1.00D	.02N	180.1	4.5	35.7	84.5	270.3	3.2
ROTATION ABOUT A,C,B AXIS																
0			314.7	89.1	1.00S	.09N	44.8	84.6	1.00D	.02N	180.1	4.5	35.7	84.5	270.3	3.2
1.4			314.7	89.1	1.00S	.07N	44.8	86.0	1.00D	.02N	180.3	3.5	32.7	85.9	270.5	2.2
0			314.7	89.1	1.00S	.09N	44.8	84.6	1.00D	.02N	180.1	4.5	35.7	84.5	270.3	3.2
1.4			134.9	89.5	1.00S	.09T	44.8	84.6	1.00D	.01T	180.0	3.5	50.4	84.5	270.2	4.2
-2.8			317.5	88.9	1.00S	.09N	47.6	84.6	1.00D	.02N	182.1	4.6	35.7	84.5	272.4	3.0
.6			314.1	89.2	1.00S	.09N	44.2	84.6	1.00D	.01N	179.0	4.4	35.7	84.5	269.3	3.3
			CONE A		2 EXA	.59	CONE C		2 EXC	.59			CONE B		1 EXB	.00

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	77.1	59-14-12	124.9	63.2	.94S	.35T	25.5	72.0	.88D	.47T	346.7	5.8	85.6	56.9	253.0	32.5
			158.7	64.8	.02D	1.00T	335.5	25.2	.05S	1.00T	157.7	19.8	248.1	1.2	341.4	70.2
ROTATION ABOUT A,C,B AXIS																
	-56.6		158.7	64.8	.85D	.53T	263.6	61.3	.87S	.49T	121.9	2.2	214.5	50.1	30.0	39.8
	63.0		158.7	64.8	.88S	.47T	55.7	64.5	.88D	.47T	197.2	.2	106.9	52.8	287.3	37.2
	-51.2		104.3	73.5	.33S	.94T	335.5	25.2	.75D	.66T	119.5	26.0	20.0	18.6	258.6	57.2
	64.0		224.4	80.4	.40D	.92T	335.5	25.2	.92S	.39T	205.1	31.4	310.2	23.1	69.9	49.2
	-22.4		158.2	87.2	.02D	1.00T	314.5	3.1	.40S	.92T	157.0	42.2	248.1	1.2	339.4	47.8
	9.6		159.0	55.2	.03D	1.00T	336.3	34.8	.04S	1.00T	157.9	10.2	248.1	1.2	344.7	79.7
			CONE A	61 EXA	.72		CONE C	62 EXC	.73				CONE B	117 EXB	.04	

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MAY 28, 1952 H = 07.59.09 35.1N 135.8E DEPTH 370 KM. M = 6.8

ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA		77	282	68			183	65					228	55		
	89.4	77-11-10	182.7	68.5	.87S	.50N	284.7	62.3	.91D	.41N	51.9	36.0	240.3	53.7	144.9	4.0
			182.6	68.9	.88S	.48N	283.6	63.6	.92D	.40N	51.6	34.7	238.9	55.1	144.0	3.4
ROTATION ABOUT A,C,B AXIS																
	-7.0		182.6	68.9	.81S	.58N	287.0	57.3	.90D	.43N	50.9	39.6	245.7	49.5	147.0	7.3
	4.6		182.6	68.9	.91S	.40N	281.6	67.9	.92D	.39N	51.8	31.4	233.3	58.6	142.2	.7
	-2.8		181.1	66.4	.87S	.48N	283.6	63.6	.89D	.45N	51.6	36.6	235.3	53.3	142.9	1.8
	5.6		185.4	73.8	.89S	.46N	283.6	63.6	.95D	.31N	52.2	30.7	247.2	58.4	146.2	6.7
	-0.6		183.1	68.6	.88S	.47N	284.2	63.9	.91D	.41N	52.4	34.7	238.9	55.1	144.5	3.0
	4.0		178.9	70.8	.87S	.50N	279.5	62.1	.93D	.37N	46.9	34.3	238.9	55.1	140.8	5.6
			CONE A	6 EXA	.45		CONE C	7 EXC	.60				CONE B	10 EXB	.28	

WITH ADDITIONAL DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	87.4	98-13-12	183.5	67.1	.87S	.50N	286.1	62.6	.90D	.44N	53.5	36.8	239.5	53.0	145.7	2.9
			182.6	67.2	.86S	.51N	285.4	62.2	.90D	.44N	52.6	37.1	239.2	52.7	145.0	3.2
ROTATION ABOUT A,C,B AXIS																
	-4.6		182.6	67.2	.82S	.57N	287.7	58.1	.89D	.46N	52.2	40.3	243.7	49.1	147.1	5.7
	6.2		182.6	67.2	.91S	.41N	282.4	67.8	.91D	.42N	52.8	32.7	231.9	57.3	322.5	.4
	-1.4		181.8	66.0	.86S	.51N	285.4	62.2	.89D	.46N	52.4	38.1	237.4	51.8	144.3	2.4
	6.4		186.0	72.8	.87S	.49N	285.4	62.2	.94D	.33N	53.1	32.6	248.1	56.5	147.5	6.9
	-0.8		183.3	66.8	.87S	.50N	286.2	62.5	.90D	.44N	53.5	37.2	239.2	52.7	145.6	2.7
	5.6		177.4	70.2	.85S	.53N	279.5	59.9	.92D	.39N	45.5	36.5	239.2	52.7	140.4	6.6
			CONE A	7 EXA	.18		CONE C	8 EXC	.41				CONE B	9 EXB	.28	

227
JUNE 22, 1952 H = 21.41.53 46N 153.5E DEPTH NORMAL M = 7
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 219.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		67-17	111	82			19	77					53	74		
	79.2	67-15-11	157.5	86.5	.92S	.39T	66.0	67.2	1.00D	.07T	199.5	13.3	75.7	66.9	294.1	18.5
			158.1	86.1	.91S	.42T	66.3	65.2	1.00D	.08T	199.6	14.4	76.5	64.9	295.0	20.1
ROTATION ABOUT A,C,B AXIS																
	-1.4		158.1	86.1	.90S	.44T	66.2	63.8	1.00D	.08T	199.3	15.3	76.0	63.5	295.3	21.1
	2.6		158.1	86.1	.93S	.38T	66.5	67.8	1.00D	.07T	200.3	12.7	77.6	67.4	294.6	18.4
	-4.0		156.4	89.7	.91S	.42T	66.3	65.2	1.00D	.01T	198.5	17.0	67.0	65.2	294.1	17.5
	2.0		159.0	84.3	.91S	.42T	66.3	65.2	.99D	.11T	200.2	13.1	81.1	64.5	295.5	21.5
	-0.5		158.6	86.3	.91S	.42T	66.9	65.2	1.00D	.07T	200.1	14.5	76.5	64.9	295.5	20.0
	2.4		155.9	85.1	.91S	.42T	63.7	65.4	1.00D	.09T	197.3	13.5	76.5	64.9	292.6	20.7
			CONE A		4 EXA	.52	CONE C		3 EXC	.27			CONE B		5 EXB	.33

228
JULY 13, 1952 H = 11.58.34 18.5S 169.5E DEPTH 350 KM. M = 7
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 171.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		69-17	9	69			106	70					57	61		
	76.5	69-18-14	275.8	75.2	1.00S	.04N	6.4	87.7	.97D	.26N	142.0	12.1	285.0	75.0	50.1	8.8
			281.2	72.1	1.00S	.03N	11.7	88.4	.95D	.31N	147.9	13.7	286.7	72.0	55.0	11.4
ROTATION ABOUT A,C,B AXIS																
	-1.4		281.2	72.1	1.00S	.05N	12.1	87.0	.95D	.31N	148.1	14.7	291.2	71.9	55.3	10.4
	3.0		281.2	72.1	1.00S	.02T	190.8	88.8	.95D	.31T	147.4	11.7	277.0	72.1	54.6	13.4
	-3.2		281.1	68.9	1.00S	.03N	11.7	88.4	.93D	.36N	148.4	15.9	285.9	68.8	54.4	13.6
	9.6		281.5	81.7	1.00S	.03N	11.7	88.4	.99D	.14N	146.9	7.0	292.7	81.5	56.3	4.7
	-4.0		285.4	72.0	1.00S	.01N	15.5	89.6	.95D	.31N	151.9	12.9	286.7	72.0	59.0	12.3
	3.2		277.8	72.2	1.00S	.05N	8.7	87.4	.95D	.31N	144.6	14.4	286.7	72.0	51.9	10.6
			CONE A		10 EXA	.44	CONE C		6 EXC	.39			CONE B		8 EXB	.66

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
74.6	69-19-15	254.9	76.6	.99S	.13T	163.2	82.8	.97D	.23T	119.8	4.3	225.8	74.7	28.6	14.6
		322.6	31.5	.29S	.96T	161.9	60.0	.17D	.98T	154.7	14.4	246.9	8.6	6.7	73.1
ROTATION ABOUT A,C,B AXIS															
-37.4		322.6	31.5	.35D	.94T	118.6	60.8	.21S	.98T	127.6	15.0	34.7	10.7	270.4	71.5
63.0		322.6	31.5	.98S	.18T	223.7	84.6	.52D	.86T	198.1	32.4	310.5	30.9	73.2	42.0
-64.0		260.1	76.1	.86S	.52T	161.9	60.0	.96D	.28T	298.1	10.6	191.8	56.3	34.7	31.6
64.0		52.0	59.4	.81D	.58T	161.9	60.0	.81S	.59T	196.9	.4	106.5	44.5	287.2	45.5
-16.0		328.8	47.0	.20S	.98T	165.8	44.3	.21D	.98T	337.1	1.4	246.9	8.6	76.1	81.3
25.6		276.1	9.8	.88S	.48T	157.6	85.3	.15D	.99T	149.7	39.7	246.9	8.6	346.9	49.0
		CONE A		73 EXA	.67	CONE C		65 EXC	.59			CONE B		113 EXB	.22

229
JULY 13, 1952 H = 17.34.30 3.1S 127.4E DEPTH NORMAL M = 6.8
RITSEMA, A.R. 1956 LEM. MET. GEOFIS. VER. NO. 50.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	DIP	COMPONENT STRIKE	DIP	PLANE C AZ	DIP	COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
RITSEMA		33	301	26			73	72								
	79.2	33-8-6	174.4	65.0	.95S	.32T	76.3	73.2	.90D	.44T	36.7	5.4	135.9	59.2	303.6	30.2
			174.6	64.2	.94S	.34T	75.6	72.1	.89D	.46T	36.5	5.2	134.8	57.8	303.3	31.7
ROTATION ABOUT A,C,B AXIS																
	-5.4		174.6	64.2	.90S	.43T	73.0	67.3	.88D	.47T	34.4	2.0	127.2	54.4	303.0	35.5
	1.8		174.6	64.2	.95S	.31T	76.5	73.7	.89D	.45T	37.1	6.3	137.6	58.8	303.4	30.4
	-9.6		171.2	73.2	.95S	.32T	75.6	72.1	.95D	.30T	213.2	.7	121.6	65.1	303.5	24.9
	89.6		314.4	31.9	.81D	.58T	75.6	72.1	.45S	.89T	95.9	22.5	354.5	25.4	222.0	54.9
	-8.0		182.8	67.1	.92S	.40T	83.3	68.6	.91D	.42T	43.2	1.0	134.8	57.8	312.6	32.2
	.8		173.8	63.9	.94S	.34T	74.9	72.5	.89D	.46T	35.8	5.6	134.8	57.8	302.3	31.6
			CONE A	30 EXA	.91		CONE C	8 EXC	.18				CONE B	27 EXB	.93	

230
JULY 17, 1952 H = 16.09.52 34.5N 135.6E DEPTH 70 KM. M = 7
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	DIP	COMPONENT STRIKE	DIP	PLANE C AZ	DIP	COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
ICHIKAWA		107	165	68			69	72					121	60		
	88.4	107-16-14	47.4	67.3	.69S	.72N	159.2	48.4	.86D	.52N	274.5	48.0	117.0	39.8	17.4	11.3
			47.7	67.0	.70S	.72N	159.7	48.6	.85D	.52N	275.1	48.1	117.0	39.8	17.7	11.0
ROTATION ABOUT A,C,B AXIS																
	-0.4		47.7	67.0	.69S	.72N	159.9	48.2	.85D	.52N	275.0	48.3	117.3	39.5	17.9	11.2
	1.4		47.7	67.0	.71S	.70N	158.7	49.8	.86D	.51N	275.6	47.1	116.1	41.0	16.9	10.4
	-0.4		47.4	66.7	.69S	.72N	159.7	48.6	.85D	.53N	275.1	48.4	116.6	39.6	17.5	10.8
	2.4		49.5	68.7	.70S	.71N	159.7	48.6	.87D	.48N	275.8	46.4	119.7	41.0	18.9	12.2
	-0.3		47.9	66.8	.70S	.72N	160.0	48.7	.85D	.52N	275.5	48.2	117.0	39.8	17.8	10.8
	.8		47.1	67.6	.69S	.72N	158.8	48.2	.86D	.51N	273.9	47.8	117.0	39.8	17.1	11.7
			CONE A	2 EXA	.61		CONE C	1 EXC	.39				CONE B	2 EXB	.36	

231
JULY 21, 1952 H = 11.52.11 35.0N 119.0W DEPTH NORMAL M = 7.5
BENIOFF, H. ET AL. 1954 AM. GEOPH. UN., TRANS., 35, 979.
BATH, M. AND RICHTER, C.F. 1958 BULL. SEIS. SOC. AM., 48, 133.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	DIP	COMPONENT STRIKE	DIP	PLANE C AZ	DIP	COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
BENIOFF		72	140	63			0	36					59	19		
	93.8	72-5-4	134.7	60.5	.02S	1.00T	316.6	29.5	.03D	1.00T	135.4	15.5	45.2	.8	312.3	74.5
			136.4	60.9	0S	1.00T	316.8	29.1	.01D	1.00T	136.6	15.9	46.5	.2	315.8	74.1
ROTATION ABOUT A,C,B AXIS																
	-1.0		136.4	60.9	.01D	1.00T	314.7	29.1	.03S	1.00T	135.8	15.9	226.0	.7	318.5	74.1
	31.0		136.4	60.9	.52S	.86T	7.6	41.7	.68D	.73T	158.3	10.6	62.8	26.9	267.8	60.8
	-4.0		131.8	61.0	.04S	1.00T	316.8	29.1	.08D	1.00T	133.6	16.0	43.0	2.1	305.7	73.9
	11.2		149.1	61.4	.10D	.99T	316.8	29.1	.19S	.98T	144.8	16.2	236.3	5.3	343.8	72.9
	-1.4		136.4	62.3	0S	1.00T	316.8	27.7	.01D	1.00T	136.6	17.3	46.5	.2	315.9	72.7
	4.0		136.3	56.9	0S	1.00T	316.7	33.1	.01D	1.00T	136.5	11.9	46.5	.2	315.6	78.1
			CONE A	9 EXA	.64		CONE C	13 EXC	.83				CONE B	22 EXB	.52	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	93.7	72-6-5	163.2	66.6	.42S	.91T	32.2	33.4	.69D	.72T	181.2	18.0	83.5	22.4	306.5	60.6
			167.6	55.2	.13D	.99T	334.2	35.5	.19S	.98T	162.1	9.9	253.2	6.3	15.2	78.2
ROTATION ABOUT A,C,B AXIS																
	-11.8		167.6	55.2	.33D	.94T	315.7	39.3	.43S	.90T	153.8	8.3	246.2	15.9	37.3	72.0
	31.0		167.6	55.2	.39S	.92T	24.6	41.0	.49D	.87T	184.0	7.5	91.4	18.9	294.6	69.6
	-28.8		132.7	56.4	.21S	.98T	334.2	35.5	.31D	.95T	141.4	10.6	49.5	10.2	276.6	75.2
	22.4		193.2	61.0	.37D	.93T	334.2	35.5	.55S	.84T	177.8	13.5	272.4	18.6	53.9	66.7
	-14.4		165.6	69.5	.12D	.99T	326.8	21.5	.30S	.95T	160.4	24.2	253.2	6.3	356.8	64.9
	16.0		171.0	39.4	.17D	.98T	338.1	51.3	.14S	.99T	343.9	6.0	253.2	6.3	117.1	81.3
			CONE A		39 EXA	.41	CONE C		36 EXC	.29			CONE B		47 EXB	.16

KERN COUNTY AFTERSHOCKS. NUMBERS AFTER BATH AND RICHTER.

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 40	76.9	8-2	133.5	85.6	.22S	.98N	242.5	13.3	.94D	.33N	326.7	47.9	222.5	12.5	122.0	39.3
			306.5	66.1	.88S	.47T	204.3	64.5	.89D	.45T	345.2	1.0	253.8	53.8	76.0	36.2
ROTATION ABOUT A,C,B AXIS																
	-43.8		306.5	66.1	.31S	.95T	165.4	29.7	.57D	.82T	320.0	19.1	224.1	16.5	96.1	64.3
	56.6		306.5	66.1	.88S	.48N	48.9	64.1	.89D	.45N	177.1	36.6	359.8	53.4	268.1	1.3
	-64.0		96.2	56.8	.86S	.51N	204.3	64.5	.80D	.61N	333.3	43.7	143.8	45.9	238.7	4.7
	51.2		357.8	28.0	.40S	.92T	204.3	64.5	.21D	.98T	195.3	18.7	289.0	10.9	47.8	68.2
	-25.6		329.3	79.6	.82S	.57T	232.2	55.7	.98D	.22T	6.4	15.7	253.8	53.8	106.3	31.7
	25.6		279.3	56.5	.97S	.26T	181.0	77.7	.83D	.56T	144.1	13.8	253.8	53.8	45.0	32.7
			CONE A		77 EXA	.56	CONE C		72 EXC	.49			CONE B		108 EXB	.13

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 46	100.0	14-0	161.3	89.2	.02S	1.00N	285.0	1.4	.83D	.55N	342.5	45.8	251.3	1.2	160.1	44.2
			161.5	89.1	.02S	1.00N	284.9	1.6	.84D	.55N	342.9	45.9	251.5	1.4	160.1	44.1
ROTATION ABOUT A,C,B AXIS																
	-1.4		161.5	89.1	0D	1.00N	344.3	.9	.05S	1.00N	341.5	45.9	71.5	0	161.5	44.1
	6.2		161.5	89.1	.13S	.99N	258.2	7.6	.99D	.12N	349.2	45.4	251.4	7.6	154.1	43.6
	-28.8		132.7	88.6	.01S	1.00N	284.9	1.6	.47D	.88N	313.5	46.4	222.7	.8	131.9	43.6
	51.2		32.7	89.5	.03S	1.00T	284.9	1.6	.95D	.31T	34.2	44.5	302.7	1.5	211.2	45.5
	-1.6		161.5	87.5	.02S	1.00N	312.9	2.8	.48D	.88N	343.0	47.5	251.5	1.4	160.2	42.5
	2.0		341.4	88.9	.02S	1.00T	212.3	1.8	.78D	.63T	342.8	43.9	251.5	1.4	160.0	46.1
			CONE A		17 EXA	.96	CONE C		5 EXC	.53			CONE B		25 EXB	.90

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 58	86.2	8-1	136.8	88.8	.14S	.99T	38.4	8.1	.99D	.15T	144.6	43.3	47.0	8.0	308.7	45.6
			314.0	90.0	.97S	.26N	44.0	75.2	1.00D	0N	177.9	10.4	43.9	75.2	269.9	10.4
ROTATION ABOUT A,C,B AXIS																
	-63.0		314.0	90.0	.21S	.98N	44.1	12.2	1.00D	0N	145.9	43.7	44.0	12.2	302.1	43.7
	75.8		314.0	90.0	.49S	.87T	223.9	29.0	1.00D	0T	339.9	38.2	224.0	29.0	108.1	38.2
	-64.0		286.3	29.6	.86S	.52N	44.0	75.2	.44D	.90N	193.4	52.7	321.1	25.0	64.1	25.7
	76.8		181.4	19.8	.65S	.76T	44.0	75.2	.23D	.97T	33.3	29.0	130.5	12.8	241.6	57.8
	-9.6		323.3	87.5	.97S	.25N	53.9	75.4	1.00D	.04N	187.8	12.1	43.9	75.2	279.6	8.5
	4.0		130.1	89.0	.97S	.26T	39.8	75.2	1.00D	.02T	174.0	9.7	43.9	75.2	266.0	11.1

CONE A 44 EXA .90 CONE C 43 EXC .90 CONE B 140 EXB .01

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 59	93.9	11-0	325.1	38.9	1.00S	.01N	55.7	89.5	.63D	.78N	204.5	33.0	326.1	38.9	88.8	33.8
			325.8	49.4	1.00S	.03N	57.1	88.5	.76D	.65N	199.3	28.6	328.8	49.4	93.8	26.2
ROTATION ABOUT A,C,B AXIS																
	-11.8		325.8	49.4	.97S	.24N	64.8	79.6	.75D	.66N	203.9	36.0	346.4	47.5	99.0	19.4
	15.0		325.8	49.4	.97S	.23T	227.2	80.1	.75D	.66T	192.9	19.8	306.2	47.7	88.0	35.6
	-38.4		319.6	11.1	.99S	.13N	57.1	88.5	.19D	.98N	225.9	45.4	327.3	11.0	67.6	42.5
	115.2		152.3	15.5	1.00S	.10T	57.1	88.5	.27D	.96T	42.6	41.5	146.7	15.4	252.4	44.4
	-11.2		340.5	50.0	.99S	.13T	245.6	84.2	.76D	.65T	209.9	22.5	328.8	49.4	105.0	31.7
	1.6		323.7	49.5	1.00S	.06N	55.8	87.5	.76D	.65N	197.8	29.3	328.8	49.4	92.4	25.4

CONE A 44 EXA .92 CONE C 19 EXC .52 CONE B 64 EXB .83

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 60	100.0	11-0	44.9	12.4	.97S	.26T	300.2	86.8	.21D	.98T	289.0	40.6	29.5	12.0	132.6	46.9
			36.2	51.1	1.00S	.05N	127.9	87.9	.78D	.63N	269.2	28.0	40.4	51.1	165.1	24.7
ROTATION ABOUT A,C,B AXIS																
	-63.0		36.2	51.1	.49S	.87T	258.4	47.4	.52D	.85T	56.7	2.0	325.9	22.7	151.4	67.2
	24.6		36.2	51.1	.89S	.46N	144.1	69.1	.74D	.67N	277.3	44.1	75.6	43.8	176.4	11.0
	-19.2		37.1	70.3	1.00S	.04N	127.9	87.9	.94D	.34N	264.1	15.3	43.6	70.2	170.7	12.3
	51.2		305.3	2.1	.04D	1.00N	127.9	87.9	0S	1.00N	308.0	47.1	217.9	.1	127.8	42.9
	-12.8		52.6	51.7	.99S	.13T	317.9	84.0	.78D	.62T	281.4	21.3	40.4	51.1	178.0	30.8
	9.6		24.0	52.2	.98S	.18N	120.3	81.9	.79D	.62N	259.2	32.2	40.4	51.1	156.4	19.5

CONE A 40 EXA .68 CONE C 44 EXC .74 CONE B 79 EXB .20

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 61	91.2	10-1	350.0	2.5	1.00S	0N	80.0	90.0	.04D	1.00N	257.5	44.9	350.0	2.5	82.5	44.9
			264.9	8.3	.08S	1.00N	80.5	81.8	.01D	1.00N	259.8	53.2	350.6	.6	81.0	36.8
ROTATION ABOUT A,C,B AXIS																
	-24.6		264.9	8.3	.35D	.94N	105.4	82.2	.05S	1.00N	288.8	52.7	195.0	2.9	102.8	37.1
	21.4		264.9	8.3	.43S	.90N	58.9	82.6	.06D	1.00N	234.7	52.3	329.4	3.6	62.2	37.5
	-6.4		225.4	10.1	.57D	.82N	80.5	81.8	.10S	.99N	267.3	52.9	169.7	5.7	75.5	36.5
	6.4		301.2	10.8	.65S	.76N	80.5	81.8	.12D	.99N	252.2	52.7	351.5	7.0	86.7	36.4
	-11.2		68.7	3.0	.21S	.98T	260.7	87.1	.01D	1.00T	260.1	42.1	350.6	.6	81.3	47.9
	1.0		264.5	9.3	.07S	1.00N	80.5	80.8	.01D	1.00N	259.8	54.2	350.6	.6	81.0	35.8
			CONE A		12 EXA	.05	CONE C		24 EXC	.73			CONE B		24 EXB	.72

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	90.1	10-1	325.5	11.1	.53S	.85N	113.2	80.6	.10D	.99N	286.2	54.0	24.2	5.8	118.3	35.3
			332.6	29.6	.42S	.91N	124.8	63.3	.23D	.97N	278.0	68.8	40.9	11.9	134.7	17.3
ROTATION ABOUT A,C,B AXIS																
	-21.4		332.6	29.6	.06S	1.00N	148.9	60.4	.03D	1.00N	324.0	74.5	59.8	1.6	150.2	15.4
	43.8		332.6	29.6	.93S	.37N	81.6	79.5	.47D	.88N	231.9	48.0	357.1	27.4	103.8	29.1
	-8.0		316.6	27.2	.18S	.98N	124.8	63.3	.09D	1.00N	292.9	71.2	37.2	4.8	128.8	18.1
	57.6		26.0	73.0	.88S	.47N	124.8	63.3	.95D	.33N	253.2	31.6	87.3	57.6	347.2	6.4
	-14.4		352.8	17.5	.68S	.73N	128.2	77.3	.21D	.98N	292.7	56.1	40.9	11.9	138.2	31.3
	38.4		316.2	66.3	.23S	.97N	106.3	26.8	.46D	.89N	159.4	66.2	40.9	11.9	306.4	20.3
			CONE A		59 EXA	.20	CONE C		59 EXC	.19			CONE B		65 EXB	.01

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	94.4	10-1	117.6	49.1	.91S	.41N	224.0	72.0	.73D	.69N	359.5	43.0	152.0	43.6	255.9	14.2
			109.7	88.6	1.00S	.01N	199.7	89.2	1.00D	.02N	334.7	1.5	139.3	88.4	244.7	.4
ROTATION ABOUT A,C,B AXIS																
	-75.8		109.7	88.6	.23S	.97N	205.3	13.5	.99D	.10N	303.0	44.8	199.3	13.4	96.9	42.1
	75.8		109.7	88.6	.26S	.97T	14.6	15.0	1.00D	.09T	123.8	41.8	20.0	15.0	274.9	44.4
	-76.8		106.0	11.9	1.00S	.07N	199.7	89.2	.21D	.98N	7.9	44.5	109.8	11.8	211.1	43.0
	76.8		292.6	14.6	1.00S	.05T	199.7	89.2	.25D	.97T	185.7	42.4	289.5	14.6	34.0	43.9
	-22.4		132.1	88.5	1.00S	.00N	222.1	89.8	1.00D	.03N	357.1	1.2	139.3	88.4	267.1	1.0
	38.4		71.3	89.4	1.00S	.03N	161.3	88.6	1.00D	.01N	296.3	1.4	139.3	88.4	26.3	.6
			CONE A		97 EXA	.60	CONE C		96 EXC	.60			CONE B		153 EXB	.01

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 62	100.0	10-0	300.4	76.7	.84S	.54N	38.9	58.0	.96D	.27N	165.1	32.5	10.9	54.7	263.0	12.2
			300.4	76.7	.84S	.54N	38.9	58.0	.96D	.27N	165.1	32.5	10.9	54.7	263.0	12.2
ROTATION ABOUT A,C,B AXIS																
	-31.0		300.4	76.7	.44S	.90N	55.7	29.0	.88D	.47N	150.2	51.4	24.0	25.2	280.0	27.1
	114.2		300.4	76.7	.15S	.99T	154.3	15.9	.54D	.84T	307.7	31.2	212.5	8.6	108.8	57.4
	-57.6		248.3	35.7	.42S	.91N	38.9	58.0	.29D	.96N	178.8	71.7	317.9	14.1	50.8	11.5
	25.6		134.2	81.7	.84S	.54T	38.9	58.0	.99D	.17T	172.5	15.8	57.1	56.7	271.4	28.5
	-8.0		307.4	72.4	.86S	.52N	47.8	60.5	.94D	.35N	174.5	34.2	10.9	54.7	269.8	7.8
	19.2		284.4	87.5	.82S	.58N	16.1	54.8	1.00D	.05N	144.4	26.0	10.9	54.7	245.8	22.2
			CONE A		48 EXA	.67	CONE C		63 EXC	.81			CONE B		110 EXB	.43

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 63	92.8	13-1	140.7	11.6	.98S	.18T	40.4	87.9	.20D	.98T	29.6	41.8	130.0	11.4	232.0	45.9
			139.7	13.5	.99S	.17T	40.2	87.7	.23D	.97T	27.7	41.2	129.7	13.3	233.7	45.7
ROTATION ABOUT A,C,B AXIS																
	-1.4		139.7	13.5	.98S	.19T	38.9	87.4	.23D	.97T	26.6	41.0	128.3	13.2	232.4	46.0
	13.4		139.7	13.5	1.00S	.06N	233.3	89.2	.23D	.97N	40.1	44.2	143.5	13.4	246.2	42.7
	-25.6		133.0	38.9	1.00S	.06T	40.2	87.7	.63D	.78T	8.9	31.5	128.4	38.8	253.2	35.4
	8.0		153.4	5.8	.92S	.39T	40.2	87.7	.09D	1.00T	35.1	42.5	130.0	5.3	225.7	47.0
	-1.4		145.5	13.8	.96S	.27T	40.5	86.4	.23D	.97T	28.3	40.0	129.7	13.3	234.4	47.0
	.6		137.2	13.4	.99S	.13T	40.1	88.3	.23D	.97T	27.5	41.8	129.7	13.3	233.4	45.1
			CONE A		8 EXA	.94	CONE C		5 EXC	.86			CONE B		22 EXB	.56

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	86.9	13-2	136.5	87.4	.50S	.87N	231.0	30.1	1.00D	.09N	344.0	40.1	225.0	30.0	110.8	35.4
			137.7	87.6	.52S	.85N	231.6	31.7	1.00D	.08N	346.3	39.1	226.3	31.6	110.9	34.9
ROTATION ABOUT A,C,B AXIS																
	-21.4		137.7	87.6	.18S	.98N	240.8	40.5	.97D	.23N	328.2	46.5	227.3	10.2	128.1	41.7
	.4		137.7	87.6	.53S	.85N	231.6	32.1	1.00D	.08N	346.5	38.9	226.2	32.0	110.6	34.7
	-38.4		103.2	69.0	.41S	.91N	231.6	31.7	.73D	.68N	317.3	58.8	184.0	22.6	85.1	20.4
	32.0		345.4	76.0	.48S	.88T	231.6	31.7	.89D	.46T	7.6	25.5	263.0	27.8	133.1	50.6
	-3.2		139.4	84.9	.53S	.85N	237.6	32.1	.99D	.17N	349.2	41.4	226.3	31.6	113.3	32.4
	2.0		136.7	89.3	.52S	.85N	227.8	31.6	1.00D	.02N	344.6	37.7	226.3	31.6	109.3	36.4
			CONE A		19 EXA	.93	CONE C		11 EXC	.76			CONE B		39 EXB	.69

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 64	89.4	9-1	128.6	2.8	.11S	.99T	314.7	87.2	.01D	1.00T	314.4	42.2	44.7	.3	135.0	47.8
			231.6	49.4	.98D	.20T	329.1	81.4	.75S	.66T	3.8	20.8	248.8	48.1	108.9	34.5
ROTATION ABOUT A,C,B AXIS																
	-31.0		231.6	49.4	.94D	.34N	128.5	75.2	.74S	.67N	351.4	39.8	202.8	45.7	95.5	16.2
	75.8		231.6	49.4	.05D	1.00T	47.2	40.7	.06S	1.00T	229.6	4.4	319.8	2.2	76.5	85.1
	-28.8		216.8	21.8	.92D	.40T	329.1	81.4	.34S	.94T	346.0	33.4	242.2	19.8	127.1	49.7
	64.0		62.7	67.4	.99D	.16N	329.1	81.4	.92S	.39N	193.8	22.1	39.6	65.7	287.8	9.5
	-7.2		222.6	51.2	.96D	.29T	323.5	76.7	.77S	.64T	357.8	16.3	248.8	48.1	100.7	37.3
	3.6		236.3	48.8	.99D	.14T	331.8	83.8	.75S	.66T	6.9	22.9	248.8	48.1	112.8	32.8
			CONE A		32 EXA	.88	CONE C		34 EXC	.90			CONE B		100 EXB	.13

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 65	100.0	5-0	134.8	78.7	.70S	.71N	236.0	45.9	.96D	.27N	354.7	39.1	213.8	43.7	102.6	20.7
			135.1	78.9	.71S	.71N	236.0	46.1	.96D	.27N	355.0	38.8	214.1	44.0	102.7	20.7
ROTATION ABOUT A,C,B AXIS																
	-18.2		135.1	78.9	.45S	.89N	245.9	28.9	.92D	.40N	344.2	49.0	219.5	26.3	113.7	28.9
	75.8		135.1	78.9	.86S	.51T	38.5	59.8	.97D	.22T	173.5	12.7	62.9	57.4	270.8	29.5
	-64.0		70.9	44.8	.19S	.98N	236.0	46.1	.18D	.98N	338.3	82.5	153.3	7.5	243.4	.7
	102.4		51.5	43.9	.06S	1.00T	236.0	46.1	.05D	1.00T	233.8	1.1	323.8	2.3	118.2	87.5
	-9.6		142.2	72.2	.73S	.68N	248.2	49.4	.92D	.40N	6.7	42.6	214.1	44.0	110.0	14.1
	14.4		124.9	89.2	.69S	.72N	215.8	44.0	1.00D	.02N	339.9	31.2	214.1	44.0	90.3	29.9
			CONE A		63 EXA	.86	CONE C		47 EXC	.74			CONE B		125 EXB	.44

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	100.0	5-0	88.4	12.9	.60S	.80N	230.9	79.7	.14D	.99N	41.3	54.7	142.3	7.7	237.6	34.2
			88.4	12.9	.60S	.80N	230.9	79.7	.14D	.99N	41.3	54.7	142.3	7.7	237.6	34.2
ROTATION ABOUT A,C,B AXIS																
	-8.6		88.4	12.9	.47S	.88N	239.6	78.6	.11D	.99N	51.7	56.0	150.8	6.1	244.8	33.3
	255.0		88.4	12.9	.28S	.96T	285.0	77.6	.06D	1.00T	281.9	32.5	14.2	3.6	109.8	57.2
	-3.6		73.4	11.1	.38S	.93N	230.9	79.7	.07D	1.00N	45.6	55.1	141.6	4.2	234.5	34.6
	256.0		331.3	45.1	.97S	.25T	230.9	79.7	.70D	.72T	198.8	21.9	311.0	43.3	90.0	38.7
	-28.8		210.4	19.9	.39S	.92T	54.9	71.8	.14D	.99T	48.5	26.4	142.3	7.7	247.3	62.4
	11.2		71.0	22.9	.34S	.94N	229.3	68.6	.14D	.99N	35.1	65.4	142.3	7.7	235.6	23.2
			CONE A		102 EXA	.85	CONE C		103 EXC	.85			CONE B		262 EXB	.02

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	100.0	5-0	175.6	6.4	.86S	.51T	54.8	86.7	.10D	1.00T	49.6	41.5	144.5	5.5	240.6	48.0
			175.6	6.4	.86S	.51T	54.8	86.7	.10D	1.00T	49.6	41.5	144.5	5.5	240.6	48.0
ROTATION ABOUT A,C,B AXIS																
	-255.0		175.6	6.4	.93D	.37T	287.5	87.6	.10S	.99T	293.2	42.3	197.8	5.9	101.4	47.1
	7.0		175.6	6.4	.91S	.41T	61.8	87.4	.10D	.99T	56.1	42.1	151.5	5.9	247.9	47.3
	-256.0		321.7	46.6	1.00S	.08N	54.8	86.7	.73D	.69N	197.7	31.8	328.3	46.4	89.8	26.4
	5.6		236.4	3.3	.03D	1.00T	54.8	86.7	0S	1.00T	54.9	41.7	324.8	.1	234.7	48.3
	-5.6		203.1	10.5	.53S	.85T	55.4	81.1	.10D	1.00T	50.5	35.9	144.5	5.5	242.0	53.6
	19.2		73.1	16.8	.33S	.94N	232.9	74.2	.10D	1.00N	44.7	60.4	144.5	5.5	237.6	29.0
			CONE A		81 EXA	.91	CONE C		81 EXC	.91			CONE B		262 EXB	.00

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 66	95.9	14-1	310.3	85.4	.99S	.15N	41.0	81.5	1.00D	.08N	175.5	9.3	12.2	80.3	265.9	2.7
			310.6	85.7	.99S	.14N	41.2	82.0	1.00D	.08N	175.9	8.7	12.8	80.9	266.3	2.6
ROTATION ABOUT A,C,B AXIS																
	-18.2		310.6	85.7	.90S	.44N	42.7	63.9	1.00D	.08N	173.7	21.3	32.1	63.5	269.7	15.0
	88.6		310.6	85.7	.16S	.99T	196.5	10.3	.91D	.41T	319.3	40.0	221.3	9.4	120.5	48.5
	-57.6		296.6	29.1	.96S	.29N	41.2	82.0	.47D	.88N	192.8	45.7	315.5	27.8	64.2	31.3
	64.0		144.6	31.2	.96S	.27T	41.2	82.0	.50D	.86T	16.8	30.4	126.6	30.0	251.4	44.6
	-3.6		314.2	85.2	.99S	.13N	44.9	82.3	1.00D	.08N	179.6	8.9	12.8	80.9	269.9	2.0
	1.2		309.4	85.9	.99S	.14N	40.0	81.9	1.00D	.07N	174.5	8.6	12.8	80.9	264.9	2.8
			CONE A		24 EXA	.96	CONE C		23 EXC	.96			CONE B		114 EXB	.12

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	95.9	14-1	130.0	77.1	.97S	.25N	223.4	75.8	.97D	.23N	356.5	19.4	179.4	70.6	86.9	.9
			128.5	79.8	.98S	.18N	220.4	80.0	.98D	.18N	354.4	14.4	173.8	75.6	264.3	.1
ROTATION ABOUT A,C,B AXIS																
	-31.0		128.5	79.8	.75S	.66N	227.4	49.6	.97D	.23N	349.4	35.7	207.0	47.8	94.1	19.5
	43.8		128.5	79.8	.83S	.55T	31.8	57.0	.98D	.21T	166.1	15.1	53.5	55.0	265.4	30.7
	-64.0		98.5	18.5	.84S	.55N	220.4	80.0	.27D	.96N	22.2	52.5	133.1	15.3	233.4	33.2
	76.8		332.0	25.5	.92S	.40T	220.4	80.0	.40D	.92T	201.1	31.0	306.0	23.2	66.2	49.6
	-4.0		132.6	79.1	.99S	.16N	224.4	80.7	.98D	.19N	358.4	14.4	173.8	75.6	268.1	1.1
	0		128.5	79.8	.98S	.18N	220.4	80.0	.98D	.18N	354.4	14.4	173.8	75.6	264.3	.1
			CONE A		24 EXA	.97	CONE C		17 EXC	.95			CONE B		103 EXB	.47

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 68	100.0	6-0	297.7	62.7	.87S	.49T	193.4	64.4	.86D	.51T	155.9	1.1	247.2	50.9	65.0	39.1
			297.7	62.7	.87S	.49T	193.4	64.4	.86D	.51T	155.9	1.1	247.2	50.9	65.0	39.1
ROTATION ABOUT A,C,B AXIS																
	-63.0		297.7	62.7	.04D	1.00T	113.1	27.4	.07S	1.00T	296.1	17.7	26.7	1.9	122.6	72.2
	63.0		297.7	62.7	.83S	.56N	44.8	60.3	.85D	.53N	170.4	42.5	353.4	47.5	261.8	1.5
	-89.6		67.6	39.4	.73S	.68N	193.4	64.4	.52D	.86N	329.2	58.4	117.9	27.7	215.4	13.9
	64.0		23.9	26.0	.17D	.99T	193.4	64.4	.08S	1.00T	196.9	19.3	105.4	4.2	3.6	70.2
	-22.4		317.9	75.0	.80S	.60T	217.0	54.9	.95D	.32T	353.6	12.9	247.2	50.9	93.2	36.1
	38.4		253.5	51.1	1.00S	.07T	161.0	86.9	.78D	.63T	124.1	24.0	247.2	50.9	19.9	28.9
			CONE A		97 EXA	.60	CONE C		88 EXC	.52			CONE B		139 EXB	.18

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	100.0	6-0	115.3	90.0	1.00S	.01T	25.3	89.7	1.00D	.00T	160.3	.2	25.3	89.7	250.3	.2
			292.1	90.0	1.00S	.01N	22.1	89.5	1.00D	.00N	157.1	.3	17.3	89.5	247.1	.3
ROTATION ABOUT A,C,B AXIS																
	-75.8		292.1	90.0	.25S	.97T	202.0	14.7	1.00D	.00T	306.3	43.1	202.1	14.7	97.9	43.2
	75.8		292.1	90.0	.24S	.97N	22.3	13.7	1.00D	.00N	125.5	43.4	22.1	13.7	278.8	43.3
	-76.8		114.0	13.2	1.00S	.03T	22.1	89.5	.23D	.97T	9.3	43.1	112.0	13.2	215.1	43.9
	76.8		290.2	13.2	1.00S	.03N	22.1	89.5	.23D	.97N	189.2	44.0	292.2	13.2	34.8	43.1
	-19.2		311.3	89.8	1.00S	.01N	41.3	89.6	1.00D	.00N	176.3	.4	17.3	89.5	266.3	.2
	38.4		73.7	89.7	1.00S	.01T	343.7	89.6	1.00D	.00T	118.7	.1	17.3	89.5	208.7	.4
			CONE A		94 EXA	.62	CONE C		93 EXC	.62	CONE B		153 EXB		.01	

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 69	100.0	10-0	105.3	88.5	1.00S	.07N	195.4	86.2	1.00D	.03N	330.3	3.8	173.8	85.9	60.4	1.6
			105.5	88.6	1.00S	.06N	195.6	86.3	1.00D	.03N	330.0	3.6	174.3	86.1	60.1	1.6
ROTATION ABOUT A,C,B AXIS																
	-75.8		105.5	88.6	.18S	.98N	203.1	10.6	.99D	.14N	296.0	45.4	195.2	10.5	95.4	42.7
	75.8		105.5	88.6	.31S	.95T	11.1	17.9	1.00D	.08T	122.3	40.9	16.0	17.9	268.1	43.6
	-76.8		88.5	12.3	.95S	.30N	195.6	86.3	.20D	.98N	3.4	47.4	106.4	11.7	206.5	40.2
	76.8		299.4	15.1	.97S	.25T	195.6	86.3	.25D	.97T	182.2	39.6	284.6	14.6	30.7	46.8
	-22.4		127.9	87.3	1.00S	.05N	218.0	87.1	1.00D	.05N	352.3	3.9	174.3	86.1	82.3	.1
	28.8		256.8	89.5	1.00S	.07T	166.7	86.1	1.00D	.01T	301.9	2.4	174.3	86.1	32.1	3.1
			CONE A		89 EXA	.67	CONE C		88 EXC	.66	CONE B		153 EXB		.01	

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 70	100.0	5-0	65.7	51.6	.28S	.96N	220.3	41.3	.34D	.94N	302.1	76.1	145.3	12.8	54.1	5.3
			65.7	51.6	.28S	.96N	220.3	41.3	.34D	.94N	302.1	76.1	145.3	12.8	54.1	5.3
ROTATION ABOUT A,C,B AXIS																
	-43.8		65.7	51.6	.46D	.89N	285.5	45.9	.50S	.87N	182.5	68.7	353.5	21.1	84.7	3.0
	75.8		65.7	51.6	1.00S	.04T	334.3	88.3	.78D	.62T	296.7	24.8	62.1	51.5	192.8	27.4
	-12.8		49.3	49.1	.10S	.99N	220.3	41.3	.12D	.99N	274.2	84.0	135.4	4.5	45.1	3.9
	64.0		125.5	85.8	.66S	.75N	220.3	41.3	.99D	.11N	340.4	35.7	211.8	41.0	93.5	28.6
	-38.4		101.4	17.5	.74S	.68N	232.6	78.3	.23D	.97N	36.5	54.9	145.3	12.8	243.5	32.1
	32.0		57.0	82.6	.22S	.97N	176.3	14.8	.86D	.50N	251.5	50.8	145.3	12.8	45.7	36.3
			CONE A		74 EXA	.08	CONE C		92 EXC	.41	CONE B		96 EXB		.36	

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 71	100.0	9-0	116.3	81.2	.13S	.99N	256.1	11.5	.64D	.77N	305.1	53.2	205.2	7.3	109.9	35.8
			116.2	81.1	.13S	.99N	255.6	11.6	.64D	.77N	305.2	53.3	205.0	7.5	109.6	35.7
ROTATION ABOUT A,C,B AXIS																
	-1.8		116.2	81.1	.10S	.99N	263.1	10.6	.54D	.84N	303.1	53.6	205.3	5.7	111.2	35.8
	1.0		116.2	81.1	.15S	.99N	252.0	12.3	.69D	.72N	306.3	53.2	204.9	8.4	108.8	35.6
	-32.0		83.8	78.5	.03S	1.00N	255.6	11.6	.14D	.99N	265.9	56.5	173.5	1.6	82.4	33.5
	32.0		148.0	86.4	.19S	.98N	255.6	11.6	.95D	.31N	339.6	47.5	237.3	11.1	137.7	40.4
	-12.8		118.0	68.4	.14S	.99N	277.0	22.9	.33D	.94N	311.9	65.7	205.0	7.5	111.8	23.0
	1.6		116.0	82.7	.13S	.99N	249.9	10.5	.71D	.70N	304.6	51.7	205.0	7.5	109.3	37.3
			CONE A		30 EXA	.77	CONE C		6 EXC	.81			CONE B		13 EXB	.96

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 73	100.0	6-0	244.9	34.8	.79S	.61T	122.7	69.7	.48D	.88T	101.5	19.6	201.9	26.9	340.0	55.7
			244.9	34.8	.79S	.61T	122.7	69.7	.48D	.88T	101.5	19.6	201.9	26.9	340.0	55.7
ROTATION ABOUT A,C,B AXIS																
	-50.2		244.9	34.8	.04S	1.00T	67.7	55.3	.03D	1.00T	66.6	10.3	156.8	1.3	253.9	79.7
	101.4		244.9	34.8	.44S	.90N	34.1	59.2	.29D	.96N	175.8	70.6	313.0	14.5	46.3	12.6
	-6.4		238.9	40.0	.84S	.54T	122.7	69.7	.58D	.82T	97.4	17.2	198.9	32.8	344.1	51.9
	38.4		328.6	22.3	.41D	.91T	122.7	69.7	.17S	.99T	130.2	24.1	36.1	9.0	287.1	64.0
	-32.0		274.2	59.1	.53S	.85T	144.7	43.2	.66D	.75T	296.4	8.8	201.9	26.9	42.9	61.5
	4.0		239.0	32.5	.84S	.54T	120.7	73.2	.47D	.88T	99.4	23.1	201.9	26.9	334.6	53.2
			CONE A		40 EXA	.20	CONE C		74 EXC	.76			CONE B		82 EXB	.70

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 74	91.8	10-1	310.8	5.3	.77S	.64N	80.4	86.6	.07D	1.00N	256.0	48.2	350.6	4.1	84.2	41.5
			310.8	7.1	.78S	.63N	79.4	85.6	.10D	1.00N	253.4	49.1	349.8	5.5	84.5	40.4
ROTATION ABOUT A,C,B AXIS																
	-43.8		310.8	7.1	.13S	.99N	123.3	83.0	.02D	1.00N	302.3	52.0	33.5	.9	124.2	38.0
	18.2		310.8	7.1	.94S	.35N	61.3	87.5	.12D	.99N	234.3	47.1	331.5	6.6	67.5	42.1
	-4.0		278.4	4.7	.33S	.95N	79.4	85.6	.03D	1.00N	257.8	49.4	349.5	1.5	80.8	40.6
	1.2		316.2	8.0	.83S	.55N	79.4	85.6	.12D	.99N	252.1	49.0	349.9	6.7	85.6	40.2
	-1.0		317.8	6.5	.85S	.53N	79.5	86.6	.10D	1.00N	253.6	48.1	349.8	5.5	84.7	41.4
	64.0		262.0	68.5	.10S	.99N	66.2	22.2	.25D	.97N	92.3	66.0	349.8	5.5	257.4	23.3
			CONE A		18 EXA	.92	CONE C		63 EXC	.05			CONE B		18 EXB	.92

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	92.4	10-1	319.2	5.3	.36S	.93N	117.9	85.1	.03D	1.00N	295.8	49.9	28.1	1.9	119.7	40.1
			317.4	5.3	.33S	.94N	118.1	85.0	.03D	1.00N	296.3	50.0	28.3	1.7	119.7	40.0
ROTATION ABOUT A,C,B AXIS																
	-11.8		317.4	5.3	.13S	.99N	129.9	84.8	.01D	1.00N	309.2	50.2	40.0	.7	130.6	39.8
	56.6		317.4	5.3	.97S	.24N	61.5	88.7	.09D	1.00N	236.3	46.1	331.6	5.1	66.5	43.5
	-4.0		273.8	5.5	.41D	.91N	118.1	85.0	.04S	1.00N	300.5	50.0	207.9	2.2	116.1	40.0
	.2		319.5	5.4	.36S	.93N	118.1	85.0	.03D	1.00N	296.0	50.0	28.3	1.9	119.9	40.0
	-2.8		336.7	2.8	.62S	.78N	118.2	87.8	.03D	1.00N	296.5	47.2	28.3	1.7	119.9	42.8
	3.2		310.2	8.4	.21S	.98N	118.0	81.8	.03D	1.00N	296.0	53.2	28.3	1.7	119.6	36.8
			CONE A		5 EXA	.30		CONE C		20 EXC	.91		CONE B		17 EXB	.94

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 75	100.0	12-0	86.3	9.5	1.00S	.08T	351.5	89.2	.17D	.99T	342.3	43.4	81.4	9.5	181.0	45.0
			103.5	80.0	1.00S	.00N	193.5	89.8	.98D	.17N	329.0	7.2	104.7	80.0	238.1	6.9
ROTATION ABOUT A,C,B AXIS																
	-75.8		103.5	80.0	.25S	.97T	339.4	17.5	.82D	.58T	115.7	33.5	16.1	14.2	266.6	52.9
	75.8		103.5	80.0	.24S	.97N	228.4	17.2	.81D	.59N	300.0	53.0	191.0	13.8	91.7	33.5
	-64.0		283.8	36.0	1.00S	.01T	193.5	89.8	.59D	.81T	163.1	34.7	283.4	36.0	44.1	35.1
	76.8		99.9	3.2	1.00S	.06N	193.5	89.8	.06D	1.00N	10.4	45.1	103.6	3.2	196.7	44.7
	-19.2		123.0	80.5	1.00S	.05T	32.5	86.9	.99D	.17T	348.1	4.5	104.7	80.0	257.4	8.9
	22.4		80.8	80.8	1.00S	.07N	171.4	86.0	.99D	.16N	306.4	9.3	104.7	80.0	215.8	3.7
			CONE A		77 EXA	.70		CONE C		79 EXC	.73		CONE B		146 EXB	.07

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	91.5	12-1	77.6	50.0	.94S	.35N	181.2	74.3	.74D	.67N	317.6	40.2	108.0	45.8	214.3	15.3
			77.6	50.1	.94S	.35N	181.1	74.4	.75D	.67N	317.4	40.0	107.8	46.0	214.2	15.3
ROTATION ABOUT A,C,B AXIS																
	-37.4		77.6	50.1	.53S	.85N	213.2	49.5	.54D	.84N	324.8	65.9	145.7	24.1	55.6	.3
	31.0		77.6	50.1	.98S	.18T	340.8	82.0	.76D	.65T	305.6	20.8	61.5	49.0	201.1	33.5
	-32.0		48.4	22.4	.71S	.71N	181.1	74.4	.28D	.96N	339.4	57.5	95.6	15.7	194.1	27.6
	89.6		267.6	44.4	.92S	.38T	181.1	74.4	.67D	.74T	151.1	18.3	257.4	40.3	42.4	44.0
	-38.4		129.2	48.0	.97S	.25T	29.2	79.2	.73D	.68T	355.8	19.9	107.8	46.0	249.8	37.3
	14.4		61.4	56.3	.86S	.50N	169.3	65.2	.79D	.61N	298.7	43.5	107.8	46.0	203.5	5.5
			CONE A		80 EXA	.57		CONE C		60 EXC	.23		CONE B		91 EXB	.44

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 77	100.0	10-0	283.6	26.5	.52S	.85N	69.4	67.6	.25D	.97N	225.1	64.5	345.0	13.4	80.3	21.3
			283.6	26.5	.52S	.85N	69.4	67.6	.25D	.97N	225.1	64.5	345.0	13.4	80.3	21.3
ROTATION ABOUT A,C,B AXIS																
	-7.0		283.6	26.5	.41S	.91N	76.8	66.0	.20D	.98N	235.4	67.0	351.5	10.6	85.4	20.2
	31.0		283.6	26.5	.89S	.46N	38.7	78.0	.40D	.91N	191.5	51.2	313.9	23.3	57.7	29.1
	-12.8		254.4	22.5	.07S	1.00N	69.4	67.6	.03D	1.00N	246.2	67.4	340.0	1.6	70.7	22.6
	16.0		306.5	37.2	.78S	.63N	69.4	67.6	.51D	.86N	208.9	56.4	352.0	28.0	91.4	17.1
	-8.0		295.7	20.1	.68S	.74N	71.4	75.4	.24D	.97N	233.1	57.4	345.0	13.4	82.6	29.1
	22.4		267.8	47.0	.32S	.95N	61.7	46.1	.32D	.95N	163.0	76.6	345.0	13.4	254.9	.5

CONE A 30 EXA .05 CONE C 34 EXC .20 CONE B 33 EXB .24

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 78	94.9	16-1-1	277.7	21.8	.78S	.62N	44.0	76.7	.30D	.95N	202.4	55.0	318.1	16.9	58.0	29.6
			283.6	26.4	.88S	.47N	39.1	77.9	.40D	.92N	192.0	51.3	314.4	23.2	58.1	29.0
ROTATION ABOUT A,C,B AXIS																
	-18.2		283.6	26.4	.69S	.72N	56.7	71.2	.33D	.95N	209.9	59.4	333.0	17.9	71.2	23.9
	3.0		283.6	26.4	.91S	.42N	36.3	79.1	.41D	.91N	189.4	50.1	311.2	23.8	55.9	30.0
	-16.0		252.0	14.3	.53S	.85N	39.1	77.9	.13D	.99N	209.2	56.5	310.7	7.5	45.5	32.5
	3.2		286.7	29.3	.90S	.43N	39.1	77.9	.45D	.89N	189.3	49.9	315.2	26.3	60.4	27.9
	-9.6		305.4	23.4	.99S	.14N	43.0	86.7	.39D	.92N	200.3	43.6	314.4	23.2	63.6	37.4
	4.0		276.2	28.5	.82S	.57N	37.4	74.3	.41D	.91N	187.7	54.3	314.4	23.2	56.2	25.5

CONE A 16 EXA .29 CONE C 17 EXC .36 CONE B 20 EXB .09

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	91.6	16-1-1	279.9	73.9	.32S	.95N	49.1	24.5	.74D	.67N	124.6	57.1	4.5	18.0	265.1	26.6
			279.8	73.0	.36S	.93N	47.2	26.8	.76D	.65N	121.4	57.0	3.4	20.0	263.6	25.1
ROTATION ABOUT A,C,B AXIS																
	-6.2		279.8	73.0	.26S	.97N	57.8	22.4	.64D	.77N	120.5	59.4	5.4	14.1	268.2	26.6
	15.0		279.8	73.0	.59S	.81N	31.8	39.3	.89D	.46N	139.0	48.9	357.8	34.2	253.6	19.9
	-22.4		257.0	66.3	.22S	.97N	47.2	26.8	.45D	.89N	100.0	66.3	341.7	11.8	247.3	20.3
	32.0		309.5	86.2	.45S	.89N	47.2	26.8	.99D	.15N	155.0	42.7	37.6	26.5	286.6	35.7
	-1.0		280.2	72.0	.36S	.93N	48.8	27.4	.74D	.67N	126.7	57.8	3.4	20.0	264.0	24.1
	11.2		275.8	83.5	.34S	.94N	23.0	21.2	.95D	.32N	117.0	47.7	3.4	20.0	258.4	35.4

CONE A 26 EXA .78 CONE C 16 EXC .42 CONE B 34 EXB .61

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	I AXIS AZ	I AXIS PL
* NO. 79	92.1	11-1	250.1	11.9	.31S	.95N	52.0	78.7	.06O	1.00N	227.3	56.2	322.7	3.6	55.1	33.6
			251.7	12.4	.34S	.94N	51.2	78.3	.08O	1.00N	225.7	56.5	322.1	4.2	54.9	33.2
ROTATION ABOUT A,C,B AXIS																
	-4.6		251.7	12.4	.27S	.96N	55.9	78.0	.06O	1.00N	231.5	56.9	326.6	3.3	58.7	32.9
	13.4		251.7	12.4	.55S	.83N	37.6	79.7	.12O	.99N	209.2	54.6	308.9	6.8	43.6	34.3
	-0.4		249.9	12.3	.31S	.95N	51.2	78.3	.07O	1.00N	226.2	56.5	322.0	3.8	54.5	33.2
	9.6		282.0	18.1	.76S	.65N	51.2	78.3	.24O	.97N	214.2	54.6	324.1	13.6	62.6	31.9
	-6.4		270.5	6.8	.62S	.78N	51.7	84.7	.07O	1.00N	227.1	50.1	322.1	4.2	55.6	39.6
	.2		251.3	12.6	.34S	.94N	51.2	78.1	.08O	1.00N	225.7	56.7	322.1	4.2	54.8	33.0
			CONE A		8 EXA	.34	CONE C		11 EXC	.63			CONE B		13 EXB	.44

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	I AXIS AZ	I AXIS PL
	88.0	11-1	126.4	83.7	.44S	.90N	228.9	27.0	.97O	.24N	332.7	45.1	213.3	26.1	104.3	33.5
			127.4	84.4	.46S	.89N	228.0	28.0	.98O	.21N	334.5	43.9	214.6	27.4	104.4	33.7
ROTATION ABOUT A,C,B AXIS																
	-15.0		127.4	84.4	.22S	.98N	241.1	13.7	.91O	.41N	320.9	49.1	216.2	12.4	116.2	38.2
	10.2		127.4	84.4	.61S	.79N	224.6	38.0	.99O	.16N	341.2	38.7	213.2	37.5	97.8	29.2
	-51.2		77.9	65.2	.23S	.97N	228.0	28.0	.45O	.89N	283.0	67.0	162.1	12.3	67.8	19.1
	44.8		347.7	75.2	.41S	.91T	228.0	28.0	.84O	.54T	6.5	26.3	264.2	23.2	138.6	53.6
	-2.0		128.4	82.7	.46S	.89N	232.1	28.5	.96O	.27N	336.2	45.3	214.6	27.4	105.6	32.1
	0		127.4	84.4	.46S	.89N	228.0	28.0	.98O	.21N	334.5	43.9	214.6	27.4	104.4	33.7
			CONE A		14 EXA	.98	CONE C		7 EXC	.92			CONE B		49 EXB	.74

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	I AXIS AZ	I AXIS PL
	87.7	11-1	77.1	68.2	.19S	.98N	230.0	24.2	.42O	.91N	275.5	65.2	163.1	10.0	68.9	22.5
			94.9	64.3	.40S	.92N	229.7	34.3	.64O	.77N	313.3	63.0	174.2	21.1	77.8	16.1
ROTATION ABOUT A,C,B AXIS																
	-1.4		94.9	64.3	.38S	.93N	231.7	33.4	.62O	.79N	312.0	63.7	174.9	19.9	78.8	16.5
	3.0		94.9	64.3	.45S	.89N	225.8	36.3	.68O	.73N	315.9	61.3	172.7	23.7	75.8	15.3
	-19.2		74.1	58.1	.23S	.97N	229.7	34.3	.35O	.94N	288.9	73.2	156.9	11.4	64.4	12.1
	64.0		331.1	82.3	.55S	.83T	229.7	34.3	.97O	.24T	357.7	29.3	246.2	33.2	119.0	42.7
	-2.4		96.0	62.1	.41S	.91N	232.3	36.2	.61O	.79N	317.7	64.4	174.2	21.1	78.7	13.9
	2.8		93.7	66.9	.39S	.92N	226.4	32.2	.68O	.74N	308.7	61.2	174.2	21.1	76.7	18.7
			CONE A		21 EXA	.94	CONE C		5 EXC	.15			CONE B		19 EXB	.95

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 80	94.8	12-1	284.0	25.5	.89S	.46N	39.0	78.6	.39D	.92N	193.0	51.1	313.8	22.5	57.6	29.9
			305.1	56.5	1.00S	.05N	36.6	87.8	.83D	.55N	176.1	24.7	309.9	56.4	75.8	21.3
ROTATION ABOUT A,C,B AXIS																
	-21.4		305.1	56.5	.91S	.41N	48.9	70.1	.81D	.59N	181.4	39.1	344.1	49.6	84.3	8.6
	63.0		305.1	56.5	.49S	.87T	171.0	43.6	.60D	.80T	325.7	7.0	232.5	24.4	70.6	64.5
	-51.2		283.8	5.7	.92S	.39N	36.6	87.8	.09D	1.00N	211.1	46.9	306.8	5.3	41.7	42.6
	102.4		132.3	21.2	.99S	.11T	36.6	87.8	.36D	.93T	17.4	39.2	125.7	21.1	237.1	43.3
	-7.2		313.7	56.5	1.00S	.04T	222.6	88.2	.83D	.55T	183.3	21.6	309.9	56.4	82.9	24.4
	2.0		302.7	56.6	1.00S	.07N	34.9	86.7	.83D	.55N	174.1	25.5	309.9	56.4	73.9	20.4
			CONE A		38 EXA	.94	CONE C		28 EXC	.89			CONE B		114 EXB	.45

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 81	91.1	9-1	257.5	69.8	.17S	.99N	51.1	22.3	.42D	.91N	93.2	63.9	344.1	9.1	250.0	24.2
			279.2	76.7	.53S	.85N	29.2	34.6	.91D	.40N	133.7	48.1	1.0	31.3	254.7	24.8
ROTATION ABOUT A,C,B AXIS																
	-24.6		279.2	76.7	.13S	.99N	68.9	15.3	.49D	.87N	109.3	57.6	7.5	7.4	273.0	31.3
	101.4		279.2	76.7	.72S	.69T	176.9	47.8	.95D	.31T	311.8	18.2	202.8	44.8	57.6	39.6
	-28.8		252.1	63.2	.39S	.92N	29.2	34.6	.61D	.80N	111.0	64.3	331.4	20.1	235.7	15.3
	38.4		131.3	81.8	.56S	.83T	29.2	34.6	.97D	.25T	157.8	28.8	46.7	33.3	278.8	43.1
	-12.8		286.7	66.0	.57S	.82N	47.1	41.3	.79D	.62N	151.2	55.0	1.0	31.3	262.2	14.1
	32.0		82.3	76.0	.54S	.84T	331.4	34.9	.91D	.42T	106.8	24.1	1.0	31.3	227.3	48.6
			CONE A		55 EXA	.33	CONE C		75 EXC	.64			CONE B		92 EXB	.47

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 82	95.4	11-1	122.7	72.6	.88S	.48N	222.1	62.6	.94D	.34N	350.0	32.5	184.2	56.7	84.1	6.5
			121.8	73.2	.91S	.42N	219.5	66.1	.95D	.32N	349.2	29.4	180.1	60.1	81.8	4.7
ROTATION ABOUT A,C,B AXIS																
	-31.0		121.8	73.2	.56S	.83N	235.1	37.4	.88D	.48N	339.7	50.0	200.8	32.3	96.8	20.9
	88.6		121.8	73.2	.45S	.90T	1.7	31.0	.83D	.56T	142.0	23.7	40.0	25.3	269.2	54.1
	-51.2		82.0	31.0	.62S	.79N	219.5	66.1	.35D	.94N	6.4	63.2	138.1	18.6	234.6	18.6
	51.2		324.2	60.3	.88S	.47T	219.5	66.1	.84D	.54T	182.9	3.7	277.3	50.2	89.9	39.6
	-6.4		128.0	70.6	.92S	.39N	226.1	68.2	.93D	.36N	356.4	29.8	180.1	60.1	87.3	1.6
	28.8		95.9	86.7	.87S	.50N	187.8	60.4	1.00D	.07N	317.7	23.0	180.1	60.1	55.7	18.0
			CONE A		60 EXA	.66	CONE C		65 EXC	.71			CONE B		111 EXB	.14

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 83	100.0	6-0	243.3	48.1	.09S	1.00N	55.9	42.1	.10D	1.00N	110.8	85.2	330.0	3.7	239.8	3.0
			243.3	48.1	.09S	1.00N	55.9	42.1	.10D	1.00N	110.8	85.2	330.0	3.7	239.8	3.0
ROTATION ABOUT A,C,B AXIS																
	-63.0		243.3	48.1	.85D	.53N	130.7	66.8	.69S	.73N	358.0	48.6	200.2	39.2	100.9	11.2
	56.6		243.3	48.1	.88S	.48N	353.2	69.2	.70D	.71N	127.4	46.3	282.4	40.9	23.7	12.8
	-64.0		170.4	69.5	.61D	.79N	55.9	42.1	.85S	.52N	307.6	50.5	95.5	34.9	197.1	16.1
	57.6		305.3	72.3	.63S	.78N	55.9	42.1	.89D	.45N	166.6	47.7	21.6	36.7	277.6	18.0
	-38.4		260.9	10.3	.36S	.93N	59.4	80.4	.07D	1.00N	234.8	54.5	330.0	3.7	62.6	35.3
	38.4		240.2	86.4	.06S	1.00N	14.2	5.2	.72D	.70N	64.2	48.5	330.0	3.7	236.7	41.3
			CONE A	97 EXA	.37		CONE C	96 EXC	.36				CONE B	121 EXB	.02	

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 84	83.7	6-1	277.1	82.9	.03S	1.00N	82.0	7.4	.26D	.97N	99.3	52.1	6.9	1.9	275.4	37.9
			272.2	65.3	.90S	.44N	13.9	66.2	.89D	.46N	143.3	35.4	322.1	54.6	52.9	.6
ROTATION ABOUT A,C,B AXIS																
	-63.0		272.2	65.3	.01S	1.00N	90.6	24.7	.03D	1.00N	93.5	69.7	1.9	.6	271.7	20.3
	56.6		272.2	65.3	.86S	.50T	168.5	62.7	.88D	.47T	309.9	1.7	217.8	51.7	41.2	38.3
	-64.0		191.1	23.8	.04D	1.00N	13.9	66.2	.02S	1.00N	196.0	68.8	103.4	1.0	13.0	21.2
	89.6		141.6	35.7	.72S	.69T	13.9	66.2	.46D	.89T	353.9	16.8	92.0	25.0	233.5	59.2
	-25.6		299.9	56.6	.98S	.22N	36.9	79.5	.83D	.56N	173.8	31.2	322.1	54.6	74.4	15.1
	16.0		257.3	73.1	.85S	.52N	357.4	59.9	.94D	.34N	124.0	34.0	322.1	54.6	219.9	8.6
			CONE A	80 EXA	.73		CONE C	71 EXC	.65				CONE B	136 EXB	.22	

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 85	100.0	12-0	145.5	52.0	.54S	.84T	11.9	48.6	.57D	.82T	168.1	1.9	77.2	25.3	262.0	64.6
			145.3	52.1	.54S	.84T	11.9	48.6	.57D	.82T	167.9	1.9	77.0	25.5	261.9	64.4
ROTATION ABOUT A,C,B AXIS																
	-31.0		145.3	52.1	.03S	1.00T	328.6	37.9	.04D	1.00T	146.7	7.1	56.5	1.6	313.9	82.7
	31.0		145.3	52.1	.90S	.44T	38.6	69.8	.76D	.65T	5.6	11.0	106.8	45.2	265.2	42.7
	-14.4		131.5	60.8	.65S	.76T	11.9	48.6	.76D	.65T	159.1	7.0	64.2	34.7	259.0	54.4
	14.4		162.3	45.4	.37S	.93T	11.9	48.6	.35D	.94T	357.4	1.7	87.9	15.3	261.4	74.6
	-22.4		157.9	71.6	.45S	.89T	36.1	32.2	.81D	.59T	178.1	22.0	77.0	25.5	303.7	55.2
	11.2		136.4	43.0	.63S	.78T	4.4	58.0	.51D	.86T	343.1	8.2	77.0	25.5	236.6	63.0
			CONE A	31 EXA	.14		CONE C	46 EXC	.46				CONE B	42 EXB	.54	

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 86	100.0	13-0	134.3	66.3	.90S	.43N	235.2	66.6	.90D	.44N	4.8	34.4	184.4	55.6	274.7	.2
			134.3	66.3	.90S	.43N	235.2	66.6	.90D	.44N	4.8	34.4	184.4	55.6	274.7	.2
ROTATION ABOUT A,C,B AXIS																
	-10.2		134.3	66.3	.81S	.59N	240.5	57.5	.88D	.48N	4.2	41.6	195.2	47.9	99.1	5.5
	18.2		134.3	66.3	.99S	.13N	227.3	83.1	.91D	.40N	3.1	21.7	152.4	65.2	268.5	11.5
	-38.4		105.6	34.2	.71S	.71N	235.2	66.6	.43D	.90N	17.5	60.0	156.0	23.4	253.9	17.7
	28.8		326.3	87.4	.92S	.40T	235.2	66.6	1.00D	.05T	8.4	14.4	242.3	66.4	103.2	18.3
	-0.8		135.1	66.0	.90S	.43N	236.0	67.0	.90D	.44N	5.8	34.4	184.4	55.6	275.3	.6
	6.4		128.1	69.2	.88S	.47N	228.8	63.9	.92D	.40N	357.0	34.2	184.4	55.6	89.4	3.4
			CONE A		22 EXA	.89	CONE C		14 EXC	.75			CONE B		44 EXB	.58

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	94.1	13-1	308.1	48.4	.86S	.51N	59.7	67.5	.70D	.72N	192.7	47.7	350.0	40.0	89.8	11.5
			314.8	55.9	.87S	.49N	62.1	66.3	.79D	.61N	192.3	42.9	359.5	46.4	96.3	6.4
ROTATION ABOUT A,C,B AXIS																
	-1.0		314.8	55.9	.87S	.50N	62.7	65.5	.79D	.62N	192.5	43.6	.7	45.8	96.8	5.9
	21.4		314.8	55.9	.99S	.13N	49.1	83.7	.83D	.56N	187.6	28.3	328.3	55.2	87.2	18.6
	-28.8		289.3	32.9	.67S	.74N	62.1	66.3	.40D	.92N	206.0	61.4	342.0	21.4	79.3	18.0
	25.6		327.1	78.9	.91S	.41N	62.1	66.3	.98D	.21N	192.5	24.9	34.0	63.5	286.5	8.5
	0		314.8	55.9	.87S	.49N	62.1	66.3	.79D	.61N	192.3	42.9	359.5	46.4	96.3	6.4
	7.2		307.5	59.6	.84S	.54N	55.6	62.0	.82D	.57N	182.5	43.6	359.5	46.4	91.1	1.5
			CONE A		20 EXA	.87	CONE C		13 EXC	.68			CONE B		35 EXB	.59

260

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 87	95.5	11- 1	126.1	81.5	.88S	.47N	220.7	62.0	.99D	.17N	349.9	25.9	200.8	60.5	86.4	13.2
			120.8	87.1	1.00S	.09N	211.0	84.7	1.00D	.05N	346.0	5.9	182.4	83.9	76.2	1.7
ROTATION ABOUT A,C,B AXIS																
	-63.0		120.8	87.1	.37S	.93N	218.0	21.9	.99D	.14N	321.9	43.8	209.6	21.6	101.3	38.4
	75.8		120.8	87.1	.33S	.94T	22.7	19.7	.99D	.15T	138.5	39.0	31.8	19.5	281.4	44.5
	-76.8		94.0	11.6	.89S	.46N	211.0	84.7	.18D	.98N	19.8	49.3	122.0	10.3	220.4	38.9
	64.0		310.6	29.3	.98S	.19T	211.0	84.7	.48D	.88T	186.8	33.4	298.1	28.8	58.9	43.0
	-16.0		136.7	85.8	1.00S	.08N	227.1	85.7	1.00D	.07N	1.7	6.1	182.4	83.9	91.7	.1
	22.4		98.5	89.4	.99S	.11N	188.5	84.0	1.00D	.01N	323.0	4.7	182.4	83.9	53.3	3.9
			CONE A		74 EXA	.73	CONE C		73 EXC	.72			CONE B		140 EXB	.01

SCORE OBSERVED

95.0 11-1

ROTATION ABOUT A,C,B AXIS

-56.6
63.0
-64.0
38.4
-16.0
19.2

	PLANE A		COMPONENT	
	AZ	DIP	STRIKE	DIP
	316.2	74.9	.92S	.39T
	299.1	74.1	.95S	.31T
	299.1	74.1	.26S	.97T
	299.1	74.1	.71S	.70N
	95.8	45.5	.91S	.42N
	317.4	38.6	.87S	.48T
	314.5	79.6	.93S	.37T
	279.6	69.0	.98S	.21T

CONE A 60 EXA .66

	PLANE C		COMPONENT	
	AZ	DIP	STRIKE	DIP
	219.9	67.9	.96D	.28T
	203.9	72.4	.96D	.29T
	163.6	21.8	.67D	.74T
	44.3	47.4	.93D	.37N
	203.9	72.4	.68D	.73N
	203.9	72.4	.57D	.82T
	220.4	68.5	.98D	.19T
	185.2	78.7	.93D	.37T

CONE C 65 EXC .71

P AXIS		B AXIS		T AXIS	
AZ	PL	AZ	PL	AZ	PL
357.0	4.7	257.8	62.8	89.3	26.7
341.3	1.2	248.7	65.9	71.8	24.1
311.1	27.6	213.3	14.5	98.6	58.2
161.8	42.2	13.6	43.1	267.5	16.6
341.1	45.1	129.5	40.3	233.9	16.4
178.5	19.8	282.0	33.0	62.9	50.1
355.9	7.6	248.7	65.9	89.1	22.7
143.7	6.6	248.7	65.9	50.9	23.1

CONE B 111 EXB .14

261

SCORE OBSERVED

* NO. 88 100.0 11-0

ROTATION ABOUT A,C,B AXIS

-21.4
8.6
-38.4
38.4
-12.8
4.8

	PLANE A		COMPONENT	
	AZ	DIP	STRIKE	DIP
	134.7	64.5	.84S	.54N
	134.7	64.5	.84S	.54N
	134.7	64.5	.59S	.81N
	134.7	64.5	.91S	.41N
	100.0	35.9	.56S	.83N
	334.5	82.2	.87S	.49T
	147.4	58.2	.90S	.45N
	130.4	67.2	.83S	.56N

CONE A 37 EXA .77

	PLANE C		COMPONENT	
	AZ	DIP	STRIKE	DIP
	240.1	60.9	.87D	.49N
	240.1	60.9	.87D	.49N
	255.4	43.1	.78D	.63N
	235.6	68.5	.89D	.46N
	240.1	60.9	.38D	.93N
	240.1	60.9	.99D	.15T
	252.2	67.7	.82D	.57N
	235.2	58.6	.89D	.45N

CONE C 23 EXC .41

P AXIS		B AXIS		T AXIS	
AZ	PL	AZ	PL	AZ	PL
6.2	40.4	190.8	49.5	98.1	2.3
6.2	40.4	190.8	49.5	98.1	2.3
1.4	55.2	207.4	32.0	109.6	12.2
6.2	34.3	180.7	55.5	274.5	2.6
18.5	66.4	161.3	19.2	256.0	13.2
14.0	14.4	258.0	59.7	111.2	26.1
23.0	39.9	190.8	49.5	287.9	6.0
360.0	40.0	190.8	49.5	94.5	5.4

CONE B 48 EXB .61

SCORE OBSERVED

94.8 11-1

ROTATION ABOUT A,C,B AXIS

-18.2
27.8
-57.6
44.8
-7.2
6.4

	PLANE A		COMPONENT	
	AZ	DIP	STRIKE	DIP
	312.6	52.6	.80S	.60N
	329.2	72.2	.93S	.37N
	329.2	72.2	.77S	.64N
	329.2	72.2	.99S	.11T
	280.4	24.3	.53S	.85N
	165.7	65.9	.92S	.38T
	336.4	69.7	.94S	.33N
	323.0	74.7	.92S	.40N

CONE A 37 EXA .87

	PLANE C		COMPONENT	
	AZ	DIP	STRIKE	DIP
	67.2	61.4	.72D	.69N
	66.1	69.6	.95D	.33N
	73.4	52.5	.92D	.38N
	237.3	84.0	.95D	.31T
	66.1	69.6	.23D	.97N
	66.1	69.6	.90D	.44T
	73.2	72.1	.93D	.36N
	59.5	67.6	.96D	.29N

CONE C 25 EXC .70

P AXIS		B AXIS		T AXIS	
AZ	PL	AZ	PL	AZ	PL
194.4	50.1	3.8	39.4	98.1	5.2
197.3	27.5	21.5	62.4	288.2	1.7
194.7	40.3	39.0	47.1	295.4	12.4
194.5	8.2	309.4	71.2	102.0	16.8
224.9	63.1	340.8	12.5	76.3	23.5
26.4	2.4	120.2	57.5	294.9	32.4
205.4	27.5	21.5	62.4	114.6	1.6
189.9	27.1	21.5	62.4	282.4	4.8

CONE B 69 EXB .55

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 89	89.0	15-1	202.7	89.9	.05S	1.00N	294.8	2.7	1.00D	.04N	25.4	45.0	292.7	2.7	200.0	44.8
			353.3	82.3	.72S	.70T	255.9	46.2	.98D	.19T	26.7	23.2	271.1	45.2	134.7	35.7
ROTATION ABOUT A,C,B AXIS																
	-27.8		353.3	82.3	.31S	.95T	240.8	19.5	.92D	.40T	8.7	34.9	265.8	17.8	153.7	49.6
	27.8		353.3	82.3	.96S	.28T	261.0	73.7	.99D	.14T	36.3	5.9	287.7	71.9	128.1	17.0
	-22.4		157.7	81.6	.71S	.70N	255.9	46.2	.98D	.20N	16.5	36.3	239.2	45.0	124.5	22.7
	57.6		46.0	47.9	.36S	.93T	255.9	46.2	.37D	.93T	60.7	.9	330.5	15.5	153.9	74.5
	-7.2		358.5	87.3	.71S	.70T	265.8	45.3	1.00D	.07T	32.9	27.6	271.1	45.2	142.0	32.0
	7.2		348.0	77.3	.73S	.69T	246.3	48.0	.96D	.30T	20.8	18.5	271.1	45.2	126.6	39.0
			CONE A		34 EXA	.82	CONE C		28 EXC	.74			CONE B		67 EXB	.31

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 97	81.0	16-3	329.5	6.9	.81S	.59T	203.5	85.9	.10D	1.00T	198.3	40.6	293.1	5.6	29.5	48.8
			321.5	48.4	.45S	.89T	178.5	48.0	.45D	.89T	339.9	.2	249.8	19.5	70.5	70.5
ROTATION ABOUT A,C,B AXIS																
	-21.4		321.5	48.4	.09S	1.00T	149.2	41.8	.10D	1.00T	325.1	3.3	234.9	3.8	96.0	85.0
	37.4		321.5	48.4	.90S	.44T	213.5	70.8	.71D	.70T	182.3	13.7	285.1	42.2	78.4	44.6
	-12.8		307.5	55.1	.58S	.82T	178.5	48.0	.64D	.77T	331.6	3.9	239.5	28.2	68.9	61.5
	19.2		347.3	42.6	.14S	.99T	178.5	48.0	.13D	.99T	173.1	2.7	263.4	5.6	57.4	83.8
	-25.6		333.2	72.0	.35S	.94T	203.7	27.1	.73D	.68T	349.0	24.3	249.8	19.5	125.2	58.0
	16.0		309.0	34.7	.59S	.81T	170.4	62.6	.38D	.93T	154.4	14.8	249.8	19.5	29.6	65.1
			CONE A		36 EXA	.23	CONE C		49 EXC	.29			CONE B		43 EXB	.46

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	78.3	16-3	324.4	44.2	.53S	.84T	185.8	53.9	.46D	.89T	166.7	5.2	258.8	21.9	64.1	67.4
			321.2	48.5	.45S	.89T	178.5	48.1	.45D	.89T	339.8	.2	249.7	19.7	70.4	70.3
ROTATION ABOUT A,C,B AXIS																
	-21.4		321.2	48.5	.09S	1.00T	149.3	41.8	.11D	.99T	325.0	3.4	234.8	4.0	94.9	84.8
	37.4		321.2	48.5	.90S	.44T	213.4	71.0	.71D	.70T	182.1	13.8	285.1	42.4	78.3	44.3
	-12.8		307.3	55.1	.58S	.81T	178.5	48.1	.64D	.77T	331.5	3.9	239.4	28.4	68.6	61.3
	22.4		351.7	42.1	.09S	1.00T	178.5	48.1	.08D	1.00T	175.3	3.0	265.5	3.4	43.9	85.5
	-25.6		333.0	72.0	.35S	.93T	203.9	27.2	.74D	.68T	349.0	24.2	249.7	19.7	124.9	57.9
	16.0		308.7	34.8	.59S	.81T	170.4	62.6	.38D	.93T	154.3	14.8	249.7	19.7	29.8	65.0
			CONE A		38 EXA	.15	CONE C		49 EXC	.29			CONE B		45 EXB	.40

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SCORE	OBSERVED		PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 113	84.1	10-1	83.8	6.0	.73S	.68N	216.6	85.9	.08D	1.00N	31.8	48.9	126.9	4.4	220.7	40.7
			81.9	6.8	.72S	.70N	216.0	85.2	.09D	1.00N	30.6	49.6	126.4	4.9	220.5	40.0
ROTATION ABOUT A,C,B AXIS																
	-18.2		81.9	6.8	.46S	.89N	234.3	84.0	.06D	1.00N	50.8	50.9	144.6	3.1	237.1	38.9
	43.8		81.9	6.8	1.00S	.01N	172.4	89.9	.12D	.99N	345.7	44.5	82.4	6.8	179.2	44.7
	-2.0		67.3	5.6	.52S	.86N	216.0	85.2	.05D	1.00N	32.9	49.7	126.3	2.9	218.7	40.1
	1.6		89.9	8.0	.81S	.59N	216.0	85.2	.11D	.99N	29.0	49.4	126.6	6.5	222.1	39.9
	-1.8		95.0	5.7	.85S	.52N	216.2	87.0	.08D	1.00N	31.0	47.8	126.4	4.9	220.8	41.8
	9.6		54.8	15.2	.32S	.95N	215.2	75.7	.09D	1.00N	28.2	59.0	126.4	4.9	219.3	30.5
			CONE A		6 EXA	.68		CONE C		27 EXC .82			CONE B		15 EXB	.94

SCORE	OBSERVED		PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
81.0	10-2		153.9	88.8	.22S	.98N	249.2	12.8	1.00D	.09N	346.5	44.8	243.6	12.7	141.7	42.4
			157.7	73.4	.37S	.93N	283.6	27.0	.78D	.63N	5.8	56.3	241.3	20.7	141.0	25.3
ROTATION ABOUT A,C,B AXIS																
	-13.4		157.7	73.4	.14S	.99N	311.0	18.5	.43D	.90N	349.8	60.8	245.4	7.9	151.2	27.9
	37.4		157.7	73.4	.86S	.51N	257.5	60.4	.94D	.33N	24.2	33.5	222.2	55.2	119.8	8.5
	-51.2		103.3	63.0	0D	1.00N	283.6	27.0	0S	1.00N	283.1	72.0	13.4	.1	103.4	18.0
	12.8		169.9	78.4	.42S	.91N	283.6	27.0	.90D	.44N	17.5	50.5	254.6	24.1	150.1	29.2
	-19.2		166.2	55.7	.43S	.90N	306.2	41.7	.53D	.85N	39.7	67.9	241.3	20.7	148.5	7.4
	12.8		153.0	85.3	.35S	.94N	255.2	21.2	.97D	.23N	354.2	45.8	241.3	20.7	134.8	36.9
			CONE A		45 EXA	.50		CONE C		40 EXC .37			CONE B		57 EXB	.21

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SCORE	OBSERVED		PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 115	94.5	17-1	313.1	24.6	.93S	.37N	62.9	81.2	.39D	.92N	218.0	48.7	336.6	22.8	82.0	32.3
			324.9	38.5	.98S	.21N	64.3	82.6	.61D	.79N	209.7	40.1	340.0	37.5	93.6	27.5
ROTATION ABOUT A,C,B AXIS																
	-10.2		324.9	38.5	.93S	.38N	72.6	76.4	.59D	.81N	215.4	46.0	352.4	35.2	99.6	22.8
	7.0		324.9	38.5	1.00S	.09N	58.8	86.9	.62D	.78N	205.8	36.3	331.2	38.3	89.6	31.0
	-28.8		295.3	11.7	.77S	.64N	64.3	82.6	.16D	.99N	234.0	51.6	335.5	9.0	72.3	37.0
	19.2		329.5	57.4	.99S	.15N	64.3	82.6	.84D	.54N	202.0	28.2	345.6	56.3	102.7	16.9
	-5.6		333.9	37.6	1.00S	.09N	67.7	87.0	.61D	.79N	215.2	36.6	340.0	37.5	98.1	31.5
	2.4		321.1	39.0	.97S	.26N	62.8	80.7	.62D	.79N	207.1	41.6	340.0	37.5	91.8	25.8
			CONE A		20 EXA	.83		CONE C		12 EXC .53			CONE B		29 EXB	.64

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 116	92.6	12-1	288.4	25.8	.84S	.54N	48.7	76.3	.38D	.93N	202.2	53.5	324.2	21.4	66.2	28.0
			290.3	76.4	1.00S	.07T	199.3	86.1	.97D	.24T	155.5	6.8	273.6	75.8	64.0	12.4
ROTATION ABOUT A,C,B AXIS																
	-63.0		290.3	76.4	.52S	.86N	41.7	33.6	.90D	.43N	144.1	49.0	12.2	30.1	266.5	25.0
	63.0		290.3	76.4	.39S	.92T	171.1	26.5	.85D	.53T	308.5	27.8	206.0	22.3	83.0	53.0
	-64.0		306.7	12.9	.95S	.31T	199.3	86.1	.21D	.98T	187.9	39.9	288.4	12.3	32.2	47.5
	89.6		94.0	14.6	.96S	.27N	199.3	86.1	.24D	.97N	4.7	47.1	110.3	14.0	212.2	39.5
	-19.2		309.8	78.4	.99S	.15T	218.1	81.8	.98D	.20T	174.2	2.4	273.6	75.8	83.7	14.0
	32.0		257.3	76.3	1.00S	.07N	348.2	86.2	.97D	.24N	123.7	12.3	273.6	75.8	32.2	6.9
			CONE A		89 EXA	.67	CONE C		80 EXC	.59			CONE B		139 EXB	.18

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	92.4	12-1	101.1	60.5	.58S	.81N	225.6	45.0	.72D	.70N	332.3	58.0	171.7	30.5	76.5	8.7
			289.4	85.8	1.00S	.07N	19.7	86.0	1.00D	.07N	154.4	5.8	333.0	84.2	64.4	.1
ROTATION ABOUT A,C,B AXIS																
	-88.6		289.4	85.8	.09S	1.00T	161.5	6.8	.79D	.62T	294.4	40.6	199.8	5.4	103.6	48.9
	63.0		289.4	85.8	.39S	.92N	29.3	23.4	.98D	.19N	132.1	44.5	17.6	22.9	269.3	36.7
	-76.8		122.2	17.9	.97S	.23T	19.7	86.0	.30D	.95T	4.0	38.6	108.5	17.4	217.6	46.2
	64.0		279.8	22.1	.98S	.18N	19.7	86.0	.37D	.93N	178.0	44.8	291.3	21.7	38.9	37.3
	-22.4		311.9	84.6	1.00S	.04N	42.1	87.9	1.00D	.09N	176.8	5.3	333.0	84.2	86.6	2.3
	28.8		260.7	88.2	1.00S	.10N	350.9	84.5	1.00D	.03N	126.0	5.2	333.0	84.2	216.3	2.6
			CONE A		85 EXA	.64	CONE C		88 EXC	.66			CONE B		146 EXB	.07

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 117	92.3	17-1	321.3	55.2	.97S	.25T	223.0	78.3	.81D	.58T	186.6	15.1	297.3	52.7	86.4	33.2
			313.6	71.5	.99S	.12T	221.3	83.2	.95D	.32T	178.8	8.1	292.0	70.2	86.1	17.9
ROTATION ABOUT A,C,B AXIS																
	-13.4		313.6	71.5	.94S	.35T	216.8	70.5	.94D	.34T	355.1	.7	263.8	62.6	85.4	27.4
	43.8		313.6	71.5	.80S	.60N	56.9	55.5	.92D	.38N	180.2	38.6	20.5	49.6	278.4	10.1
	-9.6		312.4	81.0	.99S	.12T	221.3	83.2	.99D	.16T	177.0	1.5	274.7	78.7	86.7	11.2
	64.0		353.8	10.0	.73S	.68T	221.3	83.2	.13D	.99T	214.7	37.8	310.4	7.3	49.6	51.3
	-9.6		323.6	73.0	.98S	.18T	230.6	80.2	.95D	.30T	188.0	5.0	292.0	70.2	96.3	19.1
	1.4		312.1	71.3	.99S	.12T	220.0	83.7	.95D	.32T	177.2	8.6	292.0	70.2	84.5	17.7
			CONE A		28 EXA	.85	CONE C		25 EXC	.81			CONE B		65 EXB	.22

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 118	100.0	16-0	312.4	51.2	.75S	.66N	71.3	59.0	.68D	.73N	196.5	53.8	7.0	35.8	100.3	4.5
			312.4	51.2	.75S	.66N	71.3	59.0	.68D	.73N	196.5	53.8	7.0	35.8	100.3	4.5
ROTATION ABOUT A,C,B AXIS																
	-8.6		312.4	51.2	.64S	.77N	79.2	53.4	.62D	.78N	197.5	59.9	14.7	30.1	105.4	1.2
	13.4		312.4	51.2	.88S	.47N	60.8	68.6	.74D	.67N	193.7	44.5	352.7	43.5	93.0	10.7
	-25.6		282.7	35.1	.45S	.89N	71.3	59.0	.30D	.95N	212.0	70.4	350.5	14.9	83.8	12.4
	9.6		319.9	58.7	.80S	.60N	71.3	59.0	.79D	.61N	195.7	47.1	15.3	42.9	105.5	.2
	-0.2		312.6	51.1	.75S	.66N	71.5	59.1	.68D	.73N	196.7	53.8	7.0	35.8	100.4	4.6
	11.2		302.6	59.0	.68S	.73N	61.5	51.2	.75D	.66N	177.5	53.8	7.0	35.8	273.7	4.5
			CONE A		20 EXA	.68	CONE C		16 EXC	.48			CONE B		28 EXB	.38

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 119	100.0	8-0	337.1	53.2	.31S	.95T	185.3	40.3	.38D	.93T	349.7	6.6	258.0	14.2	104.1	74.3
			336.9	53.3	.31S	.95T	185.4	40.3	.38D	.92T	349.5	6.7	257.8	14.4	103.8	74.1
ROTATION ABOUT A,C,B AXIS																
	-24.6		336.9	53.3	.11D	.99T	145.9	37.2	.15S	.99T	332.1	8.1	62.9	5.3	185.8	80.3
	31.0		336.9	53.3	.75S	.66T	219.4	58.3	.71D	.70T	189.2	2.9	281.4	37.3	95.3	52.5
	-32.0		303.9	68.0	.57S	.82T	185.4	40.3	.81D	.58T	328.6	15.9	228.4	31.8	81.3	53.5
	38.4		25.8	51.5	.23D	.97T	185.4	40.3	.27S	.96T	16.6	5.7	107.6	10.2	257.9	78.3
	-32.0		346.3	84.1	.25S	.97T	234.7	15.6	.92D	.38T	359.1	37.5	257.8	14.4	150.7	48.9
	44.8		284.7	16.0	.90S	.44T	169.6	83.1	.25D	.97T	156.9	36.5	257.8	14.4	5.5	49.9
			CONE A		74 EXA	.08	CONE C		65 EXC	.28			CONE B		63 EXB	.21

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	100.0	8-0	128.9	70.6	.74S	.68T	22.0	50.4	.90D	.43T	161.2	12.5	58.8	44.1	263.1	43.2
			185.4	40.3	.38D	.92T	336.9	53.3	.31S	.95T	349.6	6.7	257.9	14.3	104.1	74.1
ROTATION ABOUT A,C,B AXIS																
	-31.0		185.4	40.3	.80D	.59T	304.8	67.4	.56S	.83T	329.2	15.5	229.5	31.3	81.9	54.2
	37.4		185.4	40.3	.26S	.97T	24.6	51.3	.21D	.98T	16.0	5.6	106.9	9.6	256.2	78.9
	-25.6		144.3	37.4	.17S	.98T	336.9	53.3	.13D	.99T	331.4	8.0	62.3	6.1	189.2	79.9
	28.8		217.6	56.7	.70D	.72T	336.9	53.3	.73S	.68T	188.0	2.0	279.4	35.8	95.3	54.1
	-38.4		171.3	76.9	.25D	.97T	302.0	19.6	.74S	.67T	159.3	30.4	257.9	14.3	9.9	55.7
	32.0		234.5	15.6	.92D	.38T	346.3	84.1	.25S	.97T	359.2	37.5	257.9	14.3	150.9	48.9
			CONE A		62 EXA	.23	CONE C		69 EXC	.03			CONE B		61 EXB	.20

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 120	100.0	11-0	359.1	83.0	.21S	.98T	239.3	13.9	.86D	.51T	9.7	36.9	270.6	11.9	165.7	50.6
			359.1	83.0	.21S	.98T	239.3	13.9	.86D	.51T	9.7	36.9	270.6	11.9	165.7	50.6
ROTATION ABOUT A,C,B AXIS																
	-5.4		359.1	83.0	.11S	.99T	222.6	9.6	.68D	.73T	4.9	37.7	269.9	6.5	171.6	51.6
	.2		359.1	83.0	.21S	.98T	239.7	14.0	.86D	.50T	9.8	36.9	270.6	12.1	165.5	50.5
	-44.8		135.5	86.6	.23S	.97N	239.3	13.9	.97D	.25N	329.3	46.8	224.6	13.4	123.0	40.1
	44.8		44.2	76.6	.06S	1.00T	239.3	13.9	.25D	.97T	47.2	31.5	315.1	3.5	219.4	58.3
	-2.0		359.5	85.0	.21S	.98T	247.0	13.0	.92D	.39T	10.4	38.9	270.6	11.9	166.7	48.7
	3.2		358.4	79.9	.21S	.98T	229.1	15.7	.76D	.65T	8.7	33.8	270.6	11.9	164.0	53.6
			CONE A		22 EXA	.94	CONE C		5 EXC	.07			CONE B		22 EXB	.94

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	100.0	11-0	150.7	89.6	.18S	.98N	242.8	10.6	1.00D	.04N	341.2	44.4	240.6	10.6	140.3	43.6
			150.7	89.6	.18S	.98N	242.8	10.6	1.00D	.04N	341.2	44.4	240.6	10.6	140.3	43.6
ROTATION ABOUT A,C,B AXIS																
	-3.8		150.7	89.6	.12S	.99N	244.0	6.8	1.00D	.06N	337.4	45.0	240.6	6.8	143.9	44.2
	1.4		150.7	89.6	.21S	.98N	242.6	12.0	1.00D	.03N	342.5	44.2	240.6	12.0	139.0	43.4
	-25.6		125.4	85.1	.16S	.99N	242.8	10.6	.88D	.47N	315.6	49.1	214.6	9.4	116.8	39.4
	64.0		34.2	80.7	.09S	1.00T	242.8	10.6	.47D	.88T	38.6	35.5	305.0	5.0	208.1	54.0
	-0.7		150.8	88.9	.18S	.98N	246.6	10.7	.99D	.10N	341.4	45.1	240.6	10.6	140.6	42.9
	4.8		329.8	85.7	.18S	.98T	217.9	11.5	.93D	.38T	339.6	39.8	240.6	10.6	138.5	48.2
			CONE A		22 EXA	.94	CONE C		5 EXC	.05			CONE B		22 EXB	.94

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	86.8	11-1	37.2	52.2	.39S	.92T	252.1	43.4	.45D	.89T	53.4	4.6	321.9	18.1	157.2	71.3
			31.0	43.6	.52S	.86T	250.9	53.8	.44D	.90T	232.6	5.4	324.7	20.9	128.8	68.3
ROTATION ABOUT A,C,B AXIS																
	-11.8		31.0	43.6	.33S	.94T	236.9	49.4	.30D	.95T	224.6	3.0	315.3	13.2	122.1	76.5
	5.4		31.0	43.6	.60S	.80T	256.7	56.4	.49D	.87T	236.2	6.9	329.3	24.3	131.3	64.6
	-64.0		160.8	89.8	.81S	.59N	250.9	53.8	1.00D	0N	19.7	24.8	250.5	53.8	121.9	24.5
	19.2		59.1	36.7	.17S	.99T	250.9	53.8	.12D	.99T	245.9	8.6	336.8	5.7	100.0	79.7
	-8.0		36.4	50.6	.46S	.89T	255.8	46.8	.49D	.87T	55.5	2.0	324.7	20.9	150.7	69.0
	19.2		10.2	28.6	.75S	.67T	242.1	71.4	.38D	.93T	225.2	23.3	324.7	20.9	92.1	57.8
			CONE A		48 EXA	.67	CONE C		22 EXC	.37			CONE B		38 EXB	.79

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SCORE	OBSERVED		PLANE A AZ	DIP	COMPONENT STRIKE	DIP	PLANE C AZ	DIP	COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
* NO. 140	89.2	11-1	81.1	5.2	.80S	.59N	207.5	86.9	.07D	1.00N	23.0	47.9	117.7	4.2	211.5	41.8
			56.1	11.9	.59S	.81N	199.3	80.4	.12D	.99N	10.7	54.1	110.5	7.0	205.4	35.0
ROTATION ABOUT A,C,B AXIS																
-31.0			56.1	11.9	.09S	1.00N	230.8	78.1	.02D	1.00N	49.3	56.9	141.0	1.1	231.7	33.1
88.6			56.1	11.9	.82S	.57T	291.9	83.2	.17D	.99T	283.1	37.4	20.7	9.8	122.9	50.8
-1.6			49.4	11.1	.49S	.87N	199.3	80.4	.10D	1.00N	12.6	54.3	110.2	5.4	204.0	35.2
4.0			69.0	14.6	.75S	.66N	199.3	80.4	.19D	.98N	6.1	53.3	111.2	11.0	208.9	34.5
-4.8			75.6	8.5	.82S	.57N	199.9	85.2	.12D	.99N	12.3	49.3	110.5	7.0	206.4	39.8
2.0			51.1	13.6	.52S	.85N	199.1	78.4	.12D	.99N	10.0	56.0	110.5	7.0	205.1	33.0
			CONE A		6 EXA	.18		CONE C		29 EXC	.94		CONE B		26 EXB	.95

SCORE	OBSERVED		PLANE A AZ	DIP	COMPONENT STRIKE	DIP	PLANE C AZ	DIP	COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
88.7	11-1		62.8	8.4	.86S	.51T	302.1	85.7	.13D	.99T	295.5	40.3	31.6	7.2	129.9	48.8
			53.4	22.0	.88S	.47T	296.9	79.8	.33D	.94T	280.7	32.0	23.3	19.2	139.1	51.4
ROTATION ABOUT A,C,B AXIS																
-8.6			53.4	22.0	.80S	.60T	288.6	77.0	.31D	.95T	274.2	29.8	14.5	17.4	130.6	54.6
101.4			53.4	22.0	.29S	.96N	215.3	69.0	.12D	.99N	24.0	65.4	127.7	6.2	220.4	23.7
-4.0			49.0	25.5	.91S	.41T	296.9	79.8	.40D	.92T	277.7	30.8	22.5	23.2	142.9	49.7
8.0			67.8	15.4	.74S	.67T	296.9	79.8	.20D	.98T	287.0	33.8	24.8	11.4	130.8	53.8
-4.0			62.1	24.1	.81S	.59T	298.3	76.0	.34D	.94T	282.5	28.3	23.3	19.2	142.8	54.7
2.0			48.5	21.1	.92S	.40T	296.2	81.7	.33D	.94T	279.8	33.9	23.3	19.2	137.5	49.6
			CONE A		8 EXA	.50		CONE C		26 EXC	.95		CONE B		36 EXB	.89

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SCORE	OBSERVED		PLANE A AZ	DIP	COMPONENT STRIKE	DIP	PLANE C AZ	DIP	COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
* NO. 141	89.9	17-1	60.5	19.5	1.00S	.02T	329.6	89.7	.33D	.94T	311.2	41.5	59.5	19.5	168.2	42.1
			63.2	23.8	1.00S	.08T	329.2	88.2	.40D	.92T	307.8	38.7	58.4	23.7	171.7	42.0
ROTATION ABOUT A,C,B AXIS																
-27.8			63.2	23.8	.85S	.53T	303.3	77.6	.35D	.94T	286.7	29.7	28.7	20.0	147.6	53.0
21.4			63.2	23.8	.96S	.29N	168.8	83.2	.39D	.92N	325.1	46.9	81.7	22.7	188.3	34.3
-0.6			63.0	24.4	1.00S	.07T	329.2	88.2	.41D	.91T	307.4	38.5	58.4	24.3	172.2	41.8
16.0			71.9	7.9	.98S	.22T	329.2	88.2	.13D	.99T	321.7	42.7	58.9	7.7	157.0	46.3
-1.8			67.6	24.0	.99S	.15T	329.9	86.6	.40D	.92T	309.0	37.2	58.4	23.7	173.0	43.5
3.6			54.2	23.8	1.00S	.07N	147.7	88.5	.40D	.92N	305.3	41.7	58.4	23.7	169.2	39.0
			CONE A		9 EXA	.67		CONE C		16 EXC	.89		CONE B		29 EXB	.66

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SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 142 100.0	7-0	75.0	25.4	.50S	.87N	222.7	68.1	.23D	.97N	20.6	64.5	137.7	12.3	232.8	22.0
		75.0	25.4	.50S	.87N	222.7	68.1	.23D	.97N	20.6	64.5	137.7	12.3	232.8	22.0
ROTATION ABOUT A,C,B AXIS															
-8.6		75.0	25.4	.36S	.93N	231.8	66.4	.17D	.99N	33.8	67.2	145.7	8.9	239.1	20.8
56.6		75.0	25.4	1.00S	.06N	168.3	88.4	.43D	.90N	324.5	41.2	79.0	25.4	191.0	38.2
-4.0		66.3	23.7	.37S	.93N	222.7	68.1	.16D	.99N	26.7	65.7	136.2	8.6	229.8	22.6
16.0		99.0	36.0	.77S	.63N	222.7	68.1	.49D	.87N	3.6	56.7	144.5	27.0	244.0	18.0
-11.2		94.7	16.6	.75S	.67N	225.3	79.0	.22D	.98N	30.0	54.3	137.7	12.3	235.8	32.9
6.4		68.9	31.1	.41S	.91N	221.0	61.9	.24D	.97N	11.4	69.8	137.7	12.3	231.2	15.8
		CONE A		19 EXA	.12	CONE C		34 EXC	.73			CONE B		36 EXB	.69

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
89.0	7-1	248.9	46.2	.15S	.99N	56.1	44.5	.16D	.99N	145.0	83.5	332.7	6.4	242.6	.9
		282.1	64.4	.73S	.68N	34.2	51.8	.84D	.55N	152.3	47.9	347.4	41.1	250.7	7.6
ROTATION ABOUT A,C,B AXIS															
-24.6		282.1	64.4	.38S	.93N	58.7	33.4	.62D	.79N	139.1	63.6	2.1	19.9	265.9	16.6
88.6		282.1	64.4	.70S	.71T	168.4	50.1	.83D	.56T	312.1	8.5	215.1	39.3	52.2	49.4
-44.8		233.0	39.7	.25S	.97N	34.2	51.8	.21D	.98N	165.6	78.8	311.6	9.3	42.6	6.1
76.8		154.5	57.2	.68S	.73T	34.2	51.8	.73D	.69T	183.3	3.1	91.1	34.8	277.7	55.0
-22.4		303.1	50.6	.85S	.53N	54.6	66.0	.72D	.69N	185.8	47.4	347.4	41.1	85.6	9.3
32.0		259.3	87.8	.66S	.75N	351.9	41.2	1.00D	.06N	113.5	34.0	347.4	41.1	226.7	30.3
		CONE A		81 EXA	.55	CONE C		78 EXC	.52			CONE B		117 EXB	.07

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SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 143 93.0	15-1	102.4	31.7	.93S	.38T	353.3	78.6	.50D	.87T	330.0	27.5	76.9	29.1	204.9	47.9
		101.3	74.0	1.00S	.02N	191.6	88.9	.96D	.28N	327.7	12.1	105.5	73.9	235.4	10.5
ROTATION ABOUT A,C,B AXIS															
-56.6		101.3	74.0	.57S	.82T	349.4	37.7	.89D	.45T	126.8	21.4	22.0	33.1	243.5	49.0
63.0		101.3	74.0	.44S	.90N	220.9	30.1	.84D	.55N	312.7	53.8	183.6	24.8	81.4	24.6
-89.6		285.4	16.5	1.00S	.07T	191.6	88.9	.28D	.96T	176.0	41.7	281.2	16.4	27.6	43.8
57.6		97.7	16.4	1.00S	.07N	191.6	88.9	.28D	.96N	355.5	43.8	101.9	16.4	207.1	41.7
-19.2		121.2	74.5	1.00S	.07T	30.1	85.9	.96D	.27T	346.5	8.0	105.5	73.9	254.5	13.9
19.2		81.4	75.3	.99S	.11N	173.0	83.7	.97D	.26N	307.9	14.9	105.5	73.9	216.3	5.9
		CONE A		75 EXA	.74	CONE C		68 EXC	.68			CONE B		133 EXB	.19

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SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 144 100.0	12-0	100.8	41.3	.81S	.59N	219.6	67.1	.58D	.82N	355.8	53.8	145.0	32.2	244.6	14.8
		103.2	43.7	.82S	.57N	219.7	66.9	.62D	.79N	354.4	52.0	146.9	34.7	246.5	13.5
ROTATION ABOUT A,C,B AXIS															
-11.8		103.2	43.7	.69S	.72N	230.4	60.0	.55D	.83N	359.6	59.8	158.7	28.5	253.7	9.1
63.0		103.2	43.7	.88S	.48T	351.9	70.8	.64D	.77T	323.6	16.2	66.4	37.4	214.7	48.1
-22.4		75.6	27.8	.54S	.84N	219.7	66.9	.27D	.96N	13.0	64.6	136.0	14.5	231.5	20.4
32.0		121.7	71.9	.91S	.41N	219.7	66.9	.94D	.34N	349.6	29.8	177.2	60.0	81.5	3.3
-0.6		103.9	43.4	.83S	.56N	220.1	67.4	.62D	.79N	355.3	51.8	146.9	34.7	246.8	14.0
11.2		91.3	50.8	.73S	.68N	211.6	58.3	.67D	.74N	336.1	55.0	146.9	34.7	239.9	4.3
		CONE A	25 EXA	.78		CONE C	30 EXC	.84				CONE B	64 EXB	.27	

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SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
100.0	12-0	279.2	85.5	.31S	.95N	22.9	18.4	.97D	.25N	117.6	46.6	7.8	17.8	263.3	38.0
		279.2	85.5	.31S	.95N	22.9	18.4	.97D	.25N	117.6	46.6	7.8	17.8	263.3	38.0
ROTATION ABOUT A,C,B AXIS															
-15.0		279.2	85.5	.05S	1.00N	66.8	5.3	.54D	.84N	102.3	49.4	9.0	2.8	276.6	40.4
.2		279.2	85.5	.31S	.95N	22.8	18.6	.97D	.25N	117.8	46.5	7.8	18.0	263.1	37.9
-32.0		248.0	76.8	.22S	.97N	22.9	18.4	.69D	.72N	84.6	56.3	335.0	12.6	237.4	30.6
8.0		286.9	88.0	.31S	.95N	22.9	18.4	.99D	.11N	124.9	44.1	16.2	18.3	269.9	40.3
-9.6		282.3	76.4	.31S	.95N	47.7	22.7	.79D	.61N	125.0	55.0	7.8	17.8	267.5	29.1
11.2		95.8	83.8	.31S	.95T	347.4	18.9	.94D	.33T	111.5	36.3	7.8	17.8	256.8	48.2
		CONE A	29 EXA	.48		CONE C	18 EXC	.27				CONE B	25 EXB	.62	

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SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 155 100.0	19-0	109.7	76.1	.45S	.89N	225.0	30.1	.88D	.48N	320.6	51.4	192.7	26.1	88.7	26.2
		291.0	88.7	.94S	.35T	200.5	69.6	1.00D	.02T	334.0	13.4	204.6	69.5	67.7	15.3
ROTATION ABOUT A,C,B AXIS															
-56.6		291.0	88.7	.22S	.97T	195.3	13.0	.99D	.10T	303.4	42.3	201.3	13.0	98.0	44.8
75.8		291.0	88.7	.57S	.82N	22.9	34.6	1.00D	.04N	141.1	36.7	20.1	34.6	261.8	34.5
-57.6		83.0	38.9	.83S	.56N	200.5	69.6	.56D	.83N	339.9	52.9	123.7	31.4	224.9	17.7
64.0		327.8	31.5	.75S	.67T	200.5	69.6	.42D	.91T	182.2	20.9	281.5	22.9	54.3	58.1
-14.4		124.5	86.3	.94S	.34N	215.9	69.9	1.00D	.07N	348.5	16.8	204.6	69.5	82.0	11.4
11.2		280.5	84.8	.94S	.34T	188.6	70.3	1.00D	.10T	323.0	10.1	204.6	69.5	56.2	17.7
		CONE A	56 EXA	.79		CONE C	58 EXC	.81				CONE B	127 EXB	.08	

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 161 100.0	13-0	66.5	5.2	.49S	.87N	217.3	85.5	.04D	1.00N	34.6	49.4	127.5	2.5	219.6	40.4
		66.5	5.2	.49S	.87N	217.3	85.5	.04D	1.00N	34.6	49.4	127.5	2.5	219.6	40.4
ROTATION ABOUT A,C,B AXIS															
-6.2		66.5	5.2	.39S	.92N	223.5	85.3	.04D	1.00N	41.3	49.7	133.7	2.0	225.4	40.3
10.2		66.5	5.2	.63S	.77N	207.1	86.0	.06D	1.00N	23.5	48.9	117.3	3.3	210.2	40.9
-0.3		63.5	5.0	.44S	.90N	217.3	85.5	.04D	1.00N	34.9	49.5	127.5	2.2	219.4	40.5
2.0		82.4	6.4	.71S	.71N	217.3	85.5	.08D	1.00N	32.4	49.3	127.7	4.5	221.5	40.3
-2.8		93.2	3.0	.83S	.56N	217.4	88.3	.04D	1.00N	34.8	46.6	127.5	2.5	219.9	43.2
1.0		61.9	6.0	.41S	.91N	217.3	84.5	.04D	1.00N	34.5	50.4	127.5	2.5	219.6	39.5
		CONE A		3 EXA	.39	CONE C		8 EXC	.77			CONE B		6 EXB	.86

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
89.0	13-1	126.0	50.1	.97S	.25N	225.4	78.9	.76D	.65N	3.9	36.1	148.0	48.0	259.8	18.5
		131.1	69.0	.99S	.13N	223.8	83.1	.93D	.36N	359.3	19.8	151.0	67.8	265.7	9.7
ROTATION ABOUT A,C,B AXIS															
-11.8		131.1	69.0	.94S	.33N	228.2	72.2	.93D	.38N	.4	28.0	175.3	61.9	269.3	2.1
11.8		131.1	69.0	1.00S	.08T	39.5	85.9	.93D	.36T	357.0	11.7	118.9	68.6	263.3	17.7
-64.0		79.3	8.4	.58S	.82N	223.8	83.1	.09D	1.00N	38.2	51.7	134.3	4.8	228.1	37.9
102.4		351.7	11.1	.78S	.62T	223.8	83.1	.15D	.99T	216.0	37.5	312.7	8.7	53.6	51.1
-4.0		135.4	68.6	.99S	.10N	227.5	84.6	.93D	.37N	3.5	19.0	151.0	67.8	269.6	11.1
4.8		126.0	69.7	.99S	.16N	219.2	81.4	.94D	.35N	354.2	20.6	151.0	67.8	261.2	8.0
		CONE A		38 EXA	.95	CONE C		14 EXC	.63			CONE B		63 EXB	.86

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
93.1	13-1	306.9	88.8	.05S	1.00T	195.2	3.2	.93D	.37T	309.9	43.7	217.0	3.0	123.9	46.1
		121.2	78.6	.76S	.65N	220.8	50.3	.97D	.26N	342.9	36.3	198.3	48.0	86.9	18.2
ROTATION ABOUT A,C,B AXIS															
-21.4		121.2	78.6	.47S	.88N	231.7	30.0	.92D	.40N	331.3	48.8	205.2	27.3	99.1	28.2
10.2		121.2	78.6	.86S	.51N	217.8	60.2	.97D	.23N	345.6	29.5	192.6	57.6	82.6	12.2
-57.6		67.1	42.8	.34S	.94N	220.8	50.3	.30D	.95N	338.8	76.0	142.2	13.4	233.1	3.9
38.4		326.4	72.1	.74S	.67T	220.8	50.3	.92D	.40T	359.0	13.6	255.1	44.8	101.5	42.0
-6.4		126.2	74.5	.77S	.64N	228.7	52.2	.94D	.34N	350.4	38.5	198.3	48.0	92.0	14.2
2.8		119.0	80.4	.75S	.66N	217.3	49.6	.98D	.22N	339.8	35.2	198.3	48.0	84.6	19.9
		CONE A		30 EXA	.90	CONE C		17 EXC	.71			CONE B		55 EXB	.67

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 177	100.0	10-0	159.3	28.3	.66S	.76N	294.7	69.0	.33D	.94N	85.5	61.2	211.9	18.1	309.4	21.7
			159.3	28.3	.66S	.76N	294.7	69.0	.33D	.94N	85.5	61.2	211.9	18.1	309.4	21.7
ROTATION ABOUT A,C,B AXIS																
	-15.0		159.3	28.3	.44S	.90N	310.3	64.8	.23D	.97N	105.3	67.5	226.1	12.0	320.2	18.8
	15.0		159.3	28.3	.83S	.56N	280.0	74.6	.41D	.91N	70.6	54.1	196.8	23.1	298.7	25.8
	-14.4		128.5	21.6	.22S	.97N	294.7	69.0	.09D	1.00N	106.0	65.6	206.5	4.7	298.6	23.8
	2.4		162.9	29.9	.70S	.72N	294.7	69.0	.37D	.93N	83.0	60.0	212.9	20.3	311.1	21.1
	-19.2		202.5	18.3	.99S	.16N	301.0	87.2	.31D	.95N	102.9	44.9	211.9	18.1	317.6	39.5
	8.0		150.0	34.7	.55S	.84N	291.7	61.5	.35D	.94N	72.4	66.7	211.9	18.1	306.6	14.1
			CONE A		21 EXA	.38	CONE C		29 EXC	.09			CONE B		22 EXB	.44

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 194	87.1	17-2	223.4	78.1	.37S	.93N	340.8	24.6	.87D	.50N	68.5	52.1	308.7	21.2	205.9	29.8
			223.2	79.9	.46S	.89N	331.9	28.9	.93D	.36N	72.2	48.0	308.1	26.8	201.4	29.7
ROTATION ABOUT A,C,B AXIS																
	-21.4		223.2	79.9	.10S	.99N	12.7	11.6	.50D	.87N	50.5	54.7	312.2	5.8	218.2	34.6
	24.6		223.2	79.9	.79S	.62N	321.0	52.6	.98D	.22N	85.2	33.6	300.7	50.8	187.5	17.8
	-2.0		221.4	79.0	.45S	.89N	331.9	28.9	.92D	.39N	70.6	48.9	305.9	26.4	200.0	28.9
	8.0		230.4	83.7	.47S	.88N	331.9	28.9	.97D	.23N	78.2	44.1	317.0	28.1	206.9	32.8
	-7.2		226.7	73.6	.47S	.88N	344.6	32.2	.85D	.53N	80.2	53.0	308.1	26.8	205.4	23.5
	4.8		221.0	84.2	.45S	.89N	322.2	27.5	.98D	.22N	67.6	44.3	308.1	26.8	198.4	33.8
			CONE A		11 EXA	.17	CONE C		23 EXC	.74			CONE B		21 EXB	.78

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	90.3	17-2	30.0	25.6	.72S	.69N	161.0	72.6	.33D	.95N	315.1	58.2	76.9	18.1	175.8	25.2
			30.0	25.6	.72S	.69N	161.0	72.6	.33D	.95N	315.1	58.2	76.9	18.1	175.8	25.2
ROTATION ABOUT A,C,B AXIS																
	-50.2		30.0	25.6	.07D	1.00N	214.6	64.5	.03S	1.00N	38.9	70.4	303.8	1.8	213.2	19.5
	37.4		30.0	25.6	.99S	.11N	125.9	87.2	.43D	.90N	281.7	42.3	37.3	25.4	148.3	37.1
	-0.9		28.6	24.9	.70S	.71N	161.0	72.6	.31D	.95N	316.2	58.5	76.6	17.2	175.1	25.5
	9.6		42.3	33.1	.84S	.55N	161.0	72.6	.48D	.88N	306.3	53.5	80.3	27.2	182.5	22.4
	-8.0		46.5	20.8	.88S	.48N	163.7	80.2	.32D	.95N	322.7	51.4	76.9	18.1	179.0	32.7
	0		30.0	25.6	.72S	.69N	161.0	72.6	.33D	.95N	315.1	58.2	76.9	18.1	175.8	25.2
			CONE A		9 EXA	.24	CONE C		26 EXC	.91			CONE B		30 EXB	.88

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 216	100.0	10-0	7.5	58.0	.73S	.68N	123.8	54.8	.76D	.65N	243.9	51.5	67.8	38.4	336.3	1.9
			7.5	58.0	.73S	.68N	123.8	54.8	.76D	.65N	243.9	51.5	67.8	38.4	336.3	1.9
ROTATION ABOUT A,C,B AXIS																
	-24.6		7.5	58.0	.38S	.92N	149.5	38.5	.52D	.85N	234.4	68.3	85.1	18.9	351.5	10.3
	24.6		7.5	58.0	.95S	.31N	107.5	74.6	.84D	.55N	241.9	34.3	39.5	53.6	144.5	10.8
	-38.4		322.5	36.7	.26S	.96N	123.8	54.8	.19D	.98N	266.2	77.0	40.2	9.1	131.7	9.2
	44.8		216.2	86.5	.82S	.58T	123.8	54.8	1.00D	.08T	254.6	21.4	131.2	54.5	356.0	26.8
	-19.2		27.0	46.3	.86S	.51N	139.4	68.3	.67D	.74N	273.8	48.6	67.8	38.4	168.5	13.1
	16.0		355.1	69.5	.66S	.75N	106.7	45.5	.87D	.49N	219.6	48.0	67.8	38.4	326.1	14.4
			CONE A		54 EXA	.58	CONE C		42 EXC	.28			CONE B		64 EXB	.41

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	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 241	90.6	10-1	58.0	6.8	.86S	.52T	297.1	86.5	.10D	.99T	291.6	41.2	26.7	5.8	123.2	48.2
			54.0	10.7	.87S	.50T	294.4	84.7	.16D	.99T	286.1	39.0	23.6	9.2	124.5	49.5
ROTATION ABOUT A,C,B AXIS																
	-56.6		54.0	10.7	.06S	1.00T	237.5	79.3	.01D	1.00T	237.0	34.3	327.4	.6	58.3	55.7
	18.2		54.0	10.7	.98S	.20T	312.4	87.8	.18D	.98T	302.4	41.9	42.0	10.5	143.1	46.2
	-6.4		42.7	16.5	.95S	.33T	294.4	84.7	.27D	.96T	280.5	37.8	23.0	15.6	131.1	48.0
	2.0		60.4	9.0	.81S	.59T	294.4	84.7	.13D	.99T	287.9	39.3	23.8	7.2	122.4	49.8
	-1.2		59.3	11.3	.82S	.58T	294.6	83.5	.16D	.99T	286.4	37.8	23.6	9.2	125.0	50.7
	1.0		49.1	10.2	.90S	.43T	294.3	85.7	.16D	.99T	285.8	40.0	23.6	9.2	124.2	48.5
			CONE A		4 EXA	.74	CONE C		13 EXC	.97			CONE B		25 EXB	.89

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	75.8	10-2	36.3	39.7	.93S	.36T	289.8	76.7	.61D	.79T	261.9	22.4	9.7	36.6	147.6	45.0
			19.0	88.8	1.00S	.01T	289.0	89.4	1.00D	.02T	243.0	.4	351.4	88.6	153.0	1.3
ROTATION ABOUT A,C,B AXIS																
	-88.6		19.0	88.8	.01S	1.00T	231.3	1.4	.53D	.85T	19.9	43.8	289.1	.8	198.3	46.2
	75.8		19.0	88.8	.26S	.97N	113.6	14.9	1.00D	.08N	213.6	44.3	108.7	14.8	5.0	42.0
	-76.8		196.6	14.4	1.00S	.04N	289.0	89.4	.25D	.97N	94.9	43.8	199.2	14.4	302.9	42.6
	76.8		22.0	12.0	1.00S	.05T	289.0	89.4	.21D	.98T	277.4	43.2	18.9	12.0	120.9	44.3
	-19.2		38.2	89.1	1.00S	.02T	308.2	89.0	1.00D	.02T	84.4	.1	351.4	88.6	174.4	1.4
	44.8		334.2	88.7	1.00S	.01N	64.2	89.6	1.00D	.02N	199.3	1.2	351.4	88.6	109.3	.7
			CONE A		99 EXA	.58	CONE C		103 EXC	.61			CONE B		159 EXB	.07

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
80.7	10-2	211.0	53.0	.95S	.32T	109.5	75.1	.78D	.62T	74.7	14.1	181.6	49.1	333.6	37.4
		211.0	53.2	.95S	.32T	109.7	75.3	.78D	.62T	74.8	14.1	181.9	49.4	333.8	37.1
ROTATION ABOUT A,C,B AXIS															
-56.6		211.0	53.2	.26S	.97T	55.0	39.3	.33D	.95T	221.6	7.1	130.1	11.9	341.8	76.1
37.4		211.0	53.2	.95S	.32N	312.6	74.9	.78D	.62N	88.3	37.4	240.8	49.2	347.4	13.9
-102.4		352.1	29.5	.86S	.51N	109.7	75.3	.44D	.90N	259.1	52.6	26.7	25.0	129.8	25.8
14.4		218.1	39.7	.92S	.40T	109.7	75.3	.61D	.80T	82.3	21.4	188.8	35.9	328.1	46.3
-8.0		220.2	56.1	.92S	.40T	116.4	70.5	.81D	.59T	81.1	9.1	181.9	49.4	343.6	39.1
2.0		208.6	52.6	.96S	.29T	108.1	76.6	.78D	.62T	73.1	15.4	181.9	49.4	331.4	36.4
		CONE A	34 EXA	.91		CONE C	31 EXC	.89				CONE B	105 EXB	.20	

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SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 266 100.0	8-0	315.4	18.7	1.00S	.04T	223.3	89.3	.32D	.95T	205.7	41.4	313.1	18.7	61.3	42.7
		315.3	18.9	1.00S	.03T	223.5	89.4	.32D	.95T	205.7	41.4	313.3	18.9	61.6	42.6
ROTATION ABOUT A,C,B AXIS															
-63.0		315.3	18.9	.42S	.91T	161.6	73.0	.14D	.99T	155.1	27.5	249.2	7.9	353.8	61.2
11.8		315.3	18.9	.99S	.17N	54.6	86.8	.32D	.95N	216.0	45.1	325.7	18.6	71.5	39.0
-11.2		314.5	30.1	1.00S	.02T	223.5	89.4	.50D	.87T	197.0	37.2	313.1	30.1	70.3	38.3
19.2		72.7	.7	.49D	.87T	223.5	89.4	.01S	1.00T	223.8	44.4	133.5	.3	43.2	45.6
-1.2		319.0	18.9	1.00S	.09T	223.9	88.3	.32D	.95T	206.4	40.4	313.3	18.9	62.3	43.6
8.0		291.5	20.2	.94S	.35N	40.9	83.0	.33D	.95N	200.5	48.6	313.3	18.9	57.3	35.3
		CONE A	17 EXA	.70		CONE C	26 EXC	.88				CONE B	48 EXB	.59	

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SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 275 100.0	7-0	163.5	72.1	.82S	.57N	265.6	57.0	.93D	.37N	30.1	37.0	229.7	51.3	127.4	9.7
		163.5	72.1	.82S	.57N	265.6	57.0	.93D	.37N	30.1	37.0	229.7	51.3	127.4	9.7
ROTATION ABOUT A,C,B AXIS															
-63.0		163.5	72.1	.14D	.99N	7.8	19.5	.39S	.92N	331.5	62.1	75.9	7.5	169.7	26.7
63.0		163.5	72.1	.88S	.47T	64.2	63.4	.94D	.34T	202.3	5.7	103.4	57.1	295.9	32.3
-76.8		70.6	33.9	.22D	.98N	265.6	57.0	.14S	.99N	111.1	76.4	351.0	6.9	259.6	11.6
89.6		49.1	38.9	.50S	.87T	265.6	57.0	.37D	.93T	250.0	9.5	343.2	18.2	133.7	69.3
-22.4		184.5	60.6	.90S	.44N	288.2	67.3	.85D	.53N	58.4	38.4	229.7	51.3	325.0	4.3
19.2		147.7	83.6	.79S	.62N	242.7	52.0	.99D	.14N	8.1	30.9	229.7	51.3	111.3	20.9
		CONE A	83 EXA	.75		CONE C	72 EXC	.67				CONE B	145 EXB	.24	

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
100.0	7-0	350.9	79.8	1.00S	.05T	260.4	87.3	.98D	.18T	216.2	5.3	335.9	79.4	125.4	9.2
		351.2	79.8	1.00S	.05T	260.7	87.1	.98D	.18T	216.7	5.1	335.3	79.4	125.8	9.3
ROTATION ABOUT A,C,B AXIS															
-63.0		351.2	79.8	.41S	.91T	239.6	26.1	.92D	.40T	10.9	30.7	265.8	23.7	144.9	49.5
75.8		351.2	79.8	.29S	.96N	111.2	19.8	.85D	.52N	191.0	52.2	78.1	16.8	336.9	32.7
-89.6		155.8	11.0	.97S	.26N	260.7	87.1	.18D	.98N	69.8	46.9	171.3	10.6	270.7	41.2
76.8		34.4	4.1	.72S	.69T	260.7	87.1	.05D	1.00T	257.9	42.0	350.6	3.0	83.9	47.8
-19.2		10.6	81.3	.99S	.11T	279.7	84.0	.99D	.15T	235.1	1.9	335.3	79.4	144.8	10.4
19.2		331.7	79.4	1.00S	.01N	61.8	89.4	.98D	.18N	197.5	7.9	335.3	79.4	106.6	7.0
		CONE A		80 EXA	.77	CONE C		73 EXC	.72			CONE B		152 EXB	.17

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
100.0	7-0	313.4	26.6	.13S	.99N	124.9	63.6	.07D	1.00N	296.6	71.1	36.6	3.4	127.7	18.5
		265.6	56.9	.93D	.37N	163.4	72.0	.82S	.57N	30.0	37.2	229.6	51.1	127.4	9.7
ROTATION ABOUT A,C,B AXIS															
-88.6		265.6	56.9	.39D	.92T	47.7	39.6	.52S	.86T	249.3	9.1	342.5	19.2	135.1	68.6
75.8		265.6	56.9	.13S	.99N	72.1	33.8	.20D	.98N	109.4	76.7	351.5	6.3	260.2	11.6
-64.0		63.7	62.6	.94D	.35T	163.4	72.0	.87S	.48T	201.9	6.1	102.6	56.3	295.9	33.0
64.0		10.6	20.1	.43S	.90N	163.4	72.0	.16D	.99N	329.7	62.0	76.2	8.6	170.5	26.5
-19.2		242.7	51.9	.99D	.14N	147.6	83.5	.78S	.62N	8.0	31.1	229.6	51.1	111.4	20.9
22.4		288.2	67.2	.84D	.54N	184.4	60.4	.90S	.45N	58.4	38.6	229.6	51.1	325.0	4.3
		CONE A		73 EXA	.67	CONE C		83 EXC	.75			CONE B		145 EXB	.22

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SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 276 94.1	10-1	143.4	54.3	1.00S	.06N	235.6	87.0	.81D	.58N	15.6	26.7	149.7	54.1	273.8	22.1
		143.4	54.7	.88S	.48N	250.8	67.0	.78D	.63N	21.8	43.2	186.7	45.8	284.6	7.6
ROTATION ABOUT A,C,B AXIS															
-37.4		143.4	54.7	.41S	.91N	285.7	41.8	.50D	.87N	18.1	69.3	219.0	19.4	126.6	6.8
43.8		143.4	54.7	.96S	.26T	44.5	77.6	.81D	.59T	8.2	14.9	118.1	52.0	267.9	34.0
-22.4		125.4	36.2	.75S	.66N	250.8	67.0	.48D	.88N	31.1	57.9	173.0	26.3	271.8	17.1
12.8		150.0	66.2	.90S	.43N	250.8	67.0	.90D	.44N	20.6	34.2	199.5	55.8	290.3	.5
-5.6		149.6	52.2	.91S	.42N	255.5	70.6	.76D	.65N	29.2	41.9	186.7	45.8	288.7	11.5
16.0		127.7	63.4	.80S	.60N	236.1	57.7	.85D	.53N	359.7	44.0	186.7	45.8	93.1	3.5
		CONE A		28 EXA	.39	CONE C		42 EXC	.73			CONE B		53 EXB	.57

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
84.4	10-1	312.0	76.5	.65S	.76N	57.1	42.6	.94D	.34N	171.4	43.3	30.6	39.4	282.4	20.8
		325.6	87.5	.98S	.18N	56.1	79.5	1.00D	.04N	190.3	9.2	42.3	79.2	281.2	5.6
ROTATION ABOUT A,C,B AXIS															
-63.0		325.6	87.5	.28S	.96N	64.0	16.7	.99D	.15N	162.2	45.1	54.9	16.5	310.4	40.3
10.2		325.6	87.5	1.00S	0N	55.6	89.7	1.00D	.04N	189.8	2.0	331.6	87.5	99.7	1.5
-64.0		303.4	25.6	.91S	.42N	56.1	79.5	.40D	.92N	210.1	50.1	330.6	23.0	75.1	30.6
57.6		160.6	36.3	.95S	.31T	56.1	79.5	.57D	.82T	29.3	26.2	138.9	34.3	270.7	44.3
-4.8		330.4	86.6	.98S	.18N	61.0	79.8	1.00D	.06N	195.4	9.7	42.3	79.2	286.2	4.8
14.4		131.5	89.8	.98S	.19T	41.4	79.2	1.00D	0T	175.7	7.5	42.3	79.2	266.7	7.8
		CONE A		48 EXA	.84	CONE C		37 EXC	.74			CONE B		94 EXB	.40

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SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 279 87.5	12-1	349.3	29.7	.92S	.38T	239.6	79.1	.47D	.88T	217.5	28.7	323.9	27.3	89.4	48.4
		349.3	29.7	.92S	.38T	239.6	79.1	.47D	.88T	217.5	28.7	323.9	27.3	89.4	48.4
ROTATION ABOUT A,C,B AXIS															
-8.6		349.3	29.7	.86S	.52T	231.7	75.2	.44D	.90T	211.6	25.7	314.6	25.2	82.6	52.6
7.0		349.3	29.7	.96S	.27T	245.8	82.4	.48D	.88T	222.3	31.4	331.7	28.6	94.7	45.0
-57.6		330.5	85.5	.98S	.19T	239.6	79.1	1.00D	.08T	14.6	4.5	262.4	78.2	105.5	10.9
25.6		47.9	11.1	.20S	.98T	239.6	79.1	.04D	1.00T	237.7	34.1	329.2	2.2	62.4	55.9
-0.7		350.6	30.0	.92S	.40T	239.9	78.5	.47D	.88T	217.9	28.1	323.9	27.3	90.2	48.9
9.6		329.8	27.4	1.00S	.09T	235.1	87.6	.46D	.89T	211.2	36.7	323.9	27.3	80.6	41.1
		CONE A		29 EXA	.88	CONE C		13 EXC	.34			CONE B		36 EXB	.81

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
82.5	12-2	198.9	67.4	.40S	.92T	67.5	32.1	.69D	.72T	216.3	19.1	118.4	21.6	344.0	60.5
		188.0	70.2	.35S	.94T	56.1	28.3	.70D	.71T	203.7	22.5	105.3	19.4	338.5	59.5
ROTATION ABOUT A,C,B AXIS															
-7.0		188.0	70.2	.24S	.97T	43.7	23.9	.55D	.84T	198.6	24.0	102.7	12.9	346.8	62.3
8.6		188.0	70.2	.49S	.87T	66.9	34.8	.81D	.59T	209.5	19.9	108.7	27.4	330.8	55.1
-57.6		315.4	84.3	.47S	.88N	56.1	28.3	.98D	.21N	162.7	43.9	42.5	27.6	292.2	33.5
38.4		229.2	61.9	.06S	1.00T	56.1	28.3	.11D	.99T	231.7	16.8	140.8	2.9	41.3	72.9
-9.6		191.4	79.2	.34S	.94T	74.0	22.4	.87D	.49T	207.7	31.4	105.3	19.4	348.7	51.8
.1		188.0	70.1	.35S	.94T	56.0	28.4	.70D	.72T	203.7	22.4	105.3	19.4	338.4	59.6
		CONE A		31 EXA	.90	CONE C		12 EXC	.38			CONE B		39 EXB	.84

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SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 281 100.0	12-0	36.8	43.0	.52S	.85T	256.6	54.4	.44D	.90T	238.5	6.1	330.8	20.8	133.1	68.3
		36.8	43.0	.52S	.85T	256.6	54.4	.44D	.90T	238.5	6.1	330.8	20.8	133.1	68.3
ROTATION ABOUT A,C,B AXIS															
-21.4		36.8	43.0	.17S	.98T	230.3	47.8	.16D	.99T	223.8	2.4	314.1	6.8	114.4	82.8
24.6		36.8	43.0	.83S	.56T	280.5	67.6	.61D	.79T	254.0	14.3	354.1	34.4	145.0	51.9
-76.8		159.1	79.7	.81S	.59N	256.6	54.4	.98D	.22N	21.7	32.5	235.4	52.5	122.6	16.6
4.8		43.1	40.7	.45S	.89T	256.6	54.4	.36D	.93T	241.7	7.2	333.9	17.0	129.7	71.5
-11.2		44.1	52.8	.45S	.90T	263.5	44.5	.51D	.86T	62.5	4.4	330.8	20.8	163.9	68.7
32.0		348.6	21.8	.96S	.29T	243.1	83.9	.36D	.93T	225.0	35.6	330.8	20.8	84.9	47.0

CONE A 59 EXA .47 CONE C 45 EXC .06 CONE B 61 EXB .44

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SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
* NO. 285 100.0	11-0	190.5	73.1	1.00S	.08T	99.1	85.4	.96D	.29T	56.0	8.5	174.4	72.5	323.6	15.2
		190.5	73.1	1.00S	.08T	99.1	85.4	.96D	.29T	56.0	8.5	174.4	72.5	323.6	15.2
ROTATION ABOUT A,C,B AXIS															
-63.0		190.5	73.1	.38S	.93T	65.2	27.6	.78D	.63T	207.7	24.9	107.3	21.2	341.7	56.3
63.0		190.5	73.1	.53S	.85N	305.6	35.6	.87D	.50N	47.1	51.3	270.3	30.3	166.9	21.7
-89.6		354.7	17.9	.97S	.26N	99.1	85.4	.30D	.95N	261.3	46.9	10.6	17.2	114.6	38.1
51.2		200.4	22.3	.98S	.21T	99.1	85.4	.37D	.93T	80.0	36.7	187.3	21.8	301.1	45.3
-28.8		220.0	77.6	.98S	.21T	127.3	77.9	.98D	.22T	83.7	.2	174.4	72.5	353.7	17.5
38.4		150.4	73.9	.99S	.12N	242.4	83.3	.96D	.28N	17.5	16.2	174.4	72.5	285.6	6.5

CONE A 97 EXA .52 CONE C 92 EXC .47 CONE B 133 EXB .11

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
100.0	11-0	15.2	89.0	.99S	.14N	105.3	81.8	1.00D	.02N	240.0	6.5	98.3	81.7	330.6	5.1
		15.2	89.0	.99S	.14N	105.3	81.8	1.00D	.02N	240.0	6.5	98.3	81.7	330.6	5.1
ROTATION ABOUT A,C,B AXIS															
-63.0		15.2	89.0	.32S	.95N	108.2	18.8	1.00D	.05N	213.4	43.0	104.9	18.8	357.6	41.1
88.6		15.2	89.0	.17S	.99T	279.3	9.7	.99D	.10T	24.5	43.2	285.4	9.6	185.6	45.2
-76.8		341.8	14.7	.82S	.57N	105.3	81.8	.21D	.98N	271.3	51.7	17.1	12.1	116.0	35.7
64.0		211.0	28.2	.95S	.30T	105.3	81.8	.45D	.89T	83.2	31.5	191.2	26.7	313.1	46.4
-22.4		37.4	85.9	.99S	.13N	127.9	82.8	1.00D	.07N	262.8	8.0	98.3	81.7	353.2	2.2
44.8		150.8	84.9	.99S	.11T	60.2	83.5	1.00D	.09T	195.1	1.0	98.3	81.7	285.2	8.2

CONE A 97 EXA .52 CONE C 101 EXC .56 CONE B 146 EXB .07

288
JULY 27, 1952 H = 08.23.22 20.5S 179W DEPTH 500 KM.
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 171.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		57-10	287	88			17	62					14	62		
	87.8	56-11-7	303.7	84.7	.63S	.78T	207.2	39.2	.99D	.15T	334.2	28.9	218.0	38.7	89.5	37.8
			300.4	87.2	.54S	.84T	206.1	33.1	1.00D	.09T	328.0	33.9	212.2	32.9	90.8	38.8
ROTATION ABOUT A,C,B AXIS																
	-5.4		300.4	87.2	.46S	.89T	205.1	27.7	.99D	.10T	324.4	36.3	211.9	27.5	94.6	41.4
	8.6		300.4	87.2	.66S	.75T	207.3	41.6	1.00D	.07T	333.1	29.6	212.9	41.5	85.8	34.3
	-2.0		298.7	88.3	.55S	.84T	206.1	33.1	1.00D	.05T	326.7	34.9	209.8	33.0	89.5	37.9
	4.8		304.5	84.6	.54S	.84T	206.1	33.1	.99D	.17T	331.1	31.7	217.9	32.5	93.9	41.2
	-1.6		301.3	88.5	.54S	.84T	209.0	33.0	1.00D	.05T	329.2	35.1	212.2	32.9	92.2	37.7
	2.4		299.1	85.2	.55S	.84T	201.8	33.4	.99D	.15T	326.2	32.1	212.2	32.9	88.6	40.5
			CONE A		5 EXA	.41	CONE C		7 EXC	.71			CONE B		10 EXB	.51

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	84.1	56-12-9	281.2	87.5	.20S	.98T	179.3	12.0	.98D	.21T	292.2	41.4	191.7	11.7	89.2	46.3
			278.2	88.6	.26S	.97T	183.0	14.9	1.00D	.09T	292.2	41.8	188.6	14.8	83.6	44.5
ROTATION ABOUT A,C,B AXIS																
	-75.8		278.2	88.6	.87D	.49T	9.0	61.0	1.00S	.03T	237.4	19.0	5.7	60.9	139.7	21.1
	11.8		278.2	88.6	.45S	.89T	185.5	26.7	1.00D	.05T	301.9	37.9	188.9	26.6	73.6	40.5
	-8.0		90.5	89.3	.26S	.97N	183.0	14.9	1.00D	.05N	285.1	43.8	180.3	14.9	76.2	42.4
	6.4		284.4	87.0	.25S	.97T	183.0	14.9	.98D	.20T	297.9	40.3	195.2	14.6	89.5	46.1
	-1.4		278.6	90.0	.26S	.97T	188.5	14.8	1.00D	0T	292.9	43.1	188.6	14.8	84.3	43.1
	1.0		278.0	87.7	.26S	.97T	179.2	15.0	.99D	.16T	291.8	40.9	188.6	14.8	83.1	45.4
			CONE A		6 EXA	.83	CONE C		14 EXC	.97			CONE B		36 EXB	.84

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	82.3	56-11-7	118.9	89.3	1.00S	.09T	28.8	85.0	1.00D	.01T	163.7	3.0	36.8	85.0	253.9	4.0
			118.9	89.3	1.00S	.09T	28.8	85.0	1.00D	.01T	163.7	3.0	36.8	85.0	253.9	4.0
ROTATION ABOUT A,C,B AXIS																
	-0.8		118.9	89.3	.99S	.10T	28.8	84.2	1.00D	.01T	163.7	3.6	35.7	84.2	253.9	4.6
	.2		118.9	89.3	1.00S	.08T	28.8	85.2	1.00D	.01T	163.7	2.9	37.1	85.2	253.9	3.8
	-2.0		298.7	88.7	1.00S	.09N	28.8	85.0	1.00D	.02N	163.5	4.4	14.0	84.9	253.7	2.6
	4.0		119.2	85.3	1.00S	.09T	28.8	85.0	1.00D	.08T	164.2	.2	72.4	83.2	254.2	6.8
	-3.6		122.4	89.6	1.00S	.09T	32.4	85.0	1.00D	.01T	167.1	3.2	36.8	85.0	257.3	3.8
	1.8		117.1	89.2	1.00S	.09T	27.0	85.1	1.00D	.01T	162.4	2.9	36.8	85.0	252.6	4.1
			CONE A		6 EXA	.10	CONE C		2 EXC	.81			CONE B		2 EXB	.83

289
SEPTEMBER 11, 1952 H = 22.26.41 29S 177W DEPTH NORMAL M = 6.8
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 171.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		36-5	123	90			33	84					33	84		
	87.6	36-8-4	123.0	87.8	.99S	.11T	32.8	83.9	1.00D	.04T	167.8	2.8	52.5	83.5	258.1	5.9
			123.0	87.8	.99S	.11T	32.7	83.7	1.00D	.04T	167.7	2.9	52.3	83.3	258.0	6.0
ROTATION ABOUT A,C,B AXIS																
	-3.8		123.0	87.8	.98S	.17T	32.6	79.9	1.00D	.04T	167.4	5.5	45.3	79.7	258.2	8.7
	1.4		123.0	87.8	1.00S	.09T	32.8	85.1	1.00D	.04T	167.8	1.9	57.3	84.6	258.0	5.0
	-2.8		302.7	89.4	.99S	.11N	32.7	83.7	1.00D	.01N	167.5	4.8	27.5	83.7	257.9	4.0
	.4		123.0	87.4	.99S	.11T	32.7	83.7	1.00D	.05T	167.8	2.6	55.5	83.2	258.0	6.3
	-0.7		123.7	87.9	.99S	.11T	33.5	83.7	1.00D	.04T	168.4	2.9	52.3	83.3	258.7	6.0
	4.8		118.2	87.3	.99S	.11T	27.9	83.9	1.00D	.05T	162.9	2.4	52.3	83.3	253.2	6.2
			CONE A		4 EXA	.42	CONE C		5 EXC	.05			CONE B		4 EXB	.38

290
OCTOBER 26, 1952 H = 08.41.03 34.1N 137.8E DEPTH 285 KM. M = 6
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA		109	139	71			39	67					85	59		
	95.3	109-6-6	41.8	66.6	.99S	.13N	134.6	83.4	.92D	.40N	270.6	21.2	59.4	65.6	176.1	11.5
			42.0	64.3	.99S	.11N	134.7	84.4	.90D	.44N	271.3	22.1	56.1	63.6	175.6	13.8
ROTATION ABOUT A,C,B AXIS																
	-5.4		42.0	64.3	.98S	.20N	137.1	79.5	.90D	.44N	272.2	25.9	67.4	61.9	177.2	10.3
	1.0		42.0	64.3	1.00S	.09N	134.3	85.3	.90D	.44N	271.1	21.4	53.9	63.8	175.4	14.4
	-0.2		42.0	64.1	.99S	.11N	134.7	84.4	.90D	.44N	271.4	22.2	56.0	63.4	175.6	13.9
	2.8		42.4	67.0	.99S	.11N	134.7	84.4	.92D	.39N	270.8	20.2	57.6	66.3	176.4	11.9
	-0.6		42.7	64.2	.99S	.10N	135.3	84.7	.90D	.44N	272.1	21.9	56.1	63.6	176.3	14.0
	1.0		40.9	64.4	.99S	.12N	133.8	84.0	.90D	.43N	270.4	22.3	56.1	63.6	174.8	13.4
			CONE A		2 EXA	.47	CONE C		3 EXC	.75			CONE B		4 EXB	.53

WITH ADDITIONAL DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE
OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
92.7	121-10-10	39.1	68.2	.99S	.15N	132.2	82.2	.93D	.37N	267.6	21.0	60.8	66.7	173.9	9.6
		42.7	65.0	.99S	.15N	136.4	82.1	.90D	.43N	272.3	23.3	62.7	63.6	177.2	11.6
ROTATION ABOUT A,C,B AXIS															
-7.0		42.7	65.0	.96S	.27N	139.5	75.8	.90D	.44N	273.3	28.2	76.4	60.7	179.4	7.2
3.8		42.7	65.0	1.00S	.09N	134.8	85.5	.91D	.42N	271.6	20.8	54.3	64.5	176.1	14.1
-0.6		42.6	64.4	.99S	.15N	136.4	82.1	.90D	.44N	272.4	23.8	62.3	63.0	177.0	12.0
2.0		43.0	66.9	.99S	.15N	136.4	82.1	.92D	.40N	272.1	21.9	64.2	65.5	177.8	10.4
-0.8		43.6	64.8	.99S	.15N	137.2	82.4	.90D	.43N	273.1	23.2	62.7	63.6	177.9	11.9
2.4		40.1	65.3	.99S	.17N	134.2	81.1	.91D	.42N	269.9	23.8	62.7	63.6	175.1	10.7
		CONE A		3 EXA	.19	CONE C		6 EXC	.70			CONE B		5 EXB	.76

291
NOVEMBER 4, 1952 H = 16.58.24 52.5N 159E DEPTH NORMAL M = 8.5
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 219.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		43-9	100	79			6	70					36	68		
	75.7	40-12-8	160.0	31.7	.68S	.74T	27.1	67.2	.39D	.92T	10.3	19.1	107.9	20.8	241.4	61.1
			159.5	32.0	.68S	.73T	27.0	67.1	.39D	.92T	10.0	18.9	107.6	21.1	241.7	61.0
ROTATION ABOUT A,C,B AXIS																
	-0.2		159.5	32.0	.68S	.74T	26.8	67.0	.39D	.92T	9.9	18.9	107.4	21.0	241.5	61.1
	.4		159.5	32.0	.68S	.73T	27.4	67.2	.39D	.92T	10.3	19.0	108.0	21.3	242.3	60.8
	-44.8		126.0	69.7	.91S	.42T	27.0	67.1	.93D	.38T	166.1	1.7	73.3	58.5	257.1	31.4
	89.6		287.4	68.5	.91D	.42T	27.0	67.1	.92S	.40T	247.5	.9	338.9	57.7	156.9	32.3
	-0.1		159.6	32.1	.68S	.74T	27.0	67.0	.39D	.92T	10.0	18.8	107.6	21.1	241.9	61.1
	.3		159.1	31.8	.68S	.73T	26.9	67.4	.39D	.92T	9.9	19.2	107.6	21.1	241.3	60.8
			CONE A	7 EXA 1.00			CONE C	0 EXC .33					CONE B	9 EXB 1.00		

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	72.5	40-11-9	125.8	81.3	.92S	.40T	32.0	66.8	.99D	.16T	167.0	9.9	55.0	65.0	261.2	22.7
			125.8	81.3	.92S	.40T	32.0	66.8	.99D	.16T	167.0	9.9	55.0	65.0	261.2	22.7
ROTATION ABOUT A,C,B AXIS																
	-0.2		125.8	81.3	.92S	.40T	32.0	66.6	.99D	.17T	166.9	10.0	54.8	64.8	261.2	22.9
	.2		125.8	81.3	.92S	.40T	32.1	67.0	.99D	.16T	167.1	9.8	55.2	65.2	261.2	22.6
	-1.4		125.2	82.6	.92S	.40T	32.0	66.8	.99D	.14T	166.7	10.8	51.9	65.5	261.0	21.7
	6.4		128.4	75.4	.91S	.41T	32.0	66.8	.96D	.27T	168.8	5.8	67.6	62.1	261.8	27.2
	-3.2		128.8	82.6	.91S	.41T	35.5	66.3	.99D	.14T	170.0	11.2	55.0	65.0	264.6	22.1
	2.4		123.6	80.3	.92S	.39T	29.5	67.2	.98D	.18T	164.6	8.9	55.0	65.0	258.5	23.2
			CONE A	7 EXA .28			CONE C	1 EXC .93					CONE B	2 EXB .95		

292
NOVEMBER 4, 1952 H = 16.58.34 52.5N 159E DEPTH NORMAL
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 219.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		29-2	352	89			262	89					319	84		
	92.1	29-2-2	264.9	86.3	.99S	.13N	355.4	82.7	1.00D	.07N	130.0	7.8	328.2	81.8	220.3	2.5
			265.9	86.2	.99S	.13N	356.4	82.4	1.00D	.07N	130.9	8.1	329.5	81.5	221.3	2.7
ROTATION ABOUT A,C,B AXIS																
	-0.8		265.9	86.2	.99S	.15N	356.5	81.6	1.00D	.07N	130.9	8.6	331.7	80.8	221.3	3.2
	.8		265.9	86.2	.99S	.12N	356.4	83.2	1.00D	.07N	130.9	7.5	326.8	82.2	221.2	2.1
	-3.2		265.5	83.0	.99S	.13N	356.4	82.4	.99D	.12N	130.9	10.4	313.3	79.6	221.0	.4
	5.6		86.7	88.3	.99S	.13T	356.4	82.4	1.00D	.03T	131.5	4.2	9.4	82.2	222.0	6.6
	0		265.9	86.2	.99S	.13N	356.4	82.4	1.00D	.07N	130.9	8.1	329.5	81.5	221.3	2.7
	1.2		264.7	86.3	.99S	.13N	355.2	82.3	1.00D	.06N	130.0	8.0	329.5	81.5	220.4	2.8
			CONE A	3 EXA .86			CONE C	1 EXC .25					CONE B	4 EXB .82		

293
IN THE ABOVE SOLUTIONS THE EARTHQUAKE OF NOV.4, 1952 WAS TREATED AS A DOUBLE ONE. WE HERE COMBINE THE DATA, TAKING THE FIRST ARRIVAL AT EACH STATION.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
75.7	66-17-15	121.8	79.6	.92S	.39T	27.5	67.7	.98D	.19T	163.1	8.1	55.2	65.2	256.6	23.3
		122.0	79.4	.92S	.39T	27.6	67.5	.98D	.20T	163.1	8.1	55.5	64.9	256.7	23.6
ROTATION ABOUT A,C,B AXIS															
0		122.0	79.4	.92S	.39T	27.6	67.5	.98D	.20T	163.1	8.1	55.5	64.9	256.7	23.6
1.4		122.0	79.4	.93S	.37T	27.9	68.9	.98D	.20T	163.5	7.2	57.0	66.1	256.5	22.7
-0.3		121.9	79.7	.92S	.39T	27.6	67.5	.98D	.19T	163.1	8.3	54.9	65.0	256.7	23.4
2.0		122.8	77.6	.92S	.39T	27.6	67.5	.97D	.23T	163.8	6.8	59.6	64.0	257.0	25.0
-2.0		123.9	80.2	.92S	.39T	29.7	67.1	.98D	.18T	165.0	8.9	55.5	64.9	258.9	23.3
1.2		120.9	79.0	.92S	.39T	26.3	67.7	.98D	.21T	162.2	7.7	55.5	64.9	255.6	23.7
		CONE A		3 EXA	.28	CONE C		2 EXC	.56			CONE B		2 EXB	.39

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
74.4	66-18-14	254.1	87.4	1.00S	.01N	344.2	89.3	1.00D	.05N	119.8	2.3	269.8	87.3	29.7	1.3
		256.4	86.3	1.00S	.02N	346.4	89.0	1.00D	.06N	121.1	3.3	271.2	86.2	31.0	1.9
ROTATION ABOUT A,C,B AXIS															
-1.4		256.4	86.3	1.00S	.04N	346.5	87.6	1.00D	.06N	121.4	4.3	289.3	85.6	31.3	.9
10.2		256.4	86.3	.99S	.16T	165.8	80.8	1.00D	.06T	300.6	3.9	187.9	80.1	31.2	9.1
0		256.4	86.3	1.00S	.02N	346.4	89.0	1.00D	.06N	121.1	3.3	271.2	86.2	31.0	1.9
.8		256.4	87.1	1.00S	.02N	346.4	89.0	1.00D	.05N	121.1	2.7	275.1	87.0	31.0	1.3
-2.0		258.4	86.3	1.00S	.01N	348.4	89.2	1.00D	.06N	124.0	3.2	271.2	86.2	33.9	2.1
.2		256.2	86.3	1.00S	.02N	346.2	89.0	1.00D	.06N	121.1	3.3	271.2	86.2	31.0	1.9
		CONE A		1 EXA	.64	CONE C		5 EXC	.81			CONE B		3 EXB	.93

294
NOVEMBER 6 , 1952 H = 19.47.20 5S 145.5E DEPTH NORMAL M = 7.3
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		16-1	155	80			63	80					108	76		
	92.3	16-2-1	143.2	86.0	.99S	.13T	52.7	82.7	1.00D	.07T	187.8	2.3	81.7	81.7	278.1	8.0
			141.5	75.7	.95S	.33T	46.6	71.6	.97D	.26T	183.4	2.8	87.0	66.4	274.6	23.4
ROTATION ABOUT A,C,B AXIS																
0			141.5	75.7	.95S	.33T	46.6	71.6	.97D	.26T	183.4	2.8	87.0	66.4	274.6	23.4
13.4			141.5	75.7	1.00S	.10T	50.1	84.6	.97D	.25T	6.3	6.2	119.7	74.7	274.8	13.9
-12.8			137.3	87.9	.95S	.32T	46.6	71.6	1.00D	.04T	180.6	11.4	53.7	71.5	273.6	14.4
256.0			303.2	55.2	.92D	.38T	46.6	71.6	.80S	.60T	81.7	10.4	339.4	49.3	180.2	38.8
-0.6			142.0	75.9	.94S	.33T	47.2	71.4	.97D	.26T	184.0	3.0	87.0	66.4	275.3	23.4
22.4			118.9	69.6	.98S	.21T	24.6	78.6	.93D	.36T	342.8	6.1	87.0	66.4	250.2	22.7
			CONE A		79 EXA	.91	CONE C		18 EXC	.42			CONE B		60 EXB	.95

295
NOVEMBER 28, 1952 H = 21.01.27 6.5S 155.5E DEPTH.100 KM. M = 6.7
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		19-2	330	67	.		65	78					1	64		
	92.9	19-2-1	6.4	81.9	.28S	.96N	122.5	17.9	.89D	.46N	204.4	50.6	94.1	15.9	352.6	35.0
			11.5	74.4	.19S	.98N	155.7	19.0	.56D	.83N	206.8	59.2	98.5	10.6	2.6	28.6
ROTATION ABOUT A,C,B AXIS																
	-63.0		11.5	74.4	.79D	.62N	269.6	53.6	.94S	.33N	146.9	37.5	300.5	49.4	46.4	13.2
	63.0		11.5	74.4	.96S	.28N	105.9	74.6	.96D	.28N	238.6	22.2	58.2	67.8	148.5	.1
	-0.4		11.1	74.3	.19S	.98N	155.7	19.0	.56D	.83N	206.3	59.3	98.1	10.5	2.3	28.5
	32.0		43.1	82.5	.30S	.95N	155.7	19.0	.92D	.40N	242.2	49.5	130.7	17.4	27.9	35.2
	-0.1		11.5	74.3	.19S	.98N	155.9	19.1	.56D	.83N	206.8	59.3	98.5	10.6	2.7	28.5
	8.0		9.9	82.2	.19S	.98N	135.6	13.2	.80D	.59N	202.2	51.7	98.5	10.6	.6	36.3
			CONE A	16 EXA	.75		CONE C	32 EXC	.94				CONE B	64 EXB	.74	

296
NOVEMBER 29, 1952 H = 08.22.34 53N 160E DEPTH NORMAL M = 7
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 219.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		48-13	37	66			300	76					2	62		
	73.5	48-13-11	315.4	85.1	.96S	.28N	46.8	73.9	1.00D	.09N	180.1	14.9	29.0	73.1	272.2	7.8
			315.5	84.4	.92S	.38N	47.8	67.6	.99D	.11N	179.3	19.7	32.1	66.9	273.5	11.5
ROTATION ABOUT A,C,B AXIS																
	0		315.5	84.4	.92S	.38N	47.8	67.6	.99D	.11N	179.3	19.7	32.1	66.9	273.5	11.5
	10.2		315.5	84.4	.98S	.21N	46.7	77.8	.99D	.10N	180.5	12.7	21.2	76.5	271.5	4.6
	-0.6		315.3	83.8	.92S	.38N	47.8	67.6	.99D	.12N	179.4	20.2	30.7	66.7	273.6	11.1
	1.6		316.1	85.8	.92S	.38N	47.8	67.6	1.00D	.08N	179.8	18.7	36.1	67.2	274.1	12.6
	-1.8		317.2	83.7	.93S	.38N	49.8	67.8	.99D	.12N	181.2	20.1	32.1	66.9	275.3	10.9
	1.2		314.4	84.8	.92S	.38N	46.5	67.5	1.00D	.10N	178.2	19.5	32.1	66.9	272.5	11.9
			CONE A	3 EXA	.27		CONE C	6 EXC	.71				CONE B	5 EXB	.78	

297
NOVEMBER 29, 1952 H = 23.46.25 56N 155W DEPTH NORMAL M = 6.7
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 219.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		49-9	165	81			74	81					122	77		
	84.5	50-9-6	74.3	81.2	.99S	.16N	165.8	80.7	.99D	.15N	300.0	12.8	121.6	77.2	30.1	.3
			75.4	81.9	.99S	.15N	166.6	81.4	.99D	.14N	300.8	11.9	122.5	78.1	30.8	.4
ROTATION ABOUT A,C,B AXIS																
	-1.4		75.4	81.9	.98S	.17N	166.8	80.0	.99D	.14N	300.7	12.8	126.8	77.1	31.0	1.3
	1.4		75.4	81.9	.99S	.13N	166.4	82.8	.99D	.14N	300.8	10.9	117.4	79.1	210.7	.6
	-1.0		75.2	80.9	.99S	.15N	166.6	81.4	.99D	.16N	300.8	12.6	119.2	77.4	210.8	.4
	4.8		76.1	86.6	.99S	.15N	166.6	81.4	1.00D	.06N	301.2	8.4	144.8	80.8	31.7	3.6
	-1.8		77.1	81.6	.99S	.15N	168.4	81.7	.99D	.15N	302.8	11.9	122.5	78.1	212.8	.1
	1.6		73.8	82.1	.99S	.15N	165.0	81.2	.99D	.14N	299.4	11.9	122.5	78.1	29.5	.6
			CONE A	4 EXA	.41		CONE C	3 EXC	.18				CONE B	4 EXB	.52	

298
DECEMBER 24, 1952 H = 18.39.38 5.5S 152E DEPTH NORMAL M = 7
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		19-2	338	85			248	87					306	84		
	94.0	17-1-1	244.0	88.7	1.00S	.06N	334.1	86.5	1.00D	.02N	109.0	3.4	313.7	86.3	199.1	1.5
			243.8	88.8	1.00S	.06N	333.9	86.7	1.00D	.02N	108.8	3.2	313.5	86.5	198.9	1.5
ROTATION ABOUT A,C,B AXIS																
	-1.0		243.8	88.8	1.00S	.08N	333.9	85.7	1.00D	.02N	108.8	3.9	318.0	85.5	198.9	2.2
	.4		243.8	88.8	1.00S	.05N	333.9	87.1	1.00D	.02N	108.8	2.9	311.0	86.8	198.9	1.2
	-9.6		243.2	79.2	1.00S	.06N	333.9	86.7	.98D	.19N	109.0	10.0	260.7	78.7	18.1	5.3
	.3		243.8	89.1	1.00S	.06N	333.9	86.7	1.00D	.02N	108.8	3.0	318.2	86.5	198.9	1.7
	-1.0		244.8	88.7	1.00S	.06N	334.9	86.7	1.00D	.02N	109.8	3.2	313.5	86.5	199.9	1.4
	3.2		240.6	89.0	1.00S	.06N	330.7	86.6	1.00D	.02N	105.6	3.1	313.5	86.5	195.7	1.7
			CONE A		6 EXA	.58	CONE C		2 EXC	.67			CONE B		4 EXB	.86

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	88.8	17-2-2	50.8	89.8	1.00S	.05N	140.8	87.0	1.00D	0N	275.8	2.3	137.0	87.0	5.9	2.0
			250.2	85.7	.80S	.60T	157.0	53.1	1.00D	.09T	287.7	21.8	165.9	52.8	30.2	28.5
ROTATION ABOUT A,C,B AXIS																
	-255.0		250.2	85.7	.96D	.28T	341.4	74.1	1.00S	.08T	206.8	8.1	325.5	73.4	114.7	14.4
	37.4		250.2	85.7	1.00S	.01N	340.2	89.6	1.00D	.08N	115.3	3.3	255.5	85.7	25.1	2.7
	-3.2		248.3	88.2	.80S	.60T	157.0	53.1	1.00D	.04T	286.4	23.7	160.6	53.1	29.0	26.5
	9.6		256.1	78.0	.79S	.61T	157.0	53.1	.97D	.26T	291.6	16.1	181.0	50.6	33.1	34.8
	-3.6		253.1	87.9	.80S	.60T	161.4	52.9	1.00D	.05T	291.1	23.6	165.9	52.8	33.9	26.9
	.4		249.9	85.4	.80S	.60T	156.5	53.2	1.00D	.10T	287.2	21.5	165.9	52.8	29.7	28.7
			CONE A		7 EXA	.69	CONE C		34 EXC	.99			CONE B		61 EXB	.96

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* DECEMBER 26, 1952 H = 23.55.56 39.9N 15.6E DEPTH 265 KM.
DI FILIPPO D. AND PERONACI, F. 1959 ANNALI DI GEOFIS., 12, 549. SCHAFFNER, H.J. 1961 ANNALI DI GEOFIS., 14, 327.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
DIFILIPPO		18	343	81			244	45					261	44		
	92.3	18-2-1	11.5	56.7	.44S	.90T	233.3	41.4	.56D	.83T	29.9	8.2	296.6	21.6	139.4	66.8
			10.6	56.3	.38S	.93T	226.9	39.6	.49D	.87T	26.2	8.8	293.3	18.3	140.7	69.6
ROTATION ABOUT A,C,B AXIS																
	-7.0		10.6	56.3	.26S	.97T	216.7	36.6	.37D	.93T	21.4	10.1	289.1	12.6	149.0	73.7
	13.4		10.6	56.3	.58S	.81T	242.8	47.4	.66D	.75T	34.9	4.9	302.2	29.0	133.7	60.5
	-64.0		134.2	87.7	.64S	.77N	226.9	39.6	1.00D	.06N	347.5	35.0	222.3	39.5	102.5	31.1
	22.4		37.7	50.8	.10S	.99T	226.9	39.6	.12D	.99T	41.8	5.6	311.4	4.5	182.9	82.8
	-8.0		13.9	63.8	.35S	.94T	234.2	32.8	.58D	.81T	28.9	16.4	293.3	18.3	158.0	65.0
	8.0		6.6	49.0	.42S	.91T	221.5	46.7	.43D	.90T	23.7	1.2	293.3	18.3	117.3	71.7
			CONE A		37 EXA	.81	CONE C		18 EXC	.22			CONE B		42 EXB	.76

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
88.6	18-1-1	136.6	81.1	.85S	.53N	232.0	58.7	.98D	.18N	359.7	28.5	212.5	57.2	98.0	14.9
		325.3	84.3	.86S	.51T	231.9	59.4	.99D	.11T	4.6	16.8	244.7	58.8	102.9	25.4
ROTATION ABOUT A,C,B AXIS															
-18.2		325.3	84.3	.66S	.75T	228.8	41.4	.99D	.15T	356.8	27.4	240.2	40.8	109.7	36.9
43.8		325.3	84.3	.97S	.23N	56.6	77.0	.99D	.10N	190.4	13.2	32.2	75.8	281.6	5.1
-25.6		132.0	73.7	.85S	.53N	231.9	59.4	.95D	.33N	358.2	33.9	197.8	54.5	94.6	9.3
44.8		354.4	47.7	.73S	.69T	231.9	59.4	.62D	.78T	205.5	6.7	299.8	32.5	105.3	56.7
-8.0		332.1	88.5	.86S	.52T	241.2	58.8	1.00D	.03T	12.4	20.3	244.7	58.8	111.3	22.6
4.0		321.8	82.3	.86S	.51T	227.3	59.9	.99D	.15T	1.0	15.0	244.7	58.8	98.8	26.6
		CONE A		29 EXA	.83	CONE C		27 EXC	.81			CONE B		66 EXB	.12

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
86.5	18-2-2	99.7	80.4	.14S	.99N	239.1	12.5	.64D	.77N	289.4	53.9	188.3	8.0	92.7	34.9
		328.1	75.5	.70S	.72T	223.7	45.9	.94D	.35T	359.3	18.3	251.7	42.4	106.6	41.9
ROTATION ABOUT A,C,B AXIS															
-31.0		328.1	75.5	.23S	.97T	191.2	19.4	.66D	.75T	338.8	29.3	241.5	12.7	130.8	57.5
37.4		328.1	75.5	.99S	.15T	236.0	81.8	.97D	.25T	192.5	4.4	297.2	73.3	101.2	16.1
-28.8		127.8	83.9	.71S	.70N	223.7	45.9	.99D	.15N	345.6	34.5	211.6	45.3	94.0	24.6
51.2		18.0	47.0	.31S	.95T	223.7	45.9	.32D	.95T	30.7	.6	300.6	13.2	123.1	76.8
-9.6		334.9	82.5	.68S	.73T	236.9	43.3	.98D	.19T	6.8	24.9	251.7	42.4	117.6	37.3
7.2		322.8	70.4	.72S	.70T	214.7	48.8	.90D	.44T	354.1	13.2	251.7	42.4	97.4	44.6
		CONE A		37 EXA	.79	CONE C		34 EXC	.75			CONE B		74 EXB	.15

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JANUARY 12, 1953 H = 17.23.39 49.5N 156E DEPTH NORMAL M = 6.7

HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 219.

STEVENS, A.E. 1965 DOCTORAL THESIS, U. OF WESTERN ONTARIO

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STEVENS		S - SOLN.	161	57			337	33			160	12	250	2	349	78
HODGSON		51-12	212	59			114	77					185	56		
	70.5	51-15-12	62.7	63.8	.81S	.59T	314.7	57.9	.85D	.52T	97.5	3.6	3.7	46.3	191.0	43.5
			90.6	69.5	.11D	.99T	253.1	21.4	.28S	.96T	85.7	24.2	178.4	5.9	281.2	65.0
ROTATION ABOUT A,C,B AXIS																
-56.6			90.6	69.5	.89D	.46T	190.8	64.7	.92S	.39T	51.5	3.1	146.2	56.5	319.4	33.3
63.0			90.6	69.5	.84S	.55T	347.7	59.1	.91D	.41T	127.1	6.6	28.7	51.5	222.3	37.7
-7.2			82.9	68.9	.06D	1.00T	253.1	21.4	.16S	.99T	80.1	23.8	171.6	3.3	269.0	65.9
14.4			105.7	71.7	.20D	.98T	253.1	21.4	.51S	.86T	96.8	25.9	192.1	10.7	302.6	61.7
-1.0			90.5	70.5	.11D	.99T	252.3	20.4	.29S	.96T	85.6	25.3	178.4	5.9	280.6	64.0
4.0			91.1	65.5	.11D	.99T	255.8	25.2	.24S	.97T	86.2	20.3	178.4	5.9	283.9	68.8
			CONE A		10 EXA	.77	CONE C		24 EXC	.96			CONE B		51 EXB	.82

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
68.9	51-15-14	53.8	84.8	1.00S	.01N	143.8	89.5	1.00D	.09N	278.9	4.0	59.3	84.8	188.7	3.3
		53.8	84.8	1.00S	.01N	143.8	89.5	1.00D	.09N	278.9	4.0	59.3	84.8	188.7	3.3
ROTATION ABOUT A,C,B AXIS															
-0.2		53.8	84.8	1.00S	.01N	143.8	89.3	1.00D	.09N	278.9	4.1	61.5	84.8	188.7	3.2
1.0		53.8	84.8	1.00S	.01T	323.7	89.5	1.00D	.09T	278.8	3.3	48.2	84.8	188.6	4.0
-0.6		53.8	84.2	1.00S	.01N	143.8	89.5	.99D	.10N	278.9	4.4	58.7	84.2	188.6	3.7
.9		53.8	85.7	1.00S	.01N	143.8	89.5	1.00D	.07N	278.8	3.4	60.4	85.7	188.7	2.7
-0.2		54.0	84.8	1.00S	.01N	144.0	89.5	1.00D	.09N	278.9	4.0	59.3	84.8	188.7	3.3
.8		53.0	84.8	1.00S	.01N	143.0	89.4	1.00D	.09N	277.8	4.1	59.3	84.8	187.6	3.2
		CONE A		1 EXA	.33	CONE C		1 EXC	.17			CONE B		1 EXB	.20

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
68.8	51-16-13	208.4	57.8	.96S	.29T	109.3	75.8	.84D	.55T	72.1	11.7	178.8	54.1	334.3	33.4
		208.4	57.8	.96S	.29T	109.3	75.8	.84D	.55T	72.1	11.7	178.8	54.1	334.3	33.4
ROTATION ABOUT A,C,B AXIS															
-3.8		208.4	57.8	.94S	.35T	107.1	72.6	.83D	.56T	70.5	9.5	173.1	52.4	333.6	36.0
.8		208.4	57.8	.96S	.28T	109.7	76.5	.84D	.55T	72.4	12.2	180.0	54.4	334.3	32.8
-8.0		205.9	65.5	.96S	.27T	109.3	75.8	.90D	.43T	69.2	6.9	171.9	61.2	335.6	27.8
6.4		210.8	51.7	.95S	.31T	109.3	75.8	.77D	.64T	74.9	15.4	182.8	48.2	332.7	37.7
-1.6		210.2	58.3	.95S	.31T	110.6	74.9	.84D	.54T	73.5	10.8	178.8	54.1	336.2	33.8
.1		208.3	57.8	.96S	.29T	109.2	75.9	.84D	.55T	72.0	11.8	178.8	54.1	334.1	33.3
		CONE A		5 EXA	.88	CONE C		3 EXC	.63			CONE B		8 EXB	.68

301
JANUARY 20, 1953 H = 17.33.07 1.5N 126 DEPTH NORMAL M = 6.5
RITSEMA, A.R. 1956 LEM. MET. GEOFIS. VER. NO. 50.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		40	245	80			335	89								
	86.4	40-7-5	230.8	89.1	1.00S	.01T	140.8	89.3	1.00D	.02T	95.8	.1	192.9	88.8	5.8	1.2
			250.1	72.6	.39S	.92T	125.2	28.7	.78D	.62T	267.9	24.1	167.4	22.1	40.0	56.3
ROTATION ABOUT A,C,B AXIS																
-63.0			250.1	72.6	.64D	.77T	359.9	42.9	.90S	.44T	221.7	17.9	326.1	37.6	111.5	46.9
63.0			250.1	72.6	1.00S	.07T	159.0	86.4	.95D	.30T	115.7	9.6	237.6	72.2	23.2	14.8
-51.2			24.0	83.9	.47S	.88N	125.2	28.7	.98D	.22N	231.7	44.0	110.8	28.0	.6	33.0
8.0			258.0	69.6	.35S	.94T	125.2	28.7	.69D	.73T	273.6	21.9	175.5	19.3	48.0	60.1
-8.0			253.3	80.0	.38S	.92T	140.4	24.5	.91D	.42T	271.7	31.4	167.4	22.1	48.4	50.0
2.0			249.3	70.7	.40S	.92T	122.1	30.0	.75D	.66T	267.0	22.2	167.4	22.1	37.3	57.7
			CONE A		24 EXA	.83	CONE C		35 EXC	.92			CONE B		86 EXB	.53

302
* FEBRUARY 12, 1953 H = 08.15.29 35N 54.5E DEPTH NORMAL M = 7
SOBOUTI, M. 1964 DOCTORAL THESIS, U. OF PARIS. DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. KITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
SOBOUTI	85.0	35-5-5	254.7	77.2	.94S	.35N	349.4	70.3	.97D	.24N	121.0	23.3	313.7	66.2	213.0	4.7
			254.9	77.4	.94S	.33N	349.2	71.3	.97D	.23N	121.1	22.5	312.8	67.1	212.9	4.2
ROTATION ABOUT A,C,B AXIS																
	-1.0		254.9	77.4	.94S	.35N	349.5	70.3	.97D	.23N	121.0	23.1	314.2	66.3	213.1	4.8
	10.2		254.9	77.4	.99S	.16N	346.9	81.2	.98D	.22N	121.1	15.3	290.8	74.5	30.4	2.6
	-4.0		253.5	73.6	.94S	.33N	349.2	71.3	.95D	.30N	121.0	25.2	305.0	64.7	211.7	1.6
	5.6		256.7	82.7	.95S	.32N	349.2	71.3	.99D	.13N	121.6	18.5	326.3	69.8	214.2	7.9
	-0.7		255.5	77.1	.95S	.33N	349.9	71.4	.97D	.23N	122.0	22.5	312.8	67.1	213.6	3.9
	1.8		253.1	78.0	.94S	.34N	347.4	70.9	.98D	.22N	119.2	22.3	312.8	67.1	211.2	4.9
			CONE A	5 EXA	.74		CONE C	5 EXC	.78				CONE B	10 EXB	.14	

303
FEBRUARY 25, 1953 H = 21.16.18 56N 156.5W DEPTH NORMAL M = 6.7
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 219.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		69-16	235	70			333	71					285	61		
	83.9	69-14-12	280.4	87.6	.75S	.66N	12.5	48.5	1.00D	.06N	138.0	29.9	7.7	48.4	244.3	26.0
			281.8	85.6	.42S	.91N	21.1	25.2	.98D	.18N	126.1	43.9	9.7	24.8	260.2	35.8
ROTATION ABOUT A,C,B AXIS																
	-101.4		281.8	85.6	.97D	.23N	190.7	76.6	1.00S	.08N	56.9	12.7	209.5	75.8	325.5	6.3
	31.0		281.8	85.6	.83S	.56N	14.7	56.0	1.00D	.09N	142.7	26.7	5.3	55.6	243.3	20.0
	0		281.8	85.6	.42S	.91N	21.1	25.2	.98D	.18N	126.1	43.9	9.7	24.8	260.2	35.8
	3.6		285.0	87.1	.42S	.91N	21.1	25.2	.99D	.12N	129.1	42.5	13.7	25.1	262.9	37.1
	0		281.8	85.6	.42S	.91N	21.1	25.2	.98D	.18N	126.1	43.9	9.7	24.8	260.2	35.8
	2.8		280.6	88.2	.42S	.91N	14.6	24.9	1.00D	.08N	123.9	41.6	9.7	24.8	258.3	38.3
			CONE A	3 EXA	.22		CONE C	19 EXC	.98				CONE B	22 EXB	.97	

304
MARCH 5, 1953 H = 21.01.23 51N 158E DEPTH 50 KM. M = 6.7
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 219.
STAUDER, W., S.J. 1960 BULL. SEIS. SOC. AM., 50, 347.
STEVENS, A.E. 1965 DOCTORAL THESIS, U. OF WESTERN ONTARIO

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STEVENS		S - SOLN.	160	57			356	34			166	12	75	7	315	76
HODGSON		73-9	137	90			47	66					47	66		
	91.1	73-9-6	147.5	71.2	.75S	.66T	41.7	51.3	.91D	.41T	180.4	12.4	77.6	45.3	281.8	42.1
			146.7	51.5	.03D	1.00T	324.1	38.5	.04S	1.00T	145.6	6.5	235.7	1.3	337.0	83.4
ROTATION ABOUT A,C,B AXIS																
	-24.6		146.7	51.5	.44D	.90T	288.4	45.4	.49S	.87T	128.5	3.2	219.7	20.2	29.8	69.5
	50.2		146.7	51.5	.75S	.66T	28.0	58.8	.69D	.73T	358.8	4.2	91.9	35.9	263.0	53.8
	-38.4		100.9	59.9	.43S	.90T	324.1	38.5	.59D	.81T	118.8	11.5	24.2	21.7	234.8	65.2
	16.0		166.7	53.7	.24D	.97T	324.1	38.5	.31S	.95T	156.9	7.7	248.4	11.1	32.6	76.4
	-25.6		146.0	77.1	.02D	1.00T	320.2	13.0	.10S	1.00T	144.9	32.1	235.7	1.3	327.8	57.9
	22.4		148.0	29.1	.05D	1.00T	325.0	60.9	.03S	1.00T	326.1	15.9	235.7	1.3	141.1	74.0
			CONE A	51 EXA	.12		CONE C	60 EXC	.36				CONE B	64 EXB	.27	

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		66	-	-			-	-					-	-		
	99.1	66-1	288.9	64.9	.99S	.15T	195.3	82.3	.90D	.43T	154.5	11.8	269.5	63.6	59.4	23.2
			347.4	31.0	.31S	.95T	187.9	60.6	.18D	.98T	180.3	15.0	272.8	9.1	33.0	72.3
ROTATION ABOUT A,C,B AXIS																
	-50.2		347.4	31.0	.54D	.84T	130.9	64.2	.31S	.95T	144.0	17.4	48.9	16.0	278.7	66.0
	21.4		347.4	31.0	.63S	.77T	211.0	66.4	.36D	.93T	195.6	18.8	292.3	19.0	64.2	62.7
	-38.4		301.2	55.0	.80S	.60T	187.9	60.6	.75D	.66T	155.7	3.4	248.6	41.0	61.8	48.8
	51.2		68.3	48.7	.76D	.65T	187.9	60.6	.65S	.76T	215.7	6.9	120.9	34.7	315.4	54.4
	-28.8		357.3	59.0	.18S	.98T	197.3	32.5	.29D	.96T	5.0	13.4	272.8	9.1	149.6	73.7
	28.8		279.2	9.1	.99S	.11T	182.9	89.0	.16D	.99T	174.1	43.3	272.8	9.1	12.1	45.3
			CONE A		72 EXA	.36	CONE C		64 EXC	.20			CONE B		80 EXB	.20

COMBINATION OF HODGSON AND STAUDER. IN CASES OF DISAGREEMENT OF DATA THOSE OF STAUDER ARE TAKEN TO BE CORRECT.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
95.0	98-8-5	287.7	64.8	.99S	.16T	193.7	81.6	.90D	.43T	153.1	11.4	266.7	63.3	58.0	23.8
		326.6	37.6	.25S	.97T	164.3	53.7	.19D	.98T	156.8	8.1	248.0	8.6	23.9	78.1
ROTATION ABOUT A,C,B AXIS															
-43.8		326.6	37.6	.49D	.87T	111.0	58.0	.36S	.93T	125.8	10.7	32.4	17.5	245.8	69.3
3.0		326.6	37.6	.30S	.96T	168.0	54.3	.22D	.98T	158.8	8.5	250.4	10.4	30.4	76.5
-25.6		293.2	49.5	.63S	.78T	164.3	53.7	.59D	.81T	139.5	2.3	230.8	28.5	45.3	61.4
51.2		39.6	52.2	.66D	.75T	164.3	53.7	.65S	.76T	191.6	.8	101.1	31.6	283.0	58.4
-22.4		332.8	59.5	.17S	.98T	172.0	31.9	.28D	.96T	340.2	14.0	248.0	8.6	127.3	73.5
11.2		320.6	26.9	.33S	.94T	162.0	64.8	.17D	.99T	155.0	19.3	248.0	8.6	.9	68.8
		CONE A		51 EXA	.56	CONE C		40 EXC	.28			CONE B		60 EXB	.39

305
* MARCH 18, 1953 H = 19.06.13 40.0N 27.3E DEPTH NORMAL
DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	85.5	54-10-8	240.1	84.1	.97S	.24T	148.6	75.9	.99D	.11T	283.6	5.7	172.2	74.7	15.1	14.1
			240.4	84.0	.97S	.24T	148.9	76.0	.99D	.11T	284.0	5.6	173.1	74.7	15.4	14.2
ROTATION ABOUT A,C,B AXIS																
	-3.0		240.4	84.0	.96S	.29T	148.6	73.0	.99D	.11T	283.5	7.6	169.3	71.9	15.8	16.3
	7.0		240.4	84.0	.99S	.12T	149.7	82.9	.99D	.11T	285.3	.8	190.6	80.7	15.4	9.3
	-0.4		240.3	84.4	.97S	.24T	148.9	76.0	.99D	.10T	284.0	5.8	171.7	74.9	15.5	13.9
	6.4		242.0	77.8	.97S	.25T	148.9	76.0	.98D	.22T	285.4	1.2	191.7	71.2	15.8	18.8
	-0.2		240.6	84.0	.97S	.24T	149.1	76.0	.99D	.11T	284.0	5.6	173.1	74.7	15.4	14.2
	1.2		239.3	83.7	.97S	.24T	147.7	76.1	.99D	.11T	282.9	5.3	173.1	74.7	14.2	14.3
			CONE A		3 EXA	.79	CONE C		4 EXC	.86			CONE B		8 EXB	.32

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	83.8	54-11-9	62.9	83.4	.99S	.17N	154.1	80.4	.99D	.12N	288.6	11.5	119.2	78.3	19.0	2.1
			63.8	81.8	.98S	.19N	155.4	79.2	.99D	.14N	289.4	13.5	117.3	76.4	19.8	1.8
ROTATION ABOUT A,C,B AXIS																
	-2.6		63.8	81.8	.97S	.23N	155.8	76.7	.99D	.15N	289.4	15.3	123.1	74.3	20.4	3.5
	6.2		63.8	81.8	1.00S	.08N	154.5	85.4	.99D	.14N	289.6	9.0	93.7	80.6	199.2	2.5
	-11.2		61.6	70.8	.98S	.20N	155.4	79.2	.94D	.33N	289.7	21.4	93.2	67.8	197.4	5.7
	2.4		64.3	84.2	.98S	.19N	155.4	79.2	.99D	.10N	289.3	11.8	126.3	77.7	20.0	3.5
	-0.2		64.0	81.8	.98S	.19N	155.6	79.3	.99D	.15N	289.6	13.5	117.3	76.4	20.0	1.8
	6.4		57.5	83.1	.98S	.20N	148.9	78.4	.99D	.12N	282.8	13.2	117.3	76.4	13.5	3.3
			CONE A		9 EXA	.51	CONE C		8 EXC	.25			CONE B		11 EXB	.35

306
APRIL 6, 1953 H = 00.36.16 7.3S 131E DEPTH NORMAL
RITSEMA, A.R. 1956 LEM. MET. GEOFIS. VER. NO. 50.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		58	37	59			292	67								
	86.4	58-8-7	289.2	67.7	.82S	.57N	34.0	58.1	.89D	.45N	158.4	40.0	350.6	49.4	253.5	6.0
			296.9	62.8	.28S	.96N	84.5	31.4	.48D	.88N	148.8	68.0	19.4	14.4	285.1	16.3
ROTATION ABOUT A,C,B AXIS																
	-63.0		296.9	62.8	.73D	.69N	183.7	52.5	.82S	.58N	65.3	48.9	232.9	40.4	328.2	6.2
	43.8		296.9	62.8	.87S	.50N	41.7	63.6	.86D	.51N	169.5	39.6	348.5	50.4	79.1	.5
	-7.2		289.0	61.0	.22S	.98N	84.5	31.4	.36D	.93N	137.4	71.2	12.9	10.9	279.9	15.1
	3.2		300.4	63.7	.31S	.95N	84.5	31.4	.53D	.85N	153.2	66.5	22.3	15.9	287.3	16.9
	-2.4		297.7	60.5	.29S	.96N	86.5	33.5	.45D	.89N	153.4	69.7	19.4	14.4	285.7	14.0
	9.6		294.1	72.0	.26S	.97N	72.9	23.4	.63D	.78N	136.0	60.2	19.4	14.4	282.4	25.5
			CONE A		11 EXA	.13	CONE C		36 EXC	.89			CONE B		33 EXB	.90

307
APRIL 23, 1953 H = 16.24.17 4S 154E DEPTH NORMAL M = 7.6
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		14-3	339	74			70	88					348	74		
	92.3	14-1-1	343.1	82.5	1.00S	.08T	252.5	85.4	.99D	.13T	207.9	2.0	311.2	81.2	117.6	8.6
			343.1	82.5	1.00S	.08T	252.5	85.4	.99D	.13T	207.9	2.0	311.2	81.2	117.6	8.6
ROTATION ABOUT A,C,B AXIS																
	-13.4		343.1	82.5	.95S	.31T	250.6	72.1	.99D	.14T	25.7	7.2	274.9	70.5	118.1	18.0
	2.6		343.1	82.5	1.00S	.04T	252.8	88.0	.99D	.13T	208.0	3.9	327.8	82.2	117.5	6.7
	-0.5		343.0	83.0	1.00S	.08T	252.5	85.4	.99D	.12T	207.9	1.7	309.4	81.6	117.6	8.2
	.1		343.1	82.4	1.00S	.08T	252.5	85.4	.99D	.13T	207.9	2.1	311.5	81.1	117.6	8.6
	-9.6		352.7	83.4	.99S	.10T	262.0	84.2	.99D	.12T	217.6	.6	311.2	81.2	127.5	8.8
	.8		342.3	82.4	1.00S	.08T	251.7	85.5	.99D	.13T	207.0	2.2	311.2	81.2	116.7	8.5
			CONE A		2 EXA	.94	CONE C		13 EXC	.35			CONE B		3 EXB	.96

308
MAY 17, 1953 H = 22.12.05 34.7N 139.7E DEPTH 110 KM.
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA			305	70			101	22					32	8		
	89.1	39-4-4	100.2	18.2	.02S	1.00T	281.5	71.8	.01D	1.00T	281.2	26.8	11.4	.4	102.2	63.2
			99.6	18.4	.04S	1.00T	281.9	71.6	.01D	1.00T	281.3	26.6	11.7	.7	103.1	63.4
ROTATION ABOUT A,C,B AXIS																
	-13.4		99.6	18.4	.19D	.98T	267.8	72.0	.06S	1.00T	270.8	26.9	179.0	3.5	82.2	62.8
	50.2		99.6	18.4	.79S	.61T	333.5	78.9	.26D	.97T	321.2	32.3	60.6	14.5	171.3	53.8
	-11.2		68.1	21.8	.53S	.85T	281.9	71.6	.21D	.98T	272.6	25.7	8.1	11.3	119.8	61.6
	6.4		119.4	19.2	.28D	.96T	281.9	71.6	.10S	1.00T	286.4	26.4	193.7	5.4	93.0	63.0
	-2.8		99.9	21.2	.03S	1.00T	282.0	68.8	.01D	1.00T	281.4	23.8	11.7	.7	103.3	66.2
	6.4		98.4	12.0	.06S	1.00T	281.9	78.0	.01D	1.00T	281.2	33.0	11.7	.7	102.8	57.0
			CONE A		13 EXA	.48	CONE C		24 EXC	.86			CONE B		33 EXB	.72

WITH ADDITIONAL DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE
OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
89.1	52-5-5	102.6	17.7	.81S	.59T	337.8	79.7	.25D	.97T	325.7	33.2	65.2	14.2	174.9	53.1
		56.2	33.3	.97S	.23T	315.1	82.8	.54D	.84T	288.9	30.2	40.5	32.3	166.4	42.8
ROTATION ABOUT A,C,B AXIS															
-0.2		56.2	33.3	.97S	.23T	314.9	82.7	.54D	.84T	288.8	30.1	40.3	32.3	166.3	42.9
10.2		56.2	33.3	1.00S	.05T	323.7	88.3	.55D	.84T	295.5	34.7	52.6	33.3	173.1	37.7
-11.2		52.6	44.3	.98S	.18T	315.1	82.8	.69D	.72T	282.5	24.7	38.2	43.4	172.6	36.5
25.6		90.8	10.1	.69S	.72T	315.1	82.8	.12D	.99T	308.8	37.4	44.2	7.0	143.1	51.7
-0.4		57.0	33.4	.97S	.24T	315.3	82.4	.54D	.84T	289.3	29.8	40.5	32.3	166.8	43.1
14.4		29.7	32.8	.99S	.16N	127.4	85.1	.54D	.84N	277.3	40.9	40.5	32.3	154.0	32.3
		CONE A		23 EXA	.60	CONE C		12 EXC	.30			CONE B		20 EXB	.72

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
88.5	52-6-6	45.9	44.4	1.00S	.03N	137.0	88.9	.70D	.71N	281.7	31.2	48.1	44.4	171.6	29.4
		42.4	45.9	.99S	.12T	307.8	85.2	.72D	.70T	273.6	25.7	32.9	45.5	165.1	33.4
ROTATION ABOUT A,C,B AXIS															
-10.2		42.4	45.9	1.00S	.06N	134.9	87.4	.72D	.70N	278.4	31.6	47.5	45.8	169.8	27.4
.4		42.4	45.9	.99S	.12T	307.5	84.9	.72D	.70T	273.5	25.5	32.4	45.4	165.0	33.7
-16.0		46.1	30.0	.99S	.17T	307.8	85.2	.50D	.87T	282.9	33.6	35.1	29.6	156.0	42.1
9.6		41.1	55.4	.99S	.10T	307.8	85.2	.82D	.57T	269.6	20.0	31.0	55.0	168.7	27.4
-0.8		43.5	46.0	.99S	.13T	308.4	84.7	.72D	.70T	274.3	25.2	32.9	45.5	166.0	33.8
9.6		29.0	45.6	1.00S	.05N	120.9	88.0	.71D	.70N	264.8	31.3	32.9	45.5	155.8	28.1
		CONE A		16 EXA	.59	CONE C		10 EXC	.02			CONE B		16 EXB	.59

309
JUNE 25, 1953 H = 10.44.57 8.5S 123.5E DEPTH NORMAL M = 6.8
RITSEMA, A.R. 1956 LEM. MET. GEOFIS. VER. NO. 50.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		63	294	87			24	87								
	82.9	63-12-11	22.2	86.4	1.00S	.02N	112.3	89.1	1.00D	.06N	247.3	3.2	36.3	86.3	157.2	1.9
			22.5	86.6	1.00S	.01N	112.5	89.1	1.00D	.06N	246.7	3.0	36.5	86.5	156.6	1.8
ROTATION ABOUT A,C,B AXIS																
	0		22.5	86.6	1.00S	.01N	112.5	89.1	1.00D	.06N	246.7	3.0	36.5	86.5	156.6	1.8
	0		22.5	86.6	1.00S	.01N	112.5	89.1	1.00D	.06N	246.7	3.0	36.5	86.5	156.6	1.8
	-0.4		22.5	86.2	1.00S	.01N	112.5	89.1	1.00D	.07N	246.8	3.3	35.1	86.1	156.7	2.0
	.3		22.5	86.9	1.00S	.01N	112.5	89.1	1.00D	.05N	246.5	2.9	37.7	86.7	156.5	1.6
	-0.6		23.1	86.6	1.00S	.01N	113.1	89.2	1.00D	.06N	248.3	3.0	36.5	86.5	158.2	1.8
	2.0		20.5	86.6	1.00S	.02N	110.5	89.0	1.00D	.06N	245.1	3.1	36.5	86.5	155.1	1.7

CONE A 1 EXA .73 CONE C 0 EXC 1.00 CONE B 0 EXB 1.00

310
JUNE 28, 1953 H = 14.43.06 36.1N 137.3E DEPTH 250 KM.
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
													275	25		
ICHIKAWA		54	211	48			344	53								
	87.0	54-8-7	79.1	67.2	.84S	.54T	335.2	60.2	.89D	.45T	115.8	4.4	20.3	50.9	209.4	38.7
			79.1	67.1	.84S	.55T	334.7	59.6	.89D	.45T	115.4	4.7	19.7	50.3	209.3	39.3
ROTATION ABOUT A,C,B AXIS																
	-5.4		79.1	67.1	.78S	.63T	331.7	54.8	.88D	.48T	112.8	7.6	14.9	45.9	210.0	43.1
	2.6		79.1	67.1	.86S	.51T	336.0	61.9	.90D	.44T	116.6	3.3	22.3	52.3	209.2	37.5
	-0.6		78.7	67.6	.84S	.55T	334.7	59.6	.90D	.44T	115.1	5.1	18.9	50.6	209.2	38.9
	1.0		79.7	66.2	.83S	.55T	334.7	59.6	.88D	.47T	115.8	4.2	20.9	49.7	209.3	40.0
	-2.8		81.6	68.6	.83S	.56T	337.6	58.3	.90D	.43T	117.6	6.5	19.7	50.3	212.9	38.9
	.2		78.9	67.0	.84S	.55T	334.5	59.7	.89D	.45T	115.3	4.6	19.7	50.3	209.1	39.3

CONE A 2 EXA .47 CONE C 5 EXC .62 CONE B 4 EXB .80

311
JULY 1, 1953 H = 02.59.35 50.5N 157E DEPTH 60 KM. M = 6.7
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 219.
STEVENS, A.E. 1965 DOCTORAL THESIS, U. OF WESTERN ONTARIO

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STEVENS		S - SOLN.	169	57			353	33			170	12	80	2	341	78
HODGSON			-	-			-	-					-	-		
	89.1	61-8-7	267.6	78.8	1.00S	.02N	357.8	89.0	.98D	.19N	133.3	8.6	272.9	78.8	42.2	7.2
			323.9	38.9	.03S	1.00T	145.9	51.1	.02D	1.00T	145.0	6.1	235.1	1.0	334.4	83.8
ROTATION ABOUT A,C,B AXIS																
	-15.0		323.9	38.9	.29S	.96T	164.8	53.0	.22D	.97T	155.6	7.2	246.9	10.3	31.3	77.4
	37.4		323.9	38.9	.59D	.81T	101.0	59.4	.43S	.90T	118.9	11.0	24.5	21.6	234.1	65.5
	-51.2		28.1	59.9	.69D	.73T	145.9	51.1	.77S	.64T	358.8	5.1	92.6	36.6	262.0	52.9
	22.4		291.0	44.5	.45S	.90T	145.9	51.1	.40D	.92T	129.4	3.5	220.5	18.2	29.0	71.5
	-22.4		324.5	61.3	.02S	1.00T	146.9	28.7	.04D	1.00T	325.4	16.3	235.1	1.0	141.7	73.7
	25.6		320.9	13.3	.07S	1.00T	145.3	76.7	.02D	1.00T	144.5	31.7	235.1	1.0	326.7	58.3

CONE A 59 EXA .35 CONE C 50 EXC .08 CONE B 62 EXB .29

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	88.8	61-7-6	151.0	41.2	.54S	.84T	11.2	56.3	.42D	.91T	353.5	8.0	86.6	20.7	243.5	67.7
			144.7	51.0	0S	1.00T	324.8	39.0	0D	1.00T	144.7	6.0	54.7	.1	323.7	84.0
ROTATION ABOUT A,C,B AXIS																
	-24.6		144.7	51.0	.41D	.91T	288.7	45.0	.46S	.89T	127.6	3.2	218.7	18.8	28.5	70.9
	50.2		144.7	51.0	.77S	.64T	27.1	60.2	.69D	.72T	357.8	5.4	91.8	36.7	260.7	52.8
	-38.4		99.1	60.5	.45S	.89T	324.8	39.0	.62D	.78T	118.1	11.6	23.1	23.1	232.9	63.8
	16.0		164.9	52.8	.22D	.98T	324.8	39.0	.27S	.96T	156.1	7.0	247.3	9.9	31.3	77.8
	-25.6		144.7	76.6	0S	1.00T	325.0	13.4	.01D	1.00T	144.8	31.6	54.7	.1	324.5	58.4
	22.4		144.6	28.6	0S	1.00T	324.8	61.4	0D	1.00T	324.7	16.4	54.7	.1	145.0	73.6
			CONE A	51 EXA	.12		CONE C	60 EXC	.36				CONE B	64 EXB	.27	

THE ABOVE SOLN. REPRESENTS UNDEFINED CENTRAL DILATATIONAL CIRCLES.

312
JULY 2, 1953 H = 06.56.51 18.5S 169E DEPTH 220 KM. M = 7.7
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 171.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		94-12	204	87			-	-					-	-		
	92.8	93-11-6	242.8	73.5	.71S	.70T	137.1	47.5	.92D	.38T	274.3	16.1	168.8	42.9	19.7	42.7
			195.8	63.3	.02D	1.00T	13.7	26.8	.03S	1.00T	195.1	18.3	285.4	.8	17.8	71.7
ROTATION ABOUT A,C,B AXIS																
	-56.6		195.8	63.3	.84D	.54T	301.8	61.4	.86S	.51T	159.1	1.2	250.5	48.9	68.1	41.1
	63.0		195.8	63.3	.88S	.47T	92.4	65.3	.87D	.50T	54.5	1.3	146.1	52.1	323.5	37.9
	-38.4		154.0	68.8	.29S	.96T	13.7	26.8	.59D	.80T	166.7	22.1	70.2	15.5	307.9	62.5
	51.2		249.8	74.3	.37D	.93T	13.7	26.8	.80S	.60T	232.7	26.1	333.6	21.1	97.5	55.4
	-25.6		195.4	88.9	.01D	1.00T	338.6	1.4	.60S	.80T	194.6	43.9	285.4	.8	16.2	46.1
	16.0		196.1	47.3	.02D	1.00T	14.4	42.7	.02S	1.00T	195.4	2.3	285.4	.8	34.6	87.6
			CONE A	61 EXA	.54		CONE C	71 EXC	.65				CONE B	104 EXB	.25	

313
JULY 7, 1953 H = 04.07.48 1N 100E DEPTH 220 KM.
RITSEMA, A.R. 1956 LEM. MET. GEOFIS. VER. NO. 50.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		49	275	62			140	37								
	76.3	49-11-11	237.4	81.4	.55S	.84T	134.6	34.3	.96D	.27T	263.6	28.6	153.0	32.9	24.9	43.6
			268.8	61.6	.19S	.98T	110.6	30.2	.33D	.95T	276.7	16.0	183.9	9.5	64.4	71.3
ROTATION ABOUT A,C,B AXIS																
	-43.8		268.8	61.6	.55D	.84T	35.0	42.5	.71S	.70T	245.7	10.7	341.6	28.7	137.3	59.1
	50.2		268.8	61.6	.87S	.49T	164.0	64.7	.85D	.53T	127.0	2.0	219.4	50.3	35.4	39.7
	-25.6		241.7	69.0	.38S	.93T	110.6	30.2	.70D	.71T	258.4	21.0	160.1	20.7	29.6	59.8
	16.0		287.0	59.8	.03S	1.00T	110.6	30.2	.05D	1.00T	288.3	14.8	197.9	1.5	102.1	75.1
	-9.6		270.7	71.0	.17S	.98T	119.2	21.3	.45D	.89T	278.5	25.4	183.9	9.5	75.1	62.7
	3.2		268.1	58.5	.19S	.98T	108.7	33.2	.30D	.95T	276.1	12.8	183.9	9.5	58.4	74.0
			CONE A	23 EXA	.69		CONE C	35 EXC	.86				CONE B	63 EXB	.56	

	SCORE	OBSERVED	PLANE A AZ	DIP	COMPONENT STRIKE	DIP	PLANE C AZ	DIP	COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
	76.2	49-10-10	297.5	54.4	.95S	.31T	196.6	75.2	.80D	.60T	161.2	13.4	267.9	50.5	61.1	36.3
			292.8	53.8	.37S	.93T	146.8	41.4	.45D	.89T	308.0	6.5	216.0	17.4	57.7	71.4
ROTATION ABOUT A,C,B AXIS																
	-50.2		292.8	53.8	.48D	.88T	70.2	44.8	.55S	.84T	273.1	4.8	5.1	22.7	171.8	66.7
	56.6		292.8	53.8	.98S	.20T	195.8	80.6	.80D	.60T	159.4	17.6	273.5	52.2	57.9	32.2
	-44.8		250.8	78.0	.64S	.77T	146.8	41.4	.95D	.31T	280.3	22.5	170.7	38.9	32.7	42.6
	11.2		306.3	50.5	.23S	.97T	146.8	41.4	.27D	.96T	315.8	4.6	225.0	10.3	69.7	78.7
	-8.0		296.2	61.3	.34S	.94T	153.2	34.4	.53D	.85T	310.5	14.1	216.0	17.4	77.5	67.3
	5.6		290.1	48.7	.40S	.92T	143.3	46.4	.41D	.91T	306.4	1.2	216.0	17.4	40.2	72.6
			CONE A		28 EXA	.76	CONE C		38 EXC	.87			CONE B		77 EXB	.48

314
JULY 22, 1953 H = 05.11.15 51N 157E DEPTH 60 KM. M = 6.7
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 219.
STEVENS, A.E. 1965 DOCTORAL THESIS, U. OF WESTERN ONTARIO

AUTHOR	SCORE	OBSERVED	PLANE A AZ	DIP	COMPONENT STRIKE	DIP	PLANE C AZ	DIP	COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
STEVENS		S - SOLN.	137	48			313	42			135	3	225	2	349	86
HODGSON			-	-			-	-					-	-		
	94.9	82-5-5	49.0	51.5	.86S	.52T	298.5	66.2	.73D	.68T	266.9	8.9	5.0	42.1	167.3	46.5
			124.6	46.8	.23D	.97T	285.7	44.8	.24S	.97T	115.3	1.0	205.5	9.6	19.4	80.3
ROTATION ABOUT A,C,B AXIS																
	-11.8		124.6	46.8	.42D	.91T	270.3	48.7	.41S	.91T	287.2	1.0	196.9	18.0	20.3	72.0
	13.4		124.6	46.8	0S	1.00T	304.8	43.2	0D	1.00T	124.7	1.8	34.7	.1	301.5	88.2
	-51.2		58.4	56.0	.52S	.86T	285.7	44.8	.61D	.79T	80.0	6.1	347.1	25.4	182.5	63.8
	32.0		161.0	60.5	.58D	.81T	285.7	44.8	.72S	.70T	136.5	8.8	231.7	30.3	32.0	58.2
	-8.0		122.4	54.6	.21D	.98T	282.5	37.1	.28S	.96T	114.0	8.9	205.5	9.6	341.9	76.9
	16.0		131.6	31.4	.32D	.95T	290.0	60.5	.19S	.98T	298.1	14.8	205.5	9.6	83.6	72.2
			CONE A		45 EXA	.71	CONE C		25 EXC	.05			CONE B		46 EXB	.70

315
AUGUST 9, 1953 H = 07.41.05 38.5N 21E DEPTH NORMAL M = 6.2
HODGSON, J.H. AND COCK, J.I. 1956 PUB. DOM. OBS., 18, 149.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	DIP	COMPONENT STRIKE	DIP	PLANE C AZ	DIP	COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
HODGSON		44-9	265	73			359	76					305	68		
	80.9	44-9-6	255.9	86.7	.85S	.52N	347.9	58.7	1.00D	.07N	117.3	24.1	340.5	58.5	216.2	19.1
			255.6	86.9	.85S	.52N	347.5	58.7	1.00D	.06N	116.9	23.9	340.5	58.5	215.8	19.2
ROTATION ABOUT A,C,B AXIS																
	-7.0		255.6	86.9	.78S	.62N	348.0	51.7	1.00D	.07N	114.7	28.5	341.7	51.5	218.4	23.6
	7.0		255.6	86.9	.91S	.41N	347.0	65.7	1.00D	.06N	118.6	19.2	338.8	65.5	213.9	14.6
	-1.0		255.1	86.0	.85S	.52N	347.5	58.7	1.00D	.08N	116.7	24.6	338.6	58.4	215.6	18.5
	4.8		78.1	89.0	.85S	.52T	347.5	58.7	1.00D	.02T	118.3	20.8	349.7	58.7	217.3	22.3
	-1.0		256.4	86.4	.85S	.52N	348.6	58.8	1.00D	.07N	117.9	24.3	340.5	58.5	216.7	18.8
	6.4		70.1	89.8	.85S	.52T	340.0	58.5	1.00D	0T	110.6	21.5	340.5	58.5	209.7	21.8
			CONE A		7 EXA	.22	CONE C		10 EXC	.47			CONE B		9 EXB	.59

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS -PL	T AXIS AZ	T AXIS PL
79.4	44-9-7	271.7	69.0	.84S	.54T	168.5	59.4	.91D	.42T	308.3	6.1	210.6	51.5	43.1	37.8
		274.3	68.5	.82S	.57T	170.1	58.0	.90D	.43T	310.1	6.6	212.2	49.9	45.6	39.3
ROTATION ABOUT A,C,B AXIS															
-43.8		274.3	68.5	.20S	.98T	123.4	24.2	.45D	.89T	283.0	22.7	188.5	10.7	75.0	64.7
6.2		274.3	68.5	.88S	.48T	173.0	63.7	.91D	.41T	312.7	3.1	218.3	54.9	44.9	34.9
-3.2		272.4	71.2	.83S	.56T	170.1	58.0	.92D	.38T	308.7	8.4	207.9	51.7	45.1	37.0
.7		274.7	68.0	.82S	.57T	170.1	58.0	.90D	.44T	310.4	6.3	213.0	49.5	45.7	39.8
-1.8		275.9	69.6	.82S	.58T	172.0	57.3	.91D	.42T	311.6	7.8	212.2	49.9	47.9	39.0
.3		274.0	68.4	.82S	.57T	169.7	58.2	.90D	.43T	309.9	6.5	212.2	49.9	45.3	39.4
		CONE A		3 EXA	.46	CONE C		10 FXC	.96			CONE B		14 EXB	.92

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
78.2	44-10-8	67.0	72.9	.92S	.39T	329.9	67.9	.95D	.32T	107.7	3.3	11.5	61.5	199.4	28.3
		67.4	73.1	.92S	.40T	330.2	67.8	.95D	.31T	108.0	3.5	11.5	61.5	199.9	28.2
ROTATION ABOUT A,C,B AXIS															
-1.4		67.4	73.1	.91S	.42T	329.8	66.5	.95D	.32T	107.6	4.4	9.8	60.4	200.0	29.2
1.8		67.4	73.1	.93S	.37T	330.8	69.5	.95D	.31T	108.6	2.4	13.9	62.9	199.9	27.0
-4.8		65.4	77.5	.92S	.39T	330.2	67.8	.97D	.23T	106.5	6.6	2.8	64.2	199.6	24.8
.2		67.5	72.9	.92S	.40T	330.2	67.8	.95D	.32T	108.0	3.4	11.8	61.4	199.9	28.4
-0.2		67.6	73.1	.92S	.40T	330.4	67.7	.95D	.31T	108.1	3.6	11.5	61.5	200.1	28.2
4.8		62.7	71.2	.93S	.37T	325.4	69.4	.94D	.34T	103.7	1.2	11.5	61.5	194.4	28.5
		CONE A		5 EXA	.00	CONE C		4 EXC	.36			CONE B		4 EXB	.36

316
AUGUST 12, 1953 H = 06.08.03 38.5N 21E DEPTH NORMAL
HODGSON, J.H. AND COCK, J.I. 1956 PUB. DOM. OBS., 18, 149.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		22-4	302	69			34	84					318	68		
	81.9	22-4-3	206.1	13.5	.09S	1.00T	31.4	76.6	.02D	1.00T	30.4	31.6	121.1	1.2	213.1	58.4
			210.3	12.0	.04D	1.00T	27.7	78.0	.01S	1.00T	28.1	33.0	297.8	.5	207.0	57.0
ROTATION ABOUT A,C,B AXIS																
-0.4			210.3	12.0	.05D	1.00T	27.3	78.0	.01S	1.00T	27.8	33.0	297.4	.6	206.5	57.0
7.0			210.3	12.0	.08S	1.00T	34.9	78.0	.02D	1.00T	34.1	33.0	124.7	.9	216.1	57.0
-5.6			184.6	13.0	.38S	.92T	27.7	78.0	.09D	1.00T	23.5	32.8	116.7	5.0	214.4	56.7
11.2			252.7	16.7	.69D	.72T	27.7	78.0	.20S	.98T	37.5	32.0	300.2	11.5	193.0	55.5
-9.6			209.1	21.6	.02D	1.00T	27.6	68.4	.01S	1.00T	28.0	23.4	297.8	.5	206.6	66.6
.1			210.3	11.9	.04D	1.00T	27.7	78.1	.01S	1.00T	28.1	33.1	297.8	.5	207.0	56.9
			CONE A		13 EXA	.42	CONE C		8 EXC	.24			CONE B		11 EXB	.56

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
79.7	22-3-3	320.7	50.9	.91S	.41T	214.8	71.3	.75D	.67T	182.0	12.7	285.0	45.0	80.3	42.2
		317.4	56.2	.93S	.38T	214.7	71.7	.81D	.59T	179.2	9.9	281.3	50.3	81.4	38.0
ROTATION ABOUT A,C,B AXIS															
-1.0		317.4	56.2	.92S	.39T	214.1	70.9	.81D	.59T	178.7	9.3	279.9	49.8	81.1	38.7
13.4		317.4	56.2	.99S	.15T	222.5	82.7	.83D	.56T	184.7	17.7	302.0	55.2	84.6	28.9
-102.4		88.9	29.4	.77S	.64N	214.7	71.7	.40D	.92N	3.6	56.9	132.4	22.2	232.5	23.2
8.0		321.4	48.8	.91S	.42T	214.7	71.7	.72D	.69T	183.0	14.1	286.6	43.2	79.2	43.4
-16.0		334.0	63.4	.86S	.51T	229.2	63.0	.86D	.50T	11.6	.3	281.3	50.3	101.8	39.7
1.2		316.1	55.7	.93S	.36T	213.7	72.4	.81D	.59T	178.2	10.6	281.3	50.3	79.9	37.7
		CONE A	44	EXA	.84	CONE C	16	EXC	.16			CONE B	40	EXB	.87

317
AUGUST 12, 1953 H = 09.23.55 38.5N 21E DEPTH NORMAL M = 7.2
HODGSON, J.H. AND COCK, J.I. 1956 PUB. DOM. OBS., 18, 149.
DI FILIPPO, D. AND MARCELLI, L. 1954 ANNALI DI GEOFIZ., 7, 547.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		75-17	332	71			239	78					298	68		
	77.3	75-19-15	240.3	78.8	1.00S	.01N	330.4	89.2	.98D	.19N	105.9	8.4	244.5	78.8	14.8	7.3
			252.2	69.0	1.00S	.01N	342.5	89.3	.93D	.36N	119.3	15.2	254.3	69.0	25.4	14.2
ROTATION ABOUT A,C,B AXIS																
-10.2			252.2	69.0	.98S	.19N	346.2	79.8	.93D	.36N	120.8	22.3	280.6	66.4	27.8	7.4
3.8			252.2	69.0	1.00S	.05T	161.1	87.2	.93D	.36T	118.6	12.6	243.8	68.8	24.7	16.8
-4.0			252.2	65.0	1.00S	.01N	342.5	89.3	.91D	.42N	120.2	17.9	254.0	65.0	24.5	16.9
4.8			252.3	73.8	1.00S	.01N	342.5	89.3	.96D	.28N	118.5	11.9	254.9	73.8	26.2	10.9
-5.6			258.2	69.0	1.00S	.02T	167.7	88.7	.93D	.36T	124.9	13.7	254.3	69.0	31.0	15.6
4.8			247.1	69.1	1.00S	.05N	338.0	87.6	.93D	.36N	114.5	16.4	254.3	69.0	20.6	12.8
			CONE A	10	EXA	.15	CONE C	12	EXC	.26			CONE B	11	EXB	.37

COMBINATION OF THE DATA OF HODGSON WITH THOSE PUBLISHED BY DI FILIPPO AND MARCELLI. IN THE CASE OF DISAGREEMENT THE LATTER HAVE BEEN TAKEN TO BE CORRECT

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
83.9	79-11-11	231.4	75.1	1.00S	.03T	141.0	88.4	.97D	.26T	97.2	9.3	225.0	75.0	5.2	11.6
		246.1	44.8	.82S	.57T	129.8	66.2	.63D	.78T	102.6	12.5	201.6	35.3	356.2	51.9
ROTATION ABOUT A,C,B AXIS															
-13.4		246.1	44.8	.67S	.75T	117.6	58.2	.55D	.83T	94.4	7.4	188.4	28.0	350.9	60.9
50.2		246.1	44.8	.96S	.26N	347.1	79.3	.69D	.72N	127.9	39.3	267.2	42.8	18.9	21.8
-6.4		241.3	50.2	.85S	.53T	129.8	66.2	.71D	.70T	99.0	9.6	197.4	40.8	358.3	47.6
14.4		260.9	33.8	.69S	.72T	129.8	66.2	.42D	.91T	111.7	17.6	209.2	22.5	347.1	60.8
-2.4		248.8	46.2	.80S	.60T	131.4	64.4	.64D	.77T	104.0	10.6	201.6	35.3	359.8	52.7
.9		245.0	44.3	.83S	.56T	129.1	66.9	.63D	.78T	102.0	13.2	201.6	35.3	354.8	51.6
		CONE A	8	EXA	.84	CONE C	14	EXC	.95			CONE B	36	EXB	.67

318
AUGUST 12, 1953 H = 12.05.52 38.5N 21E DEPTH NORMAL M = 6
HODGSON, J.H. AND COCK, J.I. 1956 PUB. DOM. OBS., 18, 149.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		69-15	219	66			316	72					260	60		
	83.1	69-12-10	359.2	76.9	.97S	.24N	92.5	76.4	.97D	.23N	225.8	19.1	46.9	70.9	315.9	.3
			358.8	77.1	.97S	.24N	91.9	76.5	.97D	.23N	225.2	18.8	46.6	71.2	315.4	.4
ROTATION ABOUT A,C,B AXIS																
	-1.4		358.8	77.1	.96S	.26N	92.2	75.2	.97D	.23N	225.3	19.8	49.4	70.2	315.8	1.3
	10.2		358.8	77.1	1.00S	.06N	89.6	86.5	.97D	.22N	225.0	11.6	14.6	76.6	133.6	6.6
	-1.0		358.5	76.2	.97S	.24N	91.9	76.5	.97D	.25N	225.1	19.5	44.4	70.5	135.0	.2
	9.6		1.1	86.5	.97S	.23N	91.9	76.5	1.00D	.06N	225.5	12.0	76.6	76.1	317.0	7.0
	-0.9		359.7	76.9	.97S	.24N	92.8	76.8	.97D	.23N	226.4	18.8	46.6	71.2	316.4	.1
	2.0		356.8	77.6	.97S	.25N	89.9	76.1	.98D	.22N	223.2	18.8	46.6	71.2	313.6	1.0
			CONE A		6 EXA	.73	CONE C		6 EXC	.75			CONE B		11 EXB	.09

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
82.1	69-12-10	209.8	69.3	.29S	.96T	70.9	26.6	.61D	.79T	222.8	22.5	126.0	16.0	3.5	61.9
		209.8	69.3	.29S	.96T	70.9	26.6	.61D	.79T	222.8	22.5	126.0	16.0	3.5	61.9
ROTATION ABOUT A,C,B AXIS															
-15.0		209.8	69.3	.04S	1.00T	35.8	20.8	.10D	1.00T	211.4	24.3	120.5	2.0	26.1	65.6
43.8		209.8	69.3	.87S	.49T	108.7	63.0	.92D	.40T	248.0	4.1	152.2	54.8	340.9	34.9
0		209.8	69.3	.29S	.96T	70.9	26.6	.61D	.79T	222.8	22.5	126.0	16.0	3.5	61.9
2.4		212.2	68.6	.28S	.96T	70.9	26.6	.58D	.81T	224.5	22.0	128.3	15.1	6.5	62.9
-4.8		211.2	73.9	.29S	.96T	78.4	23.0	.70D	.71T	224.4	27.0	126.0	16.0	8.8	57.9
0		209.8	69.3	.29S	.96T	70.9	26.6	.61D	.79T	222.8	22.5	126.0	16.0	3.5	61.9
		CONE A		3 EXA	.50	CONE C		17 EXC	.92			CONE B		12 EXB	.96

319
AUGUST 12, 1953 H = 13.39.23 38.5N 21E DEPTH NORMAL
HODGSON, J.H. AND COCK, J.I. 1956 PUB. DOM. OBS., 18, 149.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		28-8	270	75			2	84					293	73		
	83.5	28-5-4	347.0	32.2	.97S	.25T	244.7	82.3	.52D	.85T	219.4	30.2	330.0	31.1	95.4	43.8
			346.8	31.2	.97S	.24T	244.6	82.7	.51D	.86T	219.8	31.0	330.3	30.2	94.5	44.0
ROTATION ABOUT A,C,B AXIS																
	-3.8		346.8	31.2	.95S	.31T	241.3	80.8	.50D	.87T	217.4	29.5	326.0	29.5	91.7	45.9
	4.6		346.8	31.2	.99S	.17T	248.6	85.1	.51D	.86T	222.9	33.0	335.6	30.7	97.6	41.7
	-14.4		341.8	45.3	.98S	.18T	244.6	82.7	.71D	.71T	211.5	24.0	327.4	44.4	102.6	35.9
	.4		346.9	30.8	.97S	.25T	244.6	82.7	.50D	.87T	220.2	31.1	330.4	29.8	94.2	44.2
	-1.6		349.7	31.6	.96S	.29T	245.4	81.3	.51D	.86T	220.9	29.7	330.3	30.2	96.1	45.1
	.2		346.4	31.2	.97S	.24T	244.5	82.9	.51D	.86T	219.7	31.2	330.3	30.2	94.2	43.8
			CONE A		5 EXA	.88	CONE C		4 EXC	.79			CONE B		11 EXB	.43

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	78.9	28-6-5	341.9	23.3	.74S	.67T	211.9	74.5	.30D	.95T	197.9	27.4	297.0	17.0	55.0	57.0
			346.4	22.6	.65S	.76T	208.8	72.9	.26D	.97T	197.0	26.4	294.3	14.3	49.8	59.4
ROTATION ABOUT A,C,B AXIS																
	-10.2		346.4	22.6	.50S	.87T	198.4	70.6	.20D	.98T	189.2	24.7	284.4	11.1	36.6	62.6
	15.0		346.4	22.6	.82S	.57T	223.7	77.3	.32D	.95T	208.4	29.8	309.4	18.4	66.6	53.9
	-2.0		342.6	23.9	.69S	.72T	208.8	72.9	.29D	.96T	195.6	26.0	293.7	16.2	52.2	58.7
	3.6		354.3	20.4	.54S	.84T	208.8	72.9	.20D	.98T	199.9	27.0	295.5	10.9	45.4	60.5
	-4.0		352.3	25.8	.57S	.82T	210.0	69.1	.27D	.96T	198.2	22.6	294.3	14.3	54.0	62.8
	4.0		338.7	19.7	.74S	.68T	207.8	76.8	.25D	.97T	195.7	30.3	294.3	14.3	46.4	55.8
			CONE A		7 EXA	.30	CONE C		14 EXC	.68			CONE B		12 EXB	.78

320
AUGUST 12, 1953 H = 14.08.38 38.5N 21E DEPTH NORMAL
HODGSON, J.H. AND COCK, J.I. 1956 PUB. DOM. OBS., 18, 149.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		44-10	338	72			246	80					308	70		
	74.5	44-11-10	254.1	76.9	.95S	.30N	348.1	73.0	.97D	.24N	120.5	21.5	308.3	68.3	211.6	2.7
			252.7	77.4	.96S	.30N	346.6	73.2	.97D	.23N	119.0	21.0	307.5	68.8	210.1	2.9
ROTATION ABOUT A,C,B AXIS																
	-0.8		252.7	77.4	.95S	.31N	346.8	72.4	.97D	.23N	118.9	21.6	308.8	68.1	210.3	3.4
	6.2		252.7	77.4	.98S	.19N	345.2	79.3	.97D	.22N	119.2	16.6	294.4	73.3	28.8	1.3
	-2.8		251.9	74.7	.95S	.30N	346.6	73.2	.96D	.28N	119.0	23.0	301.8	67.0	209.4	1.0
	3.2		253.7	80.4	.96S	.29N	346.6	73.2	.98D	.17N	119.3	18.8	315.2	70.5	211.0	5.0
	-1.4		254.1	77.0	.96S	.29N	348.0	73.5	.97D	.24N	120.4	21.1	307.5	68.8	211.3	2.4
	6.4		246.5	79.3	.95S	.32N	340.0	71.9	.98D	.19N	112.4	20.5	307.5	68.8	204.3	5.1
			CONE A		7 EXA	.23	CONE C		7 EXC	.10			CONE B		6 EXB	.14

321
AUGUST 12, 1953 H = 16.08.32 38.5N 21E DEPTH NORMAL M = 6.3
HODGSON, J.H. AND COCK, J.I. 1956 PUB. DOM. OBS., 18, 149.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		26-7	354	71			264	90					354	71		
	84.3	26-5-3	331.9	36.5	.98S	.18T	233.7	84.0	.59D	.81T	205.2	29.7	319.4	35.8	86.6	40.0
			326.7	38.5	.99S	.13T	230.8	85.3	.62D	.78T	200.5	29.7	317.1	38.1	84.4	37.7
ROTATION ABOUT A,C,B AXIS																
	-3.0		326.7	38.5	.98S	.18T	228.4	83.4	.62D	.79T	198.8	28.1	313.3	37.8	82.8	39.3
	1.8		326.7	38.5	.99S	.10T	232.2	86.4	.62D	.78T	201.5	30.6	319.3	38.3	85.4	36.7
	-8.0		325.3	46.5	.99S	.11T	230.8	85.3	.72D	.69T	196.3	25.4	315.9	46.1	88.4	33.0
	14.4		331.3	24.3	.98S	.20T	230.8	85.3	.41D	.91T	210.1	35.9	318.7	23.8	74.5	44.6
	-7.2		337.9	40.0	.96S	.28T	235.3	79.7	.63D	.78T	206.1	24.5	317.1	38.1	91.9	41.9
	6.4		316.4	38.1	1.00S	.01N	46.8	89.7	.62D	.79N	195.8	33.6	317.1	38.1	79.1	34.1
			CONE A		17 EXA	.39	CONE C		8 EXC	.65			CONE B		10 EXB	.79

322
AUGUST 13, 1953 H = 03.22.06 38.5N 21E DEPTH NORMAL
HODGSON, J.H. AND COCK, J.I. 1956 PUB. DOM. OBS., 18, 149.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		27-7	328	70			238	90					328	70		
	70.6	27-7-6	288.8	45.2	.98S	.18N	26.0	82.8	.70D	.71N	168.1	35.9	303.1	44.3	59.1	24.2
			291.5	46.9	.99S	.15N	27.6	83.6	.73D	.69N	169.3	34.2	304.4	46.2	61.8	23.8
ROTATION ABOUT A,C,B AXIS																
	-1.4		291.5	46.9	.98S	.18N	28.6	82.5	.72D	.69N	169.7	35.1	306.3	45.9	62.3	23.0
	.8		291.5	46.9	.99S	.14N	27.0	84.1	.73D	.69N	168.8	33.8	303.2	46.3	61.3	24.2
	-7.2		289.8	39.8	.98S	.18N	27.6	83.6	.63D	.77N	172.6	38.5	302.8	39.1	58.0	27.7
	16.0		294.2	62.7	.99S	.13N	27.6	83.6	.89D	.46N	164.4	23.7	309.8	61.9	68.0	14.2
	-2.0		294.2	46.6	.99S	.12N	29.0	84.9	.72D	.69N	171.3	33.2	304.4	46.2	63.5	25.0
	4.8		285.1	47.8	.97S	.23N	24.1	80.3	.73D	.68N	164.1	36.4	304.4	46.2	57.8	20.8
			CONE A		13 EXA	.71	CONE C		4 EXC	.68			CONE B		7 EXB	.91

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
70.5	27-8-6	350.3	41.9	.50S	.87T	207.9	54.6	.41D	.91T	191.0	6.7	283.4	19.4	82.8	69.4
		2.0	33.2	.14S	.99T	191.3	57.2	.09D	1.00T	187.7	12.0	278.6	4.2	27.5	77.2
ROTATION ABOUT A,C,B AXIS															
-7.0		2.0	33.2	.01S	1.00T	183.0	56.8	.01D	1.00T	182.6	11.8	272.7	.4	4.6	78.2
15.0		2.0	33.2	.39S	.92T	208.7	59.7	.25D	.97T	198.4	13.6	291.4	12.2	61.9	71.6
-8.0		348.1	35.1	.33S	.94T	191.3	57.2	.23D	.97T	181.9	11.3	274.1	10.9	47.0	74.2
4.0		9.4	32.8	.03S	1.00T	191.3	57.2	.02D	1.00T	190.5	12.2	280.7	.9	14.9	77.8
-16.0		4.9	49.1	.10S	1.00T	193.4	41.3	.11D	.99T	8.9	3.9	278.6	4.2	141.7	84.3
2.8		1.3	30.4	.15S	.99T	191.0	60.0	.09D	1.00T	187.5	14.9	278.6	4.2	24.0	74.5
		CONE A		15 EXA	.36	CONE C		20 EXC	.15			CONE B		16 EXB	.45

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
62.7	27-8-8	256.3	78.4	.36S	.93T	139.0	24.1	.87D	.49T	273.6	30.2	170.8	20.8	51.7	52.0
		256.5	78.2	.37S	.93T	139.3	24.4	.87D	.49T	273.9	29.9	171.1	21.1	51.5	52.0
ROTATION ABOUT A,C,B AXIS															
-43.8		256.5	78.2	.38D	.93T	13.0	25.0	.88S	.48T	238.7	29.8	341.8	21.7	102.1	51.8
75.8		256.5	78.2	.99S	.13N	348.0	82.8	.98D	.21N	122.9	13.5	289.0	76.1	32.1	3.2
-32.0		47.0	89.0	.41S	.91N	139.3	24.4	1.00D	.04N	249.7	41.0	136.5	24.4	24.8	39.2
28.8		285.1	69.4	.23S	.97T	139.3	24.4	.53D	.85T	295.4	23.3	199.9	12.6	83.7	63.2
-4.0		258.0	82.0	.36S	.93T	148.3	22.7	.93D	.36T	276.0	33.6	171.1	21.1	55.1	48.7
2.0		255.7	76.4	.37S	.93T	135.2	25.5	.84D	.55T	273.0	28.2	171.1	21.1	49.6	53.6
		CONE A		19 EXA	.90	CONE C		27 EXC	.95			CONE B		85 EXB	.49

323
* AUGUST 27, 1953 H = 22.16.40 43.2N 142.5E DEPTH 200 KM. M = 6
RITSEMA, A.R. 1964 PURE AND APPLIED GEOPHYS., 59, 58 DATA SUPPLIED BY THE AUTHOR.
BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA			35	86			125	86					80	84		
	95.2	38-2-2	224.7	22.0	.73S	.69N	355.9	75.1	.28D	.96N	154.5	56.9	270.2	15.8	9.0	28.3
			224.9	21.3	.72S	.69N	356.8	75.4	.27D	.96N	156.3	56.8	270.8	15.2	9.4	28.7
ROTATION ABOUT A,C,B AXIS																
	-10.2		224.9	21.3	.59S	.81N	7.1	72.9	.22D	.97N	168.6	60.1	280.9	12.3	17.2	26.8
	3.8		224.9	21.3	.77S	.64N	353.0	76.5	.29D	.96N	152.2	55.5	267.0	16.1	6.4	29.6
	-19.2		163.1	15.0	.23D	.97N	356.8	75.4	.06S	1.00N	181.7	59.5	85.9	3.4	353.9	30.3
	51.2		260.6	67.7	.96S	.27N	356.8	75.4	.92D	.39N	130.1	26.5	297.3	62.9	37.5	5.2
	-0.3		225.5	21.1	.73S	.69N	356.9	75.7	.27D	.96N	156.5	56.5	270.8	15.2	9.5	29.0
	1.0		223.0	22.0	.70S	.72N	356.5	74.5	.27D	.96N	155.4	57.6	270.8	15.2	9.0	27.8
			CONE A		10 EXA	.98	CONE C		4 EXC	.91			CONE B		31 EXB	.80

324
SEPTEMBER 4, 1953 H = 07.23.05 50N 156.5E DEPTH 50 KM. M = 6.7
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 219.
STEVENS, A.E. 1965 DOCTORAL THESIS, U. OF WESTERN ONTARIO

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STEVENS		S - SOLN.	308	42			132	48			130	3	220	2	344	86
HODGSON			-	-			-	-					-	-		
	88.2	85-13-10	311.6	63.5	.47S	.88T	181.8	37.9	.69D	.73T	331.7	14.0	235.0	25.0	88.3	60.8
			328.1	39.0	0S	1.00T	148.4	51.0	0D	1.00T	148.3	6.0	238.3	.2	330.2	84.0
ROTATION ABOUT A,C,B AXIS																
	-43.8		328.1	39.0	.69D	.72T	97.3	62.8	.49S	.87T	118.0	13.1	21.6	25.7	232.5	60.7
	18.2		328.1	39.0	.32S	.95T	171.3	53.3	.25D	.97T	161.1	7.3	252.6	11.5	39.4	76.3
	-32.0		283.4	48.9	.55S	.84T	148.4	51.0	.53D	.85T	126.3	1.1	216.8	24.4	33.8	65.6
	51.2		31.4	60.7	.69D	.72T	148.4	51.0	.78S	.63T	2.0	5.7	96.3	37.1	264.6	52.3
	-22.4		328.2	61.4	0S	1.00T	148.6	28.6	.01D	1.00T	328.4	16.4	238.3	.2	147.6	73.6
	22.4		327.8	16.6	.01S	1.00T	148.3	73.4	0D	1.00T	148.2	28.4	238.3	.2	328.7	61.6
			CONE A		61 EXA	.46	CONE C		53 EXC	.28			CONE B		72 EXB	.25

THE ABOVE SOLN. REPRESENTS UNDEFINED CENTRAL DILATATIONAL CIRCLES.

325
* SEPTEMBER 10, 1953 H = 04.06.00 35N 32E DEPTH NORMAL M = 6.5
SOBOUTI, M. 1964 DOCTORAL THESIS, U. OF PARIS. DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
SOBOUTI	97.0	42-2-1	174.2	85.8	.24S	.97T	68.0	14.7	.96D	.29T	187.1	39.2	85.3	14.1	339.5	47.4
			174.2	85.7	.21S	.98T	64.8	12.8	.94D	.34T	185.3	39.5	85.1	12.1	341.4	47.9
ROTATION ABOUT A,C,B AXIS																
	-43.8		174.2	85.7	.53D	.85T	271.2	32.0	.99S	.14T	147.9	33.2	261.6	31.6	23.6	40.8
	37.4		174.2	85.7	.76S	.65T	80.5	49.6	1.00D	.10T	210.3	23.9	89.3	49.3	315.6	30.7
	-12.8		161.7	88.4	.22S	.98T	64.8	12.8	.99D	.12T	173.8	42.1	72.1	12.7	329.0	45.2
	9.6		183.7	83.7	.19S	.98T	64.8	12.8	.87D	.49T	193.7	37.7	94.9	11.2	351.2	50.1
	-16.0		357.6	78.7	.21S	.98N	129.6	16.7	.73D	.68N	192.7	54.7	85.1	12.1	347.2	32.6
	0		174.2	85.7	.21S	.98T	64.8	12.8	.94D	.34T	185.3	39.5	85.1	12.1	341.4	47.9
			CONE A	19 EXA	.29		CONE C	36 EXC	.80				CONE B	43 EXB	.72	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	97.0	42-2-1	321.1	5.1	.55S	.84T	174.3	85.7	.05D	1.00T	171.7	40.6	264.1	2.8	357.4	49.2
			321.1	5.1	.55S	.84T	174.3	85.7	.05D	1.00T	171.7	40.6	264.1	2.8	357.4	49.2
ROTATION ABOUT A,C,B AXIS																
	-8.6		321.1	5.1	.41S	.91T	165.7	85.3	.04D	1.00T	163.7	40.3	255.5	2.1	348.0	49.7
	13.4		321.1	5.1	.73S	.69T	187.7	86.5	.07D	1.00T	184.2	41.4	277.5	3.7	11.7	48.4
	-32.0		270.5	35.0	.99S	.13T	174.3	85.7	.57D	.82T	145.9	31.7	261.3	34.7	25.7	39.2
	51.2		80.5	48.5	.99D	.10T	174.3	85.7	.75S	.66T	209.8	24.5	89.1	48.2	316.0	31.4
	-0.1		321.7	5.2	.54S	.84T	174.3	85.6	.05D	1.00T	171.7	40.5	264.1	2.8	357.4	49.3
	14.4		189.4	10.5	.27S	.96N	353.6	79.9	.05D	1.00N	170.1	55.0	264.1	2.8	356.1	34.8
			CONE A	35 EXA	.83		CONE C	18 EXC	.34				CONE B	43 EXB	.74	

326
SEPTEMBER 14, 1953 H = 00.26.36 18.5S 178.5E DEPTH NORMAL M = 6.7
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 171.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		59-13	61	88			331	83					351	83		
	74.2	59-18-13	345.1	78.0	1.00S	.02N	75.4	88.9	.98D	.21N	210.9	9.3	350.5	77.9	119.6	7.7
			345.6	77.6	1.00S	.02N	75.9	88.9	.98D	.21N	211.4	9.5	350.8	77.6	120.0	7.9
ROTATION ABOUT A,C,B AXIS																
	-0.2		345.6	77.6	1.00S	.02N	75.9	88.7	.98D	.21N	211.3	9.6	351.7	77.6	120.0	7.8
	.4		345.6	77.6	1.00S	.01N	75.8	89.3	.98D	.21N	211.4	9.2	349.0	77.6	120.1	8.2
	-0.3		345.6	77.3	1.00S	.02N	75.9	88.9	.98D	.22N	211.4	9.7	350.7	77.3	120.0	8.1
	.4		345.7	78.0	1.00S	.02N	75.9	88.9	.98D	.21N	211.3	9.2	351.0	78.0	120.1	7.6
	-1.0		346.7	77.6	1.00S	.02N	76.9	89.1	.98D	.21N	212.3	9.4	350.8	77.6	120.9	8.1
	.7		344.9	77.7	1.00S	.02N	75.2	88.8	.98D	.21N	210.9	9.6	350.8	77.6	119.5	7.8
			CONE A	1 EXA	.59		CONE C	1 EXC	.65				CONE B	1 EXB	.14	

327

SEPTEMBER 23, 1953 H = 02.14.36 50.5N 156E DEPTH 60 KM. M = 7

HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 219.

STAUDER, W., S.J. 1960 BULL. SEIS. SOC. AM., 50, 347.

STEVENS, A.E. 1965 DOCTORAL THESIS, U. OF WESTERN ONTARIO

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STEVENS		S - SOLN.	133	48			317	42			135	3	45	2	281	86
HODGSON			-	-			-	-					-	-		
	84.4	79-12-11	71.0	55.5	.82S	.58T	319.2	61.6	.77D	.64T	286.3	3.7	19.7	42.3	192.3	47.5
			144.9	50.1	0S	1.00T	325.1	39.9	0D	1.00T	145.0	5.1	55.0	.1	323.9	84.9
ROTATION ABOUT A,C,B AXIS																
	-24.6		144.9	50.1	.41D	.91T	289.6	45.7	.44S	.90T	127.9	2.3	218.7	18.5	31.1	71.3
	50.2		144.9	50.1	.77S	.64T	26.9	60.7	.68D	.74T	358.1	6.2	92.6	36.2	259.8	53.1
	-38.4		99.1	59.9	.46S	.89T	325.1	39.9	.62D	.78T	118.5	10.8	23.7	23.6	231.3	63.8
	16.0		165.4	51.9	.22D	.98T	325.1	39.9	.27S	.96T	156.3	6.1	247.4	10.1	35.7	78.2
	-19.2		145.0	69.3	0S	1.00T	325.3	20.7	.01D	1.00T	145.0	24.3	55.0	.1	324.8	65.7
	22.4		144.8	27.7	0S	1.00T	325.1	62.3	0D	1.00T	325.0	17.3	55.0	.1	145.3	72.7
			CONE A	48	EXA	.24	CONE C	56	EXC	.44			CONE B	64	EXB	.27

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	84.1	79-13-11	150.8	40.6	.53S	.85T	10.1	56.4	.41D	.91T	352.9	8.4	86.0	20.1	241.5	68.1
			144.7	50.1	0S	1.00T	324.9	39.9	0D	1.00T	144.8	5.1	54.8	.1	323.7	84.9
ROTATION ABOUT A,C,B AXIS																
	-24.6		144.7	50.1	.41D	.91T	289.3	45.7	.44S	.90T	127.6	2.3	218.4	18.5	30.8	71.3
	50.2		144.7	50.1	.77S	.64T	26.7	60.7	.68D	.74T	357.9	6.2	92.4	36.2	259.6	53.1
	-38.4		98.8	59.9	.46S	.89T	324.9	39.9	.62D	.78T	118.2	10.8	23.4	23.5	231.1	63.8
	16.0		165.2	51.9	.22D	.98T	324.9	39.9	.27S	.96T	156.1	6.1	247.2	10.1	35.5	78.2
	-19.2		144.7	69.3	0S	1.00T	325.0	20.7	0D	1.00T	144.8	24.3	54.8	.1	324.6	65.7
	22.4		144.6	27.7	0S	1.00T	324.8	62.3	0D	1.00T	324.8	17.3	54.8	.1	145.1	72.7
			CONE A	48	EXA	.24	CONE C	56	EXC	.44			CONE B	64	EXB	.27

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		65	-	-			-	-					-	-		
	93.9	65-4-4	51.1	51.9	.76S	.65T	293.5	59.5	.70D	.72T	263.9	4.4	357.2	36.9	168.0	52.7
			160.4	53.7	.10D	1.00T	331.0	36.6	.13S	.99T	156.3	8.6	247.0	4.5	4.4	80.3
ROTATION ABOUT A,C,B AXIS																
	-43.8		160.4	53.7	.76D	.65T	277.3	58.4	.72S	.70T	307.8	2.8	215.7	37.7	41.4	52.2
	56.6		160.4	53.7	.78S	.63T	44.8	59.5	.73D	.69T	13.7	3.4	106.5	38.8	279.5	51.0
	-44.8		107.5	61.6	.41S	.91T	331.0	36.6	.61D	.80T	124.9	13.4	29.6	21.2	244.9	64.6
	28.8		193.5	61.3	.40D	.91T	331.0	36.6	.59S	.81T	176.4	13.2	271.5	20.7	56.1	65.1
	-11.2		159.2	64.9	.09D	1.00T	327.6	25.6	.18S	.98T	155.4	19.7	247.0	4.5	349.3	69.7
	22.4		164.4	31.5	.15D	.99T	334.3	58.9	.09S	1.00T	338.1	13.7	247.0	4.5	139.3	75.5
			CONE A	50	EXA	.54	CONE C	58	EXC	.67			CONE B	86	EXB	.27

COMBINATION OF HODGSON AND STAUDER. IN CASES OF DISAGREEMENT OF DATA THOSE OF STAUDER ARE TAKEN TO BE CORRECT.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
88.8	102-12-10	147.5	44.3	.58S	.81T	12.7	55.4	.50D	.87T	352.0	6.0	84.7	24.1	248.9	65.1
		147.9	51.8	.02D	1.00T	325.7	38.2	.03S	1.00T	146.9	6.8	237.0	1.1	336.1	83.1
ROTATION ABOUT A,C,B AXIS															
-24.6		147.9	51.8	.44D	.90T	289.7	45.0	.49S	.87T	129.8	3.6	221.1	20.1	30.1	69.6
50.2		147.9	51.8	.75S	.66T	29.5	58.8	.69D	.72T	.1	4.1	93.1	36.3	264.6	53.4
-38.4		102.2	60.3	.43S	.91T	325.7	38.2	.60D	.80T	120.1	11.9	25.3	21.7	236.8	65.0
12.8		163.9	53.2	.19D	.98T	325.7	38.2	.25S	.97T	156.0	7.6	247.2	8.9	26.1	78.3
-16.0		147.5	67.8	.02D	1.00T	324.5	22.2	.05S	1.00T	146.5	22.8	237.0	1.1	329.6	67.2
22.4		148.9	29.5	.04D	1.00T	326.4	60.6	.02S	1.00T	327.3	15.6	237.0	1.1	143.1	74.4

CONE A 44 EXA .25 CONE C 54 EXC .49 CONE B 62 EXB .32

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
87.9	102-11-10	76.8	57.1	.78S	.63T	323.2	58.2	.77D	.64T	290.2	.7	20.8	40.8	199.5	49.2
		147.3	51.6	.02D	1.00T	325.1	38.4	.03S	1.00T	146.3	6.6	236.4	1.1	335.8	83.3
ROTATION ABOUT A,C,B AXIS															
-24.6		147.3	51.6	.44D	.90T	289.1	45.2	.48S	.87T	129.3	3.4	220.5	20.1	30.1	69.6
50.2		147.3	51.6	.75S	.66T	28.8	58.9	.69D	.72T	359.5	4.2	92.6	36.2	263.8	53.5
-38.4		101.5	60.1	.43S	.90T	325.1	38.4	.60D	.80T	119.5	11.6	24.8	21.8	235.7	65.0
12.8		163.4	53.1	.19D	.98T	325.1	38.4	.25S	.97T	155.4	7.4	246.6	9.0	26.4	78.3
-19.2		146.8	70.8	.02D	1.00T	323.3	19.2	.06S	1.00T	145.9	25.8	236.4	1.1	328.7	64.2
22.4		148.3	29.2	.04D	1.00T	325.8	60.8	.02S	1.00T	326.7	15.8	236.4	1.1	142.5	74.2

CONE A 46 EXA .19 CONE C 56 EXC .44 CONE B 62 EXB .32

THE ABOVE SOLN. REPRESENTS UNDEFINED CENTRAL DILATATIONAL CIRCLES.

328
SEPTEMBER 29, 1953 H = 01.36.45 36.5S 177E DEPTH 300 KM. M = 7.2
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 171.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		69-20	234	89			144	87					161	87		
	77.2	69-17-14	238.1	52.5	1.00S	.01T	147.9	89.7	.79D	.61T	109.6	25.3	237.5	52.5	6.4	25.7
			238.1	52.5	1.00S	.01T	147.9	89.7	.79D	.61T	109.6	25.3	237.5	52.5	6.4	25.7
ROTATION ABOUT A,C,B AXIS																
	0		238.1	52.5	1.00S	.01T	147.9	89.7	.79D	.61T	109.6	25.3	237.5	52.5	6.4	25.7
	.2		238.1	52.5	1.00S	0T	148.0	89.9	.79D	.61T	109.5	25.4	237.8	52.5	6.4	25.6
	-19.2		238.0	71.7	1.00S	.01T	147.9	89.7	.95D	.31T	104.4	12.6	237.0	71.7	11.5	13.0
	57.6		54.5	5.1	1.00D	.06T	147.9	89.7	.09S	1.00T	152.9	44.5	57.9	5.1	322.8	45.1
	-0.1		238.2	52.5	1.00S	.01T	148.0	89.6	.79D	.61T	109.7	25.2	237.5	52.5	6.6	25.8
	.4		237.6	52.5	1.00S	0T	147.6	89.9	.79D	.61T	109.2	25.4	237.5	52.5	6.1	25.6

CONE A 6 EXA .99 CONE C 0 EXC .60 CONE B 4 EXB 1.00

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	75.8	69-17-15	289.6	66.4	1.00S	.08T	197.7	85.6	.92D	.40T	156.0	13.3	277.8	65.9	61.2	19.7
			278.9	42.9	.47S	.88T	135.0	53.1	.40D	.92T	118.5	5.4	210.3	18.7	13.1	70.5
ROTATION ABOUT A,C,B AXIS																
	-31.0		278.9	42.9	.05D	1.00T	95.0	47.2	.05S	1.00T	96.9	2.2	6.8	1.9	235.4	87.1
	56.6		278.9	42.9	1.00S	.09T	185.0	86.4	.68D	.73T	152.0	28.3	271.7	42.6	40.5	34.3
	-44.8		238.4	72.9	.78S	.63T	135.0	53.1	.93D	.37T	272.7	12.5	168.4	48.1	13.1	39.2
	22.4		312.9	36.9	.03S	1.00T	135.0	53.1	.02D	1.00T	134.2	8.1	224.3	1.0	321.3	81.8
	-25.6		291.8	66.3	.35S	.94T	154.7	30.9	.62D	.78T	306.9	18.8	210.3	18.7	78.8	63.0
	28.8		240.3	21.4	.88S	.47T	123.7	80.1	.33D	.95T	107.9	32.5	210.3	18.7	325.3	51.3
			CONE A		60 EXA	.19			CONE C		69 EXC	.38			CONE B	
															77 EXB	.23

329
OCTOBER 5, 1953 H = 04.31.40 53.5N 160.5E DEPTH NORMAL M = 6.7
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 219.
STAUDER, W., S.J. 1960 BULL. SEIS. SOC. AM., 50, 347.
STEVENS, A.E. 1965 DOCTORAL THESIS, U. OF WESTERN ONTARIO

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STEVENS		S - SOLN.	155	52			311	41			144	6	235	12	28	77
HODGSON		85-12	21	74			286	72					330	65		
	90.2	84-11-7	266.5	79.0	1.00S	.04N	356.9	88.0	.98D	.19N	132.3	9.2	277.1	78.8	41.2	6.3
			323.8	37.5	.07S	1.00T	149.1	52.6	.06D	1.00T	146.8	7.6	237.1	2.5	345.3	82.0
ROTATION ABOUT A,C,B AXIS																
	-21.4		323.8	37.5	.43S	.90T	174.9	56.7	.31D	.95T	161.9	9.9	254.6	15.3	40.0	71.6
	37.4		323.8	37.5	.55D	.84T	104.2	59.4	.39S	.92T	120.5	11.6	26.3	19.5	239.5	67.1
	-51.2		30.4	57.9	.70D	.72T	149.1	52.6	.74S	.67T	.7	3.1	93.0	36.2	266.6	53.6
	32.0		279.8	49.5	.60S	.80T	149.1	52.6	.58D	.82T	124.9	1.7	215.8	27.3	31.6	62.6
	-25.6		325.8	63.1	.05S	1.00T	152.1	27.1	.10D	1.00T	327.9	18.0	237.1	2.5	139.5	71.8
	25.6		315.1	12.1	.21S	.98T	147.6	78.2	.05D	1.00T	145.5	33.2	237.1	2.5	330.9	56.7
			CONE A		65 EXA	.38			CONE C		55 EXC	.13			CONE B	
															70 EXB	.29

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		71	-	-			-	-					-	-		
	93.3	71-6-5	209.1	38.1	.48S	.87T	64.2	57.3	.36D	.93T	49.4	10.0	142.6	17.4	290.7	69.7
			165.3	53.6	.09D	1.00T	336.3	36.7	.13S	.99T	161.5	8.5	252.1	4.3	8.8	80.5
ROTATION ABOUT A,C,B AXIS																
	-43.8		165.3	53.6	.76D	.65T	282.5	58.2	.72S	.70T	313.0	2.7	220.9	37.5	46.5	52.4
	50.2		165.3	53.6	.71S	.71T	44.5	55.2	.69D	.72T	15.2	.9	105.8	34.6	283.8	55.4
	-44.8		112.5	61.7	.41S	.91T	336.3	36.7	.61D	.79T	130.1	13.4	34.7	21.4	249.8	64.4
	28.8		198.5	61.1	.40D	.92T	336.3	36.7	.59S	.81T	181.6	13.0	276.6	20.6	61.4	65.3
	-16.0		163.7	69.6	.08D	1.00T	330.7	20.9	.21S	.98T	160.1	24.5	252.1	4.3	351.4	65.1
	22.4		169.2	31.4	.14D	.99T	339.5	59.0	.09S	1.00T	343.2	13.9	252.1	4.3	145.2	75.5
			CONE A		53 EXA	.48			CONE C		60 EXC	.59			CONE B	
															83 EXB	.22

COMBINATION OF HODGSON AND STAUDER. IN CASES OF DISAGREEMENT OF DATA THOSE OF STAUDER ARE TAKEN TO BE CORRECT.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
90.1	109-13-10	276.7	54.7	.85S	.52T	167.3	64.9	.77D	.64T	134.1	6.2	230.2	44.2	37.8	45.1
		325.9	37.7	.07S	1.00T	150.7	52.4	.05D	1.00T	148.7	7.4	239.0	2.3	346.3	82.3
ROTATION ABOUT A,C,B AXIS															
-37.4		325.9	37.7	.55D	.83T	105.9	59.4	.39S	.92T	122.4	11.5	28.2	19.8	240.8	66.8
21.4		325.9	37.7	.43S	.90T	176.7	56.4	.31D	.95T	163.8	9.7	256.4	15.1	42.2	71.9
-32.0		281.9	49.5	.60S	.80T	150.7	52.4	.57D	.82T	126.9	1.6	217.7	27.0	33.8	62.9
51.2		32.2	58.2	.70D	.72T	150.7	52.4	.75S	.67T	2.6	3.4	95.1	36.3	268.1	53.5
-19.2		327.4	56.8	.05S	1.00T	152.5	33.3	.07D	1.00T	329.5	11.8	239.0	2.3	138.1	78.0
19.2		322.0	18.5	.13S	.99T	149.7	71.6	.04D	1.00T	147.8	26.6	239.0	2.3	333.6	63.3
		CONE A	57 EXA	.54		CONE C	48 EXC	.35				CONE B	70 EXB	.29	

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
90.1	109-13-10	149.4	59.1	.40S	.91T	10.1	38.3	.56D	.83T	166.3	11.1	72.2	20.3	283.3	66.6
		150.8	52.3	.05D	1.00T	326.2	37.8	.06S	1.00T	148.8	7.3	239.1	2.2	345.9	82.4
ROTATION ABOUT A,C,B AXIS															
-37.4		150.8	52.3	.65D	.76T	276.7	52.8	.64S	.77T	303.7	.3	213.5	30.7	34.1	59.3
50.2		150.8	52.3	.74S	.68T	31.5	57.6	.69D	.72T	2.2	3.1	94.4	35.7	267.9	54.1
-38.4		104.9	59.8	.40S	.91T	326.2	37.8	.57D	.82T	121.8	11.7	27.4	20.5	239.8	66.1
19.2		174.2	55.6	.29D	.96T	326.2	37.8	.39S	.92T	162.3	9.2	254.6	13.7	39.5	73.4
-19.2		149.8	71.5	.04D	1.00T	322.5	18.6	.12S	.99T	148.0	26.5	239.1	2.2	333.5	63.4
19.2		152.4	33.2	.07D	1.00T	327.6	56.9	.05S	1.00T	329.6	11.9	239.1	2.2	138.7	77.9
		CONE A	47 EXA	.33		CONE C	58 EXC	.56				CONE B	71 EXB	.34	

THE ABOVE SOLN. REPRESENTS UNDEFINED CENTRAL DILATATIONAL CIRCLES.

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* OCTOBER 14, 1953 H = 14.47.23 42.8N 144.6E DEPTH 125 KM. M = 7

RITSEMA, A.R. 1964 PURE AND APPLIED GEOPHYS., 59, 58 DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA			16	80			279	54					299	52		
	93.8	38-2-2	293.3	58.6	.98S	.18N	28.9	81.0	.85D	.53N	165.7	28.7	313.0	57.0	67.3	15.0
			274.1	47.7	.99S	.11N	8.1	85.5	.74D	.68N	150.1	32.1	283.0	47.3	43.2	24.9
ROTATION ABOUT A,C,B AXIS																
-13.4			274.1	47.7	.94S	.33N	17.4	75.8	.72D	.69N	155.4	40.5	301.7	44.2	49.7	17.6
18.2			274.1	47.7	.98S	.21T	175.8	81.0	.73D	.68T	142.1	21.4	256.3	46.3	35.6	35.9
-0.3			274.0	47.4	.99S	.11N	8.1	85.5	.73D	.68N	150.2	32.3	282.9	47.0	43.0	25.1
14.4			275.8	62.0	1.00S	.09N	8.1	85.5	.88D	.47N	145.5	22.8	286.4	61.6	48.5	16.0
-0.3			274.5	47.6	.99S	.10N	8.4	85.7	.74D	.68N	150.4	32.0	283.0	47.3	43.4	25.1
14.4			255.4	50.7	.95S	.31N	357.3	75.9	.76D	.65N	134.2	38.3	283.0	47.3	31.1	16.0
			CONE A	15 EXA	0		CONE C	22 EXC	.53				CONE B	22 EXB	.53	

331
NOVEMBER 10, 1953 H = 23.40.20 50.5N 157E DEPTH 50 KM. M = 7
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 219.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON			-	-			-	-					-	-		
	86.4	76-12-8	198.4	43.9	.63S	.78T	66.5	57.2	.52D	.86T	44.9	7.3	138.4	25.7	300.3	63.1
			180.0	50.8	.03D	1.00T	357.6	39.2	.03S	1.00T	178.9	5.8	269.0	1.2	10.6	84.1
ROTATION ABOUT A,C,B AXIS																
	-43.8		180.0	50.8	.71D	.70T	302.0	57.0	.66S	.75T	329.7	3.5	237.4	33.4	65.1	56.4
	50.2		180.0	50.8	.75S	.66T	60.9	59.2	.68D	.74T	32.2	4.9	125.7	35.6	295.5	54.0
	-8.0		169.7	51.1	.09S	1.00T	357.6	39.2	.11D	.99T	173.2	6.0	82.8	3.9	319.8	82.9
	14.4		198.2	52.6	.22D	.97T	357.6	39.2	.28S	.96T	189.1	6.8	280.3	10.2	65.9	77.7
	-9.6		179.7	60.4	.02D	1.00T	357.0	29.6	.04S	1.00T	178.7	15.4	269.0	1.2	3.3	74.6
	12.8		180.5	38.0	.03D	1.00T	358.1	52.0	.03S	1.00T	359.1	7.0	269.0	1.2	169.3	82.9
			CONE A		22 EXA	.00	CONE C		46 EXC	.76			CONE B		46 EXB	.76

332
NOVEMBER 13, 1953 H = 16.17.05 3.5N 96.0E DEPTH NORMAL
RITSEMA, A.R. 1956 LEM. MET. GEOFIS. VER. NO. 50.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		43	108	89			198	88								
	83.4	43-8-7	9.1	83.0	.93S	.36N	101.8	68.8	.99D	.13N	233.5	20.0	81.7	67.6	327.1	9.7
			8.1	83.0	.91S	.41N	101.2	65.9	.99D	.13N	232.2	22.0	83.0	64.8	326.9	11.7
ROTATION ABOUT A,C,B AXIS																
	-8.6		8.1	83.0	.84S	.54N	102.6	57.4	.99D	.14N	230.3	27.8	87.4	56.5	329.6	17.1
	18.2		8.1	83.0	.99S	.11N	98.8	84.0	.99D	.12N	233.6	9.3	49.2	80.7	143.5	.7
	-0.4		7.9	82.6	.91S	.41N	101.2	65.9	.99D	.14N	232.2	22.3	82.1	64.7	326.9	11.4
	.1		8.1	83.1	.91S	.41N	101.2	65.9	.99D	.13N	232.1	22.0	83.2	64.8	326.9	11.8
	-0.9		8.9	82.6	.91S	.41N	102.2	66.0	.99D	.14N	233.2	22.2	83.0	64.8	327.8	11.3
	.3		7.8	83.1	.91S	.41N	100.9	65.9	.99D	.13N	231.9	22.0	83.0	64.8	326.7	11.8
			CONE A		1 EXA	.58	CONE C		6 EXC	.96			CONE B		4 EXB	.98

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	82.2	43-7-7	18.1	87.5	1.00S	.03N	108.2	88.0	1.00D	.04N	243.1	3.2	56.8	86.8	153.1	.4
			17.8	87.4	1.00S	.04N	107.9	87.9	1.00D	.05N	242.7	3.4	56.6	86.6	152.7	.4
ROTATION ABOUT A,C,B AXIS																
	0		17.8	87.4	1.00S	.04N	107.9	87.9	1.00D	.05N	242.7	3.4	56.6	86.6	152.7	.4
	1.0		17.8	87.4	1.00S	.02N	107.9	88.9	1.00D	.05N	242.8	2.6	40.7	87.2	152.7	1.1
	-3.6		17.7	83.8	1.00S	.04N	107.9	87.9	.99D	.11N	242.9	5.9	36.5	83.4	152.6	2.9
	12.8		198.3	79.8	1.00S	.04T	107.9	87.9	.98D	.18T	63.5	5.7	186.4	79.6	332.7	8.7
	-1.2		19.0	87.3	1.00S	.04N	109.1	88.0	1.00D	.05N	245.1	3.4	56.6	86.6	155.1	.5
	2.0		15.8	87.5	1.00S	.04N	105.9	87.8	1.00D	.04N	240.3	3.4	56.6	86.6	150.2	.2
			CONE A		7 EXA	.80	CONE C		2 EXC	.69			CONE B		4 EXB	.94

333
* DECEMBER 1, 1953 H = 05.08.50 29.1N 128.4E DEPTH 225 KM. M = 7
RITSEMA, A.R. 1964 PURE AND APPLIED GEOPHYS., 59, 58 DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA			260	45			155	76					232	41		
	100.0	79-0	263.0	54.8	.98S	.20T	166.1	80.4	.81D	.58T	129.3	16.8	243.1	53.1	28.5	31.7
			263.0	54.8	.98S	.20T	166.1	80.4	.81D	.58T	129.3	16.8	243.1	53.1	28.5	31.7
ROTATION ABOUT A,C,B AXIS																
	-31.0		263.0	54.8	.73S	.68T	144.9	56.3	.72D	.69T	114.2	.9	204.9	36.8	23.1	53.2
	13.4		263.0	54.8	1.00S	.03N	353.9	88.7	.82D	.58N	134.4	25.1	265.8	54.7	32.8	23.1
	-22.4		258.4	76.8	.99S	.17T	166.1	80.4	.97D	.23T	122.6	2.5	221.1	73.6	31.9	16.2
	4.8		264.3	50.1	.98S	.22T	166.1	80.4	.76D	.65T	131.4	19.6	245.1	48.5	27.0	34.8
	-1.2		264.4	55.0	.98S	.22T	167.1	79.7	.81D	.58T	130.3	16.2	243.1	53.1	29.8	32.1
	19.2		239.3	53.2	1.00S	.04N	330.6	88.2	.80D	.60N	111.5	26.5	243.1	53.1	8.9	23.7
			CONE A	24 EXA	.25		CONE C	30 EXC	.54				CONE B	35 EXB	.39	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	100.0	79-0	95.9	74.4	.88S	.48T	357.5	62.3	.95D	.30T	134.6	8.0	31.9	57.5	229.5	31.3
			95.9	74.4	.88S	.48T	357.5	62.3	.95D	.30T	134.6	8.0	31.9	57.5	229.5	31.3
ROTATION ABOUT A,C,B AXIS																
	-21.4		95.9	74.4	.64S	.77T	348.0	42.2	.92D	.40T	124.6	19.5	18.5	38.0	235.7	45.6
	1.0		95.9	74.4	.88S	.47T	357.8	63.2	.95D	.30T	135.1	7.4	32.9	58.4	229.4	30.5
	-0.4		95.7	74.7	.88S	.48T	357.5	62.3	.95D	.30T	134.4	8.2	31.3	57.7	229.4	31.0
	12.8		102.8	63.3	.85S	.52T	357.5	62.3	.86D	.51T	139.9	.6	49.2	49.7	230.5	40.3
	-1.6		97.3	75.2	.87S	.49T	359.2	61.8	.96D	.29T	136.0	8.8	31.9	57.5	231.4	31.0
	6.4		90.0	71.4	.89S	.46T	350.7	64.4	.94D	.35T	129.1	4.6	31.9	57.5	222.0	32.1
			CONE A	10 EXA	.39		CONE C	13 EXC	.64				CONE B	17 EXB	.41	

THE ABOVE EARTHQUAKE HAD NO DILATATIONAL OBSERVATIONS WHATEVER.

334
DECEMBER 2, 1953 H = 04.24.51 2.7S 141.5E DEPTH NORMAL M = 6.7
RITSEMA, A.R. 1956 LEM. MET. GEOFIS. VER. NO. 50.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		43	220	88			310	89								
	76.3	43-10-8	93.3	75.8	.96S	.29T	359.0	73.5	.97D	.26T	135.9	1.6	42.0	68.0	226.5	21.9
			93.3	75.8	.96S	.29T	358.9	73.4	.97D	.26T	135.8	1.6	41.8	67.8	226.5	22.1
ROTATION ABOUT A,C,B AXIS																
	-11.8		93.3	75.8	.88S	.48T	355.5	62.0	.96D	.28T	132.2	9.1	27.3	58.0	227.6	30.4
	2.6		93.3	75.8	.97S	.25T	359.6	75.9	.97D	.25T	316.5	.1	46.7	69.7	226.5	20.3
	-0.5		93.1	76.2	.96S	.29T	358.9	73.4	.97D	.25T	135.6	1.9	40.8	68.2	226.3	21.7
	.3		93.4	75.5	.96S	.30T	358.9	73.4	.97D	.26T	135.9	1.4	42.4	67.6	226.5	22.3
	-0.4		93.7	75.9	.96S	.30T	359.3	73.3	.97D	.25T	136.2	1.8	41.8	67.8	226.9	22.1
	1.8		91.5	75.2	.96S	.29T	357.1	73.9	.96D	.27T	134.0	.9	41.8	67.8	224.3	22.2
			CONE A	1 EXA	.64		CONE C	6 EXC	.85				CONE B	3 EXB	.94	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	75.6	43-9-8	128.1	89.7	1.00S	.00T	38.1	89.9	1.00D	.00T	353.1	.1	109.7	89.7	263.1	.3
			128.2	89.9	1.00S	.00T	38.2	90.0	1.00D	.00T	353.2	.1	109.9	89.9	263.2	.1
ROTATION ABOUT A,C,B AXIS																
	-1.4		128.2	89.9	1.00S	.03T	38.2	88.6	1.00D	.00T	173.2	.9	43.6	88.5	263.2	1.1
	2.6		128.2	89.9	1.00S	.04N	218.2	87.4	1.00D	.00N	353.2	1.9	215.1	87.4	83.2	1.7
	-4.8		308.2	85.3	1.00S	.00N	38.2	90.0	1.00D	.08N	173.3	3.3	308.8	85.3	83.1	3.3
	.8		128.2	89.1	1.00S	.00T	38.2	90.0	1.00D	.02T	353.2	.6	125.4	89.1	263.2	.7
	-2.4		130.6	89.9	1.00S	.00T	40.6	89.9	1.00D	.00T	355.6	.1	109.9	89.9	265.6	.1
	3.6		124.6	89.9	1.00S	.00T	34.6	90.0	1.00D	.00T	349.6	.1	109.9	89.9	259.6	.1
			CONE A		6 EXA	.07	CONE C		5 EXC	.33			CONE B		5 EXB	.29

335
DECEMBER 7, 1953 H = 02.05.37 22S 68.5W DEPTH 100 KM. M = 7
INGRAM, R.E, S.J. 1957 BULL. SEIS. SOC. AM., 47, 281.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
INGRAM		87-9	122	79			24	55					46	54		
	91.6	86-7-6	330.8	50.0	.91S	.41N	76.8	71.8	.74D	.68N	211.9	42.5	5.6	44.4	109.2	13.5
			281.0	36.5	.30D	.95N	122.7	55.5	.22S	.98N	341.6	75.7	205.4	10.4	113.6	9.7
ROTATION ABOUT A,C,B AXIS																
	-43.8		281.0	36.5	.88D	.48N	167.5	73.5	.55S	.84N	24.6	50.3	247.0	31.5	143.0	21.6
	63.0		281.0	36.5	.71S	.70N	49.6	65.2	.47D	.89N	188.6	59.8	332.0	25.0	69.6	15.8
	-51.2		228.2	68.8	.79D	.61N	122.7	55.5	.90S	.44N	.2	41.1	163.6	47.7	262.9	8.3
	64.0		8.3	59.0	.75S	.66N	122.7	55.5	.78D	.63N	243.8	49.9	68.0	40.0	336.3	2.1
	-25.6		248.5	14.1	.74D	.67N	117.2	80.6	.18S	.98N	309.6	53.3	205.4	10.4	108.1	34.8
	22.4		288.9	58.2	.21D	.98N	131.4	33.9	.33S	.95N	76.5	73.7	205.4	10.4	297.7	12.4
			CONE A		74 EXA	.58	CONE C		72 EXC	.55			CONE B		111 EXB	.07

WITH ADDITIONAL DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE
OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	91.0	94-8-7	330.7	49.8	.91S	.41N	76.9	71.8	.73D	.68N	212.0	42.6	5.5	44.2	109.1	13.6
			281.3	35.8	.29D	.96N	121.9	55.9	.21S	.98N	338.5	75.7	205.2	9.9	113.4	10.2
ROTATION ABOUT A,C,B AXIS																
	-43.8		281.3	35.8	.87D	.49N	166.9	73.4	.53S	.85N	23.5	50.8	246.7	30.7	143.0	21.8
	63.0		281.3	35.8	.72S	.69N	49.3	66.0	.46D	.89N	189.6	59.4	331.3	24.9	69.3	16.6
	-51.2		227.8	68.0	.80D	.60N	121.9	55.9	.89S	.45N	359.2	41.3	164.1	47.7	262.5	7.5
	64.0		8.4	59.4	.76S	.65N	121.9	55.9	.79D	.61N	243.4	49.1	67.6	40.8	335.8	2.1
	-25.6		248.1	13.3	.74D	.67N	116.7	81.1	.17S	.98N	308.5	52.9	205.2	9.9	108.1	35.4
	25.6		289.6	60.7	.20D	.98N	131.9	31.2	.33S	.94N	82.9	71.9	205.2	9.9	297.9	15.0
			CONE A		77 EXA	.56	CONE C		74 EXC	.52			CONE B		111 EXB	.07

336
DECEMBER 20, 1953 H = 00.21.19 39.7N 136.4E DEPTH 360 KM.
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA			302	62			193	56					242	43		
	85.6	63-8-8	302.7	62.8	.78S	.62T	192.7	56.4	.84D	.55T	336.4	3.9	242.6	44.1	70.4	45.6
			301.4	63.8	.53S	.85T	175.9	40.2	.73D	.68T	323.9	13.2	226.7	28.2	76.2	58.4
ROTATION ABOUT A,C,B AXIS																
	-31.0		301.4	63.8	.01S	1.00T	123.1	26.2	.03D	1.00T	301.9	18.8	211.7	.6	119.9	71.2
	27.8		301.4	63.8	.86S	.51T	196.9	62.9	.87D	.50T	339.0	.6	248.3	50.7	69.5	39.3
	-0.9		300.6	64.3	.53S	.85T	175.9	40.2	.74D	.67T	323.3	13.5	225.8	28.6	75.7	57.8
	3.2		304.5	62.2	.50S	.86T	175.9	40.2	.69D	.72T	326.0	12.1	229.8	26.5	78.2	60.4
	-0.6		301.8	64.4	.52S	.85T	176.6	39.8	.74D	.68T	324.2	13.8	226.7	28.2	77.4	58.1
	1.0		300.8	63.0	.53S	.85T	174.8	40.9	.72D	.69T	323.4	12.3	226.7	28.2	74.5	58.8

CONE A 3 EXA .61 CONE C 10 EXC .97 CONE B 16 EXB .93

337
JANUARY 1, 1954 H = 13.04.19 9S 123.5E DEPTH 100 KM. M = 6.5
RITSEMA, A.R. 1956 LEM. MET. GEOFIS. VER. NO. 50.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		27	147	89			56	64								
	94.6	27-2-1	142.8	88.0	.89S	.46T	51.8	62.8	1.00D	.04T	184.0	17.4	56.7	62.7	280.7	20.4
			134.8	67.5	.06D	1.00T	306.6	22.7	.13S	.99T	132.4	22.4	223.6	2.9	320.6	67.4
ROTATION ABOUT A,C,B AXIS																
	-63.0		134.8	67.5	.91D	.40T	234.4	68.1	.91S	.41T	274.5	.4	183.9	57.7	4.8	32.3
	75.8		134.8	67.5	.95S	.30T	38.0	74.0	.92D	.40T	357.4	4.3	95.6	61.8	265.1	27.8
	-64.0		68.1	77.7	.33S	.94T	306.6	22.7	.83D	.55T	83.7	30.1	342.3	18.8	225.0	53.4
	51.2		187.4	78.4	.34D	.94T	306.6	22.7	.86S	.52T	171.3	30.7	273.3	19.3	30.5	52.6
	-19.2		133.7	86.7	.05D	1.00T	272.5	4.4	.66S	.75T	131.0	41.6	223.6	2.9	316.9	48.2
	14.4		135.8	53.1	.06D	1.00T	309.7	37.1	.08S	1.00T	133.2	8.0	223.6	2.9	333.3	81.5

CONE A 62 EXA .71 CONE C 68 EXC .76 CONE B 126 EXB .17

338
JANUARY 13, 1954 H = 00.13.06 49S 165E DEPTH NORMAL M = 7.2
HODGSON, J.H. 1956 PUB. DOM. OBS., 18, 219.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		35-2	225	81			133	86					201	80		
	82.8	35-5-5	238.6	78.0	1.00S	.04T	148.2	88.0	.98D	.21T	104.0	7.0	228.9	77.8	12.8	9.9
			241.4	75.8	1.00S	.04T	150.9	88.0	.97D	.25T	107.0	8.6	233.0	75.6	15.2	11.5
ROTATION ABOUT A,C,B AXIS																
	-1.8		241.4	75.8	1.00S	.07T	150.5	86.2	.97D	.25T	106.8	7.3	225.9	75.2	15.2	12.8
	.6		241.4	75.8	1.00S	.03T	151.1	88.5	.97D	.25T	107.4	8.9	235.4	75.7	15.6	11.1
	-6.4		241.2	82.2	1.00S	.04T	150.9	88.0	.99D	.14T	106.2	4.1	226.5	81.9	15.7	7.0
	1.0		241.5	74.8	1.00S	.04T	150.9	88.0	.96D	.26T	107.1	9.3	233.5	74.6	15.1	12.2
	-5.6		247.2	76.0	1.00S	.06T	156.4	86.6	.97D	.24T	112.6	7.4	233.0	75.6	21.0	12.3
	1.4		240.0	75.7	1.00S	.03T	149.6	88.3	.97D	.25T	105.7	8.8	233.0	75.6	14.0	11.3

CONE A 7 EXA .05 CONE C 4 EXC .66 CONE B 4 EXB .68

339
JANUARY 17, 1954 H = 11.46.10 36.1N 140.1E DEPTH 70 KM.
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA		26	277	25			97	65					187	0		
	91.4	26-2-2	253.7	9.5	.49S	.87T	103.1	81.7	.08D	1.00T	99.0	36.5	192.4	4.6	288.5	53.1
			222.5	24.2	.76S	.65T	94.2	74.4	.32D	.95T	79.4	27.1	179.0	18.0	298.6	56.6
ROTATION ABOUT A,C,B AXIS																
	-8.6		222.5	24.2	.65S	.76T	85.6	71.8	.28D	.96T	73.0	25.1	170.4	15.4	288.9	60.0
	8.6		222.5	24.2	.85S	.53T	102.5	77.4	.35D	.93T	85.8	29.4	187.8	20.3	307.3	53.1
	-19.2		203.2	40.6	.91S	.41T	94.2	74.4	.61D	.79T	66.5	20.3	172.3	36.3	313.4	46.7
	22.4		287.5	16.0	.22D	.97T	94.2	74.4	.06S	1.00T	97.1	29.3	5.1	3.5	268.9	60.4
	-12.8		240.0	33.9	.56S	.83T	98.8	62.4	.35D	.94T	84.0	15.0	179.0	18.0	316.5	66.2
	.7		221.2	23.7	.77S	.64T	93.9	75.1	.32D	.95T	79.2	27.8	179.0	18.0	297.8	56.0

CONE A 24 EXA .68 CONE C 15 EXC .22 CONE B 27 EXB .59

340
FEBRUARY 19, 1954 H = 19.07.48 30S 177.7W DEPTH NORMAL M = 7
HODGSON, J.H. AND COCK, J.I. 1958 PUB. DOM. OBS., 19, 223.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		52-8	30	80			119	87					48	80		
ALTER.		52-8	348	73			249	64					288	58		
	85.3	52-8-6	343.0	72.7	.85S	.53T	242.4	59.3	.94D	.35T	20.2	8.7	278.2	53.8	116.3	34.8
			36.4	31.5	.09S	1.00T	222.5	58.7	.06D	1.00T	220.2	13.6	310.9	2.7	51.9	76.1
ROTATION ABOUT A,C,B AXIS																
	-75.8		36.4	31.5	.94D	.33T	143.1	80.0	.50S	.87T	166.9	28.7	58.9	29.5	292.2	46.5
	31.0		36.4	31.5	.59S	.81T	257.1	65.1	.34D	.94T	242.4	17.8	338.4	18.0	110.8	64.3
	-64.0		324.9	70.6	.83S	.55T	222.5	58.7	.92D	.39T	1.3	7.6	261.5	51.9	97.1	37.1
	76.8		123.8	76.1	.84D	.54T	222.5	58.7	.96S	.28T	86.2	11.4	193.0	55.0	348.8	32.6
	-32.0		39.5	63.4	.05S	1.00T	226.2	26.8	.10D	.99T	41.8	18.3	310.9	2.7	212.8	71.4
	14.4		32.1	17.2	.16S	.99T	221.7	73.0	.05D	1.00T	219.5	27.9	310.9	2.7	46.0	61.9

CONE A 81 EXA .67 CONE C 70 EXC .57 CONE B 123 EXB .24

341
FEBRUARY 19, 1954 H = 21.34.41 12.5N 87.5W DEPTH NORMAL M = 6.7
HODGSON, J.H. AND COCK, J.I. 1958 PUB. DOM. OBS., 19, 223.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		41-11	298	55			35	82					316	53		
	83.7	41-7-5	231.6	50.5	.13S	.99T	62.9	40.0	.15D	.99T	236.7	5.3	146.2	5.6	9.7	82.3
			230.7	51.4	.15S	.99T	64.6	39.5	.19D	.98T	236.9	6.0	146.2	6.8	8.0	80.9
ROTATION ABOUT A,C,B AXIS																
	-13.4		230.7	51.4	.08D	1.00T	43.3	38.9	.10S	.99T	227.4	6.3	317.8	3.6	77.5	82.8
	37.4		230.7	51.4	.72S	.69T	109.8	57.3	.67D	.74T	81.4	3.4	173.7	34.3	346.4	55.5
	-28.8		197.6	60.7	.46S	.89T	64.6	39.5	.64D	.77T	217.2	11.5	122.0	23.9	330.9	63.1
	38.4		278.7	55.7	.36D	.93T	64.6	39.5	.46S	.89T	264.0	8.5	356.6	17.1	148.7	70.8
	-4.8		231.6	56.1	.14S	.99T	66.2	34.8	.21D	.98T	237.5	10.7	146.2	6.8	24.4	77.2
	.1		230.7	51.3	.15S	.99T	64.6	39.6	.19D	.98T	236.9	5.9	146.2	6.8	7.5	81.0

CONE A 18 EXA .93 CONE C 16 EXC .90 CONE B 58 EXB .24

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	82.9	41-8-6	2.7	35.7	.15S	.99T	193.0	54.7	.10D	.99T	188.7	9.5	279.5	4.9	36.4	79.3
			70.8	35.7	.57D	.82T	210.2	61.4	.38S	.93T	226.3	13.6	131.4	19.5	349.1	65.9
ROTATION ABOUT A,C,B AXIS																
	-10.2		70.8	35.7	.71D	.71T	199.9	65.6	.45S	.89T	219.4	16.4	121.7	24.4	339.9	60.0
	18.2		70.8	35.7	.29D	.96T	230.6	56.0	.20S	.98T	239.0	10.3	147.2	9.6	15.1	75.8
	-11.2		52.5	30.6	.33D	.94T	210.2	61.4	.19S	.98T	218.4	15.7	125.6	9.8	4.8	71.4
	32.0		101.2	59.2	.83D	.56T	210.2	61.4	.81S	.58T	245.4	1.4	154.0	45.5	336.7	44.5
	-19.2		57.1	52.5	.42D	.91T	199.9	44.0	.48S	.88T	39.8	4.5	131.4	19.5	297.4	69.9
	14.4		90.4	25.1	.79D	.62T	215.9	74.8	.35S	.94T	231.8	27.1	131.4	19.5	10.2	55.7
			CONE A	38 EXA	.22		CONE C	31 EXC	.15				CONE B	35 EXB	.34	

342
FEBRUARY 20, 1954 H = 18.35.07 6.9S 124.5E DEPTH 600 KM.
RITSEMA, A.R. 1956 LEM. MET. GEOFIS. VER. NO. 50.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		69	269	80			160	28								
ALTER.		69	255	79			2	34								
	82.1	69-11-10	151.3	30.7	.79S	.62N	275.3	71.6	.42D	.91N	62.7	56.2	193.7	23.7	294.2	22.6
			132.5	23.3	.60S	.80N	273.4	71.5	.25D	.97N	72.1	60.9	188.1	13.7	284.7	25.2
ROTATION ABOUT A,C,B AXIS																
	-5.4		132.5	23.3	.52S	.85N	279.0	70.3	.22D	.98N	79.3	62.6	193.3	11.9	288.8	24.3
	4.6		132.5	23.3	.66S	.75N	268.7	72.7	.27D	.96N	66.4	59.2	183.6	15.2	281.2	26.0
	-38.4		38.9	29.9	.77D	.64N	273.4	71.5	.41S	.91N	125.0	56.9	355.4	22.6	255.3	22.9
	14.4		153.5	33.8	.82S	.57N	273.4	71.5	.48D	.88N	57.7	54.3	193.3	27.2	294.9	21.3
	-4.8		141.1	19.7	.70S	.71N	274.6	76.2	.24D	.97N	76.4	56.6	188.1	13.7	286.1	29.8
	5.6		125.4	28.0	.50S	.86N	271.9	66.1	.26D	.97N	65.5	65.6	188.1	13.7	283.1	19.7
			CONE A	23 EXA	.80		CONE C	10 EXC	.04				CONE B	23 EXB	.81	

WITH ADDITIONAL DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE
OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	78.6	77-15-14	161.0	30.6	.94S	.33N	268.0	80.2	.49D	.87N	57.8	46.8	183.4	28.7	291.2	29.2
			160.8	30.4	.94S	.34N	268.2	80.0	.48D	.88N	58.1	47.1	183.7	28.4	291.2	29.1
ROTATION ABOUT A,C,B AXIS																
	-1.8		160.8	30.4	.93S	.37N	269.8	79.1	.48D	.88N	59.5	48.0	185.7	28.0	292.4	28.4
	3.8		160.8	30.4	.96S	.28N	264.9	81.8	.49D	.87N	55.2	45.3	179.4	29.1	288.6	30.6
	-57.6		15.8	30.3	.94D	.34N	268.2	80.0	.48S	.88N	118.3	47.1	352.8	28.3	245.3	29.2
	4.8		163.6	35.0	.95S	.30N	268.2	80.0	.55D	.83N	54.8	44.6	184.8	33.1	294.3	27.2
	-1.6		163.8	29.9	.95S	.30N	269.0	81.4	.48D	.88N	59.7	45.9	183.7	28.4	292.3	30.5
	2.0		157.1	31.1	.92S	.39N	267.3	78.2	.49D	.87N	56.0	48.5	183.7	28.4	290.0	27.4
			CONE A	15 EXA	.94		CONE C	4 EXC	.36				CONE B	19 EXB	.91	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	78.7	77-15-14	268.3	80.1	.16S	.99N	44.6	13.6	.68D	.73N	99.6	54.0	356.7	9.2	260.3	34.5
			271.2	72.2	.24D	.97N	129.7	22.3	.59S	.81N	71.4	60.5	185.5	13.0	282.0	26.0
ROTATION ABOUT A,C,B AXIS																
	-15.0		271.2	72.2	.48D	.88N	152.0	33.3	.83S	.56N	56.2	53.8	190.7	27.2	292.7	22.0
	37.4		271.2	72.2	.40S	.92N	36.0	29.4	.78D	.62N	122.0	56.4	353.5	22.5	253.1	23.6
	-0.5		270.7	72.3	.24D	.97N	129.7	22.3	.60S	.80N	70.8	60.4	185.0	13.1	281.5	26.1
	7.2		278.6	70.6	.20D	.98N	129.7	22.3	.49S	.87N	81.1	62.7	192.4	10.6	287.4	24.8
	-0.5		271.1	71.7	.24D	.97N	128.9	22.7	.58S	.81N	70.9	61.0	185.5	13.0	281.8	25.5
	7.2		272.9	79.2	.23D	.97N	144.4	17.0	.77S	.64N	77.0	54.0	185.5	13.0	284.1	32.9
			CONE A		8 EXA	0	CONE C		20 EXC	.85			CONE B		20 EXB	.85

343
MARCH 3, 1954 H = 06.02.55 5.5S 142.5E DEPTH NORMAL M = 7.2
RITSEMA, A.R. 1956 LEM. MET. GEOFIS. VER. NO. 50.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		76	102	76			11	85								
	84.3	76-14-10	4.9	76.6	.99S	.13N	96.7	82.5	.97D	.23N	231.6	14.8	35.4	74.6	140.5	4.1
			5.0	76.5	.99S	.14N	96.8	82.4	.97D	.24N	231.6	15.0	35.6	74.4	140.5	4.1
ROTATION ABOUT A,C,B AXIS																
	-3.0		5.0	76.5	.98S	.19N	97.5	79.5	.97D	.24N	231.7	17.1	44.4	72.8	141.1	2.1
	1.4		5.0	76.5	.99S	.11N	96.5	83.7	.97D	.23N	231.3	14.0	30.8	75.1	140.0	5.0
	-0.8		4.9	75.7	.99S	.14N	96.8	82.4	.97D	.25N	231.6	15.6	34.1	73.7	140.3	4.7
	.2		5.0	76.7	.99S	.14N	96.8	82.4	.97D	.23N	231.5	14.9	35.9	74.6	140.5	4.0
	-1.6		6.6	76.3	.99S	.13N	98.4	82.8	.97D	.24N	233.3	14.9	35.6	74.4	142.1	4.5
	1.0		3.9	76.7	.99S	.14N	95.8	82.1	.97D	.23N	230.3	15.1	35.6	74.4	139.2	3.8
			CONE A		2 EXA	.62	CONE C		3 EXC	.41			CONE B		2 EXB	.77

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* MARCH 21, 1954 H = 23.42.13 24.4N 95.2E DEPTH 180 KM M = 7.2
TANDON, A.N. AND MUKHERJI, S.M. 1956 IND. J. METEOR. GEOPH., 7, 1.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
TANDON		43	320	60			214	61					268	46		
	98.7	43-3-1	345.8	40.7	.48S	.88T	201.3	55.0	.38D	.93T	185.6	7.5	278.1	18.1	74.1	70.3
			10.9	33.2	.15S	.99T	201.4	57.2	.10D	.99T	197.3	12.0	288.3	4.8	39.7	77.0
ROTATION ABOUT A,C,B AXIS																
	-1.0		10.9	33.2	.14S	.99T	200.2	57.1	.09D	1.00T	196.5	12.0	287.4	4.3	36.8	77.3
	2.2		10.9	33.2	.19S	.98T	204.0	57.5	.12D	.99T	198.8	12.2	290.1	6.0	45.7	76.3
	-38.4		320.5	52.9	.73S	.68T	201.4	57.2	.70D	.72T	171.9	2.5	263.7	35.8	78.5	54.1
	19.2		45.2	35.1	.34D	.94T	201.4	57.2	.23S	.97T	211.0	11.3	118.7	11.3	344.8	73.9
	-11.2		13.3	44.3	.12S	.99T	202.9	46.1	.12D	.99T	198.2	.9	288.3	4.8	97.6	85.1
	.5		10.7	32.7	.16S	.99T	201.3	57.7	.10D	1.00T	197.2	12.5	288.3	4.8	38.8	76.5
			CONE A		26 EXA	.80	CONE C		6 EXC	.73			CONE B		14 EXB	.94

MARCH 29, 1954 H = 06.17.05 37.5N 3.5W DEPTH 650 KM. M = 7.1

HODGSON, J.H. AND COCK, J.I. 1956 TELLUS, 8, 321.

DI FILIPPO D. AND PERONACI, F. 1959 ANNALI DI GEOFIS., 12, 549. SCHAFFNER, H.J. 1961 ANNALI DI GEOFIS., 14, 327.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		104-9	92	89			192	3					182	3		
	90.3	104-9-8	196.7	2.0	.97S	.25T	91.9	89.5	.03D	1.00T	90.0	44.5	181.9	1.9	273.8	45.5
			188.3	26.3	.96S	.28T	83.6	82.8	.43D	.90T	62.4	33.0	170.2	25.2	289.6	46.2
ROTATION ABOUT A,C,B AXIS																
	-5.4		188.3	26.3	.93S	.37T	78.6	80.6	.42D	.91T	58.4	31.2	164.3	24.3	285.0	48.5
	27.8		188.3	26.3	.98S	.20N	288.6	84.9	.44D	.90N	83.1	44.2	201.0	25.7	310.6	34.8
	-11.2		183.1	37.2	.98S	.21T	83.6	82.8	.60D	.80T	55.0	28.3	168.3	36.3	297.4	40.7
	32.0		306.5	9.7	.68D	.74T	83.6	82.8	.12S	.99T	89.5	37.5	354.4	6.6	256.0	51.8
	-7.2		202.6	29.1	.87S	.48T	86.7	76.4	.44D	.90T	66.4	26.8	170.2	25.2	296.7	51.6
	14.4		155.2	26.0	.97S	.23N	257.4	84.1	.43D	.90N	52.0	45.1	170.2	25.2	278.9	34.3
			CONE A		31 EXA	.50	CONE C		27 EXC	.35			CONE B		38 EXB	.23

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
DIFILIPPO			86	70			353	83					67	70		
	98.9	40-0	182.4	72.0	.88S	.48T	82.8	63.0	.94D	.35T	221.0	5.9	122.0	56.7	314.8	32.6
			191.1	45.1	.89S	.46T	80.8	70.8	.66D	.75T	51.6	15.5	154.5	38.9	304.4	47.0
ROTATION ABOUT A,C,B AXIS																
	-31.0		191.1	45.1	.52S	.85T	51.9	52.7	.46D	.89T	32.8	4.0	124.4	21.6	292.7	68.0
	37.4		191.1	45.1	.99S	.17N	288.0	83.1	.70D	.71N	70.2	35.7	204.8	44.3	321.1	24.5
	-44.8		172.0	86.7	.94S	.33T	80.8	70.8	1.00D	.06T	214.9	11.1	91.4	70.5	308.1	15.9
	57.6		301.8	24.8	.62D	.79T	80.8	70.8	.27S	.96T	93.1	24.2	356.2	15.0	237.3	61.0
	-19.2		211.7	56.1	.76S	.65T	95.9	57.1	.75D	.66T	64.0	.6	154.5	38.9	333.3	51.1
	16.0		168.7	39.8	.98S	.19T	70.2	83.0	.63D	.77T	40.0	27.2	154.5	38.9	285.4	39.0
			CONE A		60 EXA	.66	CONE C		49 EXC	.49			CONE B		84 EXB	.33

COMBINATION OF HODGSON AND DI FILIPPO, WITH ADDITIONAL DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN. IN CASES OF DISAGREEMENT OF DATA STATION IS DISCARDED.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
91.9	117-9-8	137.7	2.0	.71S	.71N	272.7	88.6	.02D	1.00N	91.2	46.4	182.7	1.4	274.0	43.6
		182.0	24.5	1.00S	.02T	91.0	89.6	.42D	.91T	68.6	39.6	180.8	24.5	293.7	40.4
ROTATION ABOUT A,C,B AXIS															
-3.0		182.0	24.5	1.00S	.03N	273.8	89.2	.41D	.91N	70.9	40.8	184.1	24.5	296.0	39.3
1.0		182.0	24.5	1.00S	.04T	90.1	89.2	.41D	.91T	67.8	39.3	179.7	24.5	292.9	40.8
-28.8		355.3	4.3	.99D	.10T	91.0	89.6	.07S	1.00T	95.3	44.4	1.1	4.3	266.7	45.3
12.8		181.6	37.3	1.00S	.01T	91.0	89.6	.61D	.80T	59.9	33.8	180.7	37.3	302.4	34.6
-0.6		183.4	24.5	1.00S	.04T	91.3	89.0	.42D	.91T	69.0	39.1	180.8	24.5	294.1	40.9
9.6		159.7	26.1	.94S	.33N	267.0	81.7	.42D	.91N	61.0	47.5	180.8	24.5	287.5	32.2
		CONE A		21 EXA	.75	CONE C		6 FXC	.61			CONF B		13 EXB	.90

346
APRIL 17, 1954 H = 20.10.37 51.5N 179W DEPTH NORMAL M = 6.7
HODGSON, J.H. AND COCK, J.I. 1958 PUB. DOM. OBS., 19, 223.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		78-19	135	84			44	75					66	74		
ALTER.		78-22	357	82			267	84					320	80		
	76.4	78-21-17	270.2	57.1	.89S	.46N	16.0	67.1	.81D	.59N	146.6	41.2	314.1	48.1	51.1	6.3
			239.1	55.9	.04D	1.00N	63.2	34.2	.06S	1.00N	50.6	79.0	150.4	1.9	240.8	10.9
ROTATION ABOUT A,C,B AXIS																
	-50.2		239.1	55.9	.79D	.61N	125.8	59.7	.76S	.65N	.6	48.8	185.2	41.1	93.2	2.3
	56.6		239.1	55.9	.81S	.58N	351.0	61.1	.77D	.64N	117.4	47.5	291.1	42.3	24.0	3.1
	-3.6		234.7	56.1	.08D	1.00N	63.2	34.2	.12S	.99N	38.1	78.3	147.4	3.9	238.2	11.0
	25.6		269.4	58.7	.25S	.97N	63.2	34.2	.38D	.93N	124.8	72.3	351.8	12.3	259.0	12.6
	-1.4		239.0	54.5	.04D	1.00N	63.0	35.6	.06S	1.00N	49.2	80.3	150.4	1.9	240.7	9.5
	7.2		239.4	63.1	.04D	1.00N	64.1	27.0	.07S	1.00N	54.6	71.8	150.4	1.9	241.0	18.1
			CONE A		16 EXA	.71	CONE C		30 EXC	.92			CONE B		56 EXB	.73

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	72.7	78-22-17	62.5	86.7	1.00S	.06T	332.3	86.4	1.00D	.06T	107.4	.2	14.9	85.1	197.4	4.9
			60.4	88.3	1.00S	.03T	330.3	88.1	1.00D	.03T	105.8	.1	12.6	87.4	195.8	2.6
ROTATION ABOUT A,C,B AXIS																
	-2.6		60.4	88.3	1.00S	.08T	330.2	85.5	1.00D	.03T	105.4	2.0	351.2	85.2	195.6	4.4
	3.8		60.4	88.3	1.00S	.03N	150.4	88.1	1.00D	.03N	285.2	2.6	108.4	87.4	15.2	.1
	-2.4		240.3	89.3	1.00S	.03N	330.3	88.1	1.00D	.01N	105.7	1.8	310.5	88.0	195.7	.8
	4.0		60.5	84.3	1.00S	.03T	330.3	88.1	1.00D	.10T	285.6	2.7	42.0	84.0	195.3	5.4
	-6.4		66.8	88.5	1.00S	.04T	336.7	87.9	1.00D	.03T	112.0	.4	12.6	87.4	202.1	2.6
	4.0		56.4	88.2	1.00S	.03T	326.3	88.2	1.00D	.03T	192.6	2.6	12.6	87.4	102.6	-0.0
			CONE A		8 EXA	.38	CONE C		8 EXC	.38			CONE B		6 EXB	.00

347
APRIL 27, 1954 H = 10.06.24 6N 82.5W DEPTH NORMAL M = 7
HODGSON, J.H. AND COCK, J.I. 1958 PUB. DOM. OBS., 19, 223.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		59-7	96	85			5	76					27	75		
	88.3	60-7-7	352.0	78.6	.98S	.21N	84.5	77.9	.98D	.20N	218.1	16.8	39.9	73.2	308.3	.5
			352.2	78.4	.98S	.22N	84.8	77.6	.98D	.21N	218.5	17.1	40.5	72.9	308.7	.6
ROTATION ABOUT A,C,B AXIS																
	-0.4		352.2	78.4	.97S	.23N	84.8	77.2	.98D	.21N	218.5	17.4	41.4	72.6	308.8	.8
	.8		352.2	78.4	.98S	.21N	84.6	78.3	.98D	.20N	218.3	16.5	38.6	73.5	308.4	.1
	-1.8		351.8	76.7	.98S	.22N	84.8	77.6	.97D	.24N	218.4	18.4	36.3	71.6	128.2	.6
	1.8		352.6	80.2	.98S	.22N	84.8	77.6	.98D	.17N	218.4	15.8	45.3	74.1	309.0	1.8
	-1.4		353.6	78.1	.98S	.22N	86.2	77.9	.98D	.21N	220.0	17.1	40.5	72.9	310.1	.1
	2.0		350.2	78.9	.97S	.23N	82.8	77.2	.98D	.20N	216.3	17.1	40.5	72.9	306.7	1.2
			CONE A		3 EXA	.06	CONE C		2 EXC	.65			CONE B		2 EXB	.67

WITH ADDITIONAL DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE
OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	90.2	72-9-7	1.6	78.0	.99S	.14N	93.3	82.2	.98D	.21N	227.8	14.1	35.6	75.6	137.1	2.9
			1.6	78.0	.99S	.14N	93.3	82.2	.98D	.21N	227.8	14.1	35.6	75.6	137.1	2.9
ROTATION ABOUT A,C,B AXIS																
	-1.0		1.6	78.0	.99S	.16N	93.5	81.2	.98D	.21N	227.8	14.8	38.8	75.0	137.2	2.2
	.4		1.6	78.0	.99S	.13N	93.2	82.6	.98D	.21N	227.8	13.8	34.2	75.8	137.0	3.2
	-3.2		1.2	74.8	.99S	.14N	93.3	82.2	.96D	.26N	228.1	16.4	29.7	72.8	136.6	5.1
	4.8		2.3	82.7	.99S	.14N	93.3	82.2	.99D	.13N	228.0	10.7	49.9	79.3	318.0	.4
	-5.6		7.3	77.3	.99S	.12N	98.8	83.4	.98D	.22N	233.5	13.7	35.6	75.6	142.5	4.3
	.7		.9	78.1	.99S	.14N	92.6	82.0	.98D	.21N	226.9	14.1	35.6	75.6	136.2	2.7
			CONE A		7 EXA	.21	CONE C		3 EXC	.78			CONE B		3 EXB	.83

348
APRIL 29, 1954 H = 10.49.27 28.5N 113W DEPTH NORMAL M = 7.2
HODGSON, J.H. AND COCK, J.I. 1958 PUB. DOM. OBS., 19, 223.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		43-10	136	88			45	68					50	68		
	82.2	43-9-7	328.1	77.0	.99S	.15T	236.1	81.5	.97D	.23T	192.5	3.1	293.8	74.4	101.7	15.3
			328.4	76.1	.99S	.16T	236.2	81.0	.97D	.24T	192.9	3.4	294.3	73.3	101.9	16.3
ROTATION ABOUT A,C,B AXIS																
	-0.4		328.4	76.1	.99S	.17T	236.1	80.6	.97D	.24T	192.8	3.1	293.1	73.1	101.8	16.6
	4.6		328.4	76.1	1.00S	.08T	237.3	85.5	.97D	.24T	193.4	6.6	309.6	75.3	101.9	13.1
	-4.8		327.6	80.8	.99S	.16T	236.2	81.0	.99D	.16T	191.9	.1	282.5	77.1	101.9	12.9
	1.8		328.7	74.3	.99S	.16T	236.2	81.0	.96D	.27T	193.1	4.6	297.4	71.8	101.7	17.6
	-8.0		336.5	77.5	.98S	.19T	244.1	79.1	.98D	.22T	200.6	1.1	294.3	73.3	110.3	16.7
	.1		328.3	76.0	.99S	.16T	236.1	81.0	.97D	.24T	192.7	3.5	294.3	73.3	101.7	16.3
			CONE A		7 EXA	.19	CONE C		6 EXC	.38			CONE B		6 EXB	.24

349
APRIL 29, 1954 H = 11.34.34 28.5N 113W DEPTH NORMAL M = 7.5
HODGSON, J.H. AND COCK, J.I. 1958 PUB. DOM. OBS., 19, 223.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		46-9	136	88			45	68					50	68		
	78.3	45-10-8	127.9	85.4	.89S	.45T	35.6	63.5	1.00D	.09T	168.8	15.0	47.0	63.0	265.0	21.9
			118.3	83.6	.89S	.45T	25.1	63.3	.99D	.13T	158.9	13.8	40.8	62.4	255.0	23.4
ROTATION ABOUT A,C,B AXIS																
	-3.0		118.3	83.6	.87S	.50T	24.7	60.3	.99D	.13T	157.9	15.7	39.3	59.5	255.6	25.4
	3.8		118.3	83.6	.92S	.39T	25.6	67.0	.99D	.12T	159.9	11.4	43.0	66.0	254.3	20.8
	-2.0		117.4	85.4	.89S	.45T	25.1	63.3	1.00D	.09T	158.3	15.2	36.5	62.8	254.6	22.0
	7.2		121.7	77.2	.89S	.46T	25.1	63.3	.97D	.25T	161.2	9.3	54.8	59.9	256.2	28.4
	-0.3		118.6	83.7	.89S	.45T	25.4	63.2	.99D	.12T	159.1	13.9	40.8	62.4	255.3	23.3
	8.0		111.1	80.0	.90S	.44T	16.3	64.5	.98D	.19T	151.4	10.4	40.8	62.4	246.4	25.2
			CONE A		9 EXA	.10	CONE C		8 EXC	.18			CONE B		8 EXB	.26

350
APRIL 30, 1954 H = 13.02.37 39N 22E DEPTH NORMAL M = 7
HODGSON, J.H. AND COCK, J.I. 1958 PUB. DOM. OBS., 19, 223.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		80-13	224	78			356	18					311	13		
	82.0	80-17-13	239.0	70.7	.11S	.99N	39.8	20.3	.31D	.95N	69.5	63.7	326.8	6.2	233.8	25.4
			248.1	61.7	.13D	.99N	83.3	29.2	.23S	.97N	50.7	72.3	161.6	6.5	253.5	16.4
ROTATION ABOUT A,C,B AXIS																
	-7.0		248.1	61.7	.25D	.97N	96.5	31.5	.42S	.91N	37.7	69.8	165.1	12.6	258.7	15.5
	27.8		248.1	61.7	.35S	.94N	30.0	34.4	.54D	.84N	106.8	66.7	328.1	17.9	233.4	14.4
	-4.0		243.7	62.3	.16D	.99N	83.3	29.2	.30S	.95N	42.5	71.1	158.1	8.4	250.7	16.8
	8.0		257.2	61.0	.05D	1.00N	83.3	29.2	.09S	1.00N	69.7	73.8	168.7	2.6	259.4	15.9
	-0.7		248.0	61.0	.13D	.99N	83.0	29.8	.23S	.97N	49.8	72.9	161.6	6.5	253.4	15.7
	8.0		249.2	69.6	.12D	.99N	88.4	21.5	.31S	.95N	57.6	64.7	161.6	6.5	254.5	24.3
			CONE A		10 EXA	.27	CONE C		17 EXC	.75			CONE B		20 EXB	.66

351
MAY 3, 1954 H = 15.29.40 51.5N 159.5E DEPTH NORMAL M = 6.7
HODGSON, J.H. AND COCK, J.I. 1958 PUB. DOM. OBS., 19, 223.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		74-11	16	71			279	70					326	62		
	84.7	72-12-11	305.6	71.6	.92S	.40N	43.3	67.9	.94D	.34N	173.7	29.3	359.4	60.6	265.0	2.5
			305.5	71.7	.92S	.39N	43.1	68.2	.94D	.34N	173.6	29.0	359.1	60.9	264.9	2.3
ROTATION ABOUT A,C,B AXIS																
	-0.6		305.5	71.7	.92S	.40N	43.3	67.6	.94D	.34N	173.6	29.4	359.9	60.5	265.1	2.7
	5.4		305.5	71.7	.95S	.30N	41.2	73.3	.94D	.33N	173.7	25.2	350.9	64.8	83.2	1.1
	-0.1		305.5	71.6	.92S	.39N	43.1	68.2	.94D	.34N	173.6	29.1	358.9	60.8	264.9	2.3
	.3		305.6	72.0	.92S	.39N	43.1	68.2	.94D	.33N	173.6	28.8	359.6	61.1	265.0	2.5
	-1.0		306.5	71.3	.92S	.39N	44.1	68.5	.94D	.34N	174.7	29.0	359.1	60.9	265.8	1.9
	2.0		303.6	72.5	.92S	.40N	41.1	67.5	.95D	.33N	171.3	28.9	359.1	60.9	263.1	3.3
			CONE A		1 EXA	.87	CONE C		4 EXC	.50			CONE B		2 EXB	.93

352
MAY 14, 1954 H = 22.39.26 36N 137E DEPTH 225 KM. M = 7
HODGSON, J.H. AND COCK, J.I. 1958 PUB. DOM. OBS., 19, 223.
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		94-10	59	83			326	68					345	67		
	88.6	94-12-10	60.1	78.9	.92S	.38T	325.5	67.9	.98D	.21T	101.3	7.5	355.0	65.0	194.6	23.7
			60.3	79.0	.92S	.38T	325.8	68.0	.98D	.21T	101.6	7.5	355.2	65.2	194.9	23.5
ROTATION ABOUT A,C,B AXIS																
	-0.2		60.3	79.0	.92S	.38T	325.8	67.8	.98D	.21T	101.5	7.6	354.9	65.0	194.8	23.7
	0		60.3	79.0	.92S	.38T	325.8	68.0	.98D	.21T	101.6	7.5	355.2	65.2	194.9	23.5
	-5.6		58.2	84.2	.93S	.38T	325.8	68.0	.99D	.11T	100.1	11.1	342.2	67.2	194.2	19.6
	3.6		61.8	75.7	.92S	.39T	325.8	68.0	.96D	.27T	102.7	5.2	2.3	63.3	195.2	26.1
	-1.0		61.3	79.4	.92S	.38T	326.9	67.8	.98D	.20T	102.6	7.9	355.2	65.2	196.0	23.4
	.2		60.1	78.9	.92S	.38T	325.6	68.1	.98D	.21T	101.4	7.3	355.2	65.2	194.6	23.6
			CONE A		3 EXA	.87	CONE C		0 EXC	.83			CONE B		1 EXB	.98

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA		139	211	74			325	36					291	31		
	94.2	139-10-8	212.4	81.0	.20S	.98N	340.3	14.4	.78D	.63N	45.7	52.7	300.6	11.2	202.6	35.0
			207.1	80.1	.18S	.98N	340.3	14.4	.72D	.70N	39.7	53.8	295.3	10.3	198.2	34.3
ROTATION ABOUT A,C,B AXIS																
	-0.4		207.1	80.1	.17S	.98N	341.5	14.1	.70D	.71N	39.2	53.8	295.4	9.9	198.5	34.4
	3.8		207.1	80.1	.25S	.97N	331.4	17.3	.81D	.58N	43.8	52.8	294.6	14.0	195.1	33.6
	-6.4		200.7	79.0	.16S	.99N	340.3	14.4	.64D	.77N	32.2	55.1	288.9	9.1	192.8	33.4
	8.0		215.1	81.6	.20S	.98N	340.3	14.4	.81D	.59N	48.5	52.0	303.3	11.6	204.9	35.6
	-1.0		207.3	79.1	.18S	.98N	343.1	15.1	.68D	.73N	40.2	54.7	295.3	10.3	198.4	33.3
	.8		207.0	80.8	.18S	.98N	337.9	13.8	.75D	.67N	39.3	53.1	295.3	10.3	198.0	35.0
			CONE A	5 EXA	.87		CONE C	3 EXC	.57				CONE B	8 EXB	.71	

COMBINATION OF HODGSON AND ICHIKAWA, WITH ADDITIONAL DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN. IN CASES OF DISAGREEMENT OF DATA STATION IS DISCARDED.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
90.8	235-24-19	220.1	78.6	.55S	.83N	326.8	35.1	.94D	.34N	74.2	45.9	302.7	32.7	194.4	26.0
		206.2	79.8	.19S	.98N	339.4	14.7	.72D	.70N	39.1	54.0	294.3	10.5	197.1	34.0
ROTATION ABOUT A,C,B AXIS															
-1.0		206.2	79.8	.17S	.99N	342.3	14.0	.68D	.73N	37.8	54.2	294.4	9.5	197.9	34.1
18.2		206.2	79.8	.48S	.88N	314.0	30.5	.94D	.35N	56.4	47.3	290.6	28.4	183.2	29.0
-5.6		200.6	78.8	.17S	.99N	339.4	14.7	.65D	.76N	32.6	55.2	288.7	9.5	192.4	33.1
8.0		214.1	81.4	.21S	.98N	339.4	14.7	.81D	.59N	48.0	52.1	302.3	11.9	203.7	35.3
-0.1		206.2	79.7	.19S	.98N	339.7	14.8	.71D	.70N	39.1	54.1	294.3	10.5	197.2	33.9
1.0		206.0	80.8	.18S	.98N	336.5	14.1	.75D	.66N	38.6	53.0	294.3	10.5	196.9	35.0
		CONE A	4 EXA	.92		CONE C	5 EXC	.94				CONE B	16 EXB	.29	

353
JUNE 5, 1954 H = 13.14.24 36.0N 139.9E DEPTH 55 KM.
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA			286	87			106	3					197	0		
	87.3	29-4	196.1	23.3	.99S	.14T	98.9	86.9	.39D	.92T	78.4	37.7	187.6	23.1	301.4	43.4
			196.8	39.3	.98S	.21T	97.3	82.3	.62D	.78T	67.6	26.9	181.2	38.3	312.5	39.9
ROTATION ABOUT A,C,B AXIS																
	-2.6		196.8	39.3	.97S	.26T	95.3	80.7	.62D	.78T	66.1	25.6	178.0	37.8	311.1	41.4
	10.2		196.8	39.3	1.00S	.04T	105.3	88.7	.63D	.77T	73.4	32.1	194.2	39.3	318.1	34.3
	-12.8		193.4	51.9	.99S	.17T	97.3	82.3	.78D	.62T	61.3	20.0	177.8	50.8	318.1	32.1
	19.2		208.1	20.9	.93S	.38T	97.3	82.3	.33D	.94T	80.7	34.5	184.6	19.3	298.4	49.1
	-7.2		207.5	41.3	.94S	.35T	101.9	76.7	.64D	.77T	73.0	21.6	181.2	38.3	320.6	43.9
	3.2		191.8	38.7	.99S	.15T	95.3	84.8	.62D	.78T	65.1	29.2	181.2	38.3	309.2	38.0
			CONE A	18 EXA	.67		CONE C	12 EXC	.19				CONE B	20 EXB	.60	

354
JUNE 6, 1954 H = 16.50.40 3S 135.5E DEPTH NORMAL M = 7
RITSEMA, A.R. 1956 LEM. MET. GEOFIS. VER. NO. 50.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		68	249	2			69	88								
	82.2	68-13-11	163.8	52.7	.99S	.14T	68.7	83.4	.79D	.61T	32.0	20.3	150.2	51.9	289.3	30.7
			166.8	47.3	.99S	.15T	70.8	83.5	.73D	.68T	36.6	23.5	154.0	46.6	289.5	34.0
ROTATION ABOUT A,C,B AXIS																
	0		166.8	47.3	.99S	.15T	70.8	83.5	.73D	.68T	36.6	23.5	154.0	46.6	289.5	34.0
	.6		166.8	47.3	.99S	.14T	71.2	84.0	.73D	.68T	36.7	23.9	154.8	46.7	289.6	33.6
	-9.6		165.1	56.8	.99S	.13T	70.8	83.5	.83D	.55T	32.5	17.9	151.1	56.0	292.7	27.9
	89.6		333.9	43.0	.99D	.16T	70.8	83.5	.68S	.74T	102.9	25.9	346.7	42.3	214.1	36.6
	-0.1		167.0	47.3	.99S	.15T	70.9	83.5	.73D	.68T	36.6	23.5	154.0	46.6	289.5	34.0
	.7		165.9	47.2	.99S	.14T	70.3	84.0	.73D	.68T	36.0	24.0	154.0	46.6	288.7	33.6
			CONE A	9 EXA	.99		CONE C	1 EXC	.25				CONE B	8 EXB	.99	

355
* JUNE 7, 1954 H = 10.15.33 3.5S 152.5E DEPTH 475 KM. M = 6.7
RITSEMA, A.R. 1959 PUBL. DOM. OBS., 20, 341. DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA			11	88			279	47					283	47		
	84.8	66-13-12	224.6	11.9	.72S	.69N	357.7	81.8	.15D	.99N	167.6	52.4	268.9	8.6	5.3	36.2
			280.5	15.1	.90S	.43T	165.5	83.5	.24D	.97T	153.4	37.1	253.9	13.6	.5	49.7
ROTATION ABOUT A,C,B AXIS																
	-43.8		280.5	15.1	.95S	.31N	27.9	85.4	.25D	.97N	192.7	47.7	299.1	14.4	41.0	38.7
	50.2		280.5	15.1	.24S	.97T	115.0	75.3	.07D	1.00T	111.9	30.2	204.0	3.6	300.1	59.5
	-57.6		68.8	44.3	.99D	.16T	165.5	83.5	.69S	.72T	198.3	25.2	81.7	43.6	308.2	35.9
	57.6		257.7	71.4	.99S	.12T	165.5	83.5	.95D	.32T	122.9	8.4	237.0	70.2	30.2	17.8
	-4.0		292.7	17.2	.79S	.61T	166.4	79.6	.24D	.97T	154.8	33.2	253.9	13.6	2.9	53.4
	14.4		224.0	15.6	.87S	.48N	342.1	82.5	.24D	.97N	146.7	50.7	253.9	13.6	354.0	36.1
			CONE A	46 EXA	.84		CONE C	42 EXC	.80				CONE B	104 EXB	.18	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	84.8	66-11-11	275.8	46.2	1.00S	.09N	9.5	86.2	.72D	.69N	152.4	32.5	283.4	45.9	44.1	26.3
			293.1	23.5	.67S	.74T	158.0	72.9	.28D	.96T	145.2	26.1	243.1	15.6	.7	58.9
ROTATION ABOUT A,C,B AXIS																
	-50.2		293.1	23.5	1.00S	.05N	25.5	89.0	.40D	.92N	183.5	41.4	296.0	23.5	47.0	39.5
	37.4		293.1	23.5	.09S	1.00T	118.6	66.6	.04D	1.00T	116.9	21.6	207.7	2.0	302.7	68.3
	-64.0		53.0	49.9	.92D	.38T	158.0	72.9	.74S	.67T	190.7	14.3	85.9	45.0	293.7	41.5
	51.2		254.9	68.6	.95S	.32T	158.0	72.9	.92D	.38T	117.2	2.9	212.6	62.0	25.7	27.8
	-16.0		311.2	36.8	.45S	.89T	163.3	57.6	.32D	.95T	150.0	10.8	243.1	15.6	26.7	70.9
	19.2		237.8	15.7	1.00S	.09N	332.7	88.6	.27D	.96N	137.3	44.3	243.1	15.6	347.4	41.6
			CONE A	64 EXA	.69		CONE C	56 EXC	.60				CONE B	100 EXB	.24	

356
JULY 2, 1954 H = 02.45.09 13N 124E DEPTH NORMAL M = 7
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		32-4	296	88			206	90					296	88		
	83.6	32-5-5	21.1	89.9	1.00S	.03N	111.1	88.1	1.00D	0N	246.1	1.4	108.1	88.1	336.1	1.3
			20.6	89.9	1.00S	.04N	110.6	87.8	1.00D	0N	245.4	1.6	107.8	87.8	335.4	1.5
ROTATION ABOUT A,C,B AXIS																
	-0.4		20.6	89.9	1.00S	.05N	110.6	87.4	1.00D	0N	245.4	1.9	108.2	87.4	335.4	1.8
	7.0		20.6	89.9	1.00S	.08T	290.6	85.2	1.00D	0T	65.6	3.3	291.9	85.2	155.8	3.5
	-3.2		20.5	86.7	1.00S	.04N	110.6	87.8	1.00D	.06N	245.6	3.9	54.3	86.0	155.6	.8
	5.6		200.8	84.5	1.00S	.04T	110.6	87.8	1.00D	.10T	65.7	2.3	178.8	84.1	335.5	5.4
	-0.7		21.3	89.9	1.00S	.04N	111.3	87.8	1.00D	0N	245.4	1.6	107.8	87.8	335.4	1.5
	1.6		19.0	90.0	1.00S	.04N	109.0	87.8	1.00D	0N	242.8	1.6	107.8	87.8	332.8	1.6
			CONE A		4 EXA	.74	CONE C		4 EXC	.69			CONE B		8 EXB	.16

357
JULY 3, 1954 H = 22.31.25 6.5S 105.5E DEPTH 100 KM. M = 7
RITSEMA, A.R. 1956 LEM. MET. GEOFIS. VER. NO. 50.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		104	217	66			37	24								
	90.3	104-12-9	256.0	59.8	.18S	.98T	95.7	31.7	.29D	.96T	263.5	14.2	171.2	8.8	50.4	73.2
			245.5	51.1	.27S	.96T	89.8	41.5	.32D	.95T	256.7	4.9	165.6	12.2	8.2	76.8
ROTATION ABOUT A,C,B AXIS																
	-43.8		245.5	51.1	.47D	.88T	25.3	46.6	.50S	.86T	226.1	2.4	317.0	21.4	130.0	68.5
	27.8		245.5	51.1	.69S	.72T	122.1	55.7	.65D	.76T	94.7	2.6	186.4	32.5	.7	57.4
	-38.4		205.6	68.9	.60S	.80T	89.8	41.5	.84D	.54T	231.6	16.0	130.6	33.8	342.8	51.6
	38.4		295.4	51.4	.29D	.96T	89.8	41.5	.34S	.94T	283.6	5.1	14.8	12.9	172.6	76.1
	-14.4		249.8	65.0	.23S	.97T	99.4	28.2	.45D	.89T	259.9	18.9	165.6	12.2	44.6	67.2
	14.4		239.1	37.4	.35S	.94T	84.2	55.3	.26D	.97T	73.6	9.2	165.6	12.2	307.6	74.7
			CONE A		47 EXA	.62	CONE C		45 EXC	.60			CONE B		74 EXB	.07

358
JULY 6, 1954 H = 08.04.42 46.5N 153.5E DEPTH = 100 KM. M = 6.7
HODGSON, J.H. AND COCK, J.I. 1958 PUB. DOM. OBS., 19, 223.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		78-12	68	62			-	-					-	-		
	83.8	78-13-12	69.6	62.6	.03S	1.00T	253.8	27.4	.06D	1.00T	71.0	17.6	340.5	1.7	245.2	72.3
			69.6	62.6	.03S	1.00T	253.8	27.4	.06D	1.00T	71.0	17.6	340.5	1.7	245.2	72.3
ROTATION ABOUT A,C,B AXIS																
	-56.6		69.6	62.6	.82D	.58T	177.7	59.1	.84S	.54T	34.3	2.2	126.6	46.4	302.3	43.5
	43.8		69.6	62.6	.72S	.70T	315.5	51.7	.81D	.59T	100.3	6.5	4.9	39.5	198.0	49.8
	-0.6		68.9	62.6	.04S	1.00T	253.8	27.4	.07D	1.00T	70.6	17.6	340.0	2.0	243.7	72.3
	2.4		72.3	62.6	.01S	1.00T	253.8	27.4	.02D	1.00T	72.8	17.6	342.6	.6	250.7	72.4
	0		69.6	62.6	.03S	1.00T	253.8	27.4	.06D	1.00T	71.0	17.6	340.5	1.7	245.2	72.3
	.4		69.6	62.2	.03S	1.00T	253.7	27.8	.06D	1.00T	71.0	17.2	340.5	1.7	245.0	72.7
			CONE A		1 EXA	.87	CONE C		6 EXC	1.00			CONE B		17 EXB	.97

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	83.4	78-14-13	115.8	72.6	.59S	.81T	3.5	39.5	.88D	.47T	142.0	19.5	38.1	34.2	256.2	49.2
			118.7	61.0	.07D	1.00T	290.9	29.2	.12S	.99T	116.0	15.9	206.9	3.3	308.3	73.7
ROTATION ABOUT A,C,B AXIS																
	-43.8		118.7	61.0	.74D	.67T	232.6	53.8	.80S	.60T	87.1	4.3	180.7	40.2	352.0	49.5
	56.6		118.7	61.0	.80S	.60T	8.5	58.1	.82D	.57T	153.0	1.8	61.3	44.2	244.8	45.7
	-44.8		69.1	67.4	.33S	.95T	290.9	29.2	.62D	.79T	83.3	20.2	346.6	17.5	218.9	62.7
	44.8		166.2	72.3	.40D	.92T	290.9	29.2	.78S	.62T	148.2	23.7	248.7	22.5	17.1	56.3
	-16.0		117.6	77.0	.06D	1.00T	282.9	13.5	.25S	.97T	114.8	31.9	206.9	3.3	302.2	57.9
	19.2		120.5	41.8	.09D	1.00T	293.9	48.3	.08S	1.00T	297.1	3.3	206.9	3.3	71.6	85.4
			CONE A		56 EXA	.61	CONE C		59 EXC	.65			CONE B		95 EXB	.11

359
* JULY 6, 1954 H = 11.13.19 39.5N 118.5W DEPTH NORMAL M = 7
TOCHER, D. 1955 DOCTORAL THESIS, U. OF CALIFORNIA.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
TOCHER		63	326	51			66	78					350	48		
	87.4	63-8-6	306.2	15.4	.94S	.33N	54.8	85.0	.25D	.97N	219.4	48.0	326.1	14.5	67.9	38.3
			308.9	15.8	.96S	.30N	55.5	85.4	.26D	.97N	219.6	47.5	326.7	15.1	69.1	38.6
ROTATION ABOUT A,C,B AXIS																
	-8.6		308.9	15.8	.90S	.43N	63.8	83.2	.25D	.97N	228.2	49.8	335.6	14.2	76.4	36.6
	3.0		308.9	15.8	.97S	.24N	52.6	86.2	.27D	.96N	216.6	46.6	323.6	15.4	66.6	39.3
	-8.0		292.8	8.5	.84S	.54N	55.5	85.4	.12D	.99N	227.7	49.1	326.1	7.2	62.2	40.0
	1.0		309.9	16.8	.96S	.28N	55.5	85.4	.28D	.96N	218.6	47.2	326.8	16.1	70.0	38.3
	-3.6		322.2	15.2	1.00S	.08N	56.4	88.9	.26D	.97N	221.5	44.1	326.7	15.1	70.8	42.0
	.8		306.2	16.1	.94S	.34N	55.3	84.6	.26D	.97N	219.1	48.2	326.7	15.1	68.8	37.8
			CONE A		6 EXA	.51	CONE C		7 EXC	.62			CONE B		10 EXB	.22

360
AUGUST 18, 1954 H = 04.42.20 21.5S 176W DEPTH 160 KM. M = 7
HODGSON, J.H. AND COCK, J.I. 1958 PUB. DOM. OBS., 19, 223.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		90-13	117	81			23	69					50	67		
	81.9	88-18-15	24.5	69.6	.98S	.19N	118.3	79.9	.93D	.35N	252.8	21.8	53.0	67.0	159.9	7.0
			24.9	68.4	.98S	.20N	119.3	79.1	.93D	.37N	253.8	23.2	54.4	65.6	160.7	7.3
ROTATION ABOUT A,C,B AXIS																
	-2.6		24.9	68.4	.97S	.25N	120.3	76.7	.93D	.38N	254.1	25.0	59.7	64.3	161.4	5.6
	3.0		24.9	68.4	.99S	.15N	118.1	81.9	.93D	.37N	253.5	21.1	47.6	66.8	159.9	9.2
	-0.3		24.8	68.2	.98S	.20N	119.3	79.1	.93D	.38N	253.8	23.4	54.1	65.3	160.6	7.4
	2.0		25.3	70.4	.98S	.20N	119.3	79.1	.94D	.34N	253.6	21.7	56.8	67.4	161.2	5.9
	-0.2		25.1	68.4	.98S	.20N	119.5	79.2	.93D	.37N	254.1	23.1	54.4	65.6	160.9	7.3
	4.8		19.9	69.5	.97S	.23N	114.7	77.3	.93D	.36N	248.5	23.7	54.4	65.6	156.2	5.3
			CONE A		3 EXA	.54	CONE C		5 EXC	.11			CONE B		4 EXB	.59

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
81.2	88-19-16	280.4	17.9	.29S	.96N	82.5	72.9	.09D	1.00N	254.4	61.7	354.1	5.2	86.8	27.7
		280.4	17.9	.29S	.96N	82.5	72.9	.09D	1.00N	254.4	61.7	354.1	5.2	86.8	27.7
ROTATION ABOUT A,C,B AXIS															
-0.8		280.4	17.9	.28S	.96N	83.3	72.8	.09D	1.00N	255.5	61.9	354.9	5.0	87.5	27.6
.8		280.4	17.9	.31S	.95N	81.7	73.0	.10D	1.00N	253.2	61.6	353.3	5.4	86.2	27.8
-44.8		192.2	42.4	.90D	.44N	82.5	72.9	.63S	.77N	303.5	46.9	158.9	37.3	54.3	18.3
51.2		341.5	58.3	.94S	.35N	82.5	72.9	.84D	.55N	216.1	35.4	16.6	53.0	119.3	9.4
-1.2		281.7	16.8	.31S	.95N	82.6	74.1	.09D	1.00N	254.8	60.5	354.1	5.2	87.0	28.9
0		280.4	17.9	.29S	.96N	82.5	72.9	.09D	1.00N	254.4	61.7	354.1	5.2	86.8	27.7
		CONE A		11 EXA	.99	CONE C		1 EXC	.25			CONE B		12 EXB	.98

361
* AUGUST 24, 1954 H = 05.51.32 39.5N 118.5W DEPTH NORMAL M = 6.8
TOCHER, D. 1955 DOCTORAL THESIS, U. OF CALIFORNIA.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
TOCHER			85	51			315	51					20	28		
	83.8	65-11-9	310.3	54.3	.50S	.87N	85.7	45.3	.57D	.82N	188.8	65.5	21.7	23.9	289.5	4.9
			299.6	57.3	.42S	.91N	79.4	40.0	.54D	.84N	169.5	67.4	15.8	20.5	282.3	9.2
ROTATION ABOUT A,C,B AXIS																
	-4.6		299.6	57.3	.34S	.94N	85.7	37.7	.47D	.88N	165.2	70.3	18.5	16.7	285.4	10.2
	10.2		299.6	57.3	.57S	.82N	67.5	46.2	.66D	.75N	174.7	60.5	9.1	28.7	275.7	6.2
	-11.2		286.9	53.3	.30S	.95N	79.4	40.0	.37D	.93N	159.0	74.5	6.4	13.8	274.7	6.8
	9.6		309.5	61.7	.49S	.87N	79.4	40.0	.68D	.74N	176.1	61.2	24.5	25.8	288.6	11.9
	-8.0		303.9	50.1	.46S	.89N	85.3	46.9	.48D	.88N	190.6	69.4	15.8	20.5	285.2	1.7
	1.0		299.1	58.2	.41S	.91N	78.5	39.2	.55D	.83N	167.3	66.9	15.8	20.5	282.0	10.1
			CONE A		14 EXA	.57	CONE C		12 EXC	.39			CONE B		18 EXB	.29

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
83.0	65-11-9	153.4	63.3	.97S	.23N	249.5	77.9	.89D	.46N	24.3	27.7	181.6	60.3	289.1	9.8
		152.8	62.4	.97S	.24N	249.3	77.8	.88D	.47N	24.2	28.5	180.7	59.4	288.5	10.3
ROTATION ABOUT A,C,B AXIS															
-7.0		152.8	62.4	.93S	.35N	252.8	71.7	.87D	.49N	25.2	33.4	192.1	55.9	291.1	6.1
21.4		152.8	62.4	.99S	.13T	59.3	83.2	.88D	.47T	19.2	14.1	136.7	61.4	282.7	24.3
-0.4		152.7	62.0	.97S	.24N	249.3	77.8	.88D	.48N	24.2	28.8	180.3	59.0	288.3	10.5
4.8		154.1	67.0	.97S	.23N	249.3	77.8	.92D	.40N	23.5	25.1	185.1	63.7	290.1	7.3
-4.0		157.2	61.5	.98S	.20N	252.9	79.7	.87D	.49N	28.6	27.6	180.7	59.4	292.1	12.2
.1		152.7	62.4	.97S	.24N	249.2	77.8	.88D	.47N	24.2	28.5	180.7	59.4	288.5	10.3
		CONE A		5 EXA	.21	CONE C		11 EXC	.86			CONE B		12 EXB	.82

362
SEPTEMBER 13, 1954 H = 02.09.55 21S 175.5W DEPTH 160 KM. M = 6.7
HODGSON, J.H. AND COCK, J.I. 1958 PUB. DOM. OBS., 19, 223.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		71-11	107	84			15	70					32	70		
	84.3	69-12-10	6.3	69.3	.94S	.34N	103.6	71.5	.93D	.37N	235.4	28.3	51.9	61.7	144.6	1.5
			331.4	40.0	.20S	.98N	136.3	51.0	.17D	.99N	269.3	80.7	52.4	7.5	143.1	5.5
ROTATION ABOUT A,C,B AXIS																
	-21.4		331.4	40.0	.17D	.99N	164.0	50.7	.14S	.99N	27.5	81.8	248.8	6.2	158.2	5.4
	43.8		331.4	40.0	.82S	.57N	89.2	68.7	.57D	.82N	227.2	53.0	13.3	32.0	114.0	16.6
	-44.8		268.0	50.5	.58D	.81N	136.3	51.0	.58S	.82N	21.7	63.4	202.4	26.6	112.3	.3
	44.8		22.1	63.1	.71S	.71N	136.3	51.0	.81D	.58N	253.1	49.9	87.6	39.2	351.7	7.2
	-14.4		338.0	26.0	.30S	.95N	138.9	65.2	.14D	.99N	302.7	68.7	52.4	7.5	145.1	19.8
	25.6		325.8	65.2	.14S	.99N	126.8	26.0	.30D	.96N	162.1	68.7	52.4	7.5	319.7	19.8

CONE A 60 EXA .55 CONE C 51 EXC .39 CONE B 76 EXB .27

363
SEPTEMBER 15, 1954 H = 17.56.08 18S 178.5W DEPTH 600 KM. M = 7
HODGSON, J.H. AND COCK, J.I. 1958 PUB. DOM. OBS., 19, 223.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		82-17	321	83			56	60					39	59		
	82.9	81-18-14	161.5	86.4	.86S	.52T	69.3	58.9	1.00D	.07T	201.2	18.7	77.4	58.6	299.9	24.2
			199.5	54.0	.32S	.95T	49.7	40.0	.41D	.91T	212.8	7.2	120.8	15.2	327.5	73.1
ROTATION ABOUT A,C,B AXIS																
	-63.0		199.5	54.0	.70D	.72T	320.7	54.5	.69S	.72T	350.0	.3	259.8	34.3	80.4	55.7
	37.4		199.5	54.0	.83S	.56T	88.1	63.3	.75D	.66T	55.7	5.6	150.8	42.3	319.6	47.1
	-51.2		151.1	80.6	.63S	.78T	49.7	40.0	.97D	.26T	180.6	25.2	68.7	38.4	294.9	41.1
	44.8		256.0	53.1	.29D	.96T	49.7	40.0	.35S	.93T	244.3	6.7	335.9	13.2	127.9	75.1
	-16.0		205.0	69.3	.28S	.96T	64.5	26.1	.59D	.80T	217.3	22.6	120.8	15.2	359.7	62.2
	16.0		191.4	39.1	.41S	.91T	41.8	54.9	.32D	.95T	28.6	8.2	120.8	15.2	271.2	72.7

CONE A 55 EXA .67 CONE C 57 EXC .68 CONE B 98 EXB .04

364
SEPTEMBER 20, 1954 H = 00.39.28 1.5S 120.5E DEPTH NORMAL
RITSEMA, A.R. 1956 LEM. MET. GEOFIS. VER. NO. 50.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		29	74	76			325	38								
	82.9	29-4-4	72.5	76.0	.55S	.83T	322.4	35.9	.91D	.41T	97.7	23.7	351.6	32.3	216.9	48.1
			118.6	57.6	.19S	.98T	318.7	34.0	.29D	.96T	126.6	12.0	34.6	9.3	267.6	74.8
ROTATION ABOUT A,C,B AXIS																
	-11.8		118.6	57.6	.01D	1.00T	297.2	32.4	.02S	1.00T	118.1	12.6	208.2	.6	300.9	77.4
	31.0		118.6	57.6	.67S	.74T	357.9	51.2	.73D	.69T	146.9	3.7	54.4	34.5	242.3	55.2
	-44.8		72.8	74.6	.51S	.86T	318.7	34.0	.88D	.47T	95.9	23.5	351.7	29.5	218.0	50.7
	38.4		164.1	58.7	.24D	.97T	318.7	34.0	.37S	.93T	154.1	12.6	246.8	11.9	18.7	72.5
	-16.0		121.8	73.4	.17S	.99T	332.7	19.2	.49D	.87T	129.5	27.8	34.6	9.3	287.8	60.5
	12.8		115.2	45.1	.23S	.97T	313.6	46.4	.22D	.97T	304.5	.7	34.6	9.3	210.5	80.7

CONE A 49 EXA .65 CONE C 35 EXC .33 CONE B 60 EXB .49

365

OCTOBER 3, 1954 H = 11.18.46 60.5N 151W DEPTH 100 KM. M = 6.7

HODGSON, J.H. AND COCK, J.I. 1958 PUB. DOM. OBS., 19, 223.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		91-15	225	77			126	52					149	49		
	83.2	89-16-14	120.0	51.7	.96S	.28N	220.4	77.2	.77D	.64N	357.6	36.5	145.4	48.8	255.0	16.4
			120.0	51.5	.96S	.28N	220.5	77.1	.77D	.64N	357.8	36.7	145.6	48.6	255.1	16.4
ROTATION ABOUT A,C,B AXIS																
	-7.0		120.0	51.5	.92S	.40N	225.2	71.8	.76D	.65N	359.8	41.3	155.0	45.9	258.4	12.7
	10.2		120.0	51.5	.99S	.11N	214.0	85.0	.78D	.62N	354.3	30.1	130.2	51.1	250.6	22.2
	-0.1		120.0	51.4	.96S	.29N	220.5	77.1	.77D	.64N	357.8	36.8	145.5	48.5	255.0	16.5
	8.0		122.7	59.2	.97S	.26N	220.5	77.1	.85D	.52N	355.7	31.3	150.4	56.1	258.5	11.8
	-0.4		120.5	51.4	.96S	.28N	220.8	77.4	.77D	.64N	358.3	36.6	145.6	48.6	255.5	16.7
	4.8		114.3	53.0	.94S	.34N	216.7	74.1	.78D	.63N	352.1	38.3	145.6	48.6	251.3	13.4
			CONE A		6 EXA	.36	CONE C		9 EXC	.70			CONE B		12 EXB	.53

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	83.6	89-17-14	126.7	23.1	.95S	.30T	20.7	83.3	.38D	.93T	1.8	34.6	108.0	22.0	223.8	47.1
			264.1	6.9	.95D	.30T	11.4	87.9	.11S	.99T	17.7	42.5	281.6	6.6	184.5	46.7
ROTATION ABOUT A,C,B AXIS																
	-5.4		264.1	6.9	.98D	.21T	6.0	88.6	.12S	.99T	12.6	43.2	276.2	6.8	179.1	46.0
	5.4		264.1	6.9	.92D	.39T	16.7	87.3	.11S	.99T	22.8	42.0	287.0	6.4	190.0	47.3
	-44.8		104.0	38.2	1.00S	.06T	11.4	87.9	.62D	.79T	340.3	32.0	99.7	38.2	223.9	35.5
	51.2		280.1	57.8	1.00D	.04T	11.4	87.9	.85S	.53T	51.0	20.6	284.6	57.7	150.5	23.8
	-9.6		220.7	13.4	.50D	.87T	10.2	78.4	.12S	.99T	15.9	33.1	281.6	6.6	181.7	56.1
	.2		265.7	6.9	.96D	.27T	11.4	88.1	.11S	.99T	17.7	42.7	281.6	6.6	184.6	46.5
			CONE A		31 EXA	.90	CONE C		10 EXC	.09			CONE B		32 EXB	.89

WITH ADDITIONAL DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	83.5	112-21-18	143.1	72.8	.93S	.36N	239.6	70.0	.95D	.31N	10.8	26.8	195.5	63.1	101.8	1.9
			142.4	72.3	.93S	.38N	239.5	68.8	.95D	.33N	10.2	28.0	195.8	61.9	101.4	2.3
ROTATION ABOUT A,C,B AXIS																
	-3.8		142.4	72.3	.90S	.44N	240.9	65.3	.94D	.33N	10.1	30.7	200.5	58.9	102.8	4.6
	3.0		142.4	72.3	.94S	.33N	238.5	71.7	.95D	.32N	10.4	25.9	191.4	64.1	100.6	.4
	-0.4		142.2	71.9	.93S	.38N	239.5	68.8	.94D	.33N	10.3	28.3	195.2	61.6	101.4	2.1
	2.0		143.2	74.2	.93S	.38N	239.5	68.8	.96D	.29N	10.2	26.6	199.2	63.1	102.0	3.6
	-0.6		143.0	72.1	.93S	.38N	240.1	69.0	.94D	.33N	10.8	28.0	195.8	61.9	101.9	2.1
	.8		141.6	72.6	.92S	.38N	238.7	68.6	.95D	.32N	9.4	28.0	195.8	61.9	100.8	2.7
			CONE A		2 EXA	.42	CONE C		3 EXC	.79			CONE B		4 EXB	.65

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
83.1	112-20-18	122.4	52.9	.97S	.25N	221.2	78.5	.79D	.61N	358.7	34.5	145.6	50.6	256.8	16.6
		124.2	51.6	.97S	.25N	223.3	78.7	.77D	.63N	1.3	35.3	146.9	49.4	258.5	17.5
ROTATION ABOUT A,C,B AXIS															
-8.6		124.2	51.6	.92S	.39N	229.0	72.1	.76D	.65N	3.8	41.1	158.7	46.1	262.4	12.8
11.8		124.2	51.6	1.00S	.05N	215.9	87.9	.78D	.62N	357.2	27.7	128.6	51.5	253.4	24.4
-0.1		124.2	51.5	.97S	.25N	223.3	78.7	.77D	.63N	1.3	35.3	146.8	49.3	258.4	17.5
8.0		126.5	59.4	.97S	.23N	223.3	78.7	.85D	.52N	359.2	29.9	151.3	56.9	261.7	12.8
-0.4		124.7	51.5	.97S	.25N	223.6	78.9	.77D	.63N	1.7	35.1	146.9	49.4	258.7	17.7
3.6		119.8	52.6	.96S	.30N	220.5	76.4	.78D	.62N	357.1	36.5	146.9	49.4	255.4	15.2
		CONE A	6 EXA	.51		CONE C	9 EXC	.80				CONE B	13 EXB	.60	

366
OCTOBER 3, 1954 H = 23.21.35 1.5S 127.5E DEPTH NORMAL
RITSEMA, A.R. 1956 LEM. MET. GEOFIS. VER. NO. 50.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		25	20	87			290	80								
	96.7	25-2-1	15.8	84.9	1.00S	.05T	285.6	87.3	1.00D	.09T	240.8	1.7	347.8	84.2	150.6	5.5
			17.0	86.0	1.00S	.04T	286.9	87.9	1.00D	.07T	241.9	1.3	349.1	85.5	151.8	4.3
ROTATION ABOUT A,C,B AXIS																
-11.8			17.0	86.0	.97S	.24T	286.0	76.1	1.00D	.07T	60.8	6.9	302.8	75.5	152.4	12.7
.2			17.0	86.0	1.00S	.03T	286.9	88.1	1.00D	.07T	241.8	1.5	351.3	85.5	151.7	4.2
-0.3			17.0	86.3	1.00S	.04T	286.9	87.9	1.00D	.06T	241.8	1.1	347.2	85.7	151.7	4.1
1.2			17.1	84.8	1.00S	.04T	286.9	87.9	1.00D	.09T	241.9	2.2	354.8	84.4	151.7	5.2
-0.4			17.4	86.0	1.00S	.04T	287.3	87.8	1.00D	.07T	243.0	1.3	349.1	85.5	152.9	4.3
.6			16.4	86.0	1.00S	.04T	286.3	87.9	1.00D	.07T	241.9	1.3	349.1	85.5	151.8	4.3
			CONE A	1 EXA	.33		CONE C	3 EXC	.92				CONE B	4 EXB	.88	

367
NOVEMBER 2, 1954 H = 08.24.10 8.0S 119.0E DEPTH NORMAL M = 6.6
RITSEMA, A.R. 1956 LEM. MET. GEOFIS. VER. NO. 50.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		40	271	87			2	74								
	77.5	40-10-8	341.5	63.6	1.00S	.03T	250.7	88.5	.90D	.44T	209.2	17.2	337.7	63.6	112.9	19.4
			339.4	62.4	1.00S	.02T	248.8	88.8	.89D	.46T	207.5	18.2	336.5	62.4	110.6	20.1
ROTATION ABOUT A,C,B AXIS																
-2.6			339.4	62.4	1.00S	.07T	247.6	86.5	.89D	.46T	206.8	16.5	330.9	62.1	110.0	21.8
.8			339.4	62.4	1.00S	.01T	249.2	89.5	.89D	.46T	207.7	18.8	338.2	62.4	110.8	19.5
-2.0			339.4	64.4	1.00S	.02T	248.8	88.8	.90D	.43T	207.0	16.9	336.2	64.3	111.1	18.7
5.6			339.6	56.8	1.00S	.03T	248.8	88.8	.84D	.55T	209.2	21.9	336.9	56.8	109.0	23.7
-4.8			344.8	62.6	1.00S	.07T	253.0	86.6	.89D	.46T	212.2	16.4	336.5	62.4	115.5	21.6
4.0			334.9	62.4	1.00S	.01N	65.2	89.4	.89D	.46N	203.6	19.6	336.5	62.4	106.6	18.7
			CONE A	8 EXA	.14		CONE C	5 EXC	.61				CONE B	5 EXB	.55	

368

NOVEMBER 19, 1954 H = 05.56.03 41.2N 131.8E DEPTH 500 KM. M = 6.8

ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA		93	279	71			125	22					193	9		
	93.8	93-5-5	277.8	70.5	.16S	.99T	124.3	21.6	.42D	.91T	285.2	24.9	191.0	8.9	82.8	63.3
			278.1	70.7	.17S	.99T	125.6	21.5	.44D	.90T	285.6	25.1	191.3	9.2	82.7	63.0
ROTATION ABOUT A,C,B AXIS																
	-11.8		278.1	70.7	.04D	1.00T	91.9	19.4	.10S	.99T	276.5	25.7	7.4	1.9	101.3	64.2
	5.4		278.1	70.7	.26S	.97T	137.4	24.4	.60D	.80T	289.8	24.2	193.2	14.3	75.3	61.4
	-2.4		275.6	71.1	.18S	.98T	125.6	21.5	.47D	.88T	283.8	25.4	189.0	10.0	79.2	62.4
	1.2		279.3	70.5	.16S	.99T	125.6	21.5	.42D	.91T	286.6	24.9	192.5	8.8	84.5	63.3
	-0.4		278.1	71.1	.17S	.99T	126.0	21.2	.44D	.90T	285.7	25.5	191.3	9.2	83.0	62.7
	1.2		277.8	69.5	.17S	.99T	124.2	22.6	.42D	.91T	285.4	23.9	191.3	9.2	81.7	64.2
			CONE A		2 EXA	.56	CONE C		5 EXC	.91			CONE B		8 EXB	.79

WITH ADDITIONAL DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE
OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
90.9	108-10-9	278.3	70.9	.09S	1.00T	114.1	19.8	.26D	.97T	282.4	25.7	190.0	5.0	89.8	63.7
		278.4	71.0	.10S	1.00T	114.7	19.7	.27D	.96T	282.7	25.8	190.2	5.2	89.6	63.6
ROTATION ABOUT A,C,B AXIS															
-7.0		278.4	71.0	.03D	1.00T	93.6	19.1	.08S	1.00T	277.2	26.0	7.9	1.5	101.0	64.0
8.6		278.4	71.0	.24S	.97T	135.9	23.5	.58D	.82T	289.2	24.7	193.0	13.3	77.2	61.5
-2.8		275.4	71.3	.11S	.99T	114.7	19.7	.31D	.95T	280.5	26.0	187.5	6.1	85.3	63.2
0		278.4	71.0	.10S	1.00T	114.7	19.7	.27D	.96T	282.7	25.8	190.2	5.2	89.6	63.6
-2.4		278.6	73.4	.09S	1.00T	116.9	17.4	.30D	.95T	283.0	28.2	190.2	5.2	90.7	61.2
.1		278.4	70.9	.10S	1.00T	114.6	19.8	.26D	.96T	282.7	25.7	190.2	5.2	89.6	63.7
		CONE A		3 EXA	.11	CONE C		6 EXC	.84			CONE B		7 EXB	.82

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
90.2	108-9-9	98.1	13.7	.04S	1.00T	280.7	76.3	.01D	1.00T	280.2	31.3	10.6	.6	101.6	58.7
		118.2	18.0	.30D	.95T	279.9	72.8	.10S	1.00T	284.3	27.6	191.5	5.3	91.5	61.8
ROTATION ABOUT A,C,B AXIS															
-4.6		118.2	18.0	.38D	.93T	275.1	73.3	.12S	.99T	280.7	28.0	187.1	6.7	84.8	61.1
.8		118.2	18.0	.29D	.96T	280.7	72.7	.09S	1.00T	285.0	27.5	192.3	5.1	92.7	61.9
-8.0		91.8	17.3	.13S	.99T	279.9	72.8	.04D	1.00T	278.0	27.8	9.2	2.3	103.6	62.1
7.2		137.4	21.3	.58D	.81T	279.9	72.8	.22S	.98T	289.9	26.7	193.7	12.2	81.5	60.2
-0.8		117.5	18.8	.29D	.96T	279.8	72.0	.10S	1.00T	284.2	26.8	191.5	5.3	91.2	62.6
5.6		125.8	12.8	.42D	.91T	280.4	78.4	.09S	1.00T	285.0	33.2	191.5	5.3	93.5	56.3
		CONE A		10 EXA	.58	CONE C		6 EXC	.16			CONE B		9 EXB	.64

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* DECEMBER 16, 1954 H = 11.07.10 39.5N 118W DEPTH NORMAL M = 7.1
ROMNEY, C. 1957 BULL. SEIS. SOC. AM., 47, 301.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ROMNEY			335	66			79	62								
	79.9	56-11-10	331.5	60.1	.73S	.68N	86.4	53.8	.79D	.62N	205.7	50.4	33.3	39.4	300.2	3.7
			331.5	60.1	.73S	.68N	86.2	54.0	.79D	.62N	205.8	50.2	33.1	39.6	300.1	3.6
ROTATION ABOUT A,C,B AXIS																
	-2.2		331.5	60.1	.71S	.71N	87.9	52.2	.78D	.63N	205.4	51.7	34.9	37.9	301.3	4.6
	1.8		331.5	60.1	.76S	.66N	84.9	55.4	.80D	.61N	205.9	49.0	31.6	40.9	299.2	2.8
	-9.6		323.4	53.3	.68S	.73N	86.2	54.0	.67D	.74N	205.3	57.0	24.4	33.0	114.7	.4
	11.2		339.6	68.6	.77S	.63N	86.2	54.0	.89D	.45N	207.5	42.4	45.5	46.2	305.9	9.1
	-1.4		332.7	59.2	.74S	.67N	87.5	54.8	.78D	.63N	207.8	50.3	33.1	39.6	300.9	2.6
	.5		331.1	60.5	.73S	.68N	85.7	53.7	.79D	.61N	204.9	50.1	33.1	39.6	299.7	4.0
			CONE A	6 EXA	.91		CONE C	3 EXC	.52				CONE B	9 EXB	.81	

370
* DECEMBER 23, 1954 H = 16.27.17 30N 21E DEPTH 25 KM. M = 5.7
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	100.0	11-0	339.6	36.5	.55S	.84T	198.9	60.2	.38D	.93T	183.1	12.5	277.5	19.1	61.7	66.9
			339.6	36.4	.55S	.84T	198.7	60.3	.37D	.93T	182.9	12.7	277.3	18.9	61.0	67.0
ROTATION ABOUT A,C,B AXIS																
	-13.4		339.6	36.4	.34S	.94T	183.6	56.1	.24D	.97T	173.6	10.1	265.7	11.6	43.6	74.5
	37.4		339.6	36.4	.94S	.33T	233.7	78.6	.57D	.82T	207.2	25.4	315.9	34.0	88.6	45.2
	-32.0		308.5	59.3	.82S	.58T	198.7	60.3	.81D	.59T	163.8	.6	254.4	44.6	73.2	45.4
	14.4		3.7	30.6	.22S	.97T	198.7	60.3	.13D	.99T	193.1	15.0	284.9	6.6	38.0	73.6
	-16.0		350.8	50.4	.42S	.91T	206.9	45.7	.45D	.89T	8.1	2.5	277.3	18.9	105.3	70.9
	16.0		318.1	24.4	.79S	.62T	192.5	75.2	.34D	.94T	177.0	27.6	277.3	18.9	37.3	55.6
			CONE A	39 EXA	.31		CONE C	40 EXC	.37				CONE B	49 EXB	.09	

371
* JANUARY 3, 1955 H = 01.07.04 39N 21.8E DEPTH 25 KM.
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	100.0	12-0	285.5	49.0	.82S	.57T	171.0	64.5	.69D	.73T	141.6	9.2	238.9	38.3	40.4	50.2
			285.5	49.0	.82S	.57T	171.0	64.5	.69D	.73T	141.6	9.2	238.9	38.3	40.4	50.2
ROTATION ABOUT A,C,B AXIS																
	-0.4		285.5	49.0	.82S	.58T	170.7	64.2	.68D	.73T	141.4	9.0	238.5	38.1	40.3	50.5
	3.0		285.5	49.0	.85S	.53T	173.4	66.6	.70D	.72T	143.2	10.6	242.2	39.9	41.2	48.2
	-19.2		273.6	65.4	.88S	.47T	171.0	64.5	.89D	.46T	312.2	.6	221.4	53.2	42.6	36.8
	32.0		326.0	27.8	.38S	.92T	171.0	64.5	.20D	.98T	162.6	18.7	256.1	10.2	13.3	68.5
	-0.5		286.1	49.3	.82S	.58T	171.4	64.1	.69D	.72T	141.9	8.8	238.9	38.3	41.2	50.3
	4.8		280.1	46.4	.86S	.52T	167.5	68.0	.67D	.74T	138.5	12.9	238.9	38.3	33.4	48.8
			CONE A	16 EXA	.90		CONE C	4 EXC	.36				CONE B	13 EXB	.93	

372

JANUARY 5, 1955 H = 17.48.35 16S 167.5E DEPTH NORMAL M = 6.7

HODGSON, J.H. AND COCK, J.I. 1958 PUB. DOM. OBS., 19, 223.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		49-6	57	89			146	56					144	56		
	80.5	49-12-9	17.6	73.6	1.00S	.02N	108.0	88.7	.96D	.28N	244.0	12.5	22.4	73.5	151.6	10.6
			18.1	73.2	1.00S	.02N	108.5	88.7	.96D	.29N	244.4	12.7	22.7	73.2	152.0	10.8
ROTATION ABOUT A,C,B AXIS																
	-2.2		18.1	73.2	1.00S	.06N	109.1	86.6	.96D	.29N	244.8	14.2	30.2	72.9	152.4	9.3
	4.6		18.1	73.2	1.00S	.06T	287.2	86.9	.96D	.29T	243.7	9.6	6.9	72.9	151.3	14.0
	-0.5		18.1	72.7	1.00S	.02N	108.5	88.7	.95D	.30N	244.6	13.0	22.6	72.7	151.9	11.2
	1.6		18.1	74.8	1.00S	.02N	108.5	88.7	.97D	.26N	244.3	11.6	23.2	74.8	152.3	9.7
	-8.0		26.5	73.2	1.00S	.02T	296.2	89.0	.96D	.29T	252.4	11.1	22.7	73.2	159.9	12.5
	4.8		13.1	73.4	1.00S	.05N	103.9	87.3	.96D	.29N	239.5	13.6	22.7	73.2	147.2	9.7
			CONE A		5 EXA	.84	CONE C		9 EXC	.47			CONE B		4 EXB	.69

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	80.3	49-11-9	37.3	82.6	.99S	.13N	128.2	82.8	.99D	.13N	262.8	10.3	82.0	79.7	172.8	.1
			46.3	72.5	.77S	.64N	150.4	52.3	.92D	.38N	271.5	40.2	116.5	47.0	12.5	12.7
ROTATION ABOUT A,C,B AXIS																
	-2.2		46.3	72.5	.74S	.67N	151.5	50.3	.92D	.39N	271.0	41.6	117.9	45.1	13.6	13.8
	31.0		46.3	72.5	.99S	.15N	139.0	81.5	.95D	.30N	273.7	18.5	73.8	70.4	181.6	6.2
	-1.4		45.4	71.4	.76S	.65N	150.4	52.3	.92D	.40N	271.2	41.1	114.7	46.4	11.9	11.9
	19.2		58.5	87.5	.79S	.61N	150.4	52.3	1.00D	.05N	277.7	27.6	145.3	52.2	20.9	23.7
	-2.0		47.9	71.2	.77S	.63N	152.7	53.1	.92D	.40N	274.1	40.8	116.5	47.0	14.1	11.4
	3.6		43.5	74.8	.76S	.65N	146.1	51.0	.94D	.34N	267.1	39.1	116.5	47.0	9.7	15.1
			CONE A		11 EXA	.73	CONE C		14 EXC	.83			CONE B		26 EXB	.38

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	79.5	49-12-9	21.6	58.5	.99S	.15N	116.1	82.8	.85D	.53N	253.5	27.3	37.5	57.5	154.8	16.3
			357.2	30.2	.49S	.87N	144.3	64.0	.27D	.96N	294.5	67.1	61.4	14.2	156.0	17.5
ROTATION ABOUT A,C,B AXIS																
	-63.0		357.2	30.2	.56D	.83N	214.9	65.3	.31S	.95N	66.0	65.1	297.3	16.2	201.8	18.4
	63.0		357.2	30.2	1.00S	.04T	265.3	88.9	.50D	.86T	239.0	36.7	354.6	30.1	112.3	38.7
	-64.0		255.8	53.1	.84D	.55N	144.3	64.0	.74S	.67N	15.1	47.2	208.2	42.0	112.2	6.6
	64.0		49.8	80.9	.90S	.44N	144.3	64.0	.98D	.18N	274.1	25.0	122.1	62.2	9.5	11.4
	-32.0		81.4	15.1	.94S	.33T	332.7	85.1	.25D	.97T	319.8	38.5	61.4	14.2	167.7	48.0
	11.2		348.8	40.3	.38S	.93N	140.5	53.3	.31D	.95N	267.7	74.2	61.4	14.2	153.1	6.7
			CONE A		74 EXA	.66	CONE C		74 EXC	.66			CONE B		127 EXB	.02

373
JANUARY 13, 1955 H = 02.03.43 53N 167.5W DEPTH NORMAL M = 6.7
HODGSON, J.H. AND COCK, J.I. 1958 PUB. DOM. OBS., 19, 223.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		78-15	51	74			142	86					66	73		
	79.6	78-18-15	339.3	74.0	.84S	.53N	79.2	59.1	.95D	.32N	205.3	34.0	45.7	54.3	301.9	9.7
			339.3	74.1	.82S	.57N	80.0	57.0	.95D	.33N	204.9	35.4	47.6	52.4	302.9	11.0
ROTATION ABOUT A,C,B AXIS																
	-1.4		339.3	74.1	.81S	.59N	80.6	55.7	.94D	.33N	204.7	36.3	48.6	51.2	303.5	11.8
	3.8		339.3	74.1	.86S	.51N	78.6	60.6	.95D	.31N	205.6	32.7	44.5	55.8	301.3	8.8
	-1.4		338.5	72.9	.82S	.57N	80.0	57.0	.94D	.35N	204.8	36.3	45.6	51.8	302.4	10.2
	0		339.3	74.1	.82S	.57N	80.0	57.0	.95D	.33N	204.9	35.4	47.6	52.4	302.9	11.0
	-1.0		340.2	73.5	.83S	.56N	81.1	57.3	.94D	.34N	206.2	35.6	47.6	52.4	303.8	10.4
	0		339.3	74.1	.82S	.57N	80.0	57.0	.95D	.33N	204.9	35.4	47.6	52.4	302.9	11.0

CONE A 1 EXA .29 CONE C 2 EXC .81 CONE B 3 EXB .73

374
JANUARY 17, 1955 H = 02.21.46 35.5N 140.4E DEPTH 80 KM
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA		28	163	80			258	60					236	57		
	95.7	28-1-1	245.0	57.6	.99S	.11N	338.5	84.5	.84D	.54N	116.7	26.5	257.0	57.0	17.3	18.1
			244.9	57.7	.99S	.11N	338.4	84.6	.84D	.54N	116.6	26.3	256.8	57.2	17.3	18.1
ROTATION ABOUT A,C,B AXIS																
	-11.8		244.9	57.7	.95S	.31N	344.9	74.7	.83D	.55N	119.5	34.4	276.6	53.4	21.8	11.0
	1.0		244.9	57.7	1.00S	.09N	337.8	85.4	.84D	.54N	116.3	25.8	255.0	57.3	16.9	18.7
	-38.4		233.1	19.9	.96S	.28N	338.4	84.6	.33D	.94N	138.5	47.0	250.3	19.1	355.3	36.7
	28.8		248.0	86.4	1.00S	.09N	338.4	84.6	1.00D	.06N	113.1	6.4	304.5	83.5	203.3	1.3
	-4.8		250.6	57.3	1.00S	.06N	342.4	87.2	.84D	.54N	121.6	24.6	256.8	57.2	21.8	20.3
	.4		244.5	57.8	.99S	.12N	338.0	84.4	.84D	.54N	116.2	26.5	256.8	57.2	16.9	17.9

CONE A 19 EXA .92 CONE C 8 EXC .59 CONE B 29 EXB .81

375
MARCH 14, 1955 H = 13.12.04 52.5N 173.5W DEPTH 100 KM. M = 7
HODGSON, J.H. AND COCK, J.I. 1958 PUB. DOM. OBS., 19, 223.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		73-13	289	70			23	79					321	66		
	81.9	73-15-12	275.7	50.9	.99S	.12N	10.0	84.8	.77D	.63N	150.5	30.7	286.3	50.4	46.3	22.5
			32.8	19.8	.03D	1.00T	211.1	70.2	.01S	1.00T	211.5	25.2	121.3	.5	30.2	64.8
ROTATION ABOUT A,C,B AXIS																
	-31.0		32.8	19.8	.49S	.87T	243.7	72.9	.17D	.98T	235.7	27.2	330.7	9.6	78.4	60.9
	43.8		32.8	19.8	.71D	.70T	165.7	76.3	.25S	.97T	177.3	29.9	79.1	13.9	327.2	56.4
	-44.8		102.7	48.6	.89D	.45T	211.1	70.2	.71S	.70T	242.2	13.2	140.0	42.0	345.7	45.0
	51.2		316.6	53.3	.91S	.42T	211.1	70.2	.77D	.63T	177.3	10.5	278.7	46.7	77.9	41.4
	-3.6		32.5	23.4	.02D	1.00T	211.1	66.6	.01S	1.00T	211.5	21.6	121.3	.5	30.0	68.4
	19.2		75.1	.8	.69D	.72T	211.3	89.4	.01S	1.00T	211.8	44.4	121.3	.5	30.8	45.6

CONE A 47 EXA .76 CONE C 41 EXC .70 CONE B 85 EXB .22

376
MARCH 31, 1955 H = 18.17.12 8N 124E DEPTH 50 KM. M = 7.5
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		46-13	2	74			267	73					312	66		
	67.2	46-13-12	40.9	66.5	.97S	.24T	305.2	77.3	.91D	.41T	264.7	7.3	9.1	62.9	171.1	26.0
			41.4	64.8	.97S	.25T	305.3	77.2	.90D	.44T	265.2	8.3	10.7	61.3	171.0	27.2
ROTATION ABOUT A,C,B AXIS																
	.0		41.4	64.8	.97S	.25T	305.3	77.2	.90D	.44T	265.2	8.3	10.7	61.3	171.0	27.2
	5.4		41.4	64.8	.99S	.15T	307.6	82.0	.90D	.43T	266.9	11.7	21.4	63.4	171.8	23.5
	-4.0		40.4	68.7	.97S	.24T	305.3	77.2	.93D	.37T	264.0	5.7	6.3	64.8	171.4	24.4
	8.0		43.7	57.1	.96S	.26T	305.3	77.2	.83D	.56T	268.2	13.1	17.0	54.1	169.5	32.8
	-1.6		43.1	65.2	.97S	.26T	306.7	76.5	.90D	.43T	266.7	7.5	10.7	61.3	172.7	27.5
	28.8		9.2	61.3	1.00S	.01N	99.6	89.4	.88D	.48N	238.2	20.3	10.7	61.3	140.7	19.4
			CONE A		19 EXA	.61	CONE C		13 EXC	.82			CONF B		B EXB	.55

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	69.1	46-14-13	36.6	67.7	.93S	.37T	298.1	70.2	.91D	.40T	257.8	1.7	350.6	59.4	166.8	30.5
			30.3	54.0	.73S	.68T	271.6	56.5	.71D	.70T	241.4	1.5	332.5	36.3	149.5	53.7
ROTATION ABOUT A,C,B AXIS																
	-15.0		30.3	54.0	.53S	.85T	257.1	46.6	.59D	.81T	52.3	4.0	320.4	25.4	150.7	64.2
	21.4		30.3	54.0	.93S	.37T	287.2	72.6	.79D	.62T	252.5	11.8	356.3	48.8	152.9	38.8
	-19.2		16.4	68.9	.81S	.59T	271.6	56.5	.90D	.43T	51.5	7.8	312.5	48.8	148.1	40.1
	2.8		32.7	52.0	.71S	.70T	271.6	56.5	.67D	.74T	243.0	2.6	334.8	34.2	149.3	55.7
	-19.2		45.3	68.1	.64S	.77T	291.1	44.4	.85D	.53T	73.0	14.0	332.5	36.3	180.4	50.3
	7.2		23.4	49.3	.78S	.63T	265.8	61.7	.67D	.74T	237.2	7.2	332.5	36.3	137.6	52.8
			CONE A		24 EXA	.17	CONE C		31 EXC	.27			CONE B		28 EXB	.40

377
* APRIL 13, 1955 H = 20.45.45 37.2N 22.2E DEPTH 25 KM. M = 5.2
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	84.5	15-3-2	99.1	82.8	.30S	.95T	347.4	18.8	.92D	.39T	114.2	35.5	11.4	17.3	260.2	49.3
			95.8	85.7	.21S	.98T	346.6	12.7	.94D	.34T	106.8	39.5	6.7	12.0	263.1	48.0
ROTATION ABOUT A,C,B AXIS																
	-4.6		95.8	85.7	.13S	.99T	336.1	8.6	.87D	.50T	102.7	40.3	6.4	7.4	267.9	48.8
	11.8		95.8	85.7	.40S	.91T	356.2	24.2	.98D	.18T	116.6	36.3	7.7	23.8	252.3	44.3
	-16.0		80.2	89.2	.22S	.98T	346.6	12.7	1.00D	.06T	92.4	42.8	350.3	12.7	247.6	44.4
	57.6		153.5	77.6	.05S	1.00T	346.6	12.7	.22D	.98T	156.0	32.5	64.2	2.8	329.8	57.3
	-0.2		95.8	85.9	.21S	.98T	347.4	12.7	.95D	.32T	106.9	39.7	6.7	12.0	263.2	47.8
	3.6		95.0	82.2	.21S	.98T	332.8	14.4	.84D	.55T	105.6	36.1	6.7	12.0	261.3	51.3
			CONE A		17 EXA	.95	CONE C		8 EXC	.77			CONE B		35 EXB	.78

378
APRIL 17, 1955 H = 18.35.27 52N 159.2E DEPTH NORMAL M = 6.7
HODGSON, J.H. AND COCK, J.I. 1958 PUB. DOM. OBS., 19, 223.
STEVENS, A.E. 1965 DOCTORAL THESIS, U. OF WESTERN ONTARIO

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STEVENS		S - SOLN.	122	72			279	19			116	27	210	7	313	62
HODGSON		58-13	321	84			52	78					25	77		
	75.7	59-17-13	321.8	89.3	.86S	.51N	52.2	59.4	1.00D	.01N	182.7	21.6	50.6	59.4	281.2	20.6
			124.6	78.2	.08S	1.00T	324.9	12.6	.34D	.94T	128.1	33.1	35.4	4.2	299.0	56.6
ROTATION ABOUT A,C,B AXIS																
	-18.2		124.6	78.2	.24D	.97T	254.2	18.1	.75S	.66T	113.1	31.8	211.7	13.6	321.7	54.7
	56.6		124.6	78.2	.87S	.49T	28.1	61.6	.97D	.23T	163.6	11.1	54.8	58.8	259.8	28.8
	-16.0		108.3	79.8	.13S	.99T	324.9	12.6	.59D	.81T	114.7	34.4	19.7	7.3	279.3	54.6
	12.8		137.6	77.5	.03S	1.00T	324.9	12.6	.12D	.99T	139.0	32.5	48.0	1.5	315.6	57.5
	-9.6		125.3	87.8	.07S	1.00T	7.6	4.8	.88D	.47T	129.3	42.7	35.4	4.2	300.9	47.0
	2.8		124.3	75.4	.08S	1.00T	321.3	15.2	.28D	.96T	127.9	30.3	35.4	4.2	298.3	59.4
			CONE A		19 EXA	.57	CONE C		30 EXC	.83			CONE B		46 EXB	.61

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	74.1	59-17-13	314.5	87.6	.98S	.22N	45.0	77.2	1.00D	.04N	179.2	10.7	34.2	77.0	270.6	7.3
			314.0	87.6	.97S	.23N	44.5	76.9	1.00D	.04N	178.6	10.9	33.9	76.7	270.1	7.5
ROTATION ABOUT A,C,B AXIS																
	-1.4		314.0	87.6	.97S	.25N	44.6	75.5	1.00D	.04N	178.5	11.9	34.9	75.3	270.3	8.5
	1.0		314.0	87.6	.98S	.21N	44.5	77.9	1.00D	.04N	178.7	10.2	33.0	77.7	269.9	6.8
	-2.0		313.5	85.7	.97S	.23N	44.5	76.9	1.00D	.06N	178.2	12.3	25.6	76.2	269.6	6.2
	1.2		314.2	88.8	.97S	.23N	44.5	76.9	1.00D	.02N	178.6	10.0	39.1	76.9	270.1	8.3
	-3.6		317.5	86.8	.97S	.22N	48.2	77.1	1.00D	.06N	182.2	11.4	33.9	76.7	273.6	6.8
	2.8		311.2	88.3	.97S	.23N	41.7	76.8	1.00D	.03N	175.5	10.5	33.9	76.7	267.1	8.1
			CONE A		5 EXA	.50	CONE C		4 EXC	.63			CONE B		3 EXB	.25

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	74.1	59-18-13	149.9	43.7	.80S	.60T	31.5	65.6	.61D	.79T	5.4	12.7	104.0	33.6	257.8	53.5
			150.5	44.3	.80S	.59T	32.7	65.5	.62D	.79T	6.1	12.3	104.6	34.2	259.3	53.1
ROTATION ABOUT A,C,B AXIS																
	0		150.5	44.3	.80S	.59T	32.7	65.5	.62D	.79T	6.1	12.3	104.6	34.2	259.3	53.1
	.8		150.5	44.3	.81S	.58T	33.4	66.0	.62D	.78T	6.6	12.6	105.5	34.6	259.6	52.5
	-32.0		131.2	72.0	.90S	.44T	32.7	65.5	.94D	.34T	170.8	4.3	73.7	58.9	263.4	30.7
	38.4		213.2	24.5	.01D	1.00T	32.7	65.5	0S	1.00T	32.9	20.5	302.8	.2	212.3	69.5
	0		150.5	44.3	.80S	.59T	32.7	65.5	.62D	.79T	6.1	12.3	104.6	34.2	259.3	53.1
	.7		149.7	43.9	.81S	.59T	32.2	66.0	.62D	.79T	5.7	12.8	104.6	34.2	258.3	52.8
			CONE A		7 EXA	.99	CONE C		1 EXC	.12			CONE B		8 EXB	.99

379
* APRIL 19, 1955 H = 16.47.19 39.2N 23E DEPTH 25 KM.
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	91.9	18-2-1	168.4	64.5	.92S	.40T	67.8	68.8	.89D	.46T	28.9	2.8	123.0	55.8	297.0	34.1
			168.4	64.4	.92S	.40T	67.7	68.7	.89D	.46T	28.7	2.8	122.8	55.6	296.8	34.3
ROTATION ABOUT A,C,B AXIS																
	-50.2		168.4	64.4	.28S	.96T	22.1	29.9	.50D	.87T	180.3	17.9	85.5	14.4	318.9	66.7
	15.0		168.4	64.4	.99S	.15T	74.6	82.1	.90D	.44T	34.0	12.0	148.8	63.1	298.7	23.7
	-1.4		167.8	65.7	.92S	.40T	67.7	68.7	.90D	.44T	28.2	2.0	121.2	56.7	296.9	33.2
	9.6		173.1	55.7	.90S	.44T	67.7	68.7	.80D	.60T	33.0	8.1	132.1	47.9	295.9	40.9
	-1.8		170.3	65.2	.91S	.42T	69.4	67.8	.89D	.45T	30.3	1.7	122.8	55.6	299.2	34.3
	0		168.4	64.4	.92S	.40T	67.7	68.7	.89D	.46T	28.7	2.8	122.8	55.6	296.8	34.3
			CONE A		4 EXA	.84		CONE C	11 EXC	.97			CONE B		27 EXB	.83

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	85.5	18-2-2	342.8	56.8	.98S	.19T	246.9	81.1	.83D	.55T	209.1	16.1	323.8	55.3	109.6	29.8
			342.0	58.3	.98S	.18T	246.4	81.0	.85D	.53T	208.1	15.1	322.4	56.7	109.5	28.9
ROTATION ABOUT A,C,B AXIS																
	-1.8		342.0	58.3	.98S	.22T	245.4	79.4	.84D	.54T	207.5	14.0	319.3	56.2	109.2	30.1
	1.8		342.0	58.3	.99S	.15T	247.4	82.5	.85D	.53T	208.8	16.2	325.6	57.2	110.0	27.7
	-12.8		339.6	70.9	.99S	.17T	246.4	81.0	.94D	.33T	204.2	6.9	312.4	68.7	111.6	20.0
	28.8		352.2	30.3	.95S	.31T	246.4	81.0	.49D	.87T	223.0	30.0	331.4	28.6	96.0	46.2
	-1.2		343.4	58.5	.98S	.20T	247.4	80.3	.85D	.53T	209.2	14.5	322.4	56.7	110.9	29.3
	1.2		340.7	58.1	.99S	.17T	245.4	81.6	.84D	.53T	207.0	15.7	322.4	56.7	108.3	28.5
			CONE A		10 EXA	.94		CONE C	3 EXC	.33			CONE B		12 EXB	.91

380
APRIL 19, 1955 H = 20.24.05 30S 72W DEPTH NORMAL M = 7
HODGSON, J.H. AND COCK, J.I. 1958 PUB. DOM. OBS., 19, 223.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		39-5	41	72			305	72					354	64		
	75.5	40-12-8	285.8	80.6	.93S	.38N	19.6	68.0	.98D	.18N	150.8	22.3	354.1	65.9	244.4	8.6
			285.3	80.6	.92S	.38N	19.2	67.7	.98D	.18N	150.3	22.6	353.8	65.6	243.9	8.8
ROTATION ABOUT A,C,B AXIS																
	-1.0		285.3	80.6	.92S	.40N	19.4	66.7	.98D	.18N	150.1	23.3	354.7	64.7	244.2	9.4
	1.0		285.3	80.6	.93S	.37N	19.0	68.7	.98D	.18N	150.4	21.9	352.8	66.5	243.7	8.1
	-0.6		285.0	80.0	.92S	.39N	19.2	67.7	.98D	.19N	150.2	23.0	352.5	65.3	243.8	8.4
	.3		285.4	80.8	.92S	.38N	19.2	67.7	.99D	.17N	150.3	22.4	354.5	65.7	244.0	9.0
	-4.8		289.8	78.7	.93S	.37N	24.2	68.6	.98D	.21N	155.4	23.3	353.8	65.6	248.4	6.9
	4.0		281.5	82.1	.92S	.39N	14.9	67.1	.99D	.15N	146.0	21.9	353.8	65.6	240.2	10.3
			CONE A		3 EXA	.90	CONE C		4 EXC	.77			CONE B		1 EXB	.55

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	70.2	40-13-9	215.6	59.9	.93S	.37N	316.7	71.6	.85D	.53N	89.4	35.4	253.6	53.6	354.0	7.6
			202.2	41.5	.89S	.45N	313.0	72.6	.62D	.78N	92.2	47.8	236.3	36.3	340.6	18.5
ROTATION ABOUT A,C,B AXIS																
	-2.6		202.2	41.5	.87S	.49N	315.1	71.0	.61D	.79N	93.5	49.4	239.2	35.3	342.0	17.4
	.2		202.2	41.5	.89S	.45N	312.8	72.7	.62D	.78N	92.1	47.7	236.0	36.3	340.3	18.6
	-102.4		51.2	65.4	.94D	.33N	313.0	72.6	.90S	.44N	180.5	30.4	11.3	59.1	273.3	4.8
	32.0		216.8	71.2	.95S	.32N	313.0	72.6	.94D	.34N	85.2	26.1	262.8	63.9	354.7	.9
	0		202.2	41.5	.89S	.45N	313.0	72.6	.62D	.78N	92.2	47.8	236.3	36.3	340.6	18.5
	1.6		200.1	42.3	.88S	.48N	311.9	71.3	.62D	.78N	90.0	48.5	236.3	36.3	339.5	17.2
			CONE A		15 EXA	.99	CONE C		2 EXC	.43			CONE B		19 EXB	.98

381
* APRIL 21, 1955 H = 07.18.17 39.5N 23E DEPTH 25.KM. M = 5.9
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	94.5	12-1	280.4	63.5	.71S	.70N	34.2	51.0	.82D	.57N	151.1	49.5	346.1	39.5	249.9	7.4
			280.5	63.5	.69S	.72N	35.4	49.7	.81D	.58N	150.9	50.5	347.4	38.3	250.9	8.1
ROTATION ABOUT A,C,B AXIS																
	-18.2		280.5	63.5	.43S	.90N	53.5	36.1	.65D	.76N	141.6	62.4	358.4	22.7	262.0	14.8
	18.2		280.5	63.5	.88S	.47N	23.8	65.1	.87D	.49N	152.6	37.8	330.5	52.2	61.8	1.0
	-16.0		266.1	53.2	.59S	.81N	35.4	49.7	.62D	.79N	147.8	61.7	332.4	28.2	241.4	1.9
	38.4		127.1	88.0	.76S	.65T	35.4	49.7	1.00D	.05T	163.9	25.7	39.5	49.6	269.2	28.8
	-16.0		294.3	52.6	.78S	.63N	50.4	60.1	.71D	.70N	176.4	51.4	347.4	38.3	80.9	4.4
	16.0		269.1	75.5	.64S	.77N	15.9	41.9	.93D	.37N	128.7	44.7	347.4	38.3	240.3	20.4
			CONE A		42 EXA	.41	CONE C		34 EXC	.12			CONE B		44 EXB	.33

382
MAY 14, 1955 H = 06.04.14 28N 139.5E DEPTH 500 KM. M = 6.8
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA		72	169	51			60	70					129	44		
	91.1	72-9-9	59.6	79.0	.79S	.61N	158.0	52.9	.97D	.24N	282.0	34.1	135.8	50.8	23.9	16.9
			58.3	78.1	.79S	.61N	157.4	53.1	.97D	.26N	281.2	34.8	133.5	50.6	22.8	16.2
ROTATION ABOUT A,C,B AXIS																
	-31.0		58.3	78.1	.36S	.93N	176.3	24.2	.86D	.50N	263.0	52.3	143.8	20.7	41.2	30.0
	6.2		58.3	78.1	.85S	.52N	155.6	59.2	.97D	.24N	282.7	30.5	129.8	56.5	20.3	12.5
	-2.8		56.6	75.9	.79S	.62N	157.4	53.1	.95D	.30N	280.4	36.6	129.4	49.7	21.5	14.6
	4.8		61.3	81.9	.80S	.61N	157.4	53.1	.98D	.18N	282.6	31.6	140.8	52.0	24.8	18.9
	-1.4		59.5	77.3	.79S	.61N	159.1	53.5	.96D	.27N	282.7	35.2	133.5	50.6	23.9	15.4
	4.0		55.1	80.6	.78S	.62N	152.5	52.2	.98D	.21N	276.6	33.3	133.5	50.6	19.4	18.5
			CONE A		6 EXA	.29	CONE C		14 EXC	.85			CONE B		17 EXB	.80

WITH ADDITIONAL DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE
OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
89.3	111-13-13	59.6	77.4	.85S	.53N	157.3	58.9	.97D	.25N	284.2	31.3	130.3	55.9	21.7	12.2
		58.9	80.0	.77S	.64N	157.2	50.8	.97D	.22N	280.2	34.8	137.2	49.0	24.0	18.9
ROTATION ABOUT A,C,B AXIS															
-31.0		58.9	80.0	.33S	.95N	175.7	21.4	.88D	.48N	260.7	51.3	145.5	18.8	43.0	32.4
21.4		58.9	80.0	.95S	.32N	152.3	71.8	.98D	.18N	284.5	20.2	121.5	69.0	16.6	5.6
-6.4		54.7	75.1	.76S	.65N	157.2	50.8	.94D	.33N	278.1	38.9	128.1	47.0	21.0	15.4
3.6		61.2	82.7	.77S	.64N	157.2	50.8	.99D	.16N	281.6	32.4	142.6	49.9	25.6	20.9
-2.8		61.1	78.2	.77S	.64N	160.7	51.5	.97D	.26N	283.4	35.8	137.2	49.0	26.3	17.2
2.8		56.8	81.8	.76S	.65N	153.7	50.2	.98D	.19N	277.1	33.6	137.2	49.0	21.6	20.6
		CONE A		7 EXA	.44	CONE C		17 EXC	.89			CONE B		23 EXB	.81

383
MAY 17, 1955 H = 14.40.49 6.5N 94E DEPTH NORMAL M = 7.2
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		52-12	27	88			296	76					304	76		
	81.9	52-13-9	13.0	68.8	.94S	.35T	275.3	70.7	.92D	.38T	234.5	1.3	326.7	60.7	143.7	29.3
			14.2	68.5	.93S	.36T	276.1	70.2	.92D	.39T	235.3	1.1	327.3	60.1	144.7	29.9
ROTATION ABOUT A,C,B AXIS																
-0.8			14.2	68.5	.93S	.38T	275.7	69.4	.92D	.39T	235.2	.6	326.2	59.5	144.8	30.5
.8			14.2	68.5	.94S	.35T	276.4	70.9	.92D	.39T	235.7	1.6	328.5	60.6	144.8	29.3
-2.4			13.3	70.8	.93S	.36T	276.1	70.2	.94D	.35T	54.6	.4	323.9	61.8	144.9	28.2
6.4			16.8	62.6	.92S	.38T	276.1	70.2	.87D	.49T	237.8	4.9	334.9	55.1	144.4	34.4
-0.5			14.7	68.7	.93S	.37T	276.6	70.0	.92D	.39T	235.8	.9	327.3	60.1	145.3	29.9
3.6			10.6	67.3	.94S	.34T	272.6	71.6	.91D	.41T	232.3	2.8	327.3	60.1	140.7	29.7
			CONE A		6 EXA	.53	CONE C		3 EXC	.61			CONE B		4 EXB	.82

384
MAY 29, 1955 H = 15.34.04 10S 110.5E DEPTH NORMAL M = 6.5
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		23-5	295	72			30	74					339	66		
	79.2	23-4-4	247.6	83.8	.93S	.36N	340.0	69.0	.99D	.12N	111.9	19.3	322.0	68.0	205.5	10.2
			248.6	83.7	.93S	.36N	341.0	69.0	.99D	.12N	112.8	19.3	322.6	68.0	206.4	10.1
ROTATION ABOUT A,C,B AXIS																
	-1.4		248.6	83.7	.92S	.38N	341.2	67.6	.99D	.12N	112.7	20.3	323.7	66.7	206.8	11.0
	.4		248.6	83.7	.94S	.35N	341.0	69.4	.99D	.12N	112.9	19.0	322.3	68.4	206.3	9.8
	-1.2		248.2	82.5	.93S	.36N	341.0	69.0	.99D	.14N	112.8	20.2	319.6	67.6	206.3	9.3
	.7		248.8	84.3	.93S	.36N	341.0	69.0	.99D	.11N	113.0	18.9	324.4	68.2	206.7	10.5
	-3.2		251.6	82.5	.94S	.35N	344.4	69.4	.99D	.14N	116.3	19.9	322.6	68.0	209.6	9.0
	3.6		245.2	85.0	.93S	.37N	337.2	68.6	1.00D	.09N	109.1	18.6	322.6	68.0	202.9	11.3
			CONE A	4 EXA	.72		CONE C	3 EXC	.74				CONE B	2 EXB	.05	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	75.0	23-5-4	292.7	72.6	.97S	.22N	26.6	77.7	.95D	.31N	160.3	21.2	330.1	68.5	69.0	3.5
			281.0	73.7	.97S	.26N	15.3	75.5	.96D	.29N	148.3	22.1	324.8	67.9	57.8	1.2
ROTATION ABOUT A,C,B AXIS																
	-11.8		281.0	73.7	.89S	.45N	19.1	64.2	.95D	.31N	147.8	30.4	342.0	58.8	241.5	6.3
	1.0		281.0	73.7	.97S	.24N	15.0	76.5	.96D	.29N	148.3	21.4	322.7	68.5	57.6	1.9
	-0.1		280.9	73.6	.97S	.26N	15.3	75.5	.96D	.29N	148.3	22.2	324.6	67.8	57.8	1.3
	2.4		281.6	76.0	.97S	.26N	15.3	75.5	.97D	.25N	148.3	20.4	329.4	69.6	238.5	.3
	-1.8		282.8	73.2	.97S	.25N	17.1	76.0	.95D	.30N	150.3	22.0	324.8	67.9	59.5	1.9
	32.0		250.0	83.9	.93S	.36N	342.4	68.8	.99D	.11N	114.3	19.3	324.8	67.9	208.0	10.4
			CONE A	9 EXA	.93		CONE C	21 EXC	.62				CONE B	6 EXB	.80	

385
MAY 30, 1955 H = 12.31.41 24.5N 142.5E DEPTH 600 KM. M = 7.2
HODGSON, J.H. AND COCK, J.I. 1958 PUB. DOM. OBS., 19, 223.
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		90-20	250	90			340	35					339	35		
	76.6	90-22-20	259.9	83.9	.57S	.82N	358.7	35.0	.98D	.19N	111.9	40.9	345.7	34.3	232.2	30.3
			284.0	85.4	.21D	.98N	173.1	12.7	.93S	.36N	91.3	48.3	194.9	11.8	294.7	39.3
ROTATION ABOUT A,C,B AXIS																
	-31.0		284.0	85.4	.68D	.73N	189.0	43.0	.99S	.12N	68.0	35.0	198.2	42.7	316.8	27.4
	37.4		284.0	85.4	.43S	.90N	23.4	25.9	.98D	.18N	129.0	43.8	11.8	25.5	262.0	35.4
	-4.0		280.0	86.3	.21D	.98N	173.1	12.7	.95S	.30N	87.3	47.4	190.8	12.1	291.2	40.1
	25.6		309.3	80.8	.15D	.99N	173.1	12.7	.68S	.73N	118.9	53.4	220.7	8.6	316.8	35.2
	-6.4		282.6	79.2	.21D	.98N	151.2	16.1	.74S	.68N	88.0	54.3	194.9	11.8	292.7	33.2
	9.6		105.9	85.2	.21D	.98T	217.8	12.8	.92S	.38T	95.1	39.1	194.9	11.8	298.6	48.5
			CONE A	22 EXA	.46		CONE C	33 EXC	.77				CONE B	45 EXB	.57	

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA		114	191	33			317	72					238	26		
	92.5	114-12-11	345.3	64.5	.76S	.65N	95.4	54.1	.85D	.53N	215.9	45.9	48.5	43.4	312.5	6.3
			346.4	64.7	.30S	.95N	130.3	30.3	.53D	.85N	197.3	65.9	68.8	15.6	333.6	18.0
ROTATION ABOUT A,C,B AXIS																
	-43.8		346.4	64.7	.45D	.89N	215.8	36.0	.69S	.73N	125.8	61.0	268.4	23.8	5.5	15.7
	43.8		346.4	64.7	.88S	.48N	89.7	64.1	.88D	.48N	217.8	37.7	38.6	52.3	308.1	.4
	-4.8		341.3	63.4	.26S	.97N	130.3	30.3	.46D	.89N	190.6	68.0	64.4	13.4	330.2	17.1
	1.8		348.3	65.2	.31S	.95N	130.3	30.3	.56D	.83N	199.7	65.0	70.5	16.4	334.9	18.3
	0		346.4	64.7	.30S	.95N	130.3	30.3	.53D	.85N	197.3	65.9	68.8	15.6	333.6	18.0
	2.4		345.6	67.0	.29S	.96N	127.6	28.3	.57D	.82N	193.7	64.0	68.8	15.6	332.9	20.3
			CONE A		4 EXA	.64	CONE C		14 EXC	.97			CONE B		24 EXB	.92

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	92.1	114-11-11	191.8	35.0	.69S	.72N	322.1	65.6	.44D	.90N	103.1	60.6	243.5	23.5	341.0	16.7
			192.1	38.7	.86S	.51N	307.2	71.3	.57D	.82N	87.5	51.2	229.6	32.4	332.2	19.0
ROTATION ABOUT A,C,B AXIS																
	-8.6		192.1	38.7	.77S	.64N	314.9	66.6	.53D	.85N	92.7	56.4	238.7	28.8	337.6	15.7
	13.4		192.1	38.7	.95S	.30N	295.9	79.2	.61D	.80N	79.9	43.2	214.1	36.6	324.2	24.8
	-44.8		97.6	21.3	.47D	.88N	307.2	71.3	.18S	.98N	143.0	62.3	33.8	9.8	299.1	25.6
	7.2		197.3	45.0	.89S	.45N	307.2	71.3	.66D	.75N	84.0	46.7	233.1	39.0	336.4	15.9
	-0.2		192.4	38.6	.86S	.51N	307.3	71.4	.57D	.82N	87.7	51.1	229.6	32.4	332.3	19.1
	2.0		189.4	39.7	.84S	.54N	306.0	69.6	.57D	.82N	84.7	52.2	229.6	32.4	331.0	17.3
			CONE A		11 EXA	.96	CONE C		7 EXC	.90			CONE B		34 EXB	.58

COMBINATION OF HODGSON AND ICHIKAWA. IN CASES OF DISAGREEMENT OF DATA STATION IS DISCARDED.

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	87.6	166-23-22	199.9	54.7	.98S	.19N	296.1	81.3	.81D	.58N	74.1	31.1	218.0	53.3	333.1	17.6
			198.3	51.0	.98S	.18N	294.9	81.9	.77D	.64N	74.3	33.0	214.6	49.9	330.5	20.2
ROTATION ABOUT A,C,B AXIS																
	-3.0		198.3	51.0	.97S	.23N	296.8	79.6	.77D	.64N	75.2	34.9	219.0	49.1	331.7	18.5
	4.6		198.3	51.0	.99S	.10N	291.9	85.5	.78D	.63N	72.7	30.0	207.5	50.7	328.6	22.9
	-5.6		196.8	45.5	.98S	.20N	294.9	81.9	.71D	.71N	76.5	36.5	212.9	44.4	327.9	23.3
	7.2		199.8	58.1	.99S	.17N	294.9	81.9	.85D	.53N	72.1	28.2	217.4	56.9	333.3	15.9
	-0.3		198.6	51.0	.98S	.18N	295.1	82.1	.77D	.64N	74.6	32.8	214.6	49.9	330.7	20.4
	.7		197.4	51.1	.98S	.19N	294.3	81.5	.77D	.63N	73.6	33.2	214.6	49.9	329.9	19.8
			CONE A		4 EXA	.92	CONE C		3 EXC	.87			CONE B		10 EXB	.41

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JUNE 2, 1955 H = 00.18.56 51.5N 180 DEPTH NORMAL M = 6.7
HODGSON, J.H. AND COCK, J.I. 1958 PUB. DOM. OBS., 19, 223.
STEVENS, A.E. 1965 DOCTORAL THESIS, U. OF WESTERN ONTARIO

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STEVENS		S - SOLN.	222	66			97	37			243	16	145	27	1	58
HODGSON		81-16	176	90			-	-					-	-		
	78.4	80-17-16	333.3	82.7	.97S	.23N	65.1	76.8	.99D	.13N	198.7	14.5	35.1	74.9	289.7	4.1
			333.2	82.7	.97S	.23N	64.9	76.7	.99D	.13N	198.7	14.7	35.3	74.7	289.8	4.2
ROTATION ABOUT A,C,B AXIS																
	-3.0		333.2	82.7	.96S	.28N	65.4	73.7	.99D	.13N	198.4	16.7	40.0	72.1	290.3	6.2
	3.0		333.2	82.7	.98S	.18N	64.5	79.6	.99D	.13N	198.6	12.5	28.7	77.3	289.1	2.2
	-7.2		331.5	75.7	.97S	.24N	64.9	76.7	.97D	.25N	198.5	19.7	16.3	70.3	108.2	.7
	1.4		333.5	84.1	.97S	.23N	64.9	76.7	.99D	.11N	198.5	13.6	40.1	75.4	289.8	5.2
	-1.4		334.6	82.4	.97S	.23N	66.4	76.9	.99D	.14N	200.0	14.8	35.3	74.7	291.1	3.8
	1.6		331.6	83.1	.97S	.24N	63.3	76.5	.99D	.12N	196.9	14.6	35.3	74.7	288.1	4.6
			CONE A		5 EXA	.65	CONE C		4 EXC	.50			CONE B		7 EXB	.30

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	78.4	80-17-16	181.5	81.0	.82S	.57T	85.3	56.0	.98D	.19T	218.9	16.5	104.3	54.5	319.0	30.4
			186.9	71.2	.16S	.99T	34.1	20.9	.43D	.90T	194.2	25.6	99.9	8.9	352.3	62.7
ROTATION ABOUT A,C,B AXIS																
	-31.0		186.9	71.2	.37D	.93T	315.9	28.3	.74S	.68T	170.4	23.2	269.6	20.4	36.5	58.2
	43.8		186.9	71.2	.80S	.60T	83.3	55.4	.92D	.39T	221.9	10.0	120.1	49.3	320.1	38.9
	-32.0		154.7	79.0	.31S	.95T	34.1	20.9	.84D	.54T	169.4	31.7	68.2	17.5	313.7	52.7
	9.6		197.0	69.9	.10S	.99T	34.1	20.9	.28D	.96T	201.6	24.7	109.0	5.7	6.9	64.6
	-14.4		189.2	85.5	.15S	.99T	72.4	10.0	.89D	.46T	197.4	39.9	99.9	8.9	359.6	48.8
	4.8		186.0	66.5	.17S	.99T	29.2	25.3	.36D	.93T	193.3	20.9	99.9	8.9	348.2	67.1
			CONE A		28 EXA	.54	CONE C		38 EXC	.74			CONE B		56 EXB	.44

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* JUNE 5, 1955 H = 14.56 36.5N 1.5E DEPTH 25 KM.
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	100.0	18-0	40.1	62.6	.20S	.98N	196.3	29.5	.36D	.93N	244.7	70.1	124.8	10.2	31.7	16.9
			42.1	63.8	.41S	.91N	176.3	35.2	.64D	.77N	261.9	62.8	120.7	21.8	24.4	15.4
ROTATION ABOUT A,C,B AXIS																
	-27.8		42.1	63.8	.06D	1.00N	229.7	26.4	.12S	.99N	214.8	71.0	313.6	3.0	44.6	18.7
	43.8		42.1	63.8	.93S	.37N	142.1	70.6	.88D	.47N	273.8	33.2	84.2	56.4	180.9	4.4
	-25.6		13.8	56.0	.17S	.98N	176.3	35.2	.25D	.97N	225.5	76.6	98.2	8.2	6.7	10.5
	25.6		66.0	76.2	.54S	.84N	176.3	35.2	.91D	.41N	281.1	48.3	147.3	31.7	41.2	24.1
	-11.2		47.8	53.7	.46S	.89N	186.6	44.3	.53D	.85N	286.4	67.6	120.7	21.8	28.7	5.0
	14.4		36.0	77.0	.38S	.92N	154.7	25.7	.85D	.52N	242.4	52.8	120.7	21.8	18.1	28.6
			CONE A		36 EXA	.50	CONE C		43 EXC	.64			CONE B		61 EXB	.28

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	100.0	18-0	233.4	35.1	.63S	.78N	9.0	63.3	.40D	.92N	149.1	63.6	290.2	21.1	26.2	15.1
			233.4	35.1	.63S	.78N	9.0	63.3	.40D	.92N	149.1	63.6	290.2	21.1	26.2	15.1
ROTATION ABOUT A,C,B AXIS																
	-18.2		233.4	35.1	.35S	.94N	28.9	57.4	.24D	.97N	172.1	73.6	306.4	11.6	38.8	11.4
	15.0		233.4	35.1	.81S	.59N	354.4	70.1	.49D	.87N	137.1	55.0	275.4	27.6	16.2	19.7
	-7.2		222.5	31.1	.49S	.87N	9.0	63.3	.29D	.96N	157.3	67.4	286.6	14.8	21.2	16.7
	38.4		265.7	65.3	.87S	.49N	9.0	63.3	.88D	.47N	136.8	37.8	319.4	52.2	227.8	1.3
	-11.2		248.9	27.2	.79S	.62N	13.7	73.6	.38D	.93N	165.4	55.9	290.2	21.1	30.8	25.4
	6.4		227.3	40.3	.56S	.83N	6.0	57.5	.43D	.90N	135.9	66.8	290.2	21.1	23.8	9.2
			CONE A	28 EXA	.61		CONE C	24 EXC	.47				CONE B	39 EXB	.27	

388
JUNE 20, 1955 H = 12.07.25 51.5N 18O DEPTH NORMAL M = 6.7
HODGSON, J.H. AND COCK, J.I. 1958 PUB. DOM. OBS., 19, 223.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		74-18	63	56			308	58					8	40		
	77.6	75-18-15	287.9	61.9	.83S	.56N	35.5	60.5	.84D	.54N	161.2	42.9	342.9	47.1	252.0	.9
			268.6	60.0	.05D	1.00N	94.6	30.1	.09S	1.00N	80.5	74.8	180.1	2.6	270.8	15.0
ROTATION ABOUT A,C,B AXIS																
	-56.6		268.6	60.0	.86D	.51N	162.2	64.0	.83S	.56N	34.0	41.6	219.0	48.3	126.2	2.5
	56.6		268.6	60.0	.81S	.59N	18.8	59.1	.81D	.58N	143.3	45.8	324.4	44.2	233.9	.5
	-1.2		267.2	60.1	.06D	1.00N	94.6	30.1	.11S	.99N	77.3	74.6	179.0	3.2	269.9	15.0
	32.0		304.9	63.4	.25S	.97N	94.6	30.1	.45D	.89N	153.7	68.2	28.2	13.1	294.1	17.2
	-0.3		268.6	59.7	.05D	1.00N	94.5	30.4	.09S	1.00N	80.3	75.1	180.1	2.6	270.8	14.7
	4.8		268.9	64.8	.05D	1.00N	95.6	25.4	.11S	.99N	82.9	70.1	180.1	2.6	271.0	19.7
			CONE A	13 EXA	.85		CONE C	24 EXC	.95				CONE B	61 EXB	.71	

389
JULY 16, 1955 H = 07.07.08 37.5N 27E DEPTH NORMAL M = 6.7
HODGSON, J.H. AND COCK, J.I. 1958 PUB. DOM. OBS., 19, 223.
SOBOUTI, M. 1964 DOCTORAL THESIS, U. OF PARIS. DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		73-16	310	84			40	84					354	81		
	82.1	73-14-11	237.3	83.0	.96S	.27N	329.3	74.3	.99D	.13N	102.4	16.1	304.0	72.7	194.1	6.0
			238.3	82.8	.96S	.28N	330.3	74.2	.99D	.13N	103.6	16.4	304.8	72.5	195.4	6.0
ROTATION ABOUT A,C,B AXIS																
	-1.0		238.3	82.8	.96S	.29N	330.5	73.2	.99D	.13N	103.5	17.1	306.1	71.6	195.6	6.7
	6.2		238.3	82.8	.99S	.17N	329.5	80.3	.99D	.13N	103.9	12.0	292.4	77.9	194.2	1.7
	-0.8		238.1	82.1	.96S	.28N	330.3	74.2	.99D	.14N	103.3	16.9	302.4	72.2	195.0	5.5
	.5		238.4	83.3	.96S	.27N	330.3	74.2	.99D	.12N	103.6	16.0	306.3	72.7	195.4	6.3
	-1.8		240.0	82.4	.96S	.27N	332.2	74.4	.99D	.14N	105.1	16.5	304.8	72.5	196.8	5.6
	2.4		236.0	83.5	.96S	.28N	327.9	73.9	.99D	.12N	101.0	16.1	304.8	72.5	193.0	6.7
			CONE A	2 EXA	.69		CONE C	5 EXC	.42				CONE B	3 EXB	.82	

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
SOBOUTI	88.7	75-10-9	38.3	76.8	.95S	.31T	304.0	72.5	.97D	.24T	80.6	2.9	343.4	67.8	171.8	22.0
			38.3	76.8	.95S	.31T	304.0	72.5	.97D	.24T	80.6	2.9	343.4	67.8	171.8	22.0
ROTATION ABOUT A,C,B AXIS																
	-2.2		38.3	76.8	.94S	.35T	303.5	70.4	.97D	.24T	79.9	4.4	340.1	66.0	171.8	23.6
	.2		38.3	76.8	.95S	.31T	304.1	72.7	.97D	.24T	80.6	2.8	343.7	68.0	171.8	21.8
	-0.8		38.0	77.6	.95S	.31T	304.0	72.5	.97D	.23T	80.5	3.5	341.7	68.3	171.9	21.4
	.4		38.4	76.4	.95S	.31T	304.0	72.5	.97D	.25T	80.7	2.7	344.2	67.6	171.7	22.2
	-0.8		39.1	77.0	.95S	.31T	304.9	72.3	.97D	.24T	81.3	3.2	343.4	67.8	172.6	21.9
	.6		37.7	76.6	.95S	.31T	303.4	72.6	.97D	.24T	80.1	2.7	343.4	67.8	171.2	22.0
			CONE A		1 EXA	.14	CONE C		2 EXC	.42			CONE B		2 EXB	.50

E.S.A. SUPPLIED TWO INDEPENDENT SETS OF DATA PLUS THAT FOR SOBOUTI

FIRST E.S.A SET

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	82.2	33-6-5	8.8	43.8	.99S	.16N	105.4	83.7	.69D	.73N	248.4	36.0	21.3	43.1	138.0	25.6
			8.8	43.8	.99S	.16N	105.4	83.7	.69D	.73N	248.4	36.0	21.3	43.1	138.0	25.6
ROTATION ABOUT A,C,B AXIS																
	-75.8		8.8	43.8	.09S	1.00N	181.7	46.4	.08D	1.00N	295.6	86.3	95.1	3.5	185.2	1.3
	13.4		8.8	43.8	1.00S	.07T	275.7	87.0	.69D	.72T	242.0	28.3	2.8	43.6	131.4	33.2
	-0.5		8.6	43.3	.99S	.16N	105.4	83.7	.68D	.73N	248.7	36.3	21.2	42.6	137.7	25.9
	2.4		9.3	46.2	.99S	.15N	105.4	83.7	.72D	.70N	247.3	34.5	21.8	45.5	139.2	24.3
	-0.1		8.9	43.8	.99S	.16N	105.4	83.8	.69D	.73N	248.6	35.9	21.3	43.1	138.1	25.7
	2.0		5.9	44.1	.98S	.19N	104.0	82.2	.69D	.72N	246.3	37.1	21.3	43.1	136.3	24.3
			CONE A		2 EXA	.28	CONE C		14 EXC	.98			CONE B		16 EXB	.97

SECOND E.S.A SET

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	73.1	68-19-17	23.3	61.4	.96S	.28N	121.2	75.9	.87D	.49N	255.5	30.7	54.4	57.5	159.7	9.6
			17.3	53.7	.95S	.32N	118.5	75.2	.79D	.61N	254.2	36.9	46.7	49.8	153.6	13.8
ROTATION ABOUT A,C,B AXIS																
	-4.6		17.3	53.7	.92S	.39N	121.5	71.6	.78D	.62N	255.3	40.0	53.0	47.8	155.7	11.3
	3.0		17.3	53.7	.96S	.27N	116.6	77.6	.80D	.61N	253.4	34.8	42.4	51.0	152.4	15.5
	-2.8		16.2	51.0	.94S	.33N	118.5	75.2	.76D	.65N	255.0	38.7	45.1	47.3	152.4	15.3
	5.6		19.4	59.0	.95S	.30N	118.5	75.2	.85D	.53N	253.0	33.0	50.6	54.9	156.0	10.6
	-0.8		18.3	53.4	.95S	.31N	119.2	75.7	.79D	.61N	255.2	36.6	46.7	49.8	154.3	14.3
	1.8		15.2	54.3	.94S	.34N	117.0	74.1	.79D	.61N	252.0	37.4	46.7	49.8	152.1	12.7
			CONE A		5 EXA	.69	CONE C		4 EXC	.66			CONE B		8 EXB	.10

COMBINATION OF HODGSON, SOBOUTI AND TWO E.S.A DECKS. IN CASES OF DISAGREEMENT OF DATA STATION IS DISCARDED.

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	74.6	117-28-26	21.6	56.1	.72S	.69N	139.6	55.0	.73D	.68N	260.0	53.1	81.3	36.9	350.8	.6
			20.8	55.4	.64S	.76N	144.7	51.0	.68D	.73N	259.7	57.8	85.2	32.1	353.6	2.5
ROTATION ABOUT A,C,B AXIS																
	-27.8		20.8	55.4	.21S	.98N	179.7	36.5	.30D	.96N	239.2	76.0	103.7	10.1	12.0	9.6
	11.8		20.8	55.4	.79S	.62N	134.7	59.5	.75D	.66N	259.7	49.5	74.8	40.4	166.9	2.4
	-0.5		20.3	55.1	.64S	.77N	144.7	51.0	.68D	.74N	259.6	58.2	84.8	31.7	353.4	2.3
	4.0		24.4	58.1	.67S	.74N	144.7	51.0	.73D	.68N	260.1	55.0	88.8	34.7	356.0	4.1
	-0.2		20.9	55.3	.65S	.76N	144.9	51.1	.68D	.73N	259.9	57.8	85.2	32.1	353.7	2.4
	.1		20.7	55.5	.64S	.76N	144.6	50.9	.68D	.73N	259.4	57.8	85.2	32.1	353.6	2.6
			CONE A		1 EXA	.93	CONE C		3 EXC	.99			CONE B		13 EXB	.89

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JULY 27, 1955 H = 01.20.50 33.7N 134.3E DEPTH 10KM.
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA		45	323	78			230	78					277	72		
	94.2	45-2-2	210.7	81.8	.46S	.89N	316.1	28.5	.95D	.30N	58.8	46.2	296.5	27.1	188.3	31.4
			43.1	89.1	.81S	.58T	312.5	54.3	1.00D	.02T	81.9	23.7	314.3	54.3	183.7	25.1
ROTATION ABOUT A,C,B AXIS																
	-31.0		43.1	89.1	.40S	.92T	311.1	23.3	1.00D	.04T	64.4	39.7	313.5	23.3	201.2	41.3
	1.4		43.1	89.1	.83S	.56T	312.5	55.7	1.00D	.02T	82.4	22.8	314.4	55.7	183.3	24.2
	-38.4		198.5	60.5	.74S	.67N	312.5	54.3	.80D	.61N	72.4	49.6	259.9	40.2	166.8	3.7
	28.8		61.0	66.2	.77S	.64T	312.5	54.3	.87D	.50T	94.3	7.3	357.0	44.8	191.5	44.3
	-1.6		224.4	89.9	.81S	.58N	314.5	54.3	1.00D	0N	83.5	24.4	314.3	54.3	185.4	24.3
	1.6		41.8	88.2	.81S	.58T	310.5	54.3	1.00D	.04T	80.4	22.9	314.3	54.3	182.2	25.7
			CONE A		15 EXA	.95	CONE C		10 EXC	.90			CONE B		47 EXB	.52

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AUGUST 16, 1955 H = 11.46.58 6S 155E DEPTH 220 KM. M = 7.2
HODGSON, J.H. AND STEVENS, A.E. 1958 PUB. DOM. OBS., 19, 283.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		84-19	52	71			319	81					26	69		
	77.1	85-17-16	70.5	82.3	.98S	.21T	338.9	78.3	.99D	.14T	114.4	2.8	13.2	75.9	205.1	13.8
			69.6	81.9	.98S	.21T	337.9	77.8	.99D	.14T	113.5	2.9	12.6	75.3	204.3	14.4
ROTATION ABOUT A,C,B AXIS																
	-1.4		69.6	81.9	.97S	.24T	337.6	76.4	.99D	.15T	113.3	3.8	9.7	74.1	204.3	15.4
	1.8		69.6	81.9	.98S	.18T	338.1	79.6	.99D	.14T	113.7	1.6	16.9	76.7	204.1	13.2
	-0.7		69.5	82.5	.98S	.21T	337.9	77.8	.99D	.13T	113.1	3.3	10.2	75.7	203.9	13.9
	.4		69.7	81.5	.98S	.21T	337.9	77.8	.99D	.15T	113.6	2.6	13.9	75.0	204.3	14.8
	-1.6		71.2	82.2	.98S	.22T	339.5	77.6	.99D	.14T	114.9	3.2	12.6	75.3	205.7	14.3
	2.0		67.6	81.4	.98S	.21T	335.8	78.1	.99D	.15T	111.4	2.3	12.6	75.3	202.0	14.5
			CONE A		2 EXA	.69	CONE C		3 EXC	.11			CONE B		2 EXB	.66

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	77.9	85-18-17	352.2	81.8	.85S	.53T	257.1	58.1	.99D	.17T	30.6	15.8	274.9	56.8	129.4	28.3
			356.7	82.1	.82S	.58T	261.1	55.1	.99D	.17T	34.1	17.9	277.7	54.0	134.8	30.1
ROTATION ABOUT A,C,B AXIS																
	-1.4		356.7	82.1	.80S	.60T	260.8	53.8	.99D	.17T	33.5	18.7	277.2	52.6	135.3	31.0
	7.0		356.7	82.1	.88S	.47T	262.4	62.0	.99D	.16T	36.6	13.5	281.1	60.8	133.2	25.3
	0		356.7	82.1	.82S	.58T	261.1	55.1	.99D	.17T	34.1	17.9	277.7	54.0	134.8	30.1
	.1		356.7	82.0	.82S	.58T	261.1	55.1	.99D	.17T	34.1	17.8	277.9	54.0	134.9	30.1
	0		356.7	82.1	.82S	.58T	261.1	55.1	.99D	.17T	34.1	17.9	277.7	54.0	134.8	30.1
	.2		356.5	82.0	.82S	.58T	260.9	55.2	.99D	.17T	33.9	17.8	277.7	54.0	134.6	30.1
			CONE A		0 EXA	.50	CONE C		1 EXC	.98			CONE B		1 EXB	.99

392
AUGUST 21, 1955 H = 17.33.58 3S 137.5E DEPTH NORMAL M = 6.7
HODGSON, J.H. AND STEVENS, A.E. 1958 PUB. DOM. OBS., 19, 283.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		53-9	164	60			64	72					127	54		
	75.6	52-13-11	165.8	54.6	.92S	.40T	61.5	70.8	.79D	.61T	27.0	10.2	128.6	48.2	288.3	40.0
			166.2	53.6	.91S	.41T	61.3	70.8	.78D	.63T	27.3	10.8	129.2	47.3	287.9	40.7
ROTATION ABOUT A,C,B AXIS																
	-1.0		166.2	53.6	.91S	.42T	60.7	70.0	.78D	.63T	26.8	10.2	127.9	46.8	287.7	41.4
	1.4		166.2	53.6	.92S	.39T	62.3	71.9	.78D	.62T	28.0	11.5	131.1	47.9	288.2	39.8
	-5.6		163.6	58.7	.92S	.38T	61.3	70.8	.84D	.55T	24.7	7.7	124.8	52.1	288.9	36.8
	89.6		308.9	42.4	.87D	.49T	61.3	70.8	.62S	.78T	88.7	16.8	346.0	36.1	199.1	49.0
	-0.5		166.8	53.8	.91S	.41T	61.8	70.5	.78D	.63T	27.7	10.5	129.2	47.3	288.5	40.8
	.1		166.1	53.5	.91S	.41T	61.3	70.9	.78D	.63T	27.2	10.9	129.2	47.3	287.7	40.6
			CONE A		8 EXA	.99	CONE C		1 EXC	.75			CONE B		15 EXB	.97

393
AUGUST 28, 1955 H = 20.13.30 14N 91W DEPTH 100 KM. M = 6.7
HODGSON, J.H. AND STEVENS, A.E. 1958 PUB. DOM. OBS., 19, 283.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		76-18	97	73			355	54					27	49		
	78.6	75-18-14	97.5	62.0	.70S	.72T	341.7	50.7	.80D	.61T	127.2	6.7	32.0	38.0	225.6	51.2
			143.4	53.6	.05D	1.00T	318.9	36.5	.06S	1.00T	141.5	8.6	231.8	2.2	336.1	81.2
ROTATION ABOUT A,C,B AXIS																
	-50.2		143.4	53.6	.80D	.60T	257.6	60.9	.73S	.68T	288.9	4.3	195.3	39.9	24.1	49.8
	37.4		143.4	53.6	.57S	.82T	12.8	48.6	.61D	.79T	167.2	2.8	75.8	27.3	262.5	62.5
	-44.8		91.5	63.4	.44S	.90T	318.9	36.5	.66D	.75T	110.2	14.6	13.8	23.1	229.7	62.2
	64.0		210.6	76.9	.56D	.83T	318.9	36.5	.92S	.38T	184.7	24.1	291.8	33.4	66.3	46.8
	-12.8		142.8	66.4	.04D	1.00T	316.9	23.7	.09S	1.00T	140.9	21.4	231.8	2.2	327.4	68.5
	14.4		144.5	39.2	.06D	1.00T	320.1	50.9	.05S	1.00T	322.0	5.9	231.8	2.2	121.3	83.7
			CONE A		54 EXA	.75	CONE C		49 EXC	.69			CONE B		98 EXB	.19

394

SEPTEMBER 12, 1955 H = 06.09.20 32.5N 30E DEPTH NORMAL M = 6.7

HODGSON, J.H. AND STEVENS, A.E. 1958 PUB. DOM. OBS., 19, 283.

SOBOUTI, M. 1964 DOCTORAL THESIS, U. OF PARIS. DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		95-20	52	56			303	64					4	44		
	76.6	94-21-20	48.4	53.7	.87S	.50T	299.7	66.4	.76D	.65T	266.7	7.8	4.4	44.4	169.0	44.5
			83.8	29.7	.40S	.92T	290.5	63.0	.22D	.97T	281.1	17.1	14.6	11.4	136.8	69.3
ROTATION ABOUT A,C,B AXIS																
	-8.6		83.8	29.7	.26S	.97T	280.9	61.4	.15D	.99T	274.8	16.0	6.9	7.4	120.9	72.3
	10.2		83.8	29.7	.56S	.83T	301.4	65.7	.30D	.95T	288.4	18.9	24.0	16.0	151.7	64.9
	-32.0		45.0	50.8	.81S	.59T	290.5	63.0	.71D	.71T	260.3	7.2	356.2	38.9	161.6	50.2
	.7		85.1	29.4	.38S	.92T	290.5	63.0	.21D	.98T	281.5	17.2	14.9	10.8	135.7	69.5
	-2.0		85.3	31.5	.38S	.93T	291.0	61.0	.23D	.97T	281.5	15.1	14.6	11.4	140.3	70.9
	.9		83.0	28.9	.41S	.91T	290.2	63.9	.22D	.98T	280.9	17.9	14.6	11.4	135.4	68.5
			CONE A		10 EXA	.91	CONE C		7 EXC	.85			CONE B		25 EXB	.43

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
SOBOUTI	87.2	72-9-8	247.6	79.4	1.00S	.05N	338.1	87.3	.98D	.18N	113.3	9.4	262.2	79.1	22.4	5.5
			247.9	79.4	1.00S	.05N	338.4	87.3	.98D	.18N	113.6	9.4	262.5	79.1	22.7	5.5
ROTATION ABOUT A,C,B AXIS																
	-1.4		247.9	79.4	1.00S	.07N	338.7	85.9	.98D	.18N	113.6	10.3	269.4	78.7	22.7	4.5
	3.0		247.9	79.4	1.00S	0T	157.8	89.7	.98D	.18T	113.6	7.3	246.5	79.4	22.6	7.7
	-0.6		247.9	78.8	1.00S	.05N	338.4	87.3	.98D	.19N	113.7	9.8	261.8	78.5	22.7	6.0
	.1		247.9	79.5	1.00S	.05N	338.4	87.3	.98D	.18N	113.6	9.3	262.6	79.2	22.7	5.5
	-0.1		248.0	79.4	1.00S	.05N	338.5	87.3	.98D	.18N	113.6	9.4	262.5	79.1	22.7	5.5
	.8		247.1	79.5	1.00S	.05N	337.6	87.2	.98D	.18N	112.9	9.4	262.5	79.1	22.0	5.4
			CONE A		1 EXA	.22	CONE C		2 EXC	.80			CONE B		2 EXB	.84

COMBINATION OF HODGSON AND SOBOUTI. IN CASES OF DISAGREEMENT OF DATA STATION IS DISCARDED

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
74.8	110-26-25	62.7	54.0	.78S	.63T	307.4	59.5	.73D	.68T	276.2	3.3	8.8	39.1	182.2	50.7
		69.4	53.2	.67S	.74T	305.9	53.6	.67D	.74T	277.8	.2	7.9	32.5	187.4	57.5
ROTATION ABOUT A,C,B AXIS															
-0.8		69.4	53.2	.66S	.75T	305.2	53.1	.66D	.75T	97.2	.1	7.2	32.0	187.3	58.0
8.6		69.4	53.2	.77S	.63T	313.3	59.6	.72D	.69T	282.6	3.8	15.6	38.4	187.9	51.3
-4.0		65.8	56.0	.70S	.72T	305.9	53.6	.72D	.70T	95.4	1.4	4.4	35.3	187.3	54.7
.2		69.6	53.1	.67S	.74T	305.9	53.6	.67D	.75T	277.8	.3	8.0	32.4	187.4	57.6
-0.5		69.8	53.6	.67S	.74T	306.3	53.2	.67D	.74T	98.0	.2	7.9	32.5	188.4	57.5
.2		69.2	53.1	.67S	.74T	305.8	53.7	.67D	.75T	277.7	.3	7.9	32.5	187.1	57.5
		CONE A		2 EXA	.83	CONE C		3 EXC	.93			CONE B		6 EXB	.55

395
SEPTEMBER 15, 1955 H = 12.30.27 5S 134.5E DEPTH NORMAL M = 6.7
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		19-3	325	60			220	66					278	50		
	80.3	19-3-3	162.6	52.8	.69S	.72N	284.8	55.0	.67D	.74N	45.1	56.5	222.4	33.5	313.2	1.3
			70.8	37.1	.10S	.99N	243.5	53.2	.08D	1.00N	43.0	81.2	156.2	3.5	246.7	8.1
ROTATION ABOUT A,C,B AXIS																
	-50.2		70.8	37.1	.70D	.71N	301.6	64.5	.47S	.88N	163.4	60.3	18.8	24.9	281.6	15.1
	31.0		70.8	37.1	.60S	.80N	207.6	61.1	.41D	.91N	344.1	64.9	129.9	21.2	225.0	12.8
	-57.6		357.7	61.4	.73D	.68N	243.5	53.2	.80S	.60N	124.7	49.7	294.8	39.9	28.9	4.9
	38.4		120.6	54.0	.67S	.74N	243.5	53.2	.68D	.73N	1.5	57.1	182.5	32.9	92.2	.5
	-22.4		79.4	14.9	.24S	.97N	245.2	75.5	.06D	1.00N	60.3	59.3	156.2	3.5	248.3	30.4
	28.8		67.7	65.8	.07S	1.00N	238.4	24.5	.15D	.99N	255.4	69.0	156.2	3.5	64.9	20.7

CONE A 70 EXA .47 CONE C 64 EXC .37 CONE B 88 EXB .15

396
OCTOBER 13, 1955 H = 09.26.44 9.5S 161E DEPTH NORMAL M = 7
HODGSON, J.H. AND STEVENS, A.E. 1958 PUB. DOM. OBS., 19, 283.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		103-12	-	-			-	-					-	-		
	89.7	103-11-10	2.4	59.9	.81S	.59T	252.5	59.6	.81D	.58T	37.4	.2	307.2	44.5	127.6	45.5
			71.1	42.4	.02S	1.00T	252.3	47.7	.01D	1.00T	251.7	2.7	341.7	.6	84.4	87.3
ROTATION ABOUT A,C,B AXIS																
	-21.4		71.1	42.4	.35D	.94T	224.2	50.9	.30S	.95T	236.7	4.4	145.6	13.7	344.0	75.6
	37.4		71.1	42.4	.62S	.78T	298.0	58.1	.49D	.87T	277.3	8.5	11.3	24.7	169.7	63.7
	-44.8		15.7	58.9	.62S	.79T	252.3	47.7	.71D	.70T	41.7	6.4	307.7	31.9	141.7	57.3
	28.8		110.6	49.3	.46D	.89T	252.3	47.7	.47S	.88T	91.7	.8	182.0	20.3	359.4	69.7
	-16.0		71.4	58.4	.01S	1.00T	252.7	31.7	.02D	1.00T	71.8	13.4	341.7	.6	249.2	76.6
	11.2		70.7	31.2	.02S	1.00T	252.1	58.9	.01D	1.00T	251.6	13.9	341.7	.6	74.1	76.1

CONE A 45 EXA .63 CONE C 40 EXC .54 CONE B 66 EXB .20

THE ABOVE SOLN. REPRESENTS UNDEFINED CENTRAL DILATATIONAL CIRCLES.

397
NOVEMBER 10, 1955 H = 01.44.04 15S 174W DEPTH 100 KM. M = 7.1
HODGSON, J.H. AND STEVENS, A.E. 1958 PUB. DOM. OBS., 19, 283.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		89-22	10	87			-	-					-	-		
	78.0	87-20-17	37.0	88.8	.86S	.51T	306.3	59.0	1.00D	.02T	77.3	20.4	309.0	59.0	176.1	22.3
			224.6	72.3	.10D	.99N	63.0	18.6	.30S	.95N	35.7	62.3	136.3	5.5	229.1	27.1
ROTATION ABOUT A,C,B AXIS																
	-63.0		224.6	72.3	.93D	.36N	127.8	69.9	.95S	.32N	356.6	27.3	172.7	62.6	265.8	1.6
	63.0		224.6	72.3	.84S	.54N	325.7	58.9	.93D	.36N	91.4	35.4	289.3	53.2	187.6	8.6
	-2.4		222.1	72.5	.11D	.99N	63.0	18.6	.34S	.94N	32.0	61.9	134.0	6.3	227.3	27.2
	38.4		264.9	72.6	.12S	.99N	63.0	18.6	.36D	.93N	95.2	61.8	352.9	6.5	259.5	27.3
	-0.4		224.5	71.9	.10D	.99N	62.7	19.0	.30S	.96N	35.6	62.7	136.3	5.5	229.1	26.7
	19.2		46.5	88.6	.10D	1.00T	150.4	5.7	.97S	.24T	41.1	43.3	136.3	5.5	232.0	46.1

CONE A 28 EXA .52 CONE C 50 EXC .84 CONE B 72 EXB .68

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* NOVEMBER 12, 1955 H = 05.32.15 25.2N 34.5E DEPTH 25 KM. M = 6

DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	71.8	18-6-5	194.7	68.0	.70S	.71N	305.5	48.7	.87D	.50N	61.4	47.0	264.4	40.6	164.2	11.6
			184.0	68.8	.63S	.77N	297.8	43.8	.85D	.52N	48.1	50.0	257.5	36.2	156.4	14.7
ROTATION ABOUT A,C,B AXIS																
	-21.4		184.0	68.8	.31S	.95N	322.1	27.5	.62D	.78N	31.6	62.0	267.3	16.7	170.4	21.8
	11.8		184.0	68.8	.78S	.63N	290.2	54.2	.90D	.45N	51.9	42.0	249.9	46.6	150.2	9.1
	-12.8		172.7	61.1	.57S	.82N	297.8	43.8	.72D	.70N	42.6	58.3	244.3	29.8	148.7	9.7
	38.4		32.8	85.2	.69S	.72T	297.8	43.8	.99D	.12T	66.0	26.8	307.4	43.4	176.5	34.7
	-8.0		189.7	62.8	.66S	.75N	306.9	48.4	.79D	.61N	60.2	52.5	257.5	36.2	161.3	8.4
	6.4		179.8	73.8	.62S	.79N	289.4	40.8	.90D	.43N	39.5	47.1	257.5	36.2	152.3	19.8
			CONE A		27 EXA	.72	CONE C		22 EXC	.57			CONE B		41 EXB	.35

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	66.6	18-6-5	29.8	83.1	.83S	.56T	295.1	56.1	.99D	.14T	67.7	18.0	309.8	55.2	168.0	28.7
			29.3	88.8	.90S	.43T	298.7	64.8	1.00D	.02T	71.1	16.7	301.8	64.7	166.9	18.5
ROTATION ABOUT A,C,B AXIS																
	-10.2		29.3	88.8	.81S	.58T	298.4	54.6	1.00D	.03T	68.1	23.3	301.0	54.5	169.8	25.2
	31.0		29.3	88.8	.99S	.10N	119.4	84.2	1.00D	.02N	254.0	4.9	107.4	84.1	344.2	3.2
	-32.0		194.5	62.5	.88S	.48N	298.7	64.8	.86D	.51N	67.4	38.9	244.4	51.1	336.2	1.5
	14.4		35.5	75.8	.90S	.44T	298.7	64.8	.96D	.27T	75.4	7.3	332.2	60.5	169.4	28.4
	-22.4		229.6	81.8	.91S	.41N	323.3	66.3	.99D	.16N	94.0	22.7	301.8	64.7	188.5	10.6
	16.0		14.7	82.1	.91S	.41T	281.2	66.2	.99D	.15T	55.8	10.9	301.8	64.7	150.3	22.5
			CONE A		42 EXA	.17	CONE C		40 EXC	.07			CONE B		44 EXB	.11

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	65.1	18-5-5	163.4	69.3	.95S	.32N	260.2	72.7	.93D	.37N	32.5	27.4	206.9	62.5	301.3	2.3
			165.5	71.5	.95S	.30N	261.1	73.5	.94D	.33N	33.7	25.2	210.2	64.8	303.1	1.3
ROTATION ABOUT A,C,B AXIS																
	-2.6		165.5	71.5	.94S	.34N	262.1	71.1	.94D	.33N	33.8	27.0	214.5	63.0	124.0	.3
	4.6		165.5	71.5	.98S	.22N	259.6	77.9	.95D	.32N	33.6	21.8	201.1	67.7	301.8	4.4
	-8.0		162.8	63.9	.95S	.32N	261.1	73.5	.89D	.46N	34.2	30.7	200.0	58.5	300.4	6.3
	44.8		358.9	65.6	.95S	.31T	261.1	73.5	.90D	.43T	221.3	5.2	320.4	59.9	128.3	29.5
	-16.0		182.0	67.5	.98S	.20N	276.5	79.3	.92D	.39N	51.2	23.7	210.2	64.8	317.6	8.0
	1.8		163.7	72.1	.95S	.31N	259.4	72.9	.95D	.32N	31.6	25.2	210.2	64.8	301.3	.5
			CONE A		31 EXA	.66	CONE C		11 EXC	.60			CONE B		19 EXB	.86

399
* NOVEMBER 12, 1955 H = 06.09.29 32.9N 29.0E DEPTH 50 KM.
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	92.9	35-3-2	112.8	72.2	.95S	.32T	17.0	72.4	.95D	.32T	334.9	.1	65.2	64.5	244.9	25.5
			139.6	31.1	.02D	1.00T	318.1	58.9	.01S	1.00T	318.7	13.9	228.5	.7	135.7	76.1
ROTATION ABOUT A,C,B AXIS																
	-63.0		139.6	31.1	.90D	.43T	252.0	77.0	.48S	.88T	274.1	26.5	168.9	27.7	40.4	49.9
	63.0		139.6	31.1	.88S	.47T	24.8	75.8	.47D	.88T	3.2	25.6	107.4	27.1	236.8	51.1
	-76.8		55.4	78.1	.85S	.53T	318.1	58.9	.97D	.24T	93.4	12.7	343.8	56.2	191.1	30.7
	57.6		210.4	63.3	.82D	.58T	318.1	58.9	.85S	.52T	175.2	2.7	268.1	46.8	82.6	43.1
	-9.6		139.2	40.7	.02D	1.00T	317.9	49.3	.02S	1.00T	318.6	4.3	228.5	.7	129.3	85.6
	9.6		140.1	21.5	.03D	1.00T	318.2	68.5	.01S	1.00T	318.8	23.5	228.5	.7	136.9	66.5
			CONE A	51 EXA	.86		CONE C	49 EXC	.85				CONE B	130 EXB	.06	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	89.2	35-3-3	261.3	89.8	.93S	.36N	351.4	68.9	1.00D	0N	124.4	14.9	350.8	68.9	218.3	14.6
			261.3	89.8	.93S	.36N	351.4	68.9	1.00D	0N	124.4	14.9	350.8	68.9	218.3	14.6
ROTATION ABOUT A,C,B AXIS																
	-13.4		261.3	89.8	.82S	.57N	351.5	55.5	1.00D	0N	120.8	23.8	351.0	55.5	221.9	23.5
	2.6		261.3	89.8	.95S	.32N	351.4	71.5	1.00D	0N	124.8	13.1	350.7	71.5	217.8	12.8
	-4.0		259.9	86.1	.93S	.36N	351.4	68.9	1.00D	.07N	123.6	17.6	339.8	68.5	217.4	11.9
	9.6		84.8	81.2	.93S	.36T	351.4	68.9	.99D	.16T	126.5	8.4	16.1	67.0	219.8	21.2
	-1.4		262.6	89.3	.93S	.36N	352.9	68.9	1.00D	.01N	125.8	15.3	350.8	68.9	219.7	14.2
	12.8		69.4	85.6	.94S	.35T	337.7	69.4	1.00D	.08T	111.7	11.2	350.8	68.9	205.3	17.6
			CONE A	14 EXA	.04		CONE C	15 EXC	.11				CONE B	15 EXB	.15	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	84.8	35-4-3	248.5	79.3	1.00S	.04T	158.1	87.8	.98D	.19T	113.8	6.0	236.6	79.1	22.8	9.1
			249.9	79.2	1.00S	.04T	159.4	87.7	.98D	.19T	115.3	6.0	237.7	78.9	24.3	9.3
ROTATION ABOUT A,C,B AXIS																
	-21.4		249.9	79.2	.92S	.40T	155.2	66.7	.98D	.20T	290.8	8.4	183.0	64.1	24.7	24.3
	18.2		249.9	79.2	.96S	.27N	342.9	74.4	.98D	.19N	115.8	18.8	306.5	70.9	206.9	3.3
	-0.2		249.9	79.4	1.00S	.04T	159.4	87.7	.98D	.18T	115.3	5.9	237.5	79.1	24.3	9.2
	4.0		250.0	75.2	1.00S	.04T	159.4	87.7	.97D	.26T	115.8	8.8	240.9	75.0	23.9	12.1
	-0.5		250.4	79.2	1.00S	.04T	159.9	87.6	.98D	.19T	115.8	5.9	237.7	78.9	24.8	9.4
	4.8		245.0	79.0	1.00S	.02T	154.7	88.6	.98D	.19T	110.5	6.8	237.7	78.9	19.5	8.8
			CONE A	5 EXA	.21		CONE C	14 EXC	.87				CONE B	13 EXB	.89	

400
NOVEMBER 22, 1955 H = 03.24.00 24.5S 123W DEPTH NORMAL M = 6.8
HODGSON, J.H. AND STEVENS, A.E. 1958 PUB. DOM. OBS., 19, 283.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		55-14	272	89			2	79					359	79		
	76.2	56-12-12	351.3	81.9	1.00S	.08N	81.9	85.5	.99D	.14N	216.8	8.9	20.7	80.7	126.4	2.5
			351.4	82.2	1.00S	.08N	82.0	85.6	.99D	.14N	216.7	8.7	21.0	81.0	126.3	2.4
ROTATION ABOUT A,C,B AXIS																
	-0.2		351.4	82.2	1.00S	.08N	82.0	85.4	.99D	.14N	216.7	8.8	22.1	80.9	126.3	2.3
	0		351.4	82.2	1.00S	.08N	82.0	85.6	.99D	.14N	216.7	8.7	21.0	81.0	126.3	2.4
	-7.2		350.8	75.0	1.00S	.08N	82.0	85.6	.97D	.26N	217.3	13.8	7.9	74.3	125.5	7.4
	1.4		351.5	83.6	1.00S	.08N	82.0	85.6	.99D	.11N	216.7	7.7	26.1	82.2	126.5	1.4
	-0.4		351.8	82.1	1.00S	.08N	82.4	85.7	.99D	.14N	217.6	8.6	21.0	81.0	127.2	2.5
	1.4		350.0	82.3	1.00S	.08N	80.6	85.4	.99D	.13N	215.3	8.7	21.0	81.0	124.9	2.2
			CONE A	4 EXA	.79		CONE C	1 EXC	.89				CONE B	1 EXB	.98	

401
NOVEMBER 23, 1955 H = 06.29.29 50.5N 157E DEPTH 50 KM. M = 7
HODGSON, J.H. AND STEVENS, A.E. 1958 PUB. DOM. OBS., 19, 283.
STEVENS, A.E. 1965 DOCTORAL THESIS, U. OF WESTERN ONTARIO

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STEVENS		S - SOLN.	161	51			326	40			154	6	245	7	24	81
HODGSON		104	-	-			-	-					-	-		
	76.7	104-25-23	121.2	34.6	.66S	.75T	348.0	64.7	.41D	.91T	330.2	16.2	67.0	22.0	206.8	62.1
			155.5	48.9	.02D	1.00T	333.5	41.1	.03S	1.00T	154.6	3.9	244.7	1.0	349.1	86.0
ROTATION ABOUT A,C,B AXIS																
	-15.0		155.5	48.9	.28D	.96T	311.5	43.7	.31S	.95T	144.0	2.7	234.6	12.2	41.9	77.5
	43.8		155.5	48.9	.68S	.74T	29.9	56.3	.61D	.79T	4.1	4.2	96.6	30.6	267.2	59.1
	-44.8		102.2	61.4	.51S	.86T	333.5	41.1	.69D	.73T	123.8	11.2	28.1	26.8	234.4	60.6
	16.0		176.2	51.2	.25D	.97T	333.5	41.1	.30S	.95T	165.9	5.2	256.9	11.4	51.9	77.5
	-16.0		155.1	64.9	.02D	1.00T	332.6	25.1	.04S	1.00T	154.3	19.9	244.7	1.0	337.5	70.1
	22.4		156.6	26.5	.04D	1.00T	334.2	63.5	.02S	1.00T	335.0	18.5	244.7	1.0	151.7	71.5
			CONE A	48 EXA	.37		CONE C	48 EXC	.35				CONE B	60 EXB	.03	

THE ABOVE SOLN. REPRESENTS UNDEFINED CENTRAL DILATATIONAL CIRCLES.

402
* JANUARY 6, 1956 H = 12.15.42 40.5N 26.0E DEPTH 25 KM.
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	100.0	14-0	125.0	75.1	.97S	.25T	31.3	76.3	.96D	.27T	348.3	.8	80.5	69.5	258.0	20.5
			125.0	75.1	.97S	.25T	31.3	76.3	.96D	.27T	348.3	.8	80.5	69.5	258.0	20.5
ROTATION ABOUT A,C,B AXIS																
	-63.0		125.0	75.1	.22S	.98T	346.4	19.6	.64D	.77T	135.3	29.0	38.4	12.3	287.9	58.0
	31.0		125.0	75.1	.96S	.29N	219.5	73.8	.96D	.27N	352.0	22.3	174.5	67.7	82.3	.9
	-57.6		289.1	49.2	.95S	.31N	31.3	76.3	.74D	.67N	168.9	39.0	315.9	46.0	64.5	17.1
	9.6		127.6	65.8	.97S	.26T	31.3	76.3	.91D	.42T	351.0	7.0	94.3	61.7	257.4	27.3
	-12.8		137.7	78.5	.96S	.29T	44.2	73.2	.98D	.21T	180.3	3.6	80.5	69.5	271.6	20.1
	11.2		113.6	72.6	.98S	.19T	20.3	79.5	.95D	.30T	337.7	4.7	80.5	69.5	246.0	19.9
			CONE A	40 EXA	.64		CONE C	47 EXC	.74				CONE B	79 EXB	.29	

403
JANUARY 8, 1956 H = 20.54.13 19S 70W DEPTH NORMAL M = 7.2
HODGSON, J.H. AND STEVENS, A.E. 1958 PUB. DOM. OBS., 19, 283.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		89-21	288	83			21	67					2	66		
	79.5	89-22-18	133.9	75.7	.95S	.32T	39.0	71.7	.97D	.26T	175.9	2.7	79.7	66.4	267.1	23.4
			133.9	75.7	.95S	.32T	39.0	71.7	.97D	.26T	175.9	2.7	79.7	66.4	267.1	23.4
ROTATION ABOUT A,C,B AXIS																
	0		133.9	75.7	.95S	.32T	39.0	71.7	.97D	.26T	175.9	2.7	79.7	66.4	267.1	23.4
	0		133.9	75.7	.95S	.32T	39.0	71.7	.97D	.26T	175.9	2.7	79.7	66.4	267.1	23.4
	-6.4		131.8	81.7	.95S	.32T	39.0	71.7	.99D	.15T	174.2	6.9	65.0	69.8	266.5	18.9
	4.0		135.2	71.9	.94S	.33T	39.0	71.7	.94D	.33T	177.1	.1	86.8	63.7	267.1	26.3
	-0.4		134.3	75.8	.95S	.33T	39.4	71.6	.97D	.26T	176.3	2.9	79.7	66.4	267.5	23.4
	.2		133.7	75.6	.95S	.32T	38.8	71.7	.97D	.26T	175.8	2.6	79.7	66.4	266.9	23.4
			CONE A		2 EXA	.94	CONE C		0 EXC	1.00			CONE B		0 EXB	1.00

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	77.3	89-22-18	292.0	83.7	.93S	.38N	24.6	68.0	.99D	.12N	156.3	20.0	7.0	67.0	250.3	10.8
			291.0	83.7	.92S	.39N	23.6	67.3	.99D	.12N	155.1	20.5	6.4	66.4	249.4	11.2
ROTATION ABOUT A,C,B AXIS																
	-0.6		291.0	83.7	.92S	.40N	23.7	66.7	.99D	.12N	155.0	20.9	6.8	65.8	249.5	11.6
	2.2		291.0	83.7	.94S	.35N	23.4	69.5	.99D	.12N	155.4	19.0	4.7	68.5	248.8	9.8
	-2.4		290.0	81.5	.92S	.39N	23.6	67.3	.99D	.16N	154.7	22.2	.8	65.6	248.7	9.7
	.4		291.1	84.1	.92S	.39N	23.6	67.3	.99D	.11N	155.0	20.2	7.3	66.5	249.3	11.5
	-1.4		292.3	83.2	.92S	.39N	25.1	67.5	.99D	.13N	156.5	20.7	6.4	66.4	250.6	10.8
	1.0		290.1	84.1	.92S	.39N	22.6	67.2	.99D	.11N	154.0	20.3	6.4	66.4	248.4	11.6
			CONE A		3 EXA	.14	CONE C		3 EXC	.14			CONE B		3 EXB	0

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	77.0	89-22-18	169.0	75.3	1.00S	.07N	260.1	85.9	.97D	.25N	35.5	13.3	185.3	74.7	303.7	7.4
			157.1	19.1	.89S	.46N	273.0	81.4	.29D	.96N	73.8	50.7	185.6	16.9	287.5	34.2
ROTATION ABOUT A,C,B AXIS																
	-6.2		157.1	19.1	.83S	.55N	279.0	79.6	.28D	.96N	80.2	52.7	192.0	15.8	292.5	32.7
	15.0		157.1	19.1	.98S	.21N	258.6	86.0	.32D	.95N	59.7	45.9	170.0	18.6	275.4	38.2
	-76.8		8.0	60.1	.99D	.17N	273.0	81.4	.86S	.50N	136.4	27.3	348.6	58.6	233.9	14.3
	57.6		180.6	74.9	.99S	.15N	273.0	81.4	.96D	.26N	47.4	16.9	211.6	72.5	316.1	4.5
	-1.6		161.6	18.4	.92S	.39N	273.5	82.9	.29D	.96N	74.9	49.3	185.6	16.9	288.2	35.7
	2.0		151.9	20.1	.85S	.53N	272.4	79.5	.30D	.96N	72.3	52.5	185.6	16.9	286.7	32.4
			CONE A		22 EXA	.97	CONE C		9 EXC	.83			CONE B		53 EXB	.84

404
JANUARY 10, 1956 H = 08.52.36 25S 176W DEPTH NORMAL M = 7.5
HODGSON, J.H. AND STEVENS, A.E. 1958 PUB. DOM. OBS., 19, 283.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		51-10	115	82			23	79					60	76		
	81.4	50-11-8	28.9	81.9	.99S	.11N	119.8	84.0	.99D	.14N	254.5	10.0	65.9	79.9	164.2	1.5
			28.9	81.9	.99S	.11N	119.8	84.0	.99D	.14N	254.5	10.0	65.9	79.9	164.2	1.5
ROTATION ABOUT A,C,B AXIS																
	0		28.9	81.9	.99S	.11N	119.8	84.0	.99D	.14N	254.5	10.0	65.9	79.9	164.2	1.5
	.8		28.9	81.9	1.00S	.09N	119.6	84.8	.99D	.14N	254.5	9.4	62.1	80.4	164.2	2.0
	-4.0		28.5	77.9	.99S	.11N	119.8	84.0	.98D	.21N	254.7	12.8	55.7	76.5	163.7	4.2
	2.8		29.2	84.7	.99S	.10N	119.8	84.0	1.00D	.09N	254.3	8.0	77.9	82.0	344.4	.5
	-2.8		31.7	81.6	1.00S	.10N	122.5	84.4	.99D	.15N	257.3	9.9	65.9	79.9	167.0	2.0
	.3		28.6	81.9	.99S	.11N	119.5	84.0	.99D	.14N	254.5	10.0	65.9	79.9	164.2	1.5
			CONE A		5 EXA	.54	CONE C		2 EXC	.74			CONE B		2 EXB	.88

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	74.0	50-12-10	211.6	17.8	.35S	.94N	10.3	73.4	.11D	.99N	180.9	61.1	282.1	6.1	15.4	28.1
			189.4	15.1	.09D	1.00N	15.0	75.0	.03S	1.00N	197.0	60.0	104.6	1.4	13.8	30.0
ROTATION ABOUT A,C,B AXIS																
	-0.4		189.4	15.1	.10D	.99N	15.4	75.0	.03S	1.00N	197.6	60.0	105.0	1.5	14.1	30.0
	11.8		189.4	15.1	.11S	.99N	2.8	75.0	.03D	1.00N	180.3	60.0	273.2	1.7	4.2	30.0
	-76.8		108.1	78.7	.96D	.26N	15.0	75.0	.98S	.20N	242.0	18.8	53.7	71.0	151.1	2.6
	32.0		261.3	33.7	.88S	.47N	15.0	75.0	.51D	.86N	160.6	50.5	293.7	29.4	38.2	23.9
	-0.4		189.2	14.7	.10D	1.00N	15.0	75.4	.03S	1.00N	197.0	59.6	104.6	1.4	13.8	30.4
	1.2		189.8	16.3	.09D	1.00N	15.0	73.8	.03S	1.00N	197.1	61.2	104.6	1.4	13.8	28.8
			CONE A		13 EXA	.99	CONE C		4 EXC	.87			CONE B		36 EXB	.89

405
* JANUARY 12, 1956 H = 05.46.08 47.4N 19.1E DEPTH 25 KM. M = 5.7
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	99.9	10-1-0	278.6	60.7	.64S	.77T	158.4	48.1	.75D	.66T	305.8	7.3	210.9	34.1	46.3	54.9
			276.7	59.5	.78S	.62T	164.7	57.5	.80D	.60T	310.3	1.2	219.2	42.4	41.6	47.6
ROTATION ABOUT A,C,B AXIS																
	-18.2		276.7	59.5	.55S	.84T	148.9	43.9	.68D	.73T	299.8	8.7	205.1	28.2	45.3	60.3
	43.8		276.7	59.5	1.00S	.09N	9.3	85.5	.86D	.51N	147.5	24.5	287.0	59.1	49.1	17.7
	-32.0		257.3	85.8	.84S	.54T	164.7	57.5	1.00D	.09T	296.5	19.1	173.9	57.2	36.0	25.5
	22.4		296.9	43.4	.63S	.78T	164.7	57.5	.51D	.86T	143.3	7.7	237.0	25.5	37.8	63.2
	-16.0		289.9	70.1	.72S	.70T	181.6	49.0	.89D	.45T	321.3	12.9	219.2	42.4	64.4	44.7
	.5		276.2	59.2	.78S	.62T	164.2	57.8	.80D	.61T	310.0	.8	219.2	42.4	40.9	47.6
			CONE A		30 EXA	.70	CONE C		32 EXC	.73			CONE B		58 EXB	.12

406
JANUARY 31, 1956 H = 09.17.11 4S 152E DEPTH 400 KM. M = 7.1
HODGSON, J.H. AND STEVENS, A.E. 1958 PUB. DOM. OBS., 19, 283.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		66-4	-	-			-	-					-	-		
	93.0	66-4-4	95.9	45.4	.11S	.99N	266.7	45.0	.11O	.99N	356.8	85.4	181.3	4.6	91.3	.2
			91.7	45.9	.12S	.99N	261.6	44.6	.13O	.99N	349.5	84.9	176.6	5.1	86.7	.7
ROTATION ABOUT A,C,B AXIS																
	-27.8		91.7	45.9	.35O	.94N	300.2	47.8	.34S	.94N	192.5	75.3	16.5	14.7	286.2	1.0
	24.6		91.7	45.9	.53S	.85N	230.2	52.3	.48O	.88N	348.2	67.6	158.5	22.1	249.9	3.4
	-44.8		34.4	56.2	.51O	.86N	261.6	44.6	.61S	.79N	158.9	63.8	322.9	25.3	55.9	6.3
	19.2		116.5	51.1	.40S	.92N	261.6	44.6	.45O	.90N	359.7	71.5	191.1	18.2	100.0	3.4
	-2.8		92.2	43.1	.13S	.99N	262.1	47.3	.12O	.99N	19.4	84.5	176.6	5.1	267.0	2.1
	9.6		90.3	55.4	.11S	.99N	259.5	35.1	.15O	.99N	293.0	78.6	176.8	5.1	85.9	10.2
			CONE A	28 EXA	.81		CONE C	25 EXC	.76				CONE B	58 EXB	.18	

THE ABOVE SOLN. REPRESENTS UNDEFINED CENTRAL COMPRESSIONAL CIRCLES.

407
FEBRUARY 1, 1956 H = 13.41.44 19N 145.5E DEPTH 350 KM. M = 6.8
HODGSON, J.H. AND STEVENS, A.E. 1958 PUB. DOM. OBS., 19, 283.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		131-15	-	-			-	-					-	-		
	91.6	131-16-14	102.2	71.5	1.00S	.03N	192.7	88.4	.95O	.32N	329.0	14.1	107.5	71.4	236.0	11.8
			86.3	38.4	.80S	.59N	206.3	68.4	.54O	.84N	345.3	54.6	129.5	30.0	229.7	17.1
ROTATION ABOUT A,C,B AXIS																
	-18.2		86.3	38.4	.58S	.82N	224.1	59.6	.42O	.91N	358.1	65.8	147.2	21.1	241.6	11.3
	.4		86.3	38.4	.81S	.59N	205.9	68.6	.54O	.84N	345.0	54.3	129.1	30.2	229.5	17.2
	-51.2		343.8	28.3	.63O	.78N	206.3	68.4	.32S	.95N	55.1	62.0	289.2	17.3	192.2	21.3
	32.0		106.3	66.4	.92S	.40N	206.3	68.4	.90O	.43N	336.9	32.9	154.0	57.1	246.0	1.3
	-0.6		87.1	38.0	.81S	.58N	206.6	68.9	.54O	.84N	346.2	54.2	129.5	30.0	230.1	17.6
	22.4		64.1	54.3	.62S	.79N	190.8	50.3	.65O	.76N	304.3	59.9	129.5	30.0	38.2	2.2
			CONE A	44 EXA	.72		CONE C	21 EXC	.19				CONE B	39 EXB	.78	

THE ABOVE SOLN. REPRESENTS UNDEFINED CENTRAL COMPRESSIONAL CIRCLES.

408
* FEBRUARY 1, 1956 H = 15.10 39.2N 15.8E DEPTH 215 KM.
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	91.9	28-2-2	122.4	87.8	.24S	.97N	221.4	13.9	.99O	.16N	316.3	45.5	211.9	13.7	109.6	41.2
			122.6	87.7	.23S	.97N	222.0	13.7	.99O	.17N	316.3	45.7	212.1	13.5	110.0	41.2
ROTATION ABOUT A,C,B AXIS																
	-7.0		122.6	87.7	.11S	.99N	231.8	6.9	.94O	.33N	309.3	46.9	212.3	6.5	116.3	42.3
	18.2		122.6	87.7	.53S	.85N	216.3	31.8	1.00O	.08N	331.2	39.0	211.2	31.7	95.6	34.9
	-1.4		121.2	87.4	.23S	.97N	222.0	13.7	.98O	.19N	315.0	46.0	210.6	13.5	108.6	40.9
	44.8		346.4	82.1	.20S	.98T	222.0	13.7	.82O	.58T	356.2	36.1	257.9	11.2	153.4	51.6
	-14.4		126.1	73.7	.24S	.97N	264.2	21.4	.64O	.77N	325.6	59.0	212.1	13.5	115.0	27.4
	.3		122.5	88.0	.23S	.97N	220.8	13.7	.99O	.15N	316.2	45.4	212.1	13.5	109.8	41.5
			CONE A	26 EXA	.68		CONE C	19 EXC	.42				CONE B	34 EXB	.45	

409
FEBRUARY 9, 1956 H = 14.32.40 31.5N 116W DEPTH NORMAL M = 6.7
HODGSON, J.H. AND STEVENS, A.E. 1958 PUB. DOM. OBS., 19, 283.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		91-17	109	85			18	72					35	71		
	83.8	90-21-17	116.4	76.2	.95S	.31T	21.9	72.2	.97D	.25T	158.8	2.7	62.3	67.2	249.9	22.6
			117.0	78.6	.97S	.23T	24.3	77.0	.98D	.20T	160.5	1.1	67.0	72.5	250.9	17.5
ROTATION ABOUT A,C,B AXIS																
	-5.4		117.0	78.6	.95S	.32T	23.2	71.7	.98D	.21T	159.3	4.7	57.4	68.2	251.2	21.2
	6.2		117.0	78.6	.99S	.12T	25.6	83.0	.98D	.20T	341.8	3.1	84.8	76.6	251.1	13.0
	-4.8		115.9	83.2	.97S	.23T	24.3	77.0	.99D	.12T	159.4	4.3	52.7	75.2	250.5	14.1
	3.6		117.9	75.1	.97S	.23T	24.3	77.0	.96D	.26T	341.3	1.3	74.9	70.0	250.8	20.0
	-8.0		124.9	80.5	.97S	.25T	32.4	75.5	.99D	.11T	168.1	3.5	67.0	72.5	259.2	17.1
	12.8		104.2	75.9	.98S	.18T	11.6	79.9	.97D	.25T	328.2	2.8	67.0	72.5	237.3	17.3

CONE A 13 EXA .60 CONE C 16 EXC .44 CONE B 10 EXB .28

410
FEBRUARY 9, 1956 H = 21.55.33 36.1N 139.9E DEPTH 60 KM.
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA			123	60			350	40					50	22		
	100.0	17-0	117.4	63.2	.53S	.85T	351.9	41.0	.73D	.69T	140.2	12.4	43.3	28.5	251.1	58.4
			117.6	63.0	.54S	.84T	352.2	41.3	.73D	.69T	140.6	12.1	43.8	28.7	251.0	58.4
ROTATION ABOUT A,C,B AXIS																
	-1.4		117.6	63.0	.52S	.86T	350.7	40.3	.71D	.70T	139.7	12.6	43.0	27.5	251.8	59.3
	3.0		117.6	63.0	.58S	.81T	355.2	43.5	.75D	.66T	142.4	11.1	45.6	31.2	249.6	56.5
	-12.8		106.2	70.4	.60S	.80T	352.2	41.3	.86D	.51T	132.7	17.1	30.4	34.6	244.4	50.2
	11.2		128.8	57.4	.45S	.89T	352.2	41.3	.58D	.82T	147.7	8.6	54.1	22.5	257.4	65.7
	-0.4		117.9	63.4	.54S	.84T	352.7	41.0	.73D	.68T	140.8	12.5	43.8	28.7	251.8	58.2
	4.8		114.6	59.0	.56S	.83T	347.3	44.7	.68D	.73T	138.2	8.0	43.8	28.7	242.2	60.0

CONE A 11 EXA .78 CONE C 5 EXC .15 CONE B 10 EXB .82

411
FEBRUARY 12, 1956 H = 11.49.20 19N 119.5E DEPTH NORMAL M = 6.7
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		34-7	115	65			330	30					32	15		
	80.4	34-7-6	151.7	64.0	.76S	.65N	262.4	54.0	.84D	.54N	22.7	46.5	214.8	42.9	119.1	6.1
			147.9	66.1	.21S	.98N	300.0	26.6	.43D	.90N	349.8	66.7	232.9	11.0	138.8	20.2
ROTATION ABOUT A,C,B AXIS																
	-37.4		147.9	66.1	.43D	.90N	17.3	34.2	.70S	.72N	289.9	60.6	68.7	23.0	166.3	17.3
	43.8		147.9	66.1	.83S	.56N	253.2	59.1	.88D	.47N	18.1	40.5	207.0	49.2	111.9	4.4
	-32.0		112.5	63.6	.06D	1.00N	300.0	26.6	.12S	.99N	285.1	71.2	24.0	3.0	115.0	18.5
	38.4		186.2	78.6	.41S	.91N	300.0	26.6	.90D	.44N	33.3	50.5	271.1	23.7	166.7	29.5
	-2.8		148.5	63.4	.21S	.98N	302.5	29.1	.39D	.92N	353.5	69.1	232.9	11.0	139.4	17.5
	16.0		144.5	81.8	.19S	.98N	270.4	13.8	.80D	.60N	337.3	52.0	232.9	11.0	134.8	35.9

CONE A 36 EXA .73 CONE C 39 EXC .77 CONE B 76 EXB .13

412
FEBRUARY 14, 1956 H = 00.52.50 35.7N 139.9E DEPTH 50 KM.
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA			293	75			194	60								
	90.3	37-4-4	170.3	69.3	.29S	.96N	309.4	26.6	.61D	.79N	16.4	61.9	254.1	15.9	157.3	22.5
			172.5	64.6	.40S	.91N	306.7	34.3	.65D	.76N	30.9	62.6	251.8	21.4	155.2	16.3
ROTATION ABOUT A,C,B AXIS																
	-8.6		172.5	64.6	.26S	.97N	320.2	29.4	.48D	.88N	20.6	66.9	255.8	13.7	161.2	18.2
	13.4		172.5	64.6	.60S	.80N	292.0	44.0	.79D	.62N	39.6	54.3	244.4	33.1	146.5	11.9
	-5.6		166.7	62.4	.36S	.93N	306.7	34.3	.57D	.82N	25.2	65.8	246.5	18.7	151.3	14.9
	.1		172.6	64.6	.40S	.91N	306.7	34.3	.65D	.76N	31.0	62.6	251.9	21.4	155.3	16.3
	-0.7		172.8	63.9	.41S	.91N	307.5	34.8	.64D	.77N	32.2	63.0	251.8	21.4	155.5	15.6
	5.6		170.1	69.7	.39S	.92N	299.5	30.2	.72D	.69N	22.3	58.9	251.8	21.4	152.9	21.5
			CONE A		6 EXA	.10	CONE C		12 EXC	.71			CONE B		11 EXB	.74

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	88.6	37-4-4	196.9	84.3	.96S	.30N	288.7	72.9	.99D	.10N	61.7	16.2	269.2	71.9	154.0	7.9
			197.7	84.9	.94S	.33N	289.5	70.7	1.00D	.09N	62.1	17.2	273.6	70.0	155.2	9.8
ROTATION ABOUT A,C,B AXIS																
	-31.0		197.7	84.9	.64S	.77N	293.8	39.9	.99D	.14N	52.3	37.2	283.5	39.5	166.8	28.6
	11.8		197.7	84.9	.99S	.13N	288.4	82.5	1.00D	.09N	63.1	8.9	254.0	80.9	153.4	1.7
	-7.2		195.3	78.1	.94S	.34N	289.5	70.7	.98D	.22N	61.3	22.3	255.4	67.1	153.4	5.0
	19.2		24.1	77.0	.94S	.34T	289.5	70.7	.97D	.24T	66.1	4.3	326.2	66.4	157.9	23.2
	-3.6		201.1	83.7	.95S	.33N	293.3	71.1	.99D	.12N	65.9	17.9	273.6	70.0	158.7	8.7
	2.4		195.4	85.7	.94S	.33N	287.0	70.5	1.00D	.08N	59.6	16.8	273.6	70.0	152.8	10.5
			CONE A		13 EXA	.77	CONE C		16 EXC	.86			CONE B		34 EXB	.38

413
FEBRUARY 18, 1956 H = 07.34.16 30N 137.5E DEPTH 475 KM. M = 7.3
HODGSON, J.H. AND STEVENS, A.E. 1958 PUB. DOM. OBS., 19, 283.
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		110-21	119	56			14	68					78	48		
	81.6	111-21-19	13.1	69.3	.85S	.52N	115.4	60.7	.91D	.41N	241.8	36.6	73.2	52.8	335.9	5.5
			12.9	69.1	.84S	.54N	115.7	59.9	.91D	.41N	241.6	37.4	73.7	52.0	336.1	5.9
ROTATION ABOUT A,C,B AXIS																
	-3.8		12.9	69.1	.81S	.59N	117.6	56.4	.90D	.43N	241.0	40.0	77.0	48.9	337.8	8.0
	6.2		12.9	69.1	.90S	.44N	112.9	65.6	.92D	.39N	242.1	33.0	67.1	56.9	333.6	2.3
	0		12.9	69.1	.84S	.54N	115.7	59.9	.91D	.41N	241.6	37.4	73.7	52.0	336.1	5.9
	.4		13.1	69.5	.84S	.54N	115.7	59.9	.91D	.41N	241.5	37.1	74.2	52.2	336.2	6.2
	-0.1		13.0	69.1	.84S	.54N	115.8	59.9	.91D	.41N	241.6	37.4	73.7	52.0	336.1	5.9
	.1		12.8	69.2	.84S	.54N	115.6	59.8	.91D	.41N	241.4	37.4	73.7	52.0	336.0	6.0
			CONE A		0 EXA	.50	CONE C		1 EXC	.98			CONE B		2 EXB	.96

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA		106	108	77			14	81					71	73		
	92.8	106-9-9	16.4	67.7	.64S	.77N	131.2	44.4	.84E	.54N	241.6	50.7	89.1	36.0	348.9	13.7
			16.4	67.6	.64S	.77N	130.9	44.7	.84E	.54N	241.8	50.5	88.8	36.3	348.7	13.5
ROTATION ABOUT A,C,B AXIS																
	-6.2		16.4	67.6	.55S	.83N	136.1	39.6	.80E	.60N	238.8	54.5	92.2	30.8	352.4	16.0
	10.2		16.4	67.6	.77S	.64N	124.1	53.5	.88E	.47N	244.8	43.6	82.0	45.1	343.2	8.7
	-1.0		15.5	67.0	.64S	.77N	130.9	44.7	.83E	.55N	241.3	51.2	87.7	35.8	348.1	13.1
	1.4		17.5	68.5	.65S	.76N	130.9	44.7	.85E	.52N	242.3	49.5	90.3	37.0	349.4	14.1
	-0.3		16.6	67.4	.64S	.77N	131.3	44.9	.84E	.54N	242.2	50.6	88.8	36.3	348.8	13.2
	.8		15.8	68.3	.64S	.77N	129.9	44.3	.85E	.53N	240.5	50.2	88.8	36.3	348.1	14.2
			CONE A		2 EXA	.54	CONE C		4 EXC	.93			CONE B		6 EXB	.85

COMBINATION OF HODGSON AND ICHIKAWA, WITH ADDITIONAL DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN. IN CASES OF DISAGREEMENT OF DATA STATION IS DISCARDED.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
88.8	193-25-23	14.1	69.0	.81S	.59N	118.8	56.6	.90E	.43N	242.3	40.0	78.0	48.9	338.9	7.8
		15.1	68.9	.72S	.69N	124.0	49.9	.88E	.47N	241.7	45.2	84.4	42.5	343.6	11.6
ROTATION ABOUT A,C,B AXIS															
-7.0		15.1	68.9	.63S	.77N	128.8	43.9	.85E	.52N	239.2	49.9	88.6	36.3	347.4	14.8
11.8		15.1	68.9	.85S	.53N	117.7	60.5	.91E	.41N	243.9	37.0	75.0	52.5	338.0	5.4
-0.7		14.6	68.4	.72S	.69N	124.0	49.9	.88E	.48N	241.5	45.7	83.6	42.1	343.2	11.3
.2		15.3	69.0	.72S	.69N	124.0	49.9	.88E	.47N	241.8	45.1	84.6	42.6	343.7	11.6
-0.4		15.4	68.6	.73S	.69N	124.5	50.1	.88E	.47N	242.3	45.3	84.4	42.5	343.9	11.3
.5		14.7	69.2	.72S	.69N	123.5	49.7	.89E	.46N	241.1	45.1	84.4	42.5	343.3	11.9
		CONE A		1 EXA	.00	CONE C		4 EXC	.95			CONE B		4 EXB	.95

414
* FEBRUARY 20, 1956 H = 20.31.37 39.7N 30.5E DEPTH 25 KM. M = 6.7
SOBOUTI, M. 1964 DOCTORAL THESIS, U. OF PARIS. DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
SOUBOUTI	92.8	52-5-5	232.9	57.3	.66S	.75N	354.7	50.6	.72E	.70N	109.4	56.1	297.7	33.6	205.2	3.8
			229.6	53.7	.63S	.78N	355.9	51.1	.65E	.76N	110.8	59.7	294.1	30.3	203.2	1.5
ROTATION ABOUT A,C,B AXIS																
-1.0			229.6	53.7	.61S	.79N	356.9	50.4	.64E	.77N	110.6	60.3	294.9	29.6	203.9	1.8
1.8			229.6	53.7	.65S	.76N	354.2	52.3	.66E	.75N	110.9	58.4	292.7	31.6	202.2	.8
-0.1			229.5	53.6	.63S	.78N	355.9	51.1	.65E	.76N	110.8	59.7	294.0	30.3	203.2	1.4
6.4			235.4	57.8	.67S	.74N	355.9	51.1	.73E	.68N	111.6	55.1	299.8	34.6	207.1	3.9
-4.8			233.5	50.0	.66S	.75N	359.7	54.8	.62E	.79N	120.3	59.6	294.1	30.3	25.7	2.7
1.0			228.8	54.5	.62S	.78N	355.1	50.3	.66E	.75N	108.7	59.6	294.1	30.3	202.7	2.4
			CONE A		6 EXA	.11	CONE C		4 EXC	.52			CONE B		4 EXB	.57

DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	82.7	26-4-4	223.9	40.5	.85S	.53N	339.5	69.7	.59D	.81N	117.8	51.5	263.6	33.3	5.2	17.0
			220.1	36.4	.83S	.56N	338.4	70.7	.52D	.85N	120.1	53.3	259.9	29.6	1.6	19.6
ROTATION ABOUT A,C,B AXIS																
	-4.6		220.1	36.4	.78S	.62N	342.6	68.4	.50D	.87N	123.4	56.1	264.7	27.7	4.5	18.0
	1.0		220.1	36.4	.84S	.54N	337.5	71.3	.53D	.85N	119.6	52.8	258.8	29.9	.9	20.0
	-8.0		211.2	30.0	.75S	.66N	338.4	70.7	.40D	.92N	126.5	57.7	256.6	22.1	356.2	22.2
	7.2		226.1	42.5	.87S	.49N	338.4	70.7	.63D	.78N	116.0	48.9	263.2	36.2	5.9	16.7
	-1.0		221.6	35.8	.84S	.54N	339.0	71.6	.52D	.85N	121.6	52.7	259.9	29.6	2.2	20.5
	2.0		217.4	37.5	.81S	.59N	337.3	69.0	.53D	.85N	117.3	54.4	259.9	29.6	.5	17.9
			CONE A		7 EXA	.80	CONE C		4 EXC	.46			CONE B		9 EXB	.63

COMBINATION OF SOBOUTI AND E.S.A. IN CASES OF DISAGREEMENT OF DATA STATION IS DISCARDED.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
90.7	52-7-6	233.1	58.6	.66S	.75N	353.6	50.4	.74D	.68N	108.2	55.1	298.3	34.5	205.0	4.7
		228.6	55.0	.63S	.77N	353.7	50.7	.67D	.74N	108.0	58.7	293.5	31.2	202.0	2.4
ROTATION ABOUT A,C,B AXIS															
-1.4		228.6	55.0	.61S	.79N	355.0	49.7	.66D	.75N	107.7	59.6	294.5	30.2	202.8	3.0
2.6		228.6	55.0	.67S	.74N	351.2	52.4	.69D	.72N	108.2	56.9	291.4	33.1	200.4	1.5
-0.9		227.7	54.4	.63S	.78N	353.7	50.7	.66D	.75N	108.0	59.3	292.7	30.6	201.5	2.1
4.8		233.0	58.1	.67S	.75N	353.7	50.7	.73D	.68N	108.7	55.3	297.8	34.4	204.9	4.3
-7.2		234.6	49.5	.68S	.73N	359.5	56.2	.62D	.78N	122.0	58.5	293.5	31.2	25.8	3.8
.6		228.1	55.4	.63S	.78N	353.2	50.2	.67D	.74N	106.9	58.6	293.5	31.2	201.7	2.9
		CONE A		7 EXA	.27	CONE C		6 EXC	.49			CONE B		5 EXB	.30

415
MAY 22, 1956 H = 12.36.12 4S 152.5E DEPTH 540 KM. M = 6.7
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		25-5	130	90			40	70			RITSEMA	25-5	ALTER	50	60	143	85
													40	70			
	87.2	25-5-3	120.7	83.5	.97S	.26T	28.9	75.0	.99D	.12T	164.2	5.9	53.6	73.6	255.8	15.2
			148.9	67.9	.29S	.96T	8.1	27.7	.59D	.81T	161.8	21.1	65.5	15.8	301.5	63.2
ROTATION ABOUT A,C,B AXIS																
	-50.2		148.9	67.9	.55D	.84T	268.8	39.1	.80S	.60T	125.1	16.4	225.1	30.4	10.7	54.6
	63.0		148.9	67.9	.99S	.17T	55.1	80.8	.92D	.38T	13.7	8.8	123.9	65.9	280.1	22.3
	-57.6		275.0	88.4	.46S	.89N	8.1	27.7	1.00D	.06N	120.5	40.2	4.2	27.6	250.7	37.3
	44.8		198.2	62.7	.08D	1.00T	8.1	27.7	.16S	.99T	194.7	17.6	286.0	4.1	28.7	71.9
	-28.8		337.1	84.4	.27S	.96N	85.9	16.8	.94D	.34N	174.0	48.2	65.5	15.8	323.0	37.4
	25.6		138.3	43.8	.39S	.92T	349.0	50.5	.35D	.94T	334.5	3.5	65.5	15.8	232.5	73.8
			CONE A		75 EXA	.47	CONE C		78 EXC	.52			CONE B		108 EXB	.10

416
MAY 23, 1956 H = 20.48.30 15.5S 179W DEPTH 475 KM. M = 7
HODGSON, J.H. AND STEVENS, A.E. 1958 PUB. DOM. OBS., 19, 283.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		145	-	-			-	-					-	-		
	89.1	145-20-16	158.2	88.3	.73S	.69T	66.6	46.7	1.00D	.04T	193.7	27.7	70.0	46.6	301.6	30.4
			189.7	65.0	.06S	1.00T	17.5	25.2	.12D	.99T	192.2	19.9	101.1	3.0	2.9	69.8
ROTATION ABOUT A,C,B AXIS																
	-50.2		189.7	65.0	.73D	.68T	301.3	51.7	.84S	.54T	158.3	8.0	255.4	41.4	59.4	47.5
	43.8		189.7	65.0	.73S	.68T	78.2	51.9	.84D	.54T	221.3	7.9	124.2	41.6	319.9	47.3
	-28.8		158.9	69.8	.27S	.96T	17.5	25.2	.59D	.81T	170.7	23.3	74.3	14.5	315.1	62.1
	25.6		217.8	66.2	.15D	.99T	17.5	25.2	.32S	.95T	211.4	20.8	304.4	7.8	53.9	67.7
	-16.0		190.6	80.9	.05S	1.00T	29.3	9.5	.32D	.95T	193.3	35.8	101.1	3.0	7.0	54.0
	16.0		188.5	49.0	.07S	1.00T	14.5	41.2	.08D	1.00T	191.3	3.9	101.1	3.0	333.7	85.1
			CONE A	42	EXA	.41	CONE C	55	EXC	.66			CONE B	72	EXB	.42

417
JUNE 29, 1956 H = 04.09.54 37.3N 139.3E DEPTH 20 KM.
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA		22	205	39			25	51					295	0		
	82.1	22-4-4	280.4	59.7	.50S	.87T	149.0	41.4	.65D	.76T	301.3	10.0	206.5	25.4	51.0	62.4
			280.1	58.6	.63S	.77T	157.6	48.7	.72D	.69T	306.8	5.6	213.2	32.7	45.5	56.7
ROTATION ABOUT A,C,B AXIS																
	-10.2		280.1	58.6	.49S	.87T	147.0	41.6	.62D	.78T	300.5	9.1	206.3	24.6	49.4	63.5
	27.8		280.1	58.6	.92S	.39T	177.7	70.6	.83D	.55T	141.2	7.7	241.1	51.8	45.4	37.1
	-4.8		275.8	61.7	.66S	.75T	157.6	48.7	.78D	.63T	304.1	7.6	208.6	35.6	44.3	53.4
	6.4		286.1	54.6	.59S	.81T	157.6	48.7	.64D	.77T	310.7	3.3	218.9	28.6	46.6	61.2
	-0.8		280.7	59.2	.63S	.78T	158.4	48.2	.73D	.69T	307.3	6.3	213.2	32.7	46.8	56.6
	6.4		275.0	53.7	.67S	.74T	151.9	53.3	.67D	.74T	303.3	.2	213.2	32.7	33.7	57.3
			CONE A	9	EXA	.36	CONE C	17	EXC	.81			CONE B	21	EXB	.71

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	81.0	22-4-4	102.2	64.6	.59S	.81T	342.0	43.4	.78D	.63T	127.7	12.2	29.8	32.4	235.5	54.8
			100.0	67.7	.83S	.56T	355.6	58.8	.90D	.44T	136.1	5.6	39.3	50.1	230.7	39.3
ROTATION ABOUT A,C,B AXIS																
	-21.4		100.0	67.7	.57S	.82T	341.1	40.4	.81D	.59T	124.6	15.7	24.6	31.7	237.1	53.8
	18.2		100.0	67.7	.96S	.27T	3.8	75.4	.92D	.39T	323.0	5.2	63.2	62.9	230.4	26.5
	-2.0		98.8	69.3	.83S	.55T	355.6	58.8	.91D	.41T	135.2	6.7	36.8	51.2	230.4	38.0
	5.6		103.5	63.1	.81S	.58T	355.6	58.8	.85D	.53T	138.7	2.7	45.9	46.5	231.2	43.4
	-3.6		103.1	69.7	.82S	.58T	359.4	57.3	.91D	.41T	138.8	7.8	39.3	50.1	235.2	38.8
	1.2		98.9	67.0	.83S	.55T	354.3	59.4	.89D	.45T	135.1	4.8	39.3	50.1	229.0	39.5
			CONE A	6	EXA	.37	CONE C	14	EXC	.88			CONE B	17	EXB	.81

418
JULY 9, 1956 H = 03.11.39 37N 26E DEPTH NORMAL M = 7.5
HODGSON, J.H. AND STEVENS, A.E. 1958 PUB. DOM. OBS., 19, 283.
SOBOUTI, M. 1964 DOCTORAL THESIS, U. OF PARIS. DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		98-25	208	55			313	72					245	48		
	78.9	97-21-19	9.1	87.7	.98S	.21T	278.6	77.8	1.00D	.04T	53.3	6.9	289.7	77.6	144.6	10.2
			9.0	87.7	.98S	.21T	278.6	78.0	1.00D	.04T	53.0	6.8	289.5	77.8	144.2	10.1
ROTATION ABOUT A,C,B AXIS																
	-1.4		9.0	87.7	.97S	.23T	278.5	76.6	1.00D	.04T	52.8	7.8	288.4	76.4	144.3	11.1
	0		9.0	87.7	.98S	.21T	278.6	78.0	1.00D	.04T	53.0	6.8	289.5	77.8	144.2	10.1
	-2.8		188.5	89.5	.98S	.21N	278.6	78.0	1.00D	.01N	53.0	8.8	276.2	78.0	144.2	8.1
	1.6		9.4	86.2	.98S	.21T	278.6	78.0	1.00D	.07T	53.5	5.7	296.7	77.4	144.6	11.2
	-0.1		9.1	87.8	.98S	.21T	278.7	78.0	1.00D	.04T	53.4	6.9	289.5	77.8	144.7	10.0
	.6		8.5	87.6	.98S	.21T	277.9	78.0	1.00D	.04T	52.5	6.7	289.5	77.8	143.7	10.1
			CONE A		2 EXA	.84	CONE C		1 EXC	.50			CONE B		2 EXB	.68

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
SOBOUTI	86.7	67-8-7	16.0	79.5	.94S	.34T	282.2	70.3	.98D	.19T	57.9	6.3	312.5	67.5	150.4	21.5
			16.1	79.7	.94S	.33T	282.5	70.9	.98D	.19T	58.3	6.0	313.1	68.1	150.6	21.0
ROTATION ABOUT A,C,B AXIS																
	-1.0		16.1	79.7	.94S	.35T	282.3	70.0	.98D	.19T	58.0	6.7	311.9	67.2	150.7	21.7
	2.2		16.1	79.7	.96S	.30T	282.9	73.1	.98D	.19T	58.8	4.5	316.2	70.0	150.4	19.4
	0		16.1	79.7	.94S	.33T	282.5	70.9	.98D	.19T	58.3	6.0	313.1	68.1	150.6	21.0
	.3		16.2	79.4	.94S	.33T	282.5	70.9	.98D	.19T	58.4	5.8	313.6	68.0	150.6	21.1
	-3.2		19.2	80.7	.94S	.34T	285.8	70.4	.99D	.17T	61.1	7.1	313.1	68.1	153.8	20.6
	1.8		14.4	79.1	.95S	.33T	280.6	71.3	.98D	.20T	56.6	5.3	313.1	68.1	148.6	21.2
			CONE A		1 EXA	.94	CONE C		4 EXC	.36			CONE B		1 EXB	.91

DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	83.6	50-8-8	10.7	88.4	.97S	.23T	280.3	76.5	1.00D	.03T	54.7	8.4	287.3	76.4	146.3	10.7
			9.8	88.4	.97S	.23T	279.4	76.7	1.00D	.03T	53.8	8.2	286.5	76.6	145.3	10.5
ROTATION ABOUT A,C,B AXIS																
	-3.8		9.8	88.4	.96S	.29T	279.3	72.9	1.00D	.03T	53.3	10.9	285.0	72.8	145.9	13.2
	.8		9.8	88.4	.98S	.22T	279.4	77.5	1.00D	.03T	54.0	7.7	287.0	77.4	145.3	9.9
	-2.0		189.3	89.7	.97S	.23N	279.4	76.7	1.00D	.01N	53.4	9.6	277.9	76.7	145.0	9.1
	7.2		11.5	81.4	.97S	.23T	279.4	76.7	.99D	.15T	54.9	3.3	313.4	74.0	145.8	15.6
	-2.8		12.5	89.0	.97S	.23T	282.3	76.6	1.00D	.02T	56.4	8.7	286.5	76.6	148.0	10.1
	2.4		7.5	87.8	.97S	.23T	276.9	76.7	1.00D	.04T	51.3	7.7	286.5	76.6	142.8	10.9
			CONE A		7 EXA	.43	CONE C		5 EXC	.12			CONE B		7 EXB	.50

COMBINATION OF HODGSON, SUBOUTI AND E.S.A. IN CASES OF DISAGREEMENT OF DATA STATION IS DISCARDED.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
78.2	104-22-20	150.6	64.4	.99S	.13N	243.8	83.4	.90D	.44N	20.2	22.8	167.2	63.4	284.6	13.0
		150.2	61.2	.99S	.13N	243.9	83.2	.87D	.48N	20.9	25.1	166.0	60.3	283.7	14.9
ROTATION ABOUT A,C,B AXIS															
-0.6		150.2	61.2	.99S	.15N	244.2	82.7	.87D	.49N	21.0	25.5	167.1	60.1	283.9	14.5
4.6		150.2	61.2	1.00S	.05N	241.7	87.2	.88D	.48N	19.7	22.0	156.7	61.1	282.2	17.8
-3.6		149.6	57.6	.99S	.14N	243.9	83.2	.84D	.54N	21.7	27.5	164.4	56.8	282.5	17.1
4.8		150.9	66.0	.99S	.13N	243.9	83.2	.91D	.41N	19.8	21.8	168.6	64.9	285.0	11.8
-0.1		150.3	61.2	.99S	.13N	244.0	83.3	.87D	.49N	21.1	25.0	166.0	60.3	283.9	15.0
.5		149.6	61.3	.99S	.14N	243.5	83.0	.87D	.48N	20.4	25.2	166.0	60.3	283.3	14.7
		CONE A	2 EXA	.93		CONE C	2 EXC	.88				CONE B	7 EXB	.38	

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
77.6	104-23-21	9.2	88.3	.97S	.24T	278.8	76.2	1.00D	.03T	53.2	8.5	286.1	76.1	144.8	10.9
		9.2	88.6	.97S	.23T	278.8	76.8	1.00D	.03T	53.3	8.3	285.2	76.7	144.9	10.3
ROTATION ABOUT A,C,B AXIS															
-3.0		9.2	88.6	.96S	.28T	278.8	73.8	1.00D	.03T	52.8	10.4	284.0	73.7	145.2	12.4
.8		9.2	88.6	.98S	.21T	278.9	77.6	1.00D	.03T	53.4	7.7	285.6	77.5	144.8	9.8
-1.8		188.8	89.7	.97S	.23N	278.8	76.8	1.00D	.01N	52.8	9.5	277.3	76.8	144.4	9.1
1.2		9.4	87.4	.97S	.23T	278.8	76.8	1.00D	.05T	53.3	7.5	290.3	76.5	144.8	11.2
-0.6		9.8	88.7	.97S	.23T	279.5	76.8	1.00D	.02T	53.8	8.4	285.2	76.7	145.3	10.3
2.4		6.8	88.0	.97S	.23T	276.4	76.9	1.00D	.04T	50.7	7.8	285.2	76.7	142.2	10.7
		CONE A	3 EXA	.00		CONE C	3 EXC	.21				CONE B	3 EXB	.21	

419
JULY 9, 1956 H = 09.56.13 20N 73W DEPTH 100 KM. M = 6.6
HODGSON, J.H. AND STEVENS, A.E. 1958 PUB. DOM. OBS., 19, 283.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		93-14	103	64			8	79					77	62		
	85.7	90-14-10	96.4	65.3	.96S	.27T	359.8	76.0	.90D	.43T	319.8	7.2	62.9	61.1	226.0	27.8
			56.9	23.7	.64S	.77N	194.3	72.1	.27D	.96N	351.8	59.9	109.3	15.0	206.6	25.5
ROTATION ABOUT A,C,B AXIS																
-27.8			56.9	23.7	.93S	.38N	167.3	81.3	.38D	.93N	323.4	49.0	80.9	21.9	185.9	32.7
43.8			56.9	23.7	.07D	1.00N	241.0	66.3	.03S	1.00N	64.1	68.6	330.3	1.5	239.7	21.3
-44.8			94.5	62.1	.94S	.35N	194.3	72.1	.87D	.49N	327.0	33.2	133.0	56.0	232.7	6.5
28.8			337.4	22.0	.57D	.82N	194.3	72.1	.23S	.97N	33.5	60.8	280.3	12.4	184.1	26.0
-28.8			144.1	18.1	.83S	.55T	22.0	80.1	.26D	.96T	9.1	33.4	109.3	15.0	219.8	52.5
19.2			37.8	40.2	.40S	.92N	188.0	53.7	.32D	.95N	315.4	73.4	109.3	15.0	201.2	7.0
			CONE A	59 EXA	.35		CONE C	59 EXC	.33				CONE B	73 EXB	.03	

WITH ADDITIONAL DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE
OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
85.2	103-18-13	72.7	70.5	.96S	.27T	337.3	75.0	.94D	.35T	295.7	3.0	32.2	65.0	204.3	24.8
		72.2	69.8	.96S	.27T	336.7	75.3	.93D	.36T	295.2	3.7	33.1	64.7	203.5	25.0
ROTATION ABOUT A,C,B AXIS															
-1.8		72.2	69.8	.95S	.30T	336.0	73.7	.93D	.36T	294.6	2.6	29.9	63.6	203.3	26.2
0		72.2	69.8	.96S	.27T	336.7	75.3	.93D	.36T	295.2	3.7	33.1	64.7	203.5	25.0
-0.7		72.0	70.5	.96S	.27T	336.7	75.3	.94D	.34T	295.0	3.2	32.1	65.2	203.6	24.6
.6		72.4	69.3	.96S	.27T	336.7	75.3	.93D	.37T	295.6	4.0	34.0	64.2	203.7	25.4
-0.4		72.6	69.9	.96S	.27T	337.1	75.2	.94D	.35T	295.5	3.6	33.1	64.7	203.8	25.0
4.8		67.3	68.6	.97S	.24T	332.1	77.1	.93D	.37T	290.8	5.7	33.1	64.7	198.2	24.5
		CONE A		3 EXA	.75	CONE C		3 EXC	.65			CONE B		2 EXB	.28

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
84.7	103-17-13	87.0	62.9	.98S	.22T	351.2	78.8	.89D	.46T	311.6	10.7	60.9	60.3	216.1	27.4
		67.4	30.1	.73S	.69N	196.6	69.9	.39D	.92N	344.6	58.7	114.8	21.4	213.7	21.6
ROTATION ABOUT A,C,B AXIS															
-50.2		67.4	30.1	.99S	.12T	331.4	86.5	.50D	.87T	306.1	34.7	59.4	29.8	179.2	40.9
21.4		67.4	30.1	.43S	.90N	218.7	63.1	.24D	.97N	10.7	68.8	135.1	12.4	228.9	17.0
-38.4		95.9	63.1	.92S	.38N	196.6	69.9	.88D	.48N	328.0	34.2	138.6	55.4	235.0	4.4
14.4		40.0	21.7	.37S	.93N	196.6	69.9	.15D	.99N	2.9	64.1	109.5	7.9	203.1	24.5
-22.4		116.9	21.4	1.00S	.03T	25.1	89.3	.36D	.93T	5.2	40.5	114.8	21.4	225.3	41.8
16.0		50.1	42.5	.54S	.84N	189.1	55.4	.44D	.90N	314.4	67.4	114.8	21.4	207.5	6.9
		CONE A		45 EXA	.27	CONE C		52 EXC	.46			CONE B		61 EXB	.26

420
* JULY 10, 1956 H = 03.01.25 37N 26E DEPTH 25 KM. M = 5.5
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	99.9	15-1-0	190.5	88.9	.98S	.19T	100.2	79.0	1.00D	.02T	234.8	7.0	106.1	78.9	325.9	8.6
			190.5	88.9	.98S	.19T	100.2	79.0	1.00D	.02T	234.8	7.0	106.1	78.9	325.9	8.6
ROTATION ABOUT A,C,B AXIS																
-2.2			190.5	88.9	.97S	.23T	100.2	76.8	1.00D	.02T	234.5	8.5	105.1	76.7	326.1	10.1
6.2			190.5	88.9	1.00S	.08T	100.4	85.2	1.00D	.02T	235.3	2.7	113.3	85.0	325.5	4.2
-16.0			7.3	75.4	.98S	.20N	100.2	79.0	.97D	.26N	234.3	18.3	46.0	71.5	143.5	2.5
22.4			195.0	66.9	.98S	.21T	100.2	79.0	.92D	.40T	59.2	8.2	166.5	64.1	325.5	24.4
-4.0			194.4	89.7	.98S	.19T	104.3	78.9	1.00D	.01T	239.0	7.6	106.1	78.9	330.1	8.0
0			190.5	88.9	.98S	.19T	100.2	79.0	1.00D	.02T	234.8	7.0	106.1	78.9	325.9	8.6
			CONE A		12 EXA	.90	CONE C		6 EXC	.52			CONE B		18 EXB	.78

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* JULY 21, 1956 H = 15.32.25 23.6N 70.2E DEPTH SHALLOW M = 6.5

TANDON, A.N. 1959 IND. J. METEOR. GEOPH., 10, 137.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
TANDON			327	65			61	81					349	64		
	88.1	28-5-4	346.7	11.9	.88S	.47T	229.0	84.4	.18D	.98T	219.5	38.5	318.0	10.5	60.5	49.5
			347.0	11.3	.88S	.48T	228.6	84.6	.17D	.99T	219.6	38.8	317.7	9.9	59.5	49.5
ROTATION ABOUT A,C,B AXIS																
	-4.6		347.0	11.3	.83S	.55T	224.1	83.8	.16D	.99T	215.5	38.1	313.0	9.4	54.5	50.3
	5.4		347.0	11.3	.92S	.40T	234.0	85.5	.18D	.98T	224.5	39.6	323.2	10.3	65.1	48.5
	-44.8		322.5	54.9	.99S	.12T	228.6	84.6	.82D	.58T	190.7	19.9	311.0	54.4	89.5	28.2
	19.2		108.6	10.7	.86D	.51T	228.6	84.6	.16S	.99T	237.0	38.9	139.5	9.2	38.5	49.6
	-2.0		355.2	12.4	.80S	.60T	229.0	82.6	.17D	.98T	220.2	36.8	317.7	9.9	60.3	51.4
	4.0		326.4	10.0	.99S	.15T	227.9	88.5	.17D	.99T	218.4	42.7	317.7	9.9	58.0	45.6
			CONE A		20 EXA	.91		CONE C		8 EXC	.40		CONE B		25 EXB	.84

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	87.7	28-3-0	323.9	65.2	1.00S	.09N	56.0	85.5	.91D	.42N	192.7	20.6	335.6	64.7	97.4	14.0
			319.7	65.6	1.00S	.10N	52.0	85.0	.91D	.41N	188.5	20.7	332.8	65.0	93.4	13.3
ROTATION ABOUT A,C,B AXIS																
	-7.0		319.7	65.6	.98S	.22N	54.9	78.6	.91D	.42N	189.5	25.5	347.9	62.8	95.3	8.7
	3.0		319.7	65.6	1.00S	.04N	50.7	87.7	.91D	.41N	187.8	18.7	325.7	65.5	92.5	15.3
	-0.3		319.7	65.3	1.00S	.10N	52.0	85.0	.91D	.42N	188.5	20.9	332.6	64.7	93.2	13.5
	16.0		321.2	81.5	1.00S	.09N	52.0	85.0	.99D	.15N	186.9	9.6	352.2	80.1	96.5	2.5
	-6.4		326.7	65.1	1.00S	.04N	57.8	87.7	.91D	.42N	195.1	19.0	332.8	65.0	99.6	15.6
	2.8		316.6	65.9	.99S	.12N	49.4	83.8	.91D	.41N	185.5	21.4	332.8	65.0	90.6	12.3
			CONE A		12 EXA	.44		CONE C		10 EXC	.08		CONE B		13 EXB	.39

422

* JULY 30, 1956 H = 09.14.57 35.7N 25.7E DEPTH 25 KM. M = 5.7

DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	88.2	12-1-1	226.9	66.9	.59S	.80T	108.9	42.3	.81D	.58T	252.6	14.2	153.1	33.1	2.4	53.2
			211.5	60.6	.77S	.64T	99.1	55.9	.81D	.59T	244.4	2.8	151.9	41.9	337.6	48.0
ROTATION ABOUT A,C,B AXIS																
	-37.4		211.5	60.6	.22S	.98T	56.0	31.8	.36D	.93T	220.7	14.7	127.8	10.9	2.6	71.5
	18.2		211.5	60.6	.93S	.37T	110.4	71.1	.85D	.52T	72.9	6.8	172.3	54.0	338.1	35.2
	-9.6		204.9	68.1	.80S	.60T	99.1	55.9	.89D	.45T	239.6	7.6	141.1	47.7	336.3	41.3
	25.6		235.5	43.0	.57S	.82T	99.1	55.9	.47D	.88T	79.6	6.9	172.5	22.9	333.7	66.0
	-12.8		222.0	69.2	.71S	.70T	112.8	49.1	.88D	.47T	253.1	12.2	151.9	41.9	355.9	45.5
	4.0		207.9	58.1	.79S	.62T	95.3	58.4	.78D	.62T	61.7	.2	151.9	41.9	331.5	48.1
			CONE A		24 EXA	.52		CONE C		31 EXC	.70		CONE B		44 EXB	.37

423
AUGUST 13, 1956 H = . 33.8N 138.8E DEPTH 50 KM.
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA		47	223	90			132	90								
	88.9	47-5-5	133.2	81.7	.94S	.34N	226.2	70.1	.99D	.15N	358.2	20.0	201.7	68.3	91.1	8.0
			133.4	81.6	.94S	.35N	226.6	69.5	.99D	.16N	358.3	20.5	202.3	67.7	91.5	8.3
ROTATION ABOUT A,C,B AXIS																
	-31.0		133.4	81.6	.62S	.79N	233.9	39.0	.97D	.23N	348.7	40.7	216.8	37.8	104.1	26.5
	10.2		133.4	81.6	.98S	.18N	225.0	79.6	.99D	.15N	359.1	13.4	185.3	76.5	89.4	1.4
	-19.2		125.9	63.8	.92S	.39N	226.6	69.5	.88D	.47N	357.8	34.1	169.8	55.6	265.2	3.7
	51.2		334.2	51.0	.89S	.45T	226.6	69.5	.74D	.67T	194.2	11.4	295.4	43.9	93.1	43.9
	-3.2		136.4	80.5	.94S	.35N	229.9	70.0	.98D	.18N	1.6	21.0	202.3	67.7	94.4	7.2
	4.8		128.9	83.3	.93S	.36N	221.5	68.8	.99D	.12N	353.3	19.7	202.3	67.7	86.9	10.0
			CONE A	24 EXA	.89		CONE C	18 FXC	.81				CONE B	54 EXB	.41	

424
* AUGUST 15, 1956 H = 12.02.54 43.1N 15.9E DEPTH 25 KM. M = 5.5
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	90.5	24-3-2	206.9	76.1	.67S	.74T	102.1	44.1	.94D	.34T	237.2	19.7	129.2	40.8	346.5	42.6
			213.3	78.7	.84S	.54T	116.2	58.0	.97D	.23T	251.1	13.7	140.3	55.6	349.4	30.9
ROTATION ABOUT A,C,B AXIS																
	-24.6		213.3	78.7	.54S	.84T	106.4	34.4	.94D	.35T	238.6	26.4	130.5	32.0	359.8	46.2
	7.0		213.3	78.7	.90S	.43T	118.0	64.9	.98D	.22T	253.5	9.3	145.5	62.1	348.1	26.0
	-14.4		25.6	89.1	.85S	.53N	116.2	58.0	1.00D	.02N	246.2	22.7	114.2	58.0	345.6	21.3
	9.6		218.8	70.7	.83S	.56T	116.2	58.0	.92D	.39T	255.1	8.1	154.8	51.4	351.3	37.4
	-14.4		225.4	86.7	.83S	.56T	133.2	55.8	1.00D	.07T	264.2	20.9	140.3	55.6	4.9	26.0
	16.0		199.1	70.5	.88S	.48T	98.7	62.9	.93D	.37T	237.6	4.9	140.3	55.6	330.9	33.9
			CONE A	27 EXA	.21		CONE C	31 FXC	.04				CONE B	28 EXB	.24	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	88.0	24-3-2	37.8	77.1	.57S	.82N	145.5	36.9	.93D	.37N	253.6	46.3	118.9	33.9	11.5	24.0
			27.6	85.0	.65S	.76N	123.5	40.4	.99D	.13N	242.4	36.9	113.4	40.0	356.3	28.5
ROTATION ABOUT A,C,B AXIS																
	-27.8		27.6	85.0	.21S	.98N	139.3	13.3	.93D	.38N	220.8	48.6	116.5	12.3	16.4	38.8
	21.4		27.6	85.0	.88S	.48N	120.3	61.7	1.00D	.10N	250.3	23.4	108.5	61.2	347.4	15.9
	-11.2		18.9	77.9	.63S	.78N	123.5	40.4	.95D	.32N	236.5	43.4	99.3	37.8	350.1	23.0
	25.6		227.3	78.5	.63S	.78T	123.5	40.4	.95D	.31T	256.3	23.4	146.5	38.1	10.0	42.8
	-19.2		40.6	70.6	.68S	.73N	150.3	46.4	.89D	.46N	264.8	46.3	113.4	40.0	10.7	14.7
	12.8		199.4	85.2	.64S	.76T	103.7	40.4	.99D	.13T	230.7	28.6	113.4	40.0	344.7	36.7
			CONE A	34 EXA	.13		CONE C	40 FXC	.35				CONE B	43 EXB	.25	

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SEPTEMBER 29, 1956 H = 21.20.52 38.0N 140.5E DEPTH 20 KM.
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA		46	101	70			281	20					11	0		
	95.3	46-2-2	78.2	76.6	.63S	.78N	184.2	40.7	.93D	.35N	296.5	44.4	157.6	37.6	49.6	21.8
			42.3	51.3	.39S	.92N	188.4	44.0	.44D	.90N	284.6	72.0	117.6	17.6	26.4	3.8
ROTATION ABOUT A,C,B AXIS																
	-6.2		42.3	51.3	.29S	.96N	196.8	41.6	.34D	.94N	280.0	76.1	121.8	12.9	30.7	5.0
	18.2		42.3	51.3	.66S	.75N	168.1	53.9	.63D	.77N	287.1	59.2	103.8	30.8	194.7	1.5
	-16.0		21.9	46.8	.16S	.99N	188.4	44.0	.17D	.99N	273.7	83.1	105.5	6.8	15.3	1.4
	44.8		84.2	76.7	.67S	.74N	188.4	44.0	.94D	.33N	304.1	42.2	162.3	40.9	53.7	20.3
	-14.4		51.3	38.3	.49S	.87N	195.8	57.2	.36D	.93N	328.8	69.6	117.6	17.6	210.8	9.9
	12.8		36.8	63.2	.34S	.94N	178.2	32.9	.56D	.83N	252.7	65.9	117.6	17.6	22.4	16.0
			CONE A	41 EXA	.55		CONE C	26 EXC	.10				CONE B	39 EXB	.60	

426
SEPTEMBER 29, 1956 H = 23.20.52 35.5N 140E DEPTH 100 KM. M = 7
HODGSON, J.H. ET AL 1962 PUB. DOM. OBS., 26, 229.
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		125-17	277	27			73	66					346	6		
	85.0	120-19-17	230.9	27.0	.67S	.74T	96.6	70.4	.32D	.95T	82.1	23.1	180.0	17.8	304.0	60.1
			243.2	37.4	.52S	.85T	101.0	58.8	.37D	.93T	85.4	11.3	179.2	18.6	325.8	68.0
ROTATION ABOUT A,C,B AXIS																
	-8.6		243.2	37.4	.39S	.92T	91.3	56.0	.29D	.96T	79.4	9.6	171.8	13.7	315.5	73.2
	.4		243.2	37.4	.53S	.85T	101.4	59.0	.38D	.93T	85.7	11.4	179.6	18.8	326.1	67.8
	-28.8		213.9	57.2	.79S	.62T	101.0	58.8	.77D	.63T	67.9	1.0	158.7	41.4	336.8	48.6
	16.0		269.7	31.7	.17S	.99T	101.0	58.8	.10D	.99T	96.7	13.6	187.9	5.0	297.6	75.5
	-0.2		243.3	37.6	.52S	.85T	101.0	58.6	.37D	.93T	85.4	11.1	179.2	18.6	326.3	68.2
	12.8		228.5	27.3	.70S	.72T	95.9	70.8	.34D	.94T	80.9	23.3	179.2	18.6	304.0	59.4
			CONE A	24 EXA	.71		CONE C	11 EXC	.31				CONE B	20 EXB	.80	

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
84.1	120-19-17	72.7	65.9	.12S	.99T	269.5	25.0	.26D	.96T	78.0	20.6	345.6	6.4	239.2	68.3
		95.3	53.1	.24D	.97T	252.9	39.1	.31S	.95T	85.5	7.1	176.9	11.1	323.4	76.8
ROTATION ABOUT A,C,B AXIS															
-31.0		95.3	53.1	.71D	.71T	216.4	55.5	.68S	.73T	245.3	1.4	154.4	34.4	337.4	55.6
24.6		95.3	53.1	.19S	.98T	292.7	38.2	.24D	.97T	102.9	7.5	11.8	8.5	233.9	78.6
-38.4		47.0	53.8	.28S	.96T	252.9	39.1	.35D	.94T	58.3	7.5	326.6	12.8	178.1	75.1
4.0		100.1	54.1	.29D	.96T	252.9	39.1	.37S	.93T	88.2	7.7	180.1	13.5	329.3	74.4
-16.0		91.2	68.7	.21D	.98T	241.1	24.3	.47S	.88T	82.2	22.8	176.9	11.1	291.0	64.4
0		95.3	53.1	.24D	.97T	252.9	39.1	.31S	.95T	85.5	7.1	176.9	11.1	323.4	76.8
		CONE A	26 EXA	.62		CONE C	30 EXC	.71				CONE B	49 EXB	.24	

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA		44	243	25			89	67					175	9		
	97.2	44-1-1	233.6	29.0	.66S	.75T	98.9	68.7	.34D	.94T	83.8	21.2	181.3	18.7	309.1	61.1
			233.6	29.0	.66S	.75T	98.9	68.7	.34D	.94T	83.8	21.2	181.3	18.7	309.1	61.1
ROTATION ABOUT A,C,B AXIS																
	-0.4		233.6	29.0	.66S	.75T	98.5	68.6	.34D	.94T	83.5	21.1	180.9	18.5	308.6	61.3
	8.6		233.6	29.0	.77S	.64T	107.4	71.9	.39D	.92T	89.9	23.5	189.9	21.8	317.9	57.0
	-19.2		212.8	43.9	.85S	.52T	98.9	68.7	.63D	.77T	71.3	14.6	172.3	36.2	323.1	50.0
	11.2		255.5	23.0	.37S	.93T	98.9	68.7	.16D	.99T	92.0	23.2	185.6	8.3	294.0	65.2
	-1.4		235.5	30.0	.64S	.77T	99.4	67.4	.35D	.94T	84.3	19.9	181.3	18.7	311.1	62.1
	.9		232.4	28.3	.68S	.74T	98.6	69.5	.34D	.94T	83.4	22.0	181.3	18.7	308.0	60.4
			CONE A		8 EXA	.92	CONE C		5 EXC	.74			CONE B		17 EXB	.70

COMBINATION OF HODGSON AND ICHIKAWA. IN CASES OF DISAGREEMENT OF DATA STATION IS DISCARDED.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
87.0	129-17-15	58.3	63.9	.32S	.95T	276.2	31.8	.55D	.83T	72.2	16.8	336.9	16.9	204.5	65.8
		74.5	56.1	.05S	1.00T	259.2	34.0	.07D	1.00T	76.4	11.1	346.0	2.2	244.9	78.7
ROTATION ABOUT A,C,B AXIS															
-27.8		74.5	56.1	.42D	.91T	214.4	41.3	.53S	.85T	56.8	7.9	149.8	20.6	307.0	67.8
15.0		74.5	56.1	.30S	.95T	284.2	37.7	.41D	.91T	87.0	9.5	354.5	14.6	209.0	72.5
-8.0		64.9	56.8	.14S	.99T	259.2	34.0	.21D	.98T	70.7	11.5	339.3	6.7	219.6	76.7
4.8		80.3	56.0	.01D	1.00T	259.2	34.0	.01S	1.00T	79.8	11.0	169.9	.5	262.5	79.0
-11.2		75.0	67.3	.04S	1.00T	261.2	22.8	.10D	1.00T	76.9	22.3	346.0	2.2	250.6	67.6
.1		74.5	56.0	.05S	1.00T	259.2	34.1	.07D	1.00T	76.4	11.0	346.0	2.2	244.8	78.8
		CONE A		12 EXA	.12	CONE C		22 EXC	.74			CONE B		23 EXB	.70

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
86.5	129-17-15	70.6	65.6	.22S	.98T	279.3	27.3	.44D	.90T	80.1	19.6	345.9	11.6	227.1	66.9
		90.8	55.1	.05D	1.00T	265.9	35.0	.07S	1.00T	88.8	10.1	179.2	2.3	281.9	79.7
ROTATION ABOUT A,C,B AXIS															
-18.2		90.8	55.1	.36D	.93T	236.9	40.1	.46S	.89T	76.0	7.8	168.4	17.1	322.3	71.1
10.2		90.8	55.1	.13S	.99T	283.6	35.6	.18D	.98T	96.1	9.8	5.0	6.1	243.6	78.4
-0.5		90.2	55.0	.04D	1.00T	265.9	35.0	.06S	1.00T	88.4	10.0	178.8	2.0	280.0	79.8
8.0		100.5	55.8	.14D	.99T	265.9	35.0	.21S	.98T	94.5	10.5	185.8	6.9	308.6	77.4
-14.4		90.0	69.5	.04D	1.00T	263.1	20.7	.11S	.99T	88.2	24.5	179.2	2.3	274.2	65.4
.3		90.8	54.8	.05D	1.00T	265.9	35.3	.07S	1.00T	88.8	9.8	179.2	2.3	282.3	80.0
		CONE A		11 EXA	.42	CONE C		20 EXC	.48			CONE B		16 EXB	.70

427
OCTOBER 11, 1956 H = 02.24.33 46N 150.5E DEPTH 100 KM. M = 7.3
HODGSON, J.H. ET AL 1962 PUB. DOM. OBS., 26, 229.
STEVENS, A.E. 1965 DOCTORAL THESIS, U. OF WESTERN ONTARIO

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STEVENS		S - SOLN.	327	84			62	48			185	33	50	47	292	24
HODGSON		164-35	342	86			74	60					64	60		
	76.6	164-39-36	240.9	26.1	.88S	.47N	356.6	78.0	.40D	.92N	149.9	51.5	271.7	22.8	15.3	29.2
			242.1	25.6	.91S	.41N	354.0	79.9	.40D	.92N	148.0	49.6	268.4	23.3	13.3	30.9
ROTATION ABOUT A,C,B AXIS																
	-7.0		242.1	25.6	.86S	.52N	.6	77.1	.38D	.92N	154.2	52.7	275.8	21.8	18.4	28.7
	4.6		242.1	25.6	.94S	.33N	349.7	81.7	.41D	.91N	144.1	47.7	263.5	24.1	10.0	32.4
	-0.7		241.4	25.0	.91S	.42N	354.0	79.9	.39D	.92N	148.7	49.9	268.3	22.6	12.9	31.1
	2.4		244.2	27.8	.93S	.38N	354.0	79.9	.44D	.90N	146.0	48.5	268.9	25.6	15.0	30.1
	-0.1		242.3	25.6	.91S	.40N	354.0	79.9	.40D	.92N	148.0	49.6	268.4	23.3	13.3	30.9
	1.0		240.0	26.1	.90S	.44N	353.6	78.9	.40D	.92N	147.0	50.5	268.4	23.3	12.8	29.9
			CONE A	2 EXA	.65		CONE C	4 FXC	.91				CONE B	6 EXB	.73	

428
* NOVEMBER 2, 1956 H = 16.04.33 39.5N 23E DEPTH 25 KM. M = 5
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	100.0	12-0	308.4	77.9	.88S	.47T	212.0	62.4	.97D	.24T	347.7	10.3	239.7	59.4	83.4	28.4
			314.8	80.5	.91S	.42T	220.5	65.6	.98D	.18T	355.5	10.1	244.5	63.6	90.1	24.1
ROTATION ABOUT A,C,B AXIS																
	-18.2		314.8	80.5	.73S	.68T	216.1	47.8	.97D	.22T	348.5	21.0	234.9	46.2	94.9	36.3
	4.6		314.8	80.5	.94S	.34T	221.4	70.2	.98D	.18T	356.8	7.1	249.1	67.8	89.5	20.9
	-12.8		129.5	87.9	.91S	.41N	220.5	65.6	1.00D	.04N	352.2	18.5	214.8	65.5	87.5	15.4
	38.4		335.7	46.7	.82S	.57T	220.5	65.6	.66D	.75T	192.1	11.1	290.6	36.8	88.1	51.0
	-12.8		326.5	86.0	.90S	.44T	234.5	64.0	1.00D	.08T	7.5	15.1	244.5	63.6	103.5	21.1
	8.0		307.4	77.2	.92S	.40T	211.9	67.3	.97D	.24T	348.1	6.7	244.5	63.6	81.3	25.4
			CONE A	33 EXA	.59		CONE C	22 FXC	.09				CONE B	34 EXB	.55	

429
NOVEMBER 4, 1956 H = 05.37.15 35.6N 140.2E DEPTH 80 KM.
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
													188	8		
ICHIKAWA		35	203	10			98	85								
	96.5	35-1-1	208.7	9.1	.94S	.34T	99.1	86.9	.15D	.99T	91.0	41.3	188.6	8.6	288.1	47.4
			213.8	11.8	.91S	.40T	100.4	85.3	.19D	.98T	90.5	39.4	189.5	10.8	292.0	48.6
ROTATION ABOUT A,C,B AXIS																
	-3.0		213.8	11.8	.89S	.45T	97.5	84.7	.18D	.98T	87.9	38.8	186.5	10.5	288.9	49.2
	1.0		213.8	11.8	.92S	.39T	101.4	85.5	.19D	.98T	91.5	39.5	190.6	10.9	293.1	48.4
	-2.0		210.4	13.7	.94S	.35T	100.4	85.3	.22D	.98T	88.8	39.0	189.4	12.8	294.1	48.2
	2.4		219.6	9.7	.87S	.49T	100.4	85.3	.15D	.99T	92.7	39.7	189.7	8.4	289.5	49.0
	0		213.8	11.8	.91S	.40T	100.4	85.3	.19D	.98T	90.5	39.4	189.5	10.8	292.0	48.6
	4.8		189.7	10.8	1.00S	0T	99.5	90.0	.19D	.98T	88.9	44.0	189.5	10.8	290.1	44.0
			CONE A	5 EXA	.08		CONE C	4 FXC	.17				CONE B	4 EXB	.09	

430
NOVEMBER 29, 1956 H = 09.15.20 27N 141E DEPTH NORMAL M = 7
HODGSON, J.H. ET AL 1962 PUB. DOM. OBS., 26, 229.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		82-10	42	34			250	58					332	13		
	89.7	82-11-11	221.6	59.1	.01S	1.00N	40.9	30.9	.01D	1.00N	42.6	75.9	311.4	.3	221.3	14.1
			213.9	60.5	.10D	.99N	45.5	30.0	.17S	.98N	19.1	73.8	126.7	5.0	218.1	15.3
ROTATION ABOUT A,C,B AXIS																
	-6.2		213.9	60.5	.21D	.98N	57.2	31.6	.34S	.94N	5.8	71.8	129.8	10.4	222.6	14.7
	4.6		213.9	60.5	.02D	1.00N	36.2	29.5	.04S	1.00N	30.8	74.5	124.4	1.0	214.7	15.5
	-12.8		199.5	62.6	.22D	.98N	45.5	30.0	.39S	.92N	353.0	69.7	115.4	11.2	208.8	16.7
	7.2		222.1	60.1	.03D	1.00N	45.5	30.0	.05S	1.00N	37.8	74.9	133.0	1.4	223.4	15.1
	-2.8		213.5	57.8	.10D	.99N	44.6	32.7	.16S	.99N	15.5	76.4	126.7	5.0	217.8	12.6
	2.4		214.1	62.9	.10D	1.00N	46.4	27.6	.19S	.98N	21.5	71.5	126.7	5.0	218.3	17.7
			CONE A	10 EXA	.74		CONE C	7 EXC	.52				CONE B	15 EXB	.46	

431
DECEMBER 18, 1956 H = 02.31.00 25.5S 68.5W DEPTH NORMAL M = 7.2
HODGSON, J.H. ET AL 1962 PUB. DOM. OBS., 26, 229.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		76-14	-	-			349	85					-	-		
	80.1	76-15-15	348.4	84.7	.49S	.87N	87.7	29.7	.98D	.19N	196.5	42.8	75.4	29.1	324.0	33.3
			162.7	82.7	.05S	1.00T	5.2	7.9	.38D	.92T	165.4	37.6	73.1	3.0	339.2	52.2
ROTATION ABOUT A,C,B AXIS																
	-75.8		162.7	82.7	.96D	.30T	254.9	72.9	.99S	.13T	119.7	6.8	230.3	71.3	27.6	17.3
	43.8		162.7	82.7	.73S	.68T	65.8	47.3	.98D	.17T	196.7	23.0	80.4	46.3	303.8	34.8
	-9.6		153.0	83.3	.07S	1.00T	5.2	7.9	.53D	.85T	156.8	38.2	63.5	4.2	328.2	51.5
	51.2		214.3	83.1	.07D	1.00T	5.2	7.9	.48S	.88T	210.8	38.0	303.8	3.8	38.6	51.8
	-14.4		343.4	82.9	.05S	1.00N	140.1	7.7	.39D	.92N	166.9	52.0	73.1	3.0	340.8	37.8
	1.0		162.6	81.7	.05S	1.00T	2.7	8.9	.34D	.94T	165.3	36.6	73.1	3.0	339.1	53.2
			CONE A	31 EXA	.75		CONE C	43 EXC	.87				CONE B	85 EXB	.49	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	79.8	76-16-16	220.0	72.0	.98S	.19T	126.5	79.4	.95D	.31T	84.2	5.1	187.5	68.9	352.3	20.4
			235.3	52.9	.69S	.73T	112.8	54.6	.67D	.74T	84.4	1.0	175.0	33.3	352.9	56.7
ROTATION ABOUT A,C,B AXIS																
	-75.8		235.3	52.9	.54D	.84T	8.8	47.6	.58S	.82T	213.0	2.9	304.4	25.3	117.0	64.5
	50.2		235.3	52.9	1.00S	.06N	327.5	87.1	.80D	.60N	108.0	27.5	241.3	52.8	5.3	23.0
	-64.0		13.2	76.8	.80S	.60N	112.8	54.6	.96D	.28N	236.9	34.9	86.0	51.4	337.2	14.4
	38.4		286.1	35.6	.10S	1.00T	112.8	54.6	.07D	1.00T	110.0	9.5	200.5	3.2	308.9	79.9
	-28.8		255.3	75.6	.57S	.82T	145.4	37.0	.91D	.41T	281.1	22.9	175.0	33.3	38.7	47.7
	22.4		210.7	38.9	.87S	.49T	97.2	72.2	.58D	.82T	71.5	19.5	175.0	33.3	316.5	50.0
			CONE A	72 EXA	.50		CONE C	80 EXC	.59				CONE B	114 EXB	.19	

432
DECEMBER 18, 1956 H = 21.12.49 35.7N 139.3E DEPTH 120 KM.
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA		35	265	35			160	80					244	34		
	89.1	35-4-4	161.3	67.9	.92S	.38N	260.2	69.1	.92D	.40N	31.0	31.2	209.2	58.8	300.5	.8
			161.0	67.6	.92S	.39N	260.1	69.0	.91D	.41N	31.0	31.5	208.9	58.5	300.4	.9
ROTATION ABOUT A,C,B AXIS																
	-7.0		161.0	67.6	.87S	.50N	263.3	62.6	.90D	.43N	30.7	36.4	217.4	53.4	123.1	3.2
	3.0		161.0	67.6	.94S	.34N	258.8	71.7	.92D	.40N	30.8	29.4	204.5	60.5	299.3	2.7
	-1.6		160.4	66.2	.92S	.39N	260.1	69.0	.90D	.43N	30.9	32.6	206.9	57.3	299.8	1.8
	1.8		161.8	69.3	.92S	.38N	260.1	69.0	.93D	.36N	30.8	30.2	211.3	59.8	121.0	.2
	-0.1		161.1	67.6	.92S	.39N	260.2	69.0	.91D	.41N	31.0	31.5	208.9	58.5	300.4	.9
	.3		160.7	67.8	.92S	.39N	259.8	68.9	.91D	.41N	30.5	31.5	208.9	58.5	300.1	.7
			CONE A	1 EXA	.88		CONE C	2 FXC	.96				CONE B	6 EXB	.66	

433
DECEMBER 27, 1956 H = 00.14.15 24S 177W DEPTH 300 KM. M = 7.1
HODGSON, J.H. ET AL 1962 PUB. DOM. OBS., 26, 229.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		105-27	135	85			43	67					58	67		
ALTER.		105-24	56	81			155	47					138	46		
	81.2	103-23-19	288.6	88.6	.56S	.83N	20.7	34.1	1.00D	.04N	138.4	37.1	17.7	34.1	259.8	34.6
			285.5	88.8	.43S	.90N	17.9	25.7	1.00D	.05N	129.3	40.7	14.9	25.7	262.4	38.5
ROTATION ABOUT A,C,B AXIS																
	-31.0		285.5	88.8	.09D	1.00N	183.0	5.5	.98S	.22N	100.1	46.0	195.6	5.3	290.7	43.6
	24.6		285.5	88.8	.77S	.64N	16.4	50.3	1.00D	.03N	143.4	27.8	14.0	50.3	248.2	25.9
	-0.2		285.3	88.7	.43S	.90N	17.9	25.7	1.00D	.05N	129.2	40.8	14.7	25.7	262.3	38.4
	1.0		286.4	89.2	.43S	.90N	17.9	25.7	1.00D	.03N	130.1	40.3	16.0	25.7	263.2	38.8
	-0.2		285.5	88.6	.43S	.90N	18.4	25.7	1.00D	.05N	129.5	40.9	14.9	25.7	262.6	38.3
	.5		285.2	89.3	.43S	.90N	16.8	25.7	1.00D	.03N	128.9	40.2	14.9	25.7	262.0	38.9
			CONE A	1 EXA	.42		CONE C	6 FXC	.99				CONE B	8 EXB	.98	

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
81.1	103-23-20	68.1	85.3	.52S	.86T	330.3	31.3	.99D	.16T	93.9	33.1	340.9	30.9	219.0	41.4
		70.1	85.6	.39S	.92T	329.8	23.4	.98D	.19T	90.2	36.5	342.0	22.9	227.3	44.7
ROTATION ABOUT A,C,B AXIS															
-31.0		70.1	85.6	.14D	.99T	189.0	9.1	.87S	.49T	62.7	40.1	159.5	8.0	258.7	48.8
31.0		70.1	85.6	.81S	.59T	336.9	54.1	1.00D	.10T	108.0	21.1	346.2	53.8	209.8	27.9
-1.0		69.2	86.0	.39S	.92T	329.8	23.4	.98D	.18T	89.4	36.8	340.9	23.0	226.4	44.3
.9		70.9	85.2	.39S	.92T	329.8	23.4	.98D	.21T	91.0	36.1	343.0	22.9	228.0	45.1
-0.5		70.3	86.0	.39S	.92T	331.0	23.3	.98D	.18T	90.5	36.9	342.0	22.9	227.6	44.3
.5		69.9	85.1	.39S	.92T	328.5	23.5	.98D	.21T	89.9	36.0	342.0	22.9	226.9	45.2
		CONE A	1 EXA	.47		CONE C	8 EXC	.98				CONE B	11 EXB	.97	

WITH ADDITIONAL DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE
OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	83.6	112-23-19	287.5	89.1	.58S	.81N	18.8	35.6	1.00D	.03N	138.1	35.9	16.9	35.6	257.6	34.3
			287.2	89.1	.58S	.82N	18.5	35.3	1.00D	.03N	137.6	36.0	16.6	35.3	257.5	34.5
ROTATION ABOUT A,C,B AXIS																
	-43.8		287.2	89.1	.15D	.99N	191.2	8.6	.99S	.11N	98.7	45.3	197.4	8.5	295.5	43.5
	15.0		287.2	89.1	.77S	.64N	18.0	50.3	1.00D	.02N	145.0	27.6	16.1	50.3	249.9	26.1
	-0.9		286.5	88.6	.58S	.82N	18.5	35.3	1.00D	.04N	137.0	36.4	15.5	35.3	256.9	34.0
	.1		287.3	89.2	.58S	.82N	18.5	35.3	1.00D	.03N	137.6	35.9	16.7	35.3	257.5	34.6
	-0.8		287.7	88.4	.58S	.82N	19.9	35.3	1.00D	.05N	138.3	36.6	16.6	35.3	258.2	33.9
	.1		287.2	89.2	.58S	.82N	18.3	35.3	1.00D	.02N	137.5	35.9	16.6	35.3	257.4	34.6
			CONE A		1 EXA	.10	CONE C		7 EXC	.98			CONE B		8 EXB	.98

434
JANUARY 3, 1957 H = 12.48.27 44N 130E DEPTH 600 KM.
HODGSON, J.H. ET AL 1962 PUB. DOM. OBS., 26, 229.
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		177-17	287	82			183	31					201	30		
	91.8	169-14-12	84.6	86.3	.28S	.96N	186.9	16.9	.98D	.22N	281.5	46.2	173.5	16.5	69.6	39.1
			281.7	80.3	.48S	.88T	174.6	30.0	.94D	.34T	304.5	29.5	196.9	28.1	72.0	47.0
ROTATION ABOUT A,C,B AXIS																
	-37.4		281.7	80.3	.15D	.99T	58.7	13.1	.67S	.74T	274.0	34.7	10.2	8.8	112.4	53.9
	4.6		281.7	80.3	.55S	.84T	177.3	34.3	.95D	.30T	307.6	27.7	198.0	32.6	68.8	44.6
	-32.0		73.8	83.9	.49S	.87N	174.6	30.0	.98D	.21N	282.4	43.5	160.4	29.2	49.5	32.5
	4.8		286.0	78.1	.46S	.89T	174.6	30.0	.91D	.41T	307.8	27.8	202.2	27.0	75.8	49.4
	-6.4		284.8	86.0	.47S	.88T	187.3	28.4	.99D	.15T	308.8	34.9	196.9	28.1	78.0	42.2
	5.6		279.0	75.4	.49S	.87T	164.7	32.2	.88D	.47T	301.2	24.8	196.9	28.1	65.9	50.9
			CONE A		21 EXA	.67	CONE C		22 EXC	.71			CONE B		39 EXB	.12

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA		91	88	84			184	47					171	46		
	90.9	91-9-8	269.8	72.1	.18S	.98T	120.2	20.5	.48D	.88T	277.9	26.4	183.0	9.7	74.6	61.6
			284.1	75.7	.50S	.87T	170.9	32.9	.89D	.45T	307.0	24.8	202.2	28.9	70.7	50.2
ROTATION ABOUT A,C,B AXIS																
	-43.8		284.1	75.7	.24D	.97T	59.1	19.8	.69S	.73T	272.9	29.4	10.6	13.4	122.2	57.1
	15.0		284.1	75.7	.71S	.71T	180.2	46.7	.94D	.34T	315.8	18.1	208.0	43.2	62.5	41.3
	-32.0		76.8	87.3	.54S	.84N	170.9	32.9	1.00D	.09N	286.2	38.9	165.0	32.7	49.2	34.1
	32.0		315.4	62.2	.32S	.95T	170.9	32.9	.51D	.86T	328.8	15.3	234.2	16.2	99.9	67.4
	-9.6		288.9	84.1	.49S	.87T	188.4	29.6	.98D	.21T	313.1	32.8	202.2	28.9	80.7	43.4
	9.6		279.0	67.4	.52S	.85T	157.0	38.1	.78D	.62T	301.6	16.5	202.2	28.9	57.6	55.9
			CONE A		35 EXA	.70	CONE C		34 EXC	.67			CONE B		61 EXB	.08

COMBINATION OF HODGSON AND ICHIKAWA, WITH ADDITIONAL DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN. IN CASES OF DISAGREEMENT OF DATA STATION IS DISCARDED.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
90.3	193-19-18	60.6	16.1	.66S	.75T	282.8	77.9	.19D	.98T	273.8	32.1	10.5	10.5	116.4	55.8
		160.2	21.5	.81D	.58T	283.8	77.7	.30S	.95T	298.3	30.5	197.7	17.3	82.3	54.0
ROTATION ABOUT A,C,B AXIS															
-8.6		160.2	21.5	.89D	.45T	275.5	80.5	.33S	.94T	291.6	32.8	188.8	19.0	73.8	50.8
1.8		160.2	21.5	.79D	.61T	285.6	77.2	.30S	.95T	299.6	30.1	199.5	16.9	84.2	54.6
-32.0		53.7	18.7	.75S	.66T	283.8	77.7	.25D	.97T	272.1	31.3	10.7	13.9	121.5	55.1
4.8		166.7	25.5	.87D	.49T	283.8	77.7	.38S	.92T	301.8	29.2	198.8	22.0	77.6	52.1
-3.6		152.9	23.7	.74D	.67T	282.7	74.3	.31S	.95T	296.9	27.1	197.7	17.3	79.0	57.0
6.4		176.8	18.4	.94D	.34T	285.8	83.8	.30S	.95T	301.0	36.5	197.7	17.3	87.2	48.3

CONE A 19 EXA .73 CONE C 10 EXC .04 CONE B 20 EXB .72

435
JANUARY 3, 1957 H = 13.43.29 44N 130E DEPTH 600 KM.
HODGSON, J.H. ET AL 1962 PUB. DOM. OBS., 26, 229.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		60-4	287	82			-	-					-	-		
	93.5	60-4-3	248.0	87.1	1.00S	.01N	338.1	89.2	1.00D	.05N	113.6	2.6	264.0	87.0	23.5	1.5
			79.6	80.5	.86S	.51N	175.2	59.8	.98D	.19N	303.2	28.2	154.0	58.0	40.8	13.8
ROTATION ABOUT A,C,B AXIS																
-24.6			79.6	80.5	.99S	.11N	170.6	84.0	.99D	.17N	305.3	11.0	112.4	78.7	214.8	2.5
1.8			79.6	80.5	.84S	.54N	175.6	58.0	.98D	.19N	302.7	29.4	155.0	56.3	41.4	14.9
-32.0			276.1	72.0	.85S	.53T	175.2	59.8	.93D	.36T	313.3	7.9	212.4	53.8	48.9	35.1
16.0			70.8	66.9	.84S	.55N	175.2	59.8	.89D	.45N	300.7	39.3	129.8	50.3	34.4	4.5
-6.4			85.2	77.3	.87S	.49N	182.3	61.2	.97D	.25N	310.2	29.8	154.0	58.0	46.4	10.7
4.8			75.4	83.0	.85S	.52N	169.7	59.0	.99D	.14N	297.9	26.8	154.0	58.0	36.4	16.2

CONE A 23 EXA .77 CONE C 17 EXC .58 CONE B 36 EXB .45

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
94.5	60-4-3	51.7	22.1	.59S	.80T	270.3	72.4	.23D	.97T	259.6	26.2	356.1	12.9	109.8	60.4
		172.6	26.1	.95D	.33T	279.8	81.8	.42S	.91T	300.4	32.3	193.6	24.6	73.8	47.4
ROTATION ABOUT A,C,B AXIS															
-6.2		172.6	26.1	.98D	.22T	274.1	84.4	.43S	.90T	295.8	34.5	186.8	25.4	68.7	44.8
21.4		172.6	26.1	.76D	.65T	300.0	73.4	.35S	.94T	315.9	25.6	216.1	19.6	93.1	56.8
-44.8		31.4	21.5	.92S	.39T	279.8	81.8	.34D	.94T	262.9	33.9	6.8	19.7	121.5	49.4
32.0		184.5	57.3	.99D	.17T	279.8	81.8	.84S	.55T	318.0	16.3	202.2	56.0	57.3	28.9
-12.8		149.6	32.5	.78D	.63T	274.1	70.2	.44S	.90T	293.7	20.9	193.6	24.6	59.3	56.7
8.0		191.0	24.6	1.00D	.04T	263.2	89.0	.42S	.91T	305.4	39.1	193.6	24.6	80.2	40.9

CONE A 40 EXA .73 CONE C 24 EXC .25 CONE B 46 EXB .64

436
JANUARY 17, 1957 H = 22.26.10 33N 137.8E DEPTH 360 KM.
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA		44	283	90			-	0					13	0		
	98.9	44-1	353.6	5.8	.91S	.41N	107.9	87.6	.09D	1.00N	282.4	47.1	18.1	5.3	113.0	42.4
			348.2	13.9	.89S	.46N	104.7	83.7	.21D	.98N	271.1	49.8	16.1	12.3	115.7	37.5
ROTATION ABOUT A,C,B AXIS																
	-8.6		348.2	13.9	.81S	.58N	113.2	81.9	.20D	.98N	280.2	51.8	24.8	11.2	123.1	35.9
	4.6		348.2	13.9	.92S	.38N	100.2	84.7	.22D	.97N	266.4	48.7	11.4	12.8	111.8	38.4
	-32.0		211.8	20.5	.95D	.31N	104.7	83.7	.34S	.94N	305.4	47.7	192.5	19.5	87.7	35.8
	32.0		8.3	44.8	.99S	.16N	104.7	83.7	.70D	.71N	247.3	35.4	20.8	44.1	137.8	25.1
	-8.0		23.3	12.4	.99S	.12T	286.4	88.5	.21D	.98T	274.7	42.2	16.1	12.3	118.8	45.2
	2.0		341.3	14.9	.83S	.56N	104.3	81.8	.22D	.98N	270.1	51.7	16.1	12.3	115.1	35.6
			CONE A	25 EXA	.84		CONE C	11 EXC	.24				CONE B	29 EXB	.79	

437
FEBRUARY 10, 1957 H = 22.32.15 10N 126E DEPTH NORMAL M = 6.7
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		27-7	50	60			143	85					61	59		
RITSEMA		27-7	115	54			218	73					148	49		
ALTER.		27-7	76	84			345	78					14	77		
	79.7	27-6-4	344.0	71.7	.99S	.15N	76.7	81.8	.95D	.32N	211.6	18.9	9.8	69.8	119.2	7.0
			344.0	71.7	.99S	.15N	76.7	81.8	.95D	.32N	211.6	18.9	9.8	69.8	119.2	7.0
ROTATION ABOUT A,C,B AXIS																
	-7.0		344.0	71.7	.96S	.27N	79.0	75.2	.95D	.33N	212.1	23.8	25.7	66.1	121.1	2.4
	3.8		344.0	71.7	1.00S	.08N	75.5	85.4	.95D	.32N	211.2	16.2	359.1	71.1	118.4	9.5
	-0.2		343.9	71.5	.99S	.15N	76.7	81.8	.95D	.32N	211.7	19.0	9.6	69.6	119.2	7.1
	.6		344.1	72.3	.99S	.15N	76.7	81.8	.95D	.31N	211.5	18.5	10.5	70.3	119.3	6.6
	-0.7		344.7	71.6	.99S	.15N	77.4	82.0	.95D	.32N	212.3	18.8	9.8	69.8	119.8	7.2
	1.0		342.9	71.8	.99S	.16N	75.8	81.5	.95D	.32N	210.7	19.0	9.8	69.8	118.3	6.7
			CONE A	1 EXA	.53		CONE C	4 EXC	.84				CONE B	3 EXB	.93	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	75.0	27-7-6	324.7	65.9	.99S	.13T	231.6	83.2	.91D	.41T	190.5	11.8	307.0	64.8	95.7	21.9
			325.7	63.6	.99S	.14T	232.1	82.7	.89D	.45T	191.6	13.0	307.8	62.5	95.7	23.8
ROTATION ABOUT A,C,B AXIS																
	-3.8		325.7	63.6	.98S	.21T	230.3	79.3	.89D	.45T	190.4	10.5	300.2	61.2	95.1	26.5
	1.0		325.7	63.6	.99S	.13T	232.5	83.6	.89D	.45T	191.9	13.6	309.9	62.7	95.9	23.2
	-6.4		324.8	69.9	.99S	.14T	232.1	82.7	.94D	.35T	189.8	8.8	303.0	68.5	96.7	19.4
	.2		325.8	63.4	.99S	.14T	232.1	82.7	.89D	.45T	191.6	13.1	307.9	62.3	95.7	24.0
	-0.3		326.1	63.7	.99S	.14T	232.3	82.5	.89D	.45T	192.0	12.8	307.8	62.5	96.2	23.9
	8.0		316.8	62.7	1.00S	.07T	224.9	86.3	.89D	.46T	184.0	16.1	307.8	62.5	87.5	21.6
			CONE A	7 EXA	.20		CONE C	6 EXC	.42				CONE B	6 EXB	.27	

438
FEBRUARY 10, 1957 H = 22.50.52 10.5N 126.5E DEPTH NORMAL M = 6.7
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		25-5	73	88			343	84					358	84		
	85.0	25-3-2	302.2	76.8	.97S	.25N	35.5	76.0	.97D	.24N	168.7	19.5	350.5	70.5	258.9	.6
			298.2	75.8	.96S	.28N	32.3	74.3	.97D	.25N	165.0	21.4	348.0	68.6	255.4	1.0
ROTATION ABOUT A,C,B AXIS																
	-6.2		298.2	75.8	.92S	.38N	34.0	68.4	.96D	.26N	164.8	25.8	357.4	63.7	257.2	5.0
	3.0		298.2	75.8	.97S	.23N	31.5	77.2	.97D	.25N	165.0	19.3	341.9	70.7	74.6	1.0
	-1.0		297.9	74.9	.96S	.28N	32.3	74.3	.96D	.27N	164.8	22.1	346.0	67.9	255.0	.4
	2.0		298.8	77.7	.96S	.28N	32.3	74.3	.98D	.22N	165.1	20.0	352.3	69.9	255.9	2.3
	-2.0		300.2	75.3	.96S	.27N	34.3	74.9	.96D	.26N	167.2	21.4	348.0	68.6	257.3	.3
	0		298.2	75.8	.96S	.28N	32.3	74.3	.97D	.25N	165.0	21.4	348.0	68.6	255.4	1.0
			CONE A		2 EXA	.33	CONE C		4 EXC	.78			CONE B		5 EXB	.67

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	78.1	25-4-4	74.6	88.3	.57S	.82T	342.2	35.0	1.00D	.05T	103.8	34.0	345.8	34.9	224.2	36.9
			258.8	87.8	.54S	.84N	352.2	32.8	1.00D	.07N	108.0	38.4	347.4	32.7	231.2	34.6
ROTATION ABOUT A,C,B AXIS																
	-88.6		258.8	87.8	.83D	.56N	167.3	55.9	1.00S	.05N	38.5	25.1	172.0	55.8	297.8	21.7
	15.0		258.8	87.8	.74S	.67N	350.8	47.8	1.00D	.05N	116.1	30.2	346.4	47.7	223.0	26.6
	-4.0		255.4	85.6	.54S	.84N	352.2	32.8	.99D	.14N	105.4	40.5	342.6	32.4	228.6	32.7
	8.0		85.5	87.9	.54S	.84T	352.2	32.8	1.00D	.07T	113.2	34.6	356.9	32.7	236.4	38.3
	-2.0		259.9	86.1	.54S	.84N	355.9	33.0	.99D	.12N	109.8	39.9	347.4	32.7	232.7	33.0
	5.6		75.7	87.5	.54S	.84T	341.8	32.8	1.00D	.08T	103.4	34.3	347.4	32.7	226.5	38.7
			CONE A		10 EXA	.37	CONE C		28 EXC	.93			CONE B		35 EXB	.88

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	76.9	25-4-4	156.8	68.9	1.00S	.04T	66.1	88.1	.93D	.36T	23.4	13.4	151.2	68.8	289.5	16.1
			164.1	12.6	1.00S	.07N	258.2	89.1	.22D	.98N	65.7	44.5	168.4	12.5	270.3	42.8
ROTATION ABOUT A,C,B AXIS																
	-37.4		164.1	12.6	.84S	.55T	41.5	83.1	.18D	.98T	32.1	37.3	130.2	10.5	233.4	50.8
	31.0		164.1	12.6	.82S	.58N	288.6	82.8	.18D	.98N	97.0	51.2	199.9	10.3	297.8	37.0
	-51.2		167.7	63.8	1.00S	.02N	258.2	89.1	.90D	.44N	36.1	18.9	170.0	63.7	299.9	17.6
	57.6		349.1	45.1	1.00D	.02N	258.2	89.1	.71S	.71N	113.8	30.7	347.3	45.0	223.2	29.2
	-4.0		182.3	12.9	.97S	.23T	79.1	87.0	.22D	.98T	67.3	40.7	168.4	12.5	272.0	46.6
	4.0		146.8	13.5	.93S	.36N	257.3	85.2	.22D	.98N	63.9	48.3	168.4	12.5	268.7	38.9
			CONE A		30 EXA	.93	CONE C		23 EXC	.88			CONE B		86 EXB	.37

439
FEBRUARY 11, 1957 H = 01.14.44 10N 125E DEPTH NORMAL M = 6.5
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		15-2	248	90			338	87					338	87		
	82.5	15-1-1	324.1	71.4	.96S	.27N	59.3	75.1	.94D	.33N	192.3	24.1	5.6	65.8	101.2	2.5
			323.3	71.0	.95S	.31N	59.4	72.9	.94D	.34N	191.6	26.1	8.4	63.9	101.0	1.3
ROTATION ABOUT A,C,B AXIS																
	-114.2		323.3	71.0	.67D	.74N	213.6	45.7	.89S	.46N	99.5	46.4	249.8	39.6	352.9	15.3
	10.2		323.3	71.0	.99S	.14N	55.9	82.5	.94D	.33N	191.1	18.9	346.5	69.4	98.3	8.0
	-0.6		323.1	70.4	.95S	.31N	59.4	72.9	.94D	.35N	191.7	26.4	7.5	63.5	100.9	1.7
	14.4		327.7	84.7	.96S	.30N	59.4	72.9	1.00D	.10N	192.3	15.9	41.1	72.0	284.7	8.2
	-0.4		323.7	70.8	.95S	.31N	59.8	73.0	.94D	.34N	192.1	26.1	8.4	63.9	101.4	1.5
	16.0		307.7	76.6	.92S	.38N	43.2	68.1	.97D	.25N	173.8	25.4	8.4	63.9	266.6	5.7
			CONE A		16 EXA	.09	CONE C		45 EXC	.87			CONE B		43 EXB	.88

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	89.2	15-2-2	337.0	86.3	1.00S	.03T	246.9	88.3	1.00D	.06T	202.0	1.4	312.3	85.9	111.9	3.8
			160.7	89.5	1.00S	.00T	70.7	89.8	1.00D	.01T	25.7	.2	137.0	89.4	295.7	.5
ROTATION ABOUT A,C,B AXIS																
	-3.0		160.7	89.5	1.00S	.05N	250.8	87.2	1.00D	.01N	25.7	2.3	239.7	87.2	115.8	1.6
	4.6		160.7	89.5	1.00S	.08T	70.7	85.2	1.00D	.01T	205.6	3.0	77.1	85.1	295.8	3.8
	-16.0		160.8	73.5	1.00S	.00T	70.7	89.8	.96D	.28T	27.0	11.4	159.9	73.5	294.6	11.8
	6.4		340.7	84.1	1.00S	.00N	70.7	89.8	.99D	.10N	205.9	4.3	343.0	84.1	115.6	4.0
	-8.0		168.7	89.5	1.00S	.01T	78.7	89.7	1.00D	.01T	33.7	.1	137.0	89.4	303.7	.6
	8.0		152.7	89.4	1.00S	.00T	62.7	89.8	1.00D	.01T	17.7	.3	137.0	89.4	287.7	.5
			CONE A		19 EXA	.29	CONE C		11 EXC	.53			CONE B		13 EXB	.66

440
* FEBRUARY 19, 1957 H = 07.43.56 36.5N 21.7E DEPTH 25 KM. M = 5.6
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	100.0	12-0	205.2	72.9	.09S	1.00N	7.3	17.9	.29D	.96N	33.3	61.7	293.6	5.2	200.9	27.7
			201.5	72.9	.04S	1.00N	14.7	17.2	.11D	.99N	24.5	62.0	290.9	1.9	199.9	27.9
ROTATION ABOUT A,C,B AXIS																
	-50.2		201.5	72.9	.75D	.67N	96.8	50.4	.92S	.38N	337.1	41.2	129.7	45.4	234.4	14.1
	21.4		201.5	72.9	.40S	.92N	325.7	28.7	.79D	.61N	51.6	55.9	284.3	22.3	183.6	24.4
	-38.4		161.6	75.5	.16D	.99N	14.7	17.2	.53S	.85N	329.0	58.5	74.0	9.0	169.2	29.9
	32.0		234.5	76.6	.19S	.98N	14.7	17.2	.62D	.78N	68.8	57.1	322.0	10.6	225.6	30.8
	-5.6		201.7	67.3	.04S	1.00N	16.4	22.8	.09D	1.00N	25.5	67.6	290.9	1.9	200.1	22.3
	9.6		201.2	82.5	.03S	1.00N	6.6	7.7	.25D	.97N	23.4	52.5	290.9	1.9	199.4	37.5
			CONE A		33 EXA	.78	CONE C		33 EXC	.79			CONE B		71 EXB	.02

441
FEBRUARY 23, 1957 H = 20.26.12 24N 122E DEPTH NORMAL M = 7.1
HODGSON, J.H. ET AL 1962 PUB. DOM. OBS., 26, 229.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		90-20	13	57			108	83					28	56		
	78.7	90-21-19	95.2	79.3	.90S	.44T	0	64.3	.98D	.21T	135.4	10.1	25.9	61.9	230.3	25.9
			98.1	80.0	.56S	.83T	353.5	35.0	.95D	.30T	124.3	27.1	14.7	33.2	244.6	44.5
ROTATION ABOUT A,C,B AXIS																
	-24.6		98.1	80.0	.16S	.99T	320.9	13.5	.67D	.74T	105.9	34.4	9.7	9.0	267.0	54.1
	31.0		98.1	80.0	.90S	.43T	3.4	65.1	.98D	.19T	138.5	10.0	28.2	63.0	233.2	24.8
	-0.9		97.3	80.5	.56S	.83T	353.5	35.0	.96D	.29T	123.6	27.6	13.6	33.3	244.0	44.1
	.5		98.5	79.8	.55S	.83T	353.5	35.0	.95D	.31T	124.5	27.0	15.2	33.0	245.0	44.8
	-0.9		98.6	80.8	.55S	.83T	355.0	34.7	.96D	.28T	125.0	27.9	14.7	33.2	245.6	43.9
	.6		97.7	79.5	.56S	.83T	352.5	35.2	.95D	.32T	123.9	26.7	14.7	33.2	243.9	44.9
			CONE A		1 EXA	.07	CONE C		9 EXC	.97			CONE B		9 EXB	.97

442
* MARCH 8, 1957 H = 12.14.14 39.5N 22.8E DEPTH 25 KM. M = 6.5
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	99.9	14-1-0	328.0	23.3	.79S	.61T	202.7	76.0	.32D	.95T	187.6	28.6	288.0	18.3	46.3	55.1
			325.7	22.7	.81S	.58T	202.4	77.1	.32D	.95T	187.2	29.6	288.0	18.3	45.2	54.1
ROTATION ABOUT A,C,B AXIS																
	-0.6		325.7	22.7	.81S	.59T	201.8	76.9	.32D	.95T	186.7	29.5	287.4	18.2	44.7	54.4
	8.6		325.7	22.7	.89S	.45T	210.6	80.0	.35D	.94T	193.7	32.0	296.9	20.1	53.6	50.8
	-1.0		324.2	23.5	.83S	.56T	202.4	77.1	.34D	.94T	186.4	29.4	287.8	19.3	46.3	53.7
	1.6		328.2	21.4	.79S	.61T	202.4	77.1	.30D	.96T	188.4	30.0	288.4	16.7	43.5	54.7
	-1.2		328.1	23.4	.79S	.61T	202.8	75.9	.32D	.95T	187.7	28.5	288.0	18.3	46.4	55.2
	.2		325.3	22.6	.82S	.57T	202.3	77.3	.32D	.95T	187.1	29.8	288.0	18.3	45.0	54.0
			CONE A		2 EXA	.46	CONE C		4 EXC	.85			CONE B		5 EXB	.72

443
* MARCH 8, 1957 H = 23.35.11 39.5N 22.8E DEPTH 25 KM. M = 5.5
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	80.4	14-3-2	252.0	24.1	.96S	.27T	147.4	83.6	.39D	.92T	127.6	34.5	234.7	23.1	351.3	46.4
			252.2	23.9	.96S	.28T	147.3	83.5	.39D	.92T	127.6	34.5	234.5	22.9	351.0	46.6
ROTATION ABOUT A,C,B AXIS																
	-37.4		252.2	23.9	.59S	.80T	111.1	70.9	.25D	.97T	99.6	24.5	196.1	13.9	313.0	61.3
	31.0		252.2	23.9	.97S	.26N	355.8	84.0	.39D	.92N	152.0	46.1	268.3	23.1	15.6	34.9
	-22.4		243.6	45.9	.99S	.16T	147.3	83.5	.71D	.70T	113.7	24.4	230.7	45.1	5.2	34.9
	14.4		273.8	10.8	.80S	.60T	147.3	83.5	.15D	.99T	139.5	37.9	236.3	8.6	337.0	50.8
	-9.6		272.0	28.1	.83S	.56T	151.2	74.7	.40D	.91T	132.6	25.9	234.5	22.9	.3	54.2
	6.4		236.2	23.0	1.00S	.03T	144.8	89.4	.39D	.92T	123.7	40.1	234.5	22.9	346.2	41.2
			CONE A		24 EXA	.57	CONE C		33 EXC	.77			CONE B		50 EXB	.46

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	79.9	14-2-2	204.9	67.7	.36S	.93T	70.5	30.4	.66D	.75T	220.7	20.0	123.3	19.5	352.7	61.5
			204.9	67.7	.36S	.93T	70.5	30.4	.66D	.75T	220.7	20.0	123.3	19.5	352.7	61.5
ROTATION ABOUT A,C,B AXIS																
	-24.6		204.9	67.7	.06D	1.00T	15.9	22.6	.15S	.99T	202.3	22.6	293.6	3.2	31.2	67.1
	43.8		204.9	67.7	.91S	.42T	104.9	66.9	.91D	.41T	244.8	.5	154.0	56.9	335.1	33.1
	-38.4		169.4	84.8	.50S	.87T	70.5	30.4	.98D	.18T	194.3	33.1	82.4	29.8	320.9	42.4
	16.0		221.7	62.8	.24S	.97T	70.5	30.4	.43D	.90T	232.1	16.7	138.3	12.5	13.1	68.9
	-5.6		207.1	72.9	.35S	.94T	78.8	26.4	.75D	.66T	222.9	25.2	123.3	19.5	359.9	57.3
	8.0		201.6	60.3	.38S	.92T	61.6	36.7	.56D	.83T	217.8	12.5	123.3	19.5	338.6	66.6
			CONE A		27 EXA	.75	CONE C		30 EXC	.80			CONE B		61 EXB	.20

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	78.6	14-2-2	314.6	15.3	.86S	.51T	194.9	82.3	.23D	.97T	183.4	36.0	283.1	13.1	29.8	51.0
			71.6	23.7	.72D	.70T	203.2	73.7	.30S	.95T	217.0	26.7	118.3	16.7	359.9	57.8
ROTATION ABOUT A,C,B AXIS																
	-31.0		71.6	23.7	.97D	.23T	173.7	84.7	.39S	.92T	193.6	35.6	85.9	23.0	330.3	45.5
	21.4		71.6	23.7	.41D	.91T	225.2	68.5	.18S	.98T	233.1	22.8	139.0	9.6	27.7	65.0
	-28.8		347.6	19.7	.56S	.83T	203.2	73.7	.20D	.98T	194.2	27.8	290.0	10.9	39.3	59.7
	51.2		107.0	69.6	.95D	.30T	203.2	73.7	.93S	.36T	244.4	2.8	148.9	63.4	335.8	26.4
	-12.8		55.0	33.8	.52D	.86T	198.9	61.6	.33S	.94T	212.8	14.6	118.3	16.7	341.7	67.6
	2.4		76.1	22.1	.77D	.64T	204.0	76.0	.30S	.95T	217.9	29.0	118.3	16.7	2.2	55.7
			CONE A		35 EXA	.81	CONE C		28 EXC	.71			CONE B		65 EXB	.35

444
MARCH 9, 1957 H = 20.39.15 52.5N 169.5W DEPTH NORMAL M = 6.8
HODGSON, J.H. ET AL 1962 PUB. DOM. OBS., 26, 229.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		84-16	338	86			245	51					254	51		
ALTER.		84-18	338	86			71	54					63	54		
	82.6	83-15-14	332.2	89.2	.83S	.55N	62.7	56.5	1.00D	.02N	192.3	23.6	61.0	56.5	292.6	22.4
			332.2	89.2	.83S	.55N	62.7	56.5	1.00D	.02N	192.3	23.6	61.0	56.5	292.6	22.4
ROTATION ABOUT A,C,B AXIS																
	-0.4		332.2	89.2	.83S	.56N	62.7	56.1	1.00D	.02N	192.1	23.8	61.0	56.1	292.7	22.6
	0		332.2	89.2	.83S	.55N	62.7	56.5	1.00D	.02N	192.3	23.6	61.0	56.5	292.6	22.4
	-0.9		331.7	88.4	.83S	.55N	62.7	56.5	1.00D	.03N	192.1	24.2	59.4	56.5	292.4	21.7
	1.0		152.8	90.0	.83S	.55T	62.7	56.5	1.00D	0T	192.6	23.0	62.8	56.5	293.0	23.0
	-0.6		332.7	88.9	.83S	.55N	63.5	56.5	1.00D	.02N	192.8	23.8	61.0	56.5	293.1	22.1
	3.2		149.5	89.0	.83S	.55T	58.9	56.5	1.00D	.02T	189.1	22.2	61.0	56.5	289.4	23.7
			CONE A		3 EXA	.50	CONE C		1 EXC	.89			CONE B		1 EXB	.79

445
MARCH 11, 1957 H = 14.55.19 51.5N 178.5W DEPTH NORMAL M = 6.7
HODGSON, J.H. ET AL 1962 PUB. DOM. OBS., 26, 229.
STEVENS, A.E. 1965 DOCTORAL THESIS, U. OF WESTERN ONTARIO

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STEVENS		S - SOLN.	195	67			45	27			205	21	110	12	352	66
HODGSON		125-23	-	-			-	-					-	-		
	87.8	125-20-16	203.1	67.3	.79S	.61T	96.4	55.5	.88D	.47T	237.4	7.3	139.5	46.8	334.1	42.3
			192.0	57.6	.10D	1.00T	1.8	32.8	.15S	.99T	188.0	12.4	279.0	4.6	28.9	76.7
ROTATION ABOUT A,C,B AXIS																
	-37.4		192.0	57.6	.68D	.73T	311.9	51.7	.73S	.68T	163.1	3.4	255.5	35.1	68.3	54.7
	50.2		192.0	57.6	.70S	.71T	73.6	53.1	.74D	.67T	221.8	2.6	129.9	36.5	315.4	53.4
	-16.0		173.0	57.5	.08S	1.00T	1.8	32.8	.13D	.99T	176.5	12.4	85.6	4.0	338.0	77.0
	19.2		213.9	61.4	.29D	.96T	1.8	32.8	.47S	.89T	201.7	14.8	295.7	14.6	68.3	68.9
	-14.4		190.5	72.0	.08D	1.00T	355.2	18.6	.25S	.97T	186.7	26.8	279.0	4.6	18.0	62.7
	22.4		195.5	35.4	.14D	.99T	5.8	55.0	.10S	1.00T	9.8	9.8	279.0	4.6	164.2	79.1
			CONE A		36 EXA	.04	CONE C		57 EXC	.58			CONE B		56 EXB	.60

THE ABOVE SOLN. REPRESENTS UNDEFINED CENTRAL DILATATIONAL CIRCLES.

446
MARCH 14, 1957 H = 14.47.45 51.5N 177W DEPTH NORMAL M = 7.5
HODGSON, J.H. ET AL 1962 PUB. DOM. OBS., 26, 229.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		129-30	99	49			7	85					89	49		
	78.1	129-32-29	328.8	71.7	.97S	.25N	63.4	76.4	.95D	.32N	196.9	22.9	8.0	66.9	105.5	3.2
			329.1	71.6	.97S	.25N	63.7	76.3	.95D	.33N	197.0	23.1	8.2	66.7	105.7	3.2
ROTATION ABOUT A,C,B AXIS																
	-4.6		329.1	71.6	.95S	.33N	65.3	72.0	.94D	.33N	197.2	26.3	16.5	63.7	107.0	.3
	1.8		329.1	71.6	.98S	.22N	63.1	78.0	.95D	.32N	196.8	21.7	4.3	67.8	105.1	4.4
	-0.2		329.0	71.4	.97S	.25N	63.7	76.3	.94D	.33N	197.0	23.1	7.9	66.6	105.6	3.3
	1.0		329.3	72.5	.97S	.25N	63.7	76.3	.95D	.31N	197.0	22.3	9.7	67.5	106.0	2.6
	-0.8		329.9	71.4	.97S	.24N	64.5	76.6	.94D	.33N	198.0	23.0	8.2	66.7	106.5	3.5
	1.6		327.4	72.0	.97S	.26N	62.2	75.8	.95D	.32N	195.3	23.1	8.2	66.7	104.2	2.6
			CONE A		2 EXA	.50	CONE C		4 EXC	.62			CONE B		3 EXB	.81

447
MARCH 15, 1957 H = 02.52.08 53N 167W DEPTH NORMAL M = 6.7
HODGSON, J.H. ET AL 1962 PUB. DOM. OBS., 26, 229.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		78-16	337	87			246	53					251	53		
	79.3	77-16-15	253.4	65.6	.99S	.17N	347.4	81.2	.91D	.42N	123.0	23.6	275.9	63.9	28.3	10.6
			248.4	17.5	.95S	.32T	140.5	84.5	.29D	.96T	125.8	37.3	228.9	16.6	338.2	47.9
ROTATION ABOUT A,C,B AXIS																
	-6.2		248.4	17.5	.98S	.22T	146.5	86.3	.29D	.96T	130.9	39.0	235.3	17.1	343.9	46.0
	.2		248.4	17.5	.95S	.32T	140.3	84.4	.29D	.96T	125.7	37.3	228.7	16.5	337.9	48.0
	-64.0		45.5	47.6	.99D	.13T	140.5	84.5	.74S	.68T	175.3	24.1	56.5	47.1	282.2	33.0
	51.2		232.8	67.9	.99S	.10T	140.5	84.5	.93D	.38T	98.5	11.4	217.2	67.2	4.4	19.5
	-1.0		251.5	17.8	.93S	.37T	140.8	83.5	.29D	.96T	126.2	36.4	228.9	16.6	338.8	48.8
	1.2		244.5	17.2	.97S	.26T	140.2	85.6	.29D	.96T	125.2	38.4	228.9	16.6	337.5	46.9
			CONE A	16 EXA	.98		CONE C	4 EXC	.66				CONE B	27 EXB	.94	

448
MARCH 19, 1957 H = 12.50.51 51.5N 175W DEPTH NORMAL M = 6.7
HODGSON, J.H. ET AL 1962 PUB. DOM. OBS., 26, 229.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		97-15	86	67			342	59					26	50		
ALTER.		97-19	244	44			338	85					253	44		
	85.6	96-16-15	82.4	69.2	.87S	.49T	341.0	62.5	.92D	.40T	120.5	4.3	24.4	54.4	213.5	35.3
			83.8	69.4	.07S	1.00T	274.7	20.9	.18D	.98T	86.8	24.3	355.2	3.6	257.3	65.4
ROTATION ABOUT A,C,B AXIS																
	-56.6		83.8	69.4	.80D	.61T	188.8	55.5	.90S	.43T	49.2	8.7	149.1	48.2	311.7	40.5
	56.6		83.8	69.4	.87S	.49T	342.6	62.5	.92D	.40T	121.9	4.4	25.6	54.6	215.0	35.0
	-5.6		77.9	69.9	.10S	.99T	274.7	20.9	.27D	.96T	82.5	24.7	349.9	5.6	248.0	64.6
	3.6		87.7	69.2	.04S	1.00T	274.7	20.9	.11D	.99T	89.6	24.2	358.6	2.3	263.5	65.7
	-0.5		83.9	69.9	.07S	1.00T	275.0	20.4	.18D	.98T	86.9	24.8	355.2	3.6	257.5	64.9
	2.4		83.6	67.1	.07S	1.00T	273.6	23.3	.16D	.99T	86.7	22.0	355.2	3.6	256.4	67.7
			CONE A	5 EXA	.68		CONE C	18 EXC	.97				CONE B	32 EXB	.92	

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
82.6	96-17-15	212.6	62.6	.94S	.35T	112.9	72.0	.87D	.48T	74.4	6.1	173.7	56.3	340.4	33.0
		253.0	22.1	.65S	.76T	116.0	73.4	.26D	.97T	104.3	26.9	201.7	14.3	316.7	58.9
ROTATION ABOUT A,C,B AXIS															
-3.0		253.0	22.1	.61S	.79T	113.0	72.7	.24D	.97T	101.9	26.4	198.7	13.4	313.0	59.9
6.2		253.0	22.1	.73S	.68T	122.2	75.1	.29D	.96T	108.9	28.2	207.8	16.0	323.8	56.8
-44.8		215.5	61.1	.95S	.33T	116.0	73.4	.86D	.50T	78.0	8.0	180.0	55.9	342.8	32.9
64.0		12.1	51.1	.93D	.37T	116.0	73.4	.76S	.65T	149.4	14.0	44.2	46.4	251.6	40.2
-3.2		258.0	24.6	.59S	.81T	116.9	70.4	.26D	.97T	105.2	23.9	201.7	14.3	319.9	61.6
0		253.0	22.1	.65S	.76T	116.0	73.4	.26D	.97T	104.3	26.9	201.7	14.3	316.7	58.9
		CONE A	19 EXA	.97		CONE C	5 EXC	.65				CONE B	32 EXB	.92	

449
MARCH 23, 1957 H = 05.12.31 5.5S 131E DEPTH 100 KM. M = 7
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		35-5	308	66			204	62					252	52		
	90.5	35-5-3	152.1	50.1	1.00S	.09N	245.3	86.2	.77D	.64N	26.6	30.1	159.8	49.8	281.6	24.0
			123.9	22.1	.64S	.76N	261.6	73.3	.25D	.97N	61.2	59.2	175.9	14.0	273.2	26.9
ROTATION ABOUT A,C,B AXIS																
	-43.8		123.9	22.1	.06D	1.00N	307.8	68.0	.03S	1.00N	130.6	67.0	37.3	1.4	306.7	23.0
	37.4		123.9	22.1	.98S	.22N	225.5	85.3	.37D	.93N	23.7	45.5	137.3	21.5	244.4	36.7
	-64.0		5.5	51.4	.93D	.37N	261.6	73.3	.76S	.65N	126.2	40.1	333.1	46.6	228.1	13.8
	38.4		159.4	54.9	.94S	.35N	261.6	73.3	.80D	.60N	36.1	37.7	192.5	49.9	296.8	11.8
	-8.0		142.0	16.7	.84S	.54N	263.6	81.0	.25D	.97N	67.3	52.0	175.9	14.0	275.8	34.5
	2.4		120.1	24.0	.60S	.80N	261.0	71.0	.26D	.97N	58.9	61.2	175.9	14.0	272.4	24.6
			CONE A		33 EXA	.90	CONE C		29 EXC	.87			CONE B		91 EXB	.21

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	87.9	35-5-3	183.8	56.9	.92S	.38N	286.4	71.4	.82D	.58N	59.5	37.7	220.8	50.8	322.3	9.2
			134.6	29.3	.67S	.74N	268.8	68.6	.35D	.94N	58.0	61.0	186.6	19.1	284.2	21.0
ROTATION ABOUT A,C,B AXIS																
	-0.8		134.6	29.3	.66S	.75N	269.6	68.3	.35D	.94N	58.9	61.4	187.4	18.8	284.8	20.8
	.4		134.6	29.3	.67S	.74N	268.4	68.8	.35D	.94N	57.7	60.8	186.2	19.2	283.9	21.2
	-64.0		19.9	47.5	.87D	.49N	268.8	68.6	.69S	.73N	134.7	47.4	339.7	39.8	238.9	12.7
	57.6		174.4	79.0	.93S	.37N	268.8	68.6	.98D	.21N	39.9	23.1	238.9	65.7	133.0	7.1
	-9.6		151.1	23.0	.84S	.55N	272.2	77.6	.33D	.94N	68.8	53.4	186.6	19.1	288.1	29.9
	0		134.6	29.3	.67S	.74N	268.8	68.6	.35D	.94N	58.0	61.0	186.6	19.1	284.2	21.0
			CONE A		34 EXA	.92	CONE C		3 EXC	.88			CONE B		12 EXB	.99

450
APRIL 10, 1957 H = 05.12.08 15.5N 98W DEPTH NORMAL M = 6.8
HODGSON, J.H. ET AL 1962 PUB. DOM. OBS., 26, 229.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		64-9	162	51			52	67					119	42		
	92.6	63-9-5	50.5	67.5	.69S	.73N	162.6	47.7	.86D	.52N	277.2	48.3	120.7	39.3	20.8	11.8
			50.3	66.8	.67S	.74N	163.8	47.0	.84D	.54N	277.2	49.5	120.7	38.1	21.3	11.7
ROTATION ABOUT A,C,B AXIS																
	-56.6		50.3	66.8	.25D	.97N	263.6	27.1	.50S	.86N	205.3	65.2	326.1	13.3	61.2	20.5
	10.2		50.3	66.8	.79S	.61N	157.2	55.8	.88D	.48N	279.7	42.5	113.3	46.7	16.0	6.8
	-1.0		49.5	66.1	.67S	.75N	163.8	47.0	.83D	.55N	276.9	50.2	119.6	37.5	20.8	11.3
	.8		50.9	67.4	.67S	.74N	163.8	47.0	.85D	.53N	277.4	49.0	121.6	38.4	21.8	12.2
	-0.1		50.4	66.7	.67S	.74N	163.9	47.1	.84D	.54N	277.5	49.5	120.7	38.1	21.4	11.6
	2.4		48.6	68.6	.66S	.75N	161.0	45.7	.86D	.51N	273.8	48.7	120.7	38.1	19.7	13.6
			CONE A		2 EXA	.28	CONE C		13 EXC	.96			CONE B		11 EXB	.97

451
APRIL 10, 1957 H = 11.29.58 56N 154W DEPTH NORMAL M = 7
HODGSON, J.H. ET AL 1962 PUB. DOM. OBS., 26, 229.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		94-19	80	58			320	51					17	35		
	80.7	95-21-16	214.6	71.6	1.00S	.09N	306.3	84.9	.95D	.32N	81.9	16.6	231.2	70.9	349.1	9.2
			239.0	25.9	.79S	.61T	114.3	74.5	.36D	.93T	97.8	26.5	198.4	20.3	321.0	55.5
ROTATION ABOUT A,C,B AXIS																
	-2.2		239.0	25.9	.82S	.58T	116.4	75.3	.37D	.93T	99.3	27.2	200.6	20.9	323.1	54.6
	24.6		239.0	25.9	.47S	.88T	89.3	67.2	.22D	.98T	79.6	21.2	174.3	11.8	291.5	65.4
	-64.0		8.3	45.1	.93D	.38T	114.3	74.5	.68S	.73T	144.7	18.1	38.2	41.0	252.7	43.5
	51.2		209.1	72.9	.96S	.28T	114.3	74.5	.95D	.30T	71.9	1.1	164.4	66.6	341.4	23.4
	-6.4		249.1	30.2	.69S	.73T	116.7	68.6	.37D	.93T	100.4	20.7	198.4	20.3	328.9	60.3
	3.6		231.9	23.9	.86S	.52T	112.9	77.9	.35D	.94T	96.1	29.9	198.4	20.3	317.4	52.6
			CONE A		34 EXA	.91	CONE C		16 EXC	.63			CONE B		56 EXB	.77

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	78.2	95-21-18	85.6	63.3	.85S	.53T	339.8	61.6	.86D	.51T	122.3	1.1	31.1	49.1	213.3	40.9
			106.2	67.0	.36D	.93T	241.3	31.0	.65S	.76T	90.4	19.3	187.5	19.5	319.3	62.0
ROTATION ABOUT A,C,B AXIS																
	-31.0		106.2	67.0	.79D	.61T	213.0	55.7	.88S	.47T	71.8	7.0	169.3	46.7	335.3	42.4
	75.8		106.2	67.0	.81S	.58T	.6	57.7	.89D	.46T	141.5	5.8	44.9	48.6	236.6	40.8
	-25.6		78.5	60.2	.15D	.99T	241.3	31.0	.26S	.97T	72.1	14.8	164.1	7.6	280.5	73.3
	3.6		109.8	68.3	.38D	.92T	241.3	31.0	.70S	.72T	92.9	20.2	191.0	21.0	323.1	60.2
	-0.9		105.8	67.8	.36D	.93T	240.2	30.3	.66S	.75T	90.1	20.1	187.5	19.5	318.0	61.4
	2.4		107.1	64.7	.37D	.93T	244.2	32.8	.62S	.79T	91.3	17.0	187.5	19.5	323.2	63.7
			CONE A		10 EXA	.89	CONE C		19 EXC	.97			CONE B		56 EXB	.73

452
APRIL 14, 1957 H = 19.17.57 15.5S 173W DEPTH NORMAL M = 8
HODGSON, J.H. ET AL 1962 PUB. DOM. OBS., 26, 229.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		111-14	104	78			11	73					47	69		
	85.4	109-20-17	102.1	76.5	.95S	.31T	7.8	72.3	.97D	.24T	144.4	2.9	47.5	67.5	235.6	22.3
			102.1	76.5	.95S	.31T	7.8	72.3	.97D	.24T	144.4	2.9	47.5	67.5	235.6	22.3
ROTATION ABOUT A,C,B AXIS																
	-0.6		102.1	76.5	.95S	.32T	7.6	71.7	.97D	.25T	144.3	3.3	46.6	67.0	235.7	22.7
	0		102.1	76.5	.95S	.31T	7.8	72.3	.97D	.24T	144.4	2.9	47.5	67.5	235.6	22.3
	-0.9		101.9	77.4	.95S	.31T	7.8	72.3	.97D	.23T	144.3	3.5	45.6	68.0	235.7	21.7
	1.4		102.6	75.2	.95S	.31T	7.8	72.3	.96D	.27T	144.9	2.0	50.3	66.6	235.7	23.3
	-1.2		103.3	76.9	.95S	.32T	9.0	72.0	.97D	.24T	145.6	3.3	47.5	67.5	236.9	22.2
	1.8		100.4	76.0	.95S	.31T	5.9	72.8	.97D	.25T	142.8	2.2	47.5	67.5	233.7	22.4
			CONE A		3 EXA	.23	CONE C		1 EXC	.80			CONE B		1 EXB	.74

453
APRIL 16, 1957 H = 04.04.04 4.5S 107.5E DEPTH 600 KM. M = 7.5
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		70-9	2	47			228	54					298	25		
	89.7	70-10-8	81.9	75.1	.95S	.30N	176.6	73.0	.96D	.27N	308.9	22.9	132.9	67.1	39.5	1.4
			47.9	51.9	.31S	.95N	200.3	41.5	.36D	.93N	284.9	75.0	126.7	14.0	35.4	5.4
ROTATION ABOUT A,C,B AXIS																
	-13.4		47.9	51.9	.08S	1.00N	220.7	38.3	.10D	1.00N	252.1	82.3	135.1	3.5	44.7	6.8
	18.2		47.9	51.9	.59S	.81N	178.1	50.5	.60D	.80N	291.8	62.4	113.7	27.6	23.3	.8
	-32.0		6.3	49.4	.16D	.99N	200.3	41.5	.18S	.98N	132.2	81.9	282.3	7.0	12.8	4.0
	22.4		72.3	61.4	.52S	.85N	200.3	41.5	.69D	.72N	300.4	60.2	146.0	27.3	50.2	11.0
	-9.6		52.2	42.9	.36S	.93N	204.8	50.5	.31D	.95N	322.9	75.4	126.7	14.0	217.7	3.9
	16.0		42.6	67.3	.26S	.97N	187.6	27.1	.53D	.85N	248.2	64.5	126.7	14.0	31.2	20.9
			CONE A	37 EXA	.53		CONE C	28 EXC	.19				CONE B	41 EXB	.42	

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
88.8	70-10-8	232.4	56.5	.48S	.88N	7.3	43.2	.59D	.81N	106.5	65.0	305.4	23.8	212.2	7.2
		211.3	45.5	.29D	.96N	54.5	46.9	.28S	.96N	309.6	78.2	133.2	11.8	43.1	.7
ROTATION ABOUT A,C,B AXIS															
-21.4		211.3	45.5	.62D	.79N	79.5	55.9	.53S	.85N	315.9	63.2	150.1	26.1	57.3	5.7
8.6		211.3	45.5	.14D	.99N	42.8	45.1	.14S	.99N	309.0	84.2	127.0	5.8	217.0	.2
-22.4		185.0	55.2	.56D	.83N	54.5	46.9	.63S	.78N	306.9	62.4	115.8	27.2	208.1	4.6
7.2		221.3	43.8	.17D	.99N	54.5	46.9	.16S	.99N	304.9	83.2	138.3	6.6	48.1	1.6
-8.0		207.6	37.9	.33D	.94N	51.8	54.6	.25S	.97N	276.3	75.4	133.2	11.8	41.4	8.5
4.0		212.8	49.3	.27D	.96N	56.1	43.1	.30S	.95N	328.6	77.8	133.2	11.8	223.9	3.2
		CONE A	19 EXA	.59		CONE C	19 EXC	.60				CONE B	30 EXB	.01	

WITH ADDITIONAL DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE
OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
89.2	133-18-16	79.7	80.5	.97S	.24N	172.0	76.4	.99D	.17N	305.4	16.4	135.8	73.3	36.3	2.8
		50.1	58.8	.32S	.95N	197.4	35.7	.46D	.89N	270.9	70.1	130.3	15.6	36.9	12.0
ROTATION ABOUT A,C,B AXIS															
-13.4		50.1	58.8	.09S	1.00N	220.6	31.5	.14D	.99N	244.6	75.6	137.5	4.3	46.5	13.7
21.4		50.1	58.8	.64S	.77N	172.0	48.9	.73D	.69N	284.6	56.2	116.8	33.2	23.1	5.7
-6.4		42.8	57.0	.25S	.97N	197.4	35.7	.36D	.93N	261.6	73.6	124.8	12.1	32.4	10.9
19.2		70.0	66.4	.46S	.89N	197.4	35.7	.73D	.69N	289.5	59.0	148.2	25.1	50.0	16.9
-12.8		55.6	46.8	.37S	.93N	205.4	47.4	.37D	.93N	311.5	74.4	130.3	15.6	220.4	.3
3.6		48.8	62.2	.30S	.95N	194.3	32.6	.50D	.87N	263.4	67.8	130.3	15.6	35.9	15.4
		CONE A	20 EXA	.36		CONE C	24 EXC	.53				CONE B	30 EXB	.26	

454
APRIL 19, 1957 H = 22.19.26 52N 166.5W DEPTH NORMAL M = 7.1
HODGSON, J.H. ET AL 1962 PUB. DOM. OBS., 26, 229.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		154-22	-	-			-	-					-	-		
	87.2	153-22-18	217.5	66.1	.81S	.58N	323.7	57.8	.88D	.48N	87.6	41.5	278.0	48.0	182.2	5.2
			188.9	54.6	.26S	.97N	344.3	38.0	.34D	.94N	54.1	75.1	270.2	12.1	178.4	8.5
ROTATION ABOUT A,C,B AXIS																
	-50.2		188.9	54.6	.58D	.82N	59.7	48.3	.63S	.78N	309.5	61.6	121.2	28.1	213.1	3.5
	31.0		188.9	54.6	.72S	.70N	308.3	55.4	.71D	.70N	69.1	54.2	248.1	35.8	338.4	.5
	-38.4		141.2	54.3	.24D	.97N	344.3	38.0	.32S	.95N	276.8	75.9	59.5	11.3	151.2	8.3
	28.8		219.6	66.0	.51S	.86N	344.3	38.0	.75D	.66N	81.5	57.7	296.1	27.5	197.7	15.6
	-19.2		197.1	36.3	.35S	.94N	352.0	56.4	.25D	.97N	131.8	74.0	270.2	12.1	2.4	10.3
	8.0		186.6	62.4	.24S	.97N	339.0	30.6	.41D	.91N	35.1	69.5	270.2	12.1	176.6	16.3
			CONE A	43 EXA	.60		CONE C	47 EXC	.67				CONE B	74 EXB	.17	

THE ABOVE SOLN. REPRESENTS UNDEFINED CENTRAL COMPRESSIONAL CIRCLES.

455
* APRIL 24, 1957 H = 19.10.16 36.3N 29.1E DEPTH 25 KM. M = 6.7
OCAL, N. 1961 PUB. DOM. OBS., 24, 365.
SOBOUTI, M. 1964 DOCTORAL THESIS, U. OF PARIS. DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
OCAL			-	-			299	90					-	-		
	91.4	60-8-6	173.7	67.5	.99S	.13T	80.8	83.1	.92D	.38T	39.2	10.7	154.8	66.4	305.1	20.8
			192.9	55.1	.94S	.34T	91.2	73.9	.80D	.60T	55.7	12.0	160.7	50.5	316.5	36.9
ROTATION ABOUT A,C,B AXIS																
	-1.0		192.9	55.1	.93S	.36T	90.6	73.1	.80D	.60T	55.3	11.5	159.3	50.0	316.2	37.7
	10.2		192.9	55.1	.99S	.17T	97.4	82.1	.82D	.58T	60.1	17.9	176.4	53.9	319.2	30.2
	-32.0		182.5	85.6	.96S	.28T	91.2	73.9	1.00D	.08T	225.9	8.2	107.4	73.2	318.0	14.6
	.1		192.9	55.0	.94S	.34T	91.2	73.9	.80D	.60T	55.8	12.1	160.8	50.4	316.5	37.0
	-1.0		194.0	55.4	.94S	.35T	92.1	73.3	.81D	.59T	56.5	11.4	160.7	50.5	317.7	37.2
	.8		192.0	54.8	.94S	.33T	90.6	74.4	.80D	.60T	55.0	12.6	160.7	50.5	315.5	36.7
			CONE A	8 EXA	.94		CONE C	4 EXC	.84				CONE B	19 EXB	.65	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
SOBOUTI	98.0	67-2-1	303.1	83.5	.80S	.59N	37.9	53.9	.99D	.14N	164.1	29.8	24.4	53.1	265.9	19.7
			85.3	83.7	.53D	.85T	185.3	32.5	.98S	.20T	59.4	31.3	171.4	31.7	295.7	42.4
ROTATION ABOUT A,C,B AXIS																
	-50.2		85.3	83.7	.99D	.14T	176.2	82.2	.99S	.11T	40.8	1.0	136.8	80.0	310.7	9.9
	37.4		85.3	83.7	.09S	1.00T	306.3	8.3	.65D	.76T	90.2	38.5	355.9	5.4	259.2	51.0
	-28.8		59.5	69.5	.44D	.90T	185.3	32.5	.76S	.65T	40.3	20.4	139.9	24.1	274.6	57.5
	25.6		287.0	82.6	.53D	.85N	185.3	32.5	.97S	.24N	76.2	43.4	201.6	31.5	312.6	30.3
	-5.6		82.4	88.5	.53D	.85T	174.9	31.8	1.00S	.05T	55.1	35.6	171.4	31.7	290.6	38.3
	6.4		88.8	78.3	.54D	.84T	196.5	34.3	.93S	.36T	63.7	26.2	171.4	31.7	302.3	46.7
			CONE A	26 EXA	.78		CONE C	32 EXC	.86				CONE B	69 EXB	.38	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	96.7	67-4-2	154.0	67.8	.92S	.38T	55.1	69.2	.91D	.41T	14.8	.9	106.3	58.7	284.2	31.3
			166.8	69.8	.93S	.36T	69.2	70.1	.93D	.37T	28.0	.2	118.3	61.0	297.9	29.0
ROTATION ABOUT A,C,B AXIS																
	.0		166.8	69.8	.93S	.36T	69.2	70.1	.93D	.37T	28.0	.2	118.3	61.0	297.9	29.0
	11.8		166.8	69.8	.99S	.16T	73.5	81.1	.94D	.35T	31.5	7.7	141.0	67.8	298.6	20.6
	-9.6		163.2	78.8	.94S	.35T	69.2	70.1	.98D	.21T	205.1	5.9	100.9	67.0	297.5	22.2
	57.6		219.6	22.6	.46S	.89T	69.2	70.1	.19D	.98T	60.7	24.4	155.4	10.2	266.5	63.3
	.0		166.8	69.8	.93S	.36T	69.2	70.1	.93D	.37T	28.0	.2	118.3	61.0	297.9	29.0
	9.6		157.0	66.6	.95S	.30T	59.9	73.9	.91D	.41T	19.6	4.8	118.3	61.0	287.0	28.5
			CONE A	25 EXA	.86		CONE C	11 EXC	.19				CONE B	28 EXB	.82	

DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	86.5	46-10-8	163.7	64.5	1.00S	.10N	256.1	85.0	.90D	.43N	32.8	21.5	176.4	63.9	297.2	14.1
			165.1	63.0	.99S	.11N	257.9	84.5	.89D	.46N	34.9	22.9	178.6	62.3	298.6	14.7
ROTATION ABOUT A,C,B AXIS																
	-2.2		165.1	63.0	.99S	.15N	258.9	82.5	.89D	.46N	35.2	24.4	183.1	61.8	299.1	13.2
	.6		165.1	63.0	1.00S	.10N	257.6	85.0	.89D	.46N	34.7	22.5	177.3	62.5	298.3	15.0
	-2.0		164.8	61.0	.99S	.11N	257.9	84.5	.87D	.49N	35.3	24.2	177.7	60.4	297.9	16.0
	14.4		166.7	77.3	1.00S	.10N	257.9	84.5	.98D	.22N	33.0	12.9	191.0	76.1	301.9	5.0
	-0.6		165.8	62.9	.99S	.10N	258.5	84.7	.89D	.46N	35.4	22.8	178.6	62.3	299.0	14.9
	2.0		162.9	63.2	.99S	.13N	256.1	83.5	.89D	.45N	32.7	23.5	178.6	62.3	296.5	13.8
			CONE A	7 EXA	.84		CONE C	3 EXC	.07				CONE B	7 EXB	.83	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	86.2	46-10-7	161.7	64.7	.96S	.27T	64.8	75.8	.90D	.44T	25.0	7.4	128.3	60.5	291.0	28.4
			178.5	54.4	.91S	.41T	73.8	70.4	.79D	.62T	39.3	10.0	140.6	47.8	300.7	40.4
ROTATION ABOUT A,C,B AXIS																
	-18.2		178.5	54.4	.74S	.68T	60.4	56.6	.72D	.70T	29.9	1.3	120.9	36.8	298.2	53.2
	21.4		178.5	54.4	1.00S	.05T	86.8	87.6	.81D	.58T	48.4	22.5	173.5	54.3	306.7	26.2
	-25.6		168.0	78.2	.94S	.34T	73.8	70.4	.98D	.22T	209.9	5.3	107.3	66.9	302.1	22.4
	51.2		251.7	19.6	.03S	1.00T	73.8	70.4	.01D	1.00T	73.2	25.4	163.5	.6	254.8	64.6
	-11.2		190.3	59.6	.86S	.51T	83.6	63.8	.83D	.56T	47.7	2.6	140.6	47.8	315.3	42.1
	7.2		170.1	51.8	.94S	.33T	67.9	75.0	.77D	.64T	33.7	14.8	140.6	47.8	291.6	38.4
			CONE A	38 EXA	.76		CONE C	27 EXC	.54				CONE B	55 EXB	.48	

COMBINATION OF OCAL, SOBOUTI AND E.S.A. IN CASES OF DISAGREEMENT OF DATA STATION IS DISCARDED.

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	92.1	94-11-7	160.2	72.9	.95S	.30T	64.8	73.1	.95D	.31T	22.5	.1	112.8	65.6	292.4	24.4
			173.3	63.4	.96S	.28T	75.9	75.6	.89D	.46T	36.7	8.1	140.5	59.2	302.1	29.5
ROTATION ABOUT A,C,B AXIS																
	-4.6		173.3	63.4	.94S	.35T	73.7	71.5	.88D	.47T	35.0	5.3	133.1	56.7	301.6	32.8
	11.8		173.3	63.4	1.00S	.08T	81.4	86.1	.89D	.45T	40.4	15.6	163.7	63.1	304.2	21.4
	-22.4		167.2	85.0	.97S	.25T	75.9	75.6	1.00D	.09T	210.7	6.6	95.8	74.7	302.3	13.8
	1.2		173.7	62.2	.96S	.28T	75.9	75.6	.88D	.48T	37.1	8.9	141.6	58.1	301.9	30.4
	-3.6		177.1	64.4	.95S	.31T	79.3	74.0	.89D	.45T	39.7	6.3	140.5	59.2	306.1	30.0
	3.6		169.4	62.4	.97S	.25T	72.7	77.3	.88D	.47T	33.5	9.9	140.5	59.2	298.0	28.8
			CONE A	13 EXA	.69		CONE C	11 FXC	.56				CONE B	20 EXB	.31	

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* APRIL 25, 1957 H = 02.25.36 36.5N 28.9E DEPTH 25 KM. M = 6.7

OCAL, N. 1961 PUB. DOM. OBS., 24, 365.

SOBOUTI, M. 1964 DOCTORAL THESIS, U. OF PARIS. DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
OCAL		67	142	88			54	62								
	92.5	67-7-7	161.3	65.0	.94S	.35T	62.3	71.3	.90D	.45T	22.9	4.1	119.5	58.0	290.3	31.7
			187.0	55.1	.87S	.50T	78.8	65.9	.78D	.63T	45.1	6.6	141.8	45.3	308.7	43.9
ROTATION ABOUT A,C,B AXIS																
	-7.0		187.0	55.1	.80S	.60T	73.8	60.5	.75D	.66T	41.5	3.2	134.3	41.0	307.9	48.8
	31.0		187.0	55.1	1.00S	.02N	277.6	89.1	.82D	.57N	58.0	24.5	188.9	55.1	316.8	23.1
	-32.0		171.6	83.8	.91S	.41T	78.8	65.9	.99D	.12T	212.9	12.3	95.0	65.0	307.8	21.4
	.8		187.5	54.4	.86S	.50T	78.8	65.9	.77D	.64T	45.5	7.0	142.5	44.7	308.6	44.5
	-6.4		193.5	58.5	.83S	.55T	84.5	62.0	.81D	.59T	49.7	2.1	141.8	45.3	317.6	44.6
	1.6		185.3	54.4	.88S	.48T	77.5	66.9	.77D	.63T	44.0	7.7	141.8	45.3	306.5	43.6
			CONE A	16 EXA	.76		CONE C	17 FXC	.79				CONE B	35 EXB	.14	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	91.8	67-6-6	168.3	83.8	1.00S	.08T	77.8	85.2	.99D	.11T	33.1	1.0	130.3	82.2	303.0	7.7
			163.3	77.1	.38S	.92T	45.2	25.9	.86D	.51T	181.3	28.6	78.6	22.0	316.7	52.6
ROTATION ABOUT A,C,B AXIS																
	-63.0		163.3	77.1	.65D	.76T	267.9	42.0	.94S	.33T	133.9	21.6	242.6	39.1	22.1	43.1
	63.0		163.3	77.1	1.00S	.08T	72.3	85.8	.97D	.22T	28.2	6.1	144.4	76.4	296.9	12.1
	-3.6		159.9	78.6	.40S	.92T	45.2	25.9	.89D	.45T	178.8	29.8	74.8	22.9	313.5	50.9
	44.8		209.1	65.0	.12S	.99T	45.2	25.9	.25D	.97T	214.4	19.7	122.1	6.3	15.2	69.2
	-2.8		164.4	79.7	.38S	.92T	51.0	24.6	.90D	.43T	182.7	31.1	78.6	22.0	319.4	50.3
	12.8		157.9	65.4	.41S	.91T	25.3	34.1	.67D	.74T	175.7	16.9	78.6	22.0	300.1	61.7
			CONE A	27 EXA	.68		CONE C	44 EXC	.88				CONE B	78 EXB	.62	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	90.1	67-6-6	324.5	86.7	.88S	.47N	56.3	61.8	1.00D	.07N	186.7	22.0	48.4	61.6	283.8	17.0
			130.3	86.2	.04S	1.00T	342.2	4.5	.53D	.85T	132.5	41.2	40.4	2.4	307.7	48.7
ROTATION ABOUT A,C,B AXIS																
	-56.6		130.3	86.2	.81D	.58T	223.0	54.3	1.00S	.08T	92.2	21.5	215.0	54.0	350.5	27.4
	63.0		130.3	86.2	.91S	.42T	38.5	65.4	1.00D	.07T	171.9	14.3	48.6	65.1	267.2	19.9
	-32.0		98.3	88.0	.07S	1.00T	342.2	4.5	.90D	.44T	102.2	42.9	8.4	4.1	274.0	46.8
	22.4		152.7	85.5	.01S	1.00T	342.2	4.5	.16D	.99T	153.4	40.5	62.8	.7	332.0	49.5
	-19.2		311.1	74.6	.04S	1.00N	121.8	15.5	.16D	.99N	134.6	60.3	40.4	2.4	309.0	29.6
	2.8		130.2	83.4	.04S	1.00T	330.1	7.0	.34D	.94T	132.3	38.4	40.4	2.4	307.4	51.5
			CONE A		35 EXA	.60	CONE C		51 EXC	.82			CONE B		81 EXB	.55

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
SOBOUTI	90.9	69-7-6	149.2	86.0	.95S	.32T	57.9	71.3	1.00D	.07T	192.1	10.2	70.8	70.8	285.0	16.1
			152.9	85.0	.93S	.36T	61.0	69.1	1.00D	.09T	195.1	11.0	75.6	68.5	288.7	18.3
ROTATION ABOUT A,C,B AXIS																
	-0.2		152.9	85.0	.93S	.36T	61.0	68.9	1.00D	.09T	195.1	11.1	75.5	68.3	288.8	18.4
	7.0		152.9	85.0	.97S	.24T	61.7	76.1	1.00D	.09T	196.4	6.2	82.1	75.2	287.9	13.4
	-7.2		330.4	88.2	.93S	.36N	61.0	69.1	1.00D	.03N	193.9	15.9	55.8	69.0	287.8	13.3
	3.6		154.2	81.7	.93S	.36T	61.0	69.1	.99D	.15T	196.2	8.7	84.8	67.3	289.5	20.8
	0		152.9	85.0	.93S	.36T	61.0	69.1	1.00D	.09T	195.1	11.0	75.6	68.5	288.7	18.3
	9.6		143.9	81.7	.94S	.34T	50.9	70.3	.99D	.15T	186.0	7.8	75.6	68.5	278.9	19.9
			CONE A		10 EXA	.11	CONE C		8 EXC	.25			CONE B		9 EXB	.33

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	91.3	69-7-7	306.4	83.6	.85S	.53N	40.4	58.3	.99D	.13N	168.7	26.8	26.3	57.5	267.6	17.0
			306.4	83.6	.85S	.53N	40.4	58.3	.99D	.13N	168.7	26.8	26.3	57.5	267.6	17.0
ROTATION ABOUT A,C,B AXIS																
	0		306.4	83.6	.85S	.53N	40.4	58.3	.99D	.13N	168.7	26.8	26.3	57.5	267.6	17.0
	1.8		306.4	83.6	.86S	.50N	40.1	60.1	.99D	.13N	169.2	25.5	25.6	59.3	267.0	15.9
	-8.0		302.1	76.8	.84S	.54N	40.4	58.3	.96D	.27N	166.9	32.2	12.6	55.1	264.7	12.1
	9.6		131.5	88.2	.85S	.53T	40.4	58.3	1.00D	.04T	171.4	20.5	44.4	58.2	270.6	23.2
	-2.0		308.2	82.5	.85S	.53N	42.7	58.6	.99D	.15N	170.9	27.4	26.3	57.5	269.5	16.0
	1.4		305.2	84.3	.85S	.53N	38.8	58.1	.99D	.12N	167.3	26.3	26.3	57.5	266.3	17.7
			CONE A		8 EXA	.81	CONE C		2 EXC	.47			CONE B		6 EXB	.90

DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	93.0	48-4-4	148.5	67.8	.92S	.39T	49.3	68.7	.91D	.41T	9.0	.6	100.0	58.4	278.7	31.6
			170.7	65.1	.65S	.76T	54.4	46.4	.81D	.58T	198.6	10.9	100.5	36.1	302.8	51.8
ROTATION ABOUT A,C,B AXIS																
	-37.4		170.7	65.1	.05S	1.00T	357.9	25.1	.11D	.99T	173.0	20.0	82.0	2.8	344.4	69.7
	43.8		170.7	65.1	.99S	.10T	78.3	84.8	.91D	.42T	37.1	13.5	157.3	64.5	301.7	21.2
	-16.0		158.2	76.0	.70S	.71T	54.4	46.4	.94D	.34T	189.8	18.5	81.7	43.0	296.9	41.2
	2.0		172.4	63.8	.64S	.77T	54.4	46.4	.79D	.61T	199.8	10.1	102.6	35.0	303.5	53.1
	-6.4		175.1	70.0	.63S	.78T	62.1	42.9	.86D	.50T	202.6	16.0	100.5	36.1	312.2	49.4
	1.6		169.5	63.9	.66S	.76T	52.6	47.3	.80D	.60T	197.7	9.7	100.5	36.1	300.4	52.2
			CONE A		12 EXA	.56	CONE C		25 EXC	.90			CONE B		38 EXB	.78

COMBINATION OF OCAL, SOROUTI AND E.S.A. IN CASES OF DISAGREEMENT OF DATA STATION IS DISCARDED.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
91.2	103-10-9	152.9	88.4	.96S	.28T	62.4	73.8	1.00D	.03T	196.5	10.2	68.4	73.7	288.8	12.5
		148.0	85.1	.87S	.49T	55.3	60.9	1.00D	.10T	188.1	16.5	66.7	60.4	285.6	23.8
ROTATION ABOUT A,C,B AXIS															
-1.0		148.0	85.1	.86S	.50T	55.2	59.9	1.00D	.10T	187.8	17.1	66.3	59.4	285.8	24.5
18.2		148.0	85.1	.98S	.19T	57.1	79.0	1.00D	.09T	192.1	4.3	81.7	78.0	283.0	11.2
-22.4		316.9	75.4	.86S	.50N	55.3	60.9	.96D	.29N	182.7	31.5	23.4	56.8	278.6	9.5
.5		148.3	84.7	.87S	.49T	55.3	60.9	.99D	.11T	188.2	16.2	67.7	60.3	285.7	24.2
-0.5		148.5	85.4	.87S	.49T	55.9	60.9	1.00D	.09T	188.6	16.7	66.7	60.4	286.1	23.7
1.2		147.0	84.5	.87S	.49T	53.9	61.0	.99D	.11T	187.0	16.0	66.7	60.4	284.3	24.2
		CONE A		6 EXA	.93	CONE C		6 EXC	.91			CONE B		21 EXB	.16

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MAY 2, 1957 H = 21.36.25 7.5S 120E DEPTH 600 M = 6.7
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		31-5	341	50			223	60					288	36		
	89.5	32-5-3	247.8	67.6	.67S	.74N	.4	47.0	.85D	.52N	114.1	48.7	318.6	38.6	218.6	12.3
			243.9	58.8	.35S	.94N	28.2	36.7	.50D	.87N	107.3	69.0	323.0	17.3	229.3	11.5
ROTATION ABOUT A,C,H AXIS																
	-43.8		243.9	58.8	.40D	.92N	103.7	38.3	.55S	.84N	17.6	67.2	166.5	19.8	260.5	10.9
	31.0		243.9	58.8	.78S	.62N	356.4	57.8	.79D	.61N	119.7	48.1	300.9	41.9	210.3	.6
	-9.6		233.0	55.9	.25S	.97N	28.2	36.7	.35D	.94N	94.4	74.4	314.7	12.0	222.6	9.8
	25.6		269.4	70.2	.52S	.85N	28.2	36.7	.82D	.57N	128.2	53.7	347.6	29.5	246.3	19.1
	-4.8		246.0	54.3	.37S	.93N	31.9	41.0	.45D	.89N	119.7	71.2	323.0	17.3	230.8	7.0
	25.6		235.2	83.0	.30S	.95N	346.2	18.8	.93D	.38N	74.1	49.0	323.0	17.3	220.0	35.7
			CONE A		33 EXA	.14	CONE C		48 EXC	.59			CONE B		51 EXB	.53

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* MAY 26, 1957 H = 06.33.30 40.7N 31.2E DEPTH 25 KM. M = 7.3
OCAL, N. 1961 PUB. DOM. OBS., 24, 365.
SOBOUTI, M. 1964 DOCTORAL THESIS, U. OF PARIS. DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
OCAL		66	168	75			78	87								
	92.8	66-5-5	71.5	82.4	.95S	.32N	164.0	71.6	.99D	.14N	296.5	18.5	140.0	70.0	29.0	7.4
			83.7	75.3	.58S	.82N	193.3	38.0	.91D	.41N	301.0	47.5	163.4	34.1	57.4	22.2
ROTATION ABOUT A,C,B AXIS																
	-37.4		83.7	75.3	.04D	1.00N	271.5	14.9	.13S	.99N	260.8	59.7	354.2	1.9	85.3	30.3
	50.2		83.7	75.3	1.00S	.08N	174.8	85.7	.97D	.25N	310.1	13.4	100.6	74.6	218.4	7.3
	-11.2		73.9	69.0	.54S	.84N	193.3	38.0	.81D	.58N	294.2	54.2	151.1	30.0	50.5	17.7
	44.8		299.7	77.6	.59S	.81T	193.3	38.0	.94D	.35T	326.9	24.0	218.6	35.2	83.4	45.2
	-4.8		86.6	71.4	.59S	.81N	200.1	40.1	.87D	.50N	307.2	50.0	163.4	34.1	60.5	18.4
	16.0		74.5	88.5	.56S	.83N	166.8	34.1	1.00D	.05N	284.3	37.2	163.4	34.1	45.7	34.5
			CONE A	34 EXA	.63		CONE C	43 EXC	.76				CONE B	70 EXB	.36	

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
SOBOUTI	89.6	59-7-5	66.0	84.6	.98S	.22N	157.2	77.2	1.00D	.10N	291.0	12.9	133.6	76.1	22.2	5.2
			270.1	87.9	.63S	.78T	177.5	39.2	1.00D	.06T	301.7	31.5	181.9	39.1	57.1	35.1
ROTATION ABOUT A,C,B AXIS																
	-21.4		270.1	87.9	.30S	.95T	173.4	17.8	.99D	.12T	286.5	40.3	180.8	17.7	72.6	44.4
	21.4		270.1	87.9	.87S	.49T	178.9	60.5	1.00D	.04T	310.7	18.7	183.9	60.4	48.6	22.0
	-6.4		85.2	88.1	.63S	.78N	177.5	39.2	1.00D	.05N	298.1	34.9	173.6	39.1	53.6	31.7
	14.4		281.5	78.9	.61S	.79T	177.5	39.2	.95D	.31T	309.9	24.3	200.0	37.0	65.0	43.2
	-0.1		270.2	87.9	.63S	.78T	177.7	39.1	1.00D	.06T	301.7	31.5	181.9	39.1	57.2	35.0
	5.6		266.6	83.5	.63S	.77T	168.7	39.8	.98D	.18T	297.0	27.6	181.9	39.1	51.6	38.5
			CONE A	11 EXA	.73		CONE C	16 EXC	.87				CONE B	30 EXB	.51	

DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	98.1	33-1-0	299.6	75.5	.47S	.88T	184.6	31.5	.88D	.48T	321.3	25.2	217.3	27.3	87.3	51.3
			107.5	85.3	.24S	.97N	215.7	14.7	.95D	.32N	302.2	47.9	196.4	13.9	94.9	38.8
ROTATION ABOUT A,C,B AXIS																
	-50.2		107.5	85.3	.59D	.81N	11.2	36.5	.99S	.14N	255.1	38.7	20.9	36.2	136.6	30.7
	37.4		107.5	85.3	.78S	.63N	201.2	51.5	.99D	.10N	327.0	29.9	191.7	51.1	70.8	22.5
	-76.8		30.0	75.4	.03D	1.00N	215.7	14.7	.10S	1.00N	207.9	59.6	300.3	1.4	31.1	30.4
	44.8		331.0	83.6	.23S	.97T	215.7	14.7	.90D	.44T	342.7	37.3	242.5	13.1	136.5	49.7
	-8.0		109.5	77.6	.25S	.97N	239.9	18.8	.74D	.67N	307.2	55.2	196.4	13.9	97.8	31.1
	16.0		283.6	79.1	.24S	.97T	156.8	17.7	.79D	.62T	295.5	32.7	196.4	13.9	86.7	53.8
			CONE A	54 EXA	.80		CONE C	46 EXC	.73				CONE B	103 EXB	.28	

COMBINATION OF OCAL, SOBOUTI AND E.S.A. IN CASES OF DISAGREEMENT OF DATA STATION IS DISCARDED.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
88.5	89-11-9	63.4	80.6	.91S	.42N	157.7	65.7	.98D	.18N	288.1	24.0	133.8	63.7	22.6	10.1
		90.0	80.8	.50S	.87N	195.6	31.0	.95D	.31N	300.2	46.0	174.7	29.3	66.2	29.5
ROTATION ABOUT A,C,B AXIS															
-21.4		90.0	80.8	.15S	.99N	227.5	12.4	.67D	.75N	279.8	53.5	178.6	8.2	82.7	35.3
31.0		90.0	80.8	.87S	.49N	185.1	61.2	.98D	.18N	313.8	27.0	164.0	59.5	50.6	13.2
-25.6		66.3	69.1	.40S	.92N	195.6	31.0	.72D	.69N	279.6	59.1	147.5	21.9	48.8	20.7
32.0		297.6	82.9	.50S	.86T	195.6	31.0	.97D	.24T	322.2	31.2	211.7	30.0	87.9	43.9
-5.6		92.8	75.9	.50S	.86N	205.4	33.1	.90D	.44N	306.4	49.8	174.7	29.3	69.7	24.8
14.4		262.9	86.7	.49S	.87T	167.0	29.6	.99D	.12T	287.9	35.1	174.7	29.3	55.5	41.0

CONE A 34 EXA .65 CONE C 32 EXC .62 CONE B 55 EXB .09

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
89.1	89-10-9	71.6	82.3	.93S	.36N	164.5	69.0	.99D	.14N	296.2	20.4	142.5	67.5	29.7	9.1
		89.9	80.8	.50S	.87N	195.5	31.1	.95D	.31N	300.3	45.9	174.7	29.4	66.1	29.5
ROTATION ABOUT A,C,B AXIS															
-21.4		89.9	80.8	.15S	.99N	227.2	12.4	.67D	.74N	280.0	53.5	178.6	8.3	82.7	35.3
31.0		89.9	80.8	.87S	.49N	185.0	61.2	.98D	.18N	313.8	27.0	164.0	59.5	50.6	13.2
-25.6		66.3	69.1	.40S	.92N	195.5	31.1	.72D	.69N	279.6	59.1	147.4	21.9	48.7	20.7
32.0		297.5	82.8	.50S	.86T	195.5	31.1	.97D	.24T	322.1	31.1	211.7	30.0	87.8	44.0
-5.6		92.8	76.0	.51S	.86N	205.3	33.2	.90D	.44N	306.4	49.7	174.7	29.4	69.6	24.9
12.8		263.6	88.1	.49S	.87T	170.1	29.5	1.00D	.07T	289.2	36.3	174.7	29.4	56.8	39.7

CONE A 33 EXA .68 CONE C 31 EXC .65 CONE B 55 EXB .09

459

JUNE 11, 1957 H = 14.49.47 30S 178W DEPTH 100 KM. M = 6.8

HODGSON, J.H. ET AL 1962 PUB. DOM. OBS., 26, 229.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		77-14	308	88			38	70					38	70		
	80.5	79-18-15	155.5	65.4	.92S	.39T	55.6	69.4	.90D	.44T	16.3	2.6	110.3	57.0	284.6	32.9
			183.9	48.0	.14S	.99T	16.0	42.6	.16D	.99T	189.7	2.7	99.4	6.1	303.6	83.3
ROTATION ABOUT A,C,B AXIS																
-56.6			183.9	48.0	.75D	.66T	304.6	60.5	.64S	.77T	331.6	7.2	236.8	33.8	72.1	55.2
56.6			183.9	48.0	.90S	.43T	76.4	71.5	.71D	.71T	45.2	14.4	148.7	42.2	300.7	44.2
-44.8			134.3	66.4	.60S	.80T	16.0	42.6	.81D	.59T	160.1	13.7	60.9	33.1	269.3	53.5
32.0			226.0	51.4	.34D	.94T	16.0	42.6	.39S	.92T	212.0	4.5	303.3	15.4	106.0	73.9
-19.2			186.8	67.0	.11S	.99T	23.3	23.8	.26D	.97T	191.8	21.7	99.4	6.1	354.6	67.3
28.8			172.2	19.8	.31S	.95T	11.4	71.2	.11D	.99T	6.4	25.9	99.4	6.1	201.6	63.3

CONE A 61 EXA .37 CONE C 74 EXC .58 CONE B 93 EXB .32

460
JUNE 13, 1957 H = 10.40.38 51.5N 175W DEPTH NORMAL M = 7
HODGSON, J.H. ET AL 1962 PUB. DOM. OBS., 26, 229.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		117-19	-	-			-	-					-	-		
	84.0	117-21-17	147.6	52.5	.15S	.99T	341.9	38.4	.20D	.98T	153.9	7.1	63.0	7.0	288.9	80.0
			182.7	53.5	.12D	.99T	351.3	37.1	.16S	.99T	177.8	8.2	268.6	5.5	32.0	80.1
ROTATION ABOUT A,C,B AXIS																
	-37.4		182.7	53.5	.70D	.72T	304.1	54.9	.69S	.73T	333.1	.8	242.6	34.1	64.3	55.9
	43.8		182.7	53.5	.60S	.80T	54.4	50.0	.63D	.78T	207.9	1.9	116.8	28.9	301.4	61.0
	-19.2		158.8	53.6	.13S	.99T	351.3	37.1	.17D	.98T	164.2	8.3	73.3	6.0	307.8	79.7
	28.8		215.6	61.6	.42D	.91T	351.3	37.1	.61S	.79T	197.8	13.2	293.2	21.8	78.9	64.2
	-4.8		182.0	58.2	.11D	.99T	349.9	32.3	.18S	.98T	177.3	13.0	268.6	5.5	21.0	75.8
	16.0		185.8	37.6	.16D	.99T	354.5	52.9	.12S	.99T	359.3	7.7	268.6	5.5	143.3	80.5
			CONE A	32 EXA	.57		CONE C	41 EXC	.74				CONE B	62 EXB	.41	

THE ABOVE SOLN. REPRESENTS UNDEFINED CENTRAL DILATATIONAL CIRCLES.

461
JUNE 22, 1957 H = 23.50.23 1.5S 137E DEPTH NORMAL M = 7.2
RITSEMA, A.R. AND VELDKAMP, J. 1960 MED. VERH. NED. MET. INST., 76.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		26-4	323	83			233	90					323	83		
	87.3	25-3-3	231.1	89.5	.99S	.12N	321.1	83.0	1.00D	.01N	95.9	5.3	317.0	83.0	186.3	4.6
			231.1	89.5	.99S	.12N	321.1	83.0	1.00D	.01N	95.9	5.3	317.0	83.0	186.3	4.6
ROTATION ABOUT A,C,B AXIS																
	-0.4		231.1	89.5	.99S	.13N	321.1	82.6	1.00D	.01N	95.8	5.6	317.2	82.6	186.3	4.9
	3.8		231.1	89.5	1.00S	.06N	321.1	86.8	1.00D	.01N	96.0	2.6	312.2	86.8	186.1	1.9
	-1.4		230.9	88.1	.99S	.12N	321.1	83.0	1.00D	.03N	95.8	6.2	305.8	82.8	186.2	3.6
	1.4		51.2	89.1	.99S	.12T	321.1	83.0	1.00D	.02T	95.9	4.3	328.5	83.0	186.4	5.5
	-2.0		233.1	89.3	.99S	.12N	323.1	83.0	1.00D	.01N	97.5	5.4	317.0	83.0	187.9	4.4
	1.6		229.5	89.7	.99S	.12N	319.5	83.0	1.00D	.01N	94.2	5.2	317.0	83.0	184.7	4.7
			CONE A	3 EXA	.22		CONE C	4 EXC	.14				CONE B	3 EXB	.33	

462
JUNE 27, 1957 H = 00.09.28 56.5N 116E DEPTH NORMAL M = 7.5
HODGSON, J.H. ET AL 1962 PUB. DOM. OBS., 26, 229.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		123-19	155	83			63	64					79	64		
	84.9	123-22-19	209.0	78.0	.77S	.63N	308.7	51.7	.96D	.26N	71.5	35.8	284.8	49.2	174.2	16.9
			184.9	61.6	.06S	1.00N	358.2	28.5	.10D	.99N	12.7	73.2	273.4	2.8	182.6	16.6
ROTATION ABOUT A,C,B AXIS																
	-43.8		184.9	61.6	.65D	.76N	65.9	48.1	.77S	.64N	313.4	53.9	117.1	35.0	212.6	7.8
	43.8		184.9	61.6	.73S	.68N	298.8	53.1	.80D	.59N	57.7	49.5	247.9	40.0	153.6	5.1
	-1.2		183.5	61.6	.04S	1.00N	358.2	28.5	.08D	1.00N	9.6	73.3	272.3	2.2	181.6	16.6
	1.6		186.7	61.7	.07S	1.00N	358.2	28.5	.13D	.99N	16.7	73.0	274.8	3.6	183.7	16.6
	-0.8		185.0	60.8	.06S	1.00N	358.4	29.3	.10D	1.00N	13.2	74.0	273.4	2.8	182.6	15.8
	.6		184.9	62.2	.06S	1.00N	358.1	27.9	.10D	.99N	12.4	72.6	273.4	2.8	182.5	17.2
			CONE A	2 EXA	.50		CONE C	11 EXC	.98				CONE B	16 EXB	.97	

463
JULY 2, 1957 H = 00.42.23 36N 53E DEPTH NORMAL M = 7.3
HODGSON, J.H. ET AL 1962 PUB. DOM. OBS., 26, 229.
PERONACI, F. 1959 ANNALI DI GEOFIS., 12, 523 SCHAFFNER, H.J. 1961 ANNALI DI GEOFIS., 14, 327.
SOBOUTI, M. 1964 DOCTORAL THESIS, U. OF PARIS. DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		102-11	316	50			193	55					257	32		
	87.4	105-15-13	326.5	42.9	.62S	.79T	193.4	57.5	.50D	.87T	172.6	7.9	266.3	24.8	66.2	63.8
			40.3	46.3	.26D	.97T	199.0	45.8	.26S	.97T	29.7	.3	119.7	10.8	298.3	79.2
ROTATION ABOUT A,C,B AXIS																
	-11.8		40.3	46.3	.45D	.89T	184.0	49.9	.43S	.90T	201.7	1.9	111.0	19.1	297.1	70.8
	31.0		40.3	46.3	.27S	.96T	242.7	46.0	.28D	.96T	51.4	.2	321.4	11.4	142.2	78.6
	-44.8		339.8	51.5	.45S	.89T	199.0	45.8	.49D	.87T	358.5	3.0	267.4	20.7	96.5	69.1
	22.4		66.8	55.4	.53D	.85T	199.0	45.8	.61S	.79T	44.7	5.2	137.3	25.9	304.1	63.5
	-16.0		35.6	61.8	.21D	.98T	190.8	30.5	.37S	.93T	26.6	16.0	119.7	10.8	242.4	70.6
	9.6		44.4	37.1	.31D	.95T	202.1	55.1	.23S	.97T	211.5	9.2	119.7	10.8	341.0	75.8
			CONE A		41 EXA	.62	CONE C		33 EXC	.40			CONE B		54 EXB	.36

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
PERONACI		36	-	-			321	52					14	39		
	94.9	36-3-3	33.3	50.2	.64S	.76T	266.1	54.0	.61D	.79T	240.4	2.1	331.6	29.7	146.7	60.2
			40.1	43.9	.56S	.83T	263.2	54.9	.47D	.88T	243.5	5.9	336.0	22.8	139.8	66.4
ROTATION ABOUT A,C,B AXIS																
	-0.2		40.1	43.9	.56S	.83T	263.0	54.8	.47D	.88T	243.3	5.8	335.8	22.7	139.7	66.5
	2.6		40.1	43.9	.60S	.80T	266.0	56.1	.50D	.87T	245.2	6.6	338.2	24.4	141.1	64.6
	-8.0		31.3	48.8	.64S	.76T	263.2	54.9	.59D	.81T	238.4	3.4	330.3	29.0	142.3	60.8
	19.2		67.6	36.1	.22S	.98T	263.2	54.9	.16D	.99T	256.7	9.5	347.9	7.4	115.3	77.9
	-0.4		40.4	44.3	.56S	.83T	263.4	54.5	.48D	.88T	243.7	5.5	336.0	22.8	141.0	66.5
	2.8		37.7	41.6	.58S	.81T	261.6	57.4	.46D	.89T	242.4	8.5	336.0	22.8	133.3	65.5
			CONE A		9 EXA	.88	CONE C		3 EXC	.13			CONE B		9 EXB	.90

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	92.0	36-4-3	67.0	33.2	.16S	.99T	257.9	57.3	.10D	.99T	253.6	12.1	344.7	5.0	96.7	76.9
			62.4	37.6	.31S	.95T	264.6	54.5	.23D	.97T	255.0	8.6	346.7	10.8	127.3	76.1
ROTATION ABOUT A,C,B AXIS																
	-0.4		62.4	37.6	.30S	.95T	264.1	54.4	.23D	.97T	254.8	8.5	346.4	10.5	126.4	76.4
	3.8		62.4	37.6	.37S	.93T	269.0	55.4	.27D	.96T	257.8	9.1	349.9	13.0	133.6	74.0
	-22.4		33.5	48.6	.63S	.77T	264.6	54.5	.58D	.81T	240.1	3.3	331.9	28.3	144.1	61.5
	14.4		86.5	35.6	.03D	1.00T	264.6	54.5	.02S	1.00T	265.4	9.5	175.2	.9	79.8	80.5
	-0.5		62.7	38.1	.30S	.95T	264.7	54.0	.23D	.97T	255.1	8.1	346.7	10.8	129.0	76.4
	2.4		61.2	35.4	.32S	.95T	263.9	56.8	.22D	.97T	254.6	10.9	346.7	10.8	120.4	74.6
			CONE A		10 EXA	.92	CONE C		3 EXC	.31			CONE B		12 EXB	.89

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
SOBOUTI	86.7	69-9-8	205.6	65.9	.20S	.98T	51.7	26.5	.40D	.92T	214.1	20.1	120.3	10.3	4.7	67.2
			205.6	65.9	.20S	.98T	51.7	26.5	.40D	.92T	214.1	20.1	120.3	10.3	4.7	67.2
ROTATION ABOUT A,C,B AXIS																
	-5.4		205.6	65.9	.10S	.99T	39.8	24.8	.22D	.97T	210.1	20.7	118.1	5.4	14.2	68.6
	7.0		205.6	65.9	.31S	.95T	64.6	29.9	.57D	.82T	219.2	18.9	123.3	16.7	354.7	64.3
	-9.6		195.5	68.1	.26S	.96T	51.7	26.5	.55D	.84T	207.0	21.7	111.3	14.1	350.7	63.7
	5.6		211.7	64.9	.15S	.99T	51.7	26.5	.31D	.95T	218.2	19.4	125.4	7.9	14.3	68.9
	-0.4		205.7	66.3	.20S	.98T	52.1	26.1	.41D	.91T	214.2	20.5	120.3	10.3	5.2	66.8
	.7		205.5	65.2	.20S	.98T	51.1	27.1	.39D	.92T	214.0	19.4	120.3	10.3	3.9	67.8
			CONE A		4 EXA	.93	CONE C		4 EXC	.91			CONE B		14 EXB	.18

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	86.4	69-10-9	345.4	72.4	1.00S	.08N	76.7	85.8	.95D	.30N	212.4	15.4	359.7	71.9	119.8	9.3
			344.6	73.0	1.00S	.07N	75.9	85.9	.96D	.29N	211.6	14.9	359.1	72.5	119.2	9.0
ROTATION ABOUT A,C,B AXIS																
	-18.2		344.6	73.0	.92S	.38N	81.5	68.5	.95D	.31N	212.2	27.7	39.5	62.1	303.8	3.0
	1.8		344.6	73.0	1.00S	.04N	75.4	87.6	.96D	.29N	211.2	13.6	353.1	72.9	118.7	10.2
	-0.2		344.6	72.8	1.00S	.07N	75.9	85.9	.96D	.30N	211.6	15.0	358.9	72.3	119.1	9.1
	1.8		344.8	74.8	1.00S	.07N	75.9	85.9	.97D	.26N	211.4	13.6	.7	74.3	119.5	7.7
	-1.2		345.9	73.0	1.00S	.07N	77.0	86.2	.96D	.29N	212.6	14.7	359.1	72.5	120.1	9.2
	.1		344.5	73.1	1.00S	.08N	75.8	85.9	.96D	.29N	211.5	14.9	359.1	72.5	119.1	9.0
			CONE A		2 EXA	.35	CONE C		5 EXC	.93			CONE B		6 EXB	.90

COMBINATION OF HODGSON, PERONACI AND SOBOUTI, IN CASES OF DISAGREEMENT OF DATA STATION IS DISCARDED.

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	84.9	129-21-18	19.6	44.9	.31S	.95T	224.5	47.9	.30D	.96T	212.4	1.5	302.7	12.7	115.6	77.2
			29.6	46.6	.19D	.98T	194.2	44.4	.19S	.98T	22.0	1.1	112.2	7.8	284.0	82.1
ROTATION ABOUT A,C,B AXIS																
	-8.6		29.6	46.6	.33D	.94T	182.6	46.7	.33S	.94T	196.1	.1	106.1	13.9	286.3	76.1
	31.0		29.6	46.6	.35S	.94T	237.9	47.0	.34D	.94T	223.8	.2	313.9	14.6	133.1	75.4
	-8.0		18.6	45.7	.05D	1.00T	194.2	44.4	.05S	1.00T	16.5	.7	106.5	2.2	270.0	87.7
	1.0		31.0	46.8	.20D	.98T	194.2	44.4	.21S	.98T	22.8	1.2	113.0	8.5	284.8	81.4
	-9.6		27.5	56.1	.16D	.99T	191.0	35.0	.24S	.97T	20.7	10.6	112.2	7.8	237.8	76.7
	.6		29.8	46.1	.19D	.98T	194.4	45.0	.19S	.98T	22.1	.6	112.2	7.8	288.1	82.2
			CONE A		10 EXA	.12	CONE C		20 EXC	.74			CONE B		19 EXB	.77

464
JULY 14, 1957 H = 06.23.52 27S 178W DEPTH 225 KM. M = 7.2
HODGSON, J.H. ET AL 1962 PUB. DOM. OBS., 26, 229.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		132-11	194	84			102	74					124	74		
	91.9	132-12-11	125.1	66.9	.99S	.15N	218.4	82.3	.92D	.40N	354.0	21.9	145.7	65.5	259.8	10.5
			77.5	36.3	.45S	.89N	225.4	58.1	.31D	.95N	3.2	70.7	145.4	15.5	238.6	11.3
ROTATION ABOUT A,C,B AXIS																
	-43.8		77.5	36.3	.29D	.96N	278.3	55.5	.21S	.98N	136.2	76.0	1.4	10.0	269.6	9.7
	63.0		77.5	36.3	1.00S	.00N	167.7	89.9	.59D	.81N	317.0	34.8	77.8	36.3	198.3	34.6
	-44.8		2.2	40.5	.58D	.81N	225.4	58.1	.45S	.90N	95.3	65.7	300.7	22.2	206.8	9.4
	44.8		120.4	67.5	.82S	.57N	225.4	58.1	.89D	.45N	349.8	40.2	181.7	49.2	84.8	5.9
	-28.8		129.0	16.1	.96S	.27N	234.2	85.7	.27D	.96N	38.0	47.1	145.4	15.5	248.2	38.7
	9.6		71.4	45.1	.38S	.93N	221.4	49.0	.35D	.94N	333.2	74.4	145.4	15.5	236.0	2.0
			CONE A		59 EXA	.57	CONE C		64 EXC	.64			CONE B		98 EXB	.16

465
JULY 22, 1957 H = 10.16.31 34.4N 136.3E DEPTH 350 KM.
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA		40	92	90			-	0					2	0		
	100.0	40-0	329.2	15.7	.75S	.66N	99.5	79.7	.21D	.98N	265.2	53.8	11.7	11.7	109.6	33.7
			330.5	22.9	.89S	.46N	86.3	79.6	.35D	.94N	243.0	51.2	.1	20.1	103.1	31.6
ROTATION ABOUT A,C,B AXIS																
	-31.0		330.5	22.9	.52S	.85N	117.0	70.6	.21D	.98N	277.9	62.4	31.2	11.7	126.6	24.6
	43.8		330.5	22.9	.96S	.28T	225.6	83.8	.38D	.93T	206.7	35.1	313.1	21.9	68.4	46.7
	-25.6		239.9	11.6	.44D	.90N	86.3	79.6	.09S	1.00N	272.6	55.1	175.4	5.0	82.0	34.4
	22.4		345.3	43.9	.97S	.26N	86.3	79.6	.68D	.73N	227.6	39.6	5.8	42.0	117.7	22.5
	-11.2		.5	20.1	1.00S	.01T	270.2	89.9	.34D	.94T	251.2	41.5	.1	20.1	109.1	41.7
	9.6		312.5	28.6	.72S	.69N	82.7	70.6	.36D	.93N	232.8	58.9	.1	20.1	98.9	22.7
			CONE A		32 EXA	.57	CONE C		39 EXC	.72			CONE B		60 EXB	.36

466
JULY 28, 1957 H = 08.40.04 17N 99W DEPTH NORMAL M = 7.5
HODGSON, J.H. ET AL 1962 PUB. DOM. OBS., 26, 229.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		93-15	192	2			12	88					282	0		
	86.4	93-14-12	5.5	85.0	.01S	1.00N	180.9	5.0	.08D	1.00N	186.0	50.0	95.5	.4	5.2	40.0
			11.2	89.0	.05D	1.00N	262.7	3.0	.95S	.32N	188.3	45.9	281.3	2.9	14.1	43.9
ROTATION ABOUT A,C,B AXIS																
	-8.6		11.2	89.0	.20D	.98N	276.5	11.5	1.00S	.08N	179.7	44.8	281.4	11.5	22.3	42.9
	63.0		11.2	89.0	.87S	.50N	101.8	60.1	1.00D	.02N	232.4	21.4	99.5	60.1	330.6	19.9
	-1.0		10.2	89.1	.05D	1.00N	262.7	3.0	.95S	.30N	187.3	45.8	280.3	2.9	13.1	44.0
	1.2		12.4	89.0	.05D	1.00N	262.7	3.0	.94S	.34N	189.5	45.9	282.5	2.9	15.3	43.9
	-5.6		10.9	83.4	.05D	1.00N	214.9	7.2	.40S	.92N	187.6	51.5	281.3	2.9	13.6	38.3
	.1		11.2	89.1	.05D	1.00N	264.5	3.0	.96S	.29N	188.3	45.8	281.3	2.9	14.1	44.0
			CONE A		4 EXA	.61	CONE C		20 EXC	.92			CONE B		13 EXB	.97

467
SEPTEMBER 28, 1957 H = 00.27.31 31N 138E DEPTH 450 KM.
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA		37	229	70			99	30					146	21		
	100.0	37-0	213.5	67.1	.39S	.92T	81.0	32.0	.68D	.73T	230.5	18.9	132.9	21.1	358.8	61.0
			213.0	67.2	.39S	.92T	80.9	32.0	.68D	.73T	230.1	19.0	132.4	21.3	358.1	60.8
ROTATION ABOUT A,C,B AXIS																
	-2.2		213.0	67.2	.36S	.93T	77.7	30.6	.65D	.76T	228.6	19.5	131.5	19.3	.4	61.9
	3.8		213.0	67.2	.45S	.89T	85.7	34.7	.73D	.68T	232.7	17.9	134.2	24.7	354.9	58.8
	-2.8		210.3	68.3	.41S	.91T	80.9	32.0	.72D	.70T	228.2	19.8	129.7	22.4	355.6	59.4
	22.4		236.8	60.3	.22S	.98T	80.9	32.0	.35D	.94T	245.9	14.4	153.1	10.8	27.6	71.8
	-0.1		213.1	67.3	.39S	.92T	81.0	32.0	.68D	.73T	230.1	19.1	132.4	21.3	358.3	60.8
	2.4		212.0	65.0	.40S	.92T	77.9	33.8	.65D	.76T	229.1	16.8	132.4	21.3	354.3	62.4
			CONE A	8 EXA	.90		CONE C	4 EXC	.58				CONE B	12 EXB	.76	

WITH ADDITIONAL DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE
OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	95.6	113-6-5	233.3	74.9	.35S	.94T	108.0	25.1	.79D	.62T	249.3	27.1	148.8	19.5	27.7	55.6
			232.6	75.2	.35S	.94T	108.0	25.0	.80D	.61T	248.7	27.4	148.0	19.7	27.0	55.2
ROTATION ABOUT A,C,B AXIS																
	-1.0		232.6	75.2	.33S	.94T	106.5	24.2	.78D	.62T	247.9	27.7	147.7	18.7	28.0	55.6
	3.8		232.6	75.2	.41S	.91T	112.9	28.1	.84D	.54T	251.4	26.3	149.1	23.3	23.4	53.6
	-5.6		227.2	77.2	.37S	.93T	108.0	25.0	.85D	.52T	244.5	29.0	142.2	21.1	21.5	52.9
	9.6		242.1	72.0	.30S	.95T	108.0	25.0	.68D	.73T	255.8	25.0	157.7	16.8	37.2	59.2
	-0.9		232.9	76.0	.35S	.94T	109.7	24.5	.81D	.58T	249.1	28.2	148.0	19.7	27.8	54.5
	1.8		231.9	73.5	.35S	.94T	104.8	26.1	.76D	.65T	247.9	25.7	148.0	19.7	25.0	56.7
			CONE A	6 EXA	.82		CONE C	4 EXC	.44				CONE B	9 EXB	.68	

468
SEPTEMBER 28, 1957 H = 14.20.00 20.5S 178W DEPTH 670 KM. M = 7.5
HODGSON, J.H. ET AL 1962 PUB. DOM. OBS., 26, 229.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		147-17	233	15			143	90					233	15		
	90.3	149-16-14	132.4	83.9	.26S	.97N	244.1	16.2	.92D	.38N	328.6	49.0	220.8	14.9	119.2	37.2
			145.1	67.9	.03S	1.00N	320.9	22.1	.07D	1.00N	328.1	67.1	234.6	1.5	144.0	22.9
ROTATION ABOUT A,C,B AXIS																
	-31.0		145.1	67.9	.49D	.87N	21.5	36.2	.77S	.64N	285.7	56.8	67.1	27.1	166.5	17.7
	24.6		145.1	67.9	.44S	.90N	272.5	33.7	.74D	.68N	2.0	58.7	224.7	24.1	125.9	18.8
	-32.0		111.0	70.6	.19D	.98N	320.9	22.1	.47S	.88N	274.0	62.9	24.6	10.2	119.4	24.9
	9.6		155.5	68.5	.09S	1.00N	320.9	22.1	.23D	.97N	344.9	66.1	243.5	5.0	151.3	23.3
	-25.6		146.2	42.4	.04S	1.00N	323.2	47.7	.03D	1.00N	115.2	87.0	234.6	1.5	324.7	2.7
	19.2		144.6	87.1	.03S	1.00N	297.5	3.2	.45D	.89N	326.3	47.9	234.6	1.5	143.2	42.1
			CONE A	43 EXA	.07		CONE C	50 EXC	.19				CONE B	48 EXB	.25	

WITH ADDITIONAL DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE
OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
88.0	181-23-21	133.0	84.2	.28S	.96N	242.1	17.3	.94D	.34N	330.3	48.3	221.3	16.2	118.6	37.1
		147.2	68.5	.08S	1.00N	315.1	21.9	.19D	.98N	335.1	66.2	235.5	4.2	143.7	23.4
ROTATION ABOUT A,C,B AXIS															
-31.0		147.2	68.5	.45D	.89N	20.9	33.6	.75S	.66N	290.6	57.9	67.5	24.6	166.7	19.2
15.0		147.2	68.5	.33S	.94N	283.1	28.7	.65D	.76N	356.9	61.6	229.8	18.1	132.5	21.2
-32.0		112.8	69.6	.14D	.99N	315.1	21.9	.35S	.94N	279.5	64.5	25.7	7.6	119.1	24.2
8.0		155.7	69.4	.13S	.99N	315.1	21.9	.33D	.94N	348.4	64.8	243.0	7.1	149.8	24.0
-2.0		147.3	66.6	.08S	1.00N	316.0	23.9	.18D	.98N	336.0	68.1	235.5	4.2	143.8	21.5
16.0		145.9	84.5	.07S	1.00N	288.5	6.9	.60D	.80N	330.6	50.3	235.5	4.2	142.0	39.4
		CONE A		27 EXA	.55	CONE C		29 EXC	.61			CONE B		43 EXB	.13

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
87.5	181-23-21	115.0	69.3	.19S	.98N	266.6	23.2	.44D	.90N	312.6	64.1	201.1	10.1	106.6	23.6
		139.5	66.5	.12S	.99N	302.6	24.5	.27D	.96N	332.4	67.8	226.7	6.3	134.2	21.2
ROTATION ABOUT A,C,B AXIS															
-31.0		139.5	66.5	.41D	.91N	7.7	33.2	.68S	.73N	283.0	60.9	59.6	22.0	157.2	18.0
10.2		139.5	66.5	.29S	.96N	281.8	28.8	.56D	.83N	348.3	64.4	222.5	15.7	126.7	19.7
-32.0		104.5	66.6	.13D	.99N	302.6	24.5	.28S	.96N	270.7	67.6	17.5	6.8	110.2	21.3
4.0		143.8	67.0	.15S	.99N	302.6	24.5	.33D	.94N	339.4	66.9	230.4	7.9	137.3	21.5
-1.8		139.7	64.7	.12S	.99N	303.7	26.2	.25D	.97N	333.9	69.5	226.7	6.3	134.5	19.4
16.0		137.6	82.4	.11S	.99N	277.3	9.9	.64D	.77N	324.9	52.2	226.7	6.3	131.9	37.1
		CONE A		25 EXA	.51	CONE C		27 EXC	.57			CONE B		39 EXB	.13

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
87.0	181-24-22	317.8	19.6	.38S	.93N	114.3	71.9	.13D	.99N	282.5	62.3	26.7	7.3	120.4	26.5
		315.1	22.8	.13D	.99N	143.0	67.4	.05S	1.00N	328.9	67.5	231.9	2.9	140.7	22.3
ROTATION ABOUT A,C,B AXIS															
-0.2		315.1	22.8	.13D	.99N	143.3	67.4	.06S	1.00N	329.0	67.5	232.0	2.9	140.8	22.3
31.0		315.1	22.8	.40S	.92N	109.7	69.2	.17D	.99N	273.9	64.6	23.1	8.9	117.0	23.6
-16.0		281.1	29.3	.62D	.79N	143.0	67.4	.33S	.94N	353.4	62.7	225.5	17.6	128.8	20.2
32.0		18.2	36.1	.76S	.65N	143.0	67.4	.48D	.88N	283.5	57.5	65.0	26.5	164.0	17.4
-16.0		298.8	7.3	.39D	.92N	142.2	83.3	.05S	1.00N	325.6	51.6	231.9	2.9	139.6	38.2
2.0		315.7	24.8	.12D	.99N	143.2	65.4	.05S	1.00N	329.7	69.4	231.9	2.9	140.8	20.3
		CONE A		29 EXA	.62	CONE C		24 EXC	.42			CONE B		39 EXB	.35

469
OCTOBER 4, 1957 H = 05.26.09 11N 63W DEPTH 100 KM. M = 6.7
HODGSON, J.H. ET AL 1962 PUB. DOM. OBS., 26, 229.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		89-18	165	44			295	59					224	27		
	81.3	88-18-14	289.6	27.2	.99S	.16N	27.8	85.8	.45D	.89N	181.9	42.9	299.9	26.8	50.8	35.3
			296.4	22.9	.98S	.19T	196.1	85.7	.38D	.92T	176.4	36.8	284.3	22.4	38.5	44.8
ROTATION ABOUT A,C,B AXIS																
	-18.2		296.4	22.9	.99S	.12N	32.9	87.3	.39D	.92N	190.9	43.2	304.0	22.7	53.2	38.2
	.4		296.4	22.9	.98S	.20T	195.7	85.5	.38D	.92T	176.0	36.6	283.8	22.4	38.1	45.0
	-4.8		299.3	18.2	.97S	.24T	196.1	85.7	.30D	.95T	180.2	38.2	284.7	17.6	34.2	46.5
	32.0		289.1	54.6	1.00S	.09T	196.1	85.7	.81D	.58T	158.0	20.9	280.0	54.3	56.5	27.5
	-0.4		297.4	23.0	.98S	.21T	196.2	85.3	.38D	.92T	176.6	36.4	284.3	22.4	38.8	45.2
	8.0		275.6	22.7	.99S	.14N	13.0	86.9	.38D	.92N	171.1	43.7	284.3	22.4	33.0	37.9

CONE A 18 EXA .77 CONE C 12 EXC .55 CONE B 26 EXB .49

470
OCTOBER 6, 1957 H = . . 34.6N 134.0E DEPTH 10 KM.
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA		13	135	90			45	90					-	90		
	100.0	13-0	44.9	84.4	1.00S	.04N	135.2	87.7	1.00D	.10N	270.2	5.6	67.4	83.9	179.9	2.3
			44.9	84.1	1.00S	.04N	135.2	87.6	.99D	.10N	270.4	5.9	67.4	83.6	180.1	2.5
ROTATION ABOUT A,C,B AXIS																
	-75.8		44.9	84.1	.20S	.98N	161.3	13.1	.89D	.45N	237.8	49.6	133.7	11.7	34.4	38.0
	63.0		44.9	84.1	.49S	.87T	304.5	30.0	.98D	.21T	69.4	32.7	318.3	29.3	196.5	43.2
	-64.0		38.5	20.2	.99S	.12N	135.2	87.6	.34D	.94N	295.6	43.9	46.1	20.0	153.5	39.4
	76.8		232.2	19.3	.99S	.13T	135.2	87.6	.33D	.94T	117.6	39.6	224.3	19.1	334.0	44.2
	-5.6		50.5	83.9	1.00S	.03N	140.7	88.2	.99D	.11N	276.1	5.6	67.4	83.6	185.8	3.1
	8.0		36.9	84.5	1.00S	.06N	127.2	86.8	1.00D	.10N	262.3	6.2	67.4	83.6	172.1	1.6

CONE A 44 EXA .90 CONE C 43 EXC .90 CONE B 140 EXB .01

471
OCTOBER 31, 1957 H = 02.47.45 37.6N 140.8E DEPTH 80 KM.
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA		30	252	65			126	40					174	29		
	91.0	30-2-2	245.1	68.0	.55S	.83T	125.8	39.5	.81D	.59T	269.2	16.3	169.1	30.9	23.1	54.2
			243.5	68.5	.57S	.82T	125.8	40.3	.82D	.57T	268.5	16.3	167.9	32.2	21.3	53.0
ROTATION ABOUT A,C,B AXIS																
	-0.8		243.5	68.5	.56S	.83T	125.0	39.6	.82D	.58T	267.9	16.6	167.4	31.4	21.7	53.5
	3.0		243.5	68.5	.61S	.79T	128.3	42.8	.84D	.54T	270.2	15.1	169.4	34.8	19.7	51.2
	-57.6		17.8	75.4	.61S	.79N	125.8	40.3	.92D	.39N	236.4	45.9	96.6	36.5	349.9	21.2
	9.6		252.3	63.2	.52S	.85T	125.8	40.3	.72D	.70T	274.4	12.7	177.6	27.6	26.6	59.1
	-1.6		244.5	69.8	.57S	.82T	127.8	39.4	.84D	.54T	269.4	17.6	167.9	32.2	23.6	52.2
	.8		243.0	67.8	.57S	.82T	124.7	40.7	.82D	.58T	268.0	15.6	167.9	32.2	20.0	53.4

CONE A 13 EXA .96 CONE C 3 EXC .37 CONE B 16 EXB .94

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	89.5	30-3-3	9.0	58.3	.74S	.67N	124.6	55.1	.77D	.64N	245.1	50.9	69.0	39.0	337.5	1.9
			9.4	58.0	.74S	.67N	124.9	55.3	.77D	.64N	245.7	51.0	69.0	39.0	337.7	1.6
ROTATION ABOUT A,C,B AXIS																
	-0.8		9.4	58.0	.73S	.68N	125.6	54.7	.76D	.65N	245.7	51.5	69.7	38.4	338.2	1.9
	5.4		9.4	58.0	.80S	.60N	120.9	59.5	.79D	.61N	245.8	47.2	64.0	42.8	154.8	.9
	-16.0		354.7	47.0	.63S	.78N	124.9	55.3	.56D	.83N	247.0	62.3	55.9	27.3	148.3	4.6
	12.8		18.6	67.9	.79S	.61N	124.9	55.3	.89D	.46N	247.1	41.9	82.7	47.0	344.2	7.8
	-0.6		9.9	57.6	.75S	.67N	125.5	55.7	.76D	.65N	246.7	51.0	69.0	39.0	338.1	1.1
	1.0		8.5	58.7	.74S	.68N	124.0	54.7	.77D	.64N	244.2	50.9	69.0	39.0	337.1	2.4
			CONE A		7 EXA	.94	CONE C		3 EXC	.74			CONE B		13 EXB	.78

472
NOVEMBER 10, 1957 H = 08.26.06 34.3N 139.3E DEPTH 5 KM.
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA		28	47	57			311	85					32	56		
	97.3	28-1-1	71.7	24.1	.88S	.47T	315.5	78.8	.37D	.93T	297.9	30.5	41.1	21.1	160.1	51.5
			73.8	81.1	1.00S	.03T	343.5	88.3	.99D	.15T	298.7	5.1	62.5	80.9	208.0	7.5
ROTATION ABOUT A,C,B AXIS																
	-63.0		73.8	81.1	.43S	.90T	325.7	26.7	.94D	.34T	94.5	31.5	348.0	24.9	227.1	47.9
	75.8		73.8	81.1	.28S	.96N	192.2	18.2	.87D	.49N	272.0	51.3	161.3	15.8	60.2	34.2
	-57.6		251.6	41.3	1.00S	.05N	343.5	88.3	.66D	.75N	129.6	33.5	255.1	41.3	16.5	30.7
	64.0		79.2	17.2	.99S	.10T	343.5	88.3	.29D	.96T	327.6	40.9	73.0	17.1	180.4	44.1
	-14.4		88.4	81.8	1.00S	.07T	357.8	86.1	.99D	.14T	313.2	3.0	62.5	80.9	222.8	8.6
	8.0		65.7	81.0	1.00S	.01T	335.6	89.5	.99D	.16T	291.1	6.1	62.5	80.9	200.3	6.8
			CONE A		52 EXA	.82	CONE C		56 EXC	.84			CONE B		130 EXB	.12

473
NOVEMBER 14, 1957 H = . . 34.0N 134.2E DEPTH 40 KM.
ICHIKAWA, M. 1961 GEOPHY. MAG., TOKYO, 30, 355.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ICHIKAWA		11	8	90			98	90					53	90		
	94.5	11-1-1	265.2	6.8	.69S	.72T	129.2	85.1	.08D	1.00T	124.9	39.9	218.8	4.7	314.4	49.7
			269.9	7.8	.64S	.77T	130.0	84.0	.09D	1.00T	125.4	38.8	219.4	5.0	315.5	50.8
ROTATION ABOUT A,C,B AXIS																
	-18.2		269.9	7.8	.37S	.93T	111.7	82.7	.05D	1.00T	109.1	37.6	201.3	2.9	295.0	52.2
	24.6		269.9	7.8	.90S	.43T	154.5	86.6	.12D	.99T	147.8	41.2	244.1	7.1	342.0	47.9
	-16.0		235.2	21.8	.96S	.28T	130.0	84.0	.36D	.93T	111.7	35.6	217.6	20.9	331.7	46.9
	7.2		329.7	6.4	.34D	.94T	130.0	84.0	.04S	1.00T	131.9	39.0	40.2	2.1	307.6	51.0
	-0.3		271.3	8.1	.62S	.78T	130.0	83.7	.09D	1.00T	125.4	38.5	219.4	5.0	315.6	51.1
	6.4		215.3	5.0	1.00S	.07N	309.4	89.6	.09D	1.00N	124.3	45.2	219.4	5.0	314.3	44.4
			CONE A		12 EXA	.71	CONE C		17 EXC	.84			CONE B		32 EXB	.46

474
NOVEMBER 29, 1957 H = 22.19.38 21S 66W DEPTH 225 KM. M = 7.9
HODGSON, J.H. ET AL 1962 PUB. DOM. OBS., 26, 229.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		116-20	341	45			86	75					10	41		
	86.3	117-21-18	80.9	73.3	.96S	.29N	175.8	74.0	.95D	.30N	308.5	23.4	127.2	66.6	218.3	.5
			80.9	73.3	.96S	.29N	175.8	74.0	.95D	.30N	308.5	23.4	127.2	66.6	218.3	.5
ROTATION ABOUT A,C,B AXIS																
	-0.2		80.9	73.3	.96S	.29N	175.9	73.9	.95D	.30N	308.7	23.5	127.6	66.5	218.5	.4
	4.6		80.9	73.3	.98S	.21N	174.5	78.4	.96D	.29N	308.4	20.2	117.7	69.5	217.1	3.5
	0		80.9	73.3	.96S	.29N	175.8	74.0	.95D	.30N	308.5	23.4	127.2	66.6	218.3	.5
	.5		81.1	73.8	.96S	.29N	175.8	74.0	.96D	.29N	308.5	23.0	128.1	67.0	218.4	.1
	-0.1		81.0	73.3	.96S	.29N	175.9	74.1	.95D	.30N	308.7	23.4	127.2	66.6	218.5	.5
	.5		80.4	73.5	.96S	.29N	175.4	73.9	.96D	.30N	307.9	23.4	127.2	66.6	217.8	.3
			CONE A	1 EXA	.17		CONE C	2 EXC	.87				CONE B	2 EXB	.90	

475
DECEMBER 4, 1957 H = 03.37.45 45.5N 99.5E DEPTH NORMAL M = 7.9
HODGSON, J.H. ET AL 1962 PUB. DOM. OBS., 26, 229.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		137-29	216	55			111	72					178	49		
	78.0	137-30-28	201.8	61.8	.94S	.35T	101.9	72.3	.87D	.50T	63.7	6.8	163.9	55.8	329.2	33.3
			216.9	54.8	.81S	.58T	104.4	61.5	.76D	.66T	72.0	4.0	165.6	41.6	337.5	48.1
ROTATION ABOUT A,C,B AXIS																
	-3.0		216.9	54.8	.78S	.63T	102.1	59.3	.74D	.67T	70.4	2.7	162.6	39.6	337.2	50.3
	13.4		216.9	54.8	.93S	.38T	113.6	71.9	.80D	.61T	78.7	10.8	181.5	49.1	339.9	38.8
	-11.2		209.6	64.1	.85S	.53T	104.4	61.5	.87D	.50T	246.5	1.6	154.6	49.7	337.9	40.3
	1.0		217.6	54.0	.81S	.59T	104.4	61.5	.74D	.67T	72.6	4.5	166.5	40.8	337.5	48.8
	-3.2		220.0	56.7	.79S	.61T	107.2	59.5	.77D	.64T	74.1	1.7	165.6	41.6	342.2	48.4
	1.4		215.5	54.0	.82S	.57T	103.2	62.4	.75D	.66T	71.1	5.0	165.6	41.6	335.5	48.0
			CONE A	7 EXA	.62		CONE C	9 EXC	.72				CONE B	14 EXB	.26	

476
* DECEMBER 13, 1957 H = 01.44.59 34.6N 47.8E DEPTH SHALLOW
PERONACI, F. 1959 ANNALI DI GEOFIS., 12, 523 SCHAFFNER, H.J. 1961 ANNALI DI GEOFIS., 14, 327.
SOBOUTI, M. 1964 DOCTORAL THESIS, U. OF PARIS. DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
PERONACI		65	260	23			126	74					211	16		
	96.7	65-2-2	272.1	20.5	.71S	.70T	139.6	75.8	.26D	.97T	127.5	29.3	225.8	14.5	339.0	56.7
			225.1	41.7	.92S	.40T	117.3	74.8	.63D	.77T	88.9	20.1	195.2	37.6	337.0	45.6
ROTATION ABOUT A,C,B AXIS																
	-31.0		225.1	41.7	.58S	.81T	89.0	57.3	.46D	.89T	69.8	8.4	163.4	22.8	320.9	65.5
	8.6		225.1	41.7	.97S	.25T	124.0	80.3	.65D	.76T	93.7	24.2	205.8	40.0	341.3	40.4
	-22.4		215.4	62.7	.96S	.30T	117.3	74.8	.88D	.47T	78.3	8.0	181.3	58.1	343.5	30.7
	32.0		271.4	16.8	.42S	.91T	117.3	74.8	.13D	.99T	111.4	29.4	205.4	7.0	307.5	59.6
	-9.6		237.4	46.1	.85S	.53T	123.9	67.4	.66D	.75T	95.3	12.6	195.2	37.6	350.0	49.6
	1.2		223.4	41.2	.93S	.38T	116.5	75.7	.63D	.78T	88.1	20.9	195.2	37.6	335.5	45.0
			CONE A	24 EXA	.80		CONE C	21 EXC	.73				CONE B	46 EXB	.27	

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
SOBOUTI	82.9	77-13-11	246.0	41.2	.39S	.92T	95.3	52.6	.32D	.95T	82.0	5.9	173.6	14.8	330.9	74.0
			242.2	42.6	.44S	.90T	95.6	52.5	.37D	.93T	80.3	5.2	171.9	17.1	334.1	72.1
ROTATION ABOUT A,C,B AXIS																
	-7.0		242.2	42.6	.32S	.95T	87.1	50.2	.28D	.96T	75.5	3.9	166.4	12.6	328.7	76.8
	43.8		242.2	42.6	.94S	.35T	137.0	76.4	.65D	.76T	107.4	20.8	215.5	39.3	356.3	43.5
	-19.2		220.6	53.2	.65S	.76T	95.6	52.5	.66D	.75T	247.9	.4	157.7	31.4	338.6	58.6
	11.2		258.5	38.8	.23S	.97T	95.6	52.5	.18D	.98T	88.1	6.9	179.1	8.4	319.0	79.1
	-5.6		245.5	47.6	.40S	.92T	98.4	47.3	.40D	.92T	261.9	.2	171.9	17.1	352.5	72.9
	0		242.2	42.6	.44S	.90T	95.6	52.5	.37D	.93T	80.3	5.2	171.9	17.1	334.1	72.1
			CONE A		13 EXA	.82	CONE C		17 EXC	.89			CONE B		39 EXB	.40

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	82.7	77-13-11	255.3	35.0	.77S	.64T	131.1	68.6	.47D	.88T	110.4	18.7	210.0	26.2	349.0	56.9
			227.0	39.2	.81S	.58T	107.8	68.3	.55D	.83T	83.8	16.6	184.1	30.9	329.5	54.0
ROTATION ABOUT A,C,B AXIS																
	-31.0		227.0	39.2	.39S	.92T	76.0	54.5	.31D	.95T	63.3	7.9	155.4	14.5	305.6	73.4
	21.4		227.0	39.2	.97S	.25T	125.8	81.0	.62D	.78T	96.6	25.9	208.7	37.8	341.4	41.2
	-32.0		207.4	67.4	.92S	.40T	107.8	68.3	.91D	.41T	67.8	.6	158.7	57.8	337.4	32.2
	28.8		275.2	22.2	.20S	.98T	107.8	68.3	.08D	1.00T	104.2	23.2	196.1	4.4	296.2	66.4
	-16.0		243.9	50.0	.67S	.74T	118.5	55.3	.62D	.78T	92.3	3.0	184.1	30.9	357.4	58.9
	2.0		224.3	38.1	.83S	.55T	106.7	70.0	.55D	.84T	82.7	18.3	184.1	30.9	326.6	53.0
			CONE A		33 EXA	.70	CONE C		31 EXC	.66			CONE B		56 EXB	.14

COMBINATION OF PERONACI AND SOBOUTI. IN CASES OF DISAGREEMENT OF DATA STATION IS DISCARDED.

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	86.7	78-12-10	226.3	50.1	.61S	.80T	96.2	52.4	.59D	.81T	71.6	1.3	162.3	27.7	339.2	62.3
			225.1	51.0	.62S	.79T	96.3	52.3	.61D	.80T	71.0	.7	161.4	28.6	339.7	61.4
ROTATION ABOUT A,C,B AXIS																
	-10.2		225.1	51.0	.47S	.88T	85.1	46.7	.50D	.87T	244.4	2.3	153.5	21.3	340.2	68.6
	2.2		225.1	51.0	.65S	.76T	98.5	53.7	.62D	.78T	72.3	1.5	163.2	30.2	339.7	59.8
	-6.4		218.9	55.1	.67S	.75T	96.3	52.3	.69D	.72T	247.0	1.6	156.0	33.1	339.5	56.9
	25.6		257.6	39.2	.25S	.97T	96.3	52.3	.20D	.98T	88.0	6.6	179.1	9.2	322.7	78.6
	-4.8		228.7	54.8	.59S	.81T	100.2	48.6	.64D	.77T	253.3	3.4	161.4	28.6	349.6	61.2
	.6		224.6	50.5	.62S	.78T	95.8	52.8	.60D	.80T	70.7	1.3	161.4	28.6	338.4	61.4
			CONE A		13 EXA	.83	CONE C		8 EXC	.56			CONE B		20 EXB	.61

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	86.5	78-12-10	248.2	35.2	.81S	.59T	127.3	70.1	.49D	.87T	105.6	19.7	206.4	27.7	344.9	55.0
			231.8	34.9	.88S	.47T	118.2	74.4	.52D	.85T	94.3	22.9	198.7	30.4	333.7	50.3
ROTATION ABOUT A,C,B AXIS																
	-37.4		231.8	34.9	.42S	.91T	80.9	58.6	.28D	.96T	69.3	12.2	162.3	13.8	299.2	71.4
	11.8		231.8	34.9	.96S	.28T	128.3	80.8	.56D	.83T	101.9	27.8	212.2	33.4	341.5	43.8
	-22.4		219.2	55.6	.95S	.33T	118.2	74.4	.81D	.59T	82.3	12.1	187.8	51.2	343.3	36.2
	25.6		276.7	16.7	.35S	.94T	118.2	74.4	.11D	.99T	113.3	29.2	206.5	5.8	306.7	60.2
	-14.4		250.4	43.4	.74S	.68T	126.6	62.3	.57D	.82T	102.4	10.7	198.7	30.4	355.2	57.4
	.8		230.5	34.6	.89S	.45T	117.7	75.1	.52D	.85T	93.9	23.6	198.7	30.4	332.7	49.8
			CONE A	27 EXA	.68		CONE C	27 EXC	.69				CONE B	49 EXB	.02	

477
DECEMBER 17, 1957 H = 13.50.12 12.5S 166.5E DEPTH 100 KM. M = 7.7
HODGSON, J.H. ET AL 1962 PUB. DOM. OBS., 26, 229.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		148-28	-	-			-	-					-	-		
	78.2	143-31-30	236.7	30.7	.64S	.77T	101.1	67.0	.36D	.93T	85.6	19.4	182.6	19.2	313.8	62.2
			255.7	41.8	.28S	.96T	96.7	50.2	.24D	.97T	87.0	4.3	177.8	10.6	335.3	78.6
ROTATION ABOUT A,C,B AXIS																
	-50.2		255.7	41.8	.56D	.83T	33.4	56.5	.45S	.89T	52.0	7.9	318.8	22.0	160.5	66.5
	21.4		255.7	41.8	.61S	.79T	121.4	58.1	.48D	.88T	101.5	8.8	195.4	23.9	352.6	64.3
	-32.0		218.6	57.7	.65S	.76T	96.7	50.2	.72D	.70T	246.1	4.3	153.3	33.5	342.6	56.2
	57.6		332.9	56.3	.64D	.77T	96.7	50.2	.69S	.72T	306.0	3.5	38.2	32.1	210.6	57.7
	-16.0		260.9	57.3	.22S	.98T	103.4	34.8	.32D	.95T	270.0	11.5	177.8	10.6	46.1	74.3
	14.4		247.3	28.2	.39S	.92T	92.9	64.2	.20D	.98T	84.2	18.4	177.8	10.6	296.3	68.6
			CONE A	52 EXA	.66		CONE C	47 EXC	.58				CONE B	80 EXB	.20	

THE ABOVE SOLN. REPRESENTS UNDEFINED CENTRAL DILATATIONAL CIRCLES.

478
JANUARY 15, 1958 H = 19.14.29 16.5S 71.5W DEPTH 100 KM. M = 7
HODGSON, J.H. AND METZGER, M.E. 1962 PUB. DOM. OBS., 26, 305.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		109-12	296	59			29	82					312	57		
	88.9	109-14-10	18.9	80.7	.94S	.35N	112.3	70.0	.99D	.17N	244.1	20.8	85.3	67.8	337.0	7.3
			5.9	84.4	.13S	.99N	132.0	9.5	.80D	.59N	194.3	50.0	95.1	7.6	358.9	38.9
ROTATION ABOUT A,C,B AXIS																
	-75.8		5.9	84.4	.93D	.37N	273.6	68.2	.99S	.11N	142.0	19.4	289.7	67.4	48.0	11.2
	63.0		5.9	84.4	.94S	.33N	97.9	70.8	.99D	.10N	230.2	17.6	80.2	69.9	323.2	9.4
	-5.6		.3	83.6	.12S	.99N	132.0	9.5	.74D	.67N	188.3	50.9	89.5	7.1	353.9	38.2
	3.2		9.1	84.8	.14S	.99N	132.0	9.5	.84D	.55N	197.8	49.6	98.4	7.9	1.9	39.3
	-8.0		7.0	76.4	.14S	.99N	156.5	15.6	.49D	.87N	197.4	57.9	95.1	7.6	.5	31.0
	.4		5.9	84.8	.13S	.99N	130.0	9.3	.82D	.57N	194.1	49.6	95.1	7.6	358.8	39.3
			CONE A	9 EXA	.05		CONE C	34 EXC	.94				CONE B	35 EXB	.94	

479
FEBRUARY 1, 1958 H = 16.10.15 2N 79W DEPTH NORMAL M = 6.8
HODGSON, J.H. AND METZGER, M.E. 1962 PUB. DOM. OBS., 26, 305.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		99-14	160	85			251	83					216	81		
	86.7	99-15-11	258.6	79.6	1.00S	.04N	348.9	88.0	.98D	.18N	124.2	8.8	269.7	79.4	33.3	5.9
			263.2	76.6	1.00S	.04N	353.8	87.9	.97D	.23N	129.5	11.0	272.7	76.4	37.9	7.9
ROTATION ABOUT A,C,B AXIS																
	-2.6		263.2	76.6	1.00S	.08N	354.4	85.3	.97D	.23N	129.4	12.8	283.2	75.8	38.0	6.1
	.8		263.2	76.6	1.00S	.02N	353.6	88.6	.97D	.23N	129.1	10.5	269.3	76.5	37.5	8.4
	-0.3		263.2	76.3	1.00S	.04N	353.8	87.9	.97D	.24N	129.5	11.2	272.5	76.1	37.9	8.2
	1.2		263.3	77.8	1.00S	.04N	353.8	87.9	.98D	.21N	129.4	10.1	273.6	77.6	38.1	7.1
	-1.0		264.3	76.6	1.00S	.03N	354.7	88.1	.97D	.23N	130.3	10.8	272.7	76.4	38.8	8.1
	.8		262.4	76.6	1.00S	.04N	353.0	87.7	.97D	.23N	128.6	11.1	272.7	76.4	37.1	7.8
			CONE A		2 EXA	.17	CONE C		2 EXC	.47			CONE B		2 EXB	.56

480
FEBRUARY 1, 1958 H = 18.02.39 2N 79W DEPTH NORMAL
HODGSON, J.H. AND METZGER, M.E. 1962 PUB. DOM. OBS., 26, 305.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		79-10	160	85			251	83					216	81		
	90.4	79-11-7	24.8	11.0	.73S	.68T	252.2	82.5	.14D	.99T	245.0	37.0	341.1	8.0	81.4	51.9
			121.8	23.3	.55D	.84T	266.5	70.6	.23S	.97T	276.7	24.5	180.9	12.5	66.1	62.1
ROTATION ABOUT A,C,B AXIS																
	-1.4		121.8	23.3	.57D	.82T	265.0	71.0	.24S	.97T	275.7	24.8	179.6	12.9	64.5	61.6
	15.0		121.8	23.3	.31D	.95T	282.3	67.9	.13S	.99T	288.0	22.5	195.1	7.0	88.9	66.3
	-51.2		19.5	42.0	.87S	.50T	266.5	70.6	.62D	.79T	239.5	16.9	342.0	35.5	128.6	49.5
	6.4		133.6	27.3	.69D	.72T	266.5	70.6	.34S	.94T	281.4	23.2	183.2	18.5	58.4	59.6
	-0.3		121.4	23.6	.54D	.84T	266.4	70.3	.23S	.97T	276.6	24.2	180.9	12.5	65.8	62.4
	4.8		129.7	19.5	.65D	.76T	267.6	75.3	.22S	.97T	278.0	29.2	180.9	12.5	70.3	57.8
			CONE A		17 EXA	.91	CONE C		9 EXC	.69			CONE B		31 EXB	.72

481
FEBRUARY 1, 1958 H = 20.45.45 1.5N 79W DEPTH NORMAL M = 6.7
HODGSON, J.H. AND METZGER, M.E. 1962 PUB. DOM. OBS., 26, 305.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		74-9	266	69			-	-					-	-		
	89.4	73-10-6	267.2	68.5	.20S	.98T	116.8	24.4	.46D	.89T	276.2	22.6	181.6	10.9	67.7	64.6
			241.1	55.5	.32S	.95T	91.6	38.5	.42D	.91T	254.2	8.8	161.8	15.1	13.4	72.4
ROTATION ABOUT A,C,B AXIS																
	-50.2		241.1	55.5	.53D	.85T	13.5	45.5	.61S	.79T	219.2	5.5	311.8	25.7	118.0	63.6
	27.8		241.1	55.5	.72S	.69T	122.6	55.2	.72D	.69T	271.8	.2	181.7	36.5	2.1	53.5
	-22.4		217.5	64.9	.50S	.86T	91.6	38.5	.73D	.68T	239.1	14.7	141.4	27.2	354.4	58.5
	57.6		311.1	58.4	.40D	.92T	91.6	38.5	.54S	.84T	294.6	10.5	28.4	19.8	178.1	67.4
	-22.4		248.2	77.0	.27S	.96T	119.1	20.2	.76D	.65T	260.9	30.3	161.8	15.1	48.8	55.4
	16.0		233.4	40.6	.40S	.92T	83.3	53.4	.32D	.95T	70.0	6.6	161.8	15.1	317.0	73.4
			CONE A		55 EXA	.52	CONE C		55 EXC	.51			CONE B		79 EXB	.03

	SCORE	OBSERVED	PLANE A AZ	DIP	COMPONENT STRIKE	DIP	PLANE C AZ	DIP	COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
	90.2	73-10-6	39.8	85.5	.80S	.60N	133.2	53.1	1.00D	.10N	259.9	28.7	123.9	52.7	2.4	21.7
			231.2	61.2	.42S	.91T	95.4	37.4	.61D	.79T	249.1	12.8	153.9	21.8	7.3	64.4
ROTATION ABOUT A,C,B AXIS																
	-63.0		231.2	61.2	.62D	.79T	352.9	46.3	.75S	.67T	205.2	8.5	300.7	32.7	102.4	55.9
	43.8		231.2	61.2	.93S	.36T	130.7	71.5	.86D	.51T	92.9	6.7	192.4	54.8	358.3	34.4
	-14.4		217.2	68.1	.52S	.86T	95.4	37.4	.79D	.62T	239.7	17.3	139.9	28.6	356.9	55.7
	64.0		307.4	57.0	.32D	.95T	95.4	37.4	.44S	.90T	294.0	10.2	26.9	15.7	172.3	71.2
	-22.4		240.6	81.8	.37S	.93T	131.2	23.4	.93D	.36T	259.1	33.2	153.9	21.8	37.0	48.6
	19.2		219.8	44.3	.53S	.85T	81.0	53.7	.46D	.89T	61.9	5.0	153.9	21.8	319.6	67.6
			CONE A		57 EXA	.47	CONE C		67 EXC	.61			CONE B		92 EXB	.27

482
FEBRUARY 22, 1958 H = 10.50.23 50.5N 175W DEPTH NORMAL M = 6.7
HODGSON, J.H. AND METZGER, M.E. 1962 PUB. DOM. OBS., 26, 305.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	DIP	COMPONENT STRIKE	DIP	PLANE C AZ	DIP	COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
HODGSON		100-17	291	70			27	74					333	64		
	86.5	100-18-13	219.3	87.1	.93S	.37N	310.5	68.0	1.00D	.05N	82.7	17.5	302.2	67.8	177.0	13.2
			204.5	88.3	.90S	.44N	295.3	64.1	1.00D	.03N	66.9	19.2	291.0	64.1	162.9	16.7
ROTATION ABOUT A,C,B AXIS																
	-1.4		204.5	88.3	.89S	.46N	295.4	62.7	1.00D	.03N	66.5	20.2	291.2	62.7	163.2	17.6
	7.0		204.5	88.3	.95S	.32N	295.1	71.1	1.00D	.03N	68.1	14.5	289.5	71.0	161.3	12.0
	-1.0		204.1	87.4	.90S	.44N	295.3	64.1	1.00D	.05N	66.6	19.9	288.7	64.0	162.6	16.0
	6.4		27.3	86.0	.90S	.44T	295.3	64.1	1.00D	.08T	68.5	15.0	305.5	63.8	164.4	20.9
	-0.8		205.2	87.9	.90S	.44N	296.2	64.1	1.00D	.04N	67.8	19.5	291.0	64.1	163.8	16.4
	16.0		10.1	84.8	.90S	.43T	277.6	64.7	.99D	.10T	51.3	13.8	291.0	64.1	146.9	21.5
			CONE A		11 EXA	.56	CONE C		12 EXC	.50			CONE B		8 EXB	.12

483
* APRIL 3, 1958 H = 02.23.40 41N 20E DEPTH 25 KM. M = 5.5
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	DIP	COMPONENT STRIKE	DIP	PLANE C AZ	DIP	COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
E.S.A	85.2	18-2-2	276.1	27.9	.84S	.55N	36.0	75.2	.41D	.91N	187.1	53.7	312.5	23.1	54.7	26.4
			278.7	27.3	.86S	.51N	36.4	76.5	.41D	.91N	188.2	52.5	312.3	23.3	55.3	27.6
ROTATION ABOUT A,C,B AXIS																
	-6.2		278.7	27.3	.80S	.60N	42.3	74.1	.38D	.92N	194.0	55.3	318.8	21.6	59.8	25.8
	3.8		278.7	27.3	.89S	.45N	32.9	78.1	.42D	.91N	185.0	50.7	308.3	24.2	52.6	28.8
	-4.8		272.5	23.3	.81S	.59N	36.4	76.5	.33D	.94N	192.9	54.5	311.1	18.6	51.8	29.0
	5.6		284.1	32.2	.90S	.44N	36.4	76.5	.49D	.87N	183.8	49.7	314.0	28.7	59.2	25.7
	-1.8		282.2	26.4	.89S	.46N	37.2	78.2	.40D	.92N	190.1	51.1	312.3	23.3	56.3	29.2
	7.2		266.8	31.5	.76S	.66N	33.3	69.9	.42D	.91N	179.4	57.7	312.3	23.3	51.9	21.1
			CONE A		10 EXA	.13	CONE C		9 EXC	.10			CONE B		10 EXB	.04

484
* APRIL 3, 1958 H = 07.18.37 35.2N 27.2E DEPTH 25 KM. M = 5
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	95.6	15-0	263.9	85.3	.97S	.23N	355.0	76.7	1.00D	.08N	128.6	12.7	334.7	75.9	220.0	6.0
			264.4	85.4	.98S	.22N	355.4	77.2	1.00D	.08N	129.2	12.3	334.9	76.4	220.4	5.7
ROTATION ABOUT A,C,B AXIS																
	-4.6		264.4	85.4	.95S	.30N	355.8	72.6	1.00D	.08N	128.7	15.5	339.9	72.0	221.1	8.9
	0		264.4	85.4	.98S	.22N	355.4	77.2	1.00D	.08N	129.2	12.3	334.9	76.4	220.4	5.7
	-11.2		261.8	74.5	.97S	.23N	355.4	77.2	.96D	.27N	128.9	20.2	303.2	69.7	38.2	1.9
	4.0		265.2	89.3	.98S	.22N	355.4	77.2	1.00D	.01N	129.4	9.5	352.0	77.2	220.9	8.5
	-0.4		264.7	85.3	.98S	.22N	355.8	77.2	1.00D	.08N	129.6	12.3	334.9	76.4	220.8	5.6
	19.2		245.7	89.8	.97S	.24N	335.7	76.4	1.00D	0N	109.9	9.7	334.9	76.4	201.6	9.4
			CONE A	17 EXA	.22		CONE C	9 EXC	.77				CONE B	8 EXB	.70	

485
* APRIL 7, 1958 H = 15.30.38 66.5N 157W DEPTH SHALLOW M = 7.2
RITSEMA, A.R. 1962 BULL. SEIS. SOC. AM., 52, 723.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		85	-	-			148	64					-	-		
	85.8	85-14-12	106.1	56.6	.84S	.54N	215.4	63.4	.79D	.62N	343.5	44.9	155.2	44.8	249.3	4.2
			106.1	56.6	.84S	.54N	215.4	63.4	.79D	.62N	343.5	44.9	155.2	44.8	249.3	4.2
ROTATION ABOUT A,C,B AXIS																
	-3.0		106.1	56.6	.81S	.58N	217.5	61.1	.78D	.63N	343.9	47.0	158.4	42.9	250.9	2.7
	5.4		106.1	56.6	.89S	.45N	211.8	67.7	.80D	.59N	342.8	41.2	148.9	48.0	246.7	7.0
	-0.3		105.9	56.3	.84S	.54N	215.4	63.4	.78D	.62N	343.5	45.1	154.9	44.6	249.2	4.3
	.9		106.7	57.4	.85S	.53N	215.4	63.4	.80D	.60N	343.4	44.3	156.0	45.5	249.8	3.7
	-0.8		106.9	56.2	.85S	.53N	216.1	63.9	.78D	.62N	344.6	44.8	155.2	44.8	249.9	4.7
	1.6		104.5	57.5	.84S	.55N	214.0	62.4	.79D	.61N	341.2	45.0	155.2	44.8	248.2	3.0
			CONE A	2 EXA	.50		CONE C	4 EXC	.71				CONE B	3 EXB	.86	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	86.5	85-14-12	351.7	30.7	.27S	.96N	154.0	60.5	.16D	.99N	311.9	73.0	68.4	7.8	160.5	15.1
			350.4	29.3	.22S	.98N	156.2	61.4	.12D	.99N	319.5	72.7	69.5	6.1	161.3	16.1
ROTATION ABOUT A,C,B AXIS																
	0		350.4	29.3	.22S	.98N	156.2	61.4	.12D	.99N	319.5	72.7	69.5	6.1	161.3	16.1
	4.6		350.4	29.3	.29S	.96N	151.0	62.1	.16D	.99N	309.8	71.3	65.4	8.3	157.9	16.6
	-51.2		272.3	51.0	.79D	.62N	156.2	61.4	.70S	.72N	28.7	51.5	221.2	37.8	126.4	6.1
	38.4		40.8	51.9	.79S	.61N	156.2	61.4	.71D	.70N	283.4	50.8	92.0	38.6	186.5	5.6
	-2.4		351.6	27.0	.23S	.97N	156.5	63.8	.12D	.99N	322.0	70.4	69.5	6.1	161.6	18.5
	.1		350.4	29.4	.22S	.98N	156.2	61.3	.12D	.99N	319.3	72.8	69.5	6.1	161.3	16.0
			CONE A	15 EXA	.97		CONE C	3 EXC	.46				CONE B	20 EXB	.95	

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
85.8	85-14-12	152.7	60.0	.52S	.86N	282.3	42.1	.67D	.74N	22.4	61.4	225.9	26.6	130.9	9.8
		161.5	65.7	.22S	.97N	312.3	27.4	.44D	.90N	5.3	66.8	246.1	11.8	151.8	19.7
ROTATION ABOUT A,C,B AXIS															
-63.0		161.5	65.7	.77D	.64N	52.4	54.2	.86S	.51N	291.7	44.8	97.7	44.3	194.6	7.0
37.4		161.5	65.7	.77S	.64N	270.3	54.4	.86D	.51N	31.2	44.7	225.0	44.5	128.1	6.9
-12.8		147.5	63.5	.12S	.99N	312.3	27.4	.23D	.97N	342.5	70.7	234.4	6.2	142.4	18.2
6.4		168.2	67.3	.27S	.96N	312.3	27.4	.54D	.84N	14.3	64.3	252.0	14.4	156.4	20.8
-4.0		162.5	61.8	.23S	.97N	315.8	31.0	.40D	.92N	11.4	70.1	246.1	11.8	152.7	15.8
1.8		161.0	67.4	.22S	.98N	310.5	25.8	.47D	.88N	3.1	65.3	246.1	11.8	151.4	21.4
		CONE A		11 EXA	.70	CONE C		24 EXC	.94			CONE B		44 EXB	.81

486
APRIL 14, 1958 H = 21.32.28 1N 79.5W DEPTH NORMAL M = 6.7
HODGSON, J.H. AND METZGER, M.E. 1962 PUB. DOM. OBS., 26, 305.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		86-21	300	63			-	-					-	-		
	76.3	87-21-18	62.0	46.8	.79S	.62T	303.8	63.2	.64D	.77T	276.4	9.5	13.1	35.0	173.4	53.4
			62.0	46.8	.79S	.62T	303.8	63.2	.64D	.77T	276.4	9.5	13.1	35.0	173.4	53.4
ROTATION ABOUT A,C,B AXIS																
-0.2			62.0	46.8	.78S	.62T	303.6	63.1	.64D	.77T	276.2	9.4	12.9	34.9	173.3	53.5
.8			62.0	46.8	.79S	.61T	304.5	63.7	.65D	.76T	276.8	9.8	13.9	35.4	173.6	52.8
-16.0			50.7	60.0	.85S	.52T	303.8	63.2	.83D	.56T	267.9	2.0	.1	47.7	176.1	42.2
0			62.0	46.8	.79S	.62T	303.8	63.2	.64D	.77T	276.4	9.5	13.1	35.0	173.4	53.4
-0.4			62.5	47.1	.78S	.62T	304.1	62.9	.64D	.76T	276.6	9.2	13.1	35.0	174.0	53.5
.1			61.9	46.8	.79S	.62T	303.7	63.3	.64D	.77T	276.3	9.6	13.1	35.0	173.2	53.3
			CONE A		3 EXA	.97	CONE C		1 EXC	.50			CONE B		4 EXB	.94

487
APRIL 15, 1958 H = 01.30.43 1N 79.5W DEPTH NORMAL
HODGSON, J.H. AND METZGER, M.E. 1962 PUB. DOM. OBS., 26, 305.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		54-7	-	-			-	-					-	-		
	88.9	57-8-5	16.4	52.3	.88S	.47T	268.5	68.3	.75D	.66T	235.8	9.8	335.6	44.4	136.2	43.9
			66.1	37.3	.02D	1.00T	244.6	52.8	.02S	1.00T	245.2	7.8	155.1	.8	59.3	82.2
ROTATION ABOUT A,C,B AXIS																
-31.0			66.1	37.3	.53D	.85T	207.7	59.2	.38S	.93T	223.5	11.6	129.5	18.8	343.4	67.7
43.8			66.1	37.3	.68S	.74T	295.2	63.5	.46D	.89T	275.7	14.3	12.3	24.2	157.8	61.4
-44.8			6.8	55.0	.67S	.74T	244.6	52.8	.69D	.72T	35.2	1.3	304.4	33.5	127.1	56.5
19.2			95.8	41.6	.41D	.91T	244.6	52.8	.34S	.94T	258.8	5.8	167.1	15.9	8.2	73.0
-28.8			65.5	66.1	.01D	1.00T	243.4	24.0	.03S	1.00T	64.8	21.1	155.1	.8	247.2	68.9
25.6			68.8	11.7	.07D	1.00T	245.0	78.3	.01S	1.00T	245.6	33.3	155.1	.8	63.9	56.7
			CONE A		59 EXA	.15	CONE C		64 EXC	.27			CONE B		69 EXB	.14

THE ABOVE SOLN. REPRESENTS UNDEFINED CENTRAL DILATATIONAL CIRCLES.

488
* MAY 27, 1958 H = 18.27.42 36.5N 27E DEPTH 100 KM. M = 4.7
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	82.6	26-4-4	182.9	61.2	.97S	.26N	280.3	76.8	.87D	.49N	55.1	30.1	212.2	57.8	319.0	10.3
			199.5	29.7	.99S	.15T	101.9	85.6	.49D	.87T	77.0	34.0	189.4	29.4	309.8	41.9
ROTATION ABOUT A,C,B AXIS																
	-50.2		199.5	29.7	.75S	.66N	326.9	70.9	.39D	.92N	115.4	57.7	244.9	21.9	344.5	22.5
	50.2		199.5	29.7	.51S	.86T	54.2	64.8	.28D	.96T	42.1	18.2	137.1	14.8	263.8	66.2
	-38.4		346.0	9.9	.90D	.44T	101.9	85.6	.16S	.99T	110.0	40.0	12.5	8.9	272.2	48.7
	51.2		192.6	80.7	1.00S	.08T	101.9	85.6	.99D	.16T	57.7	3.4	167.0	79.7	327.1	9.7
	-25.6		239.7	41.4	.74S	.67T	115.6	63.7	.55D	.84T	92.2	12.5	189.4	29.4	341.7	57.5
	19.2		162.1	32.3	.92S	.40N	272.3	77.7	.50D	.86N	60.0	48.4	189.4	29.4	295.7	26.5
			CONE A	63 EXA	.50		CONE C	67 EXC	.55				CONE B	95 EXB	.11	

489
* JUNE 24, 1958 06.07.03 42.3N 13.4E DEPTH NORMAL
DI FILIPPO, D. AND PERONACI, F. 1964 ANNALI DI GEOFIS., 17, 195.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
DIFILIPPO	80.2	16-3-3	123.1	83.1	.20S	.98N	243.1	13.6	.86D	.51N	316.3	50.5	211.7	11.7	112.7	37.0
			123.0	83.0	.21S	.98N	242.9	13.8	.86D	.51N	316.4	50.6	211.5	11.9	112.4	36.9
ROTATION ABOUT A,C,B AXIS																
	-15.0		123.0	83.0	.05D	1.00N	326.7	7.6	.40S	.92N	299.6	51.9	33.4	3.0	125.7	37.9
	3.0		123.0	83.0	.26S	.97N	237.5	16.5	.90D	.43N	319.5	49.9	211.2	14.8	110.0	36.3
	-28.8		94.2	78.1	.12S	.99N	242.9	13.8	.51D	.86N	283.4	56.3	182.8	7.0	88.3	32.7
	16.0		138.7	86.5	.23S	.97N	242.9	13.8	.97D	.25N	332.6	46.9	227.9	13.4	126.4	40.0
	-6.4		124.4	76.8	.21S	.98N	261.1	17.9	.67D	.74N	320.1	56.5	211.5	11.9	114.3	30.8
	2.8		122.4	85.8	.21S	.98N	231.8	12.6	.94D	.34N	315.0	47.9	211.5	11.9	111.4	39.7
			CONE A	20 EXA	.79		CONE C	13 EXC	.49				CONE B	28 EXB	.60	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	77.0	16-3-3	318.2	60.2	.97S	.25T	221.0	77.7	.86D	.51T	182.5	11.6	291.1	57.3	85.7	30.1
			324.4	65.4	.77S	.64T	215.3	54.4	.86D	.51T	357.5	6.7	260.9	44.3	94.3	44.9
ROTATION ABOUT A,C,B AXIS																
	-31.0		324.4	65.4	.33S	.94T	184.4	30.8	.58D	.81T	338.6	18.2	242.7	17.4	112.0	64.4
	43.8		324.4	65.4	1.00S	.07N	56.1	86.4	.91D	.42N	193.1	19.8	334.0	65.1	97.8	14.5
	-25.6		308.3	85.8	.81S	.58T	215.3	54.4	1.00D	.09T	346.3	21.1	224.1	54.1	87.9	27.6
	51.2		21.7	36.4	.19S	.98T	215.3	54.4	.14D	.99T	209.6	9.1	300.6	6.5	65.8	78.8
	-16.0		337.0	76.2	.72S	.69T	234.1	47.6	.95D	.32T	9.3	18.0	260.9	44.3	115.3	40.2
	6.4		318.8	61.5	.80S	.61T	208.8	57.8	.83D	.56T	353.1	2.3	260.9	44.3	85.4	45.6
			CONE A	41 EXA	.71		CONE C	41 EXC	.70				CONE B	76 EXB	.03	

490
* JUNE 30, 1958 H = 08.42.41 36.5N 27.4E DEPTH 100 KM. M = 5.7
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	89.1	33-4-3	133.2	87.5	.57S	.82T	39.7	35.1	1.00D	.08T	162.3	33.2	45.0	35.0	282.5	37.5
			324.7	87.9	.35S	.94N	60.4	20.6	.99D	.11N	164.6	43.5	53.9	20.5	306.0	39.5
ROTATION ABOUT A,C,B AXIS																
	-37.4		324.7	87.9	.29D	.96N	227.7	17.0	.99S	.13N	128.0	44.6	235.4	16.9	340.5	40.6
	43.8		324.7	87.9	.90S	.43N	55.7	64.3	1.00D	.04N	187.1	19.4	50.3	64.2	283.1	16.3
	-38.4		287.8	75.7	.26S	.97N	60.4	20.6	.71D	.70N	127.3	56.8	14.0	14.5	275.7	29.2
	14.4		158.2	87.1	.35S	.94T	60.4	20.6	.99D	.14T	176.7	38.8	69.3	20.4	318.1	44.2
	-12.8		329.3	75.9	.36S	.93N	91.5	25.2	.82D	.57N	175.2	54.3	53.9	20.5	312.5	27.9
	9.6		141.3	83.2	.35S	.94T	33.8	21.7	.95D	.32T	159.1	35.0	53.9	20.5	299.6	47.8
			CONE A	34 EXA	.58		CONE C	43 EXC	.72				CONE B	65 EXB	.35	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	88.3	33-5-4	355.7	84.4	.01S	1.00N	169.5	5.6	.11D	.99N	176.3	50.6	85.6	.6	355.1	39.4
			327.0	87.0	.33S	.94N	65.4	19.6	.99D	.16N	166.2	44.7	55.9	19.3	309.4	39.0
ROTATION ABOUT A,C,B AXIS																
	-37.4		327.0	87.0	.31D	.95N	227.9	18.3	.99S	.17N	128.9	45.1	237.9	18.0	343.4	39.4
	43.8		327.0	87.0	.89S	.45N	58.5	63.2	1.00D	.06N	189.5	20.8	51.1	63.0	285.9	16.4
	-38.4		289.8	75.7	.23S	.97N	65.4	19.6	.68D	.74N	127.6	57.2	16.4	13.1	278.9	29.4
	16.0		162.0	87.6	.33S	.94T	65.4	19.6	.99D	.12T	179.8	39.5	72.9	19.4	322.9	44.1
	-11.2		330.8	76.5	.34S	.94N	93.6	23.9	.82D	.58N	175.0	54.3	55.9	19.3	314.8	28.8
	11.2		143.2	82.4	.33S	.94T	32.8	20.9	.93D	.37T	159.9	34.6	55.9	19.3	302.2	49.0
			CONE A	35 EXA	.59		CONE C	43 EXC	.72				CONE B	66 EXB	.33	

491
* JULY 8, 1958 H = 05.02.26 50.8N 10.2E DEPTH SHALLOW M = 5.2
SPONHEUER, W. ET AL. 1960 FREIBERGER FORSCHUNG., 81, 64.
ADDITIONAL DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
SPONHEUER	90.2	33-4-3	42.2	81.4	.07S	1.00T	245.9	9.4	.40D	.92T	45.5	36.3	312.8	3.7	217.8	53.5
			42.4	81.3	.07S	1.00T	246.7	9.5	.41D	.91T	45.9	36.2	313.0	3.9	217.7	53.5
ROTATION ABOUT A,C,B AXIS																
	-1.8		42.4	81.3	.04S	1.00T	236.0	8.9	.23D	.97T	44.2	36.3	312.7	2.1	219.8	53.7
	1.8		42.4	81.3	.10S	1.00T	255.8	10.4	.54D	.84T	47.3	36.1	313.2	5.6	215.6	53.4
	-19.2		23.1	83.1	.11S	.99T	246.7	9.5	.68D	.73T	29.0	37.8	293.9	6.5	195.7	51.5
	38.4		81.3	80.8	.04D	1.00T	246.7	9.5	.25S	.97T	79.2	35.8	170.9	2.4	264.2	54.1
	-0.2		42.4	81.5	.07S	1.00T	247.2	9.3	.41D	.91T	45.9	36.4	313.0	3.9	217.7	53.3
	.8		42.3	80.5	.07S	1.00T	244.8	10.3	.38D	.93T	45.8	35.4	313.0	3.9	217.5	54.3
			CONE A	8 EXA	.98		CONE C	2 EXC	.72				CONE B	14 EXB	.94	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	89.6	33-5-3	143.0	13.3	.32S	.95T	342.0	77.4	.08D	1.00T	338.4	32.3	71.1	4.2	167.7	57.4
			144.5	15.8	.32S	.95T	343.8	75.1	.09D	1.00T	339.6	29.9	72.5	5.0	171.1	59.6
ROTATION ABOUT A,C,B AXIS																
	-8.6		144.5	15.8	.17S	.98T	334.9	74.5	.05D	1.00T	332.7	29.4	64.2	2.7	159.0	60.4
	4.6		144.5	15.8	.39S	.92T	348.6	75.5	.11D	.99T	343.4	30.2	77.0	6.2	177.4	59.0
	-5.6		127.4	18.3	.57S	.82T	343.8	75.1	.19D	.98T	335.1	29.3	71.0	10.4	178.5	58.6
	.3		145.6	15.7	.30S	.95T	343.8	75.1	.08D	1.00T	339.9	29.9	72.6	4.7	170.7	59.6
	-0.4		145.0	16.1	.31S	.95T	343.9	74.7	.09D	1.00T	339.7	29.5	72.5	5.0	171.2	60.0
	4.0		138.4	12.0	.42S	.91T	343.5	79.1	.09D	1.00T	339.1	33.9	72.5	5.0	169.8	55.6
			CONE A		5 EXA	.25	CONE C		8 EXC	.67			CONE B		9 EXB	.55

492
JULY 10, 1958 H = 06.15.54 58.3N 136.9W DEPTH NORMAL M = 8
STAUDER, W., S.J. 1960 BULL. SEIS. SOC. AM., 50, 293.
STEVENS, A.E. 1965 DOCTORAL THESIS, U. OF WESTERN ONTARIO

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STEVENS		S - SOLN.	159	57			50	65					111	46		
STAUDER		113-14	158	82			65	72					91	70		
	84.7	128-22-21	164.4	78.9	.91S	.42T	69.2	65.4	.98D	.21T	204.8	9.1	96.7	62.7	299.2	25.5
			164.4	78.9	.91S	.42T	69.2	65.4	.98D	.21T	204.8	9.1	96.7	62.7	299.2	25.5
ROTATION ABOUT A,C,B AXIS																
	0		164.4	78.9	.91S	.42T	69.2	65.4	.98D	.21T	204.8	9.1	96.7	62.7	299.2	25.5
	1.4		164.4	78.9	.92S	.40T	69.5	66.8	.98D	.21T	205.2	8.2	98.0	64.0	298.9	24.5
	-1.2		163.8	80.0	.91S	.42T	69.2	65.4	.98D	.19T	204.5	9.9	94.3	63.2	299.0	24.6
	.7		164.7	78.3	.91S	.43T	69.2	65.4	.97D	.22T	205.1	8.7	98.1	62.4	299.4	26.0
	-2.0		166.2	79.8	.90S	.43T	71.4	65.0	.98D	.20T	206.7	10.0	96.7	62.7	301.4	25.1
	.2		164.2	78.8	.91S	.42T	69.0	65.4	.98D	.21T	204.6	9.0	96.7	62.7	299.0	25.5
			CONE A		2 EXA	.14	CONE C		2 EXC	.36			CONE B		2 EXB	.26

493
* JULY 17, 1958 H = 05.37.08 40.7N 23.2E DEPTH 25 KM. M = 5.3
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	90.5	15-2-1	39.4	47.0	.80S	.60T	282.3	64.0	.65D	.76T	254.5	9.9	351.7	35.8	151.3	52.4
			72.1	25.1	.33S	.95T	273.0	66.3	.15D	.99T	266.4	20.9	359.5	8.0	109.4	67.5
ROTATION ABOUT A,C,B AXIS																
	-10.2		72.1	25.1	.15S	.99T	261.9	65.2	.07D	1.00T	258.8	20.1	350.2	3.8	90.4	69.5
	4.6		72.1	25.1	.40S	.92T	278.0	67.1	.19D	.98T	269.9	21.4	3.8	9.8	116.9	66.2
	-28.8		30.6	43.4	.81S	.58T	273.0	66.3	.61D	.79T	246.8	13.3	345.9	33.9	138.6	52.9
	64.0		167.5	58.6	.88D	.47T	273.0	66.3	.82S	.57T	308.6	4.8	213.1	48.8	42.8	40.8
	-7.2		76.6	32.0	.26S	.97T	274.3	59.2	.16D	.99T	267.5	13.7	359.5	8.0	118.9	74.0
	2.0		70.5	23.3	.35S	.94T	272.7	68.3	.15D	.99T	266.1	22.8	359.5	8.0	107.6	65.7
			CONE A		29 EXA	.90	CONE C		12 EXC	.38			CONE B		37 EXB	.84

494
JULY 26, 1958 H = 17.37.09 13.5S 69W DEPTH 660 KM. M = 7.1
HODGSON, J.H. AND METZGER, M.E. 1962 PUB. DOM. OBS., 26, 305.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		122-18	0	27			-	-					-	-		
	84.6	123-21-17	6.3	26.5	.35S	.94N	163.9	65.3	.17D	.99N	324.9	68.2	78.0	8.9	171.2	19.7
			359.1	27.0	.21S	.98N	165.6	63.6	.11D	.99N	332.3	70.7	78.3	5.5	170.1	18.4
ROTATION ABOUT A,C,B AXIS																
	-56.6		359.1	27.0	.70D	.71N	226.9	71.1	.34S	.94N	74.6	59.2	310.3	18.6	211.8	23.6
	24.6		359.1	27.0	.60S	.80N	139.2	68.6	.29D	.96N	292.5	62.6	55.5	15.8	152.0	21.8
	-28.8		302.3	34.3	.61D	.79N	165.6	63.6	.39S	.92N	24.1	64.0	245.1	20.2	149.2	15.7
	2.8		5.0	27.8	.30S	.95N	165.6	63.6	.15D	.99N	326.8	70.1	79.6	8.0	172.2	18.1
	-1.8		360.0	25.3	.22S	.97N	165.8	65.4	.10D	.99N	333.8	69.0	78.3	5.5	170.3	20.2
	.9		358.7	27.9	.20S	.98N	165.5	62.7	.11D	.99N	331.5	71.6	78.3	5.5	170.0	17.5
			CONE A	9 EXA	.91		CONE C	15 EXC	.97				CONE B	51 EXB	.61	

495
AUGUST 15, 1958 H = 22.29.17 1.5N 125E DEPTH 220 KM. M = 6.8
HODGSON, J.H. AND METZGER, M.E. 1962 PUB. DOM. OBS., 26, 305.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		100-21	329	84			-	-					-	-		
	84.9	97-20-15	329.5	84.3	.15S	.99N	92.3	10.4	.84D	.55N	159.1	50.0	58.6	8.7	321.6	38.7
			329.5	84.3	.15S	.99N	92.3	10.4	.84D	.55N	159.1	50.0	58.6	8.7	321.6	38.7
ROTATION ABOUT A,C,B AXIS																
	-56.6		329.5	84.3	.74D	.67N	234.3	48.1	.99S	.13N	110.8	32.9	245.7	47.5	4.4	23.7
	43.8		329.5	84.3	.79S	.61N	63.8	52.8	.99D	.12N	189.8	29.9	52.1	52.2	292.5	20.9
	-2.0		327.5	84.0	.15S	.99N	92.3	10.4	.82D	.58N	157.0	50.3	56.6	8.5	319.8	38.4
	.2		329.7	84.3	.15S	.99N	92.3	10.4	.84D	.55N	159.3	50.0	58.8	8.7	321.8	38.7
	-0.8		329.6	83.5	.15S	.99N	95.9	10.9	.80D	.60N	159.4	50.8	58.6	8.7	321.8	37.9
	.6		329.4	84.9	.15S	.99N	89.5	10.1	.86D	.51N	158.9	49.4	58.6	8.7	321.4	39.3
			CONE A	2 EXA	.36		CONE C	12 EXC	.99				CONE B	15 EXB	.98	

496
OCTOBER 12, 1958 H = 15.18.42 27.5N 125.5E DEPTH 220 KM. M = 6.7
HODGSON, J.H. AND METZGER, M.E. 1962 PUB. DOM. OBS., 26, 305.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		93-14	263	55			-	-					-	-		
	90.3	94-15-12	246.0	55.3	.84S	.54N	356.3	63.4	.77D	.64N	124.6	46.0	294.8	43.6	29.5	4.9
			231.3	47.9	.03D	1.00N	53.8	42.2	.03S	1.00N	29.7	86.9	142.5	1.2	232.6	2.9
ROTATION ABOUT A,C,B AXIS																
	-37.4		231.3	47.9	.63D	.78N	101.8	54.9	.57S	.82N	340.6	61.8	169.9	27.9	77.8	3.9
	56.6		231.3	47.9	.82S	.57N	346.6	64.8	.67D	.74N	117.8	50.8	277.6	37.4	15.3	10.0
	-19.2		206.4	51.2	.31D	.95N	53.8	42.2	.36S	.93N	326.9	75.2	127.9	14.0	219.1	4.6
	32.0		271.9	54.5	.41S	.91N	53.8	42.2	.50D	.86N	147.3	69.2	347.1	19.7	254.8	6.5
	-19.2		230.2	28.7	.05D	1.00N	53.1	61.4	.02S	1.00N	236.6	73.6	142.5	1.2	52.1	16.4
	16.0		231.8	63.8	.02D	1.00N	55.0	26.2	.05S	1.00N	49.0	71.2	142.5	1.2	232.9	18.8
			CONE A	42 EXA	.31		CONE C	58 EXC	.63				CONE B	69 EXB	.46	

497
NOVEMBER 6, 1958 H = 22.58.06 44.5N 148.5E DEPTH 100 KM. M = 8.1
HODGSON, J.H. AND METZGER, M.E. 1962 PUB. DOM. OBS., 26, 305.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		215-22	66	59			315	59					10	43		
	90.6	216-22-18	66.5	59.7	.78S	.63T	314.1	57.0	.80D	.60T	99.8	1.6	8.3	42.0	191.6	48.0
			111.1	53.2	.30S	.96T	318.4	40.1	.37D	.93T	123.3	6.7	31.6	13.7	238.8	74.7
ROTATION ABOUT A,C,B AXIS																
	-8.6		111.1	53.2	.15S	.99T	305.3	37.6	.20D	.98T	117.3	7.9	26.3	6.9	255.4	79.5
	5.4		111.1	53.2	.38S	.92T	325.9	42.3	.46D	.89T	126.9	5.7	35.1	17.9	234.0	71.2
	-8.0		101.8	56.0	.38S	.92T	318.4	40.1	.49D	.87T	117.7	8.4	24.9	18.6	230.9	69.5
	22.4		139.5	49.9	.01D	1.00T	318.4	40.1	.01S	1.00T	139.0	4.9	229.0	.5	324.8	85.1
	-0.1		111.1	53.3	.30S	.96T	318.5	40.0	.37D	.93T	123.3	6.8	31.6	13.7	239.1	74.6
	16.0		103.5	38.2	.38S	.92T	311.3	55.2	.29D	.96T	299.4	8.8	31.6	13.7	177.8	73.6
			CONE A	22 EXA	.47		CONE C	15 EXC	.13				CONE B	21 EXB	.54	

WITH ADDITIONAL DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE
OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	89.7	229-27-22	68.5	57.7	.75S	.66T	313.3	56.0	.77D	.64T	100.5	1.0	9.7	39.4	191.7	50.6
			111.0	52.5	.22S	.97T	311.6	39.3	.28D	.96T	120.1	6.7	28.9	10.2	242.9	77.8
ROTATION ABOUT A,C,B AXIS																
	-3.8		111.0	52.5	.16S	.99T	305.7	38.4	.20D	.98T	117.5	7.1	26.6	7.2	251.7	79.9
	4.6		111.0	52.5	.30S	.95T	318.4	40.8	.36D	.93T	123.3	6.0	31.8	13.8	236.3	74.9
	-12.8		96.0	56.4	.37S	.93T	311.6	39.3	.48D	.87T	111.3	9.0	18.4	17.9	226.8	69.8
	22.4		139.6	51.0	.09D	1.00T	311.6	39.3	.11S	.99T	136.0	5.9	226.4	3.9	349.8	82.9
	-0.4		111.1	52.9	.22S	.98T	311.8	38.9	.28D	.96T	120.2	7.1	28.9	10.2	244.5	77.5
	9.6		107.9	43.2	.26S	.97T	308.0	48.6	.24D	.97T	298.4	2.7	28.9	10.2	193.5	79.4
			CONE A	19 EXA	.72		CONE C	9 EXC	.16				CONE B	17 EXB	.76	

498
NOVEMBER 12, 1958 H = 20.23.26 44.5N 148.5E DEPTH 100 KM. M = 6.8
HODGSON, J.H. AND METZGER, M.E. 1962 PUB. DOM. OBS., 26, 305.
STEVENS, A.E. 1965 DOCTORAL THESIS, U. OF WESTERN ONTARIO

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STEVENS		S - SOLN.	109	49			313	43			121	3	30	12	224	78
HODGSON		137-20	108	58			331	40					34	21		
	88.3	136-20-16	98.3	56.4	.84S	.55T	348.3	62.8	.78D	.62T	314.6	3.9	48.4	44.1	220.6	45.6
			120.1	58.0	.44S	.90T	342.8	40.4	.58D	.82T	138.5	9.4	44.7	21.9	250.4	66.0
ROTATION ABOUT A,C,B AXIS																
	-7.0		120.1	58.0	.33S	.94T	333.2	36.8	.46D	.89T	133.7	11.0	40.5	16.1	256.8	70.3
	7.0		120.1	58.0	.55S	.84T	350.9	44.8	.66D	.75T	143.0	7.3	49.2	27.6	246.6	61.3
	-16.0		104.3	66.0	.55S	.83T	342.8	40.4	.78D	.63T	128.2	14.5	29.5	30.3	240.5	55.7
	16.0		138.3	52.2	.27S	.96T	342.8	40.4	.33D	.94T	149.3	6.0	58.0	12.3	264.9	76.3
	-8.0		123.9	65.2	.41S	.91T	351.0	34.2	.66D	.75T	141.7	16.8	44.7	21.9	265.9	61.9
	3.6		118.1	54.7	.46S	.89T	339.8	43.4	.54D	.84T	137.1	6.0	44.7	21.9	241.7	67.2
			CONE A	19 EXA	.64		CONE C	13 EXC	.17				CONE B	21 EXB	.56	

499

* NOVEMBER 15, 1958 H = 05.42.42 37.7N 22.0E DEPTH 25 KM.

DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	88.8	20-2-2	335.3	47.5	.95S	.30T	233.3	77.2	.72D	.69T	200.7	18.7	310.3	44.7	94.6	39.4
			321.3	64.6	.95S	.30T	223.5	74.1	.89D	.45T	184.0	6.3	284.7	59.4	90.3	29.8
ROTATION ABOUT A,C,B AXIS																
	-31.0		321.3	64.6	.66S	.75T	205.3	47.3	.81D	.58T	349.6	10.2	252.0	36.6	92.7	51.6
	13.4		321.3	64.6	1.00S	.07T	229.4	86.1	.90D	.43T	188.2	14.8	311.4	64.3	92.5	20.5
	-0.1		321.3	64.7	.95S	.30T	223.5	74.1	.90D	.44T	183.9	6.2	284.6	59.5	90.4	29.7
	19.2		329.2	46.5	.93S	.38T	223.5	74.1	.70D	.72T	192.4	17.0	298.5	42.2	85.8	42.9
	-0.9		322.2	64.9	.95S	.31T	224.3	73.7	.90D	.44T	184.8	5.8	284.7	59.4	91.4	29.9
	4.8		316.2	63.2	.96S	.27T	219.1	76.3	.89D	.46T	179.7	8.7	284.7	59.4	84.8	29.1
			CONE A	10 EXA	.70		CONE C	16 EXC	.87				CONE B	29 EXB	.57	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	84.0	20-2-2	318.7	84.4	1.00S	.01T	228.7	89.7	1.00D	.10T	183.8	3.7	315.6	84.4	93.5	4.2
			316.6	79.9	1.00S	.02T	226.4	88.9	.98D	.17T	181.8	6.3	310.1	79.9	90.9	7.9
ROTATION ABOUT A,C,B AXIS																
	-1.0		316.6	79.9	1.00S	.04T	226.2	87.9	.98D	.17T	181.8	5.6	304.6	79.7	91.0	8.6
	7.0		316.6	79.9	.99S	.10N	47.6	84.2	.98D	.18N	182.3	11.2	347.0	78.4	91.8	3.0
	-25.6		136.1	74.5	1.00S	.02N	226.4	88.9	.96D	.27N	2.4	11.7	140.4	74.4	270.2	10.1
	14.4		316.9	65.5	1.00S	.02T	226.4	88.9	.91D	.41T	184.2	16.2	313.9	65.5	88.9	17.8
	-8.0		324.7	80.2	1.00S	.04T	234.3	87.5	.99D	.17T	189.9	5.1	310.1	79.9	99.1	8.7
	3.2		313.3	79.9	1.00S	.01T	223.2	89.4	.98D	.18T	179.0	6.7	310.1	79.9	88.1	7.5
			CONE A	21 EXA	.72		CONE C	9 EXC	.29				CONE B	18 EXB	.80	

500

JANUARY 8, 1959 H = 01.33.48 15.5N 61W DEPTH 100 KM. M = 6.8

HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		48-13	311	84			41	85					347	82		
	77.1	48-13-9	33.4	79.2	1.00S	.05T	302.9	87.3	.98D	.19T	258.5	5.7	18.9	78.9	167.5	9.5
			33.1	79.4	1.00S	.05T	302.6	87.3	.98D	.18T	258.5	5.5	18.7	79.1	167.6	9.4
ROTATION ABOUT A,C,B AXIS																
	-3.0		33.1	79.4	1.00S	.10T	302.1	84.4	.98D	.18T	258.0	3.5	4.7	78.0	167.3	11.5
	1.4		33.1	79.4	1.00S	.02T	302.9	88.7	.98D	.18T	258.6	6.6	26.1	79.3	167.6	8.4
	-2.4		33.0	81.8	1.00S	.05T	302.6	87.3	.99D	.14T	258.3	3.9	14.8	81.4	167.8	7.7
	2.4		33.3	77.0	1.00S	.05T	302.6	87.3	.97D	.23T	258.8	7.2	21.3	76.7	167.4	11.1
	-0.7		33.8	79.4	1.00S	.05T	303.3	87.2	.98D	.18T	259.0	5.4	18.7	79.1	168.1	9.4
	4.8		28.3	79.2	1.00S	.03T	297.9	88.2	.98D	.19T	253.7	6.3	18.7	79.1	162.7	8.9
			CONE A	5 EXA	.13		CONE C	5 EXC	.20				CONE B	5 EXB	.08	

501
JANUARY 22, 1959 H = 05.10.25 34N 142E DEPTH 33 KM. M = 6.8
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		133-23	28	10			123	89					33	10		
	85.8	133-22-18	133.9	87.0	.17S	.99T	26.9	10.2	.96D	.30T	143.0	41.2	44.4	9.7	303.8	47.1
			134.2	87.2	.17S	.98T	28.7	10.4	.96D	.27T	143.6	41.4	44.7	10.0	303.8	46.9
ROTATION ABOUT A,C,B AXIS																
	-1.8		134.2	87.2	.14S	.99T	25.5	8.7	.95D	.32T	142.0	41.6	44.6	8.2	305.7	47.2
	1.0		134.2	87.2	.19S	.98T	30.1	11.4	.97D	.25T	144.6	41.2	44.8	11.0	302.9	46.7
	-1.8		132.4	87.5	.18S	.98T	28.7	10.4	.97D	.24T	142.0	41.7	42.9	10.1	302.1	46.6
	1.6		135.8	86.9	.17S	.98T	28.7	10.4	.95D	.30T	145.1	41.1	46.3	9.9	305.4	47.2
	-0.5		134.3	87.7	.17S	.98T	31.4	10.3	.97D	.23T	143.8	41.9	44.7	10.0	304.0	46.4
	.2		134.2	87.0	.17S	.98T	27.6	10.5	.96D	.29T	143.6	41.2	44.7	10.0	303.8	47.1
			CONE A	2 EXA	.79		CONE C	1 EXC	.75				CONE B	3 EXB	.18	

502
* JANUARY 29, 1959 H = 23.24.30 21N 8E DEPTH 25 KM.
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	79.8	24-5-5	248.3	60.4	.78S	.63T	136.5	56.8	.81D	.59T	281.7	2.2	189.7	42.5	14.1	47.4
			248.6	60.1	.77S	.63T	136.5	56.7	.80D	.60T	281.9	2.0	190.0	42.2	14.1	47.7
ROTATION ABOUT A,C,B AXIS																
	-3.8		248.6	60.1	.73S	.68T	133.7	53.7	.79D	.62T	279.8	3.8	186.7	39.3	14.4	50.4
	4.6		248.6	60.1	.82S	.57T	139.6	60.5	.82D	.57T	104.1	.2	194.4	45.5	13.9	44.5
	-1.6		247.5	61.4	.78S	.62T	136.5	56.7	.82D	.57T	281.1	2.8	188.4	43.3	14.1	46.6
	1.2		249.5	59.2	.77S	.64T	136.5	56.7	.79D	.61T	282.5	1.5	191.2	41.4	14.2	48.6
	-0.3		248.9	60.3	.77S	.63T	136.8	56.6	.80D	.59T	282.0	2.2	190.0	42.2	14.5	47.7
	5.6		243.4	56.7	.80S	.60T	131.3	60.2	.77D	.63T	98.1	2.1	190.0	42.2	5.8	47.7
			CONE A	4 EXA	.53		CONE C	7 EXC	.30				CONE B	5 EXB	.67	

503
FEBRUARY 7, 1959 H = 09.36.51 4S 81.5W DEPTH 33 KM. M = 7.2
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		110-20	204	83			112	73					136	71		
	83.6	110-20-17	207.7	82.6	.96S	.27T	115.7	74.4	.99D	.13T	250.9	5.7	142.3	72.7	342.6	16.3
			226.2	55.1	.30S	.95T	75.3	38.6	.40D	.92T	238.7	8.5	146.5	14.4	358.4	73.2
ROTATION ABOUT A,C,B AXIS																
	-50.2		226.2	55.1	.54D	.84T	358.1	46.2	.61S	.79T	203.8	4.9	296.2	26.2	104.1	63.3
	7.0		226.2	55.1	.42S	.91T	85.0	41.8	.51D	.86T	243.5	7.0	150.9	20.0	351.9	68.7
	-16.0		208.8	61.2	.45S	.89T	75.3	38.6	.64D	.77T	227.9	12.2	132.5	23.4	343.4	63.2
	51.2		289.2	56.5	.35D	.94T	75.3	38.6	.46S	.89T	274.8	9.3	7.6	16.8	156.8	70.6
	-28.8		234.7	82.8	.25S	.97T	119.0	16.2	.89D	.45T	247.3	36.2	146.5	14.4	38.6	50.2
	4.0		224.6	51.3	.32S	.95T	72.9	42.3	.37D	.93T	237.7	4.6	146.5	14.4	345.1	74.8
			CONE A	47 EXA	.51		CONE C	43 EXC	.43				CONE B	62 EXB	.15	

504
MARCH 1, 1959 H = 16.49.13 0.5S 134.5E DEPTH 100 KM. M = 7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		53-14	119	66			27	84					104	65		
	72.0	53-15-14	202.5	89.0	.94S	.35T	112.1	69.5	1.00D	.02T	245.5	13.6	115.2	69.5	339.2	15.0
			196.4	88.9	.91S	.41T	106.0	65.9	1.00D	.02T	238.5	16.0	108.8	65.9	333.7	17.6
ROTATION ABOUT A,C,B AXIS																
	-3.8		196.4	88.9	.88S	.47T	105.9	62.1	1.00D	.02T	237.5	18.5	108.4	62.1	334.6	20.1
	11.8		196.4	88.9	.98S	.21T	106.2	77.7	1.00D	.02T	240.5	7.8	111.3	77.7	331.8	9.4
	-4.8		14.5	86.7	.91S	.41N	106.0	65.9	1.00D	.06N	237.5	19.2	97.1	65.7	332.6	14.3
	2.0		197.3	87.1	.91S	.41T	106.0	65.9	1.00D	.06T	239.1	14.7	113.7	65.7	334.2	18.9
	-4.0		20.1	89.4	.91S	.41N	110.3	65.9	1.00D	.01N	242.7	17.2	108.8	65.9	337.9	16.3
	1.4		195.2	88.4	.91S	.41T	104.4	66.0	1.00D	.03T	237.3	15.6	108.8	65.9	332.5	17.9
			CONE A		6 EXA	.21	CONE C		9 EXC	.65			CONE B		10 EXB	.56

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	74.0	53-14-13	350.2	65.9	.99S	.11T	257.7	84.3	.91D	.41T	216.3	12.6	335.2	65.2	121.4	21.0
			357.3	60.1	.99S	.16T	262.6	81.8	.86D	.50T	223.4	14.6	338.8	58.8	125.8	26.9
ROTATION ABOUT A,C,B AXIS																
	-1.4		357.3	60.1	.98S	.19T	261.9	80.6	.86D	.50T	222.9	13.7	336.2	58.4	125.5	27.9
	3.8		357.3	60.1	1.00S	.10T	264.5	85.1	.87D	.50T	224.6	17.0	346.0	59.6	126.6	24.4
	-11.2		355.4	71.2	.99S	.15T	262.6	81.8	.95D	.33T	220.2	7.3	330.1	69.3	127.7	19.3
	.6		357.5	59.5	.99S	.17T	262.6	81.8	.86D	.51T	223.6	14.9	339.1	58.2	125.7	27.4
	-4.0		1.9	60.9	.98S	.20T	266.1	79.8	.87D	.49T	227.1	12.6	338.8	58.8	130.2	28.0
	5.6		350.9	59.4	.99S	.11T	257.7	84.6	.86D	.51T	218.3	17.1	338.8	58.8	120.0	25.3
			CONE A		11 EXA	.19	CONE C		7 EXC	.46			CONE B		8 EXB	.56

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	73.9	53-14-13	17.2	29.1	.69S	.73T	244.4	69.3	.36D	.93T	228.6	21.6	326.7	19.5	94.9	60.2
			59.1	36.5	.18D	.98T	226.3	54.2	.13S	.99T	231.8	8.9	140.8	6.1	16.8	79.2
ROTATION ABOUT A,C,B AXIS																
	-13.4		59.1	36.5	.40D	.92T	210.4	57.0	.29S	.96T	222.2	10.6	129.6	13.9	348.3	72.4
	37.4		59.1	36.5	.46S	.89T	271.6	58.0	.32D	.95T	258.2	11.2	351.4	15.7	134.2	70.6
	-44.8		353.9	49.8	.64S	.77T	226.3	54.2	.61D	.80T	200.9	2.5	292.3	29.4	106.6	60.5
	28.8		97.8	49.3	.63D	.77T	226.3	54.2	.59S	.81T	251.1	2.7	159.6	28.7	346.0	61.1
	-0.7		58.9	37.2	.18D	.98T	226.2	53.5	.13S	.99T	231.7	8.2	140.8	6.1	14.6	79.8
	9.6		62.8	27.1	.23D	.97T	227.7	63.7	.12S	.99T	232.8	18.4	140.8	6.1	33.2	70.5
			CONE A		28 EXA	.86	CONE C		23 EXC	.80			CONE B		61 EXB	.31

505
APRIL 24, 1959 H = 17.57.58 31S 178W DEPTH 33 KM. M = 6.7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		97-20	-	-			-	-					-	-		
	82.4	97-19-15	284.1	27.0	.71S	.70T	153.0	71.5	.34D	.94T	137.7	23.9	236.4	18.9	.7	58.7
			339.2	36.0	.11D	.99T	151.3	54.3	.08S	1.00T	154.7	9.2	64.1	3.8	311.8	80.1
ROTATION ABOUT A,C,B AXIS																
	-50.2		339.2	36.0	.83D	.55T	97.3	71.1	.52S	.86T	120.3	20.1	18.4	29.4	239.5	53.2
	37.4		339.2	36.0	.52S	.86T	195.8	59.8	.35D	.94T	181.2	12.5	275.2	17.6	57.6	68.2
	-38.4		282.5	47.6	.61S	.79T	151.3	54.3	.56D	.83T	128.1	3.7	220.0	26.8	30.9	62.9
	57.6		44.3	67.8	.78D	.63T	151.3	54.3	.88S	.47T	10.6	8.4	109.3	45.9	272.7	42.9
	-22.4		336.4	58.3	.08D	1.00T	148.0	32.0	.12S	.99T	333.2	13.2	64.1	3.8	169.9	76.3
	22.4		349.4	13.9	.27D	.96T	153.2	76.6	.07S	1.00T	156.4	31.5	64.1	3.8	327.9	58.2
			CONE A	66 EXA	.53		CONE C	63 EXC	.49				CONE B	92 EXB	.09	

THE ABOVE SOLN. REPRESENTS UNDEFINED CENTRAL DILATATIONAL CIRCLES.

506
* APRIL 25, 1959 H = 00.26.14 37N 28.5E DEPTH 25 KM.
DATA FROM S. B. UCER, KANDILLI OBS., SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
UCER	87.4	39-7-5	166.1	75.9	.30S	.95N	293.7	22.4	.77D	.64N	8.3	55.7	251.7	17.0	152.0	28.8
			157.5	75.9	.22S	.97N	294.5	19.0	.66D	.75N	354.5	57.2	244.4	12.5	147.1	29.8
ROTATION ABOUT A,C,B AXIS																
	-0.8		157.5	75.9	.21S	.98N	296.3	18.5	.64D	.77N	353.5	57.4	244.6	11.7	147.8	29.9
	10.2		157.5	75.9	.39S	.92N	277.4	26.8	.84D	.54N	5.2	53.5	241.6	22.3	139.4	27.3
	-32.0		124.5	71.2	.06S	1.00N	294.5	19.0	.16D	.99N	309.7	63.7	213.4	3.1	121.9	26.1
	32.0		188.8	84.7	.31S	.95N	294.5	19.0	.96D	.28N	27.8	47.2	277.0	18.2	172.6	37.1
	-4.0		158.5	72.0	.23S	.97N	301.5	22.2	.57D	.82N	357.8	60.9	244.4	12.5	148.2	25.9
	1.4		157.2	77.2	.22S	.98N	291.5	18.0	.70D	.72N	353.6	56.0	244.4	12.5	146.7	31.0
			CONE A	19 EXA	.92		CONE C	8 EXC	.51				CONE B	27 EXB	.83	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	85.7	39-7-5	188.3	61.2	.01S	1.00N	7.1	28.8	.02D	1.00N	9.7	73.8	278.0	.5	187.9	16.2
			173.2	61.1	.21D	.98N	17.1	31.1	.36S	.93N	325.6	71.2	89.1	10.6	182.0	15.3
ROTATION ABOUT A,C,B AXIS																
	-3.0		173.2	61.1	.26D	.97N	22.4	32.3	.43S	.90N	320.6	69.9	90.6	13.2	184.2	14.8
	7.0		173.2	61.1	.09D	1.00N	3.7	29.3	.16S	.99N	340.3	73.4	85.6	4.5	176.9	16.0
	-38.4		134.1	74.7	.46D	.89N	17.1	31.1	.86S	.51N	281.9	52.4	52.0	26.4	155.2	24.8
	19.2		195.2	58.9	.02D	1.00N	17.1	31.1	.03S	1.00N	12.5	76.1	105.7	.8	195.9	13.9
	-4.8		172.0	56.4	.22D	.98N	14.2	35.7	.32S	.95N	314.9	75.0	89.1	10.6	181.1	10.5
	.5		173.3	61.6	.21D	.98N	17.5	30.7	.36S	.93N	326.5	70.8	89.1	10.6	182.1	15.8
			CONE A	17 EXA	.91		CONE C	7 EXC	.47				CONE B	24 EXB	.83	

DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	90.1	26-3-3	167.7	75.0	.29S	.96N	298.5	22.3	.73D	.68N	9.5	56.9	253.3	16.1	154.4	28.1
			154.6	76.7	.33S	.94N	277.9	23.3	.81D	.58N	358.3	54.3	240.0	18.8	139.1	29.1
ROTATION ABOUT A,C,B AXIS																
	-0.2		154.6	76.7	.33S	.94N	278.2	23.1	.81D	.59N	358.1	54.4	240.1	18.6	139.3	29.2
	10.2		154.6	76.7	.49S	.87N	266.7	32.1	.90D	.43N	7.1	49.6	237.2	28.6	131.9	25.9
	-28.8		125.5	69.1	.18S	.98N	277.9	23.3	.43D	.90N	323.0	64.4	211.7	9.9	117.4	23.4
	32.0		184.6	88.6	.39S	.92N	277.9	23.3	1.00D	.06N	26.6	41.8	274.0	23.2	163.5	39.2
	-8.0		157.4	69.2	.34S	.94N	291.6	28.6	.67D	.74N	7.2	60.6	240.0	18.8	142.2	21.7
	0		154.6	76.7	.33S	.94N	277.9	23.3	.81D	.58N	358.3	54.3	240.0	18.8	139.1	29.1
			CONE A	22 EXA	.87		CONE C	9 EXC	.23				CONE B	25 EXB	.83	

COMBINATION OF UCER AND E.S.A. IN CASES OF DISAGREEMENT OF DATA STATION IS DISCARDED.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
87.8	39-6-5	166.1	76.2	.33S	.94N	290.4	23.6	.80D	.60N	9.9	54.8	251.3	18.7	150.6	28.6
		155.3	76.1	.26S	.97N	287.1	20.4	.72D	.69N	354.7	56.4	241.6	14.6	143.1	29.5
ROTATION ABOUT A,C,B AXIS															
-3.0		155.3	76.1	.21S	.98N	293.7	18.4	.65D	.76N	351.2	57.3	242.4	11.7	145.5	30.1
13.4		155.3	76.1	.48S	.88N	269.2	31.5	.89D	.46N	7.5	50.6	237.9	27.6	133.3	25.7
-32.0		122.4	70.2	.09S	1.00N	287.1	20.4	.25D	.97N	311.1	64.4	210.6	5.0	118.3	25.0
32.0		186.2	86.0	.34S	.94N	287.1	20.4	.98D	.20N	26.4	45.4	274.7	20.0	168.3	37.8
-3.6		156.3	72.6	.26S	.96N	293.7	23.0	.65D	.76N	357.9	59.6	241.6	14.6	144.3	26.1
4.0		154.3	79.9	.26S	.97N	277.6	17.9	.82D	.57N	351.7	52.8	241.6	14.6	141.8	33.3
		CONE A	22 EXA	.88		CONE C	11 EXC	.54				CONE B	32 EXB	.74	

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* APRIL 25, 1959 H = 01.05.42 37N 28.5E DEPTH 25 KM. M = 5.6

DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	100.0	13-0	147.1	64.5	.17S	.99N	305.8	27.1	.33D	.94N	346.2	69.0	233.0	8.6	140.0	19.0
			147.1	64.5	.17S	.99N	305.8	27.1	.33D	.94N	346.2	69.0	233.0	8.6	140.0	19.0
ROTATION ABOUT A,C,B AXIS																
	-50.2		147.1	64.5	.65D	.76N	30.5	46.8	.81S	.59N	278.6	52.1	77.4	36.0	175.0	10.4
	31.0		147.1	64.5	.65S	.76N	263.9	46.7	.81D	.59N	15.6	52.2	216.9	35.9	119.3	10.4
	-57.6		84.1	69.1	.30D	.95N	305.8	27.1	.62S	.78N	237.0	61.8	.6	16.5	97.5	22.2
	44.8		192.3	78.5	.42S	.91N	305.8	27.1	.90D	.44N	40.0	50.4	277.1	24.2	172.5	29.2
	-7.2		148.5	57.4	.18S	.98N	310.0	34.0	.27D	.96N	358.2	75.3	233.0	8.6	141.2	11.8
	9.6		145.5	74.0	.16S	.99N	295.8	18.3	.48D	.88N	338.2	60.0	233.0	8.6	138.3	28.5
			CONE A	41 EXA	.84		CONE C	37 EXC	.79				CONE B	91 EXB	.21	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	100.0	13-0	350.5	88.5	.76S	.65T	259.3	49.5	1.00D	.03T	27.3	26.1	262.3	49.5	132.8	28.5
			350.5	88.5	.76S	.65T	259.3	49.5	1.00D	.03T	27.3	26.1	262.3	49.5	132.8	28.5
ROTATION ABOUT A,C,B AXIS																
	-13.4		350.5	88.5	.59S	.81T	258.5	36.2	1.00D	.04T	20.5	33.5	261.6	36.1	139.4	36.1
	2.6		350.5	88.5	.79S	.61T	259.4	52.1	1.00D	.03T	28.4	24.5	262.5	52.1	131.8	26.9
	-38.4		143.7	63.1	.69S	.73N	259.3	49.5	.80D	.59N	14.3	51.2	210.6	37.7	114.4	8.0
	19.2		3.4	74.0	.74S	.67T	259.3	49.5	.93D	.36T	36.1	15.3	290.1	45.2	139.8	40.8
	-0.1		350.6	88.6	.76S	.65T	259.4	49.5	1.00D	.03T	27.5	26.2	262.3	49.5	133.0	28.4
	9.6		343.2	82.3	.77S	.64T	246.8	50.5	.98D	.17T	18.7	20.8	262.3	49.5	122.9	33.0
			CONE A	24 EXA	.83		CONE C	12 EXC	.39				CONE B	30 EXB	.72	

508
APRIL 26, 1959 H = 20.40.38 25N 122.5E DEPTH 150 M = 7.5
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.
RITSEMA, A.R. 1962 BULL. SEIS. AM., 52, 723
STEVENS, A.E. 1965 DOCTORAL THESIS, U. OF WESTERN ONTARIO

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STEVENS		S - SOLN.	61	15			229	75			232	30	140	3	45	60
RITSEMA		144	345	18			210	77					297	14		
	94.7	142-11-8	330.3	19.9	.84S	.54T	209.1	79.4	.29D	.96T	195.0	32.3	295.9	16.6	48.9	52.7
			339.6	17.4	.66S	.75T	202.5	77.0	.20D	.98T	192.8	31.0	289.8	11.4	37.5	56.5
ROTATION ABOUT A,C,B AXIS																
	-2.6		339.6	17.4	.63S	.78T	199.9	76.5	.19D	.98T	190.7	30.6	287.2	10.8	34.4	57.1
	7.0		339.6	17.4	.75S	.66T	209.5	78.6	.23D	.97T	198.4	32.3	296.8	13.0	45.7	54.5
	-5.6		328.1	21.5	.79S	.61T	202.5	77.0	.30D	.95T	188.4	29.9	288.5	16.9	44.0	54.7
	.5		340.9	17.1	.65S	.76T	202.5	77.0	.20D	.98T	193.2	31.1	289.9	11.0	37.0	56.6
	0		339.6	17.4	.66S	.75T	202.5	77.0	.20D	.98T	192.8	31.0	289.8	11.4	37.5	56.5
	.3		338.9	17.2	.67S	.74T	202.4	77.3	.20D	.98T	192.7	31.3	289.8	11.4	37.3	56.2
			CONE A	1 EXA	.95		CONE C	2 EXC	.97				CONE B	8 EXB	.36	

HODGSON AND WICKENS DATA HAVE NOT BEEN RERUN, BUT COMBINED WITH THOSE OF RITSEMA. IN CASES OF DISAGREEMENT RITSEMA HAS BEEN TAKEN AS CORRECT.

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	88.6	201-27-21	328.7	22.0	.84S	.55T	207.6	78.2	.32D	.95T	192.3	30.7	293.6	18.3	49.8	53.1
			335.7	18.9	.75S	.66T	206.0	77.7	.25D	.97T	194.0	31.2	292.8	14.1	43.9	55.1
ROTATION ABOUT A,C,B AXIS																
	-4.6		335.7	18.9	.70S	.72T	201.4	76.6	.23D	.97T	190.4	30.3	288.2	13.0	38.6	56.4
	4.6		335.7	18.9	.80S	.60T	210.5	78.9	.26D	.96T	197.8	32.2	297.5	15.0	48.9	53.7
	-4.0		328.6	22.0	.82S	.57T	206.0	77.7	.32D	.95T	190.9	30.3	291.9	18.0	48.2	53.7
	1.2		338.2	18.0	.72S	.69T	206.0	77.7	.23D	.97T	195.0	31.5	293.1	12.9	42.5	55.4
	0		335.7	18.9	.75S	.66T	206.0	77.7	.25D	.97T	194.0	31.2	292.8	14.1	43.9	55.1
	.9		333.5	18.3	.77S	.63T	205.7	78.5	.25D	.97T	193.8	32.0	292.8	14.1	43.3	54.3
			CONE A	2 EXA	.83		CONE C	3 EXC	.90				CONE B	7 EXB	.43	

509
APRIL 28, 1959 H = 11.09.30 15N 93W DEPTH 33 KM. M = 6.5
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		77-17	-	-			-	-					-	-		
	80.9	77-17-13	200.6	66.3	.70S	.71T	88.4	49.3	.85D	.53T	230.9	10.2	132.2	40.0	332.5	48.2
			209.3	60.3	.22S	.98T	53.3	31.9	.35D	.94T	218.3	14.5	125.5	10.8	.0	71.8
ROTATION ABOUT A,C,B AXIS																
	-18.2		209.3	60.3	.10D	.99T	17.7	30.2	.17S	.98T	205.0	15.1	296.4	5.0	44.2	74.0
	31.0		209.3	60.3	.69S	.73T	91.7	50.9	.77D	.64T	238.5	5.5	144.4	36.7	335.8	52.8
	-16.0		192.0	64.9	.35S	.94T	53.3	31.9	.60D	.80T	206.9	17.5	110.9	18.4	337.5	64.2
	12.8		224.0	58.4	.09S	1.00T	53.3	31.9	.14D	.99T	227.5	13.3	136.5	4.2	29.3	76.0
	-9.6		211.5	69.7	.20S	.98T	61.9	23.2	.48D	.88T	220.3	23.9	125.5	10.8	13.0	63.5
	22.4		201.7	38.7	.30S	.95T	43.6	53.4	.23D	.97T	34.1	7.5	125.5	10.8	270.0	76.8
			CONE A		30 EXA	.10		CONE C		40 EXC .35			CONE B		38 EXB	.41

THE ABOVE SOLN. REPRESENTS UNDEFINED CENTRAL DILATATIONAL CIRCLES.

510
MAY 4, 1959 H = 07.15.42 52.5N 159.5E DEPTH 60 KM. M = 8
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.
BALAKINA, L.M. ET AL 1961 PUB. DOM. OBS., 24, 321.
STEVENS, A.E. 1964 BULL. SEIS. SOC. AM., 54, 457.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
BALAKINA			320	80			140	15			130	50	230	15	315	35
STEVENS		S - SOLN.	146	15			314	75			130	60	225	3	317	30
HODGSON		191-30	60	31			318	83					44	30		
ALTER.		191-30	143	7			315	83					225	1		
	87.8	191-29-25	142.9	7.1	.08S	1.00N	318.0	82.9	.01D	1.00N	137.3	52.1	228.1	.6	318.6	37.9
			140.0	7.3	.04S	1.00N	317.8	82.7	.01D	1.00N	137.4	52.3	227.8	.3	318.0	37.7
ROTATION ABOUT A,C,B AXIS																
	-0.6		140.0	7.3	.03S	1.00N	318.4	82.7	0D	1.00N	138.1	52.3	228.4	.2	318.6	37.7
	.2		140.0	7.3	.04S	1.00N	317.5	82.7	.01D	1.00N	137.2	52.3	227.6	.3	317.8	37.7
	-51.2		53.6	51.3	.99D	.16N	317.8	82.7	.78S	.63N	178.2	32.2	38.9	50.3	281.9	20.7
	19.2		208.0	20.8	.93S	.36N	317.8	82.7	.33D	.94N	116.8	48.7	230.3	19.3	334.4	34.8
	-0.3		140.1	7.0	.04S	1.00N	317.8	83.0	.01D	1.00N	137.4	52.0	227.8	.3	318.0	38.0
	.4		139.9	7.7	.04S	1.00N	317.7	82.3	.01D	1.00N	137.4	52.7	227.8	.3	318.0	37.3
			CONE A		7 EXA	.99		CONE C		1 EXC .12			CONE B		8 EXB	.99

511
MAY 12, 1959 H = 09.46.51 23.5S 64.5W DEPTH 33 KM. M = 6.7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		77	-	-			-	-					-	-		
	74.7	77-17-15	332.1	89.8	.97S	.24N	62.2	76.2	1.00D	0N	196.3	9.9	61.3	76.2	288.0	9.6
			154.0	90.0	.96S	.28T	64.0	74.0	1.00D	0T	198.0	11.2	64.1	74.0	290.2	11.2
ROTATION ABOUT A,C,B AXIS																
	0		154.0	90.0	.96S	.28T	64.0	74.0	1.00D	0T	198.0	11.2	64.1	74.0	290.2	11.2
	3.8		154.0	90.0	.98S	.21T	64.0	77.8	1.00D	0T	198.4	8.6	64.1	77.8	289.8	8.6
	-5.6		332.5	84.6	.96S	.28N	64.0	74.0	1.00D	.10N	197.3	15.1	44.5	73.1	289.3	7.4
	2.0		154.6	88.1	.96S	.28T	64.0	74.0	1.00D	.04T	198.3	9.9	71.3	73.9	290.6	12.6
	-2.4		336.3	89.4	.96S	.28N	66.5	74.0	1.00D	.01N	200.1	11.7	64.1	74.0	292.4	10.8
	1.2		152.9	89.6	.96S	.28T	62.8	74.0	1.00D	.01T	196.5	10.9	64.1	74.0	288.8	11.5
			CONE A		5 EXA	.53	CONE C		4 EXC	.05			CONE B		5 EXB	.50

512
MAY 24, 1959 H = 19.17.40 17.5N 97W DEPTH 100 KM. M = 7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		111-21	73	90			343	71					343	71		
	84.2	111-20-16	67.5	82.6	.96S	.27T	335.4	74.2	.99D	.13T	110.7	5.8	1.9	72.5	202.5	16.4
			67.8	82.4	.96S	.29T	335.5	73.3	.99D	.14T	110.9	6.3	1.6	71.6	202.9	17.2
ROTATION ABOUT A,C,B AXIS																
	-0.6		67.8	82.4	.95S	.30T	335.4	72.7	.99D	.14T	110.8	6.7	.8	71.0	202.9	17.7
	1.0		67.8	82.4	.96S	.27T	335.7	74.3	.99D	.14T	111.1	5.6	3.0	72.5	202.8	16.5
	-0.4		67.7	82.7	.96S	.29T	335.5	73.3	.99D	.13T	110.6	6.5	.4	71.7	202.6	17.0
	0		67.8	82.4	.96S	.29T	335.5	73.3	.99D	.14T	110.9	6.3	1.6	71.6	202.9	17.2
	-1.0		68.8	82.6	.96S	.29T	336.6	73.2	.99D	.13T	111.6	6.5	1.6	71.6	203.6	17.1
	.2		67.6	82.3	.96S	.29T	335.3	73.4	.99D	.14T	110.5	6.2	1.6	71.6	202.5	17.3
			CONE A		1 EXA	.67	CONE C		1 EXC	.25			CONE B		1 EXB	.75

513
MAY 26, 1959 H = 04.13.01 27.5N 126.5E DEPTH 100 KM. M = 6.5
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		78-10	235	25			338	85					250	24		
	88.4	78-10-8	338.6	83.8	.41S	.91T	234.9	24.7	.97D	.26T	358.9	34.5	251.3	23.8	134.2	46.0
			157.6	77.9	.14S	.99N	303.1	14.6	.55D	.83N	348.0	56.4	245.8	8.0	150.7	32.4
ROTATION ABOUT A,C,B AXIS																
	-2.6		157.6	77.9	.10S	1.00N	312.5	13.3	.41D	.91N	344.8	56.7	246.4	5.5	152.9	32.7
	18.2		157.6	77.9	.44S	.90N	270.5	28.9	.90D	.44N	6.9	50.1	241.6	25.8	136.6	28.1
	-4.0		153.5	77.3	.13S	.99N	303.1	14.6	.49D	.87N	343.2	57.1	241.9	7.2	147.4	31.9
	32.0		189.4	84.0	.23S	.97N	303.1	14.6	.91D	.41N	23.9	49.3	278.0	13.3	177.5	37.6
	-6.4		158.5	71.5	.15S	.99N	313.4	20.3	.40D	.92N	351.5	62.6	245.8	8.0	151.9	26.0
	16.0		335.3	86.3	.14S	.99T	220.7	8.8	.91D	.42T	342.8	40.8	245.8	8.0	146.8	48.1
			CONE A		28 EXA	.38	CONE C		22 EXC	.07			CONE B		27 EXB	.42

514
JUNE 10, 1959 H = 04.16.03 35.7N 24.2E DEPTH 25 KM. M = 5.5
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	100.0	16-0	127.7	49.6	.01S	1.00N	306.7	40.4	.01D	1.00N	313.5	85.4	217.3	.5	127.3	4.6
			127.7	49.7	.01S	1.00N	307.1	40.3	.01D	1.00N	311.1	85.3	217.5	.3	127.5	4.7
ROTATION ABOUT A,C,B AXIS																
	-27.8		127.7	49.7	.46D	.89N	346.4	47.4	.48S	.88N	239.9	69.5	56.2	20.5	146.7	1.2
	31.0		127.7	49.7	.52S	.85N	264.4	49.4	.52D	.85N	15.8	66.6	196.2	23.4	106.1	.2
	-51.2		69.1	65.8	.55D	.84N	307.1	40.3	.77S	.63N	205.1	56.0	354.1	30.0	92.7	14.4
	25.6		159.8	54.5	.35S	.94N	307.1	40.3	.44D	.90N	32.2	71.7	237.6	16.6	145.4	7.4
	-11.2		127.9	38.5	.01S	1.00N	307.2	51.5	.01D	1.00N	124.9	83.5	217.5	.3	307.5	6.5
	12.8		127.6	62.5	.01S	1.00N	306.8	27.5	.01D	1.00N	308.5	72.5	217.5	.3	127.4	17.5
			CONE A	43 EXA	.69		CONE C	38 EXC	.59				CONE B	67 EXB	.23	

515
JUNE 14, 1959 H = 00.11.57 20.5S 68W DEPTH 100 KM. M = 7.2
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		102-19	94	83			359	55					13	54		
	81.8	102-20-19	5.2	53.1	.97S	.23N	103.3	79.4	.79D	.61N	241.0	33.7	26.7	51.1	139.2	17.1
			292.2	21.4	.13S	.99N	103.9	68.8	.05D	1.00N	278.6	66.1	15.0	2.8	106.2	23.7
ROTATION ABOUT A,C,B AXIS																
	-3.0		292.2	21.4	.08S	1.00N	107.1	68.6	.03D	1.00N	283.8	66.3	17.8	1.7	108.5	23.6
	37.4		292.2	21.4	.71S	.71N	65.0	75.1	.27D	.96N	224.5	57.2	339.1	15.0	77.4	28.4
	-8.0		270.4	21.8	.22D	.98N	103.9	68.8	.09S	1.00N	292.5	65.9	192.1	4.6	100.0	23.6
	51.2		359.3	57.0	.90S	.43N	103.9	68.8	.81D	.58N	235.5	39.9	40.6	49.1	139.2	7.4
	-14.4		307.2	7.4	.38S	.92N	104.6	83.2	.05D	1.00N	281.4	51.8	15.0	2.8	107.2	38.1
	.7		291.9	22.1	.13S	.99N	103.8	68.1	.05D	1.00N	278.4	66.8	15.0	2.8	106.2	23.0
			CONE A	30 EXA	.74		CONE C	25 EXC	.63				CONE B	49 EXB	.32	

516
JUNE 18, 1959 H = 15.58.38 54N 161E DEPTH 33 KM. M = 6.7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.
BALAKINA, L.M. ET AL 1961 PUB. DOM. OBS., 24, 321.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
BALAKINA			2	76			268	76					310	70		
HODGSON		26-3	350	82			260	85					318	80		
	83.1	26-3-3	350.0	82.2	1.00S	.08T	259.4	85.4	.99D	.14T	214.9	2.3	319.1	80.9	124.5	8.8
			350.0	82.2	1.00S	.08T	259.4	85.4	.99D	.14T	214.9	2.3	319.1	80.9	124.5	8.8
ROTATION ABOUT A,C,B AXIS																
	-1.8		350.0	82.2	.99S	.11T	259.1	83.6	.99D	.14T	214.8	1.0	310.3	79.9	124.6	10.1
	5.4		350.0	82.2	1.00S	.01N	80.1	89.3	.99D	.14N	215.5	6.1	355.4	82.1	125.0	5.1
	0		350.0	82.2	1.00S	.08T	259.4	85.4	.99D	.14T	214.9	2.3	319.1	80.9	124.5	8.8
	4.0		350.3	78.2	1.00S	.08T	259.4	85.4	.98D	.21T	215.3	5.0	328.4	77.3	124.3	11.6
	-2.0		352.0	82.3	1.00S	.09T	261.4	85.1	.99D	.13T	216.8	2.0	319.1	80.9	126.5	8.9
	2.0		348.0	82.0	1.00S	.08T	257.4	85.7	.99D	.14T	212.6	2.6	319.1	80.9	122.2	8.7
			CONE A	4 EXA	0		CONE C	5 EXC	.44				CONE B	5 EXB	.44	

517
JULY 9, 1959 H = 16.05.18 20.5S 68W DEPTH 100 KM. M = 6.7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		60-14	64	72			180	37					143	31		
	83.0	60-12-9	352.5	60.7	.97S	.23N	89.0	78.5	.87D	.50N	224.5	29.1	18.1	58.1	127.8	11.8
			352.2	60.6	.97S	.23N	88.8	78.4	.87D	.50N	224.3	29.3	17.9	57.9	127.5	11.8
ROTATION ABOUT A,C,B AXIS																
	-1.0		352.2	60.6	.97S	.25N	89.3	77.5	.86D	.50N	224.4	30.0	19.7	57.6	127.9	11.2
	.4		352.2	60.6	.97S	.22N	88.6	78.7	.87D	.50N	224.2	29.0	17.2	58.1	127.4	12.1
	-0.4		352.1	60.2	.97S	.23N	88.8	78.4	.86D	.51N	224.3	29.6	17.7	57.6	127.4	12.1
	.8		352.4	61.4	.97S	.23N	88.8	78.4	.87D	.49N	224.1	28.8	18.5	58.7	127.8	11.3
	-0.8		353.1	60.4	.97S	.22N	89.5	78.8	.86D	.50N	225.1	29.1	17.9	57.9	128.2	12.2
	1.2		350.8	60.9	.97S	.24N	87.8	77.8	.87D	.50N	222.9	29.6	17.9	57.9	126.4	11.2
			CONE A		2 EXA	.40	CONE C		2 EXC	.30			CONE B		1 EXB	.14

518
JULY 19, 1959 H = 15.06.10 15S 70.5W DEPTH 200 KM. M = 7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		85-19	174	19			64	83					152	18		
	83.7	85-19-13	55.4	80.0	.52S	.86N	161.4	32.5	.95D	.32N	267.1	46.0	139.4	30.6	30.9	28.2
			61.4	83.6	.36S	.93N	167.4	22.1	.96D	.30N	263.5	47.2	148.9	21.1	43.2	35.2
ROTATION ABOUT A,C,B AXIS																
	-8.6		61.4	83.6	.22S	.98N	177.9	14.1	.89D	.46N	255.3	49.9	150.0	12.5	50.2	37.4
	50.2		61.4	83.6	.95S	.32N	153.6	71.5	.99D	.12N	286.1	17.6	133.1	70.4	18.8	8.3
	-12.8		49.3	79.1	.33S	.94N	167.4	22.1	.87D	.50N	251.7	52.0	135.5	19.0	33.3	31.5
	.1		61.5	83.6	.36S	.93N	167.4	22.1	.96D	.29N	263.6	47.2	149.0	21.1	43.2	35.2
	-1.6		62.0	82.1	.36S	.93N	171.4	22.6	.93D	.36N	264.8	48.6	148.9	21.1	44.0	33.7
	.7		61.2	84.2	.36S	.93N	165.7	21.9	.96D	.27N	263.0	46.6	148.9	21.1	42.8	35.8
			CONE A		5 EXA	.82	CONE C		12 EXC	.96			CONE B		28 EXB	.78

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	82.9	85-19-13	34.9	70.0	.96S	.28N	130.6	74.6	.94D	.35N	263.5	25.4	75.6	64.4	172.1	3.1
			34.9	70.0	.96S	.28N	130.6	74.6	.94D	.35N	263.5	25.4	75.6	64.4	172.1	3.1
ROTATION ABOUT A,C,B AXIS																
	-5.4		34.9	70.0	.93S	.37N	132.6	69.6	.93D	.36N	263.7	29.2	84.4	60.8	353.8	.3
	4.6		34.9	70.0	.98S	.20N	128.9	78.9	.94D	.35N	263.2	22.1	66.3	67.0	170.8	6.1
	.0		34.9	70.0	.96S	.28N	130.6	74.6	.94D	.35N	263.5	25.4	75.6	64.4	172.1	3.1
	.7		35.1	70.7	.96S	.28N	130.6	74.6	.94D	.34N	263.5	24.9	76.6	64.9	172.3	2.6
	.0		34.9	70.0	.96S	.28N	130.6	74.6	.94D	.35N	263.5	25.4	75.6	64.4	172.1	3.1
	.9		34.0	70.3	.96S	.29N	129.7	74.3	.94D	.35N	262.5	25.4	75.6	64.4	171.3	2.7
			CONE A		1 EXA	.22	CONE C		3 EXC	.91			CONE B		3 EXB	.93

519
AUGUST 15, 1959 H = 08.57.04 23N 121E DEPTH 33 KM. M = 7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		160-41	358	86			-	-					-	-		
	75.1	160-38-35	358.4	84.5	.68S	.73N	94.3	43.2	.99D	.14N	214.8	35.7	83.3	42.7	325.8	26.6
			356.8	84.9	.67S	.75N	92.4	42.1	.99D	.13N	212.4	36.0	82.2	41.6	324.6	27.5
ROTATION ABOUT A,C,B AXIS																
	-0.2		356.8	84.9	.66S	.75N	92.5	41.9	.99D	.13N	212.3	36.1	82.2	41.4	324.7	27.6
	1.0		356.8	84.9	.68S	.73N	92.2	43.1	.99D	.13N	212.8	35.4	82.0	42.6	324.1	27.0
	-0.8		356.2	84.4	.67S	.75N	92.4	42.1	.99D	.15N	211.9	36.5	81.1	41.5	324.1	27.1
	.8		357.4	85.4	.67S	.74N	92.4	42.1	.99D	.12N	212.9	35.6	83.3	41.7	325.1	27.9
	-0.3		357.0	84.7	.67S	.75N	92.9	42.1	.99D	.14N	212.7	36.2	82.2	41.6	324.9	27.3
	.1		356.7	85.0	.67S	.75N	92.3	42.0	.99D	.13N	212.2	35.9	82.2	41.6	324.5	27.6

CONE A 1 EXA .75 CONE C 1 EXC .67 CONE B 1 EXB .25

520
* AUGUST 17, 1959 H = 01.33.14 41N 19.5E DEPTH 25 KM. M = 5.9
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	82.1	12-2-1	338.9	18.8	.24S	.97T	173.8	71.8	.08D	1.00T	170.0	26.7	262.3	4.5	1.2	62.9
			340.9	17.8	.19S	.98T	172.1	72.5	.06D	1.00T	169.4	27.4	261.1	3.2	357.2	62.4
ROTATION ABOUT A,C,B AXIS																
	-63.0		340.9	17.8	.79D	.61T	107.2	79.2	.25S	.97T	119.1	32.7	19.9	14.0	270.1	53.7
	24.6		340.9	17.8	.58S	.82T	197.5	75.6	.18D	.98T	188.9	29.8	284.8	10.2	31.6	58.1
	-9.6		314.5	21.7	.58S	.81T	172.1	72.5	.23D	.97T	161.8	26.4	258.1	12.4	10.9	60.4
	32.0		53.2	33.1	.84D	.55T	172.1	72.5	.48S	.88T	193.6	22.3	91.4	27.2	317.3	53.6
	-11.2		345.1	28.9	.12S	.99T	172.8	61.3	.06D	1.00T	170.2	16.2	261.1	3.2	1.9	73.4
	9.6		328.9	8.5	.38S	.92T	171.5	82.1	.06D	1.00T	168.7	37.0	261.1	3.2	355.3	52.8

CONE A 29 EXA .50 CONE C 43 EXC .76 CONE B 60 EXB .53

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
78.1	12-2-2	287.5	50.3	.84S	.54N	39.9	65.3	.71D	.70N	170.7	48.3	332.8	40.3	70.5	9.0
		290.0	59.4	.93S	.36N	31.1	72.0	.84D	.54N	164.1	35.4	327.2	53.4	68.3	8.1
ROTATION ABOUT A,C,B AXIS															
-11.8		290.0	59.4	.84S	.54N	38.2	62.1	.82D	.58N	165.1	43.7	341.8	46.3	73.5	1.7
31.0		290.0	59.4	.99S	.17T	194.9	81.5	.86D	.51T	156.1	14.8	271.1	58.0	58.1	27.7
-9.6		285.6	50.5	.92S	.40N	31.1	72.0	.74D	.67N	166.2	41.9	320.1	45.0	63.9	13.4
11.2		294.3	69.9	.94S	.33N	31.1	72.0	.93D	.36N	163.2	27.5	339.8	62.5	72.5	1.4
-14.4		306.4	55.2	.98S	.21N	43.4	80.0	.82D	.58N	180.8	31.7	327.2	53.4	80.4	16.3
8.0		281.6	62.5	.90S	.43N	23.8	67.8	.87D	.50N	154.3	36.4	327.2	53.4	61.8	3.4

CONE A 22 EXA .07 CONE C 31 EXC .48 CONE B 30 EXB .51

521
AUGUST 26, 1959 H = 08.25.30 18N 94.5W DEPTH 33 KM. M = 6.7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		138-25	59	48			210	46					135	15		
ALTER.		138-24	111	80			201	89					116	80		
	85.7	138-23-20	7.6	89.2	.93S	.35N	97.9	69.2	1.00D	.01N	230.8	15.1	95.5	69.2	324.7	13.9
			201.7	64.2	.36S	.93T	63.4	33.0	.60D	.80T	217.2	16.6	121.3	19.0	345.5	64.3
ROTATION ABOUT A,C,B AXIS																
	-31.0		201.7	64.2	.17D	.99T	.2	27.5	.33S	.94T	194.4	18.6	287.4	8.8	41.5	69.3
	50.2		201.7	64.2	.95S	.32T	103.3	73.4	.89D	.46T	64.1	6.1	164.1	58.6	330.4	30.7
	-7.2		194.4	66.9	.41S	.91T	63.4	33.0	.69D	.72T	212.2	18.4	114.4	22.2	338.2	60.5
	5.6		207.6	62.2	.32S	.95T	63.4	33.0	.52D	.86T	221.1	15.3	126.5	16.4	351.8	67.3
	-6.4		204.1	70.1	.35S	.94T	71.5	28.1	.69D	.72T	219.5	22.5	121.3	19.0	355.0	59.8
	19.2		192.2	46.6	.45S	.89T	48.4	49.6	.43D	.90T	30.8	1.6	121.3	19.0	296.2	70.9
			CONE A		18 EXA	.50	CONE C		46 EXC	.68			CONE B		32 EXB	.84

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	84.5	138-24-22	230.3	22.6	.96S	.27T	125.7	84.0	.37D	.93T	106.9	35.4	213.3	21.7	328.2	46.6
			248.9	41.4	.64S	.77T	117.1	59.6	.49D	.87T	96.4	9.9	191.1	25.1	346.5	62.7
ROTATION ABOUT A,C,B AXIS																
	-43.8		248.9	41.4	.07D	1.00T	63.9	48.7	.06S	1.00T	66.3	3.7	336.1	2.5	211.8	85.6
	56.6		248.9	41.4	.99S	.11N	343.9	85.7	.66D	.75N	129.0	35.7	257.7	41.0	15.9	28.6
	-64.0		25.3	87.0	.86S	.51N	117.1	59.6	1.00D	.06N	246.9	23.3	110.2	59.4	345.2	18.7
	32.0		302.0	30.5	.07D	1.00T	117.1	59.6	.04S	1.00T	118.9	14.6	28.4	2.1	290.4	75.3
	-19.2		263.5	57.2	.51S	.86T	130.7	43.5	.62D	.79T	284.6	7.5	191.1	25.1	30.0	63.7
	22.4		216.9	27.5	.92S	.39T	106.1	79.5	.43D	.90T	85.5	29.9	191.1	25.1	313.9	49.1
			CONE A		63 EXA	.57	CONE C		65 EXC	.59			CONE B		98 EXB	.04

522
SEPTEMBER 14, 1959 H = 14.09.39 28.5S 177W DEPTH 33 KM. M = 7.7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		99-20	329	87			-	-					-	-		
	80.0	107-24-20	134.9	87.3	.60S	.80T	41.3	37.0	1.00D	.08T	165.0	32.1	46.9	36.9	282.9	36.7
			161.3	61.7	.07S	1.00T	349.5	28.5	.13D	.99T	164.2	16.6	73.2	3.5	331.7	73.0
ROTATION ABOUT A,C,B AXIS																
	-43.8		161.3	61.7	.64D	.77T	280.8	47.5	.77S	.64T	134.0	8.2	229.7	34.4	32.5	54.4
	63.0		161.3	61.7	.92S	.39T	59.9	69.8	.86D	.50T	22.0	5.2	119.3	54.1	288.3	35.4
	-57.6		101.9	78.3	.44S	.90T	349.5	28.5	.91D	.42T	122.7	28.6	17.6	25.6	252.9	49.9
	28.8		193.7	63.6	.20D	.98T	349.5	28.5	.37S	.93T	185.4	17.9	278.7	10.1	36.8	69.3
	-28.8		343.2	89.5	.06S	1.00N	81.2	3.5	.99D	.14N	166.8	45.4	73.2	3.5	339.8	44.4
	32.0		157.1	29.9	.12S	.99T	345.1	60.4	.07D	1.00T	342.2	15.3	73.2	3.5	175.8	74.3
			CONE A		72 EXA	.30	CONE C		81 EXC	.43			CONE B		96 EXB	.19

523
SEPTEMBER 14, 1959 H = 22.23.53 29S 177W DEPTH 33 KM. M = 6.5
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		41-9	329	87			-	-					-	-		
	74.1	42-10-10	328.2	85.4	.89S	.45N	60.5	63.6	1.00D	.09N	191.2	21.8	49.1	63.1	287.3	15.0
			328.5	85.4	.88S	.47N	61.0	62.0	1.00D	.09N	191.2	22.9	50.0	61.5	288.1	16.0
ROTATION ABOUT A,C,B AXIS																
	-101.4		328.5	85.4	.64D	.77N	233.0	39.7	.99S	.13N	114.3	36.9	242.3	39.4	359.6	29.2
	8.6		328.5	85.4	.94S	.33N	60.2	70.5	1.00D	.08N	192.7	17.0	45.8	70.0	285.9	10.3
	-0.4		328.4	85.1	.88S	.47N	61.0	62.0	1.00D	.10N	191.1	23.1	49.2	61.5	288.0	15.7
	.1		328.6	85.5	.88S	.47N	61.0	62.0	1.00D	.09N	191.2	22.8	50.2	61.6	288.1	16.1
	-0.8		329.3	85.0	.88S	.47N	61.9	62.1	1.00D	.10N	192.0	23.1	50.0	61.5	288.9	15.7
	.2		328.4	85.5	.88S	.47N	60.8	62.0	1.00D	.09N	190.9	22.8	50.0	61.5	287.9	16.1
			CONE A		1 EXA	.50		CONE C		10 EXC .99			CONE B		7 EXB 1.00	

524
SEPTEMBER 29, 1959 H = 15.31.57 29S 176.5W DEPTH 33 KM. M = 6.5
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		44-11	15	90			285	89					287	89		
ALTER.		44-10	79	89			169	81					162	81		
	76.5	44-10-9	179.0	76.3	1.00S	.02T	88.7	88.8	.97D	.24T	44.7	8.8	173.8	76.2	313.0	10.5
			201.1	23.8	.72S	.70T	69.5	73.7	.30D	.95T	55.7	26.7	154.4	16.8	273.0	57.7
ROTATION ABOUT A,C,B AXIS																
	-1.0		201.1	23.8	.71S	.71T	68.5	73.4	.30D	.95T	54.9	26.4	153.4	16.5	271.9	58.1
	43.8		201.1	23.8	1.00S	.01T	110.8	89.9	.40D	.92T	88.8	40.2	200.7	23.8	312.8	40.4
	-64.0		161.9	81.9	.96S	.28T	69.5	73.7	.99D	.15T	204.9	5.7	97.4	71.7	296.6	17.3
	76.8		330.0	60.6	.95D	.32T	69.5	73.7	.86S	.51T	107.5	8.5	4.8	55.6	203.1	33.0
	-0.1		201.3	23.8	.72S	.70T	69.5	73.6	.30D	.95T	55.7	26.6	154.4	16.8	273.1	57.8
	14.4		163.5	17.0	.99S	.15T	65.2	87.5	.29D	.96T	49.6	40.2	154.4	16.8	262.0	45.0
			CONE A		45 EXA	.90		CONE C		25 EXC .68			CONE B		79 EXB .68	

525
OCTOBER 5, 1959 H = 18.27.47 83.5N 112.5E DEPTH 33 KM. M = 6
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		35-6	287	85			195	63					207	62		
	82.9	35-6-5	204.7	64.8	.91S	.42N	306.0	67.4	.89D	.46N	76.1	34.9	252.5	55.0	344.9	1.7
			204.7	64.8	.91S	.42N	306.0	67.4	.89D	.46N	76.1	34.9	252.5	55.0	344.9	1.7
ROTATION ABOUT A,C,B AXIS																
	-3.8		204.7	64.8	.88S	.48N	308.0	64.0	.88D	.47N	76.0	37.6	257.1	52.4	166.4	.5
	11.8		204.7	64.8	.97S	.23N	300.5	78.0	.90D	.44N	75.1	26.6	233.8	61.7	340.6	8.9
	-2.0		203.8	63.0	.90S	.43N	306.0	67.4	.87D	.49N	76.1	36.4	250.2	53.5	344.0	2.8
	4.8		206.9	69.2	.91S	.41N	306.0	67.4	.92D	.39N	75.9	31.6	258.6	58.4	166.7	1.2
	-1.4		206.1	64.2	.91S	.42N	307.4	68.1	.88D	.47N	77.9	34.9	252.5	55.0	346.1	2.5
	.2		204.5	64.9	.90S	.43N	305.8	67.3	.89D	.46N	75.8	35.0	252.5	55.0	344.7	1.6
			CONE A		3 EXA	.76		CONE C		5 EXC .90			CONE B		10 EXB .56	

526
* OCTOBER 5, 1959 H = 20.34.06 41N 19.5E DEPTH 25 KM.
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	DIP	COMPONENT STRIKE	DIP	PLANE C AZ	DIP	COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
E.S.A	91.7	15-2-1	25.8	86.4	.53S	.85T	290.2	32.4	.99D	.12T	52.8	33.5	298.1	32.2	176.4	39.9
			193.4	82.2	.67S	.75N	292.0	42.3	.98D	.20N	50.2	38.2	276.5	41.3	162.0	25.3
ROTATION ABOUT A,C,B AXIS																
	-24.6		193.4	82.2	.29S	.96N	307.1	18.8	.91D	.42N	32.3	49.9	281.0	17.0	178.6	35.0
	24.6		193.4	82.2	.92S	.40N	286.8	66.6	.99D	.15N	57.9	22.1	266.3	65.2	152.3	10.6
	-19.2		178.3	69.8	.62S	.79N	292.0	42.3	.86D	.51N	41.0	50.1	253.2	35.3	151.3	16.2
	38.4		42.5	72.3	.63S	.78T	292.0	42.3	.89D	.45T	70.5	17.9	326.4	36.9	181.2	47.6
	-9.6		200.0	75.1	.68S	.73N	305.4	45.1	.93D	.36N	61.3	42.9	276.5	41.3	169.4	18.5
	3.6		191.0	84.9	.66S	.75N	286.7	41.7	.99D	.13N	46.5	36.2	276.5	41.3	159.0	27.7
			CONE A		28 EXA	.77	CONE C		25 EXC	.73			CONE B		53 EXB	.15

	SCORE	OBSERVED	PLANE A AZ	DIP	COMPONENT STRIKE	DIP	PLANE C AZ	DIP	COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
	86.9	15-2-1	3.4	12.9	.44S	.90N	156.9	78.4	.10D	1.00N	329.7	56.2	68.1	5.6	161.8	33.2
			340.5	17.5	.12D	.99N	167.6	72.6	.04S	1.00N	351.0	62.3	257.0	2.1	165.9	27.6
ROTATION ABOUT A,C,B AXIS																
	-21.4		340.5	17.5	.47D	.88N	189.9	74.6	.15S	.99N	21.8	59.5	277.6	8.2	183.0	29.1
	24.6		340.5	17.5	.30S	.95N	141.9	73.4	.10D	1.00N	313.8	61.2	53.5	5.3	146.4	28.2
	-19.2		295.0	27.3	.76D	.65N	167.6	72.6	.36S	.93N	15.9	57.1	251.0	20.3	151.2	24.6
	32.0		50.2	34.1	.85S	.53N	167.6	72.6	.50D	.87N	312.0	52.8	87.4	28.4	190.0	21.9
	-14.4		312.4	3.6	.57D	.82N	167.1	87.0	.04S	1.00N	349.3	48.0	257.0	2.1	165.1	42.0
	9.6		343.0	27.0	.08D	1.00N	168.1	63.0	.04S	1.00N	353.4	71.9	257.0	2.1	166.3	18.0
			CONE A		35 EXA	.53	CONE C		33 EXC	.48			CONE B		49 EXB	.10

527
* OCTOBER 7, 1959 H = 08.30.14 41N 19.7E DEPTH 25 KM.
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	DIP	COMPONENT STRIKE	DIP	PLANE C AZ	DIP	COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
E.S.A	90.5	25-4-2	347.3	21.7	.87S	.50T	229.2	79.4	.33D	.95T	213.5	31.8	315.6	18.7	71.2	51.9
			346.0	20.3	.87S	.50T	227.5	80.0	.30D	.95T	212.8	32.7	314.4	17.4	67.9	51.8
ROTATION ABOUT A,C,B AXIS																
	-24.6		346.0	20.3	.58S	.82T	203.1	73.6	.21D	.98T	193.5	27.6	289.7	11.6	40.2	59.6
	3.8		346.0	20.3	.90S	.44T	231.2	81.2	.31D	.95T	215.7	33.7	318.3	18.1	71.7	50.5
	-11.2		334.9	30.5	.94S	.34T	227.5	80.0	.48D	.88T	204.6	29.1	312.1	28.4	77.7	47.1
	1.0		347.5	19.4	.85S	.52T	227.5	80.0	.29D	.96T	213.4	33.0	314.5	16.5	66.9	52.1
	-5.6		358.2	23.5	.75S	.66T	229.3	74.7	.31D	.95T	215.0	27.5	314.4	17.4	72.8	56.6
	1.4		342.3	19.6	.89S	.45T	227.1	81.4	.30D	.95T	212.2	34.1	314.4	17.4	66.8	50.6
			CONE A		9 EXA	.43	CONE C		14 EXC	.75			CONE B		19 EXB	.57

528

* NOVEMBER 15, 1959 H = 17.08.41 37.8N 20.5E DEPTH 100 KM.

DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	85.9	53-9-6	39.9	82.0	.10S	.99N	183.1	10.0	.59D	.80N	226.9	52.6	129.1	5.9	34.7	36.7
			39.6	82.9	.24S	.97N	155.7	15.8	.89D	.45N	235.3	50.2	127.9	14.0	27.3	36.4
ROTATION ABOUT A,C,B AXIS																
	-15.0		39.6	82.9	.02D	1.00N	226.6	7.1	.12S	.99N	218.5	52.1	309.7	.9	40.4	37.9
	31.0		39.6	82.9	.71S	.71N	136.6	45.6	.99D	.17N	257.7	35.6	122.6	44.7	6.4	24.0
	-1.4		38.3	82.6	.24S	.97N	155.7	15.8	.88D	.47N	233.7	50.5	126.4	13.8	26.1	36.1
	3.6		43.1	83.8	.25S	.97N	155.7	15.8	.92D	.40N	238.9	49.2	131.5	14.5	30.2	37.2
	-4.8		40.8	78.3	.25S	.97N	169.3	18.4	.77D	.64N	238.4	54.5	127.9	14.0	29.0	31.8
	1.8		39.2	84.7	.24S	.97N	149.5	15.0	.93D	.36N	234.2	48.4	127.9	14.0	26.6	38.1
			CONE A		6 EXA	.24	CONE C		17 EXC	.86			CONE B		15 EXB	.89

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	84.7	53-9-7	227.6	84.9	.24S	.97T	117.6	14.7	.94D	.35T	239.9	38.4	138.8	13.7	32.9	48.3
			43.6	89.8	.43S	.90N	133.9	25.6	1.00D	.01N	247.0	39.8	133.5	25.6	20.3	39.4
ROTATION ABOUT A,C,B AXIS																
	-24.6		43.6	89.8	.02S	1.00N	143.4	1.0	.99D	.17N	224.6	45.2	133.6	1.0	42.6	44.8
	24.6		43.6	89.8	.77S	.64N	133.7	50.2	1.00D	0N	261.2	27.1	133.4	50.2	6.2	26.8
	-9.6		34.9	85.7	.43S	.90N	133.9	25.6	.98D	.17N	239.6	43.7	122.9	25.2	13.1	35.8
	9.6		232.2	86.0	.43S	.90T	133.9	25.6	.99D	.16T	254.1	36.1	144.1	25.2	27.7	43.4
	-9.6		47.7	81.2	.44S	.90N	155.3	27.3	.94D	.33N	255.0	47.4	133.5	25.6	26.5	31.3
	2.4		222.5	88.0	.43S	.90T	128.4	25.7	1.00D	.08T	245.3	37.8	133.5	25.6	18.5	41.4
			CONE A		15 EXA	.37	CONE C		24 EXC	.76			CONE B		31 EXB	.61

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* DECEMBER 1, 1959 H = 12.38.49 38.0N 20.1E DEPTH 25 KM.

DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	84.9	30-5-4	276.3	67.6	.96S	.27T	180.2	75.4	.92D	.39T	139.4	5.2	239.7	62.8	46.8	26.6
			276.3	67.6	.96S	.27T	180.2	75.4	.92D	.39T	139.4	5.2	239.7	62.8	46.8	26.6
ROTATION ABOUT A,C,B AXIS																
	-11.8		276.3	67.6	.89S	.46T	175.1	64.6	.91D	.42T	315.2	1.9	222.4	55.0	46.5	34.9
	15.0		276.3	67.6	1.00S	.01T	186.0	89.2	.92D	.38T	143.5	15.0	274.2	67.6	49.1	16.2
	-11.2		273.2	78.4	.97S	.26T	180.2	75.4	.98D	.21T	316.4	2.1	220.3	71.2	47.1	18.7
	0.4		278.3	61.4	.96S	.29T	180.2	75.4	.87D	.49T	141.6	9.2	246.2	57.3	46.0	31.1
	-0.4		276.8	67.7	.96S	.28T	180.5	75.2	.92D	.39T	139.8	5.0	239.7	62.8	47.3	26.7
	9.6		266.2	65.3	.98S	.20T	171.2	79.3	.91D	.43T	130.8	9.4	239.7	62.8	36.3	25.3
			CONE A		13 EXA	.43	CONE C		16 EXC	.63			CONE B		22 EXB	.34

530
* JANUARY 3, 1960 H = 20.19.34 39.2N 15.2E DEPTH 270 KM.
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	91.8	23-2-2	305.1	15.4	.57S	.82N	89.3	77.4	.15D	.99N	257.8	56.7	1.3	8.7	96.8	31.8
			285.8	28.7	.17S	.99N	94.7	61.8	.09D	1.00N	262.1	72.7	7.2	4.6	98.6	16.6
ROTATION ABOUT A,C,B AXIS																
	-4.6		285.8	28.7	.09S	1.00N	100.0	61.5	.05D	1.00N	273.1	73.4	11.3	2.4	102.0	16.4
	8.6		285.8	28.7	.31S	.95N	85.1	62.9	.17D	.99N	244.2	70.5	359.6	8.7	92.3	17.4
	-2.4		280.8	28.3	.09S	1.00N	94.7	61.8	.05D	1.00N	267.8	73.1	6.1	2.5	96.9	16.7
	22.4		322.7	38.7	.65S	.76N	94.7	61.8	.46D	.89N	229.6	62.4	18.7	24.2	114.4	12.6
	-5.6		288.2	23.2	.21S	.98N	95.3	67.4	.09D	1.00N	266.1	67.3	7.2	4.6	99.1	22.2
	11.2		282.8	39.7	.13S	.99N	93.4	50.6	.10D	.99N	237.2	82.8	7.2	4.6	97.7	5.5
			CONE A	20 EXA	.32		CONE C	15 EXC	.21				CONE B	18 EXB	.47	

531
JANUARY 15, 1960 H = 09.30.24 15S 75W DEPTH 150 KM. M = 7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		110-23	12	47			257	66					327	37		
	83.2	110-22-17	11.8	46.9	.91S	.41T	264.6	72.5	.70D	.72T	233.8	15.7	338.3	41.7	128.0	44.1
			77.3	39.3	.29D	.96T	235.8	52.7	.23S	.97T	245.4	6.8	154.1	10.6	7.6	77.4
ROTATION ABOUT A,C,B AXIS																
	-15.0		77.3	39.3	.53D	.85T	218.5	57.5	.40S	.92T	235.1	9.6	141.6	19.6	349.9	68.0
	50.2		77.3	39.3	.55S	.84T	297.6	58.0	.41D	.91T	280.5	9.9	14.2	20.3	165.9	67.2
	-57.6		357.8	55.2	.67S	.74T	235.8	52.7	.70D	.72T	26.3	1.4	295.3	33.6	118.4	56.4
	28.8		112.1	53.9	.66D	.75T	235.8	52.7	.67S	.74T	84.3	.7	174.7	32.3	353.2	57.7
	-19.2		70.8	57.9	.22D	.98T	228.0	34.2	.33S	.94T	61.8	12.1	154.1	10.6	284.3	73.8
	28.8		112.5	14.1	.76D	.65T	242.3	80.9	.19S	.98T	251.6	35.0	154.1	10.6	49.8	52.9
			CONE A	64 EXA	.44		CONE C	56 EXC	.26				CONE B	75 EXB	.25	

532
* FEBRUARY 1, 1960 H = 11.59.39 35.0N 22.8E DEPTH 25 KM.
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	88.2	14-3-1	248.1	75.5	.01S	1.00N	66.1	14.5	.03D	1.00N	68.8	59.5	338.0	.5	247.7	30.5
			248.1	75.5	.01S	1.00N	66.1	14.5	.03D	1.00N	68.8	59.5	338.0	.5	247.7	30.5
ROTATION ABOUT A,C,B AXIS																
	-50.2		248.1	75.5	.76D	.65N	146.1	51.2	.95S	.32N	24.8	38.3	174.6	47.6	282.2	15.4
	8.6		248.1	75.5	.16S	.99N	35.5	17.1	.52D	.85N	80.5	58.5	335.8	8.8	240.7	29.9
	-5.6		242.3	75.5	.02D	1.00N	66.1	14.5	.06S	1.00N	61.1	59.5	152.6	.9	243.1	30.5
	6.4		254.7	75.7	.04S	1.00N	66.1	14.5	.15D	.99N	77.7	59.2	344.2	2.1	253.0	30.7
	-4.0		248.2	71.5	.01S	1.00N	66.5	18.5	.03D	1.00N	69.0	63.5	338.0	.5	247.8	26.5
	2.4		248.1	77.9	.01S	1.00N	65.7	12.1	.04D	1.00N	68.8	57.1	338.0	.5	247.7	32.9
			CONE A	9 EXA	.47		CONE C	19 EXC	.89				CONE B	27 EXB	.80	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	85.8	14-3-1	149.4	69.2	.15S	.99T	352.6	22.5	.37D	.93T	156.1	23.7	62.5	8.1	314.9	64.8
			149.4	69.2	.15S	.99T	352.6	22.5	.37D	.93T	156.1	23.7	62.5	8.1	314.9	64.8
ROTATION ABOUT A,C,B AXIS																
	-0.6		149.4	69.2	.14S	.99T	351.2	22.2	.35D	.94T	155.6	23.8	62.3	7.5	316.0	64.9
	43.8		149.4	69.2	.79S	.61T	44.1	55.3	.90D	.43T	183.9	8.7	84.2	47.8	281.6	40.9
	-44.8		104.6	81.2	.35S	.94T	352.6	22.5	.92D	.40T	122.0	33.0	17.9	20.5	261.8	49.6
	64.0		217.3	73.6	.27D	.96T	352.6	22.5	.67S	.74T	205.0	27.0	302.8	14.9	58.6	58.6
	-6.4		150.4	75.5	.15S	.99T	.9	16.7	.49D	.87T	157.2	30.0	62.5	8.1	319.0	58.7
	.2		149.4	69.0	.15S	.99T	352.5	22.6	.37D	.93T	156.1	23.5	62.5	8.1	314.8	64.9
			CONE A	27 EXA	.94		CONE C	17 EXC	.85				CONE B	70 EXB	.59	

533

* FEBRUARY 21, 1960 H = 08.13.32 36N 4.1E DEPTH 25 KM.

DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	90.8	14-3-2	221.3	89.8	.98S	.21T	131.2	77.8	1.00D	0T	265.6	8.4	132.2	77.8	356.9	8.7
			221.2	89.8	.97S	.25T	131.2	75.5	1.00D	0T	265.3	10.1	132.0	75.5	357.1	10.3
ROTATION ABOUT A,C,B AXIS																
	-88.6		221.2	89.8	.23D	.97T	312.1	13.1	1.00S	.02T	208.5	43.3	311.2	13.1	54.1	43.7
	31.0		221.2	89.8	.96S	.28N	311.3	73.5	1.00D	0N	85.0	11.7	310.5	73.5	177.4	11.4
	-3.2		40.4	87.1	.97S	.25N	131.2	75.5	1.00D	.05N	265.0	12.3	119.5	75.2	356.8	8.1
	22.4		227.1	68.1	.96S	.27T	131.2	75.5	.92D	.38T	90.1	5.0	190.1	63.3	357.7	26.2
	-4.0		45.1	89.2	.97S	.25N	135.3	75.5	1.00D	.01N	269.3	10.8	132.0	75.5	1.1	9.6
	.6		220.6	89.6	.97S	.25T	130.5	75.5	1.00D	.01T	264.5	9.9	132.0	75.5	356.3	10.5
			CONE A	11 EXA	.82		CONE C	23 EXC	.96				CONE B	55 EXB	.79	

534

* FEBRUARY 29, 1960 H = 23.40.14 30.4N 9.6W DEPTH SHALLOW M = 5.8

DATA FROM N. OCAL, KANDILLI OBS., SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
OCAL	88.9	43-6-4	341.4	67.0	.09S	1.00T	174.3	23.5	.21D	.98T	345.3	21.8	253.4	4.7	151.9	67.6
			355.4	58.8	.15S	.99T	192.0	32.3	.24D	.97T	1.8	13.4	270.0	7.5	151.5	74.6
ROTATION ABOUT A,C,B AXIS																
	-43.8		355.4	58.8	.57D	.82T	121.9	45.5	.69S	.73T	331.2	7.4	65.4	29.4	228.4	59.5
	63.0		355.4	58.8	.95S	.31T	255.7	74.5	.84D	.54T	218.5	10.2	323.0	54.3	121.5	33.8
	-9.6		344.5	60.7	.25S	.97T	192.0	32.3	.40D	.92T	354.9	14.6	261.6	12.4	132.8	70.7
	.9		356.4	58.7	.14S	.99T	192.0	32.3	.23D	.97T	2.4	13.3	270.7	7.0	153.7	74.9
	-0.3		355.4	59.1	.15S	.99T	192.1	32.0	.25D	.97T	1.8	13.7	270.0	7.5	152.0	74.3
	.5		355.3	58.3	.15S	.99T	191.8	32.8	.24D	.97T	1.7	12.9	270.0	7.5	150.5	75.0
			CONE A	3 EXA	.92		CONE C	9 EXC	.99				CONE B	33 EXB	.90	

535
MARCH 8, 1960 H = 16.33.38 16.5S 168.5E DEPTH 250 KM. M = 7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		209-24	151	82			245	58					229	57		
ALTER.		209-21	165	56			307	41					239	35		
	89.6	217-28-24	35.9	49.4	.97S	.25N	135.5	79.0	.75D	.66N	274.3	36.5	57.7	47.3	169.6	19.0
			334.1	27.3	.04S	1.00N	151.5	62.8	.02D	1.00N	329.0	72.2	62.1	1.0	152.4	17.8
ROTATION ABOUT A,C,B AXIS																
	-3.8		334.1	27.3	.03D	1.00N	155.8	62.7	.01S	1.00N	337.7	72.3	245.5	.7	155.3	17.7
	7.0		334.1	27.3	.16S	.99N	143.7	63.1	.08D	1.00N	313.1	71.5	55.8	4.2	147.2	18.0
	-32.0		279.0	40.2	.71D	.71N	151.5	62.8	.51S	.86N	17.4	59.7	226.3	27.1	129.8	12.5
	38.4		32.6	46.8	.78S	.63N	151.5	62.8	.64D	.77N	281.7	53.9	82.3	34.5	178.7	9.3
	-3.6		334.5	23.7	.05S	1.00N	151.6	66.4	.02D	1.00N	329.5	68.6	62.1	1.0	152.5	21.4
	3.6		333.8	30.9	.04S	1.00N	151.4	59.2	.02D	1.00N	328.1	75.8	62.1	1.0	152.4	14.2
			CONE A	23 EXA	.90		CONE C	9 EXC	.33				CONE B	28 EXB	.85	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	89.4	217-28-24	153.7	64.8	.28S	.96N	299.2	29.7	.51D	.86N	3.2	66.2	236.6	14.7	141.6	18.2
			152.1	63.1	.03D	1.00N	335.9	26.9	.06S	1.00N	328.3	71.8	62.9	1.5	153.4	18.1
ROTATION ABOUT A,C,B AXIS																
	-37.4		152.1	63.1	.63D	.78N	33.0	46.2	.78S	.63N	282.6	54.0	82.2	34.3	178.9	9.7
	31.0		152.1	63.1	.49S	.87N	280.9	38.9	.69D	.72N	16.7	60.4	227.9	25.9	131.3	13.3
	-8.0		143.1	63.7	.10D	.99N	335.9	26.9	.20S	.98N	310.9	70.8	55.7	5.1	147.4	18.5
	3.2		155.7	63.1	0D	1.00N	335.9	26.9	0S	1.00N	335.4	71.9	65.7	.1	155.7	18.1
	-4.0		151.9	59.1	.03D	1.00N	335.4	30.9	.05S	1.00N	327.0	75.8	62.9	1.5	153.3	14.1
	2.8		152.2	65.9	.03D	1.00N	336.3	24.1	.07S	1.00N	329.0	69.0	62.9	1.5	153.5	20.9
			CONE A	9 EXA	.39		CONE C	22 EXC	.90				CONE B	28 EXB	.84	

536
* MARCH 12, 1960 H = 11.54.01 42N 21E DEPTH 25 KM.
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	79.9	22-5-3	342.0	69.3	1.00S	.07N	73.5	86.0	.94D	.35N	209.6	17.4	353.9	68.9	115.9	11.6
			342.7	69.5	1.00S	.07N	74.2	86.1	.94D	.35N	210.2	17.2	354.4	69.1	116.6	11.5
ROTATION ABOUT A,C,B AXIS																
	-2.6		342.7	69.5	.99S	.12N	75.1	83.7	.94D	.35N	210.7	19.0	1.3	68.4	117.2	9.8
	8.6		342.7	69.5	1.00S	.08T	251.2	85.8	.94D	.35T	208.8	11.3	330.2	69.0	115.2	17.5
	-28.8		339.7	40.8	.99S	.10N	74.2	86.1	.65D	.76N	219.6	35.7	347.5	40.5	106.0	29.2
	2.0		342.9	71.4	1.00S	.07N	74.2	86.1	.95D	.32N	209.9	15.9	355.5	71.0	117.0	10.2
	-6.4		349.6	69.1	1.00S	.03N	80.2	88.4	.93D	.36N	216.9	15.7	354.4	69.1	123.0	13.4
	.8		341.9	69.5	1.00S	.08N	73.4	85.8	.94D	.35N	209.4	17.4	354.4	69.1	115.8	11.3
			CONE A	.15 EXA	.77		CONE C	9 EXC	.36				CONE B	19 EXB	.64	

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
78.8	22-5-4	153.9	56.9	.94S	.33N	254.8	73.9	.82D	.57N	29.0	35.6	186.6	52.2	291.1	11.0
		156.8	52.9	.92S	.38N	260.8	72.2	.77D	.63N	35.2	39.9	191.3	47.5	294.9	12.1
ROTATION ABOUT A,C,B AXIS															
-37.4		156.8	52.9	.50S	.86N	292.9	46.3	.55D	.83N	37.9	66.1	227.5	23.6	135.9	3.6
15.0		156.8	52.9	.99S	.13N	251.3	84.0	.80D	.61N	30.8	30.0	169.1	52.3	288.2	20.6
-25.6		137.8	30.5	.80S	.60N	260.8	72.2	.42D	.91N	48.6	55.6	179.0	23.9	279.9	23.1
8.0		160.3	60.4	.94S	.35N	260.8	72.2	.85D	.52N	33.6	34.4	197.5	54.5	298.3	7.6
-11.2		170.5	49.4	.97S	.24N	269.6	79.5	.75D	.66N	48.6	36.1	191.3	47.5	303.8	19.3
11.2		144.6	57.9	.87S	.49N	251.3	65.4	.81D	.58N	20.7	42.1	191.3	47.5	286.4	4.7
		CONE A	27 EXA	.33		CONE C	34 EXC	.57				CONE B	42 EXB	.36	

537
MARCH 20, 1960 H = 17.07.30 40N 143.5E DEPTH 60 KM. M = 7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		172-36	261	84			62	6					351	2		
	79.7	172-36-32	282.1	77.9	.19S	.98N	59.2	16.3	.67D	.75N	116.1	55.8	9.8	10.8	272.9	32.0
			281.1	78.3	.18S	.98N	59.4	15.5	.65D	.76N	113.9	55.6	9.0	10.0	272.5	32.6
ROTATION ABOUT A,C,B AXIS																
-15.0			281.1	78.3	.08D	1.00N	123.5	12.6	.37S	.93N	95.0	56.4	192.1	4.7	285.2	33.1
1.8			281.1	78.3	.21S	.98N	54.6	16.7	.71D	.70N	116.1	55.1	8.6	11.8	271.0	32.3
-2.8			278.3	77.8	.17S	.99N	59.4	15.5	.61D	.79N	110.5	56.2	6.2	9.4	270.2	32.1
1.6			282.7	78.6	.18S	.98N	59.4	15.5	.67D	.74N	115.8	55.2	10.6	10.3	273.9	32.8
-1.4			281.4	77.0	.18S	.98N	62.6	16.6	.61D	.79N	114.7	56.8	9.0	10.0	272.9	31.3
.4			281.0	78.7	.18S	.98N	58.4	15.2	.66D	.75N	113.7	55.2	9.0	10.0	272.4	32.9
			CONE A	3 EXA	.59		CONE C	5 EXC	.89				CONE B	9 EXB	.74	

538
* MARCH 27, 1960 H = 23.28.27 39.0S 174.9E DEPTH 228 KM. M = 6.6
ADAMS, R.D 1963 N.Z. JOUR. GEOL. GEOPHYS., 6, 209.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
ADAMS		37	260	71			111	22					174	11		
	88.1	37-5-4	260.2	83.5	.87S	.50T	166.5	60.2	.99D	.13T	299.7	15.7	181.3	59.4	37.5	25.5
			264.0	81.6	.39S	.92T	155.2	24.5	.94D	.35T	283.3	32.7	177.6	22.8	59.4	48.3
ROTATION ABOUT A,C,B AXIS																
-31.0			264.0	81.6	.14D	.99T	40.3	11.5	.68S	.73T	257.1	36.1	352.8	7.8	93.2	52.8
43.8			264.0	81.6	.92S	.39T	170.4	67.2	.99D	.16T	305.2	9.8	192.8	65.5	39.2	22.2
-19.2			246.4	89.4	.41S	.91T	155.2	24.5	1.00D	.02T	268.7	39.5	156.6	24.5	43.6	40.6
2.8			266.6	80.5	.39S	.92T	155.2	24.5	.92D	.40T	285.3	31.8	180.5	22.4	61.7	49.5
-2.8			265.1	84.2	.39S	.92T	161.7	23.6	.97D	.25T	284.9	35.2	177.6	22.8	61.8	46.0
.6			263.8	81.1	.39S	.92T	153.8	24.7	.93D	.37T	283.0	32.2	177.6	22.8	58.9	48.8
			CONE A	9 EXA	.85		CONE C	16 EXC	.95				CONE B	41 EXB	.71	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	86.3	37-5-5	28.2	17.4	.85S	.52T	267.9	81.0	.26D	.97T	255.1	34.3	355.5	14.8	105.1	51.7
			44.7	13.1	.68S	.73T	268.3	80.4	.16D	.99T	260.6	34.8	356.8	8.9	99.1	53.8
ROTATION ABOUT A,C,B AXIS																
	-1.4		44.7	13.1	.66S	.75T	266.9	80.2	.15D	.99T	259.4	34.6	355.4	8.6	97.4	54.0
	2.2		44.7	13.1	.71S	.71T	270.5	80.8	.16D	.99T	262.4	35.2	358.9	9.2	101.5	53.3
	-25.6		11.8	35.7	.96S	.28T	268.3	80.4	.57D	.82T	241.5	27.1	351.7	34.0	122.0	43.8
	64.0		171.6	55.6	.98D	.20T	268.3	80.4	.82S	.57T	305.3	16.4	191.6	53.9	45.6	31.2
	-1.8		49.6	14.5	.62S	.79T	268.5	78.6	.16D	.99T	261.0	33.0	356.8	8.9	100.0	55.5
	1.2		40.8	12.2	.73S	.69T	268.1	81.6	.16D	.99T	260.3	36.0	356.8	8.9	98.6	52.6
			CONE A		16 EXA	.97	CONE C		3 EXC	.17			CONE B		18 EXB	.96

539
MAY 21, 1960 H = 10.02.50 37.5S 73.5W DEPTH 33 KM. M = 7.2
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		135-24	274	76			151	25					189	20		
	87.0	135-24-17	274.7	75.6	.95S	.30T	180.2	72.9	.97D	.26T	317.1	1.8	222.7	67.3	47.9	22.6
			319.5	35.7	.36S	.93T	164.7	57.0	.25D	.97T	154.5	10.9	246.8	12.0	23.3	73.7
ROTATION ABOUT A,C,B AXIS																
	-37.4		319.5	35.7	.28D	.96T	119.5	56.0	.20S	.98T	127.7	10.3	36.0	9.5	264.2	75.9
	63.0		319.5	35.7	.99S	.11T	224.6	86.4	.58D	.81T	195.6	32.0	312.0	35.4	76.1	38.3
	-64.0		261.1	80.2	.83S	.55T	164.7	57.0	.98D	.20T	298.7	15.4	185.4	55.2	37.9	30.4
	32.0		15.0	37.0	.42D	.91T	164.7	57.0	.30S	.95T	177.2	10.4	84.5	14.7	301.2	71.9
	-16.0		326.8	50.9	.27S	.96T	170.6	41.6	.31D	.95T	337.8	4.8	246.8	12.0	89.0	77.1
	16.0		303.9	21.4	.57S	.82T	160.6	72.6	.22D	.98T	150.7	26.6	246.8	12.0	358.8	60.5
			CONE A		55 EXA	.67	CONE C		57 EXC	.68			CONE B		98 EXB	.04

540
MAY 22, 1960 H = 10.30.39 38S 73.5W DEPTH 33 KM. M = 6.5
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		105-32	308	68			170	28					225	17		
	72.2	104-32-27	286.0	72.9	.90S	.43T	188.1	65.9	.95D	.32T	326.0	4.6	228.0	59.8	58.7	29.8
			347.5	33.1	.25S	.97T	184.8	58.1	.16D	.99T	178.1	12.6	269.9	7.9	31.2	75.0
ROTATION ABOUT A,C,B AXIS																
	-24.6		347.5	33.1	.17D	.98T	155.7	57.5	.11S	.99T	160.4	12.3	69.2	5.4	315.9	76.6
	50.2		347.5	33.1	.91S	.43T	236.0	76.6	.51D	.86T	212.7	25.4	318.3	29.6	89.4	49.2
	-57.6		287.5	70.6	.83S	.56T	184.8	58.1	.92D	.39T	323.8	8.0	223.7	51.4	60.0	37.5
	19.2		23.1	33.2	.27D	.96T	184.8	58.1	.17S	.99T	192.0	12.6	100.1	8.4	337.2	74.8
	-16.0		352.8	48.7	.18S	.98T	188.6	42.4	.20D	.98T	.3	3.2	269.9	7.9	112.1	81.5
	19.2		329.0	15.2	.53S	.85T	181.7	77.1	.14D	.99T	175.0	31.6	269.9	7.9	12.3	57.2
			CONE A		52 EXA	.54	CONE C		51 EXC	.53			CONE B		76 EXB	.03

541
MAY 22, 1960 H = 10.32.42 37.5S 73W DEPTH 33 KM. M = 7.2
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		81-19	306	69			120	21					35	2		
	76.9	81-19-17	294.5	70.8	.93S	.37T	197.0	69.4	.94D	.35T	335.5	.9	243.8	61.2	66.0	28.8
			348.6	36.4	.12S	.99T	177.3	54.0	.09D	1.00T	173.6	8.8	264.3	4.2	19.5	80.2
ROTATION ABOUT A,C,B AXIS																
	-56.6		348.6	36.4	.76D	.65T	113.1	67.4	.49S	.87T	134.3	17.3	35.2	26.8	253.3	57.3
	50.2		348.6	36.4	.84S	.54T	231.2	71.3	.53D	.85T	207.9	20.0	310.0	29.9	89.2	52.8
	-57.6		284.2	68.3	.77S	.63T	177.3	54.0	.89D	.46T	317.8	8.9	218.5	46.0	56.1	42.6
	64.0		67.7	65.3	.76D	.65T	177.3	54.0	.86S	.52T	34.8	6.9	131.5	43.8	297.8	45.4
	-19.2		351.4	55.5	.09S	1.00T	180.3	34.9	.13D	.99T	355.1	10.3	264.3	4.2	152.5	78.8
	19.2		340.9	17.4	.24S	.97T	175.5	73.1	.08D	1.00T	172.1	28.0	264.3	4.2	2.1	61.7
			CONE A	68	EXA	.68	CONE C	64	EXC	.64			CONE B	114	EXB	.12

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	76.9	81-20-20	157.7	72.6	.90S	.45T	59.3	64.9	.94D	.33T	197.2	5.1	98.8	58.7	290.2	30.8
			207.5	54.7	.09S	1.00T	36.0	35.6	.12D	.99T	211.1	9.6	120.4	4.0	8.0	79.6
ROTATION ABOUT A,C,B AXIS																
	-63.0		207.5	54.7	.85D	.53T	317.3	64.4	.77S	.64T	350.4	5.9	254.7	43.9	86.5	45.5
	56.6		207.5	54.7	.88S	.48T	100.1	67.1	.78D	.63T	66.3	7.7	164.3	45.9	329.1	43.1
	-57.6		147.2	75.5	.54S	.84T	36.0	35.6	.90D	.43T	171.9	23.4	66.4	31.7	291.6	48.8
	64.0		278.2	71.6	.51D	.86T	36.0	35.6	.84S	.54T	255.4	20.6	357.5	29.2	135.4	53.0
	-19.2		209.2	73.9	.07S	1.00T	43.9	16.6	.24D	.97T	212.6	28.8	120.4	4.0	23.2	60.9
	22.4		204.0	32.5	.13S	.99T	32.9	57.9	.08D	1.00T	29.5	12.8	120.4	4.0	227.5	76.6
			CONE A	71	EXA	.66	CONE C	71	EXC	.65			CONE B	121	EXB	.02

542
* MAY 26, 1960 H = 05.10.11 40.6N 20.6E DEPTH 25 KM.
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	81.1	29-6-5	1.1	81.7	.84S	.54T	265.8	57.5	.99D	.17T	39.3	16.1	283.7	56.2	138.4	28.8
			2.7	82.0	.83S	.56T	267.4	56.6	.99D	.17T	40.6	16.9	284.5	55.4	140.4	29.2
ROTATION ABOUT A,C,B AXIS																
	-5.4		2.7	82.0	.78S	.63T	266.3	51.3	.98D	.18T	38.4	20.1	282.4	50.2	142.0	32.7
	1.0		2.7	82.0	.84S	.54T	267.6	57.6	.99D	.16T	41.0	16.3	284.9	56.4	140.1	28.5
	-22.4		170.3	79.3	.83S	.56N	267.4	56.6	.98D	.22N	33.7	31.4	245.0	54.5	133.0	14.9
	8.0		7.3	75.4	.82S	.57T	267.4	56.6	.95D	.30T	43.9	12.2	297.4	52.7	142.5	34.6
	-0.1		2.8	82.1	.83S	.56T	267.5	56.6	.99D	.17T	40.8	17.0	284.5	55.4	140.6	29.1
	5.6		358.0	78.9	.84S	.54T	260.9	57.7	.97D	.23T	35.7	14.0	284.5	55.4	134.2	30.9
			CONE A	13	EXA	.81	CONE C	6	EXC	.11			CONE B	14	EXB	.79

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	78.3	29-5-5	346.6	64.7	.80S	.59N	94.2	57.5	.86D	.51N	217.7	43.1	46.6	46.6	311.9	4.5
			342.4	60.3	.61S	.80N	105.4	46.3	.73D	.69N	214.4	57.0	51.8	31.8	316.8	7.9
ROTATION ABOUT A,C,B AXIS																
	-31.0		342.4	60.3	.11S	.99N	149.9	30.3	.19D	.98N	178.8	73.9	69.3	5.5	337.8	15.1
	31.0		342.4	60.3	.93S	.37N	83.6	71.2	.85D	.52N	215.9	35.3	21.2	53.8	120.9	7.0
	-2.4		340.2	58.9	.59S	.81N	105.4	46.3	.70D	.71N	213.5	58.7	49.5	30.3	315.3	7.1
	12.8		353.3	68.5	.67S	.74N	105.4	46.3	.86D	.51N	218.9	48.4	65.1	38.5	324.3	13.3
	-3.2		344.7	57.8	.62S	.78N	108.5	48.5	.70D	.71N	220.2	57.7	51.8	31.8	318.5	5.3
	5.6		338.7	64.8	.58S	.81N	99.4	42.6	.78D	.63N	204.9	55.2	51.8	31.8	313.8	12.7
			CONE A		12 EXA	.42	CONE C		23 EXC	.86			CONE B		31 EXB	.75

543
JUNE 6, 1960 H = 05.55.44 45.5S 73.5W DEPTH 33 KM. M = 6.7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		79	-	-			-	-					-	-		
	76.1	79-23-18	157.6	54.4	1.00S	.03T	66.5	88.5	.81D	.58T	27.8	23.1	154.4	54.4	286.1	25.4
			158.0	24.8	1.00S	.06T	64.8	88.5	.42D	.91T	42.6	38.6	154.1	24.7	268.0	41.4
ROTATION ABOUT A,C,B AXIS																
	-7.0		158.0	24.8	.98S	.18T	58.4	85.6	.41D	.91T	37.2	36.0	146.4	24.3	262.4	44.1
	.2		158.0	24.8	1.00S	.06T	65.0	88.6	.42D	.91T	42.7	38.7	154.3	24.7	268.1	41.3
	-44.8		155.3	69.5	1.00S	.03T	64.8	88.5	.94D	.35T	21.9	13.2	150.8	69.5	288.2	15.4
	64.0		333.0	39.3	1.00D	.04T	64.8	88.5	.63S	.77T	96.6	31.9	336.0	39.3	211.9	34.4
	-2.4		163.7	25.0	.99S	.15T	65.8	86.3	.42D	.91T	44.2	36.5	154.1	24.7	269.8	43.3
	.1		157.8	24.8	1.00S	.06T	64.7	88.6	.42D	.91T	42.5	38.7	154.1	24.7	267.9	41.3
			CONE A		16 EXA	.98	CONE C		4 EXC	.65			CONE B		28 EXB	.93

544
JUNE 20, 1960 H = 02.01.08 38S 73.5W DEPTH 33 KM. M = 6.7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		94-21	257	83			165	73					189	71		
	82.3	94-20-16	255.5	83.4	.95S	.32T	163.3	71.7	.99D	.12T	298.1	8.1	184.5	70.5	30.7	17.6
			255.2	83.3	.95S	.32T	163.0	71.6	.99D	.12T	297.7	8.1	184.3	70.3	30.4	17.8
ROTATION ABOUT A,C,B AXIS																
	-3.0		255.2	83.3	.93S	.37T	162.6	68.6	.99D	.12T	297.1	10.1	181.6	67.5	30.8	19.9
	4.6		255.2	83.3	.97S	.24T	163.6	76.2	.99D	.12T	298.6	4.9	190.3	74.6	29.9	14.5
	-1.6		254.7	84.8	.95S	.32T	163.0	71.6	1.00D	.09T	297.4	9.2	179.8	70.8	30.2	16.7
	0		255.2	83.3	.95S	.32T	163.0	71.6	.99D	.12T	297.7	8.1	184.3	70.3	30.4	17.8
	-0.9		256.1	83.6	.95S	.32T	163.9	71.5	.99D	.12T	298.6	8.4	184.3	70.3	31.3	17.7
	0		255.2	83.3	.95S	.32T	163.0	71.6	.99D	.12T	297.7	8.1	184.3	70.3	30.4	17.8
			CONE A		1 EXA	.44	CONE C		3 EXC	.88			CONE B		3 EXB	.79

545
JUNE 20, 1960 H = 12.59.40 39.5S 73W DEPTH 33 KM. M = 6.7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		97	-	-			-	-					-	-		
	83.6	97-18-14	279.1	72.9	.91S	.42T	181.3	66.1	.95D	.32T	319.1	4.5	221.3	60.0	51.7	29.6
			331.2	36.9	.27S	.96T	170.3	54.6	.20D	.98T	162.1	9.0	253.6	9.2	28.6	77.1
ROTATION ABOUT A,C,B AXIS																
	-18.2		331.2	36.9	.05D	1.00T	147.8	53.1	.04S	1.00T	149.2	8.1	59.0	1.6	317.9	81.7
	63.0		331.2	36.9	.98S	.20T	231.9	83.1	.59D	.81T	203.3	28.7	316.8	36.1	85.4	40.5
	-64.0		268.9	78.1	.81S	.59T	170.3	54.6	.97D	.25T	305.1	15.3	194.6	52.1	45.6	33.7
	25.6		14.0	37.8	.33D	.94T	170.3	54.6	.25S	.97T	180.4	8.6	88.6	11.6	306.0	75.5
	-16.0		336.5	52.5	.20S	.98T	175.2	39.0	.25D	.97T	344.7	6.8	253.6	9.2	110.8	78.5
	16.0		319.8	21.9	.43S	.90T	167.0	70.3	.17D	.99T	159.3	24.7	253.6	9.2	2.5	63.4
			CONE A	54 EXA	.64		* CONE C	51 EXC	.61				CONE B	85 EXB	.09	

546
JULY 25, 1960 H = 11.12.00 54N 159E DEPTH 100 KM. M = 6.7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.
STAUDER, W., S.J. 1962 BULL. SEIS. SOC. AM., 52, 527.
STEVENS, A.E. 1965 DOCTORAL THESIS, U. OF WESTERN ONTARIO

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STEVENS		S - SOLN.	150	47			36	66					106	37		
HODGSON		161-29	179	25			297	78					212	21		
ALTER.		161-28	178	53			75	73					145	48		
	86.2	161-26-19	56.4	67.7	.87S	.49N	158.4	62.9	.91D	.43N	286.0	36.1	112.5	53.7	18.3	3.1
			94.0	77.7	.06S	1.00N	258.8	12.7	.26D	.97N	278.3	57.2	183.3	3.2	91.2	32.6
ROTATION ABOUT A,C,B AXIS																
	-56.6		94.0	77.7	.80D	.60N	355.0	54.3	.97S	.26N	230.6	34.3	19.9	51.6	129.9	15.2
	37.4		94.0	77.7	.65S	.76N	197.9	42.2	.95D	.32N	312.6	42.4	173.6	39.6	64.2	21.9
	-3.2		90.7	77.6	.05S	1.00N	258.8	12.7	.20D	.98N	274.1	57.3	180.2	2.5	88.6	32.6
	3.2		97.3	77.9	.07S	1.00N	258.8	12.7	.31D	.95N	282.4	56.9	186.4	3.9	93.9	32.8
	-1.0		94.0	76.7	.06S	1.00N	259.9	13.7	.24D	.97N	278.5	58.2	183.3	3.2	91.3	31.6
	.8		93.9	78.5	.06S	1.00N	257.8	11.9	.27D	.96N	278.1	56.4	183.3	3.2	91.2	33.4
			CONE A	3 EXA	.72		CONE C	13 EXC	.98				CONE B	25 EXB	.93	

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		57	-	-			300	80					120	55		
	90.9	57-5-5	42.4	48.8	.97S	.24T	303.3	79.7	.74D	.67T	269.3	19.8	22.0	47.0	163.9	36.3
			197.3	13.7	1.00D	.10T	292.6	88.7	.24S	.97T	305.5	42.1	202.9	13.6	99.1	44.7
ROTATION ABOUT A,C,B AXIS																
	-8.6		197.3	13.7	1.00D	.05N	104.3	89.3	.24S	.97N	297.8	44.1	194.1	13.7	91.1	42.7
	21.4		197.3	13.7	.89D	.45T	313.5	83.9	.21S	.98T	324.4	37.7	224.8	12.2	120.1	49.7
	-64.0		23.7	50.4	1.00S	.03T	292.6	88.7	.77D	.64T	255.3	25.7	21.0	50.4	150.6	27.8
	44.8		201.8	58.4	1.00D	.03T	292.6	88.7	.85S	.52T	332.7	20.7	204.7	58.4	71.8	22.7
	-9.6		163.6	17.4	.79D	.62T	290.3	79.4	.24S	.97T	301.9	33.0	202.9	13.6	93.7	53.6
	5.6		220.5	14.3	.96D	.29N	113.9	85.9	.24S	.97N	308.1	47.4	202.9	13.6	101.4	39.4
			CONE A	41 EXA	.86		CONE C	21 EXC	.49				CONE B	57 EXB	.72	

COMBINATION OF HODGSON AND STAUDER. IN CASES OF DISAGREEMENT OF DATA THOSE OF STAUDER ARE TAKEN TO BE CORRECT.

	SCORE	OBSERVED	PLANE A		A COMPONENT		PLANE C		C COMPONENT		P AXIS		B AXIS		T AXIS	
			AZ	DIP	STRIKE	DIP	AZ	DIP	STRIKE	DIP	AZ	PL	AZ	PL	AZ	PL
	86.1	174-27-21	53.7	67.6	.95S	.31N	150.7	73.4	.92D	.40N	283.3	28.1	94.1	61.6	191.3	3.9
			50.7	66.7	.94S	.34N	148.7	72.1	.91D	.42N	281.0	29.8	92.7	59.9	188.9	3.6
ROTATION ABOUT A,C,B AXIS																
	-0.4		50.7	66.7	.94S	.34N	148.9	71.7	.91D	.42N	280.9	30.2	93.3	59.6	189.0	3.3
	7.0		50.7	66.7	.98S	.22N	145.8	78.4	.91D	.40N	280.2	25.0	80.2	63.6	186.5	7.9
	-0.5		50.5	66.2	.94S	.34N	148.7	72.1	.91D	.42N	281.0	30.2	92.1	59.5	188.7	3.9
	2.4		51.6	68.9	.94S	.33N	148.7	72.1	.93D	.38N	280.9	28.2	95.8	61.7	189.8	2.1
	-1.0		51.7	66.3	.94S	.33N	149.7	72.5	.91D	.42N	282.2	29.8	92.7	59.9	189.8	4.1
	.5		50.2	66.8	.94S	.34N	148.3	71.8	.91D	.41N	280.3	29.9	92.7	59.9	188.4	3.3
			CONE A		2 EXA	.48	CONE C		3 EXC	.80			CONE B		5 EXB	.61

547

JULY 29, 1960 H = 17.31.40 40.1N 142.3E DEPTH 50 KM. M = 6.7

HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A		A COMPONENT		PLANE C		C COMPONENT		P AXIS		B AXIS		T AXIS	
			AZ	DIP	STRIKE	DIP	AZ	DIP	STRIKE	DIP	AZ	PL	AZ	PL	AZ	PL
HODGSON		166-29	115	69			310	21					27	5		
	85.1	166-28-23	102.7	71.7	.09S	1.00T	299.1	19.0	.27D	.96T	106.9	26.5	14.4	5.0	274.5	62.9
			101.6	71.4	.12S	.99T	302.4	19.8	.34D	.94T	107.0	26.1	13.8	6.6	270.7	63.0
ROTATION ABOUT A,C,B AXIS																
	-1.4		101.6	71.4	.10S	1.00T	298.4	19.4	.27D	.96T	105.9	26.2	13.3	5.2	272.9	63.2
	.6		101.6	71.4	.13S	.99T	304.0	20.0	.36D	.93T	107.5	26.0	14.0	7.1	269.9	62.9
	-0.8		100.7	71.5	.13S	.99T	302.4	19.8	.35D	.94T	106.4	26.2	13.0	6.8	269.6	62.8
	1.0		102.6	71.3	.11S	.99T	302.4	19.8	.32D	.95T	107.7	26.0	14.7	6.2	272.3	63.1
	-0.4		101.6	71.8	.12S	.99T	302.8	19.4	.34D	.94T	107.1	26.5	13.8	6.6	270.9	62.6
	1.6		101.3	69.8	.12S	.99T	300.9	21.3	.31D	.95T	106.8	24.5	13.8	6.6	269.7	64.5
			CONE A		2 EXA	.10	CONE C		2 EXC	.00			CONE B		2 EXB	.10

548

OCTOBER 7, 1960 H = 15.18.31 7.4S 130.7E DEPTH 45 KM. M = 6.7

HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A		A COMPONENT		PLANE C		C COMPONENT		P AXIS		B AXIS		T AXIS	
			AZ	DIP	STRIKE	DIP	AZ	DIP	STRIKE	DIP	AZ	PL	AZ	PL	AZ	PL
HODGSON		98-27	148	67			49	69					101	58		
	73.7	98-27-22	148.8	67.3	.93S	.37T	50.0	69.9	.91D	.41T	9.9	1.7	102.7	58.9	278.8	31.0
			149.3	58.7	.87S	.49T	42.8	65.0	.82D	.57T	7.4	3.9	101.8	48.0	273.9	41.7
ROTATION ABOUT A,C,B AXIS																
	-0.6		149.3	58.7	.86S	.50T	42.5	64.6	.82D	.58T	7.1	3.7	101.1	47.6	273.7	42.2
	5.4		149.3	58.7	.91S	.41T	46.1	69.5	.83D	.56T	9.9	6.9	108.5	51.2	274.5	38.0
	-8.0		145.0	65.7	.89S	.46T	42.8	65.0	.89D	.45T	183.8	.4	93.2	53.9	274.1	36.1
	0		149.3	58.7	.87S	.49T	42.8	65.0	.82D	.57T	7.4	3.9	101.8	48.0	273.9	41.7
	-0.4		149.7	58.9	.87S	.50T	43.2	64.8	.82D	.57T	7.7	3.7	101.8	48.0	274.4	41.8
	.1		149.2	58.6	.87S	.49T	42.8	65.1	.82D	.57T	7.3	4.0	101.8	48.0	273.7	41.7
			CONE A		2 EXA	.94	CONE C		2 EXC	.92			CONE B		7 EXB	.25

549
* OCTOBER 8, 1960 H = 05.53.01 40.0N 129.7E DEPTH 600 KM. M = 6.7
RITSEMA, A.R. 1965 BULL. EQ. RES. INST., 43, 39, DATA SUPPLIED BY THE AUTHOR.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	COMPONENT STRIKE	COMPONENT DIP	PLANE C AZ	PLANE C DIP	COMPONENT STRIKE	COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
RITSEMA		70	74	31			304	69					25	21		
	96.5	70-3-2	63.7	39.5	.75S	.66T	299.3	65.0	.52D	.85T	276.8	14.3	14.7	28.4	163.1	57.6
			89.3	20.8	.53S	.85T	303.2	72.5	.20D	.98T	294.2	26.6	29.7	10.9	139.9	60.9
ROTATION ABOUT A,C,B AXIS																
	-2.6		89.3	20.8	.49S	.87T	300.5	72.0	.18D	.98T	292.2	26.3	27.2	10.1	136.4	61.6
	7.0		89.3	20.8	.63S	.78T	310.3	74.0	.23D	.97T	299.5	27.8	36.5	13.0	148.9	58.8
	-38.4		47.4	52.0	.92S	.38T	303.2	72.5	.76D	.64T	269.5	12.9	13.6	46.8	168.4	40.3
	32.0		174.5	26.8	.74D	.67T	303.2	72.5	.35S	.94T	319.0	24.7	219.6	19.6	95.5	57.6
	-11.2		100.9	30.8	.37S	.93T	305.7	61.5	.22D	.98T	296.6	15.7	29.7	10.9	153.2	70.8
	.1		89.1	20.7	.53S	.85T	303.2	72.6	.20D	.98T	294.1	26.7	29.7	10.9	139.8	60.8
			CONE A	28 EXA	.84		CONE C	10 EXC	.15				CONE B	26 EXB	.86	

550
OCTOBER 22, 1960 H = 08.22.01 10.3S 161.2E DEPTH 93 KM. M = 6.5
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	COMPONENT STRIKE	COMPONENT DIP	PLANE C AZ	PLANE C DIP	COMPONENT STRIKE	COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		78-15	131	88			39	62					45	62		
	76.6	78-15-15	46.8	60.5	1.00S	.00N	136.8	89.9	.87D	.49N	275.8	20.5	47.0	60.5	177.8	20.3
			47.5	57.1	1.00S	.00N	137.6	89.8	.84D	.54N	277.5	22.8	47.9	57.1	177.6	22.4
ROTATION ABOUT A,C,B AXIS																
	-0.2		47.5	57.1	1.00S	.01N	137.7	89.6	.84D	.54N	277.6	22.9	48.3	57.1	177.6	22.3
	1.0		47.5	57.1	1.00S	.01T	317.1	89.4	.84D	.54T	277.2	22.1	46.1	57.1	177.2	23.1
	-76.8		228.2	19.7	1.00D	.01N	137.6	89.8	.34S	.94N	336.3	41.9	227.5	19.7	119.0	41.5
	11.2		47.5	68.3	1.00S	.00N	137.6	89.8	.93D	.37N	274.7	15.3	48.1	68.3	180.5	15.0
	-2.0		49.9	57.1	1.00S	.02T	319.3	89.1	.84D	.54T	279.5	21.9	47.9	57.1	179.5	23.3
	1.4		45.8	57.1	1.00S	.02N	136.4	89.0	.84D	.54N	276.2	23.3	47.9	57.1	176.2	21.9
			CONE A	17 EXA	.96		CONE C	2 EXC	.65				CONE B	10 EXB	.99	

551
* NOVEMBER 5, 1960 H = 20.20.53 39.4N 20.5E DEPTH 49 KM.
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	COMPONENT STRIKE	COMPONENT DIP	PLANE C AZ	PLANE C DIP	COMPONENT STRIKE	COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	82.3	20-3-2	346.4	75.3	1.00S	.05T	255.6	87.1	.97D	.25T	211.9	8.3	334.7	75.0	120.1	12.4
			161.9	84.4	1.00S	.03T	71.7	88.2	1.00D	.10T	26.9	2.7	143.8	84.1	296.7	5.3
ROTATION ABOUT A,C,B AXIS																
	-15.0		161.9	84.4	.97S	.23N	253.2	76.9	.99D	.10N	26.9	13.3	229.1	75.7	118.1	5.2
	24.6		161.9	84.4	.90S	.45T	69.1	63.7	.99D	.11T	202.6	14.1	83.1	63.0	298.6	22.5
	-0.4		161.9	84.0	1.00S	.03T	71.7	88.2	.99D	.11T	26.9	3.0	144.9	83.7	296.6	5.6
	25.6		341.0	70.1	1.00S	.03N	71.7	88.2	.94D	.34N	208.1	15.3	346.7	70.0	114.6	12.6
	-14.4		176.3	85.0	1.00S	.06T	86.0	86.8	1.00D	.09T	41.3	1.3	143.8	84.1	311.1	5.8
	5.6		156.3	84.2	1.00S	.02T	66.1	88.7	.99D	.10T	21.3	3.2	143.8	84.1	291.0	5.0
			CONE A	23 EXA	.23		CONE C	28 EXC	.49				CONE B	32 EXB	.34	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	84.5	20-3-2	324.0	72.7	.82S	.57N	65.6	57.3	.94D	.35N	190.4	36.3	30.6	51.9	287.7	9.9
			328.0	71.0	.60S	.80N	81.5	40.7	.87D	.50N	189.1	50.0	44.4	34.4	301.6	17.8
ROTATION ABOUT A,C,B AXIS																
	-18.2		328.0	71.0	.32S	.95N	102.2	26.2	.68D	.74N	174.4	59.8	51.8	17.4	313.8	23.8
	21.4		328.0	71.0	.85S	.53N	69.4	60.0	.93D	.38N	195.6	35.7	30.4	53.4	290.7	7.1
	-14.4		315.0	62.9	.52S	.85N	81.5	40.7	.72D	.70N	181.2	59.1	29.4	27.8	292.7	12.4
	11.2		337.1	77.9	.63S	.78N	81.5	40.7	.95D	.32N	194.9	43.2	57.5	38.1	308.2	22.8
	-9.6		334.4	63.4	.63S	.78N	93.1	46.1	.78D	.62N	203.4	53.8	44.4	34.4	307.4	10.0
	11.2		321.2	80.1	.57S	.82N	65.0	36.2	.96D	.29N	175.4	43.8	44.4	34.4	294.2	26.7
			CONE A	23 EXA	.19		CONE C	29 EXC	.47				CONE B	32 EXB	.35	

552
NOVEMBER 13, 1960 H = 09.20.37 51.1N 168.8W DEPTH 65 KM. M = 7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		167-24	-	-			-	-					-	-		
	86.5	166-24-21	231.8	58.4	.83S	.55N	341.0	61.8	.80D	.59N	107.8	44.7	283.6	45.2	15.7	2.1
			180.5	51.5	.05S	1.00N	355.6	38.6	.07D	1.00N	18.9	83.1	268.6	2.4	178.3	6.5
ROTATION ABOUT A,C,B AXIS																
	-37.4		180.5	51.5	.56D	.83N	48.1	49.8	.58S	.82N	295.9	63.8	113.6	26.2	204.1	.9
	37.4		180.5	51.5	.65S	.76N	306.7	53.5	.63D	.78N	65.1	59.5	242.5	30.5	333.2	1.1
	-38.4		134.2	59.1	.41D	.91N	355.6	38.6	.57S	.82N	267.5	66.3	57.3	20.8	151.5	10.9
	32.0		218.4	59.6	.42S	.91N	355.6	38.6	.59D	.81N	84.6	65.6	295.0	21.4	200.5	11.2
	-22.4		182.9	29.1	.09S	1.00N	357.3	61.0	.05D	1.00N	170.3	73.8	268.6	2.4	359.3	16.0
	9.6		179.9	61.0	.05S	1.00N	354.3	29.1	.09D	1.00N	6.9	73.8	268.6	2.4	177.9	16.0
			CONE A	47 EXA	.55		CONE C	49 EXC	.57				CONE B	73 EXB	.06	

THE ABOVE SOLN. REPRESENTS UNDEFINED CENTRAL COMPRESSIONAL CIRCLES.

553
DECEMBER 3, 1960 H = 04.24.19 42.9 N 104.4E DEPTH 60 KM. M = 7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		123-24	-	-			-	-					-	-		
	83.3	123-24-18	8.4	61.9	.38S	.92T	229.7	35.4	.58D	.81T	24.6	14.1	289.4	19.7	147.8	65.4
			5.4	43.9	.04D	1.00T	182.3	46.2	.04S	1.00T	183.8	1.2	93.8	1.5	311.3	88.1
ROTATION ABOUT A,C,B AXIS																
	-24.6		5.4	43.9	.45D	.89T	150.3	51.8	.40S	.92T	166.8	4.1	75.4	18.2	269.1	71.3
	15.0		5.4	43.9	.22S	.98T	202.8	47.5	.21D	.98T	194.4	1.8	284.7	8.8	92.8	81.0
	-38.4		315.7	54.4	.52S	.85T	182.3	46.2	.59D	.81T	337.5	4.5	245.4	25.2	76.9	64.4
	28.8		43.2	51.8	.47D	.88T	182.3	46.2	.51S	.86T	23.6	3.0	114.8	21.8	286.2	68.0
	-19.2		4.6	63.1	.03D	1.00T	180.7	27.0	.06S	1.00T	3.3	18.1	93.8	1.5	188.4	71.9
	2.4		5.5	41.5	.04D	1.00T	182.4	48.6	.04S	1.00T	183.9	3.6	93.8	1.5	341.0	86.1
			CONE A	38 EXA	.68		CONE C	29 EXC	.45				CONE B	52 EXB	.41	

THE ABOVE SOLN. REPRESENTS UNDEFINED CENTRAL DILATATIONAL CIRCLES.

554
JANUARY 5, 1961 H = 15.53.56 4.1S 143.0E DEPTH 108 KM. M = 6.7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		58-13	175	67			85	88					171	67		
	80.6	58-13-10	174.4	74.4	1.00S	.05T	83.7	87.5	.96D	.27T	40.1	9.2	164.8	74.2	308.0	12.8
			175.7	66.6	1.00S	.06T	84.4	86.9	.92D	.40T	42.4	14.0	167.3	66.4	307.6	18.6
ROTATION ABOUT A,C,B AXIS																
	-1.4		175.7	66.6	1.00S	.08T	83.8	85.6	.92D	.40T	42.2	13.1	163.9	66.2	307.4	19.5
	2.6		175.7	66.6	1.00S	.01T	85.4	89.3	.92D	.40T	43.0	15.8	173.8	66.6	308.1	16.8
	-9.6		175.1	76.2	1.00S	.06T	84.4	86.9	.97D	.24T	40.6	7.5	162.0	75.8	309.0	12.0
	7.2		176.2	59.4	1.00S	.06T	84.4	86.9	.86D	.51T	44.4	18.8	169.2	59.2	306.0	23.5
	-2.8		178.7	66.8	1.00S	.08T	87.0	85.8	.92D	.39T	45.1	13.1	167.3	66.4	310.5	19.3
	1.8		173.7	66.5	1.00S	.04T	82.7	87.6	.92D	.40T	40.7	14.6	167.3	66.4	305.8	18.1
			CONE A		9 EXA	.73	CONE C*		4 EXC	.13			CONE B		8 EXB	.76

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	78.4	58-14-11	269.5	88.1	.05S	1.00N	31.0	3.6	.85D	.52N	92.7	46.8	359.4	3.1	266.5	43.0
			269.8	87.9	.05S	1.00N	36.6	3.5	.80D	.60N	92.7	47.0	359.7	2.8	267.1	42.8
ROTATION ABOUT A,C,B AXIS																
	-50.2		269.8	87.9	.74D	.68N	177.9	47.4	1.00S	.05N	52.7	30.3	182.1	47.4	305.5	26.9
	50.2		269.8	87.9	.80S	.60N	1.4	53.0	1.00D	.05N	129.0	26.9	357.0	52.9	231.8	23.6
	-1.2		268.6	87.9	.05S	1.00N	36.6	3.5	.79D	.62N	91.4	47.0	358.5	2.7	266.0	42.8
	.2		270.0	87.9	.05S	1.00N	36.6	3.5	.80D	.60N	92.9	47.0	359.9	2.8	267.3	42.8
	-1.0		269.9	86.9	.05S	1.00N	47.7	4.2	.67D	.74N	92.8	48.0	359.7	2.8	267.2	41.8
	.1		269.8	88.0	.05S	1.00N	35.3	3.4	.81D	.58N	92.7	46.9	359.7	2.8	267.1	42.9
			CONE A		1 EXA	.21	CONE C		11 EXC	.99			CONE B		12 EXB	.99

555
JANUARY 16, 1961 H = 07.20.13 36.2N 141.7E DEPTH 41 KM. M = 6.7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		135-30	135	87			347	3					45	2		
	81.7	135-30-25	199.1	2.6	.86S	.51N	319.7	88.7	.04D	1.00N	137.4	46.3	229.7	2.2	321.8	43.7
			202.2	2.5	.89S	.45N	319.0	88.9	.04D	1.00N	136.8	46.1	229.1	2.2	321.2	43.9
ROTATION ABOUT A,C,B AXIS																
	-0.4		202.2	2.5	.89S	.46N	319.4	88.9	.04D	1.00N	137.2	46.1	229.5	2.2	321.6	43.9
	2.2		202.2	2.5	.91S	.42N	316.8	89.0	.04D	1.00N	134.6	46.0	226.9	2.2	319.0	44.0
	-0.4		197.3	2.1	.85S	.53N	319.0	88.9	.03D	1.00N	137.2	46.1	229.1	1.8	320.8	43.9
	.7		208.1	3.1	.93S	.36N	319.0	88.9	.05D	1.00N	136.1	46.0	229.1	2.9	321.9	43.8
	0		202.2	2.5	.89S	.45N	319.0	88.9	.04D	1.00N	136.8	46.1	229.1	2.2	321.2	43.9
	.4		194.5	2.7	.82S	.57N	319.0	88.5	.04D	1.00N	136.8	46.5	229.1	2.2	321.2	43.5
			CONE A		1 EXA	.64	CONE C		1 EXC	.85			CONE B		2 EXB	.58

WITH ADDITIONAL DATA SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE
OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
83.7	141-29-25	199.1	2.6	.86S	.51N	319.7	88.7	.04D	1.00N	137.4	46.3	229.7	2.2	321.8	43.7
		202.2	2.5	.89S	.45N	319.0	88.9	.04D	1.00N	136.8	46.1	229.1	2.2	321.2	43.9
ROTATION ABOUT A,C,B AXIS															
-0.4		202.2	2.5	.89S	.46N	319.4	88.9	.04D	1.00N	137.2	46.1	229.5	2.2	321.6	43.9
.6		202.2	2.5	.90S	.44N	318.4	88.9	.04D	1.00N	136.2	46.1	228.5	2.2	320.6	43.9
-0.4		197.3	2.1	.85S	.53N	319.0	88.9	.03D	1.00N	137.2	46.1	229.1	1.8	320.8	43.9
.7		208.1	3.1	.93S	.36N	319.0	88.9	.05D	1.00N	136.1	46.0	229.1	2.9	321.9	43.8
0		202.2	2.5	.89S	.45N	319.0	88.9	.04D	1.00N	136.8	46.1	229.1	2.2	321.2	43.9
.2		198.2	2.6	.86S	.51N	319.0	88.7	.04D	1.00N	136.8	46.3	229.1	2.2	321.2	43.7
		CONE A	0 EXA	.82		CONE C	0 EXC	.80				CONE B	1 EXB	.09	

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
83.6	141-29-25	136.6	87.9	.02S	1.00T	339.8	2.3	.39D	.92T	137.4	42.9	46.6	.9	315.6	47.1
		133.5	86.7	.04S	1.00T	348.4	4.0	.57D	.82T	135.6	41.7	43.6	2.3	311.0	48.3
ROTATION ABOUT A,C,B AXIS															
-1.8		133.5	86.7	.01S	1.00T	322.2	3.4	.15D	.99T	133.9	41.7	43.5	.5	312.9	48.3
.2		133.5	86.7	.04S	1.00T	350.7	4.2	.60D	.80T	135.8	41.6	43.6	2.5	310.8	48.2
-2.8		130.7	86.8	.04S	1.00T	348.4	4.0	.61D	.79T	133.0	41.7	40.8	2.5	308.0	48.1
1.8		135.3	86.6	.04S	1.00T	348.4	4.0	.54D	.84T	137.4	41.6	45.4	2.2	312.9	48.4
-0.4		133.5	87.1	.04S	1.00T	351.9	3.7	.62D	.78T	135.7	42.1	43.6	2.3	311.1	47.9
.6		133.5	86.1	.04S	1.00T	344.1	4.5	.51D	.86T	135.6	41.1	43.6	2.3	311.0	48.9
		CONE A	2 EXA	.78		CONE C	1 EXC	.50				CONE B	3 EXB	.57	

556
JANUARY 20, 1961 H = 17.09.16 56.6N 152.3W DEPTH 46 KM. M = 6.7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		48-9	37	71			301	72					351	63		
	85.6	48-8-6	299.8	75.3	.94S	.34N	35.0	71.0	.96D	.27N	166.6	24.2	354.4	65.6	258.0	2.9
			299.8	75.3	.94S	.34N	35.0	71.0	.96D	.27N	166.6	24.2	354.4	65.6	258.0	2.9
ROTATION ABOUT A,C,B AXIS																
-1.0			299.8	75.3	.94S	.35N	35.2	70.0	.96D	.27N	166.5	24.9	355.8	64.8	258.2	3.6
3.0			299.8	75.3	.96S	.29N	34.1	73.9	.96D	.26N	166.8	22.1	349.5	67.9	257.1	1.0
-0.4			299.6	74.9	.94S	.34N	35.0	71.0	.96D	.28N	166.6	24.4	353.6	65.4	257.8	2.6
2.4			300.6	77.5	.94S	.33N	35.0	71.0	.97D	.23N	166.9	22.5	359.2	67.0	258.7	4.4
-8.0			307.7	72.7	.95S	.30N	43.0	73.3	.95D	.31N	175.5	24.4	354.4	65.6	85.3	.4
1.0			298.8	75.6	.94S	.34N	33.9	70.7	.96D	.26N	165.6	24.1	354.4	65.6	257.1	3.3
			CONE A	5 EXA	.69		CONE C	6 EXC	.56				CONE B	3 EXB	.30	

557
FEBRUARY 12, 1961 H = 21.53.44 43.9N 147.6E DEPTH 45 KM. M = 7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		131-25	134	74			332	17					45	5		
	87.5	131-24-15	135.1	75.7	.11S	.99T	339.2	15.6	.40D	.92T	140.3	30.4	46.7	6.1	306.5	58.8
			135.1	74.6	.13S	.99T	340.8	17.0	.42D	.91T	140.9	29.2	47.0	7.0	304.8	59.8
ROTATION ABOUT A,C,B AXIS																
	-3.0		135.1	74.6	.07S	1.00T	330.9	16.0	.26D	.96T	138.5	29.5	46.2	4.1	309.0	60.2
	.2		135.1	74.6	.13S	.99T	341.5	17.1	.43D	.90T	141.2	29.2	47.1	7.2	304.6	59.7
	-8.0		126.9	75.8	.16S	.99T	340.8	17.0	.54D	.84T	134.5	30.2	39.2	9.1	294.2	58.2
	2.8		138.0	74.3	.11S	.99T	340.8	17.0	.37D	.93T	143.2	29.0	49.7	6.3	308.6	60.2
	-0.7		135.2	75.3	.13S	.99T	341.9	16.4	.43D	.90T	141.1	29.9	47.0	7.0	305.2	59.1
	1.0		134.9	73.6	.13S	.99T	339.5	17.9	.40D	.92T	140.8	28.2	47.0	7.0	304.3	60.7
			CONE A		4 EXA	.84	CONE C		2 EXC	.47	CONE B		6 EXB		.70	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	87.2	131-24-15	151.2	76.8	.01S	1.00T	334.8	13.2	.06D	1.00T	151.9	31.8	61.4	.8	330.1	58.2
			156.0	69.9	.08S	1.00T	349.9	20.6	.23D	.97T	159.8	24.8	67.7	4.5	328.1	64.8
ROTATION ABOUT A,C,B AXIS																
	-6.2		156.0	69.9	.02D	1.00T	332.0	20.1	.06S	1.00T	154.9	24.9	245.5	1.3	338.3	65.1
	50.2		156.0	69.9	.82S	.57T	52.5	57.4	.91D	.41T	191.8	7.9	92.1	50.3	288.1	38.6
	-0.9		155.0	70.0	.09S	1.00T	349.9	20.6	.24D	.97T	159.1	24.8	66.8	4.9	326.4	64.6
	1.2		157.3	69.8	.08S	1.00T	349.9	20.6	.20D	.98T	160.7	24.7	68.8	4.1	330.0	64.9
	-2.0		156.2	71.9	.08S	1.00T	351.3	18.7	.25D	.97T	160.0	26.8	67.7	4.5	328.9	62.8
	.3		156.0	69.6	.08S	1.00T	349.7	20.9	.22D	.98T	159.8	24.5	67.7	4.5	327.9	65.1
			CONE A		2 EXA	.09	CONE C		11 EXC	.96	CONE B		11 EXB		.96	

558
FEBRUARY 26, 1961 H = 18.10.49 31.6N 131.2E DEPTH 54 KM. M = 7.2
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
		172-25	237	47			120	64					189	36		
	89.1	172-25-18	238.1	50.9	.84S	.55T	125.7	64.8	.72D	.70T	94.8	8.3	192.0	40.5	355.4	48.3
			238.1	50.9	.84S	.55T	125.7	64.8	.72D	.70T	94.8	8.3	192.0	40.5	355.4	48.3
ROTATION ABOUT A,C,B AXIS																
	-1.0		238.1	50.9	.83S	.56T	124.9	64.1	.71D	.70T	94.3	7.9	190.9	39.9	355.1	49.0
	0		238.1	50.9	.84S	.55T	125.7	64.8	.72D	.70T	94.8	8.3	192.0	40.5	355.4	48.3
	-6.4		233.9	56.4	.86S	.51T	125.7	64.8	.79D	.61T	91.6	5.2	186.9	45.7	356.6	43.8
	.6		238.5	50.4	.83S	.55T	125.7	64.8	.71D	.70T	95.1	8.6	192.4	40.0	355.2	48.7
	-0.5		238.6	51.2	.83S	.55T	126.1	64.5	.72D	.69T	95.1	8.0	192.0	40.5	356.1	48.4
	0		238.1	50.9	.84S	.55T	125.7	64.8	.72D	.70T	94.8	8.3	192.0	40.5	355.4	48.3
			CONE A		2 EXA	.93	CONE C		1 EXC	.50	CONE B		3 EXB		.86	

559
MARCH 28, 1961 H = 09.35.55 0.2N 123.6E DEPTH 83 KM. M = 6.7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		121-14	121	86			-	-					-	-		
ALTER.		121-12	189	64			87	68					143	55		
	91.4	121-14-10	198.8	42.5	.96S	.29T	96.3	78.8	.66D	.75T	65.9	22.6	176.6	40.3	314.6	41.2
			266.5	31.5	.67S	.74T	133.5	67.3	.38D	.92T	116.8	19.3	214.4	20.6	347.4	61.2
ROTATION ABOUT A,C,B AXIS																
	-15.0		266.5	31.5	.46S	.89T	117.8	62.4	.27D	.96T	106.3	16.0	200.4	13.9	329.5	68.6
	31.0		266.5	31.5	.96S	.29T	162.2	81.4	.51D	.86T	137.9	29.8	247.2	30.0	12.7	45.1
	-38.4		235.6	63.3	.90S	.43T	133.5	67.3	.87D	.49T	95.3	2.6	188.8	53.7	3.4	36.2
	64.0		20.0	46.3	.85D	.53T	133.5	67.3	.66S	.75T	162.1	12.4	62.3	37.8	267.1	49.5
	-9.6		276.8	39.0	.56S	.83T	137.7	58.5	.41D	.91T	120.5	10.4	214.4	20.6	5.3	66.7
	22.4		219.9	20.7	1.00S	.09T	125.1	88.2	.35D	.94T	106.2	39.7	214.4	20.6	325.0	43.1
			CONE A		57 EXA	.69		CONE C		38 EXC .30			CONE B		69 EXB	.55

560
* MAY 23, 1961 H = 02.45.19 38.6N 28.7E DEPTH 72 KM. M = 6.2
DATA FROM S. B. UCER, KANDILLI OBS., SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
UCER	95.4	95-6-4	337.9	25.2	.08S	1.00T	162.8	64.9	.04D	1.00T	161.2	19.9	251.9	1.9	347.1	70.0
			342.2	23.8	.01D	1.00T	161.5	66.2	.01S	1.00T	161.7	21.2	71.6	.3	340.8	68.8
ROTATION ABOUT A,C,B AXIS																
	-6.2		342.2	23.8	.12D	.99T	154.7	66.4	.05S	1.00T	157.0	21.3	65.9	2.8	328.8	68.5
	8.6		342.2	23.8	.14S	.99T	170.8	66.4	.06D	1.00T	168.2	21.3	259.5	3.2	357.6	68.4
	-6.4		326.7	24.5	.23S	.97T	161.5	66.2	.11D	.99T	156.8	21.0	249.0	5.6	353.2	68.2
	6.4		357.7	24.7	.26D	.97T	161.5	66.2	.12S	.99T	166.5	20.9	74.2	6.1	328.8	68.1
	-1.2		342.2	25.0	.01D	1.00T	161.5	65.0	.01S	1.00T	161.7	20.0	71.6	.3	340.8	70.0
	.3		342.2	23.5	.01D	1.00T	161.5	66.5	.01S	1.00T	161.7	21.5	71.6	.3	340.8	68.5
			CONE A		4 EXA	.88		CONE C		5 EXC .90			CONE B		14 EXB	.14

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
94.4	95-7-5	149.9	61.7	.38S	.92T	11.2	35.7	.58D	.81T	166.2	13.8	71.1	19.8	288.9	65.5
		182.5	58.0	.12S	.99T	15.1	32.6	.19D	.98T	187.4	12.8	96.1	5.7	342.5	76.0
ROTATION ABOUT A,C,B AXIS															
-10.2		182.5	58.0	.06D	1.00T	356.0	32.1	.10S	1.00T	180.0	13.0	270.7	2.9	13.1	76.7
.2		182.5	58.0	.12S	.99T	15.5	32.6	.19D	.98T	187.5	12.8	96.2	5.9	341.9	75.9
-25.6		154.1	64.3	.35S	.94T	15.1	32.6	.59D	.81T	169.2	16.8	73.4	18.6	298.5	64.5
22.4		209.0	58.2	.13D	.99T	15.1	32.6	.20S	.98T	203.6	12.9	295.0	6.3	50.5	75.6
-0.2		182.5	58.2	.12S	.99T	15.2	32.4	.19D	.98T	187.4	13.0	96.1	5.7	342.9	75.8
6.4		181.5	51.7	.13S	.99T	13.3	38.9	.16D	.99T	186.7	6.4	96.1	5.7	324.9	81.4
		CONE A		18 EXA	.86		CONE C		8 EXC .37			CONE B		22 EXB	.78

561
JUNE 1, 1961 H = 23.29.21 10.4N 39.9E DEPTH 33 KM.
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		46-14	246	84			-	-					-	-		
	77.3	46-14-B	62.1	84.9	.56S	.83T	324.6	34.4	.99D	.16T	89.7	31.4	335.5	33.9	210.8	40.3
			62.1	81.6	.04D	1.00T	226.2	8.7	.27S	.96T	60.1	36.6	151.8	2.3	244.9	53.3
ROTATION ABOUT A,C,B AXIS																
	-43.8		62.1	81.6	.72D	.69T	160.1	46.8	.98S	.20T	28.7	22.4	143.5	45.5	281.2	36.0
	50.2		62.1	81.6	.74S	.67T	324.6	48.4	.98D	.20T	96.3	21.5	341.2	47.2	202.3	34.9
	-8.0		54.0	81.4	.02D	1.00T	226.2	8.7	.13S	.99T	52.9	36.4	143.8	1.2	235.4	53.6
	7.2		69.4	82.0	.06D	1.00T	226.2	8.7	.39S	.92T	66.3	36.9	158.9	3.4	253.4	52.9
	-3.2		62.0	84.8	.04D	1.00T	217.5	5.7	.41S	.91T	59.9	39.8	151.8	2.3	244.6	50.1
	3.2		62.2	78.4	.04D	1.00T	230.5	11.8	.20S	.98T	60.3	33.4	151.8	2.3	245.3	56.5
			CONE A	10 EXA	.58		CONE C	25 EXC	.93				CONE B	38 EXB	.84	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	76.8	46-13-B	125.3	76.1	.92S	.40T	29.3	67.1	.97D	.26T	166.0	6.0	64.1	62.8	259.0	26.4
			126.7	75.9	.91S	.41T	30.4	66.3	.96D	.27T	167.1	6.4	64.9	62.0	260.4	27.1
ROTATION ABOUT A,C,B AXIS																
	0		126.7	75.9	.91S	.41T	30.4	66.3	.96D	.27T	167.1	6.4	64.9	62.0	260.4	27.1
	1.8		126.7	75.9	.92S	.38T	30.9	68.1	.97D	.26T	167.6	5.3	67.0	63.5	260.2	25.9
	-1.2		126.2	77.0	.91S	.41T	30.4	66.3	.97D	.25T	166.7	7.2	62.6	62.6	260.2	26.3
	11.2		131.8	65.8	.90S	.44T	30.4	66.3	.89D	.45T	351.2	.3	81.7	55.0	261.0	35.0
	-0.5		127.2	76.1	.91S	.42T	30.9	66.2	.97D	.26T	167.5	6.6	64.9	62.0	260.9	27.1
	2.0		124.8	75.1	.91S	.41T	28.3	66.9	.96D	.28T	165.3	5.5	64.9	62.0	258.2	27.4
			CONE A	6 EXA	.80		CONE C	2 EXC	.28				CONE B	5 EXB	.85	

562
JUNE 11, 1961 H = 05.10.26 27.9N 54.6E DEPTH 37 KM. M = 6.5
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		65-14	149	58			39	62					98	45		
ALTER.		65-16	237	40			87	54					166	15		
	78.5	65-17-10	227.1	54.4	.66S	.76T	103.2	52.1	.68D	.74T	254.7	1.3	163.9	32.2	346.8	57.8
			247.6	37.1	.33S	.94T	91.2	55.2	.24D	.97T	81.2	9.2	173.1	11.4	313.1	75.3
ROTATION ABOUT A,C,B AXIS																
	-18.2		247.6	37.1	.02S	1.00T	68.8	52.9	.01D	1.00T	68.3	7.9	158.4	.6	252.7	82.1
	37.4		247.6	37.1	.83S	.55T	129.9	70.6	.53D	.85T	106.3	19.2	208.0	30.2	348.7	53.0
	-32.0		210.1	55.2	.72S	.69T	91.2	55.2	.72D	.70T	330.7	53.8	150.7	36.2	240.7	-0.0
	44.8		317.5	45.2	.59D	.80T	91.2	55.2	.51S	.86T	112.5	5.4	20.0	24.9	214.0	64.4
	-9.6		252.0	46.3	.27S	.96T	94.4	46.0	.28D	.96T	263.1	.2	173.1	11.4	353.9	78.6
	11.2		239.5	26.8	.44S	.90T	88.2	66.1	.22D	.98T	78.9	20.2	173.1	11.4	290.9	66.6
			CONE A	40 EXA	.73		CONE C	34 EXC	.63				CONE B	65 EXB	.28	

563
JULY 18, 1961 H = 14.03.36 29.4N 131.6E DEPTH 21 KM. M = 6.7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		161-23	104	36			301	55					25	8		
	88.1	161-23-17	294.0	53.2	.17S	.98N	97.6	37.9	.23D	.97N	153.5	78.8	18.0	8.0	286.9	7.7
			201.7	45.3	.10D	1.00N	29.7	44.9	.10S	1.00N	298.6	86.0	115.7	4.0	205.7	.2
ROTATION ABOUT A,C,B AXIS																
	-11.8		201.7	45.3	.30D	.95N	45.8	47.3	.29S	.96N	299.2	77.7	124.1	12.3	33.9	1.0
	43.8		201.7	45.3	.62S	.79N	333.5	56.0	.53D	.85N	97.4	63.2	262.8	26.1	355.7	5.8
	-22.4		172.7	51.5	.43D	.90N	29.7	44.9	.47S	.88N	290.0	70.3	99.0	19.4	190.2	3.5
	25.6		236.8	48.4	.32S	.95N	29.7	44.9	.34D	.94N	126.4	76.0	314.1	13.9	223.7	1.8
	-6.4		200.7	39.0	.11D	.99N	28.9	51.3	.09S	1.00N	238.5	82.6	115.7	4.0	25.3	6.2
	9.6		202.8	54.9	.09D	1.00N	31.3	35.4	.12S	.99N	3.7	79.4	115.7	4.0	206.4	9.8
			CONE A		28 EXA	.67	CONE C		30 EXC	.71			CONE B		52 EXB	.14

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	88.3	161-24-18	179.2	59.2	.09S	1.00N	349.7	31.1	.14D	.99N	12.9	75.3	266.7	4.2	175.6	14.1
			200.0	45.2	.13D	.99N	30.6	45.3	.13S	.99N	294.8	84.7	115.3	5.3	25.3	.1
ROTATION ABOUT A,C,B AXIS																
	-10.2		200.0	45.2	.30D	.95N	44.4	47.5	.29S	.96N	297.1	77.4	122.7	12.5	32.4	1.2
	43.8		200.0	45.2	.59S	.81N	333.8	55.1	.51D	.86N	96.5	64.5	262.6	24.8	355.1	5.4
	-32.0		161.1	56.8	.54D	.84N	30.6	45.3	.64S	.77N	285.9	62.2	90.5	26.9	183.7	6.3
	25.6		235.5	47.5	.30S	.95N	30.6	45.3	.31D	.95N	128.3	77.2	313.5	12.7	223.2	1.1
	-6.4		198.6	38.9	.15D	.99N	29.5	51.6	.12S	.99N	244.7	81.7	115.3	5.3	24.7	6.4
	11.2		201.7	56.3	.11D	.99N	33.2	34.2	.17S	.99N	.2	77.7	115.3	5.3	206.3	11.1
			CONE A		32 EXA	.69	CONE C		31 EXC	.67			CONE B		56 EXB	.06

564
AUGUST 11, 1961 H = 15.51.35 43.0N 145.0E DEPTH 50 KM. M = 7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		173-14	92	58			316	41					17	23		
	94.6	173-14-8	79.8	59.0	.67S	.74T	320.3	50.8	.75D	.67T	108.4	4.8	15.0	35.3	205.0	54.3
			110.9	53.5	.30S	.95T	318.6	39.9	.37D	.93T	123.1	7.0	31.4	13.9	239.2	74.4
ROTATION ABOUT A,C,B AXIS																
	-6.2		110.9	53.5	.19S	.98T	309.2	37.9	.25D	.97T	118.9	7.9	27.6	9.0	249.5	78.0
	7.0		110.9	53.5	.41S	.91T	328.2	42.9	.49D	.87T	127.9	5.6	35.9	19.4	233.2	69.7
	-25.6		83.7	64.4	.53S	.85T	318.6	39.9	.74D	.67T	106.1	13.7	8.6	28.3	219.1	58.0
	12.8		126.7	50.7	.13S	.99T	318.6	39.9	.16D	.99T	132.1	5.4	41.5	5.9	264.4	82.0
	-16.0		115.9	68.9	.26S	.97T	332.4	25.6	.55D	.83T	127.3	22.5	31.4	13.9	272.2	63.1
	12.8		105.1	41.4	.36S	.93T	312.6	51.9	.30D	.95T	300.1	5.4	31.4	13.9	189.3	75.0
			CONE A		33 EXA	.25	CONE C		19 EXC	.54			CONE B		23 EXB	.66

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
94.0	173-14-8	109.1	66.5	.18S	.98T	314.3	25.6	.39D	.92T	117.1	20.8	23.4	9.7	269.9	66.8
		103.4	60.3	.32S	.95T	317.4	34.5	.49D	.87T	116.7	13.4	22.8	15.9	245.1	68.9
ROTATION ABOUT A,C,B AXIS															
-6.2		103.4	60.3	.21S	.98T	307.1	31.9	.35D	.94T	112.3	14.5	19.5	10.6	254.5	71.9
8.6		103.4	60.3	.45S	.89T	329.3	39.3	.62D	.78T	122.6	11.3	27.6	23.3	236.6	63.8
-14.4		88.4	65.7	.43S	.90T	317.4	34.5	.69D	.73T	106.8	17.0	9.4	22.9	230.0	60.9
5.6		109.6	58.7	.26S	.96T	317.4	34.5	.40D	.92T	120.6	12.4	27.7	13.0	252.9	71.9
-11.2		107.1	71.0	.29S	.96T	330.2	25.2	.65D	.76T	120.1	24.2	22.8	15.9	262.6	60.5
2.0		102.7	58.4	.32S	.95T	315.7	36.2	.46D	.89T	116.1	11.5	22.8	15.9	240.6	70.2

CONE A 16 EXA .34 CONE C 14 EXC .11 CONE B 17 EXB .26

565
AUGUST 19, 1961 H = 05.09.50 10.8S 71.0W DEPTH 650 KM. M = 7.2
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		126-21	186	79			87	51					109	49		
ALTER.		126-22	208	71			107	62					147	55		
	89.4	126-20-13	90.6	48.9	.96S	.27N	190.9	78.4	.74D	.67N	329.6	37.4	113.4	46.6	224.5	18.8
			102.3	38.6	.72S	.70N	229.5	64.3	.50D	.87N	6.0	59.3	153.4	26.6	250.7	14.2
ROTATION ABOUT A,C,B AXIS																
-2.6			102.3	38.6	.69S	.73N	232.0	63.0	.48D	.88N	7.7	60.9	155.9	25.3	252.4	13.4
24.6			102.3	38.6	.94S	.33N	207.8	78.0	.60D	.80N	351.3	44.4	126.7	36.0	235.5	23.9
-28.8			51.8	25.7	.04S	1.00N	229.5	64.3	.02D	1.00N	47.3	70.7	139.9	.9	230.2	19.3
28.8			124.6	62.0	.87S	.49N	229.5	64.3	.85D	.52N	357.8	39.7	174.8	50.3	266.5	1.5
-9.6			115.2	32.5	.83S	.55N	234.4	72.7	.47D	.88N	20.3	53.8	153.4	26.6	255.5	22.7
2.0			100.1	40.0	.70S	.72N	228.3	62.6	.50D	.86N	2.5	60.2	153.4	26.6	249.8	12.5

CONE A 26 EXA .80 CONE C 18 EXC .57 CONE B 40 EXB .53

566
AUGUST 19, 1961 H = 05.33.31 36.2N 136.5E DEPTH 17 KM. M = 7.5
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		136-16	81	60			289	33					359	13		
ALTER.		136-17	115	31			258	64					176	16		
	90.4	136-16-11	86.7	60.7	.19S	.98T	288.6	31.2	.33D	.95T	94.8	15.0	2.2	9.7	240.4	72.0
			93.8	41.2	.21D	.98T	257.5	50.0	.18S	.98T	265.0	4.4	174.4	8.1	23.5	80.7
ROTATION ABOUT A,C,B AXIS																
-4.6			93.8	41.2	.29D	.96T	251.7	50.9	.25S	.97T	261.8	4.9	170.8	11.1	15.4	77.8
31.0			93.8	41.2	.32S	.95T	297.9	51.4	.27D	.96T	286.9	5.2	18.0	12.1	174.0	76.8
-1.2			92.0	41.0	.19D	.98T	257.5	50.0	.16S	.99T	264.2	4.5	173.6	7.2	26.2	81.5
22.4			122.8	50.1	.54D	.84T	257.5	50.0	.54S	.84T	100.2	.1	190.2	24.7	10.1	65.3
-1.2			93.4	42.4	.21D	.98T	257.2	48.8	.19S	.98T	264.9	3.2	174.4	8.1	16.5	81.3
8.0			96.9	33.4	.26D	.97T	259.2	57.8	.17S	.99T	266.2	12.3	174.4	8.1	51.9	75.2

CONE A 15 EXA .61 CONE C 18 EXC .74 CONE B 29 EXB .34

567
AUGUST 31, 1961 H = 01.48.38 10.6S 70.9W DEPTH 625 KM. M = 7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		113-20	227	65			135	87					219	65		
	87.5	113-20-13	131.1	84.7	.91S	.41N	223.4	65.8	.99D	.10N	354.6	20.8	209.5	65.2	89.6	13.0
			138.2	72.4	.36S	.93N	266.3	27.2	.75D	.66N	346.3	57.5	221.5	20.0	121.9	24.5
ROTATION ABOUT A,C,B AXIS																
	-37.4		138.2	72.4	.28D	.96N	2.2	23.8	.66S	.75N	295.2	59.4	53.2	15.5	150.9	25.7
	50.2		138.2	72.4	.95S	.32N	234.0	72.2	.95D	.32N	6.1	25.5	186.4	64.5	96.1	.1
	-38.4		97.7	63.3	.09S	1.00N	266.3	27.2	.18D	.98N	289.1	71.2	185.4	4.6	93.9	18.1
	44.8		359.3	88.5	.46S	.89T	266.3	27.2	1.00D	.06T	23.4	37.6	270.1	27.2	154.2	40.3
	-4.8		140.0	67.9	.37S	.93N	273.4	30.6	.67D	.74N	352.6	61.0	221.5	20.0	123.9	20.0
	16.0		132.5	87.4	.34S	.94N	229.6	20.2	.99D	.13N	332.1	44.1	221.5	20.0	114.3	39.2
			CONE A	42 EXA	.75		CONE C	43 EXC	.76				CONE B	85 EXB	.05	

568
AUGUST 31, 1961 H = 01.57.08 10.4S 70.7W DEPTH 630 KM. M = 7.5
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		60-10	149	84			-	-					-	-		
	87.0	60-10-7	129.0	82.6	.99S	.17N	220.2	80.3	.99D	.13N	354.4	12.1	182.2	77.8	84.8	1.6
			121.3	66.9	.87S	.50N	224.1	62.6	.90D	.44N	351.5	37.1	177.2	52.8	83.6	2.7
ROTATION ABOUT A,C,B AXIS																
	0		121.3	66.9	.87S	.50N	224.1	62.6	.90D	.44N	351.5	37.1	177.2	52.8	83.6	2.7
	43.8		121.3	66.9	.97S	.24T	25.8	77.4	.92D	.40T	345.0	7.1	89.3	63.3	251.6	25.6
	-57.6		57.4	28.1	.20S	.98N	224.1	62.6	.11D	.99N	30.0	71.7	137.0	5.5	228.7	17.4
	19.2		130.9	83.8	.89S	.46N	224.1	62.6	.99D	.12N	354.1	23.7	209.2	61.8	90.6	14.4
	-22.4		144.4	57.5	.94S	.33N	244.9	74.0	.83D	.56N	19.2	35.1	177.2	52.8	281.6	10.7
	0		121.3	66.9	.87S	.50N	224.1	62.6	.90D	.44N	351.5	37.1	177.2	52.8	83.6	2.7
			CONE A	41 EXA	.71		CONE C	31 EXC	.49				CONE B	58 EXB	.43	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	85.6	60-10-7	155.3	81.0	.04S	1.00N	321.4	9.3	.24D	.97N	338.0	53.9	245.0	2.2	153.4	36.0
			155.3	81.0	.04S	1.00N	321.4	9.3	.24D	.97N	338.0	53.9	245.0	2.2	153.4	36.0
ROTATION ABOUT A,C,B AXIS																
	-37.4		155.3	81.0	.58D	.82N	52.8	36.2	.96S	.27N	301.5	42.9	71.6	34.7	182.6	27.4
	56.6		155.3	81.0	.86S	.52N	250.8	59.3	.98D	.18N	18.7	28.2	230.8	57.7	116.6	14.5
	-2.8		152.5	80.9	.03S	1.00N	321.4	9.3	.19D	.98N	334.7	54.1	242.2	1.8	150.9	35.9
	.2		155.6	81.0	.04S	1.00N	321.4	9.3	.24D	.97N	338.2	53.9	245.2	2.2	153.6	36.0
	-0.5		155.4	80.5	.04S	1.00N	322.1	9.8	.23D	.97N	338.1	54.4	245.0	2.2	153.4	35.5
	3.6		155.2	84.6	.04S	1.00N	312.9	5.8	.38D	.93N	337.7	50.4	245.0	2.2	153.2	39.6
			CONE A	4 EXA	.27		CONE C	20 EXC	.96				CONE B	17 EXB	.97	

569
SEPTEMBER 1, 1961 H = 00.09.35 59.5S 27.3W DEPTH 131 KM. M = 7.5
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		85-18	-	-			-	-					-	-		
	84.7	85-18-12	135.4	62.9	.89S	.45T	32.6	66.6	.87D	.50T	354.7	2.4	87.8	52.8	262.9	37.1
			220.7	37.2	.35S	.94T	65.7	55.5	.26D	.97T	55.2	9.4	147.2	12.2	288.6	74.5
ROTATION ABOUT A,C,B AXIS																
	-8.6		220.7	37.2	.20S	.98T	55.4	53.7	.15D	.99T	49.1	8.3	140.1	7.1	270.1	79.0
	31.0		220.7	37.2	.78S	.62T	98.2	67.8	.51D	.86T	76.0	17.2	175.6	28.2	318.6	56.1
	-44.8		174.1	65.4	.78S	.62T	65.7	55.5	.86D	.51T	207.9	6.1	111.7	45.3	303.8	44.1
	57.6		304.2	52.8	.70D	.71T	65.7	55.5	.68S	.73T	94.4	1.5	3.4	34.0	186.7	56.0
	-2.8		222.2	39.9	.33S	.94T	66.6	52.8	.26D	.96T	55.8	6.6	147.2	12.2	297.9	76.1
	8.0		215.1	29.8	.42S	.91T	63.4	63.2	.24D	.97T	53.4	17.1	147.2	12.2	271.0	68.7
			CONE A	33 EXA	.89		CONE C	21 EXC	.73				CONE B	64 EXB	.61	

THE ABOVE SOLN. REPRESENTS UNDEFINED CENTRAL DILATATIONAL CIRCLES.

570
JANUARY 8, 1962 H = 01.00.24 18.5N 70.5W DEPTH 63KM. M = 6.5
STAUDER,W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		S - SOLN.	77	48			190	67			318	49	121	38	219	12
STAUDER	77.2	27-7-6	29.2	66.4	.78S	.62T	281.5	55.2	.87D	.49T	63.0	6.9	325.8	45.8	159.6	43.4
			29.1	66.4	.77S	.63T	281.0	54.5	.87D	.49T	62.6	7.3	325.2	45.2	159.7	43.9
ROTATION ABOUT A,C,B AXIS																
	-2.2		29.1	66.4	.75S	.66T	279.6	52.6	.86D	.50T	61.5	8.4	323.5	43.4	160.1	45.4
	1.8		29.1	66.4	.79S	.61T	282.0	56.1	.88D	.48T	63.5	6.4	326.7	46.6	159.4	42.7
	-0.1		29.0	66.5	.77S	.63T	281.0	54.5	.87D	.49T	62.6	7.4	325.1	45.2	159.8	43.9
	1.2		29.9	65.5	.77S	.64T	281.0	54.5	.86D	.51T	63.3	6.7	326.6	44.5	160.0	44.7
	-0.3		29.4	66.6	.77S	.63T	281.3	54.4	.87D	.49T	62.8	7.5	325.2	45.2	160.1	43.8
	1.4		27.9	65.5	.78S	.63T	279.5	55.2	.86D	.50T	61.6	6.3	325.2	45.2	157.8	44.1
			CONE A	1 EXA	.24		CONE C	3 EXC	.57				CONE B	2 EXB	.67	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	70.2	27-8-7	353.5	70.2	.98S	.20T	259.6	79.4	.94D	.35T	217.7	6.3	323.0	67.3	125.2	21.7
			346.0	72.7	.98S	.17T	253.0	80.4	.95D	.30T	210.4	5.3	315.2	70.1	118.5	19.1
ROTATION ABOUT A,C,B AXIS																
	-5.4		346.0	72.7	.96S	.27T	251.3	75.3	.95D	.31T	208.9	1.8	303.1	67.0	118.2	22.9
	8.6		346.0	72.7	1.00S	.02T	255.5	88.6	.95D	.30T	212.2	11.1	341.2	72.7	119.6	13.1
	-0.4		345.9	73.1	.98S	.17T	253.0	80.4	.96D	.29T	210.3	5.0	314.6	70.5	118.6	18.8
	8.0		347.5	64.9	.98S	.18T	253.0	80.4	.90D	.43T	212.6	10.5	323.8	62.9	117.7	24.7
	-0.7		346.7	72.9	.98S	.18T	253.6	80.2	.95D	.30T	211.1	5.0	315.2	70.1	119.4	19.2
	.8		345.1	72.6	.99S	.17T	252.2	80.7	.95D	.30T	209.5	5.6	315.2	70.1	117.6	19.0
			CONE A	4 EXA	.82		CONE C	5 EXC	.89				CONE B	11 EXB	.40	

571
FEBRUARY 14, 1962 H = 06.36.01 38.1S 73.1W DEPTH 44 KM. M = 7.2
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.
STAUDER,W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		59-10	70	73			317	38					351	33		
ALTER.		59-11	30	86			300	83					333	82		
	84.9	59-9-8	64.2	75.3	.85S	.53T	325.2	59.0	.96D	.30T	101.8	10.6	356.2	55.0	198.7	32.9
			99.5	50.6	.22D	.97T	259.5	41.1	.26S	.96T	90.3	4.8	181.2	10.0	335.0	78.9
ROTATION ABOUT A,C,B AXIS																
	-50.2		99.5	50.6	.89D	.45T	207.3	69.6	.74S	.68T	239.4	11.7	138.1	43.6	341.0	44.1
	50.2		99.5	50.6	.60S	.80T	329.7	52.0	.59D	.80T	304.8	.8	35.2	27.9	213.3	62.1
	-44.8		42.6	55.1	.39S	.92T	259.5	41.1	.49D	.87T	59.0	7.4	326.5	18.9	169.4	69.6
	44.8		146.1	70.9	.60D	.80T	259.5	41.1	.87S	.50T	119.5	17.5	222.2	34.8	7.5	49.8
	-32.0		92.6	82.0	.18D	.98T	220.6	12.8	.78S	.62T	83.8	36.2	181.2	10.0	284.2	52.0
	32.0		119.5	20.4	.50D	.87T	268.0	72.4	.18S	.98T	276.3	26.7	181.2	10.0	72.5	61.2
			CONE A	76 EXA	.29		CONE C	80 EXC	.36				CONE B	95 EXB	.11	

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		S - SOLN.	98	32			238	64			252	16	157	18	23	65
STAUDER	100.0	29-0	305.1	21.9	.07S	1.00T	129.2	68.2	.03D	1.00T	128.0	23.2	218.6	1.4	311.9	66.8
			305.4	21.9	.06S	1.00T	128.9	68.1	.02D	1.00T	127.9	23.1	218.4	1.2	311.2	66.9
ROTATION ABOUT A,C,B AXIS																
	-31.0		305.4	21.9	.46D	.89T	95.9	70.7	.18S	.98T	104.1	25.0	9.4	10.0	259.3	62.8
	5.4		305.4	21.9	.15S	.99T	134.8	68.3	.06D	1.00T	132.1	23.2	223.5	3.3	321.1	66.5
	-64.0		228.7	67.2	.91S	.40T	128.9	68.1	.91D	.42T	88.9	.6	179.8	57.5	358.5	32.5
	51.2		21.5	53.3	.89D	.47T	128.9	68.1	.76S	.64T	162.1	9.1	62.8	45.2	260.9	43.4
	-0.3		305.4	22.2	.06S	1.00T	129.0	67.8	.02D	1.00T	127.9	22.8	218.4	1.2	311.3	67.2
	3.6		304.7	18.3	.07S	1.00T	128.9	71.7	.02D	1.00T	127.8	26.7	218.4	1.2	310.8	63.3
			CONE A	21 EXA	.97		CONE C	12 EXC	.89				CONE B	65 EXB	.68	

COMBINATION OF HODGSON AND STAUDER. IN CASES OF DISAGREEMENT
STAUDER IS TAKEN AS CORRECT.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
83.2	70-12-10	213.3	26.2	.72S	.69T	82.6	72.2	.33D	.94T	67.5	24.7	166.4	18.6	289.4	58.3
		242.7	35.2	.75S	.67T	116.6	67.4	.47D	.88T	96.4	17.8	195.2	25.5	335.3	58.1
ROTATION ABOUT A,C,B AXIS															
-1.4		242.7	35.2	.73S	.68T	115.2	66.8	.46D	.89T	95.4	17.4	193.8	24.9	334.1	58.9
5.4		242.7	35.2	.81S	.59T	121.7	70.0	.49D	.87T	99.9	19.6	200.7	27.7	339.3	55.0
-38.4		216.2	68.1	.91S	.41T	116.6	67.4	.91D	.40T	256.3	.5	165.6	57.6	346.6	32.4
76.8		8.1	52.7	.88D	.48T	116.6	67.4	.76S	.66T	149.4	9.0	50.5	44.2	248.3	44.4
-0.6		243.5	35.6	.74S	.67T	116.9	66.9	.47D	.88T	96.7	17.3	195.2	25.5	336.2	58.4
3.6		237.8	32.9	.79S	.61T	114.8	70.6	.46D	.89T	94.6	21.0	195.2	25.5	330.0	55.9
		CONE A	22 EXA	.96		CONE C	5 EXC	.38				CONE B	28 EXB	.94	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	84.6	70-12-10	84.5	71.9	.46S	.89T	323.9	32.7	.82D	.58T	105.3	22.1	3.8	26.2	230.0	54.6
			106.8	51.3	.24D	.97T	264.9	40.8	.29S	.96T	96.9	5.3	187.9	11.0	341.4	77.7
ROTATION ABOUT A,C,B AXIS																
	-50.2		106.8	51.3	.90D	.43T	213.5	70.3	.75S	.66T	246.2	11.8	144.3	44.7	347.4	42.9
	43.8		106.8	51.3	.49S	.87T	329.1	47.3	.53D	.85T	127.3	2.1	36.4	22.7	222.4	67.2
	-51.2		42.9	57.3	.44S	.90T	264.9	40.8	.56D	.83T	61.1	8.8	327.6	21.6	172.0	66.5
	51.2		158.0	75.9	.63D	.78T	264.9	40.8	.93S	.37T	129.7	21.3	237.0	37.4	16.8	45.0
	-25.6		100.6	76.3	.20D	.98T	240.4	17.7	.63S	.78T	91.3	30.4	187.9	11.0	295.5	57.3
	28.8		123.5	24.1	.47D	.88T	273.5	68.8	.20S	.98T	282.6	22.9	187.9	11.0	74.1	64.3
			CONE A	75 EXA	.47		CONE C	72 EXC	.42				CONE B	98 EXB	.08	

572
FEBRUARY 27, 1962 H = 12.40.49 37.4S 73.2W DEPTH 40 KM. M = 6.5
STAUDER,W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		S - SOLN.	226	31			96	69			79	21	177	22	309	59
STAUDER	84.8	20-2-2	247.8	84.7	.96S	.28T	156.3	74.0	1.00D	.10T	291.1	7.4	175.6	73.1	23.1	15.1
			290.6	32.5	.35S	.94T	134.3	59.7	.22D	.98T	125.2	13.9	217.9	10.8	344.6	72.3
ROTATION ABOUT A,C,B AXIS																
	-75.8		290.6	32.5	.82D	.57T	50.7	72.3	.47S	.89T	71.6	22.4	329.8	26.3	196.5	54.2
	75.8		290.6	32.5	.99S	.11N	25.8	86.7	.54D	.84N	176.3	39.6	297.8	32.3	52.8	33.8
	-76.8		224.7	89.4	.86S	.50T	134.3	59.7	1.00D	.01T	265.3	20.4	135.7	59.7	3.7	21.4
	76.8		30.7	68.0	.84D	.54T	134.3	59.7	.90S	.43T	354.1	5.3	90.7	51.1	259.9	38.4
	-38.4		303.9	69.7	.20S	.98T	154.2	23.2	.47D	.88T	312.7	23.9	217.9	10.8	105.4	63.5
	38.4		182.7	13.1	.82S	.57N	306.5	82.6	.19D	.98N	114.2	51.2	217.9	10.8	316.1	36.7
			CONE A	109 EXA	.50		CONE C	108 EXC	.49				CONE B	153 EXB	.01	

573
MARCH 7, 1962 H = 11.01.00 19.3N 145.3E DEPTH 680 KM. M = 7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		142-29	218	54			57	38					135	9		
	81.3	142-29-26	59.1	41.3	.01S	1.00N	238.7	48.7	0D	1.00N	55.8	86.3	148.9	.2	238.9	3.7
			59.2	41.5	.01S	1.00N	238.1	48.5	.01D	1.00N	50.5	86.5	148.6	.5	238.6	3.5
ROTATION ABOUT A,C,B AXIS																
	-1.8		59.2	41.5	.02D	1.00N	240.5	48.5	.02S	1.00N	71.2	86.4	329.9	.7	239.9	3.5
	0		59.2	41.5	.01S	1.00N	238.1	48.5	.01D	1.00N	50.5	86.5	148.6	.5	238.6	3.5
	-0.9		57.8	41.5	0D	1.00N	238.1	48.5	0S	1.00N	61.3	86.5	328.0	.2	238.0	3.5
	.2		59.5	41.5	.02S	1.00N	238.1	48.5	.02D	1.00N	47.4	86.4	148.7	.7	238.7	3.5
	-0.4		59.2	41.1	.01S	1.00N	238.1	48.9	.01D	1.00N	51.3	86.1	148.6	.5	238.6	3.9
	1.2		59.1	42.7	.01S	1.00N	238.1	47.3	.01D	1.00N	46.3	87.6	148.6	.5	238.6	2.3
			CONE A	1 EXA	.31		CONE C	2 EXC	.11				CONE B	1 EXB	.39	

574
MARCH 12, 1962 H = 11.40.13 8.1N 83.0W DEPTH 58 KM. M = 6.7
STAUDER,W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		S - SOLN.	137	55			258	55			107	0	199	34	18	55
STAUDER	86.9	31-5-4	343.4	54.2	.96S	.27N	82.6	77.6	.80D	.60N	219.2	34.5	8.6	51.4	118.5	15.2
			343.4	54.2	.96S	.27N	82.6	77.6	.80D	.60N	219.2	34.5	8.6	51.4	118.5	15.2
ROTATION ABOUT A,C,B AXIS																
	-0.2		343.4	54.2	.96S	.27N	82.7	77.4	.80D	.60N	219.2	34.7	8.9	51.3	118.5	15.1
	1.0		343.4	54.2	.97S	.25N	82.0	78.4	.80D	.60N	219.0	33.8	7.1	51.7	118.1	15.8
	0		343.4	54.2	.96S	.27N	82.6	77.6	.80D	.60N	219.2	34.5	8.6	51.4	118.5	15.2
	.2		343.5	54.3	.96S	.26N	82.6	77.6	.80D	.60N	219.2	34.3	8.7	51.6	118.6	15.1
	-3.2		347.3	53.4	.97S	.23N	85.2	79.5	.79D	.61N	222.8	33.4	8.6	51.4	121.2	17.0
	1.4		341.8	54.5	.96S	.28N	81.4	76.7	.80D	.60N	217.6	34.9	8.6	51.4	117.3	14.3
			CONE A		1 EXA	.96	CONE C		2 EXC	.74			CONE B		0 EXB	.83

575
MARCH 17, 1962 H = 20.47.32 10.6N 43.7W DEPTH 25 KM. M = 7
STAUDER,W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		S - SOLN.	29	34			171	63			185	14	90	18	314	66
STAUDER	86.9	15-2-2	309.4	65.1	.98S	.18N	43.8	80.5	.90D	.43N	179.2	24.5	333.1	63.1	84.4	10.4
			327.1	75.8	1.00S	.07N	58.0	86.2	.97D	.25N	193.5	12.7	342.8	75.3	101.9	7.3
ROTATION ABOUT A,C,B AXIS																
	-21.4		327.1	75.8	.90S	.43N	63.7	65.5	.96D	.27N	193.4	27.8	29.7	61.2	287.0	6.9
	5.4		327.1	75.8	1.00S	.03T	236.7	88.6	.97D	.25T	192.8	9.0	321.2	75.7	101.0	11.0
	-8.0		326.5	67.8	1.00S	.07N	58.0	86.2	.93D	.38N	194.5	18.3	337.3	67.5	100.2	12.7
	9.6		327.7	85.4	1.00S	.07N	58.0	86.2	1.00D	.08N	193.1	6.0	7.6	84.0	103.0	.6
	-11.2		338.6	75.3	1.00S	.02N	68.9	89.0	.97D	.25N	204.8	11.0	342.8	75.3	112.9	9.6
	14.4		312.3	77.2	.99S	.13N	44.0	82.8	.97D	.22N	178.8	14.2	342.8	75.3	87.8	3.9
			CONE A		21 EXA	.31	CONE C		26 EXC	.04			CONE B		22 EXB	.34

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	86.8	15-2-2	286.3	56.2	1.00S	.03T	195.5	88.8	.83D	.56T	156.1	22.2	283.7	56.2	55.6	24.1
			9.3	25.7	.38D	.92T	164.6	66.4	.18S	.98T	172.6	20.7	78.9	9.6	325.5	67.0
ROTATION ABOUT A,C,B AXIS																
	-56.6		9.3	25.7	.98D	.19T	109.2	85.3	.43S	.90T	130.9	35.4	21.4	25.2	264.3	44.0
	63.0		9.3	25.7	.65S	.76T	232.8	70.7	.30D	.95T	219.4	23.8	316.9	16.4	78.3	60.5
	-64.0		271.1	57.0	.88S	.48T	164.6	66.4	.80D	.59T	129.7	5.9	226.1	47.4	34.4	42.0
	51.2		62.4	64.2	.90D	.45T	164.6	66.4	.88S	.47T	203.2	1.4	111.3	53.7	294.3	36.3
	-32.0		355.3	56.5	.20D	.98T	155.0	35.2	.29S	.96T	347.0	10.8	78.9	9.6	209.6	75.5
	32.0		119.0	12.5	.77D	.64N	350.2	82.1	.17S	.99N	181.4	52.0	78.9	9.6	341.7	36.4
			CONE A		86 EXA	.44	CONE C		87 EXC	.46			CONE B		117 EXB	.04

576
APRIL 12, 1962 H = 00.52.47 38.2N 142.3E DEPTH 68 KM. M = 7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.
STAUDER, W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		116-22	260	6			139	87					229	5		
	86.5	116-23-18	237.0	19.2	1.00S	.07T	143.0	88.6	.33D	.94T	125.2	40.6	232.5	19.1	341.5	43.3
			249.3	24.2	.98S	.18T	149.7	85.7	.40D	.91T	128.9	36.3	237.8	23.8	353.2	44.2
ROTATION ABOUT A,C,B AXIS																
	-5.4		249.3	24.2	.96S	.27T	144.7	83.6	.40D	.92T	124.8	34.4	232.0	23.2	348.8	46.4
	3.0		249.3	24.2	.99S	.13T	152.4	86.9	.41D	.91T	131.2	37.4	241.1	24.0	355.7	43.0
	-25.6		243.3	49.6	1.00S	.10T	149.7	85.7	.76D	.65T	113.7	23.9	234.7	49.3	8.4	30.7
	16.0		268.1	8.9	.88S	.48T	149.7	85.7	.14D	.99T	142.4	40.2	239.1	7.8	338.1	48.7
	-0.5		250.5	24.3	.98S	.20T	149.9	85.3	.40D	.91T	129.2	35.9	237.8	23.8	353.6	44.6
	5.6		235.5	23.8	1.00S	.04N	327.4	89.1	.40D	.92N	125.2	41.1	237.8	23.8	349.1	39.5
			CONE A		16 EXA	.85	CONE C		7 EXC	.27			CONE B		19 EXB	.80

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		S - SOLN.	136	72			320	18			137	27	46	1	314	63
STAUDER	92.5	51-4-3	230.6	59.2	1.00S	.02T	140.0	89.0	.86D	.51T	99.6	20.5	228.3	59.2	.9	22.0
			251.5	38.2	.89S	.46T	139.2	73.4	.57D	.82T	113.6	20.7	218.0	33.3	357.6	49.2
ROTATION ABOUT A,C,B AXIS																
	-2.6		251.5	38.2	.87S	.50T	137.0	71.9	.56D	.83T	112.1	19.6	215.1	32.3	356.1	50.9
	11.8		251.5	38.2	.96S	.27T	149.0	80.4	.60D	.80T	120.7	26.0	231.8	36.5	4.3	42.4
	-22.4		239.6	58.8	.94S	.33T	139.2	73.4	.84D	.54T	102.2	9.4	205.3	53.8	5.6	34.6
	28.8		298.7	17.6	.34S	.94T	139.2	73.4	.11D	.99T	134.3	28.2	227.5	5.9	328.3	61.1
	-2.4		254.8	39.3	.87S	.50T	140.7	71.5	.58D	.82T	115.1	18.8	218.0	33.3	.7	50.4
	19.2		219.4	33.3	1.00S	.02T	128.4	89.4	.55D	.84T	99.8	35.7	218.0	33.3	337.4	36.8
			CONE A		33 EXA	.58	CONE C		18 EXC	.33			CONE B		27 EXB	.72

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	90.3	51-5-4	231.0	33.8	1.00S	.08T	137.3	87.5	.56D	.83T	109.1	33.8	225.6	33.7	347.2	38.2
			234.3	31.3	.99S	.13T	137.8	86.1	.52D	.86T	111.7	33.8	225.4	31.0	346.5	40.7
ROTATION ABOUT A,C,B AXIS																
	-0.6		234.3	31.3	.99S	.14T	137.3	85.7	.52D	.86T	111.3	33.4	224.7	31.0	346.3	41.1
	1.8		234.3	31.3	.99S	.10T	139.4	87.0	.52D	.86T	112.9	34.5	227.5	31.2	347.9	39.8
	-25.6		230.4	56.8	1.00S	.08T	137.8	86.1	.84D	.55T	98.8	19.8	221.8	56.5	358.7	25.8
	28.8		287.2	4.6	.51S	.86T	137.8	86.1	.04D	1.00T	135.7	41.1	227.7	2.3	320.3	48.9
	-11.2		254.2	34.5	.91S	.41T	143.7	76.5	.53D	.85T	119.4	24.7	225.4	31.0	358.1	48.4
	2.0		230.5	31.1	1.00S	.08T	136.8	87.8	.52D	.86T	110.2	35.3	225.4	31.0	344.8	39.2
			CONE A		27 EXA	.76	CONE C		6 EXC	.82			CONE B		11 EXB	.96

COMBINATION OF HODGSON AND STAUDER. IN CASES OF DISAGREEMENT
STAUDER IS TAKEN AS CORRECT.

	SCORE	OBSERVED	PLANE A AZ	DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	87.7	123-22-17	252.6	10.2	.86S	.51T	132.1	84.8	.15D	.99T	124.1	39.2	221.3	8.7	321.6	49.5
			281.4	21.7	.72S	.70T	149.4	75.1	.28D	.96T	136.6	28.4	235.2	15.4	350.3	57.0
ROTATION ABOUT A,C,B AXIS																
	-11.8		281.4	21.7	.56S	.83T	137.5	72.2	.22D	.98T	127.6	26.2	223.6	12.0	336.0	60.8
	4.6		281.4	21.7	.77S	.64T	154.0	76.4	.29D	.96T	140.1	29.4	239.8	16.6	355.4	55.4
	-32.0		252.5	49.7	.94S	.34T	149.4	75.1	.74D	.67T	116.3	16.0	223.5	45.9	12.5	39.7
	8.0		300.9	16.9	.46S	.89T	149.4	75.1	.14D	.99T	143.0	29.7	237.4	7.7	340.5	59.2
	-2.0		285.0	23.1	.68S	.74T	150.0	73.2	.28D	.96T	137.3	26.5	235.2	15.4	352.2	58.7
	14.4		239.3	15.5	1.00S	.07T	145.5	89.0	.27D	.96T	130.8	42.0	235.2	15.4	340.6	43.9
			CONE A		26 EXA	.59	CONE C		16 EXC	.00			CONE B		26 EXB	.59

577
APRIL 18, 1962 H = 19.14.37 10.0S 79.0W DEPTH 39 KM. M = 6.7
STAUDER,W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		S - SOLN.	59	50			195	50			37	0	127	25	307	65
STAUDER	73.3	39-9-9	82.7	65.8	.81S	.59T	336.3	57.7	.87D	.48T	117.9	5.0	22.3	47.7	212.4	41.9
			121.0	53.4	.46D	.89T	260.3	44.4	.52S	.85T	102.1	4.8	194.0	21.5	.2	67.9
ROTATION ABOUT A,C,B AXIS																
	-56.6		121.0	53.4	.99D	.11T	214.7	85.0	.80S	.60T	252.1	21.1	131.4	53.0	354.4	28.9
	63.0		121.0	53.4	.59S	.81T	351.5	49.4	.62D	.79T	145.5	2.2	54.3	28.0	239.6	61.9
	-64.0		38.7	53.8	.46S	.89T	260.3	44.4	.54D	.84T	57.9	5.0	325.9	22.0	160.1	67.4
	51.2		165.1	85.0	.70D	.72T	260.3	44.4	.99S	.13T	131.8	26.3	250.3	44.0	21.9	34.5
	-32.0		106.9	82.7	.37D	.93T	214.6	22.8	.95S	.33T	88.5	34.2	194.0	21.5	309.8	47.9
	25.6		142.8	32.2	.69D	.73T	274.5	67.2	.40S	.92T	291.8	18.9	194.0	21.5	59.4	60.7
			CONE A		81 EXA	.50	CONE C		83 EXC	.52			CONE B		117 EXB	.04

578
APRIL 20, 1962 H = 05.47.55 20.6N 72.2W DEPTH 25 KM. M = 7
STAUDER,W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		S - SOLN.	175	45			9	45			2	0	92	5	270	83
STAUDER	95.5	57-2-2	136.7	65.0	.68S	.73T	22.4	48.6	.83D	.56T	166.1	9.7	68.3	38.3	267.9	50.0
			180.7	69.2	.11S	.99T	17.3	21.6	.27D	.96T	185.3	24.0	92.8	5.6	350.5	65.3
ROTATION ABOUT A,C,B AXIS																
	-50.2		180.7	69.2	.70D	.72T	290.7	47.9	.88S	.48T	150.4	12.9	251.7	40.7	46.5	46.4
	56.6		180.7	69.2	.89S	.46T	80.3	64.5	.92D	.39T	219.7	3.1	125.1	56.1	311.7	33.7
	-44.8		135.2	79.5	.32S	.95T	17.3	21.6	.87D	.50T	150.9	31.9	48.8	18.6	293.4	51.9
	44.8		228.4	71.3	.19D	.98T	17.3	21.6	.49S	.87T	219.8	25.5	314.8	10.4	65.1	62.2
	-32.0		3.9	78.9	.10S	.99N	156.3	12.5	.46D	.89N	191.1	55.7	92.8	5.6	359.1	33.7
	28.8		176.2	40.7	.15S	.99T	7.6	49.9	.13D	.99T	2.3	4.6	92.8	5.6	233.0	82.7
			CONE A		74 EXA	.32	CONE C		81 EXC	.43			CONE B		98 EXB	.16

579
APRIL 23, 1962 H = 05.58.05 42.9N 143.4 E DEPTH 25 KM. M = 7.2
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.
STAUDER,W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		157-26	272	27			154	77					239	23		
ALTER.		157-27	252	17			358	85					269	17		
	86.8	157-23-20	253.9	18.7	1.00S	.09N	348.9	88.3	.32D	.95N	150.7	43.7	259.5	18.6	6.2	40.5
			259.4	20.5	1.00S	.02N	350.6	89.5	.35D	.94N	151.8	41.0	260.8	20.5	10.4	41.9
ROTATION ABOUT A,C,B AXIS																
	-1.4		259.4	20.5	1.00S	.05N	351.9	89.1	.35D	.94N	152.3	42.3	262.2	20.5	10.9	40.6
	13.4		259.4	20.5	.98S	.21T	158.0	85.8	.34D	.94T	140.2	37.6	246.5	20.0	358.3	45.6
	-0.8		259.3	19.7	1.00S	.02N	350.6	89.5	.34D	.94N	152.4	41.3	260.7	19.7	9.7	42.2
	.6		259.4	21.1	1.00S	.02N	350.6	89.5	.36D	.93N	151.3	40.8	260.8	21.1	10.9	41.7
	-0.2		259.9	20.5	1.00S	.01N	350.7	89.7	.35D	.94N	151.7	41.2	260.8	20.5	10.3	41.8
	.4		258.2	20.5	1.00S	.04N	350.4	89.2	.35D	.94N	151.0	42.2	260.8	20.5	9.6	40.7
			CONE A		1 EXA	.57	CONE C		3 EXC	.96			CONE B		5 EXB	.91

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		S - SOLN.	252	15			10	83			175	50	282	13	22	38
STAUDER	92.3	87-7-7	253.8	18.6	1.00S	.04N	346.1	89.2	.32D	.95N	148.2	42.8	256.4	18.6	3.6	41.3
			254.0	18.3	1.00S	.03N	345.9	89.4	.31D	.95N	149.0	41.6	256.1	18.3	3.9	42.7
ROTATION ABOUT A,C,B AXIS																
	-7.0		254.0	18.3	.99S	.16N	352.5	87.2	.31D	.95N	154.5	44.9	263.5	18.1	9.2	39.5
	11.8		254.0	18.3	.99S	.17T	154.7	86.9	.31D	.95T	138.3	39.3	243.7	18.0	352.8	45.2
	-0.4		254.0	17.9	1.00S	.04N	345.9	89.4	.31D	.95N	149.4	41.7	256.1	17.9	3.5	42.9
	.4		254.0	18.7	1.00S	.03N	345.9	89.4	.32D	.95N	148.7	41.5	256.1	18.7	4.2	42.6
	0		254.0	18.3	1.00S	.03N	345.9	89.4	.31D	.95N	149.0	41.6	256.1	18.3	3.9	42.7
	.5		252.4	18.3	1.00S	.06N	345.7	88.9	.31D	.95N	148.0	43.2	256.1	18.3	2.9	41.1
			CONE A		1 EXA	.37	CONE C		3 EXC	.97			CONE B		4 EXB	.96

COMBINATION OF HODGSON AND STAUDER. IN CASES OF DISAGREEMENT
STAUDER IS TAKEN AS CORRECT.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
87.1	172-25-21	253.9	18.7	1.00S	.09N	348.9	88.3	.32D	.95N	150.7	43.7	259.5	18.6	6.2	40.5
		259.4	20.5	1.00S	.02N	350.6	89.5	.35D	.94N	151.8	41.0	260.8	20.5	10.4	41.9
ROTATION ABOUT A,C,B AXIS															
-1.4		259.4	20.5	1.00S	.05N	351.9	89.1	.35D	.94N	152.3	42.3	262.2	20.5	10.9	40.6
13.4		259.4	20.5	.98S	.21T	158.0	85.8	.34D	.94T	140.2	37.6	246.5	20.0	358.3	45.6
-0.8		259.3	19.7	1.00S	.02N	350.6	89.5	.34D	.94N	152.4	41.3	260.7	19.7	9.7	42.2
.6		259.4	21.1	1.00S	.02N	350.6	89.5	.36D	.93N	151.3	40.8	260.8	21.1	10.9	41.7
-0.2		259.9	20.5	1.00S	.01N	350.7	89.7	.35D	.94N	151.7	41.2	260.8	20.5	10.3	41.8
.4		258.2	20.5	1.00S	.04N	350.4	89.2	.35D	.94N	151.0	42.2	260.8	20.5	9.6	40.7
		CONE A		1 EXA	.57	CONE C		3 EXC	.96			CONE B		5 EXB	.91

	SCORE	OBSERVED	PLANE A AZ	DIP	COMPONENT STRIKE	DIP	PLANE C AZ	DIP	COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
	86.6	172-26-22	272.8	26.7	.95S	.32T	166.2	81.8	.43D	.90T	145.2	32.1	252.3	25.2	12.7	47.1
			275.1	28.1	.94S	.33T	168.0	81.1	.45D	.89T	146.2	30.9	253.6	26.5	16.1	47.1
ROTATION ABOUT A,C,B AXIS																
	-8.6		275.1	28.1	.88S	.47T	160.2	77.3	.43D	.90T	140.1	27.9	244.2	24.7	9.0	51.1
	3.0		275.1	28.1	.96S	.28T	170.7	82.4	.46D	.89T	148.4	32.0	256.9	26.9	18.4	45.8
	-0.5		274.8	28.6	.95S	.32T	168.0	81.1	.46D	.89T	145.9	30.8	253.5	26.9	16.4	46.9
	0		275.1	28.1	.94S	.33T	168.0	81.1	.45D	.89T	146.2	30.9	253.6	26.5	16.1	47.1
	0		275.1	28.1	.94S	.33T	168.0	81.1	.45D	.89T	146.2	30.9	253.6	26.5	16.1	47.1
	1.2		272.7	27.8	.96S	.29T	167.5	82.1	.45D	.89T	145.5	31.9	253.6	26.5	15.0	46.3
			CONE A		1 EXA	.58	CONE C		4 EXC	.90			CONE B		2 EXB	.96

580
MAY 7, 1962 H = 17.39.50 45.3N 146.7E DEPTH 25 KM. M = 6.7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.
STAUDER,W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	DIP	COMPONENT STRIKE	DIP	PLANE C AZ	DIP	COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
HODGSON		123-14	267	55			148	55					208	36		
	91.2	123-14-11	262.9	56.6	.76S	.65T	147.8	57.3	.76D	.65T	115.5	.4	205.8	39.5	25.0	50.5
			295.7	41.1	.20S	.98T	131.0	49.9	.17D	.98T	124.0	4.4	214.6	7.6	4.0	81.2
ROTATION ABOUT A,C,B AXIS																
	-43.8		295.7	41.1	.53D	.85T	75.9	56.2	.42S	.91T	93.4	8.0	.4	20.5	203.7	67.9
	5.4		295.7	41.1	.29S	.96T	137.9	51.0	.25D	.97T	127.7	5.0	218.7	11.1	13.7	77.8
	-4.8		288.7	42.3	.29S	.96T	131.0	49.9	.26D	.97T	120.6	3.9	211.4	11.3	12.0	78.0
	38.4		351.1	47.7	.49D	.87T	131.0	49.9	.48S	.88T	150.7	1.2	60.2	21.3	243.7	68.7
	-9.6		298.2	50.5	.17S	.99T	133.6	40.5	.20D	.98T	305.3	5.0	214.6	7.6	68.5	80.9
	11.2		291.3	30.2	.26S	.96T	128.8	61.0	.15D	.99T	122.5	15.6	214.6	7.6	329.8	72.6
			CONE A		30 EXA	.52	CONE C		32 EXC	.58			CONE B		46 EXB	.12

AUTHOR	SCORE	OBSERVED	PLANE A AZ	DIP	COMPONENT STRIKE	DIP	PLANE C AZ	DIP	COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
STAUDER		S - SOLN.	313	62			159	30			323	15	229	10	106	71
STAUDER	93.5	56-4-4	286.1	42.4	.55S	.83T	148.0	55.8	.45D	.89T	129.3	7.2	222.2	21.9	22.2	66.8
			286.5	42.0	.51S	.86T	144.9	54.9	.42D	.91T	127.7	6.8	220.2	19.9	19.7	68.9
ROTATION ABOUT A,C,B AXIS																
	-1.8		286.5	42.0	.48S	.88T	142.9	54.1	.40D	.92T	126.5	6.4	218.7	18.8	18.6	70.1
	8.6		286.5	42.0	.63S	.78T	154.1	58.8	.49D	.87T	133.4	9.2	227.7	25.0	24.8	63.2
	-1.0		285.2	42.5	.52S	.85T	144.9	54.9	.43D	.90T	127.0	6.6	219.5	20.7	20.2	68.2
	0		286.5	42.0	.51S	.86T	144.9	54.9	.42D	.91T	127.7	6.8	220.2	19.9	19.7	68.9
	-0.2		286.6	42.1	.51S	.86T	145.0	54.7	.42D	.91T	127.8	6.7	220.2	19.9	20.1	68.9
	7.2		280.2	35.9	.58S	.81T	141.5	61.4	.39D	.92T	125.2	13.5	220.2	19.9	3.1	65.6
			CONE A		3 EXA	.86	CONE C		9 EXC	.29			CONE B		3 EXB	.90

COMBINATION OF HODGSON AND STAUDER. IN CASES OF DISAGREEMENT
STAUDER IS TAKEN AS CORRECT.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
91.1	145-18-15	286.5	51.3	.51S	.86T	150.2	47.9	.54D	.84T	307.8	1.8	217.0	23.6	42.0	66.3
		299.1	41.5	.10S	.99T	127.0	48.7	.09D	1.00T	123.4	3.6	213.6	3.9	350.7	84.7
ROTATION ABOUT A,C,B AXIS															
-43.8		299.1	41.5	.61D	.79T	73.0	58.5	.48S	.88T	93.0	9.2	358.9	24.0	202.5	64.1
7.0		299.1	41.5	.22S	.97T	136.2	49.7	.19D	.98T	128.3	4.1	218.9	8.5	12.6	80.5
-2.4		295.6	41.8	.15S	.99T	127.0	48.7	.13D	.99T	121.7	3.5	212.0	5.7	.5	83.3
14.4		320.8	42.1	.18D	.98T	127.0	48.7	.16S	.99T	133.5	3.3	43.1	6.9	249.1	82.3
-11.2		300.6	52.7	.09S	1.00T	128.7	37.6	.11D	.99T	304.1	7.6	213.6	3.9	96.6	81.5
11.2		296.9	30.4	.13S	.99T	125.8	59.9	.08D	1.00T	122.6	14.8	213.6	3.9	318.0	74.7
		CONE A	19 EXA	.25		CONE C	34 EXC	.56				CONE B	29 EXB	.67	

581
MAY 11, 1962 H = 14.11.52 17.0N 99.7W DEPTH 25 KM. M = 7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.
STAUDER,W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		85-12	139	26			40	86					128	26		
	86.8	85-12-9	38.8	85.4	.57S	.82N	135.4	34.8	.99D	.14N	250.1	39.6	125.6	34.4	10.7	31.6
			206.0	84.3	.37S	.93T	101.8	22.3	.96D	.26T	224.7	35.8	118.3	21.4	3.9	46.5
ROTATION ABOUT A,C,B AXIS																
-50.2			206.0	84.3	.48D	.88T	306.3	29.2	.98S	.20T	182.1	33.2	292.9	28.5	53.9	43.4
31.0			206.0	84.3	.79S	.61T	111.6	52.8	.99D	.13T	243.0	20.9	123.4	52.2	345.7	29.9
-38.4			350.3	81.4	.35S	.94N	101.8	22.3	.92D	.39N	192.8	49.5	77.0	20.4	332.9	33.3
7.2			212.8	81.7	.35S	.94T	101.8	22.3	.92D	.38T	230.2	33.5	125.9	20.5	10.3	49.2
-19.2			33.1	77.9	.37S	.93N	150.7	24.9	.87D	.50N	238.6	52.2	118.3	21.4	15.5	29.6
2.0			205.3	82.4	.37S	.93T	96.9	22.9	.94D	.34T	223.6	33.9	118.3	21.4	2.3	48.2
			CONE A	31 EXA	.54		CONE C	41 FXC	.74				CONE B	61 EXB	.44	

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
85.8	85-12-10	6.9	75.3	.85S	.52N	105.8	59.7	.96D	.29N	232.6	32.4	74.4	55.6	329.1	10.2
		30.1	84.6	.19S	.98N	146.1	12.2	.90D	.45N	222.0	49.3	119.1	10.9	20.2	38.7
ROTATION ABOUT A,C,B AXIS															
-43.8		30.1	84.6	.54D	.84N	291.8	33.2	.99S	.17N	179.5	41.1	303.6	32.7	56.9	31.7
43.8		30.1	84.6	.82S	.58N	123.9	54.9	.99D	.12N	251.0	28.2	112.5	54.4	352.2	19.9
-5.6		24.6	83.5	.18S	.98N	146.1	12.2	.85D	.53N	216.1	50.5	113.4	10.3	15.3	37.7
4.0		34.1	85.4	.20S	.98N	146.1	12.2	.92D	.38N	226.1	48.4	123.1	11.3	23.7	39.4
-5.6		31.2	79.1	.19S	.98N	165.1	15.5	.71D	.71N	224.8	54.6	119.1	10.9	21.9	33.2
.4		30.1	85.0	.19S	.98N	144.4	12.0	.91D	.42N	221.8	48.9	119.1	10.9	20.1	39.0
		CONE A	8 EXA	.37		CONE C	23 EXC	.93				CONE B	29 EXB	.89	

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		S - SOLN.	136	77			16	24			153	29	52	20	292	53
STAUDER	98.4	39-1-0	27.5	79.8	.83S	.56N	124.3	56.7	.98D	.21N	250.6	30.9	102.7	54.8	350.0	15.2
			206.0	72.9	.31S	.95T	74.3	24.9	.71D	.70T	220.3	25.7	121.6	17.5	1.1	58.2
ROTATION ABOUT A,C,B AXIS																
	-43.8		206.0	72.9	.43D	.90T	327.7	30.4	.81S	.58T	186.6	23.7	288.0	24.3	57.9	54.9
	56.6		206.0	72.9	.97S	.26T	111.5	75.6	.95D	.30T	69.1	1.8	163.5	67.3	338.3	22.6
	-51.2		338.2	87.2	.42S	.91N	74.3	24.9	.99D	.12N	181.9	42.5	66.9	24.7	316.3	37.4
	44.8		253.5	65.1	.01S	1.00T	74.3	24.9	.01D	1.00T	253.8	20.1	163.7	.3	72.9	69.9
	-28.8		34.9	79.7	.30S	.95N	154.1	20.4	.86D	.51N	235.5	52.1	121.6	17.5	20.1	32.4
	28.8		193.9	46.0	.42S	.91T	47.3	49.2	.40D	.92T	31.1	1.7	121.6	17.5	295.8	72.4
			CONE A	74 EXA	.40		CONE C	76 EXC	.43				CONE B	98 EXB	.04	

COMBINATION OF HODGSON AND STAUDER. IN CASES OF DISAGREEMENT STAUDER IS TAKEN AS CORRECT.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
88.7	94-12-9	39.3	85.4	.88S	.48N	131.8	61.6	1.00D	.09N	261.8	23.1	120.9	61.2	359.0	16.2
		203.4	84.4	.29S	.96T	95.7	17.9	.95D	.32T	218.5	37.1	115.1	17.0	5.3	47.9
ROTATION ABOUT A,C,B AXIS															
-50.2		203.4	84.4	.55D	.84T	301.9	33.6	.98S	.18T	176.4	31.3	289.7	33.0	54.3	41.1
56.6		203.4	84.4	.96S	.28T	111.8	73.7	.99D	.10T	246.6	7.4	131.8	72.8	338.7	15.4
-44.8		340.6	82.2	.28S	.96N	95.7	17.9	.90D	.44N	178.5	50.3	68.3	16.0	326.6	35.2
38.4		241.3	75.0	.17S	.98T	95.7	17.9	.55D	.84T	249.4	29.3	153.9	9.7	47.5	58.8
-22.4		30.1	74.2	.30S	.95N	160.6	23.5	.73D	.68N	233.4	57.2	115.1	17.0	16.1	27.1
0		203.4	84.4	.29S	.96T	95.7	17.9	.95D	.32T	218.5	37.1	115.1	17.0	5.3	47.9
		CONE A	43 EXA	.73		CONE C	49 EXC	.79				CONE B	94 EXB	.22	

582
MAY 19, 1962 H = 14.58.13 17.2N 99.5W DEPTH 20 KM. M = 7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.
STAUDER,W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON			-	-			-	-					-	-		
	89.7	102-13-10	223.3	84.4	.71S	.71T	127.7	45.3	.99D	.14T	257.0	25.3	138.9	44.8	5.9	34.5
			202.0	72.5	.20S	.98T	55.5	20.7	.53D	.85T	210.9	26.7	115.5	10.7	5.6	60.9
ROTATION ABOUT A,C,B AXIS																
	-31.0		202.0	72.5	.34D	.94T	332.0	26.2	.73S	.68T	186.8	25.0	285.9	18.8	48.8	57.9
	37.4		202.0	72.5	.75S	.66T	97.2	51.0	.92D	.39T	235.1	13.5	130.9	45.7	337.2	41.2
	-14.4		187.5	75.8	.26S	.96T	55.5	20.7	.72D	.69T	199.8	29.2	101.3	14.8	347.7	56.6
	44.8		249.4	69.8	.09D	1.00T	55.5	20.7	.23S	.97T	245.7	24.7	337.8	4.6	77.7	64.9
	-16.0		205.1	88.2	.19S	.98T	105.6	10.9	.99D	.17T	215.4	42.2	115.5	10.7	14.3	45.8
	16.0		198.3	56.8	.22S	.97T	41.0	35.3	.32D	.95T	207.6	10.9	115.5	10.7	342.2	74.6
			CONE A	44 EXA	.46		CONE C	47 EXC	.53				CONE B	64 EXB	.13	

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		S - SOLN.	208	64			2	29			200	17	292	11	53	69
STAUDER	100.0	44-0	220.6	69.7	.28S	.96T	80.2	25.6	.60D	.80T	232.9	23.1	136.3	15.0	16.1	62.0
			220.5	69.8	.27S	.96T	79.9	25.5	.60D	.80T	232.6	23.2	136.1	14.8	16.3	62.0
ROTATION ABOUT A,C,B AXIS																
	-37.4		220.5	69.8	.37D	.93T	351.7	29.2	.71S	.71T	204.3	21.9	302.8	20.2	71.4	59.5
	27.8		220.5	69.8	.69S	.72T	110.6	47.2	.88D	.47T	250.7	13.7	148.8	40.4	355.5	46.4
	-28.8		192.4	79.7	.40S	.92T	79.9	25.5	.91D	.42T	211.6	30.8	106.9	23.0	346.6	49.9
	38.4		262.0	64.5	.02D	1.00T	79.9	25.5	.03S	1.00T	261.3	19.5	351.6	.8	83.9	70.5
	-22.4		46.5	88.6	.26S	.97N	141.8	14.9	1.00D	.10N	241.1	44.5	136.1	14.8	32.5	41.8
	22.4		212.5	48.4	.34S	.94T	61.3	45.3	.36D	.93T	226.5	1.6	136.1	14.8	322.5	75.1
			CONE A	55 EXA	.33		CONE C	54 EXC	.31				CONE B	66 EXB	.03	

COMBINATION OF HODGSON AND STAUDER. IN CASES OF DISAGREEMENT
STAUDER IS TAKEN AS CORRECT.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
90.7	117-14-11	223.3	84.4	.71S	.71T	127.7	45.3	.99D	.14T	257.0	25.3	138.9	44.8	5.9	34.5
		209.6	73.4	.30S	.95T	76.9	23.8	.70D	.71T	223.2	26.4	124.7	16.5	6.2	58.1
ROTATION ABOUT A,C,B AXIS															
-37.4		209.6	73.4	.34D	.94T	337.6	25.9	.76S	.66T	193.9	25.7	293.6	19.3	56.1	56.9
27.8		209.6	73.4	.71S	.71T	103.6	47.4	.92D	.39T	241.0	16.1	135.6	42.7	346.5	42.9
-16.0		194.0	78.6	.36S	.93T	76.9	23.8	.87D	.49T	211.2	30.5	108.4	20.6	349.8	51.9
38.4		250.0	66.4	.05S	1.00T	76.9	23.8	.11D	.99T	252.1	21.3	161.1	2.6	64.5	68.5
-14.4		213.8	87.1	.28S	.96T	114.3	16.8	.98D	.17T	229.0	39.9	124.7	16.5	17.2	45.5
16.0		204.1	58.2	.33S	.94T	58.0	36.8	.47D	.88T	218.1	11.2	124.7	16.5	340.7	69.9
		CONE A	41 EXA	.44		CONE C	45 EXC	.53				CONE B	60 EXB	.17	

583
MAY 21, 1962 H = 12.02.51 37.3N 96.0E DEPTH 25 KM. M = 7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		113-21	-	-			-	-					-	-		
	83.9	113-21-17	173.6	79.7	.61S	.79T	70.5	38.6	.96D	.29T	202.0	25.2	91.4	36.7	317.8	42.8
			170.3	65.6	.18S	.98T	13.7	26.3	.36D	.93T	177.9	20.0	84.5	9.2	331.2	67.8
ROTATION ABOUT A,C,B AXIS																
	-27.8		170.3	65.6	.30D	.95T	312.6	29.8	.56S	.83T	157.2	18.8	252.8	16.1	20.7	64.9
	37.4		170.3	65.6	.74S	.68T	59.6	52.0	.85D	.52T	202.1	8.2	104.6	42.2	300.9	46.6
	-38.4		131.5	77.1	.39S	.92T	13.7	26.3	.86D	.51T	149.8	28.4	46.9	22.4	284.5	52.4
	28.8		202.2	64.0	.07D	1.00T	13.7	26.3	.13S	.99T	199.4	18.9	290.5	3.4	30.2	70.8
	-19.2		173.6	84.6	.16S	.99T	53.5	10.7	.86D	.51T	182.0	38.9	84.5	9.2	343.5	49.6
	25.6		163.6	40.6	.25S	.97T	2.1	50.9	.21D	.98T	353.7	5.2	84.5	9.2	234.4	79.4
			CONE A	55 EXA	.33		CONE C	54 EXC	.31				CONE B	66 EXB	.03	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	84.1	113-21-17	202.4	61.1	.69S	.73T	85.3	50.4	.78D	.63T	231.6	6.3	136.9	36.9	329.8	52.4
			191.8	56.5	.21S	.98T	33.3	35.4	.31D	.95T	200.6	10.8	108.6	10.2	336.1	75.1
ROTATION ABOUT A,C,B AXIS																
	-31.0		191.8	56.5	.32D	.95T	340.2	37.8	.44S	.90T	178.5	9.7	271.2	15.6	57.7	71.5
	27.8		191.8	56.5	.64S	.77T	68.5	50.3	.70D	.72T	218.9	3.5	126.7	32.5	314.4	57.3
	-8.0		182.6	58.6	.30S	.96T	33.3	35.4	.43D	.90T	194.9	12.0	101.8	14.6	322.9	70.9
	22.4		218.9	54.7	.06D	1.00T	33.3	35.4	.08S	1.00T	216.6	9.7	307.0	2.7	52.3	79.9
	-11.2		194.4	67.5	.19S	.98T	41.4	24.9	.42D	.91T	202.7	21.8	108.6	10.2	355.1	65.8
	16.0		186.7	41.0	.27S	.96T	27.0	50.8	.23D	.97T	17.7	5.0	108.6	10.2	261.9	78.6
			CONE A		29 EXA	.11	CONE C		40 EXC	.54			CONE B		42 EXB	.48

THE ABOVE SOLN. REPRESENTS UNDEFINED CENTRAL DILATATIONAL CIRCLES.

584
JUNE 14, 1962 H = 07.51.51 54.3N 169E DEPTH 34 KM. M = 6.2
STAUDER,W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		S - SOLN.	322	73			228	79			186	4	286	68	94	22
STAUDER	100.0	32-0	335.7	66.1	.90S	.44T	234.3	66.1	.90D	.44T	15.0	-0.0	285.0	55.0	105.0	35.0
			335.7	66.1	.90S	.44T	234.3	66.1	.90D	.44T	15.0	-0.0	285.0	55.0	105.0	35.0
ROTATION ABOUT A,C,B AXIS																
	-114.2		335.7	66.1	.77D	.64T	84.1	54.5	.87S	.50T	302.2	7.1	39.4	44.9	205.2	44.2
	27.8		335.7	66.1	1.00S	.03N	66.3	88.7	.91D	.41N	203.7	17.7	339.3	66.0	108.5	15.7
	-3.2		334.2	68.9	.90S	.43T	234.3	66.1	.92D	.39T	13.6	1.8	280.8	57.2	104.8	32.7
	2.0		336.7	64.3	.89S	.45T	234.3	66.1	.88D	.47T	195.8	1.2	287.4	53.6	105.0	36.4
	-6.4		341.8	69.0	.88S	.48T	240.7	63.4	.92D	.40T	20.2	3.6	285.0	55.0	112.7	34.8
	2.8		332.9	64.9	.90S	.43T	231.6	67.3	.89D	.46T	192.8	1.6	285.0	55.0	101.7	35.0
			CONE A		7 EXA	.43	CONE C		36 EXC	.94			CONE B		27 EXB	.96

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	92.0	32-1-1	121.9	88.0	.96S	.29T	31.3	73.4	1.00D	.04T	165.4	10.2	38.6	73.3	257.8	13.1
			319.8	73.2	.47S	.88T	201.0	32.2	.84D	.54T	340.8	23.2	238.4	26.5	106.1	53.5
ROTATION ABOUT A,C,B AXIS																
	-63.0		319.8	73.2	1.00S	.01N	50.0	89.2	.96D	.29N	186.1	12.4	322.6	73.2	93.6	11.2
	75.8		319.8	73.2	.74D	.67T	64.4	50.1	.93S	.38T	286.9	14.4	32.0	45.3	183.9	41.1
	-22.4		341.8	64.0	.34S	.94T	201.0	32.2	.57D	.82T	356.2	16.8	260.7	17.6	127.1	65.3
	11.2		309.7	78.6	.50S	.86T	201.0	32.2	.93D	.37T	333.3	27.3	226.2	29.6	97.7	47.6
	-14.4		326.4	86.0	.45S	.89T	228.5	26.9	.99D	.15T	349.3	35.6	238.4	26.5	120.8	42.9
	6.4		316.5	67.5	.48S	.88T	191.9	36.0	.76D	.65T	337.5	17.5	238.4	26.5	97.1	57.4
			CONE A		26 EXA	.38	CONE C		54 EXC	.85			CONE B		68 EXB	.76

585
JUNE 18, 1962 H = 23.42.31 4.8S 151.8E DEPTH 47 KM. M = 6.7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON			-	-			-	-					-	-		
	73.9	70-21-16	226.7	66.2	1.00S	.06T	135.2	86.7	.91D	.40T	93.4	14.2	217.8	65.9	358.4	19.1
			227.7	65.4	1.00S	.07T	136.1	86.4	.91D	.42T	94.5	14.5	218.3	65.1	359.2	19.8
ROTATION ABOUT A,C,B AXIS																
	-0.6		227.7	65.4	1.00S	.08T	135.8	85.9	.91D	.42T	94.3	14.1	216.9	65.0	358.9	20.2
	1.0		227.7	65.4	1.00S	.05T	136.5	87.3	.91D	.42T	94.7	15.2	220.6	65.2	359.3	19.2
	-8.0		227.1	73.4	1.00S	.07T	136.1	86.4	.96D	.29T	92.7	9.1	214.2	73.0	.4	14.3
	4.0		228.0	61.4	1.00S	.07T	136.1	86.4	.88D	.48T	95.6	17.1	219.5	61.2	358.3	22.5
	-0.1		227.8	65.4	1.00S	.07T	136.2	86.4	.91D	.42T	94.5	14.5	218.3	65.1	359.2	19.8
	1.6		226.0	65.3	1.00S	.06T	134.6	87.1	.91D	.42T	92.9	15.1	218.3	65.1	357.5	19.4
			CONE A		5 EXA	.86	CONE C		2 EXC	.06			CONE B		4 EXB	.87

586
JUNE 21, 1962 H = 04.43.43 5.7N 82.6W DEPTH 23 KM. M = 6.2
STAUDER,W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		S - SOLN.	153	54			269	60			299	5	207	38	35	51
STAUDER	100.0	18-0	197.7	61.9	.97S	.23T	101.3	78.2	.88D	.48T	62.2	10.9	170.9	59.1	326.2	28.5
			197.7	61.9	.97S	.23T	101.3	78.2	.88D	.48T	62.2	10.9	170.9	59.1	326.2	28.5
ROTATION ABOUT A,C,B AXIS																
	-3.8		197.7	61.9	.96S	.30T	99.4	74.9	.87D	.49T	60.8	8.6	164.4	57.4	325.5	31.2
	3.0		197.7	61.9	.98S	.18T	102.8	80.8	.88D	.48T	63.2	12.7	176.4	60.2	326.8	26.5
	-44.8		8.0	74.3	.98S	.21N	101.3	78.2	.96D	.28N	235.2	19.6	46.8	70.2	144.3	2.7
	4.0		198.8	58.0	.97S	.24T	101.3	78.2	.84D	.54T	63.7	13.3	173.7	55.4	325.4	31.3
	-1.6		199.5	62.3	.97S	.25T	102.8	77.4	.88D	.48T	63.7	10.0	170.9	59.1	328.1	28.9
	2.8		194.6	61.3	.98S	.21T	98.8	79.6	.87D	.49T	59.6	12.2	170.9	59.1	323.0	27.9
			CONE A		15 EXA	.91	CONE C		5 EXC	.35			CONE B		18 EXB	.86

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	100.0	18-0	189.3	39.4	.89S	.46T	77.6	73.1	.59D	.81T	51.2	19.9	155.6	34.4	296.9	48.7
			189.1	39.6	.89S	.46T	77.5	73.1	.59D	.81T	51.0	19.8	155.4	34.6	296.9	48.6
ROTATION ABOUT A,C,B AXIS																
	-7.0		189.1	39.6	.83S	.56T	71.5	69.0	.56D	.83T	46.8	16.9	147.7	31.8	293.0	53.0
	.8		189.1	39.6	.90S	.44T	78.2	73.5	.60D	.80T	51.6	20.1	156.4	34.8	297.4	48.2
	-14.4		180.9	52.8	.93S	.37T	77.5	73.1	.77D	.63T	43.3	12.8	147.9	47.8	302.6	39.3
	76.8		328.7	43.3	.91D	.42T	77.5	73.1	.65S	.76T	106.4	18.0	1.5	38.4	216.1	46.1
	-3.6		194.0	41.4	.86S	.51T	79.8	70.2	.60D	.80T	53.3	16.9	155.4	34.6	301.8	50.4
	1.0		187.7	39.2	.90S	.44T	76.9	73.9	.59D	.81T	50.4	20.6	155.4	34.6	295.6	48.1
			CONE A		20 EXA	.95	CONE C		6 EXC	.41			CONE B		27 EXB	.91

587
JULY 6, 1962 H = 09.16.19 38N 20.2E DEPTH 30 KM.
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	92.9	29-1-1	48.5	85.2	1.00S	.08T	318.1	85.3	1.00D	.08T	273.3	.1	3.9	83.3	183.3	6.7
			217.5	86.9	1.00S	.05T	127.3	87.1	1.00D	.05T	81.7	.1	173.6	85.8	351.7	4.2
ROTATION ABOUT A,C,B AXIS																
	-7.0		217.5	86.9	1.00S	.07N	307.7	85.9	1.00D	.05N	82.7	5.1	270.6	84.9	172.7	.7
	15.0		217.5	86.9	.95S	.31T	126.5	72.1	1.00D	.06T	260.6	10.3	136.9	71.8	353.3	14.8
	-9.6		218.0	77.4	1.00S	.05T	127.3	87.1	.98D	.22T	83.2	6.8	204.5	77.0	351.9	11.0
	22.4		36.3	70.7	1.00S	.05N	127.3	87.1	.94D	.33N	263.5	15.7	45.6	70.4	170.3	11.5
	-14.4		231.9	87.8	1.00S	.06T	141.8	86.4	1.00D	.04T	277.1	1.0	173.6	85.8	7.2	4.1
	7.2		210.3	86.6	1.00S	.04T	120.1	87.5	1.00D	.06T	75.0	.6	173.6	85.8	344.9	4.2
			CONE A	26	EXA	.32	CONE C	22	EXC	.02			CONE B	27	EXB	.31

588
JULY 6 1962 H = 23.05.32 36.6N 70.4E DEPTH 203 KM.
METZGER, M.E. 1963 SEIS. SER. DOM. OBS., 1963-3.
STEVENS, A.E. 1965 DOCTORAL THESIS, U. OF WESTERN ONTARIO
CHANDER, R. AND BRUNE, J.N. 1965 BULL. SEIS. SOC. AM., 55, 805.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STEVENS		S - SOLN.	53	15			178	81			189	35	90	12	344	52
METZGER		165-15	352	15			183	75					273	3		
	91.8	165-15-12	293.1	27.6	.97S	.24T	190.9	83.7	.45D	.89T	168.4	33.3	277.7	26.7	37.7	44.8
			11.7	19.6	.19D	.98T	180.2	70.8	.07S	1.00T	183.2	25.7	91.5	3.6	354.1	64.0
ROTATION ABOUT A,C,B AXIS																
	-2.2		11.7	19.6	.23D	.97T	177.9	71.0	.08S	1.00T	181.5	25.9	89.4	4.3	350.6	63.7
	5.4		11.7	19.6	.09D	1.00T	185.9	70.5	.03S	1.00T	187.4	25.5	96.5	1.8	2.7	64.5
	-28.8		305.4	31.1	.77S	.64T	180.2	70.8	.42D	.91T	161.4	21.9	261.5	23.5	33.4	56.9
	32.0		65.7	40.0	.86D	.51T	180.2	70.8	.59S	.81T	206.0	18.0	103.5	33.6	319.3	50.7
	-0.4		11.5	20.0	.18D	.98T	180.2	70.4	.07S	1.00T	183.2	25.3	91.5	3.6	354.0	64.4
	11.2		25.5	8.8	.41D	.91T	180.9	82.0	.06S	1.00T	184.2	36.9	91.5	3.6	356.7	52.9
			CONE A	27	EXA	.81	CONE C	9	EXC	.34			CONE B	21	EXB	.87

589
JULY 25, 1962 H = 04.37.51 18.9N 81.1W DEPTH 64 KM. M = 6
STAUDER,W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		S - SOLN.	170	40			261	90			49	32	170	40	293	33
STAUDER	81.0	44-8-8	14.5	72.5	.96S	.27T	279.7	74.9	.95D	.31T	237.4	1.6	331.2	66.6	146.7	23.3
			14.5	72.5	.96S	.27T	279.7	74.9	.95D	.31T	237.4	1.6	331.2	66.6	146.7	23.3
ROTATION ABOUT A,C,B AXIS																
	-4.6		14.5	72.5	.94S	.35T	278.2	70.6	.95D	.32T	55.9	1.3	323.4	63.4	146.6	26.6
	8.6		14.5	72.5	.99S	.13T	282.4	83.1	.95D	.30T	239.6	7.3	351.7	71.1	147.3	17.3
	0		14.5	72.5	.96S	.27T	279.7	74.9	.95D	.31T	237.4	1.6	331.2	66.6	146.7	23.3
	2.0		15.1	70.6	.96S	.28T	279.7	74.9	.94D	.34T	238.0	2.9	334.3	65.1	146.7	24.7
	-8.0		22.5	74.9	.95S	.31T	287.7	72.6	.96D	.27T	64.8	1.6	331.2	66.6	155.5	23.3
	2.4		12.1	71.9	.97S	.26T	277.3	75.7	.95D	.32T	235.2	2.6	331.2	66.6	144.1	23.2
			CONE A	5	EXA	.81	CONE C	12	EXC	.21			CONE B	5	EXB	.85

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
78.8	44-8-8	176.3	89.4	1.00S	.05T	86.3	87.1	1.00D	.01T	221.3	1.6	98.0	87.0	311.3	2.5
		1.5	89.2	1.00S	.08T	271.4	85.3	1.00D	.01T	46.3	2.8	281.4	85.2	136.5	3.9
ROTATION ABOUT A,C,B AXIS															
-4.6		1.5	89.2	1.00S	.00T	271.5	89.9	1.00D	.01T	226.5	.5	352.0	89.2	136.5	.7
8.6		1.5	89.2	.97S	.23T	271.3	76.7	1.00D	.01T	45.6	8.8	275.0	76.6	137.1	10.0
-12.8		2.5	76.4	1.00S	.08T	271.4	85.3	.97D	.24T	227.7	6.2	342.6	75.6	136.2	13.0
32.0		178.5	59.0	1.00S	.10N	271.4	85.3	.86D	.52N	49.5	25.0	189.2	58.5	310.9	17.8
-9.6		11.0	90.0	1.00S	.08T	281.0	85.2	1.00D	.00T	55.9	3.4	281.4	85.2	146.1	3.4
8.0		353.5	88.5	1.00S	.08T	263.4	85.4	1.00D	.03T	38.3	2.2	281.4	85.2	128.5	4.3
		CONE A		28 EXA	.61		CONE C		15 EXC .25			CONE B		24 EXB	.71

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
78.2	44-9-9	355.1	78.4	1.00S	.06N	85.8	86.4	.98D	.20N	221.0	10.8	12.8	77.8	129.9	5.6
		174.9	65.1	.99S	.17N	268.9	81.4	.90D	.43N	44.6	23.8	196.6	63.4	309.6	11.1
ROTATION ABOUT A,C,B AXIS															
-18.2		174.9	65.1	.99S	.15T	81.2	82.1	.91D	.43T	40.4	11.6	154.9	63.7	305.4	23.3
5.4		174.9	65.1	.97S	.26N	271.3	76.5	.90D	.43N	45.3	27.6	207.2	61.2	311.3	7.6
-38.4		.9	77.0	.99S	.15T	268.9	81.4	.97D	.23T	225.3	3.1	326.3	74.3	134.5	15.4
28.8		167.2	36.9	.97S	.25N	268.9	81.4	.59D	.81N	54.8	42.2	185.1	35.5	296.8	27.4
-7.2		182.8	64.1	.99S	.11N	275.4	84.5	.90D	.44N	52.2	22.2	196.6	63.4	316.4	14.0
2.4		172.3	65.5	.98S	.18N	266.7	80.4	.91D	.42N	42.1	24.3	196.6	63.4	307.5	10.1
		CONE A		25 EXA	.86		CONE C		15 EXC .59			CONE B		40 EXB	.65

590
JULY 26, 1962 H = 08.14.42 7.5N 82.7W DEPTH 21 KM. M = 6.7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.
STAUDER,W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		112-25	262	83			-	-					-	-		
	80.8	112-25-20	176.0	87.1	.94S	.35N	267.1	69.3	1.00D	.05N	39.7	16.6	258.4	69.1	133.4	12.4
			177.9	86.8	.92S	.38N	269.2	67.6	1.00D	.06N	41.2	18.0	260.1	67.4	135.6	13.3
ROTATION ABOUT A,C,B AXIS																
-0.2			177.9	86.8	.92S	.38N	269.2	67.4	1.00D	.06N	41.2	18.1	260.2	67.2	135.7	13.4
2.6			177.9	86.8	.94S	.34N	269.1	70.2	1.00D	.06N	41.6	16.2	259.0	69.9	135.0	11.6
-0.7			177.6	86.1	.92S	.38N	269.2	67.6	1.00D	.07N	41.2	18.5	258.3	67.3	135.6	12.7
.9			178.2	87.6	.92S	.38N	269.2	67.6	1.00D	.05N	41.4	17.4	262.4	67.5	135.9	13.9
-0.6			178.5	86.5	.92S	.38N	269.9	67.7	1.00D	.07N	42.0	18.1	260.1	67.4	136.4	13.0
1.2			176.8	87.2	.92S	.38N	267.9	67.6	1.00D	.05N	40.2	17.7	260.1	67.4	134.6	13.6
			CONE A		2 EXA	.11		CONE C		2 EXC .36			CONE B		2 EXB	.43

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		S - SOLN.	74	85			166	70			32	10	151	69	299	18
STAUDER	88.1	57-10-7	210.9	64.2	.79S	.61N	319.3	56.8	.85D	.52N	82.2	44.0	271.3	45.6	176.6	4.6
			210.3	63.9	.79S	.61N	319.1	56.7	.85D	.53N	81.9	44.4	270.7	45.3	176.2	4.4
ROTATION ABOUT A,C,B AXIS																
	-0.4		210.3	63.9	.79S	.62N	319.3	56.3	.85D	.53N	81.7	44.6	271.0	45.0	176.3	4.7
	2.2		210.3	63.9	.81S	.58N	317.7	58.6	.86D	.52N	82.1	42.8	268.7	47.0	175.2	3.3
	-64.0		128.7	33.8	.15D	.99N	319.1	56.7	.10S	.99N	158.2	77.5	45.9	4.8	314.9	11.5
	22.4		223.9	82.2	.83S	.55N	319.1	56.7	.99D	.16N	86.2	29.0	302.4	55.5	186.0	17.0
	-3.2		213.2	62.0	.80S	.59N	322.3	58.4	.83D	.55N	86.3	44.6	270.7	45.3	178.5	2.2
	.1		210.2	64.0	.79S	.61N	319.0	56.6	.85D	.53N	81.6	44.3	270.7	45.3	176.1	4.5
			CONE A		17 EXA	.96	CONE C		3 EXC	.21			CONE B		15 EXB	.97

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	87.3	57-9-8	176.0	54.3	.86S	.51N	285.3	65.4	.77D	.64N	55.2	45.0	221.7	44.2	318.4	6.8
			173.0	50.9	.75S	.66N	292.3	59.0	.68D	.74N	57.5	54.1	227.6	35.5	321.0	4.7
ROTATION ABOUT A,C,B AXIS																
	-3.0		173.0	50.9	.71S	.70N	294.9	57.0	.66D	.75N	58.0	56.3	230.4	33.5	322.7	3.5
	10.2		173.0	50.9	.85S	.52N	284.1	66.1	.72D	.69N	55.3	47.0	217.1	41.5	315.3	9.2
	-19.2		152.3	38.1	.55S	.83N	292.3	59.0	.40D	.92N	66.4	67.0	214.9	19.9	309.0	11.1
	38.4		197.6	82.3	.85S	.52N	292.3	59.0	.99D	.16N	60.4	27.4	275.2	57.8	158.8	15.7
	-4.0		177.0	48.3	.78S	.63N	295.3	62.0	.66D	.75N	64.1	53.3	227.6	35.5	323.3	8.0
	1.8		171.3	52.1	.74S	.68N	290.8	57.7	.69D	.73N	54.4	54.3	227.6	35.5	319.9	3.2
			CONE A		18 EXA	.90	CONE C		9 EXC	.56			CONE B		28 EXB	.77

COMBINATION OF HODGSON AND STAUDER. IN CASES OF DISAGREEMENT
STAUDER IS TAKEN AS CORRECT.

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	79.7	124-29-24	172.2	85.0	.99S	.14N	262.9	81.9	1.00D	.09N	37.4	9.2	230.8	80.5	127.7	2.2
			162.7	37.1	.89S	.45N	274.9	74.1	.56D	.83N	57.6	49.3	195.3	32.5	300.0	21.7
ROTATION ABOUT A,C,B AXIS																
	-3.0		162.7	37.1	.87S	.50N	277.5	72.4	.55D	.84N	59.5	51.0	198.7	31.5	301.9	20.5
	13.4		162.7	37.1	.97S	.24N	263.7	81.8	.59D	.81N	49.5	41.7	179.6	35.9	291.8	27.6
	-64.0		30.3	33.6	.87D	.50N	274.9	74.1	.50S	.87N	129.5	51.5	355.9	28.7	252.3	23.3
	57.6		5.3	88.5	.96S	.27T	274.9	74.1	1.00D	.03T	49.1	10.1	280.7	74.0	141.4	12.3
	-3.2		167.6	35.8	.92S	.39N	276.7	76.7	.55D	.83N	61.4	47.4	195.3	32.5	302.0	24.3
	1.2		161.0	37.7	.88S	.48N	274.2	73.1	.56D	.83N	56.0	49.9	195.3	32.5	299.3	20.7
			CONE A		23 EXA	.96	CONE C		8 EXC	.73			CONE B		45 EXB	.87

591
JULY 30, 1962 H = 17.16.44 3.3S 143.9E DEPTH 25 KM. M = 7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS.. 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		83-17	-	-			-	-					-	-		
	80.1	83-18-16	194.3	76.4	.98S	.20T	101.6	78.9	.97D	.24T	58.2	1.7	153.6	72.3	327.6	17.6
			193.4	75.8	.98S	.20T	100.5	78.6	.97D	.25T	57.2	1.9	153.0	71.7	326.5	18.2
ROTATION ABOUT A,C,B AXIS																
	-0.2		193.4	75.8	.98S	.21T	100.4	78.4	.97D	.25T	57.1	1.8	152.5	71.5	326.5	18.4
	1.0		193.4	75.8	.98S	.19T	100.7	79.6	.97D	.25T	57.3	2.6	155.5	72.3	326.4	17.5
	-9.6		191.4	85.2	.98S	.20T	100.5	78.6	1.00D	.08T	235.3	4.6	123.7	77.6	326.2	11.5
	6.4		194.8	69.6	.98S	.21T	100.5	78.6	.93D	.36T	58.8	6.1	163.0	66.4	326.2	22.7
	-0.3		193.7	75.9	.98S	.21T	100.8	78.5	.97D	.25T	57.6	1.8	153.0	71.7	327.0	18.2
	2.0		191.4	75.4	.98S	.20T	98.5	79.1	.97D	.26T	55.3	2.5	153.0	71.7	324.4	18.1
			CONE A		6 EXA	.86	CONE C		2 EXC	.48			CONE B		4 EXB	.93

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	80.6	83-17-14	14.6	56.7	.85S	.53T	265.7	63.8	.79D	.61T	231.7	4.4	326.1	45.2	137.4	44.5
			73.2	34.6	.20D	.98T	239.6	56.2	.13S	.99T	245.1	10.9	153.9	6.4	33.9	77.3
ROTATION ABOUT A,C,B AXIS																
	-3.8		73.2	34.6	.26D	.97T	235.1	56.8	.18S	.98T	242.4	11.2	150.7	8.5	24.4	75.8
	31.0		73.2	34.6	.34S	.94T	276.8	57.7	.23D	.97T	267.4	11.8	359.7	11.0	131.6	73.8
	-51.2		360.0	53.0	.72S	.70T	239.6	56.2	.69D	.72T	210.5	1.8	301.8	34.9	117.9	55.0
	2.8		78.0	35.2	.26D	.97T	239.6	56.2	.18S	.98T	247.1	10.6	155.5	8.7	27.0	76.2
	0		73.2	34.6	.20D	.98T	239.6	56.2	.13S	.99T	245.1	10.9	153.9	6.4	33.9	77.3
	14.4		81.2	20.6	.31D	.95T	241.6	70.5	.12S	.99T	246.9	25.2	153.9	6.4	50.7	63.9
			CONE A		28 EXA	.73	CONE C		22 EXC	.59			CONE B		43 EXB	.36

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	80.2	83-17-15	173.4	51.9	.90S	.44T	66.6	69.8	.75D	.66T	33.7	11.1	135.0	45.0	293.2	42.9
			235.1	47.2	.03S	1.00T	57.6	42.8	.03D	1.00T	236.3	2.2	146.3	1.2	27.7	87.5
ROTATION ABOUT A,C,B AXIS																
	-37.4		235.1	47.2	.58D	.81T	8.5	53.4	.53S	.85T	30.7	3.4	299.1	25.4	127.7	64.3
	10.2		235.1	47.2	.21S	.98T	72.3	44.1	.22D	.98T	243.4	1.6	153.2	8.7	343.6	81.2
	-25.6		202.3	52.9	.39S	.92T	57.6	42.8	.46D	.89T	218.4	5.3	126.7	18.2	324.1	71.0
	38.4		282.9	56.9	.48D	.88T	57.6	42.8	.60S	.80T	262.8	7.6	356.2	23.9	156.3	64.8
	-14.4		235.6	61.6	.02S	1.00T	58.6	28.4	.05D	1.00T	236.7	16.6	146.3	1.2	52.3	73.4
	25.6		233.1	21.7	.06S	1.00T	56.7	68.4	.02D	1.00T	55.8	23.4	146.3	1.2	239.1	66.6
			CONE A		51 EXA	.37	CONE C		44 EXC	.16			CONE B		55 EXB	.26

THE ABOVE SOLN. REPRESENTS UNDEFINED CENTRAL DILATATIONAL CIRCLES.

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JULY 30, 1962 H = 20.18.49 5.0N 76.3W DEPTH 45 KM. M = 6.7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.
STAUDER,W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		75-16	20	76			110	90					21	76		
	82.0	75-16-12	341.1	58.6	.98S	.18T	245.8	81.4	.85D	.53T	207.2	15.2	322.2	57.2	108.8	28.3
			340.6	58.2	.98S	.18T	245.1	81.3	.85D	.53T	206.9	15.4	321.7	56.7	108.2	28.7
ROTATION ABOUT A,C,B AXIS																
	-1.4		340.6	58.2	.98S	.20T	244.4	80.2	.84D	.54T	206.2	14.6	319.3	56.3	107.7	29.6
	1.4		340.6	58.2	.99S	.15T	245.9	82.5	.85D	.53T	207.3	16.3	324.2	57.1	108.5	27.7
	-0.8		340.4	58.9	.98S	.18T	245.1	81.3	.85D	.52T	206.5	14.9	321.3	57.5	108.3	28.1
	.2		340.6	58.0	.98S	.18T	245.1	81.3	.84D	.54T	206.9	15.6	321.8	56.5	108.1	28.8
	-2.8		343.8	58.7	.98S	.21T	247.6	79.9	.85D	.53T	209.2	14.1	321.7	56.7	111.1	29.5
	.4		340.1	58.1	.98S	.17T	244.8	81.6	.85D	.53T	206.3	15.7	321.7	56.7	107.6	28.5
			CONE A		2 EXA	.69	CONE C		3 EXC	.13			CONE B		2 EXB	.64

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	80.2	75-16-13	297.6	87.3	.97S	.25N	28.3	75.6	1.00D	.05N	162.0	12.1	17.2	75.3	253.8	8.2
			297.6	87.3	.97S	.25N	28.3	75.6	1.00D	.05N	162.0	12.1	17.2	75.3	253.8	8.2
ROTATION ABOUT A,C,B AXIS																
	-2.2		297.6	87.3	.96S	.29N	28.4	73.4	1.00D	.05N	161.8	13.7	18.6	73.1	254.2	9.8
	0		297.6	87.3	.97S	.25N	28.3	75.6	1.00D	.05N	162.0	12.1	17.2	75.3	253.8	8.2
	-0.3		297.5	87.0	.97S	.25N	28.3	75.6	1.00D	.05N	162.0	12.4	16.0	75.2	253.8	8.0
	.1		297.6	87.4	.97S	.25N	28.3	75.6	1.00D	.05N	162.0	12.0	17.6	75.3	253.8	8.3
	-0.8		298.4	87.1	.97S	.25N	29.1	75.6	1.00D	.05N	162.8	12.2	17.2	75.3	254.6	8.1
	.3		297.3	87.4	.97S	.25N	28.0	75.5	1.00D	.05N	161.6	12.0	17.2	75.3	253.4	8.3
			CONE A		1 EXA	.64	CONE C		2 EXC	.50			CONE B		1 EXB	.82

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		S - SOLN.	303	82			211	75			347	4	241	73	78	17
STAUDER	94.2	38-4-3	329.6	59.1	.92S	.39T	227.3	70.4	.84D	.54T	190.6	7.2	290.0	52.2	95.1	36.9
			326.8	58.9	.92S	.40T	224.1	70.0	.84D	.55T	187.6	7.1	286.7	51.7	92.2	37.4
ROTATION ABOUT A,C,B AXIS																
	-7.0		326.8	58.9	.86S	.51T	219.9	64.3	.82D	.57T	184.4	3.4	278.1	47.5	91.4	42.3
	13.4		326.8	58.9	.98S	.18T	231.5	81.4	.85D	.52T	192.9	15.1	307.8	57.4	94.6	28.2
	-1.6		326.0	60.3	.92S	.39T	224.1	70.0	.85D	.53T	187.0	6.2	285.3	53.1	92.4	36.2
	1.4		327.4	57.6	.91S	.40T	224.1	70.0	.82D	.57T	188.2	7.9	287.9	50.6	92.0	38.3
	-1.6		328.5	59.5	.91S	.41T	225.5	69.2	.84D	.54T	188.8	6.2	286.7	51.7	94.0	37.6
	3.2		323.3	57.6	.93S	.37T	221.3	71.8	.83D	.56T	185.0	9.1	286.7	51.7	88.1	36.8
			CONE A		4 EXA	.38	CONE C		10 EXC	.76			CONE B		8 EXB	.85

COMBINATION OF HODGSON AND STAUDER. IN CASES OF DISAGREEMENT
STAUDER IS TAKEN AS CORRECT.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
83.2	91-19-15	328.3	58.7	.95S	.31T	228.6	74.4	.84D	.54T	191.3	10.2	295.8	54.2	94.4	33.9
		330.9	57.9	.94S	.34T	230.1	73.5	.83D	.55T	193.5	10.1	297.1	53.0	96.3	35.2
ROTATION ABOUT A,C,B AXIS															
-8.6		330.9	57.9	.88S	.47T	225.0	66.4	.81D	.58T	189.6	5.3	285.6	48.3	94.9	41.2
4.6		330.9	57.9	.97S	.26T	232.8	77.3	.84D	.54T	195.4	12.7	304.1	54.9	97.2	32.1
-1.2		330.4	59.0	.94S	.33T	230.1	73.5	.84D	.54T	192.9	9.4	296.1	54.0	96.4	34.4
0		330.9	57.9	.94S	.34T	230.1	73.5	.83D	.55T	193.5	10.1	297.1	53.0	96.3	35.2
-1.6		332.6	58.4	.94S	.35T	231.5	72.6	.84D	.55T	194.8	9.1	297.1	53.0	98.2	35.5
.1		330.7	57.9	.94S	.33T	230.1	73.6	.83D	.55T	193.4	10.1	297.1	53.0	96.1	35.1
		CONE A	1 EXA	.29		CONE C	5 EXC	.87				CONE B	4 EXB	.91	

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
77.7	91-19-17	115.8	71.0	.92S	.40T	17.8	67.9	.94D	.35T	156.3	2.1	62.7	60.2	247.5	29.7
		152.5	34.9	.13S	.99T	341.6	55.4	.09D	1.00T	337.8	10.3	68.6	4.3	181.0	78.8
ROTATION ABOUT A,C,B AXIS															
-0.4		152.5	34.9	.12S	.99T	341.1	55.4	.09D	1.00T	337.6	10.3	68.3	4.0	179.3	79.0
37.4		152.5	34.9	.71S	.71T	23.0	66.1	.44D	.90T	3.9	17.1	101.7	23.8	241.7	60.1
-16.0		127.3	39.9	.46S	.89T	341.6	55.4	.36D	.93T	326.7	8.1	59.2	17.3	212.5	70.8
76.8		240.9	75.0	.81D	.59T	341.6	55.4	.95S	.32T	204.9	12.6	311.2	51.4	105.6	35.8
-0.1		152.5	35.0	.13S	.99T	341.6	55.3	.09D	1.00T	337.8	10.2	68.6	4.3	181.2	78.9
2.4		151.9	32.5	.14S	.99T	341.3	57.8	.09D	1.00T	337.6	12.7	68.6	4.3	177.0	76.6
		CONE A	15 EXA	.97		CONE C	10 EXC	.93				CONE B	59 EXB	.59	

593
AUGUST 3, 1962 H = 08.56.12 23.2S 67.5W DEPTH 71 KM. M = 7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.
STAUDER,W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		113-22	-	-			-	-					-	-		
	84.9	112-21-17	108.0	73.6	.94S	.33N	203.6	71.7	.95D	.30N	335.4	25.0	158.8	65.0	66.0	1.3
			65.1	41.1	.36S	.93N	218.1	52.2	.30D	.95N	342.6	75.2	139.0	13.6	230.4	5.7
ROTATION ABOUT A,C,B AXIS																
-37.4			65.1	41.1	.28D	.96N	266.4	50.9	.24S	.97N	142.0	78.2	347.6	10.7	256.7	5.0
50.2			65.1	41.1	.95S	.32N	169.5	77.8	.64D	.77N	311.5	43.1	89.4	38.4	198.6	22.6
-51.2			350.5	49.0	.58D	.81N	218.1	52.2	.56S	.83N	101.3	63.8	285.7	26.1	194.8	1.7
64.0			122.8	83.2	.79S	.62N	218.1	52.2	.99D	.15N	343.2	31.2	204.1	51.3	86.3	20.5
-22.4			87.0	21.4	.64S	.77N	224.9	73.7	.24D	.97N	25.3	58.9	139.0	13.6	236.2	27.4
25.6			55.3	65.5	.26S	.97N	202.5	28.5	.49D	.87N	262.2	66.2	139.0	13.6	44.2	19.2
			CONE A	74 EXA	.58		CONE C	65 EXC	.45				CONE B	100 EXB	.24	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	83.0	112-22-18	241.5	71.4	.16S	.99N	34.9	20.6	.42D	.91N	75.5	62.5	328.6	8.6	234.4	25.9
			229.0	48.9	.23D	.97N	68.5	42.8	.25S	.97N	345.6	79.7	147.7	9.8	238.2	3.1
ROTATION ABOUT A,C,B AXIS																
	-43.8		229.0	48.9	.84D	.55N	115.8	65.7	.69S	.72N	344.2	49.1	184.2	39.1	85.9	10.0
	43.8		229.0	48.9	.51S	.86N	6.9	49.6	.50D	.86N	118.7	67.4	297.6	22.6	27.8	.4
	-38.4		187.4	65.8	.59D	.80N	68.5	42.8	.80S	.60N	321.8	53.9	114.3	32.9	213.0	13.2
	28.8		267.5	48.8	.22S	.98N	68.5	42.8	.25D	.97N	151.1	79.9	349.0	9.6	258.5	3.0
	-25.6		215.3	24.5	.41D	.91N	61.7	67.8	.18S	.98N	260.1	65.6	147.7	9.8	53.7	22.1
	22.4		234.2	70.8	.18D	.98N	83.4	21.7	.46S	.89N	38.1	62.8	147.7	9.8	242.3	25.1
			CONE A		57 EXA	.29	CONE C		65 EXC	.45			CONE B		77 EXB	.23

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		S - SOLN.	232	33			91	63			307	66	172	18	77	16
STAUDER	92.9	55-5-3	74.4	72.1	.66S	.75N	183.8	44.2	.90D	.44N	296.8	46.4	149.4	38.7	45.4	16.8
			67.1	40.9	.31S	.95N	223.8	51.5	.26D	.97N	348.8	77.1	143.3	11.7	234.4	5.4
ROTATION ABOUT A,C,B AXIS																
	-56.6		67.1	40.9	.62D	.78N	293.7	59.2	.48S	.88N	163.0	63.7	8.2	24.1	273.7	9.9
	50.2		67.1	40.9	.93S	.37N	173.9	75.9	.63D	.78N	315.1	44.9	95.0	37.5	202.3	21.2
	-64.0		342.3	59.1	.69D	.73N	223.8	51.5	.75S	.66N	107.4	53.4	278.2	36.2	11.4	4.4
	64.0		126.9	81.4	.78S	.63N	223.8	51.5	.98D	.19N	347.9	33.1	206.5	50.2	91.3	19.5
	-32.0		110.2	13.8	.84S	.53N	231.8	82.6	.20D	.98N	38.5	51.0	143.3	11.7	242.1	36.5
	28.8		57.9	68.8	.22S	.98N	206.3	24.5	.49D	.87N	258.5	64.1	143.3	11.7	48.3	22.8
			CONE A		88 EXA	.52	CONE C		81 EXC	.43			CONE B		117 EXB	.17

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	90.8	55-6-5	91.1	70.2	.23S	.97N	235.7	23.8	.54D	.84N	292.0	62.4	176.4	12.7	80.6	24.0
			67.9	40.1	.31S	.95N	224.6	52.3	.25D	.97N	352.7	76.8	143.7	11.6	235.0	6.2
ROTATION ABOUT A,C,B AXIS																
	-56.6		67.9	40.1	.62D	.78N	293.9	59.7	.46S	.89N	162.0	63.9	9.1	23.6	274.4	10.6
	50.2		67.9	40.1	.93S	.37N	174.7	76.3	.62D	.79N	316.5	45.1	95.2	36.8	202.7	21.9
	-51.2		354.2	50.5	.61D	.79N	224.6	52.3	.59S	.80N	107.9	62.0	290.3	28.0	199.8	1.0
	44.8		114.8	66.4	.74S	.67N	224.6	52.3	.86D	.51N	343.7	45.7	180.7	43.0	82.6	8.6
	-32.0		113.7	13.4	.87S	.49N	232.4	83.5	.20D	.98N	39.4	50.2	143.7	11.6	242.7	37.4
	28.8		58.5	67.9	.22S	.98N	207.9	25.2	.47D	.88N	259.7	64.9	143.7	11.6	49.0	21.9
			CONE A		76 EXA	.37	CONE C		81 EXC	.43			CONE B		101 EXB	.10

COMBINATION OF HODGSON AND STAUDER. IN CASES OF DISAGREEMENT
STAUDER IS TAKEN AS CORRECT.

		PLANE A				PLANE C				P AXIS		B AXIS		T AXIS	
SCORE	OBSERVED	AZ	DIP	COMPONENT STRIKE	DIP	AZ	DIP	COMPONENT STRIKE	DIP	AZ	PL	AZ	PL	AZ	PL
85.8	128-22-18	107.4	76.8	.95S	.32N	201.8	71.8	.97D	.24N	333.8	22.5	163.4	67.2	65.3	3.4
		66.5	42.6	.34S	.94N	220.7	50.4	.30D	.96N	339.4	76.3	141.8	13.1	232.7	4.0
ROTATION ABOUT A,C,B AXIS															
-37.4		66.5	42.6	.31D	.95N	270.1	49.9	.27S	.96N	151.9	77.5	349.8	11.9	259.0	3.7
50.2		66.5	42.6	.94S	.34N	171.7	76.5	.65D	.76N	312.3	43.3	93.1	39.4	201.3	20.8
-51.2		354.0	50.3	.56D	.83N	220.7	50.4	.56S	.83N	107.3	64.4	287.4	25.6	197.4	.1
64.0		125.0	83.2	.77S	.64N	220.7	50.4	.99D	.15N	345.0	32.3	207.0	49.6	89.4	21.5
-19.2		81.6	25.2	.53S	.85N	226.7	68.9	.24D	.97N	24.0	63.4	141.8	13.1	237.4	22.7
25.6		57.5	67.1	.25S	.97N	204.2	26.7	.51D	.86N	261.8	65.0	141.8	13.1	46.7	20.9
		CONE A		72 EXA	.61	CONE C		63 EXC	.49			CONE B		100 EXB	.24

		PLANE A				PLANE C				P AXIS		B AXIS		T AXIS	
SCORE	OBSERVED	AZ	DIP	COMPONENT STRIKE	DIP	AZ	DIP	COMPONENT STRIKE	DIP	AZ	PL	AZ	PL	AZ	PL
85.0	128-22-18	80.5	72.2	.79S	.61N	183.7	54.6	.93D	.37N	306.6	38.7	148.8	49.1	45.6	11.2
		65.9	43.1	.31S	.95N	222.2	49.5	.28D	.96N	338.3	77.5	142.7	12.1	233.4	3.3
ROTATION ABOUT A,C,B AXIS															
-31.0		65.9	43.1	.23D	.97N	263.7	48.3	.21S	.98N	148.9	80.7	345.6	8.9	255.2	2.6
37.4		65.9	43.1	.82S	.57N	182.8	67.1	.61D	.79N	318.0	52.4	109.5	34.1	209.2	14.0
-51.2		354.8	51.6	.56D	.83N	222.2	49.5	.58S	.82N	110.4	64.0	287.5	26.0	18.1	1.1
57.6		121.3	77.6	.75S	.67N	222.2	49.5	.96D	.28N	343.2	37.7	197.8	46.8	87.7	17.9
-19.2		79.5	25.3	.49S	.87N	227.8	68.1	.23D	.97N	25.9	64.5	142.7	12.1	237.7	22.1
25.6		57.7	67.8	.23S	.97N	206.2	25.6	.48D	.88N	259.8	64.8	142.7	12.1	47.8	21.7
		CONE A		70 EXA	.59	CONE C		55 EXC	.35			CONE B		86 EXB	.37

THE ABOVE SOLN. REPRESENTS UNDEFINED CENTRAL COMPRESSIONAL CIRCLES.

594
AUGUST 6, 1962 H = 01.35.31 32.0N 40.8W DEPTH 48 KM. M = 6.2
STAUDER,W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

			PLANE A			PLANE C			P AXIS		B AXIS		T AXIS	
AUTHOR	SCORE	OBSERVED	AZ	DIP	COMPONENT STRIKE DIP	AZ	DIP	COMPONENT STRIKE DIP	AZ	PL	AZ	PL	AZ	PL
STAUDER		S - SOLN.	135	55		1	45		257	64	63	25	156	06
STAUDER	89.6	53-7-6	72.0	59.9	.91S .41N	174.9	69.0	.84D .54N	306.1	37.4	114.2	52.0	211.7	5.8
			72.4	59.5	.91S .42N	175.7	68.7	.84D .55N	306.8	38.0	114.8	51.4	212.2	5.9
ROTATION ABOUT A,C,B AXIS														
-3.8			72.4	59.5	.88S .48N	178.0	65.6	.83D .56N	307.2	40.6	119.5	49.1	213.9	3.8
5.4			72.4	59.5	.94S .33N	172.6	73.3	.85D .53N	306.1	34.2	107.3	54.3	210.0	9.0
-1.2			71.8	58.4	.90S .43N	175.7	68.7	.83D .56N	306.9	38.8	113.7	50.4	211.6	6.5
1.0			72.9	60.4	.91S .42N	175.7	68.7	.85D .53N	306.7	37.3	115.8	52.2	212.7	5.3
-2.0			74.5	58.6	.91S .40N	177.5	69.8	.83D .55N	309.3	37.7	114.8	51.4	213.8	7.1
1.0			71.4	59.9	.90S .43N	174.8	68.2	.84D .54N	305.6	38.1	114.8	51.4	211.4	5.3
			CONE A		3 EXA .27	CONE C		5 EXC .67			CONE B		4 EXB .76	

	SCORE	OBSERVED	PLANE A AZ	DIP	A COMPONENT STRIKE	DIP	PLANE C AZ	DIP	C COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
	88.8	53-7-6	44.0	56.4	.88S	.48N	150.9	66.3	.80D	.60N	281.0	42.4	88.8	46.9	185.4	6.1
			38.6	55.4	.85S	.53N	148.2	64.1	.78D	.63N	277.1	45.3	86.5	44.2	181.7	5.3
ROTATION ABOUT A,C,B AXIS																
	-88.6		38.6	55.4	.51D	.86N	264.9	44.9	.59S	.80N	161.9	64.5	327.2	24.8	59.8	5.7
	2.6		38.6	55.4	.87S	.49N	146.4	66.1	.78D	.62N	276.6	43.4	83.5	45.8	180.3	6.6
	-0.1		38.6	55.3	.85S	.53N	148.2	64.1	.77D	.63N	277.1	45.3	86.4	44.2	181.6	5.4
	2.4		40.2	57.5	.86S	.52N	148.2	64.1	.80D	.60N	276.7	43.6	88.6	46.1	182.9	4.1
	-0.3		39.0	55.3	.85S	.53N	148.5	64.3	.77D	.63N	277.5	45.3	86.5	44.2	181.9	5.5
	5.6		33.1	58.5	.82S	.57N	143.2	60.6	.80D	.60N	269.1	45.8	86.5	44.2	177.7	1.3
			CONE A		4 EXA	.58	CONE C		23 EXC	.94			CONE B		15 EXB	.97

595
AUGUST 18, 1962 H = 16.43.54 62.3N 152.5W DEPTH 32 KM. M = 6.2
STAUDER,W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	DIP	A COMPONENT STRIKE	DIP	PLANE C AZ	DIP	C COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
STAUDER		S - SOLN.	285	43			57	58			77	9	344	24	184	64
STAUDER	87.6	44-5-5	161.2	86.9	.94S	.33T	70.1	70.5	1.00D	.06T	204.0	11.4	79.8	70.2	297.3	15.9
			166.4	87.5	.93S	.37T	75.4	68.2	1.00D	.05T	208.8	13.4	82.6	68.0	303.0	17.1
ROTATION ABOUT A,C,B AXIS																
	-3.0		166.4	87.5	.91S	.42T	75.2	65.2	1.00D	.05T	208.1	15.4	81.8	65.0	303.6	19.2
	8.6		166.4	87.5	.97S	.23T	75.8	76.8	1.00D	.05T	210.3	7.5	86.9	76.5	301.8	11.1
	-3.2		345.2	89.5	.93S	.37N	75.4	68.2	1.00D	.01N	208.2	15.6	74.0	68.2	302.5	14.9
	.5		166.6	87.0	.93S	.37T	75.4	68.2	1.00D	.06T	208.8	13.1	83.9	67.9	303.0	17.5
	-2.4		168.6	88.4	.93S	.37T	78.0	68.1	1.00D	.03T	211.2	14.1	82.6	68.0	305.5	16.5
	4.8		161.9	85.7	.93S	.37T	70.2	68.5	1.00D	.08T	204.1	11.9	82.6	68.0	298.1	18.2
			CONE A		5 EXA	.49	CONE C		9 EXC	.38			CONE B		7 EXB	.68

	SCORE	OBSERVED	PLANE A AZ	DIP	A COMPONENT STRIKE	DIP	PLANE C AZ	DIP	C COMPONENT STRIKE	DIP	P AXIS AZ	PL	B AXIS AZ	PL	T AXIS AZ	PL
	86.9	44-5-5	349.1	88.1	.93S	.36N	79.9	69.0	1.00D	.04N	212.5	16.1	74.2	68.9	306.4	13.3
			351.4	89.3	.93S	.38N	81.6	67.8	1.00D	.01N	214.3	16.0	79.7	67.8	308.7	15.0
ROTATION ABOUT A,C,B AXIS																
	-5.4		351.4	89.3	.89S	.46N	81.7	62.4	1.00D	.01N	213.1	19.6	80.0	62.4	309.9	18.6
	10.2		351.4	89.3	.98S	.21N	81.5	78.0	1.00D	.01N	215.8	8.9	78.1	78.0	307.1	7.9
	-3.2		350.1	86.4	.93S	.38N	81.6	67.8	1.00D	.07N	213.6	18.1	71.3	67.5	307.9	12.9
	.4		351.5	89.7	.93S	.38N	81.6	67.8	1.00D	.01N	214.3	15.7	80.7	67.8	308.7	15.3
	-2.0		353.2	88.6	.93S	.38N	83.8	67.9	1.00D	.03N	216.2	16.5	79.7	67.8	310.6	14.4
	9.6		162.5	87.1	.93S	.37T	71.3	68.0	1.00D	.06T	204.9	13.2	79.7	67.8	299.2	17.5
			CONE A		6 EXA	.69	CONE C		13 EXC	.26			CONE B		7 EXB	.77

596
AUGUST 18, 1962 H = 17.46.15 62.3N 152.5W DEPTH 32 KM. M = 6.2
STAUDER,W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		S - SOLN.	.285	43			57	58			77	9	344	24	184	64
STAUDER	79.7	53-11-10	135.6	35.7	.59S	.80T	357.9	62.0	.39D	.92T	341.3	14.0	76.6	20.3	219.0	65.0
			135.9	35.6	.59S	.81T	358.0	62.1	.39D	.92T	341.5	14.1	76.8	20.1	218.7	65.1
ROTATION ABOUT A,C,B AXIS																
	-2.6		135.9	35.6	.56S	.83T	355.2	61.1	.37D	.93T	339.7	13.5	74.4	18.8	216.1	66.6
	.6		135.9	35.6	.60S	.80T	358.6	62.3	.39D	.92T	341.9	14.3	77.3	20.4	219.3	64.7
	-14.4		119.5	45.4	.75S	.66T	358.0	62.1	.61D	.80T	332.2	9.5	68.3	32.4	227.8	55.9
	76.8		249.1	58.6	.84D	.55T	358.0	62.1	.81S	.59T	32.9	2.2	300.7	45.5	125.0	44.4
	-1.8		137.6	37.0	.57S	.82T	358.8	60.4	.40D	.92T	342.2	12.4	76.8	20.1	222.4	66.1
	.3		135.6	35.3	.60S	.80T	357.8	62.3	.39D	.92T	341.4	14.4	76.8	20.1	218.2	64.9
			CONE A	14 EXA	.98		CONE C	3 EXC	.34				CONE B	17 EXB	.96	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	79.7	53-11-11	348.1	88.7	.98S	.20N	78.4	78.2	1.00D	.02N	212.6	9.3	71.9	78.1	303.8	7.4
			348.1	88.7	.98S	.20N	78.4	78.2	1.00D	.02N	212.6	9.3	71.9	78.1	303.8	7.4
ROTATION ABOUT A,C,B AXIS																
	-8.6		348.1	88.7	.94S	.35N	78.6	69.6	1.00D	.02N	211.5	15.3	74.6	69.5	305.2	13.4
	0		348.1	88.7	.98S	.20N	78.4	78.2	1.00D	.02N	212.6	9.3	71.9	78.1	303.8	7.4
	-1.2		347.8	87.5	.98S	.21N	78.4	78.2	1.00D	.04N	212.7	10.1	66.2	77.9	303.8	6.5
	2.8		168.7	88.6	.98S	.21T	78.4	78.2	1.00D	.03T	213.1	7.3	85.5	78.1	304.3	9.3
	-7.2		355.2	87.2	.98S	.20N	85.7	78.4	1.00D	.05N	220.0	10.1	71.9	78.1	311.1	6.2
	.1		348.0	88.7	.98S	.21N	78.3	78.2	1.00D	.02N	212.6	9.3	71.9	78.1	303.8	7.4
			CONE A	5 EXA	.45		CONE C	8 EXC	.15				CONE B	6 EXB	.53	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	79.4	53-11-10	357.9	62.0	.38S	.92T	219.4	35.4	.59D	.81T	14.1	14.2	278.9	19.8	137.4	65.3
			357.6	61.9	.39S	.92T	219.3	35.5	.59D	.81T	13.9	14.0	278.7	20.0	136.7	65.2
ROTATION ABOUT A,C,B AXIS																
	-56.6		357.6	61.9	.56D	.83T	122.6	42.9	.72S	.69T	334.0	10.7	70.1	29.4	226.2	58.4
	31.0		357.6	61.9	.81S	.59T	248.6	58.6	.83D	.55T	32.4	2.0	300.3	45.4	124.3	44.5
	-1.6		355.9	62.6	.40S	.92T	219.3	35.5	.61D	.79T	12.9	14.5	277.3	20.8	135.3	64.3
	4.0		1.8	60.5	.35S	.94T	219.3	35.5	.53D	.85T	16.7	13.2	282.4	17.9	141.1	67.5
	-0.5		357.8	62.4	.39S	.92T	219.8	35.1	.59D	.81T	14.1	14.5	278.7	20.0	137.7	64.9
	1.4		357.0	60.6	.39S	.92T	217.9	36.7	.57D	.82T	13.4	12.7	278.7	20.0	133.8	66.0
			CONE A	3 EXA	.66		CONE C	13 EXC	.98				CONE B	22 EXB	.94	

597
AUGUST 21, 1962 H = 18.09.03 41.2N 15.1E DEPTH NORMAL
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	77.9	28-6-5	199.8	14.0	.40S	.92N	355.7	77.2	.10D	1.00N	168.3	57.4	267.0	5.5	.4	32.0
			189.8	14.1	.26S	.97N	354.2	76.4	.07D	1.00N	169.2	58.4	265.1	3.6	357.3	31.3
ROTATION ABOUT A,C,B AXIS																
	-7.0		189.8	14.1	.14S	.99N	1.4	76.1	.04D	1.00N	178.6	58.9	271.9	2.0	3.1	31.1
	0		189.8	14.1	.26S	.97N	354.2	76.4	.07D	1.00N	169.2	58.4	265.1	3.6	357.3	31.3
	-32.0		107.8	31.1	.89D	.45N	354.2	76.4	.47S	.88N	206.1	50.5	77.1	27.4	332.4	26.0
	4.0		204.3	15.6	.49S	.87N	354.2	76.4	.13D	.99N	164.0	57.9	266.1	7.5	.6	31.0
	-1.6		191.7	12.5	.29S	.96N	354.4	78.0	.06D	1.00N	169.6	56.8	265.1	3.6	357.4	32.9
	11.2		182.9	25.1	.15S	.99N	353.5	65.2	.07D	1.00N	165.4	69.5	265.1	3.6	356.4	20.1
			CONE A	21 EXA	.64		CONE C	9 EXC	.45				CONE B	16 EXB	.81	

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AUGUST 21, 1962 H = 18.19.30 41.1N 5.1E DEPTH 40 KM.
DI FILIPPO, D. AND PERONACI, F. 1963 ANNALI DI GEOFIS., 16, 625.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
DIFILIPPO	88.9	18-2-2	194.4	78.3	.01S	1.00T	16.9	11.7	.04D	1.00T	194.8	33.3	104.5	.5	13.7	56.7
			22.3	72.7	.05D	1.00N	211.0	17.4	.14S	.99N	198.3	62.2	293.1	2.5	24.4	27.7
ROTATION ABOUT A,C,B AXIS																
	-75.8		22.3	72.7	.98D	.20N	288.8	78.9	.95S	.30N	154.7	20.2	347.6	69.3	246.3	4.2
	18.2		22.3	72.7	.27S	.96N	159.0	23.1	.65D	.76N	224.3	59.4	107.6	14.9	10.1	26.1
	-16.0		5.7	74.1	.13D	.99N	211.0	17.4	.41S	.91N	175.1	60.2	277.7	7.1	11.6	28.7
	76.8		100.4	83.7	.28S	.96N	211.0	17.4	.93D	.37N	298.0	48.8	188.6	16.2	86.1	36.7
	-32.0		20.2	40.8	.07D	1.00N	205.2	49.3	.06S	1.00N	53.5	85.1	293.1	2.5	202.9	4.3
	28.8		203.6	78.5	.04D	1.00T	11.2	11.8	.21S	.98T	201.4	33.5	293.1	2.5	26.9	56.4
			CONE A	75 EXA	.34		CONE C	76 EXC	.35				CONE B	93 EXB	.01	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	88.9	18-2-2	356.7	13.0	.26S	.96T	192.4	77.5	.06D	1.00T	189.4	32.4	281.6	3.4	16.9	57.4
			357.5	12.7	.24S	.97T	192.0	77.7	.06D	1.00T	189.3	32.6	281.3	3.1	16.1	57.2
ROTATION ABOUT A,C,B AXIS																
	-13.4		357.5	12.7	.01S	1.00T	178.2	77.3	0D	1.00T	178.1	32.3	268.2	.2	358.5	57.7
	88.6		357.5	12.7	.98S	.22N	99.9	87.2	.21D	.98N	267.1	46.4	10.5	12.4	111.5	40.9
	-2.0		349.0	13.3	.38S	.92T	192.0	77.7	.09D	1.00T	187.7	32.5	280.9	5.0	18.6	57.0
	1.6		4.7	12.4	.12S	.99T	192.0	77.7	.03D	1.00T	190.6	32.7	281.6	1.5	13.9	57.3
	-0.3		357.8	13.0	.24S	.97T	192.0	77.4	.06D	1.00T	189.3	32.3	281.3	3.1	16.2	57.5
	.1		357.3	12.6	.25S	.97T	192.0	77.8	.06D	1.00T	189.3	32.7	281.3	3.1	16.1	57.1
			CONE A	1 EXA	.89		CONE C	6 EXC	1.00				CONE B	19 EXB	.96	

WITH ADDITIONAL DATA SUPPLIED BY L. CONSTANTINESCU THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION. A.R. RITSEMA, CHAIRMAN.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
78.1	30-6-5	27.8	8.2	.59S	.81T	244.2	83.4	.08D	1.00T	239.8	38.2	333.6	4.8	69.6	51.4
		33.6	8.1	.51S	.86T	244.7	83.0	.07D	1.00T	240.9	37.9	334.2	4.2	69.6	51.8
ROTATION ABOUT A,C,B AXIS															
-2.6		33.6	8.1	.47S	.88T	242.1	82.8	.07D	1.00T	238.6	37.7	331.6	3.9	66.6	52.0
11.8		33.6	8.1	.68S	.73T	256.6	84.0	.10D	1.00T	251.6	38.8	346.0	5.5	82.8	50.7
-1.0		27.9	8.7	.60S	.80T	244.7	83.0	.09D	1.00T	240.1	37.8	334.1	5.2	70.7	51.7
9.6		102.6	8.8	.61D	.79T	244.7	83.0	.09S	1.00T	249.6	37.8	155.4	5.4	58.5	51.7
-5.6		46.2	13.3	.32S	.95T	245.2	77.4	.07D	1.00T	241.5	32.3	334.2	4.2	70.8	57.4
1.4		27.6	7.0	.60S	.80T	244.6	84.4	.07D	1.00T	240.8	39.3	334.2	4.2	69.3	50.4
		CONE A		9 EXA	.34	CONE C		10 EXC	.51			CONE B		12 EXB	.26

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
73.2	30-7-5	260.7	41.6	.13S	.99T	90.3	48.8	.11D	.99T	85.8	3.6	176.1	4.8	319.0	84.0
		260.2	42.7	.26S	.96T	100.6	49.2	.24D	.97T	91.0	3.3	181.6	10.3	343.4	79.2
ROTATION ABOUT A,C,B AXIS															
-15.0		260.2	42.7	0S	1.00T	80.6	47.3	0D	1.00T	80.4	2.3	170.4	.2	265.4	87.7
50.2		260.2	42.7	.91S	.42T	151.7	73.6	.64D	.77T	123.0	18.7	228.4	38.1	12.6	46.0
-2.8		256.3	43.5	.31S	.95T	100.6	49.2	.28D	.96T	89.1	2.9	179.7	12.4	346.0	77.3
2.8		264.3	42.0	.21S	.98T	100.6	49.2	.19D	.98T	92.9	3.6	183.4	8.2	339.2	81.0
-0.7		260.5	43.4	.26S	.97T	100.8	48.5	.24D	.97T	91.1	2.6	181.6	10.3	347.2	79.4
3.6		258.7	39.2	.28S	.96T	99.5	52.7	.22D	.97T	90.3	6.9	181.6	10.3	327.2	77.6
		CONE A		5 EXA	.23	CONE C		17 EXC	.93			CONE B		19 EXB	.91

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
70.3	30-7-6	241.7	89.3	.96S	.29T	151.5	73.4	1.00D	.01T	285.4	11.1	154.1	73.4	17.9	12.1
		243.2	88.7	.96S	.27T	152.9	74.2	1.00D	.02T	286.9	10.1	157.7	74.2	19.0	12.0
ROTATION ABOUT A,C,B AXIS															
-15.0		243.2	88.7	.86S	.51T	152.5	59.2	1.00D	.03T	283.6	20.2	155.4	59.2	22.2	22.2
10.2		243.2	88.7	1.00S	.10T	153.1	84.4	1.00D	.02T	287.7	3.0	165.9	84.3	17.9	4.8
-22.4		56.9	69.7	.96S	.29N	152.9	74.2	.93D	.36N	285.7	25.9	98.1	63.9	194.3	3.0
2.8		244.0	86.0	.96S	.27T	152.9	74.2	1.00D	.07T	287.3	8.2	167.7	73.7	19.4	14.0
-3.2		246.3	89.6	.96S	.27T	156.2	74.2	1.00D	.01T	290.1	10.8	157.7	74.2	22.3	11.4
2.4		240.9	88.1	.96S	.27T	150.4	74.3	1.00D	.03T	284.6	9.7	157.7	74.2	16.8	12.4
		CONE A		12 EXA	.78	CONE C		12 EXC	.78			CONE B		25 EXB	.00

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AUGUST 21, 1962 H = 21.09.50 29.6S 111.9W DEPTH 33 KM. M = 6.5
STAUDER, W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		S - SOLN.	226	80			318	80			3	1	270	77	93	13
STAUDER	84.1	18-2-2	327.1	81.9	.99S	.15N	58.3	81.4	.99D	.14N	192.7	11.9	14.4	78.1	282.7	.4
			100.8	78.3	.49S	.87N	210.4	31.6	.92D	.39N	312.3	48.2	184.2	28.9	77.6	27.3
ROTATION ABOUT A,C,B AXIS																
	-75.8		100.8	78.3	.96S	.27T	7.6	74.9	.98D	.21T	143.9	2.3	47.2	70.7	234.7	19.1
	88.6		100.8	78.3	.86D	.52N	3.9	59.7	.97S	.23N	236.4	30.0	29.5	57.1	139.2	12.3
	-32.0		308.4	85.2	.52S	.85T	210.4	31.6	.99D	.16T	334.3	32.9	221.3	31.2	99.1	41.4
	32.0		70.2	64.6	.34S	.94N	210.4	31.6	.58D	.82N	284.0	64.8	151.5	17.6	55.8	17.4
	-7.2		104.5	72.1	.51S	.86N	222.1	35.0	.84D	.54N	321.0	52.9	184.2	28.9	81.8	21.2
	4.8		98.4	82.5	.49S	.87N	201.6	30.1	.97D	.26N	307.4	44.8	184.2	28.9	74.6	31.3
			CONE A		28 EXA	.81	CONE C		44 EXC	.93			CONE B		103 EXB	.61

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	88.9	18-2-2	127.0	88.9	.96S	.29T	36.6	73.1	1.00D	.02T	170.6	11.0	40.6	73.1	263.1	12.6
			117.0	84.6	.50S	.86N	216.1	30.8	.98D	.18N	326.0	42.4	203.9	30.2	91.9	32.7
ROTATION ABOUT A,C,B AXIS																
	-75.8		117.0	84.6	.96S	.28T	25.5	73.9	1.00D	.10T	160.3	7.4	45.0	73.0	252.3	15.2
	88.6		117.0	84.6	.85D	.53N	23.7	58.4	.99S	.11N	255.1	25.9	35.7	57.9	156.2	17.7
	-38.4		330.5	76.2	.47S	.88T	216.1	30.8	.88D	.47T	352.0	26.0	247.7	26.9	119.0	50.9
	44.8		74.9	65.1	.32S	.95N	216.1	30.8	.57D	.82N	287.2	64.9	156.8	16.9	61.1	18.0
	-4.0		119.1	81.2	.51S	.86N	223.6	31.7	.96D	.29N	329.8	45.2	203.9	30.2	94.6	29.6
	5.6		114.2	89.5	.50S	.86N	205.1	30.2	1.00D	.02N	321.1	38.1	203.9	30.2	87.7	37.2
			CONE A		28 EXA	.88	CONE C		40 EXC	.94			CONE B		117 EXB	.49

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	88.8	18-2-2	330.4	79.8	1.00S	.10T	239.4	84.6	.98D	.18T	195.2	3.4	301.9	78.4	104.6	11.1
			312.0	84.1	1.00S	.07T	221.5	85.9	.99D	.10T	177.1	1.3	277.2	82.8	86.9	7.1
ROTATION ABOUT A,C,B AXIS																
	-255.0		312.0	84.1	.66D	.75T	48.7	41.5	.99S	.16T	280.4	27.2	36.8	40.8	167.5	37.1
	21.4		312.0	84.1	.95S	.30N	43.8	72.8	.99D	.11N	176.6	16.4	23.6	71.7	268.9	7.9
	-7.2		131.5	88.8	1.00S	.07N	221.5	85.9	1.00D	.02N	356.0	3.8	204.7	85.7	86.1	2.1
	1.2		312.1	82.9	1.00S	.07T	221.5	85.9	.99D	.12T	177.2	2.1	282.0	81.8	86.9	7.9
	-9.6		321.6	84.8	1.00S	.09T	231.1	85.0	1.00D	.09T	186.1	.1	277.2	82.8	96.1	7.2
	2.4		309.6	83.9	1.00S	.07T	219.2	86.2	.99D	.11T	174.3	1.6	277.2	82.8	84.1	7.0
			CONE A		10 EXA	.30	CONE C		58 EXC	.96			CONE B		48 EXB	.97

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AUGUST 28, 1962 H = 10.59.59 38.0N 23.1E DEPTH 120 KM. M = 6.7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		128-21	335	40			194	57					271	20		
	86.2	128-21-15	334.7	45.4	.68S	.73T	207.5	58.5	.57D	.82T	183.6	7.3	277.7	28.9	80.8	60.0
			336.7	45.0	.37S	.93T	185.8	48.9	.34D	.94T	171.7	2.0	262.2	15.0	74.2	74.9
ROTATION ABOUT A,C,B AXIS																
	-0.4		336.7	45.0	.36S	.93T	185.3	48.7	.34D	.94T	171.4	1.9	261.9	14.7	74.2	75.2
	27.8		336.7	45.0	.76S	.65T	215.3	62.5	.60D	.80T	189.7	10.0	286.1	32.4	84.7	55.7
	-4.0		331.6	46.6	.42S	.91T	185.8	48.9	.41D	.91T	169.0	1.2	259.4	17.9	75.3	72.1
	.3		337.1	44.9	.36S	.93T	185.8	48.9	.34D	.94T	171.9	2.1	262.4	14.8	74.1	75.0
	-2.8		338.1	47.6	.35S	.94T	187.1	46.2	.36D	.93T	352.4	.7	262.2	15.0	85.1	75.0
	.2		336.6	44.8	.37S	.93T	185.7	49.0	.34D	.94T	171.6	2.2	262.2	15.0	73.6	74.8
			CONE A	4 EXA	.30		CONE C	9 EXC	.89				CONE B	11 EXB	.85	

DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	87.8	57-8-6	10.0	42.5	.03S	1.00T	192.4	47.5	.03D	1.00T	191.2	2.5	281.3	1.2	36.9	87.2
			328.7	43.1	.48S	.87T	185.8	53.3	.41D	.91T	168.8	5.4	260.7	19.3	63.9	69.9
ROTATION ABOUT A,C,B AXIS																
	-31.0		328.7	43.1	.04D	1.00T	145.9	46.9	.03S	1.00T	147.2	1.9	57.2	1.4	290.8	87.6
	27.8		328.7	43.1	.84S	.55T	213.1	68.0	.62D	.79T	186.4	14.6	286.8	34.9	77.4	51.3
	-25.6		302.5	59.0	.72S	.70T	185.8	53.3	.77D	.64T	333.0	3.3	240.4	37.9	67.3	51.9
	25.6		7.9	36.7	.03D	1.00T	185.8	53.3	.02S	1.00T	186.7	8.3	96.6	1.0	359.8	81.6
	-11.2		335.4	53.1	.41S	.91T	192.6	43.3	.48D	.88T	352.5	5.2	260.7	19.3	96.9	70.0
	3.6		326.0	40.0	.51S	.86T	184.1	56.6	.40D	.92T	167.6	8.8	260.7	19.3	54.3	68.7
			CONE A	28 EXA	.71		CONE C	29 EXC	.75				CONE B	55 EXB	.13	

COMBINATION OF HODGSON AND E.S.A. IN CASES OF DISAGREEMENT OF DATA STATION IS DISCARDED.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
85.2	128-21-18	334.4	40.3	.54S	.84T	194.5	57.0	.42D	.91T	177.2	8.9	270.5	20.5	65.0	67.5
		341.1	39.1	.36S	.93T	187.6	54.0	.28D	.96T	176.0	7.7	267.8	13.2	56.6	74.7
ROTATION ABOUT A,C,B AXIS															
-1.8		341.1	39.1	.33S	.94T	185.5	53.5	.26D	.97T	174.8	7.4	266.4	12.1	54.2	75.8
21.4		341.1	39.1	.68S	.74T	210.9	62.3	.48D	.88T	190.5	12.7	286.6	25.2	76.1	61.4
-9.6		328.0	43.3	.52S	.86T	187.6	54.0	.44D	.90T	169.5	5.7	261.7	20.7	64.9	68.5
3.6		346.6	37.9	.29S	.96T	187.6	54.0	.22D	.98T	178.6	8.2	270.1	10.3	50.8	76.8
-8.0		345.1	46.6	.31S	.95T	190.7	46.4	.31D	.95T	357.8	.1	267.8	13.2	88.3	76.8
1.2		340.4	38.0	.37S	.93T	187.2	55.2	.28D	.96T	175.7	8.8	267.8	13.2	52.8	74.0
		CONE A	11 EXA	.30		CONE C	15 EXC	.60				CONE B	17 EXB	.43	

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AUGUST 31, 1962 H = 17.02.43 51.3N 179.7W DEPTH 21 KM. M = 6.7
STAUDER,W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		S - SOLN.	146	70			355	22			154	24	60	10	309	63
STAUDER	95.3	59-3-3	169.8	67.8	.77S	.64T	62.5	53.9	.88D	.47T	203.3	8.6	104.4	45.6	301.4	43.1
			189.6	63.1	.01S	1.00T	10.3	26.9	.01D	1.00T	189.8	18.1	99.7	.3	8.8	71.9
ROTATION ABOUT A,C,B AXIS																
	-43.8		189.6	63.1	.69D	.73T	305.0	49.7	.81S	.59T	160.2	7.9	256.4	37.9	60.3	51.0
	43.8		189.6	63.1	.70S	.72T	74.6	50.2	.81D	.59T	219.3	7.6	123.2	38.4	318.7	50.6
	-38.4		148.0	69.5	.30S	.95T	10.3	26.9	.63D	.78T	161.5	22.5	64.4	16.5	301.3	61.5
	32.0		224.6	67.3	.25D	.97T	10.3	26.9	.52S	.85T	213.5	21.0	308.8	13.6	69.5	64.6
	-8.0		189.6	71.1	.01S	1.00T	10.6	18.9	.02D	1.00T	189.8	26.1	99.7	.3	9.1	63.9
	25.6		189.3	37.5	.01S	1.00T	9.9	52.5	.01D	1.00T	9.7	7.5	99.7	.3	192.0	82.5

CONE A 49 EXA .52 CONE C 54 EXC .62 CONE B 79 EXB .20

602
SEPTEMBER 1, 1962 H = 03.46.05 51.3N 179.7W DEPTH 25 KM. M = 6.5
STAUDER,W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		S - SOLN.	325	26			146	64			148	19	56	1	325	71
STAUDER	94.8	79-4-4	299.6	51.0	.86S	.52T	188.8	66.3	.73D	.69T	157.5	9.3	255.8	41.7	57.5	46.8
			354.1	32.7	.07S	1.00T	178.9	57.4	.04D	1.00T	177.0	12.4	267.5	2.2	7.4	77.4
ROTATION ABOUT A,C,B AXIS																
	-37.4		354.1	32.7	.55D	.83T	136.1	63.2	.33S	.94T	150.2	16.0	55.1	17.3	280.6	66.1
	31.0		354.1	32.7	.57S	.82T	213.9	63.7	.35D	.94T	199.2	16.4	294.7	18.1	69.7	65.2
	-38.4		300.7	50.5	.72S	.70T	178.9	57.4	.66D	.75T	151.2	3.9	243.8	33.5	55.3	56.2
	44.8		58.2	51.4	.72D	.69T	178.9	57.4	.67S	.74T	207.4	3.4	115.0	34.5	302.4	55.3
	-25.6		356.2	58.3	.04S	1.00T	181.0	31.8	.07D	1.00T	358.0	13.3	267.5	2.2	168.3	76.5
	25.6		340.5	7.4	.29S	.96T	177.8	82.9	.04D	1.00T	175.8	37.9	267.5	2.2	.3	52.1

CONE A 65 EXA .38 CONE C 59 EXC .25 CONE B 75 EXB .18

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
93.9	79-4-4	151.3	72.0	.81S	.59T	48.6	55.9	.93D	.37T	186.7	10.2	84.2	50.2	284.8	37.9
		185.8	66.4	.02D	1.00T	2.5	23.7	.05S	1.00T	184.8	21.4	275.3	1.2	8.4	68.6
ROTATION ABOUT A,C,B AXIS															
-43.8		185.8	66.4	.71D	.71T	297.6	49.7	.85S	.53T	155.2	10.0	253.9	40.5	54.0	47.7
50.2		185.8	66.4	.75S	.66T	76.5	53.0	.86D	.50T	218.4	8.2	120.5	43.6	316.8	45.2
-16.0		168.4	67.0	.10S	1.00T	2.5	23.7	.22D	.97T	172.7	21.8	80.6	5.2	337.9	67.5
14.4		201.4	67.5	.13D	.99T	2.5	23.7	.30S	.95T	195.8	22.1	288.6	6.9	34.9	66.7
-4.8		185.7	71.2	.02D	1.00T	1.8	18.9	.07S	1.00T	184.7	26.2	275.3	1.2	7.7	63.8
2.8		185.9	63.6	.02D	1.00T	2.9	26.5	.05S	1.00T	184.9	18.6	275.3	1.2	8.9	71.4

CONE A 15 EXA .75 CONE C 27 EXC .92 CONE B 53 EXB .68

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	94.5	79-4-4	177.6	67.0	.03S	1.00T	2.3	23.1	.08D	1.00T	179.0	22.0	88.3	1.7	354.1	68.0
			177.6	67.0	.03S	1.00T	2.3	23.1	.08D	1.00T	179.0	22.0	88.3	1.7	354.1	68.0
ROTATION ABOUT A,C,B AXIS																
	-50.2		177.6	67.0	.75D	.66T	286.7	52.3	.87S	.49T	145.3	9.0	243.9	43.5	46.2	45.1
	43.8		177.6	67.0	.72S	.70T	66.7	49.9	.86D	.51T	208.6	10.3	109.4	41.2	309.8	47.0
	-12.8		163.8	68.0	.12S	.99T	2.3	23.1	.29D	.96T	169.3	22.7	76.5	6.6	331.2	66.3
	19.2		198.4	67.8	.11D	.99T	2.3	23.1	.26S	.97T	193.6	22.5	286.0	5.8	29.6	66.6
	-4.8		177.7	71.8	.03S	1.00T	3.5	18.3	.09D	1.00T	179.2	26.8	88.3	1.7	354.9	63.2
	2.0		177.5	65.0	.03S	1.00T	1.9	25.1	.07D	1.00T	178.9	20.0	88.3	1.7	353.6	69.9
			CONE A	15 EXA	.79		CONE C	25 EXC	.93				CONE B	55 EXB	.66	

THE ABOVE SOLN. REPRESENTS UNDEFINED CENTRAL DILATATIONAL CIRCLES.

603
SEPTEMBER 1, 1962 H = 07.51.08 51.3N 179.9W DEPTH 42 Km. M = 6.5
STAUDER,W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		S - SOLN.	297	3			159	88			156	43	249	2	341	47
STAUDER	94.3	69-4-4	215.2	63.7	.80S	.60T	106.7	57.2	.85D	.53T	249.7	4.0	155.6	45.6	343.6	44.1
			207.4	65.1	.20S	.98T	53.2	27.3	.39D	.92T	216.0	19.3	122.3	10.4	5.5	67.9
ROTATION ABOUT A,C,B AXIS																
	-56.6		207.4	65.1	.71D	.71T	320.2	50.2	.84S	.55T	177.0	8.9	274.5	39.9	76.7	48.7
	37.4		207.4	65.1	.75S	.66T	97.2	53.4	.85D	.52T	239.9	7.1	143.2	43.1	337.3	46.0
	-22.4		184.2	71.3	.35S	.94T	53.2	27.3	.72D	.70T	199.7	23.7	100.9	19.2	335.9	58.7
	9.6		217.9	63.5	.12S	.99T	53.2	27.3	.24D	.97T	223.1	18.2	131.0	6.2	23.0	70.7
	-4.8		208.4	69.8	.19S	.98T	58.1	23.0	.46D	.89T	217.0	24.0	122.3	10.4	10.6	63.6
	2.4		206.9	62.7	.20S	.98T	51.3	29.5	.37D	.93T	215.5	16.9	122.3	10.4	2.1	70.8
			CONE A	15 EXA	.77		CONE C	26 EXC	.92				CONE B	55 EXB	.66	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT SIRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	93.6	69-5-5	260.0	43.1	.93S	.37T	153.7	75.3	.66D	.75T	124.2	19.7	231.3	39.4	14.0	44.1
			346.0	26.6	.23S	.97T	180.5	64.1	.11D	.99T	175.7	18.9	267.7	5.8	14.1	70.2
ROTATION ABOUT A,C,B AXIS																
	-37.4		346.0	26.6	.41D	.91T	139.2	65.9	.20S	.98T	147.9	20.1	54.0	10.6	297.7	67.1
	24.6		346.0	26.6	.61S	.79T	206.8	69.2	.29D	.96T	193.9	22.4	290.6	15.9	53.0	62.0
	-38.4		294.2	50.4	.82S	.57T	180.5	64.1	.71D	.71T	150.3	8.2	247.1	39.4	50.7	49.4
	51.2		66.8	50.3	.82D	.57T	180.5	64.1	.70S	.71T	210.7	8.2	113.9	39.3	310.4	49.5
	-28.8		353.6	55.0	.12S	.99T	185.9	35.6	.17D	.98T	358.7	9.7	267.7	5.8	147.4	78.6
	19.2		317.4	8.9	.65S	.76T	178.4	83.2	.10D	.99T	173.2	37.9	267.7	5.8	5.0	51.5
			CONE A	66 EXA	.46		CONE C	55 EXC	.23				CONE B	75 EXB	.31	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	93.8	69-5-5	323.8	13.9	.20S	.98T	155.5	76.4	.05D	1.00T	153.2	31.3	244.8	2.7	339.2	58.5
			11.6	26.7	.10D	.99T	185.1	63.5	.05S	1.00T	187.3	18.4	96.4	2.6	358.7	71.4
ROTATION ABOUT A,C,B AXIS																
	-37.4		11.6	26.7	.68D	.73T	145.1	70.9	.33S	.95T	159.6	23.6	61.5	17.9	298.0	59.7
	27.8		11.6	26.7	.37S	.93T	215.9	65.4	.18D	.98T	207.9	19.7	301.4	9.7	56.2	67.8
	-44.8		301.5	48.2	.80S	.60T	185.1	63.5	.67D	.74T	156.5	9.0	253.2	36.7	54.9	51.9
	44.8		73.0	53.0	.83D	.56T	185.1	63.5	.74S	.67T	216.8	6.3	121.2	41.5	313.8	47.8
	-25.6		8.4	52.2	.06D	1.00T	183.0	37.9	.07S	1.00T	6.1	7.2	96.4	2.6	206.2	82.4
	14.4		18.3	12.4	.21D	.98T	185.8	77.9	.05S	1.00T	188.1	32.8	96.4	2.6	2.4	57.0
			CONE A		60 EXA	.55	CONE C		51 EXC	.39			CONE B		76 EXB	.27

THE ABOVE SOLN. REPRESENTS UNDEFINED CENTRAL DILATATIONAL CIRCLES.

604
SEPTEMBER 1, 1962 H = 19.20.39 35.6N 50.0E DEPTH 21 KM M = 7.2
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		134-19	227	53			80	42					150	17		
	87.1	134-19-16	226.1	52.8	.35S	.94T	77.8	41.7	.42D	.91T	240.5	5.8	148.8	16.2	349.4	72.8
			223.9	52.4	.38S	.93T	77.7	42.8	.44D	.90T	239.5	5.0	147.9	17.4	345.0	71.8
ROTATION ABOUT A,C,B AXIS																
	-7.0		223.9	52.4	.26S	.96T	67.9	40.1	.32D	.95T	234.6	6.3	143.3	12.0	351.7	76.4
	15.0		223.9	52.4	.61S	.80T	95.1	50.9	.62D	.79T	249.2	.8	158.7	28.7	340.7	61.3
	-7.2		215.8	55.4	.45S	.89T	77.7	42.8	.55D	.84T	234.6	6.7	141.9	22.0	340.7	66.9
	7.2		232.6	50.0	.29S	.96T	77.7	42.8	.33D	.95T	244.3	3.7	153.5	12.8	350.1	76.7
	-3.6		225.5	55.8	.36S	.93T	80.2	39.6	.47D	.88T	240.6	8.5	147.9	17.4	355.5	70.5
	4.0		221.8	48.7	.40S	.92T	75.3	46.4	.41D	.91T	238.3	1.2	147.9	17.4	332.1	72.6
			CONE A		10 EXA	.47	CONE C		13 EXC	.65			CONE B		18 EXB	.35

605
SEPTEMBER 10, 1962 H = 09.36.28 35.6N 27.5E DEPTH 33 KM. M = 5
DATA COLLECTED BY L. CONSTANTINESCU AND SUPPLIED THROUGH EARTHQUAKE MECHANISM COMMITTEE OF THE EUROPEAN SEISMOLOGICAL COMMISSION, A.R. RITSEMA, CHAIRMAN.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
E.S.A	88.7	34-4-4	305.0	58.5	.92S	.39N	47.4	70.8	.83D	.55N	179.8	37.0	343.7	51.9	83.8	7.9
			306.7	57.2	.93S	.36N	48.5	72.4	.82D	.57N	182.0	36.7	342.1	51.6	84.6	9.8
ROTATION ABOUT A,C,B AXIS																
	-3.8		306.7	57.2	.91S	.42N	50.8	69.3	.81D	.58N	182.7	39.4	347.3	49.6	86.4	7.7
	7.0		306.7	57.2	.97S	.24N	44.4	78.2	.83D	.55N	180.6	31.9	331.6	54.6	81.8	13.8
	-9.6		302.0	48.3	.91S	.41N	48.5	72.4	.72D	.70N	184.6	43.2	335.8	43.0	80.1	14.9
	2.0		307.5	59.0	.94S	.35N	48.5	72.4	.84D	.54N	181.8	35.3	343.8	53.3	85.6	8.7
	-2.0		308.9	56.4	.94S	.34N	50.2	73.5	.82D	.58N	184.4	36.2	342.1	51.6	86.2	11.0
	4.8		301.4	59.0	.91S	.41N	44.3	69.7	.84D	.55N	176.1	37.6	342.1	51.6	80.8	6.8
			CONE A		9 EXA	.41	CONE C		9 EXC	.37			CONE B		11 EXB	.07

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	88.5	34-3-3	275.6	48.9	.94S	.35N	19.3	74.8	.73D	.68N	156.3	40.5	305.0	45.0	51.9	16.2
			294.3	7.8	.98S	.20N	35.9	88.4	.13D	.99N	208.0	46.1	306.1	7.7	43.3	42.9
ROTATION ABOUT A,C,B AXIS																
	-21.4		294.3	7.8	.84S	.55N	57.1	85.7	.11D	.99N	230.1	48.9	327.6	6.5	63.2	40.4
	37.4		294.3	7.8	.90S	.43T	178.8	86.6	.12D	.99T	172.2	41.2	268.4	7.0	6.2	47.9
	-51.2		127.5	43.6	1.00D	.04N	35.9	88.4	.69S	.72N	251.0	32.2	124.4	43.5	1.9	29.5
	44.8		304.7	52.5	1.00S	.03N	35.9	88.4	.79D	.61N	176.9	26.8	307.9	52.4	73.8	24.3
	-16.0		8.7	16.3	.48S	.88T	218.1	75.7	.14D	.99T	211.6	30.3	306.1	7.7	48.9	58.6
	16.0		238.9	19.1	.41S	.91N	33.7	72.6	.14D	.99N	201.6	61.6	306.1	7.7	40.1	27.2
			CONE A		55 EXA	.67	CONE C		43 EXC	.46			CONE B		75 EXB	.39

606
SEPTEMBER 15, 1962 H = 22.50.46 48.5N 156.8E DEPTH 33 KM. M = 6.5
STAUDER,W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		S - SOLN.	291	48			82	47			185	74	7	16	96	0
STAUDER	79.7	66-14-13	220.1	56.5	.85S	.52N	328.8	64.2	.79D	.61N	97.5	44.3	268.1	45.3	2.9	4.7
			178.0	48.5	.08S	1.00N	351.1	41.7	.09D	1.00N	39.8	85.2	265.0	3.4	174.8	3.4
ROTATION ABOUT A,C,B AXIS																
	-50.2		178.0	48.5	.71D	.70N	55.0	58.4	.63S	.78N	289.8	57.0	122.1	32.4	28.5	5.6
	37.4		178.0	48.5	.67S	.74N	304.4	56.2	.60D	.80N	67.1	59.6	237.2	30.0	329.7	4.3
	-57.6		111.0	66.1	.58D	.82N	351.1	41.7	.79S	.61N	246.3	54.5	37.0	31.9	135.9	14.0
	28.8		213.2	56.5	.45S	.90N	351.1	41.7	.56D	.83N	85.8	66.7	287.8	21.8	194.6	7.9
	-25.6		183.1	23.0	.15S	.99N	353.5	67.3	.06D	1.00N	166.8	67.5	265.0	3.4	356.4	22.2
	11.2		177.0	59.6	.07S	1.00N	349.2	30.6	.12D	.99N	7.9	75.1	265.0	3.4	174.1	14.5
			CONE A		56 EXA	.57	CONE C		57 EXC	.58			CONE B		87 EXB	.01

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	78.2	66-13-12	35.6	77.4	.98S	.21T	303.0	78.3	.97D	.22T	259.4	.6	351.4	72.7	169.2	17.3
			35.4	78.9	.98S	.19T	303.3	79.4	.98D	.20T	259.2	.3	350.5	74.6	169.1	15.4
ROTATION ABOUT A,C,B AXIS																
	-3.8		35.4	78.9	.97S	.25T	302.5	75.7	.98D	.20T	78.4	2.2	341.7	71.7	169.1	18.2
	1.8		35.4	78.9	.99S	.16T	303.6	81.1	.98D	.19T	259.7	1.5	355.7	75.8	169.3	14.1
	-0.3		35.3	79.2	.98S	.19T	303.3	79.4	.98D	.19T	259.2	.1	349.7	74.8	169.2	15.2
	1.6		35.7	77.4	.98S	.19T	303.3	79.4	.97D	.22T	259.6	1.4	354.3	73.4	169.2	16.5
	-4.0		39.4	79.7	.98S	.20T	307.3	78.6	.98D	.18T	83.3	.8	350.5	74.6	173.5	15.4
	1.8		33.6	78.6	.98S	.18T	301.5	79.7	.98D	.20T	257.7	.8	350.5	74.6	167.5	15.4
			CONE A		3 EXA	.67	CONE C		6 EXC	.03			CONE B		3 EXB	.66

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	77.6	66-14-13	173.3	25.8	.30S	.95N	334.1	65.5	.14D	.99N	138.0	68.4	247.5	7.5	340.3	20.1
			165.0	26.7	.19S	.98N	332.5	63.9	.10D	1.00N	140.6	70.6	245.0	5.0	336.7	18.7
ROTATION ABOUT A,C,B AXIS																
	-6.2		165.0	26.7	.09S	1.00N	339.4	63.4	.04D	1.00N	154.0	71.5	250.6	2.2	341.3	18.4
	8.6		165.0	26.7	.34S	.94N	323.1	65.0	.17D	.99N	124.3	68.5	237.2	8.7	330.3	19.4
	-57.6		81.5	56.5	.85D	.53N	332.5	63.9	.79S	.62N	204.0	44.5	33.1	45.1	298.5	4.5
	44.8		222.5	55.1	.84S	.54N	332.5	63.9	.77D	.64N	101.2	45.8	270.5	43.7	5.7	5.4
	-2.0		166.0	24.7	.21S	.98N	332.8	65.9	.10D	1.00N	142.1	68.6	245.0	5.0	336.9	20.7
	.9		164.7	27.6	.19S	.98N	332.4	63.0	.10D	1.00N	139.9	71.5	245.0	5.0	336.6	17.8
			CONE A	17 EXA	.97		CONE C	7 EXC	.80				CONE B	39 EXB	.86	

THE ABOVE SOLN. REPRESENTS UNDEFINED CENTRAL COMPRESSIONAL CIRCLES.

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SEPTEMBER 18, 1962 H = 00.29.05 7.5N 82.3W DEPTH 33 KM. M = 7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.
STAUDER,W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		74-12	99	83			9	85					63	81		
	86.9	74-11-9	355.3	79.3	.98S	.22N	87.7	77.5	.98D	.19N	221.3	16.6	45.9	73.4	311.7	1.2
			358.5	80.4	.98S	.21N	90.5	78.1	.99D	.17N	224.3	15.2	50.6	74.7	314.8	1.6
ROTATION ABOUT A,C,B AXIS																
	-0.6		358.5	80.4	.98S	.22N	90.6	77.5	.99D	.17N	224.3	15.7	52.0	74.2	314.9	2.0
	.2		358.5	80.4	.98S	.21N	90.5	78.3	.99D	.17N	224.3	15.1	50.1	74.8	314.7	1.5
	-3.2		357.8	77.3	.98S	.21N	90.5	78.1	.97D	.22N	224.2	17.5	42.3	72.5	134.0	.6
	.3		358.6	80.7	.98S	.21N	90.5	78.1	.99D	.16N	224.3	15.1	51.5	74.8	314.8	1.8
	-3.6		2.1	79.7	.98S	.20N	94.2	78.8	.98D	.18N	228.1	15.3	50.6	74.7	318.3	.6
	.5		358.0	80.5	.98S	.21N	90.0	78.0	.99D	.17N	223.8	15.2	50.6	74.7	314.3	1.7
			CONE A	4 EXA	.15		CONE C	2 EXC	.80				CONE B	2 EXB	.77	

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		S - SOLN.	177	39			67	75			40	21	147	35	285	47
STAUDER	93.6	44-3-3	182.8	84.7	.98S	.20T	91.7	78.7	1.00D	.09T	226.8	4.2	117.5	77.5	317.7	11.8
			179.3	83.4	.97S	.23T	87.7	76.8	.99D	.12T	222.9	4.6	115.2	75.2	314.1	14.0
ROTATION ABOUT A,C,B AXIS																
	-0.8		179.3	83.4	.97S	.24T	87.6	76.0	.99D	.12T	222.7	5.2	113.8	74.4	314.1	14.7
	1.4		179.3	83.4	.98S	.21T	87.9	78.2	.99D	.12T	223.0	3.6	117.8	76.4	313.9	13.1
	-6.4		177.8	89.6	.97S	.23T	87.7	76.8	1.00D	.01T	221.9	9.0	89.4	76.8	313.4	9.6
	28.8		187.0	55.5	.96S	.28T	87.7	76.8	.81D	.58T	51.4	13.8	160.0	52.3	311.7	34.2
	-2.0		181.2	83.9	.97S	.23T	89.8	76.5	.99D	.11T	225.1	5.1	115.2	75.2	316.4	13.8
	2.8		176.5	82.8	.97S	.22T	84.9	77.1	.99D	.13T	220.4	4.0	115.2	75.2	311.4	14.2
			CONE A	13 EXA	.86		CONE C	3 EXC	.54				CONE B	9 EXB	.94	

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
93.3	44-3-3	174.9	43.5	.90S	.44T	65.2	72.2	.65D	.76T	36.5	17.3	140.6	38.1	287.2	46.8
		178.5	39.6	.89S	.46T	66.6	72.8	.59D	.81T	40.3	19.6	144.4	34.4	286.2	48.9
ROTATION ABOUT A,C,B AXIS															
-1.0		178.5	39.6	.88S	.48T	65.7	72.2	.59D	.81T	39.6	19.2	143.2	34.0	285.5	49.6
8.6		178.5	39.6	.95S	.33T	73.6	78.0	.62D	.79T	45.3	23.5	154.4	37.0	290.7	43.8
-12.8		171.0	51.2	.93S	.38T	66.6	72.8	.75D	.66T	33.3	13.5	137.8	46.1	291.3	40.7
76.8		317.5	43.5	.90D	.43T	66.6	72.8	.65S	.76T	95.4	17.7	350.8	38.4	204.9	46.2
-0.5		179.2	39.8	.88S	.47T	66.9	72.4	.59D	.81T	40.6	19.2	144.4	34.4	286.8	49.2
4.8		171.6	37.5	.93S	.38T	63.6	76.7	.58D	.81T	37.1	23.4	144.4	34.4	280.1	46.3
		CONE A		22 EXA	.94	CONE C		7 EXC	.45			CONE B		29 EXB	.89

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
92.2	44-4-4	12.5	85.7	.99S	.13N	103.1	82.3	1.00D	.07N	237.9	8.5	73.8	81.2	328.2	2.4
		12.6	85.8	.99S	.13N	103.1	82.4	1.00D	.07N	237.8	8.3	74.0	81.4	328.1	2.4
ROTATION ABOUT A,C,B AXIS															
-1.0		12.6	85.8	.99S	.15N	103.2	81.4	1.00D	.07N	237.8	9.0	76.9	80.5	328.2	3.1
2.2		12.6	85.8	1.00S	.09N	103.0	84.6	1.00D	.07N	237.7	6.7	64.9	83.2	327.8	.8
-9.6		11.3	76.3	.99S	.14N	103.1	82.4	.97D	.24N	237.7	15.1	41.3	74.3	146.6	4.2
2.0		12.8	87.8	.99S	.13N	103.1	82.4	1.00D	.04N	237.8	6.9	86.8	82.1	328.2	3.8
-6.4		18.9	85.0	.99S	.12N	109.5	83.0	1.00D	.09N	244.5	8.5	74.0	81.4	334.7	1.4
1.2		11.4	86.0	.99S	.13N	101.9	82.4	1.00D	.07N	236.6	8.2	74.0	81.4	327.0	2.5
		CONE A		9 EXA	.34	CONE C		5 EXC	.58			CONE B		6 EXB	.72

COMBINATION OF HODGSON AND STAUDER. IN CASES OF DISAGREEMENT
STAUDER IS TAKEN AS CORRECT.

SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
86.7	91-14-12	185.0	89.2	.98S	.19T	94.9	79.2	1.00D	.01T	229.4	7.0	99.2	79.2	320.4	8.2
		184.3	89.1	.98S	.19T	94.1	78.8	1.00D	.02T	228.5	7.3	98.7	78.7	319.6	8.6
ROTATION ABOUT A,C,B AXIS															
0		184.3	89.1	.98S	.19T	94.1	78.8	1.00D	.02T	228.5	7.3	98.7	78.7	319.6	8.6
.8		184.3	89.1	.98S	.18T	94.1	79.6	1.00D	.02T	228.7	6.7	99.1	79.5	319.6	8.0
-1.4		4.0	89.5	.98S	.19N	94.1	78.8	1.00D	.01N	228.6	8.2	91.6	78.8	319.7	7.5
.4		184.4	88.7	.98S	.19T	94.1	78.8	1.00D	.02T	228.6	7.0	100.8	78.7	319.7	8.8
-0.2		184.5	89.2	.98S	.19T	94.3	78.8	1.00D	.02T	229.0	7.4	98.7	78.7	320.1	8.5
1.4		182.9	88.8	.98S	.19T	92.7	78.8	1.00D	.02T	227.0	7.1	98.7	78.7	318.1	8.8
		CONE A		2 EXA	.11	CONE C		1 EXC	.50			CONE B		1 EXB	.56

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	85.5	91-15-13	1.9	82.1	.98S	.20N	93.6	78.4	.99D	.14N	227.4	13.9	58.4	75.9	318.1	2.6
			4.1	82.7	.98S	.18N	95.4	79.5	.99D	.13N	229.3	12.6	59.7	77.2	319.8	2.2
ROTATION ABOUT A,C,B AXIS																
	-0.6		4.1	82.7	.98S	.19N	95.5	78.9	.99D	.13N	229.2	13.0	61.1	76.7	319.8	2.6
	.4		4.1	82.7	.98S	.18N	95.4	79.9	.99D	.13N	229.3	12.3	58.6	77.5	319.7	2.0
	-6.4		2.9	76.4	.98S	.19N	95.4	79.5	.97D	.24N	229.4	17.2	41.8	72.7	138.7	2.1
	1.0		4.3	83.6	.98S	.18N	95.4	79.5	.99D	.11N	229.6	12.0	63.5	77.7	320.3	2.9
	-4.0		8.0	81.9	.98S	.17N	99.5	80.1	.99D	.14N	233.9	12.7	59.7	77.2	324.2	1.3
	.6		3.5	82.8	.98S	.18N	94.8	79.4	.99D	.13N	228.7	12.6	59.7	77.2	319.2	2.4
			CONE A		6 EXA	.38	CONE C		2 EXC	.78			CONE B		3 EXB	.86

608
SEPTEMBER 29, 1962 H = 15.17.48 27.0S 63.6W DEPTH 575 KM. M = 6.5
STAUDER,W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		S - SOLN.	305	40			36	89			68	31	307	40	182	33
STAUDER	88.1	38-4-4	180.7	54.4	.01S	1.00N	359.5	35.6	.02D	1.00N	3.9	80.6	270.3	.6	180.2	9.4
			180.7	54.4	.01S	1.00N	359.5	35.6	.02D	1.00N	3.9	80.6	270.3	.6	180.2	9.4
ROTATION ABOUT A,C,B AXIS																
	-37.4		180.7	54.4	.60D	.80N	52.7	49.3	.64S	.77N	300.9	60.8	114.2	29.0	205.8	2.8
	8.6		180.7	54.4	.16S	.99N	345.0	36.6	.22D	.98N	35.0	78.2	265.3	7.6	174.1	9.0
	-38.4		136.3	62.4	.40D	.92N	359.5	35.6	.61S	.79N	275.4	64.4	57.6	20.7	153.1	14.3
	64.0		248.7	75.8	.54S	.84N	359.5	35.6	.91D	.42N	104.3	48.4	329.7	31.9	223.9	23.7
	-3.2		180.8	51.2	.01S	1.00N	359.6	38.8	.02D	1.00N	5.8	83.8	270.3	.6	180.2	6.2
	19.2		180.5	73.6	.01S	1.00N	358.3	16.4	.04D	1.00N	1.4	61.4	270.3	.6	180.0	28.6
			CONE A		48 EXA	.78	CONE C		32 EXC	.51			CONE B		69 EXB	.55

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	86.7	38-4-4	308.6	37.9	.47S	.88N	94.3	57.2	.35D	.94N	228.2	70.2	15.6	16.9	108.7	10.1
			217.1	59.1	.25D	.97N	63.9	33.8	.39S	.92N	2.2	71.8	134.7	12.5	227.6	13.0
ROTATION ABOUT A,C,B AXIS																
	-37.4		217.1	59.1	.79D	.62N	105.2	58.1	.80S	.60N	341.5	47.5	160.3	42.5	250.9	.6
	56.6		217.1	59.1	.67S	.74N	336.7	50.4	.75D	.67N	91.6	54.4	282.2	35.1	188.7	5.0
	-38.4		178.4	74.4	.51D	.86N	63.9	33.8	.88S	.48N	323.7	51.0	97.4	29.2	201.4	23.4
	57.6		283.8	62.8	.36S	.93N	63.9	33.8	.57D	.82N	141.4	65.6	3.9	18.5	268.6	15.3
	-25.6		206.1	34.7	.38D	.93N	52.6	58.2	.25S	.97N	269.4	72.5	134.7	12.5	42.0	12.0
	32.0		44.7	89.7	.22D	.98T	136.0	12.5	1.00S	.02T	32.6	43.4	134.7	12.5	237.0	44.0
			CONE A		74 EXA	.40	CONE C		74 EXC	.39			CONE B		95 EXB	.02

609
OCTOBER 31, 1962 H = 11.32.29 5.6N 82.6W DEPTH 33 KM. M = 6.5
STAUDER,W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		S - SOLN.	272	87			178	38			61	36	186	38	305	33
STAUDER	86.1	25-3-3	5.2	71.4	1.00S	.05N	96.1	87.4	.95D	.32N	232.2	14.9	13.8	71.2	139.2	11.1
			191.5	58.6	.99S	.15T	96.9	82.5	.85D	.53T	58.2	16.0	175.1	57.5	319.6	27.4
ROTATION ABOUT A,C,B AXIS																
	-0.4		191.5	58.6	.99S	.16T	96.7	82.2	.85D	.53T	58.0	15.8	174.3	57.5	319.5	27.6
	31.0		191.5	58.6	.93S	.38N	293.5	71.1	.84D	.55N	66.1	36.6	229.7	52.2	330.1	8.0
	-51.2		4.3	70.6	.99S	.14N	96.9	82.5	.94D	.33N	232.1	19.0	27.0	69.2	139.2	8.2
	3.6		192.2	55.1	.99S	.16T	96.9	82.5	.82D	.58T	59.5	18.3	176.5	54.0	318.6	29.8
	-0.3		191.8	58.7	.99S	.16T	97.2	82.4	.85D	.52T	58.4	15.9	175.1	57.5	319.9	27.5
	16.0		172.7	57.6	1.00S	.02N	263.4	88.9	.84D	.54N	42.9	23.1	175.1	57.5	303.2	21.5
			CONE A	30 EXA	.70		CONE C	23 EXC	.48				CONE B	41 EXB	.43	

610
NOVEMBER 11, 1962 H = 22.14.19 43.2S 76.0W DEPTH 33 KM. M = 6.7
STAUDER,W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		S - SOLN.	123	43			286	48			40	80	205	10	295	2
STAUDER	96.7	19-0	40.8	84.9	.02S	1.00T	230.9	5.2	.17D	.98T	41.7	39.9	310.9	.9	219.8	50.1
			41.0	85.0	.01S	1.00T	229.5	5.1	.15D	.99T	41.7	40.0	311.1	.7	220.3	50.0
ROTATION ABOUT A,C,B AXIS																
	-63.0		41.0	85.0	.89D	.47T	133.6	62.4	1.00S	.10T	.5	15.5	121.6	61.8	263.8	23.0
	63.0		41.0	85.0	.90S	.44T	308.5	63.9	1.00D	.10T	81.9	14.5	321.0	63.3	177.8	21.9
	-0.3		40.7	85.0	.01S	1.00T	229.5	5.1	.15D	.99T	41.5	40.0	310.8	.8	219.8	50.0
	9.6		50.6	84.9	0D	1.00T	229.5	5.1	.02S	1.00T	50.5	39.9	140.6	.1	230.7	50.1
	0		41.0	85.0	.01S	1.00T	229.5	5.1	.15D	.99T	41.7	40.0	311.1	.7	220.3	50.0
	2.0		41.0	83.0	.01S	1.00T	227.1	7.0	.11D	.99T	41.6	38.0	311.1	.7	220.2	52.0
			CONE A	4 EXA	.80		CONE C	16 EXC	.98				CONE B	35 EXB	.92	

611
NOVEMBER 16, 1962 H = 07.18.37 32.3S 111.1W DEPTH 43 KM. M = 6.7
STAUDER,W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		S - SOLN.	221	72			322	60			184	9	287	54	88	35
STAUDER	96.6	24-1-1	324.4	66.3	.98S	.18N	58.7	80.3	.91D	.41N	193.9	23.8	349.5	64.2	99.7	9.5
			48.0	13.8	.14D	.99T	219.8	76.4	.03S	1.00T	221.5	31.4	130.3	1.9	37.2	58.6
ROTATION ABOUT A,C,B AXIS																
	-56.6		48.0	13.8	.75S	.66T	277.5	80.9	.18D	.98T	268.5	35.1	5.8	10.3	109.7	53.0
	56.6		48.0	13.8	.90D	.43T	162.8	84.1	.22S	.98T	173.9	37.9	74.1	12.4	329.2	49.4
	-57.6		121.9	60.5	.96D	.27T	219.8	76.4	.86S	.51T	258.2	10.5	151.7	56.9	354.6	31.0
	64.0		317.0	62.9	.96S	.26T	219.8	76.4	.88D	.47T	180.6	9.0	285.9	59.1	85.5	29.3
	-38.4		41.8	52.1	.04D	1.00T	217.9	38.0	.05S	1.00T	40.1	7.1	130.3	1.9	235.3	82.7
	28.8		213.3	15.3	.13D	.99N	40.8	74.9	.03S	1.00N	223.6	60.1	130.3	1.9	39.2	29.9
			CONE A	90 EXA	.45		CONE C	87 EXC	.41				CONE B	117 EXB	.07	

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	93.2	24-1-1	37.1	72.6	.62S	.79N	147.9	41.3	.89D	.45N	257.7	47.9	113.9	36.1	9.7	18.6
			220.5	76.7	.03S	1.00T	48.9	13.4	.14D	.99T	222.1	31.7	130.9	1.9	37.8	58.3
ROTATION ABOUT A,C,B AXIS																
	-63.0		220.5	76.7	.88D	.48T	317.7	61.9	.97S	.26T	181.7	9.8	288.0	58.4	86.0	29.7
	56.6		220.5	76.7	.85S	.52T	122.5	59.5	.96D	.27T	258.3	11.3	151.0	56.1	355.4	31.5
	-57.6		162.5	84.5	.21S	.98T	48.9	13.4	.91D	.41T	173.5	38.3	73.7	12.2	329.3	49.1
	57.6		279.1	81.3	.18D	.98T	48.9	13.4	.76S	.65T	270.2	35.5	7.5	10.1	111.0	52.6
	-28.8		41.5	74.5	.03S	1.00N	214.2	15.6	.12D	.99N	224.3	60.5	130.9	1.9	39.8	29.5
	38.4		218.6	38.4	.05S	1.00T	42.4	51.7	.04D	1.00T	40.7	6.7	130.9	1.9	236.7	83.1
			CONE A		88 EXA	.42	CONE C		90 EXC	.44			CONE B		117 EXB	.04

612
NOVEMBER 16, 1962 H = 21.10.02 13.5N 93.2E DEPTH 33 KM. M = 6.2
STAUDER,W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		S - SOLN.	333	63			67	82			102	11	350	62	203	24
STAUDER	97.9	21-0	214.7	26.9	.76S	.65T	87.1	72.8	.36D	.93T	70.9	24.9	170.6	20.0	294.9	57.1
			291.4	11.6	.16S	.99T	121.0	78.6	.03D	1.00T	119.3	33.6	210.6	1.9	303.5	56.4
ROTATION ABOUT A,C,B AXIS																
	-63.0		291.4	11.6	.80D	.59T	57.2	83.2	.16S	.99T	65.5	37.5	328.3	9.3	226.7	50.9
	56.6		291.4	11.6	.91S	.41T	177.8	85.3	.18D	.98T	168.1	39.4	266.9	10.5	9.1	48.7
	-64.0		216.0	66.4	.98S	.22T	121.0	78.6	.91D	.41T	80.2	8.2	187.1	63.5	346.4	25.0
	64.0		25.0	62.7	.97D	.22T	121.0	78.6	.88S	.47T	160.4	10.6	51.4	60.0	256.1	27.7
	-16.0		297.0	27.5	.07S	1.00T	121.6	62.6	.04D	1.00T	120.0	17.6	210.6	1.9	306.6	72.3
	28.8		126.6	17.5	.11S	.99N	300.0	72.6	.03D	1.00N	117.0	62.3	210.6	1.9	301.6	27.6
			CONE A		76 EXA	.65	CONE C		73 EXC	.63			CONE B		124 EXB	.07

613
DECEMBER 7, 1962 H = 14.03.37 29.2N 139.2E DEPTH 400 KM. M = 7
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON		116-27	254	87			160	28					166	28		
	76.2	116-27-25	270.3	78.1	.85S	.53T	173.0	58.8	.97D	.24T	308.3	12.7	198.6	56.1	46.0	30.8
			269.7	78.4	.84S	.54T	172.3	58.0	.97D	.24T	307.3	13.4	197.0	55.5	45.6	31.1
ROTATION ABOUT A,C,B AXIS																
	-1.0		269.7	78.4	.83S	.56T	172.0	57.0	.97D	.24T	307.0	14.1	196.4	54.5	45.9	31.8
	3.8		269.7	78.4	.88S	.48T	173.3	61.7	.97D	.23T	308.8	11.1	199.7	59.0	45.0	28.5
	-0.2		269.6	78.6	.84S	.54T	172.3	58.0	.97D	.23T	307.3	13.6	196.7	55.5	45.7	31.0
	1.4		270.5	77.2	.84S	.54T	172.3	58.0	.97D	.26T	307.9	12.6	199.3	55.0	45.9	32.0
	-0.1		269.8	78.5	.84S	.54T	172.4	58.0	.97D	.24T	307.5	13.5	197.0	55.5	45.8	31.1
	1.0		268.8	77.9	.84S	.54T	171.2	58.2	.97D	.25T	306.5	13.0	197.0	55.5	44.6	31.3
			CONE A		1 EXA	.31	CONE C		2 EXC	.77			CONE B		3 EXB	.67

614
DECEMBER 8, 1962 H = 21.27.18 25.8S 63.2W DEPTH 580 KM.
HODGSON, J.H. AND WICKENS, A.J. 1965 PUB. DOM. OBS., 31, 123. DATA SUPPLIED BY ESPINOSA.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
HODGSON			69	86			329	21					340	21		
	88.6	35-4-4	64.8	81.0	.46S	.89T	317.9	28.6	.95D	.33T	86.9	30.7	339.4	26.9	216.4	47.0
			68.5	83.5	.35S	.94T	321.7	21.4	.95D	.31T	86.2	35.3	341.0	20.3	227.1	47.6
ROTATION ABOUT A,C,B AXIS																
	-13.4		68.5	83.5	.12S	.99T	296.3	9.6	.73D	.68T	74.9	38.1	339.4	7.0	240.7	51.0
	15.0		68.5	83.5	.58S	.81T	329.5	36.0	.98D	.19T	96.6	29.5	343.1	35.2	215.7	40.7
	-3.2		65.5	84.6	.35S	.93T	321.7	21.4	.97D	.26T	83.7	36.3	337.6	20.7	224.2	46.4
	2.4		70.8	82.7	.35S	.94T	321.7	21.4	.94D	.35T	88.1	34.6	343.5	20.0	229.3	48.4
	-0.2		68.6	83.7	.35S	.94T	322.2	21.4	.95D	.30T	86.3	35.5	341.0	20.3	227.3	47.4
	3.6		67.3	80.1	.35S	.94T	312.9	22.8	.90D	.44T	84.4	32.0	341.0	20.3	224.2	50.7
			CONE A		5 EXA	.32		CONE C	10 FXC	.87			CONE B		13 EXB	.80

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	88.1	35-4-4	63.9	81.5	.07S	1.00T	270.5	9.5	.44D	.90T	67.6	36.4	334.5	4.2	238.8	53.3
			64.8	81.2	.06S	1.00T	266.3	9.4	.36D	.93T	67.8	36.1	335.3	3.4	240.7	53.7
ROTATION ABOUT A,C,B AXIS																
	-56.6		64.8	81.2	.80D	.60T	161.3	53.6	.98S	.19T	28.2	18.1	143.2	52.3	286.5	31.8
	3.0		64.8	81.2	.11S	.99T	281.3	10.9	.59D	.81T	70.4	35.9	335.7	6.4	237.0	53.4
	-1.4		63.3	81.3	.06S	1.00T	266.3	9.4	.39D	.92T	66.5	36.2	333.9	3.6	239.0	53.6
	1.4		66.2	81.1	.06S	1.00T	266.3	9.4	.34D	.94T	69.0	36.0	336.7	3.2	242.3	53.8
	-6.4		65.1	87.6	.06S	1.00T	300.1	4.2	.82D	.57T	68.4	42.5	335.3	3.4	241.6	47.3
	1.2		64.7	80.0	.06S	1.00T	264.0	10.6	.33D	.95T	67.7	34.9	335.3	3.4	240.5	54.9
			CONE A		5 EXA	.63		CONE C	21 EXC	.87			CONE B		13 EXB	.95

615
DECEMBER 21, 1962 H = 08.42.48 52.4N 168.5E DEPTH 33 KM. M = 6.7
STAUDER, W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		S - SOLN.	149	86			273	8			143	41	239	7	337	49
STAUDER	87.0	34-5-5	162.6	87.1	.87S	.50T	71.0	60.4	1.00D	.06T	202.9	18.3	77.7	60.2	300.9	22.7
			162.6	87.1	.87S	.50T	71.0	60.4	1.00D	.06T	202.9	18.3	77.7	60.2	300.9	22.7
ROTATION ABOUT A,C,B AXIS																
	-0.6		162.6	87.1	.86S	.50T	70.9	59.8	1.00D	.06T	202.8	18.7	77.6	59.6	301.1	23.1
	1.0		162.6	87.1	.88S	.48T	71.1	61.4	1.00D	.06T	203.2	17.6	77.9	61.2	300.6	22.0
	-3.6		340.9	89.8	.87S	.49N	71.0	60.4	1.00D	0N	201.8	20.6	70.4	60.4	299.8	20.3
	6.4		165.8	81.6	.87S	.50T	71.0	60.4	.99D	.17T	205.1	14.2	90.1	59.0	302.5	26.9
	-8.0		349.6	88.9	.87S	.50N	80.2	60.2	1.00D	.02N	210.9	21.4	77.7	60.2	308.9	19.7
	9.6		154.2	82.4	.88S	.48T	60.1	61.4	.99D	.15T	193.9	14.2	77.7	60.2	290.9	25.6
			CONE A		13 EXA	.43		CONE C	5 EXC	.91			CONE B		4 EXB	.84

616
DECEMBER 22, 1962 H = 15.20.31 52.5N 168.8W DEPTH 47 KM. M = 6.2
STAUDER,W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		S - SOLN.	146	87			256	10			137	41	236	9	337	47
STAUDER	85.3	39-6-6	192.0	69.2	.84S	.54T	89.1	59.5	.91D	.41T	228.7	6.2	130.8	51.7	323.5	37.6
			192.6	69.1	.84S	.55T	89.5	59.2	.91D	.41T	229.1	6.3	131.1	51.4	324.0	37.9
ROTATION ABOUT A,C,B AXIS																
	-0.4		192.6	69.1	.83S	.55T	89.3	58.8	.91D	.42T	228.9	6.5	130.7	51.1	324.0	38.1
	.8		192.6	69.1	.84S	.54T	89.9	59.9	.91D	.41T	229.5	5.9	131.9	52.0	324.0	37.4
	-19.2		182.2	85.5	.86S	.51T	89.5	59.2	1.00D	.09T	221.8	17.9	99.7	58.8	320.3	24.7
	115.2		336.0	56.3	.79D	.62T	89.5	59.2	.76S	.65T	122.1	1.7	30.6	40.9	214.1	49.0
	-0.6		193.2	69.5	.83S	.55T	90.1	58.9	.91D	.41T	229.6	6.8	131.1	51.4	324.9	37.8
	.7		192.0	68.8	.84S	.55T	88.7	59.5	.91D	.42T	228.6	5.9	131.1	51.4	323.2	38.0
			CONE A		13 EXA	.99	CONE C		1 EXC	.08			CONE B		13 EXB	.99

	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	83.9	39-7-7	152.9	82.5	.68S	.73T	54.9	43.3	.98D	.19T	184.9	25.0	69.8	42.3	295.8	37.4
			153.2	82.5	.68S	.74T	55.1	43.1	.98D	.19T	185.0	25.1	70.0	42.1	296.1	37.5
ROTATION ABOUT A,C,B AXIS																
	-101.4		153.2	82.5	.86D	.52T	247.6	59.1	.99S	.15T	114.3	15.7	231.1	58.0	16.1	27.1
	13.4		153.2	82.5	.83S	.56T	58.2	56.3	.99D	.16T	191.0	17.4	74.0	55.3	291.0	28.9
	-3.6		150.5	85.0	.68S	.73T	55.1	43.1	.99D	.13T	183.2	27.0	65.1	42.7	294.3	35.3
	0		153.2	82.5	.68S	.74T	55.1	43.1	.98D	.19T	185.0	25.1	70.0	42.1	296.1	37.5
	-6.4		157.5	87.3	.67S	.74T	64.5	42.3	1.00D	.07T	190.5	29.4	70.0	42.1	302.7	33.8
	.2		153.0	82.4	.68S	.74T	54.8	43.1	.98D	.19T	184.9	25.0	70.0	42.1	296.0	37.6
			CONE A		5 EXA	.45	CONE C		28 EXC	.94			CONE B		20 EXB	.97

617
DECEMBER 26, 1962 H = 22.25.16 53.9N 168.7W DEPTH 33 KM. M = 6.5
STAUDER,W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		S - SOLN.	127	85			234	15			114	39	215	14	322	48
STAUDER	94.1	48-4-4	162.1	69.4	.90S	.44T	62.3	65.7	.92D	.39T	201.6	2.4	107.8	57.2	293.1	32.7
			170.8	72.0	.91S	.41T	73.0	67.3	.94D	.34T	211.1	3.1	115.6	60.3	302.9	29.5
ROTATION ABOUT A,C,B AXIS																
	-0.4		170.8	72.0	.91S	.41T	72.8	66.9	.94D	.34T	211.0	3.4	115.1	60.0	302.9	29.8
	3.8		170.8	72.0	.94S	.35T	74.3	70.8	.94D	.33T	212.4	.8	120.9	63.2	302.8	26.8
	-9.6		166.9	80.8	.92S	.39T	73.0	67.3	.98D	.17T	208.1	9.2	97.5	65.3	302.0	22.7
	115.2		321.7	49.1	.86D	.51T	73.0	67.3	.70S	.71T	103.5	10.9	4.0	40.5	205.6	47.4
	-1.0		171.8	72.4	.91S	.41T	74.0	66.9	.94D	.33T	212.0	3.6	115.6	60.3	304.1	29.4
	7.2		163.8	69.2	.93S	.37T	65.8	69.8	.93D	.38T	24.9	.4	115.6	60.3	294.6	29.7
			CONE A		32 EXA	.93	CONE C		6 EXC	.49			CONE B		23 EXB	.97

618
DECEMBER 29, 1962 H = 10.41.04 20.0S 69.9W DEPTH 46 KM. M = 6.7
STAUDER,W. AND BOLLINGER, G.A. 1964 AF-AFOSR REPORT NO. 62-458.

AUTHOR	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
STAUDER		S - SOLN.	238	66			78	25			243	20	151	9	41	67
STAUDER	96.6	27-1-1	306.4	55.9	1.00S	.09N	39.4	85.6	.83D	.56N	178.5	26.8	315.8	55.5	77.8	20.0
			35.6	24.2	.42D	.91T	189.0	68.1	.18S	.98T	197.1	22.4	103.0	9.8	350.9	65.3
ROTATION ABOUT A,C,B AXIS																
	-63.0		35.6	24.2	.62S	.78T	256.6	71.3	.27D	.96T	244.5	24.7	341.5	14.8	99.5	60.7
	56.6		35.6	24.2	.99D	.15T	133.7	86.4	.41S	.91T	154.7	36.9	45.3	23.9	290.4	43.6
	-64.0		93.1	75.7	.92D	.38T	189.0	68.1	.96S	.27T	52.2	5.1	152.5	63.4	319.7	26.0
	64.0		294.5	56.4	.89S	.45T	189.0	68.1	.80D	.60T	154.0	7.3	252.3	48.2	57.7	40.9
	-28.8		20.8	51.7	.22D	.98T	181.1	40.0	.27S	.96T	12.0	5.9	103.0	9.8	251.2	78.5
	32.0		148.3	13.8	.71D	.70N	14.7	80.4	.17S	.98N	206.5	53.6	103.0	9.8	6.1	34.7
			CONE A		88 EXA	.52	CONE C		85 EXC	.49			CONE B		124 EXB	.07

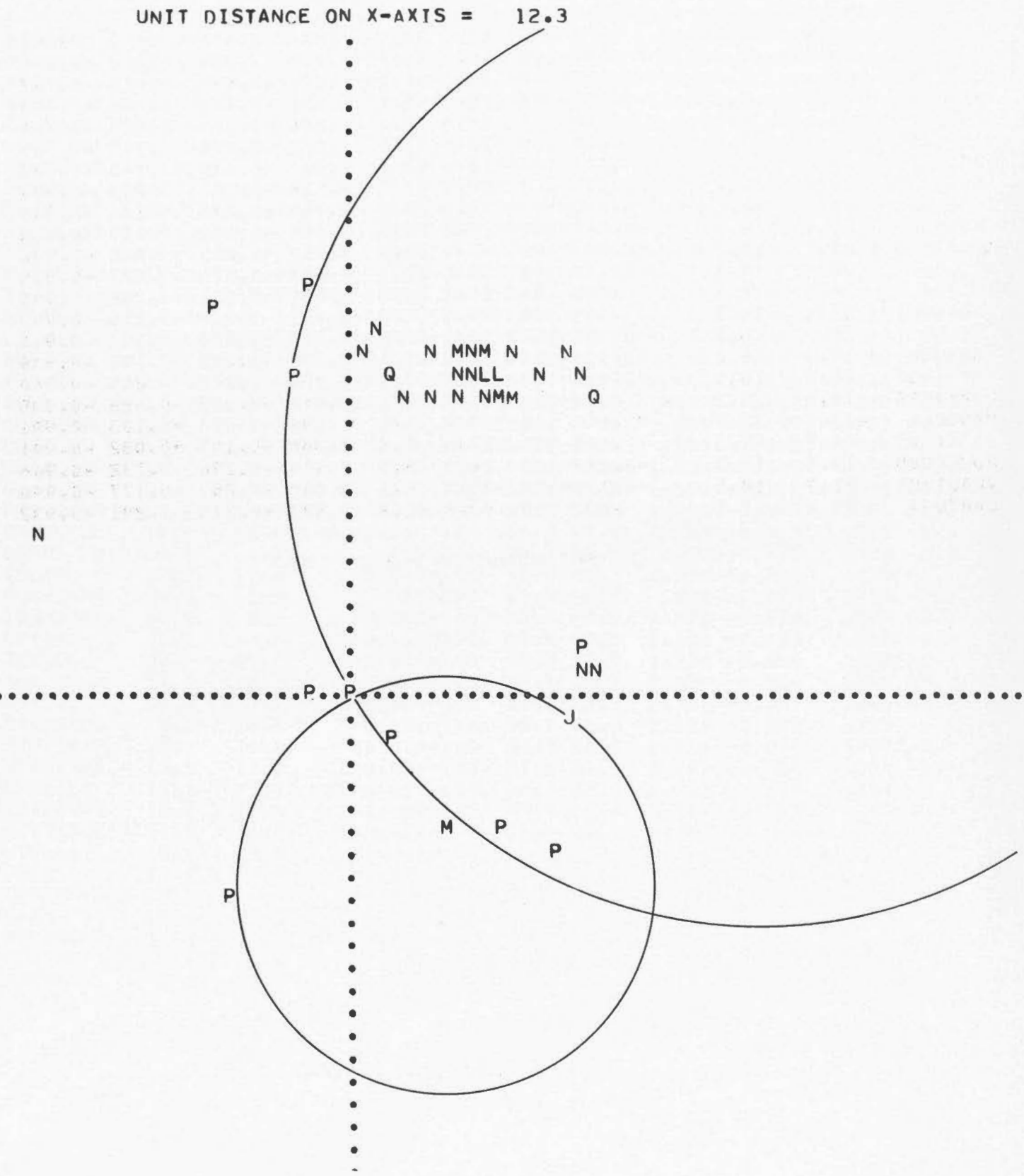
	SCORE	OBSERVED	PLANE A AZ	PLANE A DIP	A COMPONENT STRIKE	A COMPONENT DIP	PLANE C AZ	PLANE C DIP	C COMPONENT STRIKE	C COMPONENT DIP	P AXIS AZ	P AXIS PL	B AXIS AZ	B AXIS PL	T AXIS AZ	T AXIS PL
	96.6	27-1-1	324.4	49.3	1.00S	.04T	232.9	88.2	.76D	.65T	196.3	26.1	320.8	49.2	90.6	28.9
			35.3	24.1	.41D	.91T	188.9	68.2	.18S	.98T	196.9	22.5	102.8	9.7	351.0	65.3
ROTATION ABOUT A,C,B AXIS																
	-56.6		35.3	24.1	.99D	.16T	133.6	86.3	.40S	.91T	154.5	36.9	45.2	23.8	290.3	43.7
	63.0		35.3	24.1	.62S	.78T	256.5	71.4	.27D	.96T	244.4	24.8	341.4	14.8	99.3	60.6
	-64.0		294.3	56.5	.90S	.45T	188.9	68.2	.80D	.59T	153.9	7.3	252.2	48.3	57.5	40.8
	64.0		93.0	75.6	.92D	.38T	188.9	68.2	.96S	.27T	52.1	5.0	152.1	63.4	319.6	26.1
	-28.8		20.6	51.6	.22D	.98T	181.1	40.0	.26S	.97T	11.8	5.9	102.8	9.7	251.0	78.6
	32.0		148.6	13.8	.71D	.71N	14.5	80.3	.17S	.99N	206.3	53.7	102.8	9.7	6.0	34.6
			CONE A		88 EXA	.52	CONE C		85 EXC	.49			CONE B		124 EXB	.07

Table II

4

* OCTOBER 24, 1927 H = 15.59.55 57.6N 137.0W M = 7.1

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION	DIR. COSINES	
LENINGRA	2.9	13.6	W	-0.165	100	7.2	27.9	1.890	-0.464	.058	-0.884
POULKOVO	2.9	13.6	W	-0.164	100	7.2	27.8	1.894	-0.463	.058	-0.884
HELSINKI	4.0	13.4		-0.190	-100	10.1	28.1	1.871	-0.464	.083	-0.882
LEMBERG	5.9	15.3		-0.148	-100	12.8	24.7	2.169	-0.408	.093	-0.908
UPPSALA	5.6	13.0		-0.221	-100	14.3	28.3	1.856	-0.460	.117	-0.880
BUDAPEST	7.8	15.4		-0.159	-100	16.7	24.2	2.221	-0.393	.118	-0.912
VIENNA	8.4	15.0		-0.173	-100	18.3	24.6	2.184	-0.395	.131	-0.909
COPENHAG	7.6	13.4		-0.221	-100	18.6	27.2	1.949	-0.432	.146	-0.890
POTSDAM	8.3	14.0		-0.204	-100	19.3	26.0	2.046	-0.414	.145	-0.898
ZAGREB	9.1	15.5		-0.164	-100	19.2	23.9	2.259	-0.382	.133	-0.914
HAMBURG	8.7	13.5		-0.220	-100	20.8	26.6	1.997	-0.418	.159	-0.894
MUNICH	9.7	14.6		-0.190	-100	21.6	24.8	2.159	-0.391	.154	-0.907
INNSBRUC	10.0	14.7		-0.187	-100	22.0	24.6	2.184	-0.386	.156	-0.909
FELDBERG	10.7	14.2		-0.201	-100	24.1	25.0	2.144	-0.386	.172	-0.906
HOHENHEI	10.2	14.2		-0.201	-100	23.0	25.2	2.127	-0.392	.166	-0.905
RAVENSBU	10.3	14.4		-0.196	-100	23.0	24.9	2.158	-0.387	.165	-0.907
KARLSRUH	10.3	14.1		-0.205	-100	23.4	25.3	2.114	-0.392	.170	-0.904
ZURICH	10.7	14.3		-0.197	-100	23.9	24.8	2.163	-0.384	.170	-0.908
STRASBOU	10.6	14.1		-0.205	-100	24.0	25.2	2.122	-0.389	.173	-0.905
DE BILT	10.1	13.3		-0.230	-100	24.4	26.5	2.008	-0.406	.184	-0.895
MONCALIE	11.7	14.6		-0.190	-100	25.3	24.2	2.228	-0.370	.175	-0.912
UCCLE	10.7	13.3		-0.226	-100	25.4	26.1	2.038	-0.398	.189	-0.898
PARC ST	11.7	13.4		-0.223	-100	27.4	25.7	2.080	-0.385	.199	-0.901
KEW	11.5	12.7		-0.243	-100	28.1	26.7	1.986	-0.396	.212	-0.893
OXFORD	11.5	12.6		-0.248	-100	28.6	26.9	1.971	-0.397	.216	-0.892
BARCELON	14.3	14.3		-0.189	-100	30.5	23.5	2.296	-0.344	.203	-0.917
ALGER UN	15.9	15.3		-0.163	-100	31.5	22.0	2.477	-0.319	.196	-0.927
CARTUJA	17.3	13.9		-0.182	-100	36.4	22.8	2.380	-0.312	.230	-0.922
SAN FER	18.2	13.4	W	-0.184	100	38.7	22.8	2.373	-0.303	.242	-0.922
LISBON	17.7	12.6	W	-0.201	100	39.8	23.9	2.260	-0.310	.259	-0.915
OTTAWA	16.9	1.5	W	-0.097	100	81.3	35.6	1.397	-0.089	.575	-0.813
FORDHAM	17.7	.9		-0.072	-100	84.9	34.6	1.451	-0.050	.565	-0.824
TORONTO	16.9	.7		-0.059	-100	86.2	35.8	1.385	-0.039	.584	-0.811
MILWAUKE	16.2	-0.7	W	.001	-100	94.2	37.1	1.322	.044	.601	-0.798
CHICAGO	16.3	-0.9		.005	100	95.5	36.7	1.340	.057	.595	-0.802
CHICAGO	16.3	-0.9		.005	100	95.3	36.8	1.337	.055	.596	-0.801
SITKA	-0.2	.1		.663	100	126.1	91.4	.024	.589	.808	.024
TACUBAYA	14.7	-6.8		.016	100	128.0	33.3	1.524	.338	.432	-0.836
VICTORIA	3.4	-1.9		.279	100	132.8	69.3	.378	.635	.687	-0.354
TUCSON	11.3	-6.4		.013	100	133.6	38.2	1.272	.426	.447	-0.786
MOUNT HA	7.0	-6.4		-0.075	-100	146.9	43.5	1.052	.577	.376	-0.725
BERKELEY	6.7	-6.3		-0.083	-100	147.6	44.2	1.027	.589	.374	-0.717
HONOLULU	-9.0	-8.7		.004	100	211.4	35.4	1.406	.495	-0.302	-0.815
KODIAK	-3.1	.2		.918	100	274.9	75.8	.252	-0.083	-0.966	-0.245
ZI KA WE	-23.2	6.9	W	.503	-100	296.6	25.3	2.116	-0.191	-0.382	-0.904
TASHKENT	-10.1	16.5		.134	100	340.1	22.4	2.425	-0.358	-0.130	-0.925
SVERDLOV	-4.4	14.0		.014	100	349.4	26.9	1.967	-0.445	-0.084	-0.892
BAKU	-2.9	18.5		.021	100	354.6	21.3	2.562	-0.362	-0.034	-0.932
MAKEEVKA	1.7	16.4		-0.074	-100	3.5	23.8	2.262	-0.403	.024	-0.915
KUCINO	1.3	14.7		-0.107	-100	3.1	26.3	2.024	-0.442	.024	-0.897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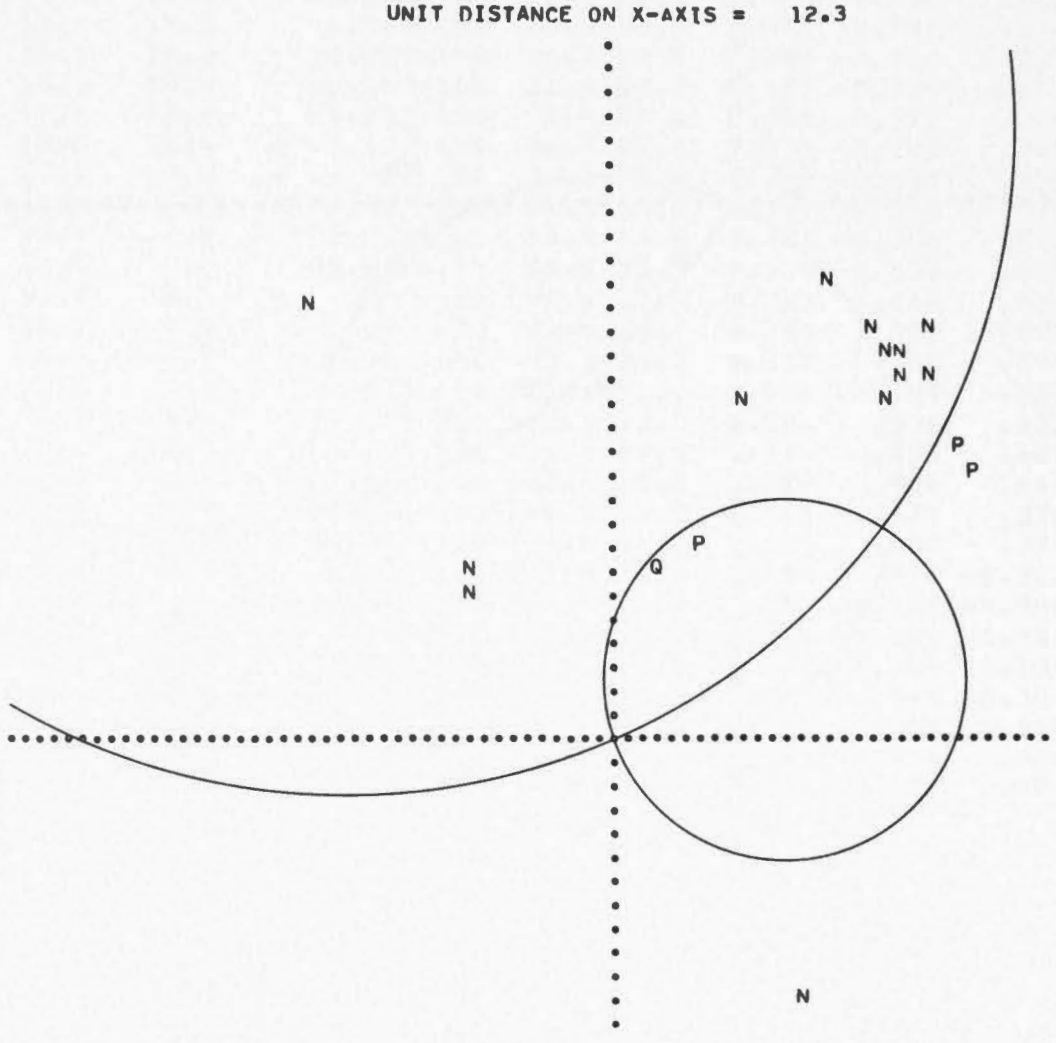
13

* JANUARY 15, 1931 H = 01.50.41 16.4N 96.3W DEPTH NORMAL

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION	DIR. COSINES	
LA PLATA	13.4	-11.3	W	.176	-100	145.0	27.7	1.905	.381	.266	-0.886
BERKELEY	-10.4	6.9		-0.457	-100	318.0	38.1	1.274	-0.459	-0.413	-0.787
PASADENA	-9.9	6.0		-0.508	-100	315.9	40.7	1.161	-0.468	-0.454	-0.758
SCARBORO	6.4	8.3		.066	100	24.6	38.3	1.264	-0.564	.258	-0.784
FLORISSA	2.7	7.5		.042	100	12.0	43.5	1.052	-0.674	.143	-0.725
SAINT LO	2.8	7.4		.047	100	12.4	43.7	1.047	-0.674	.148	-0.723
KEW	19.4	14.2		-0.003	-100	39.0	21.7	2.515	-0.287	.233	-0.929
COPENHAG	18.1	16.8		-0.010	-100	32.5	20.0	2.748	-0.288	.184	-0.940
SCORESBY	8.9	14.3		-0.028	-100	20.2	25.5	2.099	-0.403	.149	-0.903
STRASBOU	21.7	15.2		-0.003	-100	40.2	20.0	2.752	-0.261	.220	-0.940
UCCLE	20.3	14.9		-0.004	-100	38.8	20.7	2.643	-0.276	.222	-0.935
TOLEDO	24.1	11.5		.000	100	51.1	21.6	2.531	-0.231	.286	-0.930
TANANARI	102.1	-10.1		.103	100	99.5	6.7	8.451	.019	.116	-0.993
VIENNA	22.0	16.6		-0.004	-100	38.1	19.0	2.908	-0.256	.201	-0.946
HAMBURG	19.2	16.2		-0.007	-100	35.0	20.1	2.730	-0.282	.197	-0.939
GOTTINGE	20.3	16.0		-0.005	-100	36.9	19.9	2.759	-0.272	.204	-0.940
DJAKARTA	-118.8	28.2	W	.084	-100	291.8	5.5	10.444	-0.035	-0.088	-0.995
MANILLA	-73.4	33.9		.045	100	307.9	7.5	7.598	-0.080	-0.103	-0.991
ZI KA WE	-54.7	42.3		.028	100	322.6	7.8	7.346	-0.107	-0.082	-0.991
POULKOVO	14.5	19.3		-0.022	-100	24.0	18.9	2.919	-0.296	.132	-0.946
VLADIVOS	-21.2	18.1		-0.119	-100	325.4	18.2	3.040	-0.257	-0.177	-0.950
CARTUJA	25.4	11.1		.000	100	53.6	21.2	2.573	-0.215	.291	-0.932

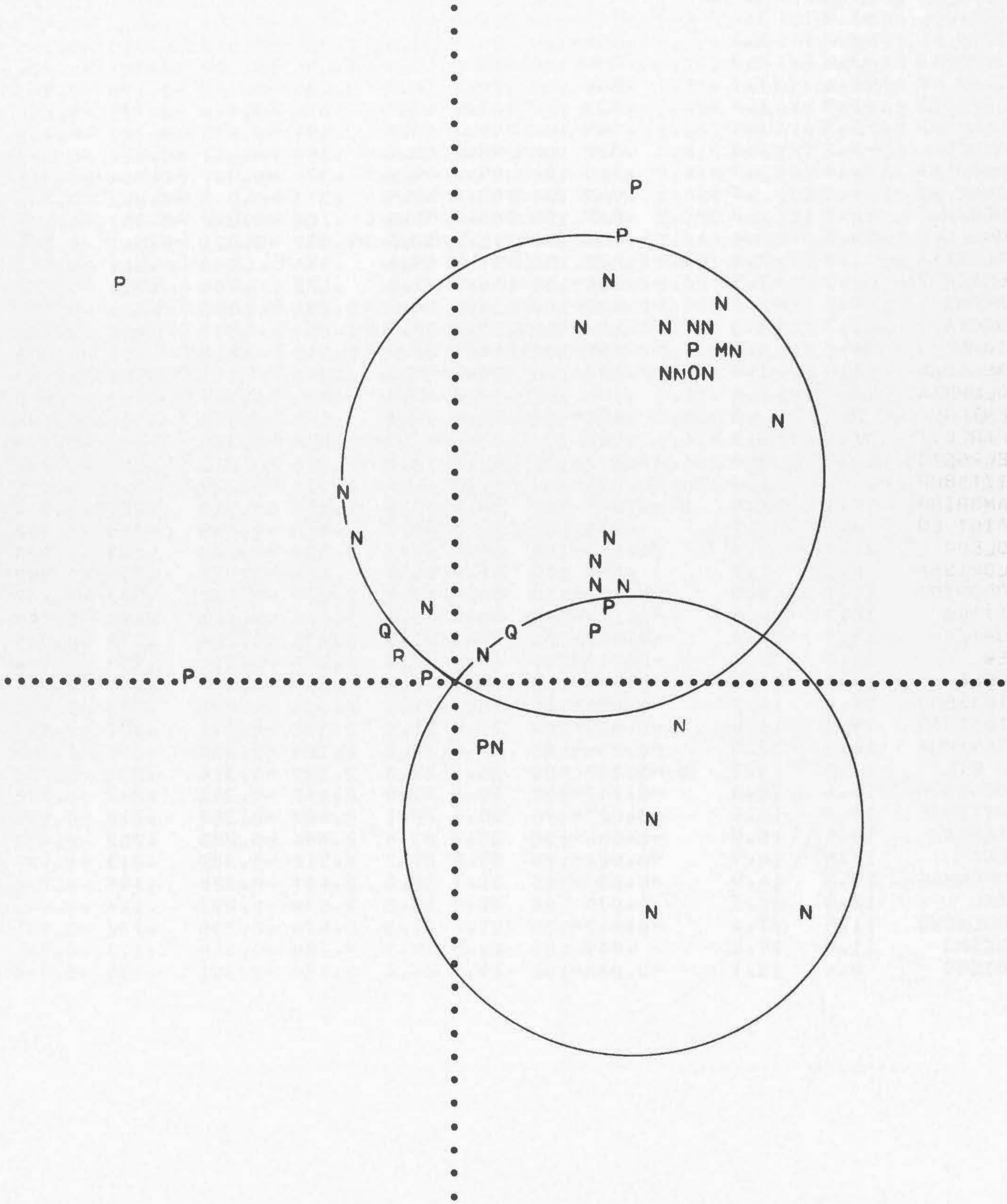


16

* AUGUST 16, 1931 H = 11.40.21 30.9N 104.2W DEPTH NORMAL M = 6.4

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
BOZEMAN	-1.8	3.4		-0.705	-100	342.0	64.0	.487	-0.854	-0.278	-0.439
SITKA	-8.2	8.3		-0.006	-100	329.6	37.0	1.325	-0.519	-0.305	-0.798
VICTORIA	-7.3	6.3		-0.050	-100	325.8	43.4	1.056	-0.568	-0.387	-0.726
ZI KA WE	-23.6	17.1		.280	100	320.7	18.2	3.039	-0.242	-0.198	-0.950
BERKELEY	-5.5	1.9		.323	100	300.0	62.7	.515	-0.444	-0.770	-0.458
MOUNT HA	-5.3	1.7		.347	100	298.7	63.8	.491	-0.431	-0.787	-0.442
HAIWEE	-4.2	1.3		.312	100	298.2	68.8	.388	-0.441	-0.821	-0.362
PASADENA	-4.4	.9		.556	100	289.2	69.4	.376	-0.307	-0.884	-0.352
MOUNT WI	-4.3	.9		.543	100	289.6	69.5	.373	-0.315	-0.882	-0.350
TUCSON	-2.0	.3		.539	100	285.4	80.4	.168	-0.262	-0.951	-0.167
HONOLULU	-19.0	.4		.753	100	272.2	32.8	1.552	-0.021	-0.541	-0.841
TACUBAYA	1.8	-2.5	W	-0.822	100	157.3	69.4	.376	.863	.361	-0.353
VERACRUZ	2.9	-2.5		-0.684	-100	146.1	67.1	.422	.764	.514	-0.389
LA PAZ	14.5	-9.7		-0.113	-100	138.5	29.3	1.784	.366	.324	-0.872
BOGOTA	13.7	-6.0		-0.163	-100	126.6	35.7	1.394	.347	.468	-0.813
RIO DE J	24.6	-10.1		-0.009	-100	124.9	22.3	2.443	.216	.311	-0.926
SAN JUAN	16.5	-1.9		-0.033	-100	100.8	36.2	1.368	.111	.580	-0.807
COLUMBIA	10.1	1.6		.104	100	74.8	49.5	.855	-0.199	.733	-0.650
DENTON	2.1	.5	W	.496	-100	66.9	79.4	.187	-0.385	.904	-0.185
CHARLOTT	11.4	3.3		.005	100	63.6	44.0	1.035	-0.309	.622	-0.719
GEORGETO	11.7	3.6		-0.007	-100	62.7	42.8	1.079	-0.312	.604	-0.734
PITTSBUR	10.4	4.0		-0.036	-100	57.3	44.6	1.013	-0.379	.591	-0.712
CAMBRIDG	17.1	12.8	W	-0.045	100	38.3	23.9	2.253	-0.318	.251	-0.914
SAINT LO	4.1	1.9		.074	100	52.1	66.9	.426	-0.565	.726	-0.392
TOLEDO	22.7	11.0		-0.014	-100	50.8	22.7	2.390	-0.244	.299	-0.923
FLORISSA	4.1	1.9		.058	100	51.3	66.9	.426	-0.575	.718	-0.392
TORONTO	10.1	5.0		-0.102	-100	50.0	43.0	1.073	-0.438	.522	-0.732
OTTAWA	10.7	5.6		-0.111	-100	48.8	40.6	1.166	-0.429	.490	-0.759
ZURICH	19.7	14.2		-0.016	-100	39.3	21.5	2.538	-0.284	.232	-0.930
KEW	17.4	12.7		-0.043	-100	39.1	23.9	2.258	-0.314	.255	-0.914
UCCLE	17.9	13.5		-0.034	-100	38.1	22.9	2.363	-0.307	.240	-0.921
STRASBOU	19.0	14.1		-0.021	-100	38.7	21.9	2.489	-0.291	.233	-0.928
STUTTGAR	19.0	14.4		-0.019	-100	37.9	21.7	2.517	-0.291	.227	-0.929
STONYHUR	16.3	12.5		-0.054	-100	37.6	24.6	2.183	-0.330	.254	-0.909
DE BILT	17.2	13.7	W	-0.037	100	36.7	23.0	2.352	-0.314	.234	-0.920
EDINBURG	15.4	12.6		-0.062	-100	35.8	25.0	2.142	-0.343	.247	-0.906
GOTTINGE	17.5	14.6		-0.027	-100	35.4	22.1	2.462	-0.307	.218	-0.927
VIENNA	19.0	15.9		-0.006	-100	35.3	20.4	2.684	-0.285	.202	-0.937
JENA	17.8	14.9		-0.022	-100	35.2	21.7	2.512	-0.302	.213	-0.929
COPENHAG	15.2	14.9		-0.036	-100	31.1	22.6	2.407	-0.328	.198	-0.924
BAKU	12.9	20.7		.030	100	20.2	18.2	3.039	-0.293	.108	-0.950
POULKOVO	11.5	17.4		-0.017	-100	21.4	21.3	2.570	-0.338	.132	-0.932
KUCINO	11.9	19.0		.007	100	20.3	19.7	2.789	-0.316	.117	-0.941
ABISKO	8.8	15.1		-0.066	-100	19.1	24.4	2.199	-0.391	.135	-0.910

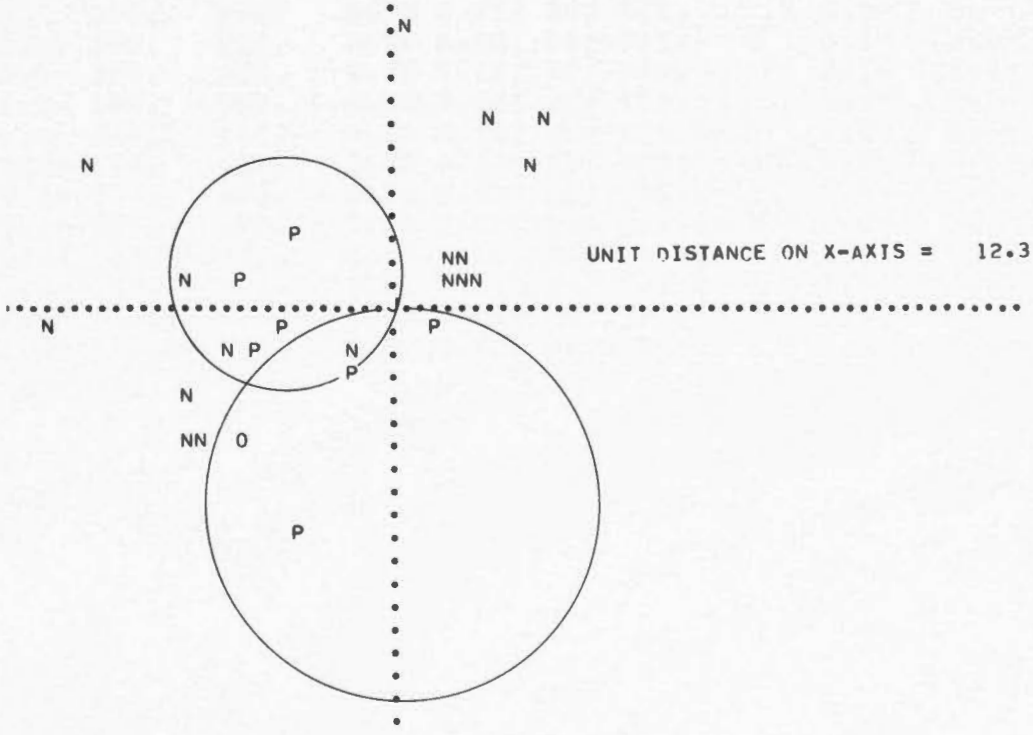
UNIT DISTANCE ON X-AXIS = 12.3



25

* JULY 25, 1932 H = 08.24.02 35.2N 135.9E DEPTH 400 KM. M = 6.7

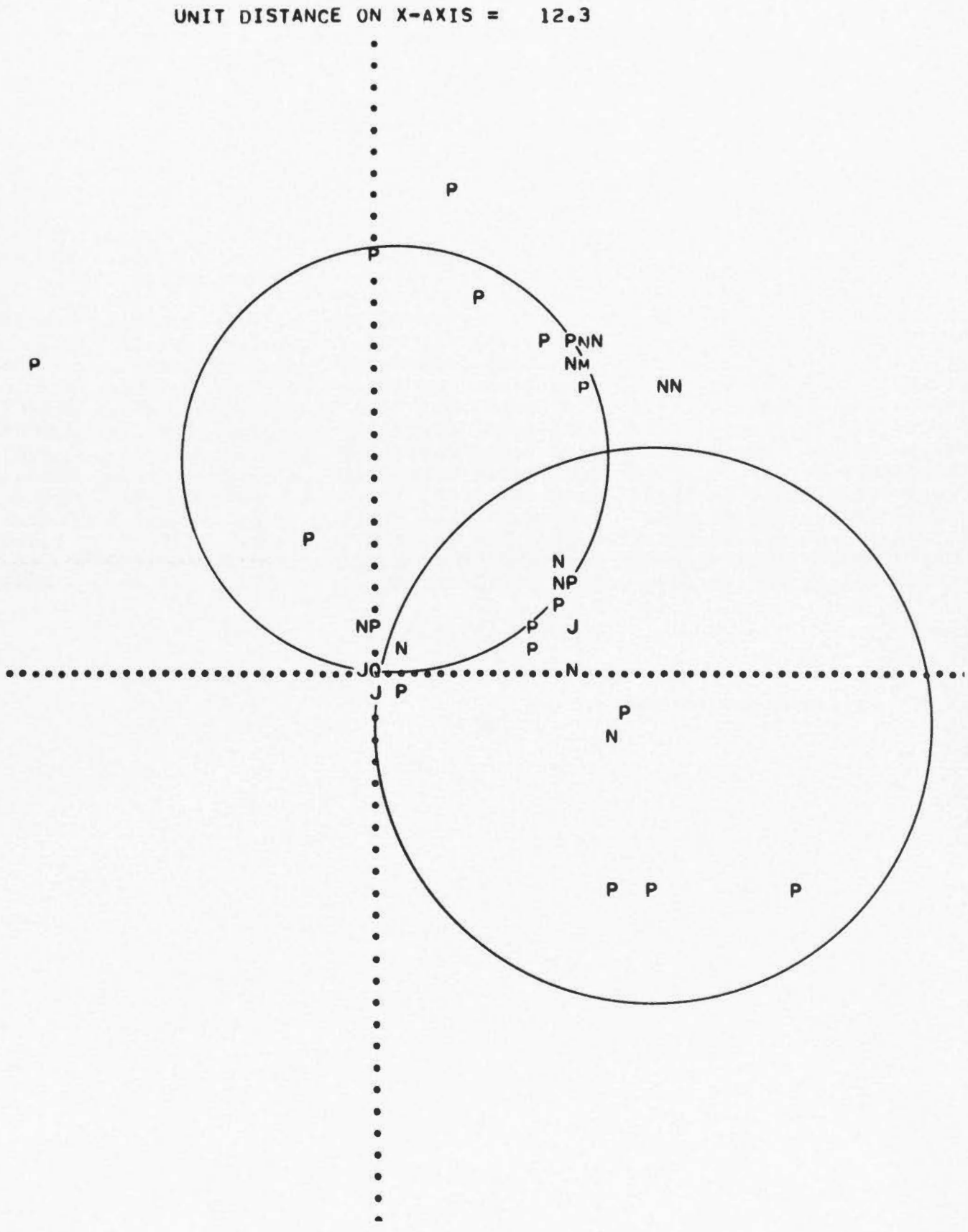
STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR.	COSINES	
WAJIMA W	-6.8	-10.0		.168	100	21.9	146.2	1.492	-0.517	.207	.831
TAKADA	-10.9	-6.0		.058	100	47.2	140.6	1.217	-0.431	.466	.773
TSUKUBA	-9.9	-1.6		.008	100	75.1	129.9	.836	-0.197	.741	.642
TOMIZAKI	-11.3	.8		.075	100	97.1	132.9	.930	.091	.727	.681
TYOSI	-8.4	-0.6		.052	100	83.6	124.6	.688	-0.092	.818	.567
AKITA	-3.2	-2.6		.070	100	36.4	113.7	.439	-0.737	.543	.403
ZIRISEN	2.6	-0.5		.350	100	288.4	102.7	.225	-0.308	-0.926	.220
HACHIJO	-7.3	2.9		.297	100	124.3	125.7	.718	.457	.671	.584
KYOTO	0	0		-0.002	-100	200.6	90.0	0	.936	-0.352	-0.000
TOYOOKA	0	0	W	.235	-100	279.9	90.0	0	-0.172	-0.985	-0.000
OSAKA	0	0		-0.130	-100	206.4	90.0	0	.896	-0.444	-0.000
HIKONA	0	0	W	.528	-100	112.1	90.0	0	.376	.927	-0.000
KAMEYAMA	0	0	W	.935	-100	138.7	90.0	0	.751	.660	-0.000
SUMOTO	10.8	7.8		-0.970	-100	219.3	144.3	1.388	.452	-0.370	.812
GIFU	0	0		-0.043	-100	88.4	90.0	0	-0.028	1.000	-0.000
WAKAYAMA	7.2	8.1		-0.912	-100	207.9	141.5	1.258	.550	-0.291	.783
SHIONOMI	1.2	12.1		-0.696	-100	183.3	149.1	1.671	.513	-0.030	.858
TAKADA	-10.9	-6.0	W	.058	-100	47.2	140.6	1.217	-0.431	.466	.773
TAKAYAMA	-14.8	-6.2		-0.009	-100	54.7	145.9	1.475	-0.324	.458	.828
HAMAMATS	-22.4	5.9		-0.237	-100	114.1	153.5	2.007	.182	.407	.895
OIWAKE	-15.0	-4.0		-0.029	-100	65.5	143.4	1.345	-0.248	.543	.803
IIDA	-25.3	-1.4		-0.170	-100	84.6	154.3	2.077	-0.041	.432	.901
NAGANO	-14.1	-5.9		-0.001	-100	54.8	144.6	1.408	-0.334	.473	.815
KOCHI	10.5	5.7		-0.997	-100	227.5	139.2	1.160	.441	-0.482	.757
MISHIMA	-15.2	.8		-0.026	-100	94.9	141.3	1.247	.053	.623	.780
KUMAGAYA	-12.3	-2.1		-0.008	-100	73.9	136.4	1.049	-0.192	.663	.724
FUKUOKO	6.0	1.3		-0.750	-100	250.0	117.6	.522	.303	-0.833	.463
KUMAMOTO	5.4	1.8		-0.847	-100	240.6	116.7	.503	.438	-0.778	.449
MIYAZAKI	4.5	2.4		-0.874	-100	228.4	116.1	.490	.596	-0.672	.441
NAGASAKI	4.6	1.3		-0.771	-100	243.8	112.6	.415	.407	-0.829	.384
MORIOKA	-3.1	-2.0		-0.045	-100	42.5	110.6	.375	-0.690	.633	.351
TOMIE	3.7	.9		-0.677	-100	247.0	108.0	.324	.372	-0.875	.309



27

* DECEMBER 20, 1932 H = 06.10.11 38.8N 118.0W DEPTH NORMAL M= 7.2

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
SVERDLOV	.4	19.3		.004	100	.8	20.6	2.667	-0.351	.005	-0.936
SPOKANE	.2	1.9		.317	100	2.9	75.3	.262	-0.966	.049	-0.254
BAKU	6.0	21.6	W	-0.017	100	9.4	18.3	3.020	-0.310	.051	-0.949
POULKOVO	8.0	16.7		.016	100	15.8	22.6	2.400	-0.370	.104	-0.923
COPENHAG	12.7	15.2		.008	100	26.3	23.1	2.343	-0.352	.174	-0.920
GOTTINGE	15.0	15.3		.001	100	30.1	22.3	2.436	-0.328	.190	-0.925
DE BILT	15.2	14.4	W	.002	-100	32.0	23.1	2.343	-0.333	.208	-0.920
STUTTGAR	16.4	15.4		-0.003	-100	32.3	21.7	2.514	-0.312	.197	-0.929
STRASBOU	16.7	15.1		-0.003	-100	33.1	21.8	2.494	-0.312	.203	-0.928
UCCLE	15.9	14.3	W	.001	-100	33.3	22.9	2.367	-0.325	.214	-0.921
BOZEMAN	1.8	1.5		-0.454	-100	35.4	75.8	.252	-0.791	.561	-0.245
KEW	16.0	13.5		.002	100	35.0	23.8	2.272	-0.330	.231	-0.915
TOLEDO	22.0	12.8		-0.006	-100	45.4	21.7	2.517	-0.259	.263	-0.929
CARTUJA	23.4	12.9		-0.007	-100	47.1	21.0	2.608	-0.244	.262	-0.934
SEVEN FA	14.4	4.7		-0.016	-100	60.9	36.7	1.343	-0.290	.522	-0.802
OTTAWA	14.2	4.0		-0.010	-100	64.5	37.9	1.282	-0.265	.555	-0.789
TECHNOLO	15.3	4.3		.001	100	64.4	35.9	1.382	-0.253	.528	-0.810
TORONTO	14.0	3.3		.002	100	68.2	39.1	1.231	-0.234	.585	-0.776
CAMBRIDG	15.6	13.5	W	.003	-100	34.3	23.9	2.260	-0.334	.228	-0.915
CHICAGO	12.5	2.3		.010	100	72.8	43.1	1.066	-0.202	.653	-0.730
PITTSBUR	14.5	2.3		.045	100	74.9	39.1	1.230	-0.165	.609	-0.776
GEORGETO	15.3	2.1		.063	100	77.0	38.0	1.281	-0.138	.599	-0.789
CHARLOTT	15.2	1.8	W	.074	-100	78.6	38.4	1.262	-0.123	.608	-0.784
SAINT LO	12.1	1.0		.090	100	82.1	45.0	1.001	-0.097	.700	-0.708
COLUMBIA	15.3	.3	W	.150	-100	88.0	38.7	1.248	-0.022	.625	-0.781
SAN JUAN	18.9	-1.8		.192	100	99.4	32.6	1.562	.088	.532	-0.842
PORT AU	17.5	-2.6	W	.232	-100	104.0	34.1	1.474	.136	.545	-0.828
RIO DE J	32.0	-9.6		.036	100	117.0	18.8	2.929	.147	.288	-0.946
LA PAZ	20.6	-10.1		.109	100	129.6	24.6	2.188	.265	.320	-0.910
HUANCAYO	17.6	-9.6		.146	100	132.7	27.1	1.955	.309	.334	-0.890
TUCSON	2.2	-1.4		.949	100	137.0	75.1	.266	.706	.660	-0.258
LA JOLLA	.2	-1.3	W	.425	-100	174.2	79.9	.178	.979	.100	-0.176
RIVERSID	.2	-1.0		.447	100	174.1	81.9	.141	.985	.103	-0.141
HAIWEE	.0	-0.5		.318	100	179.5	86.2	.065	.998	.009	-0.066
MOUNT WI	-0.0	-1.0	W	.249	-100	180.6	82.4	.133	.991	-0.011	-0.133
PASADENA	-0.1	-1.0		.212	100	181.7	82.2	.136	.990	-0.030	-0.136
TINEMAHA	-0.0	-0.2		.107	100	186.7	88.5	.025	.993	-0.117	-0.026
SANTA BA	-0.5	-0.9		-0.290	-100	197.5	82.4	.133	.945	-0.299	-0.133
MOUNT HA	-0.9	-0.3	W	-0.830	100	241.4	85.2	.084	.477	-0.875	-0.084
PALO ALT	-1.1	-0.3	W	-0.784	100	245.9	84.5	.096	.406	-0.909	-0.096
BERKELEY	-1.1	-0.2	W	-0.659	100	252.9	84.7	.092	.292	-0.952	-0.092
UKIAH	-1.4	.1		-0.102	-100	273.7	83.6	.111	-0.065	-0.992	-0.111
ZI KA WE	-26.0	14.1	W	-0.143	100	312.4	19.1	2.881	-0.221	-0.242	-0.945
SITKA	-5.4	6.4		.399	100	333.4	45.3	.988	-0.636	-0.318	-0.703
VICTORIA	-1.3	2.1	W	.787	-100	339.4	72.6	.313	-0.893	-0.335	-0.299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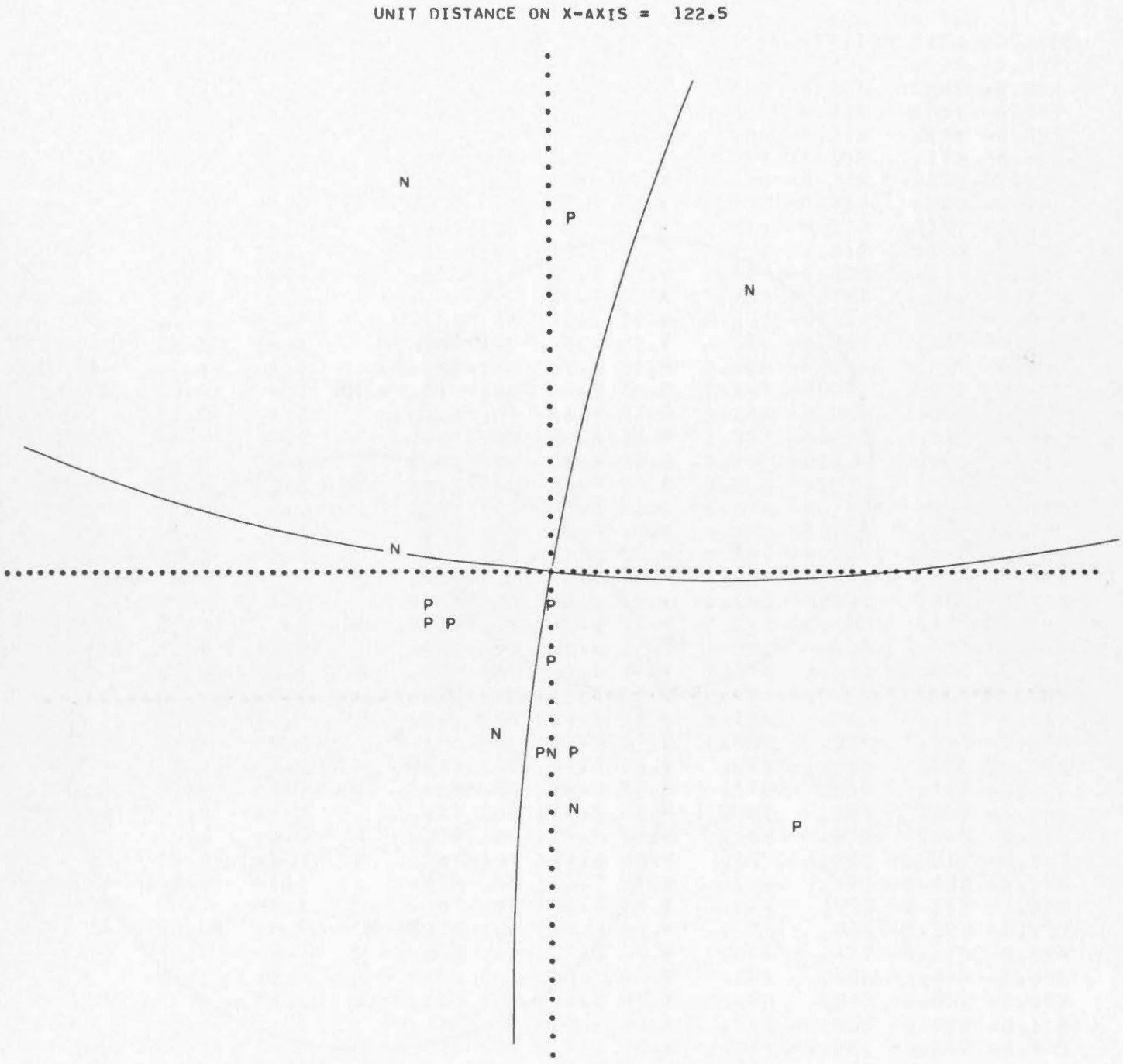
UNIT DISTANCE ON X-AXIS = 122.5
N
P
N
N
P
P P
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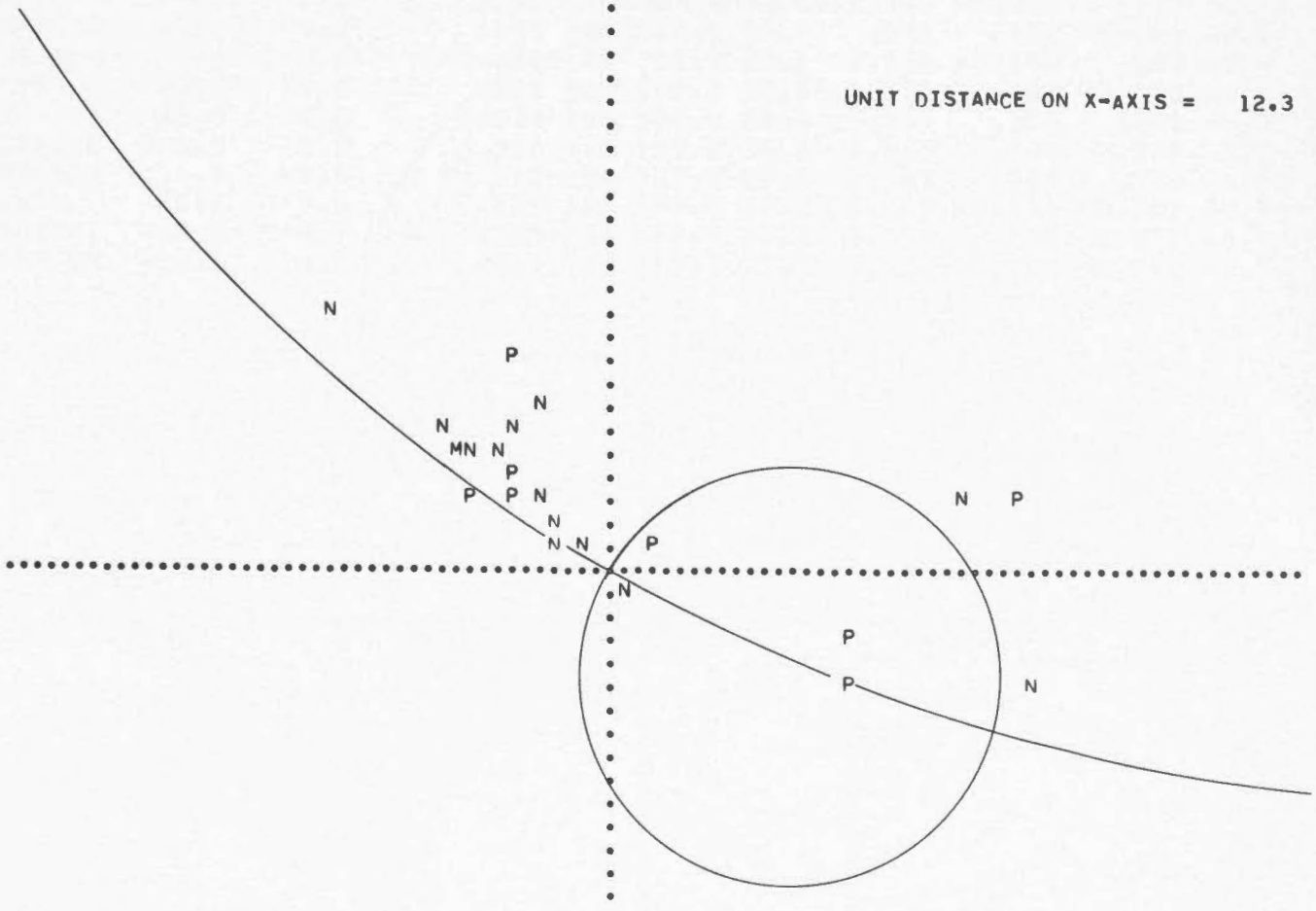
P
N
PN P
N
P

50
* APRIL 19, 1938 H = 10.59.17 39.5N 33.7E

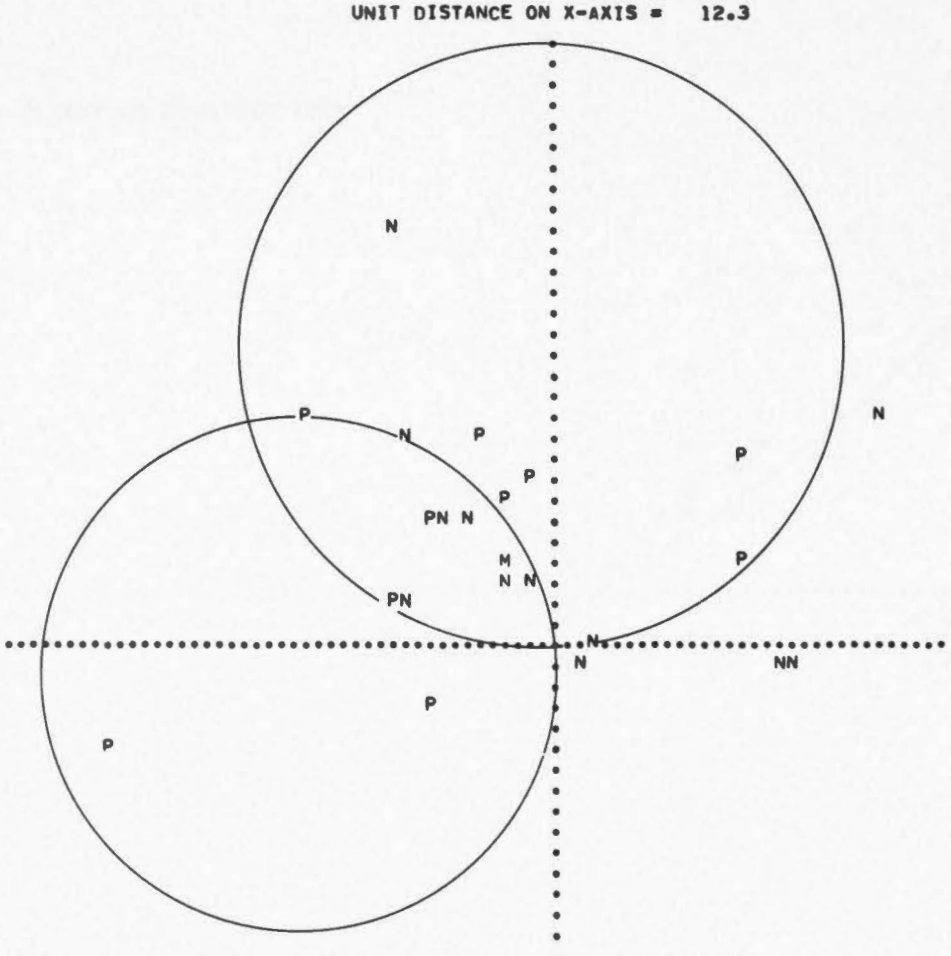
STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
BASEL	-9.6	3.4		.029	100	301.2	47.4	.919	-0.381	-0.630	-0.677
BELGRADE	-3.5	1.3		-0.031	-100	301.9	71.3	.338	-0.500	-0.804	-0.321
BUCAREST	-2.0	1.1		-0.382	-100	312.3	77.7	.217	-0.658	-0.723	-0.213
CHRISTCH	103.1	-23.1		.013	100	110.7	6.3	8.999	.039	.103	-0.994
CHUR	-7.4	2.5		.049	100	300.1	55.1	.697	-0.411	-0.710	-0.572
DE BILT	-9.8	5.1		-0.188	-100	311.7	43.1	1.067	-0.455	-0.510	-0.730
DJAKARTA	29.7	-4.9		-0.000	-100	105.6	21.6	2.521	.099	.355	-0.930
HAMBURG	-8.0	5.3		-0.345	-100	318.5	45.5	.983	-0.534	-0.472	-0.701
HONG KON	25.0	3.1		-0.014	-100	78.0	25.6	2.090	-0.089	.422	-0.902
JENA	-6.5	3.6	W	-0.301	100	313.3	53.9	.730	-0.554	-0.588	-0.590
KEW	-11.2	5.2		-0.096	-100	307.9	40.7	1.160	-0.401	-0.515	-0.758
COPENHAG	-6.8	5.9		-0.471	-100	325.6	45.4	.987	-0.587	-0.402	-0.703
KODAIKAN	17.2	-4.7		.005	100	114.9	32.8	1.550	.228	.492	-0.840
KSARA	.6	-1.2		-0.841	-100	162.7	79.9	.177	.940	.294	-0.175
MANILLA	29.3	2.9	W	-0.025	100	80.4	22.4	2.425	-0.064	.376	-0.925
NIZAMIAH	17.3	-3.1		.040	100	106.6	34.1	1.477	.160	.537	-0.828
OXFORD E	-11.3	5.3		-0.111	-100	308.7	40.3	1.179	-0.405	-0.505	-0.763
PRAGUE	-4.8	2.7		-0.361	-100	313.7	61.5	.543	-0.607	-0.635	-0.478
RATHFARN	-11.7	5.9		-0.127	-100	310.1	38.6	1.254	-0.402	-0.476	-0.782
SCORESBY	-7.3	9.5	W	-0.431	100	335.4	34.8	1.437	-0.519	-0.238	-0.821
TIFLIS T	3.0	.6		.717	100	72.9	75.4	.259	-0.284	.925	-0.252
UPPSALA	-4.7	7.0		-0.615	-100	338.6	43.8	1.043	-0.644	-0.252	-0.722
WESTON	-20.4	10.8		-0.060	-100	311.8	24.1	2.239	-0.272	-0.304	-0.913
VIENNA	-4.4	2.2		-0.275	-100	310.1	65.0	.466	-0.584	-0.693	-0.423



112

* JULY 24, 1948 H = 06.03.05 34.4N 24.5E DEPTH NORMAL M = 6.5

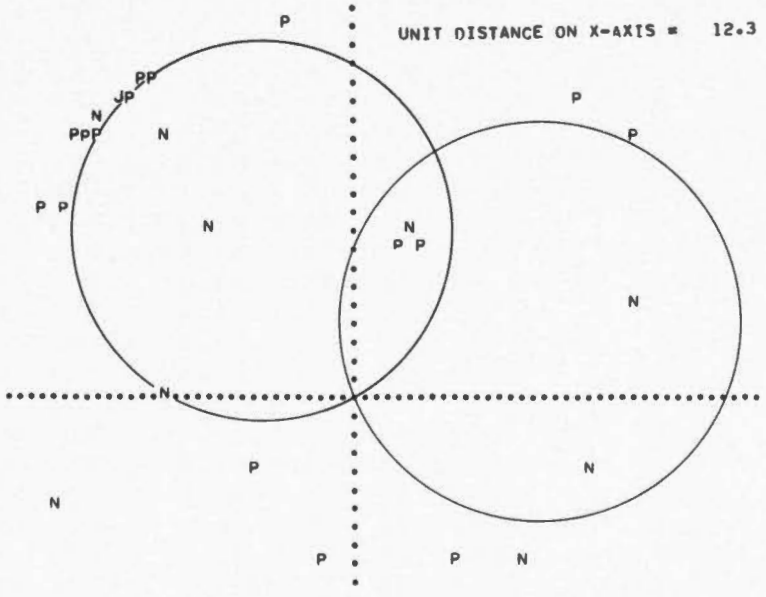
STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ALMERIA	-12.1	1.8		-0.000	-100	283.7	44.4	1.020	-0.166	-0.680	-0.714
BOMBAY	18.1	-1.4		-0.448	-100	97.3	33.8	1.492	.070	.552	-0.831
DE BILT	-6.8	6.3		-0.069	-100	327.5	44.0	1.034	-0.586	-0.373	-0.719
FUKUOKO	25.8	11.1		-0.048	-100	54.0	21.0	2.602	-0.211	.290	-0.933
HELWAN	2.1	-1.0		-0.962	-100	127.3	77.6	.220	.592	.777	-0.216
HYDERABA	19.5	-1.1		-0.414	-100	95.3	32.1	1.596	.049	.529	-0.847
IRKUTSK	15.4	8.9		.126	100	45.7	29.6	1.761	-0.345	.353	-0.870
IVIGTUT	-11.7	9.6		-0.001	-100	324.2	31.6	1.625	-0.425	-0.307	-0.852
JENA	-3.7	4.5		-0.121	-100	334.0	55.6	.685	-0.742	-0.361	-0.565
JERSEY	-9.6	5.6	W	-0.108	100	314.8	42.1	1.106	-0.472	-0.476	-0.742
KEW	-8.6	6.3		-0.087	-100	320.9	42.0	1.111	-0.519	-0.422	-0.743
COPENHAG	-3.9	7.2		.069	100	342.1	43.7	1.047	-0.657	-0.212	-0.723
KSARA	3.5	-0.0		-0.241	-100	91.3	74.1	.285	.022	.961	-0.274
LA PAZ	-36.2	-4.7		.016	100	257.7	18.3	3.027	.067	-0.306	-0.950
MALAGA	-12.8	1.8		.009	100	283.6	42.8	1.078	-0.160	-0.661	-0.733
MESZSTET	-4.2	3.4		-0.296	-100	324.2	59.7	.584	-0.701	-0.505	-0.504
OTTAWA	-19.6	11.0		.000	100	313.4	24.4	2.202	-0.284	-0.300	-0.911
SCORESBY	-6.3	9.9		.063	100	339.3	34.3	1.464	-0.528	-0.199	-0.826
STUTTGAR	-4.2	3.6		-0.264	-100	325.9	58.8	.606	-0.708	-0.479	-0.519
TAMANRAS	-9.7	-3.3		.464	100	239.7	47.6	.913	.372	-0.637	-0.675
TASHKENT	15.1	4.1		.026	100	65.5	36.4	1.354	-0.247	.540	-0.804
UPPSALA	-2.0	8.2		.174	100	352.0	41.2	1.143	-0.652	-0.092	-0.753
VICTORIA	-12.6	19.8	W	.022	-100	339.3	18.9	2.915	-0.303	-0.115	-0.946
ZAGREB	-2.3	2.6		-0.308	-100	332.5	68.3	.398	-0.824	-0.429	-0.370



122

* APRIL 30, 1949 H = 01.23.37 7N 125E DEPTH 150 KM. M = 7.4

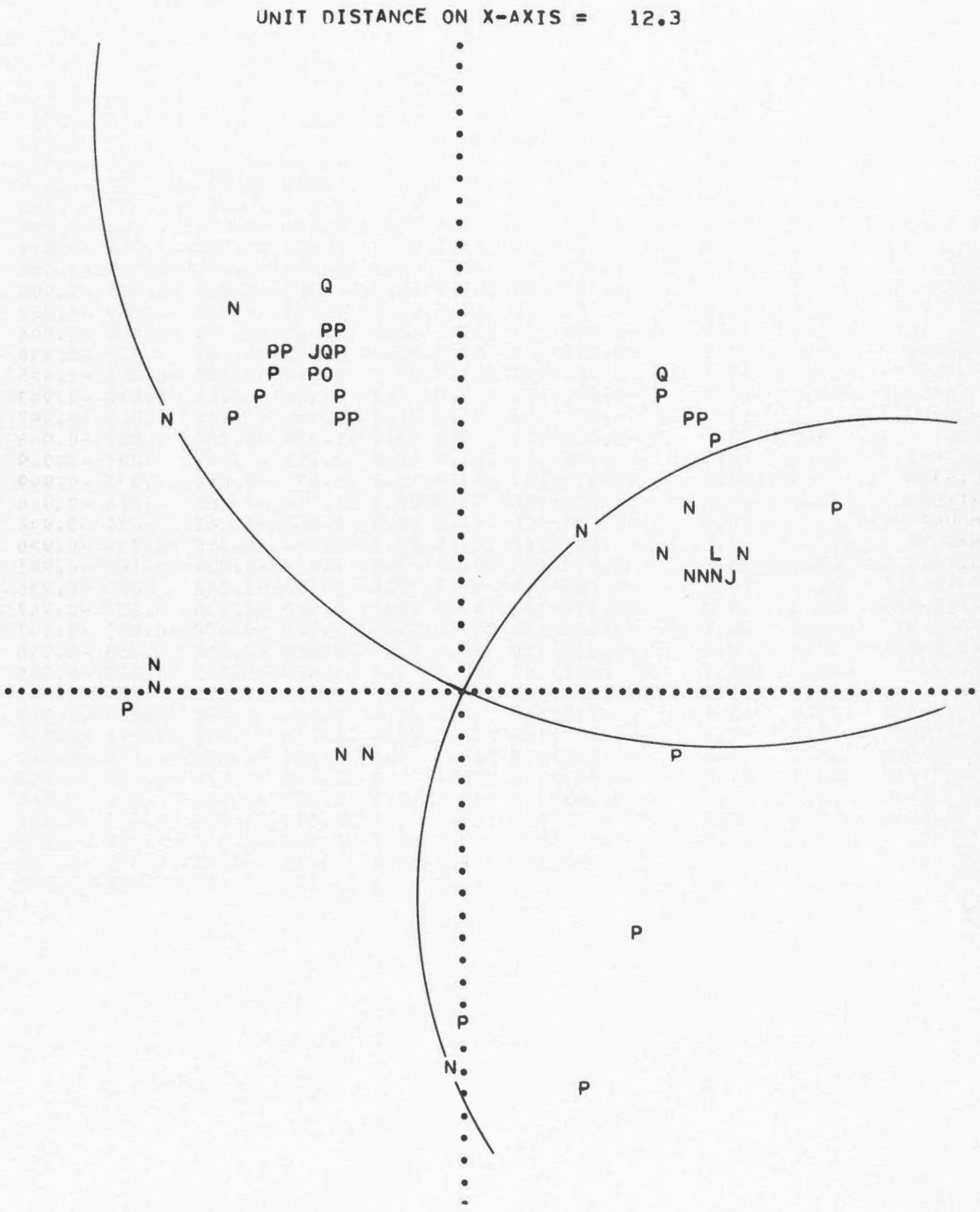
STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
HUNGRY H	20.4	16.5		.012	100	36.2	19.5	2.816	-0.270	.198	-0.942
RENO	24.9	14.1		.004	100	46.3	19.5	2.816	-0.231	.242	-0.942
SAN JUAN	44.0	60.4		.133	100	23.3	6.3	9.073	-0.100	.043	-0.994
LA PLATA	9.9	-65.0		.300	100	174.8	6.3	8.999	.110	.010	-0.994
BOGOTA	112.4	39.7		.154	100	59.2	5.3	10.684	-0.048	.080	-0.996
ALMERIA	-57.8	35.0	W	.147	-100	315.7	8.4	6.749	-0.105	-0.102	-0.989
TOLEDO	-22.6	15.5	W	.007	-100	319.2	19.5	2.820	-0.252	-0.218	-0.943
GRANADA	48.0	80.2		.150	100	19.5	4.9	11.740	-0.080	.028	-0.996
LISBON	-52.8	38.1	W	.142	-100	320.6	8.4	6.800	-0.112	-0.092	-0.989
SCORESBY	-6.4	19.9		.007	100	349.3	19.7	2.795	-0.331	-0.063	-0.942
LEIPZIG	-20.0	16.4		.000	100	324.2	19.7	2.785	-0.274	-0.198	-0.941
ZURICH	-21.4	15.9		.004	100	321.5	19.6	2.811	-0.262	-0.209	-0.942
DE BILT	-18.8	17.1		.001	100	326.8	19.6	2.810	-0.280	-0.183	-0.942
STUTTGAR	-20.9	16.2		.003	100	322.6	19.6	2.806	-0.267	-0.204	-0.942
BELGRADE	-23.3	14.4		.004	100	316.2	20.0	2.753	-0.246	-0.236	-0.940
KEW	-18.3	17.3		.001	100	328.0	19.5	2.817	-0.284	-0.177	-0.942
MOSCOW	-16.8	14.3		-0.037	-100	325.3	22.6	2.406	-0.315	-0.219	-0.923
RACIBORZ	-20.9	15.7		-0.001	-100	321.7	20.0	2.753	-0.268	-0.211	-0.940
TRIESTE	-54.3	36.3		.143	100	318.5	8.5	6.680	-0.111	-0.098	-0.989
ROME	-24.2	14.5		.011	100	315.2	19.6	2.808	-0.238	-0.236	-0.942
COLOMBO	-16.5	.5		-0.039	-100	272.7	36.5	1.352	-0.028	-0.594	-0.804
SAPPORO	5.1	8.6	W	.034	-100	19.3	38.4	1.263	-0.586	.205	-0.784
KSARA	-25.6	10.0		.002	100	303.4	21.8	2.504	-0.204	-0.310	-0.929
ALMATA	-12.9	8.6		-0.181	-100	318.3	32.2	1.586	-0.398	-0.355	-0.846
TOKYO	5.6	7.7		.048	100	23.4	40.8	1.156	-0.600	.259	-0.757
SUMOTO	4.0	7.6		.063	100	17.2	42.3	1.100	-0.642	.199	-0.740
DJAKARTA	-9.4	-4.0		.543	100	234.6	46.7	.941	.422	-0.594	-0.685
HONOLULU	24.6	5.3		-0.081	-100	69.9	25.1	2.136	-0.146	.398	-0.906
PERTH	-3.3	-9.0		.816	100	192.2	38.0	1.277	.602	-0.130	-0.788
APIA	21.5	-4.2		-0.074	-100	108.4	28.4	1.849	.150	.451	-0.880
RIVERVIE	8.5	-8.8		.310	100	150.2	35.5	1.403	.504	.288	-0.814
AUCKLAND	14.9	-9.5	W	.172	-100	137.0	29.2	1.787	.357	.333	-0.873
HELWAN	-28.1	9.5		.029	100	299.9	20.7	2.643	-0.176	-0.307	-0.935
TANANARI	-26.6	-5.9	W	.338	-100	249.5	23.3	2.318	.139	-0.371	-0.918
ALGER UN	-25.1	14.0		.015	100	313.3	19.5	2.820	-0.229	-0.242	-0.943



136

NOVEMBER 3. 1949 H = 01.12.37 48N 154E DEPTH 200 KM. M = 6.8

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ALMERIA	-10.4	18.2		.107	100	341.3	20.7	2.651	-0.334	-0.113	-0.936
APIA	13.5	-11.0		.179	100	144.1	28.1	1.872	.381	.276	-0.882
BASEL	-10.5	15.2		.140	100	337.7	23.8	2.265	-0.374	-0.154	-0.915
BELGRADE	-14.2	13.6		.108	100	328.3	24.3	2.210	-0.351	-0.217	-0.911
BERKELEY	18.2	4.7		-0.105	-100	66.2	31.6	1.622	-0.212	.480	-0.851
BESCANCO	-10.2	15.5		.139	100	338.6	23.6	2.290	-0.372	-0.146	-0.917
BOULDER	19.4	5.7		-0.078	-100	63.5	29.4	1.771	-0.220	.440	-0.871
BRISBANE	-0.4	-15.0		.027	100	180.9	25.7	2.073	.434	-0.007	-0.901
BUCAREST	-15.3	12.7		.095	100	324.6	25.0	2.147	-0.344	-0.245	-0.907
CARTUJA	-9.9	18.3		.109	100	342.2	20.7	2.649	-0.336	-0.108	-0.936
CHUR	-11.2	15.0		.134	100	336.1	23.8	2.269	-0.369	-0.163	-0.915
CINCINNA	18.3	11.8		.020	100	42.5	24.4	2.206	-0.304	.279	-0.911
CLERMONT	-10.0	16.1		.134	100	339.9	22.9	2.368	-0.365	-0.133	-0.921
CLEVELAN	16.9	12.3		.033	100	39.3	24.6	2.184	-0.322	.263	-0.909
COLLEGE	9.1	6.5		-0.024	-100	39.5	40.5	1.170	-0.501	.413	-0.760
COPENHAG	-8.9	13.2		.188	100	338.2	27.0	1.965	-0.421	-0.168	-0.891
DE BILT	-8.6	14.6		.168	100	340.8	25.1	2.130	-0.401	-0.139	-0.905
GOTTINGE	-9.8	14.2	W	.162	-100	337.8	25.4	2.108	-0.397	-0.162	-0.904
HARVARD	15.0	14.1		.061	100	32.3	23.5	2.296	-0.337	.213	-0.917
HELSINKI	-9.3	11.5		.213	100	334.5	29.6	1.758	-0.446	-0.213	-0.869
HELWAN	-22.4	12.4		-0.005	-100	312.9	21.8	2.502	-0.253	-0.272	-0.929
HIROSHIM	-9.0	-3.4		-0.718	-100	237.6	49.0	.869	.404	-0.637	-0.656
HONOLULU	15.7	-2.9		.029	100	107.4	36.6	1.346	.178	.569	-0.803
HYDERABA	-22.6	.3		-0.346	-100	271.5	28.5	1.843	-0.012	-0.477	-0.879
ISTANBUL	-17.1	12.4		.066	100	320.8	24.4	2.204	-0.320	-0.261	-0.911
JENA	-10.3	14.1		.157	100	336.6	25.3	2.113	-0.392	-0.170	-0.904
KODAIKAN	-24.7	-0.8	W	-0.343	100	266.9	26.4	2.018	.024	-0.443	-0.896
LA PAZ	75.6	23.5		-0.003	-100	62.3	8.2	6.972	-0.066	.126	-0.990
MOUNT WI	19.7	5.0		-0.086	-100	66.8	29.7	1.750	-0.195	.456	-0.868
NAGOYA	-6.9	-3.3		-0.699	-100	230.8	54.1	.722	.512	-0.629	-0.586
NENCHATE	-10.6	15.4		.137	100	337.8	23.6	2.290	-0.371	-0.151	-0.917
OTTAWA	14.5	13.0		.058	100	33.4	24.9	2.149	-0.352	.232	-0.907
OVERTON	19.2	5.9		-0.077	-100	62.8	29.5	1.767	-0.225	.438	-0.870
PALOMAR	20.1	5.1		-0.082	-100	66.8	29.2	1.785	-0.192	.449	-0.873
PARC ST	-8.9	15.6		.150	100	341.3	23.8	2.265	-0.382	-0.129	-0.915
PASADENA	19.7	5.0		-0.087	-100	67.0	29.7	1.749	-0.194	.457	-0.868
PIERCE F	19.4	5.9		-0.076	-100	62.8	29.3	1.782	-0.223	.435	-0.872
POONA	-23.3	1.4		-0.306	-100	275.6	27.6	1.909	-0.045	-0.462	-0.886
PRAGUE	-11.1	13.8		.150	100	334.5	25.3	2.112	-0.386	-0.184	-0.904
RAPID CI	17.0	8.3		-0.032	-100	50.3	29.1	1.799	-0.310	.374	-0.874
RIVERSID	19.8	5.1		-0.084	-100	66.6	29.5	1.765	-0.196	.452	-0.870
RIVERVIE	-1.2	-16.7		-0.001	-100	182.4	23.5	2.304	.398	-0.017	-0.917
ROME	-13.8	15.4		.104	100	332.2	22.6	2.405	-0.339	-0.179	-0.923
SAINT LO	18.9	10.6		.003	100	46.5	25.2	2.123	-0.293	.309	-0.905
SHASTA	17.3	5.1		-0.108	-100	63.7	32.4	1.577	-0.237	.480	-0.845
STRASBOU	-10.2	15.0		.146	100	337.9	24.2	2.227	-0.379	-0.154	-0.912
STUTTGAR	-10.5	14.7		.146	100	337.1	24.4	2.207	-0.380	-0.160	-0.911
TACUBAYA	27.5	7.6	W	-0.024	100	64.9	21.9	2.484	-0.159	.338	-0.928
TAMANRAS	-16.8	17.3	W	.066	-100	330.2	20.0	2.752	-0.296	-0.170	-0.940
TINEMAHA	18.8	5.3		-0.091	-100	64.6	30.5	1.696	-0.218	.458	-0.862
TRIESTE	-12.6	14.6		.123	100	332.9	23.8	2.265	-0.360	-0.184	-0.915
TUCSON	21.0	6.1		-0.063	-100	63.9	27.6	1.910	-0.204	.416	-0.886
UPPSALA	-8.4	12.2		.214	100	337.7	28.8	1.819	-0.446	-0.183	-0.876
VICTORIA	14.9	5.9		-0.106	-100	56.4	34.4	1.458	-0.313	.471	-0.825
WELLINGT	8.5	-18.2		.058	100	164.5	21.0	2.606	.345	.096	-0.934
WESTON	15.0	14.1		.061	100	32.2	23.5	2.304	-0.337	.212	-0.917
ZURICH	-10.8	15.1		.138	100	337.0	23.9	2.260	-0.372	-0.158	-0.915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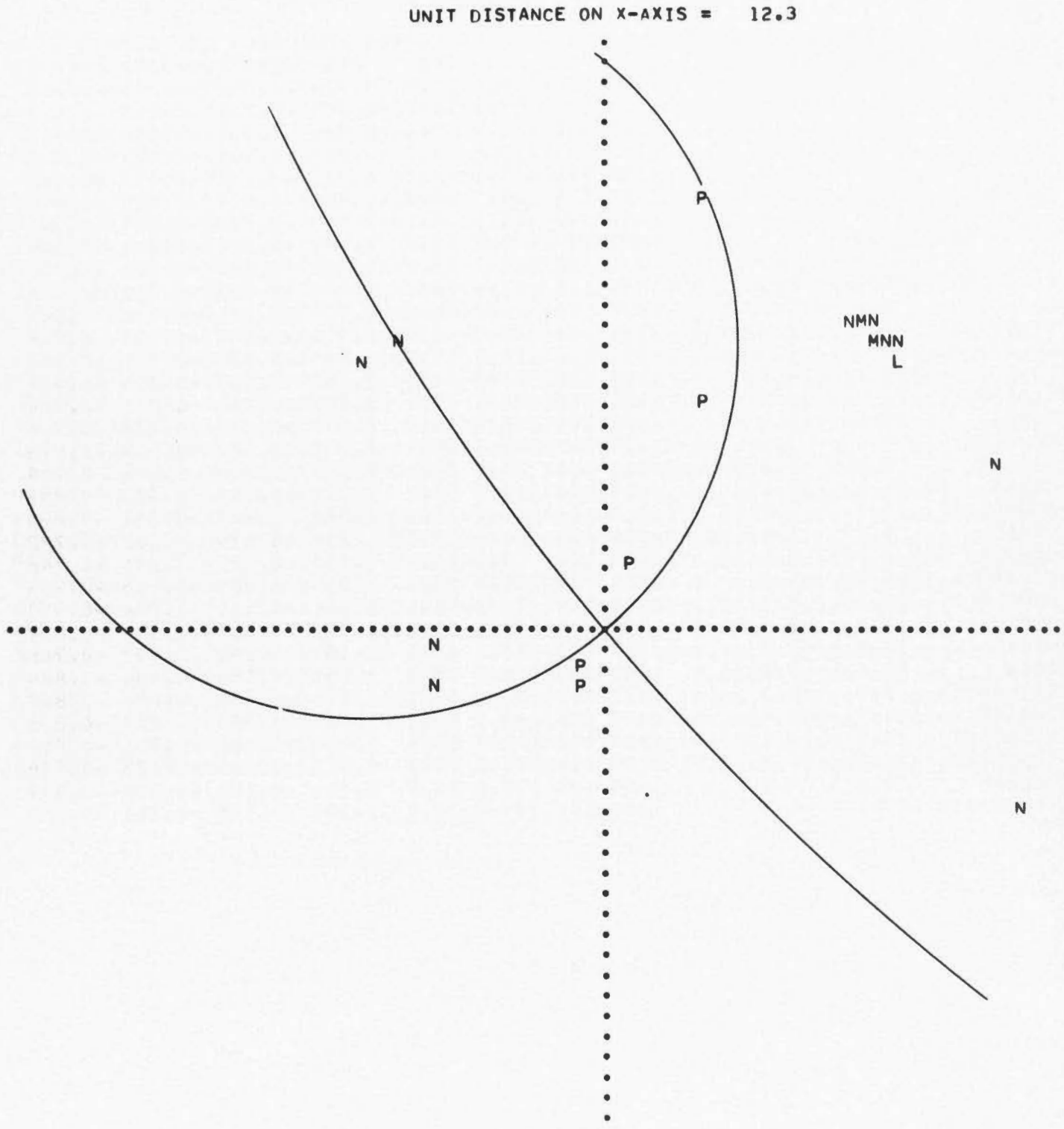
NOVEMBER 22, 1949 H = 00.51.32 29S 178W DEPTH NORMAL M = 7.3

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
APIA	2.3	3.4		.493	100	22.2	63.1	.506	-0.826	.337	-0.452
ARCATA	20.4	15.5		-0.070	-100	37.9	20.2	2.710	-0.273	.213	-0.938
AUCKLAND	-2.2	-1.8		.535	100	215.7	73.2	.302	.777	-0.559	-0.290
BASEL	-32.8	93.9		-0.002	-100	348.3	4.3	13.222	-0.074	-0.015	-0.997
BELGRADE	-89.2	67.9	W	.006	-100	322.1	4.8	11.864	-0.066	-0.051	-0.996
BERKELEY	21.5	14.6		-0.083	-100	41.1	20.5	2.669	-0.264	.230	-0.936
BOLOGNA	-70.4	97.4		.003	100	336.8	3.9	14.606	-0.063	-0.027	-0.998
BRISBANE	-14.0	-0.5		-0.262	-100	266.4	41.2	1.142	.041	-0.657	-0.753
CARTUJA	155.7	170.2	W	-0.002	100	28.4	2.1	26.691	-0.033	.018	-0.999
CHINA LA	23.6	13.9		-0.098	-100	45.1	20.2	2.724	-0.243	.244	-0.939
CHUR	-45.9	93.2		-0.000	-100	343.7	4.3	13.395	-0.071	-0.021	-0.997
CLERMONT	-8.7	108.3		-0.003	-100	357.3	3.8	14.950	-0.067	-0.003	-0.998
COLLEGE	7.9	21.2		.002	100	12.5	18.5	2.988	-0.310	.069	-0.948
DE BILT	-11.8	79.9	W	-0.005	100	355.0	5.2	11.063	-0.090	-0.008	-0.996
FRESNO	22.6	14.2		-0.091	-100	43.2	20.3	2.696	-0.253	.238	-0.938
FUKUOKO	-19.9	13.2		-0.016	-100	318.2	22.3	2.442	-0.282	-0.252	-0.925
HELSINKI	-35.3	57.5		-0.002	-100	340.0	6.8	8.434	-0.111	-0.040	-0.993
HONOLULU	8.1	11.1		.050	100	23.5	31.0	1.664	-0.472	.206	-0.857
KEW	9.2	82.3	W	-0.008	100	3.8	5.0	11.374	-0.087	.006	-0.996
LA PAZ	33.7	-8.9		-0.102	-100	114.2	18.4	3.012	.129	.287	-0.949
LISBON	149.3	102.6		-0.009	-100	40.8	3.1	18.674	-0.040	.035	-0.999
MINERAL	21.5	15.4		-0.076	-100	39.6	20.0	2.749	-0.263	.218	-0.940
MOUNT HA	21.8	14.4		-0.086	-100	41.8	20.5	2.669	-0.261	.234	-0.936
NAGOYA	-17.1	13.6		-0.002	-100	323.4	23.1	2.344	-0.315	-0.234	-0.920
OTTAWA	70.1	33.1		-0.042	-100	51.4	7.8	7.325	-0.084	.106	-0.991
PALO ALT	21.5	14.4		-0.084	-100	41.4	20.6	2.658	-0.264	.233	-0.936
PALOMAR	24.2	13.2		-0.108	-100	47.4	20.4	2.682	-0.236	.257	-0.937
PARC ST	-2.6	92.5		-0.005	-100	359.0	4.5	12.760	-0.078	-0.001	-0.997
PASADENA	23.6	13.4		-0.103	-100	46.1	20.5	2.669	-0.243	.253	-0.936
PAVIA	-53.7	101.1		.001	100	342.6	3.9	14.622	-0.065	-0.020	-0.998
RENO	22.3	15.1		-0.082	-100	41.1	19.9	2.766	-0.256	.224	-0.940
RIVERSID	23.9	13.4		-0.105	-100	46.6	20.4	2.685	-0.240	.254	-0.937
RIVERVIE	-13.7	-2.7		-0.109	-100	251.7	40.4	1.174	.203	-0.616	-0.762
STRASBOU	-30.0	89.6		-0.002	-100	348.8	4.5	12.604	-0.077	-0.015	-0.997
STUTTGAR	-35.9	87.2		-0.001	-100	346.3	4.6	12.379	-0.078	-0.019	-0.997
TACUBAYA	32.4	7.8		-0.163	-100	67.8	19.3	2.855	-0.125	.306	-0.944
TAMANRAS	-207.3	-231.2		.023	100	207.9	1.6	36.098	.024	-0.013	-1.000
TOLEDO	100.6	139.8		-0.004	-100	23.1	2.7	20.962	-0.044	.019	-0.999
WELLINGT	-2.1	-2.8		.793	100	203.8	67.2	.421	.843	-0.372	-0.388
ZURICH	-38.6	92.9		-0.001	-100	346.2	4.3	13.198	-0.073	-0.018	-0.997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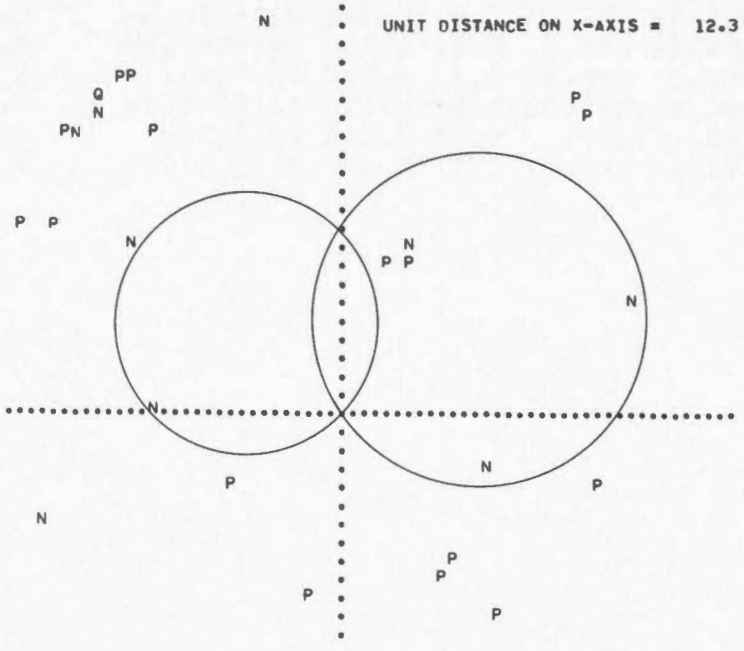
* AUGUST 7, 1950 H = 02.44.45 7.5N 124.5E DEPTH 100 KM. M = 6.7

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION	DIR.	COSINES
HUNGRY H	21.1	17.2		.017	100	36.0	18.9	2.927	-0.262	.190	-0.946
VICTORIA	22.1	16.4		.013	100	38.5	19.0	2.899	-0.255	.203	-0.945
LA PAZ	155.5	-69.2		.271	100	126.9	3.6	15.880	.038	.050	-0.998
ALMERIA	-59.8	36.2		.166	100	315.6	8.2	6.978	-0.101	-0.099	-0.990
TOLEDO	-55.9	38.2		.163	100	319.1	8.2	6.971	-0.107	-0.093	-0.990
GRANADA	44.7	82.8		.180	100	17.7	4.8	11.985	-0.079	.025	-0.997
LISBON	-54.8	39.4	W	.162	-100	320.5	8.1	7.040	-0.109	-0.089	-0.990
SCORESBY	-6.7	20.7	W	.037	-100	349.2	19.0	2.901	-0.320	-0.061	-0.945
COPENHAG	-18.5	17.7		.031	100	328.1	19.2	2.868	-0.280	-0.174	-0.944
ZURICH	-22.3	16.5		.035	100	321.4	18.9	2.920	-0.253	-0.202	-0.946
DE BILT	-19.6	17.7		.034	100	326.7	18.9	2.919	-0.271	-0.178	-0.946
STUTTGAR	-21.7	16.8		.034	100	322.5	18.9	2.914	-0.257	-0.197	-0.946
BELGRADE	-24.2	14.9	W	.031	-100	316.2	19.4	2.847	-0.239	-0.230	-0.944
MOSCOW	-17.2	14.7		.000	100	325.2	22.0	2.469	-0.308	-0.214	-0.927
RACIBORZ	-21.6	16.2	W	.030	-100	321.7	19.4	2.847	-0.260	-0.205	-0.944
ROME	-25.2	15.0		.037	100	315.2	18.9	2.917	-0.230	-0.228	-0.946
COLOMBO	-17.2	.4		-0.115	-100	272.1	35.4	1.406	-0.022	-0.579	-0.815
SAPPORO	5.6	9.0		-0.019	-100	20.0	37.0	1.327	-0.565	.206	-0.799
KSARA	-26.3	10.2		.017	100	303.3	21.2	2.573	-0.199	-0.303	-0.932
ASHKHABA	-18.7	8.7		-0.076	-100	308.0	27.3	1.940	-0.282	-0.361	-0.889
TOKYO	6.1	8.0	W	-0.034	100	24.4	39.5	1.215	-0.579	.262	-0.772
SUMOTO	4.4	7.9		.003	100	18.3	40.9	1.153	-0.622	.206	-0.756
DJAKARTA	-9.7	-4.3		.340	100	232.8	45.3	.989	.429	-0.566	-0.703
HONOLULU	25.7	5.5		-0.065	-100	70.0	24.1	2.231	-0.140	.384	-0.913
PERTH	-3.3	-9.6		.834	100	191.4	36.5	1.351	.583	-0.118	-0.804
RABAUL	13.5	-3.2		-0.117	-100	112.1	40.1	1.189	.242	.597	-0.765
APIA	22.6	-4.5		.061	100	108.5	27.2	1.943	.145	.434	-0.889
RIVERVIE	9.0	-9.3		.531	100	150.0	34.1	1.475	.486	.281	-0.828
CHRISTCH	14.1	-11.4		.439	100	143.9	27.2	1.949	.369	.269	-0.890
BRISBANE	10.5	-8.1		.426	100	142.7	35.4	1.409	.460	.351	-0.816
TAMANRAS	-75.0	24.2		.189	100	298.6	8.2	6.972	-0.068	-0.125	-0.990
HELWAN	-28.9	9.8		.038	100	299.8	20.2	2.720	-0.172	-0.299	-0.939
TANANARI	-27.4	-6.1	W	.269	-100	249.3	22.7	2.393	.136	-0.361	-0.923



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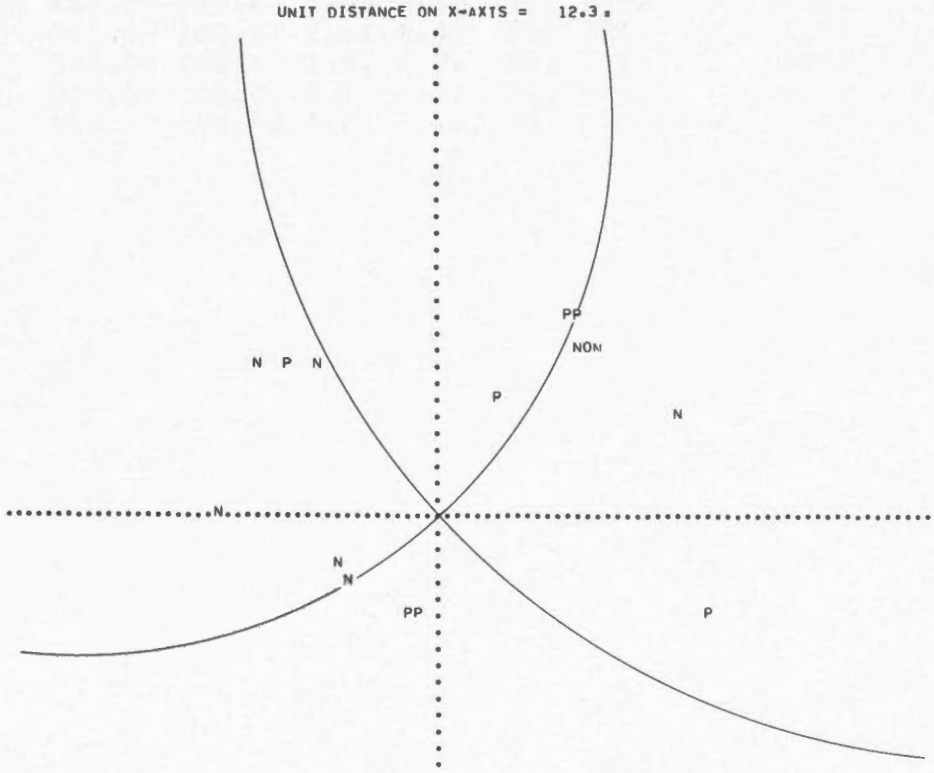
* SEPTEMBER 22, 1950 H = 23.53.32 17.6S 177.1W DEPTH 400 KM.

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
CHRISTCH	-2.9	-5.9		.650	100	196.5	49.8	.843	.733	-0.217	-0.645
DE BILT	-3.7	49.9		-0.000	-100	357.5	8.3	6.892	-0.143	-0.006	-0.990
DJAKARTA	-22.1	-0.4		-0.189	-100	268.3	28.9	1.808	.014	-0.484	-0.875
HONOLULU	5.9	6.9		.182	100	26.8	43.2	1.063	-0.612	.308	-0.728
WELLINGT	-2.5	-5.6		.689	100	194.9	51.5	.794	.757	-0.201	-0.622
BRISBANE	-9.7	-2.7		-0.236	-100	245.2	48.8	.876	.316	-0.683	-0.659
RIVERVIE	-9.2	-3.9		-0.017	-100	234.3	47.4	.921	.429	-0.598	-0.678
FUNATSU	-12.0	9.1		-0.026	-100	322.0	32.0	1.598	-0.418	-0.326	-0.848
FUKUOKO	-14.6	8.8	W	-0.072	100	315.7	30.4	1.705	-0.362	-0.353	-0.863
BERKELEY	15.0	9.9	W	-0.044	100	41.9	28.7	1.827	-0.357	.321	-0.877
MOUNT HA	15.2	9.8		-0.049	-100	42.7	28.7	1.829	-0.353	.325	-0.877
ARCATA	14.1	10.5		-0.022	-100	38.6	28.4	1.849	-0.372	.297	-0.880
FRESNO	15.8	9.7		-0.058	-100	44.0	28.3	1.857	-0.341	.329	-0.881
NANKING	-18.5	8.8		-0.101	-100	308.8	27.3	1.934	-0.288	-0.358	-0.888
SEATTLE	13.9	12.2		.000	100	34.0	26.3	2.026	-0.367	.247	-0.897
VICTORIA	13.4	12.3		.006	100	32.8	26.3	2.025	-0.372	.240	-0.897
TACUBAYA	24.4	5.9		-0.161	-1	67.9	25.0	2.147	-0.159	.391	-0.907
LA PAZ	27.2	-6.4	W	-0.086	100	111.8	22.7	2.390	.143	.358	-0.923
UPPSALA	-14.4	44.8		.000	100	349.2	9.0	6.292	-0.154	-0.029	-0.988
WARSAW	-25.7	45.7		-0.001	-100	341.6	8.6	6.638	-0.141	-0.047	-0.989
COLLMBER	-16.4	48.9		-0.000	-100	348.8	8.3	6.879	-0.141	-0.028	-0.990
KEW	5.4	50.3		-0.001	-100	3.6	8.2	6.953	-0.142	.009	-0.990
STRASBOU	-9.8	52.6		.000	100	353.7	7.8	7.302	-0.135	-0.015	-0.991
BELGRADE	-37.7	48.3		-0.001	-100	335.2	7.8	7.344	-0.122	-0.057	-0.991
ZURICH	-12.3	53.7		.000	100	352.2	7.6	7.476	-0.131	-0.018	-0.991
SALO	-18.5	55.0		.000	100	348.7	7.4	7.731	-0.126	-0.025	-0.992
PAVIA	-15.9	56.2		.000	100	350.5	7.2	7.860	-0.124	-0.021	-0.992
LISBON	45.3	59.5		-0.003	-100	24.3	6.3	9.001	-0.101	.045	-0.994
MALAGA	37.7	71.2	W	-0.000	1	17.4	5.5	10.296	-0.092	.029	-0.995
ALGER UN	-0.9	79.1		.002	100	359.6	5.2	10.905	-0.091	-0.001	-0.996
TAMANRAS	-195.6	242.1		.013	100	334.4	1.5	37.014	-0.024	-0.012	-1.000



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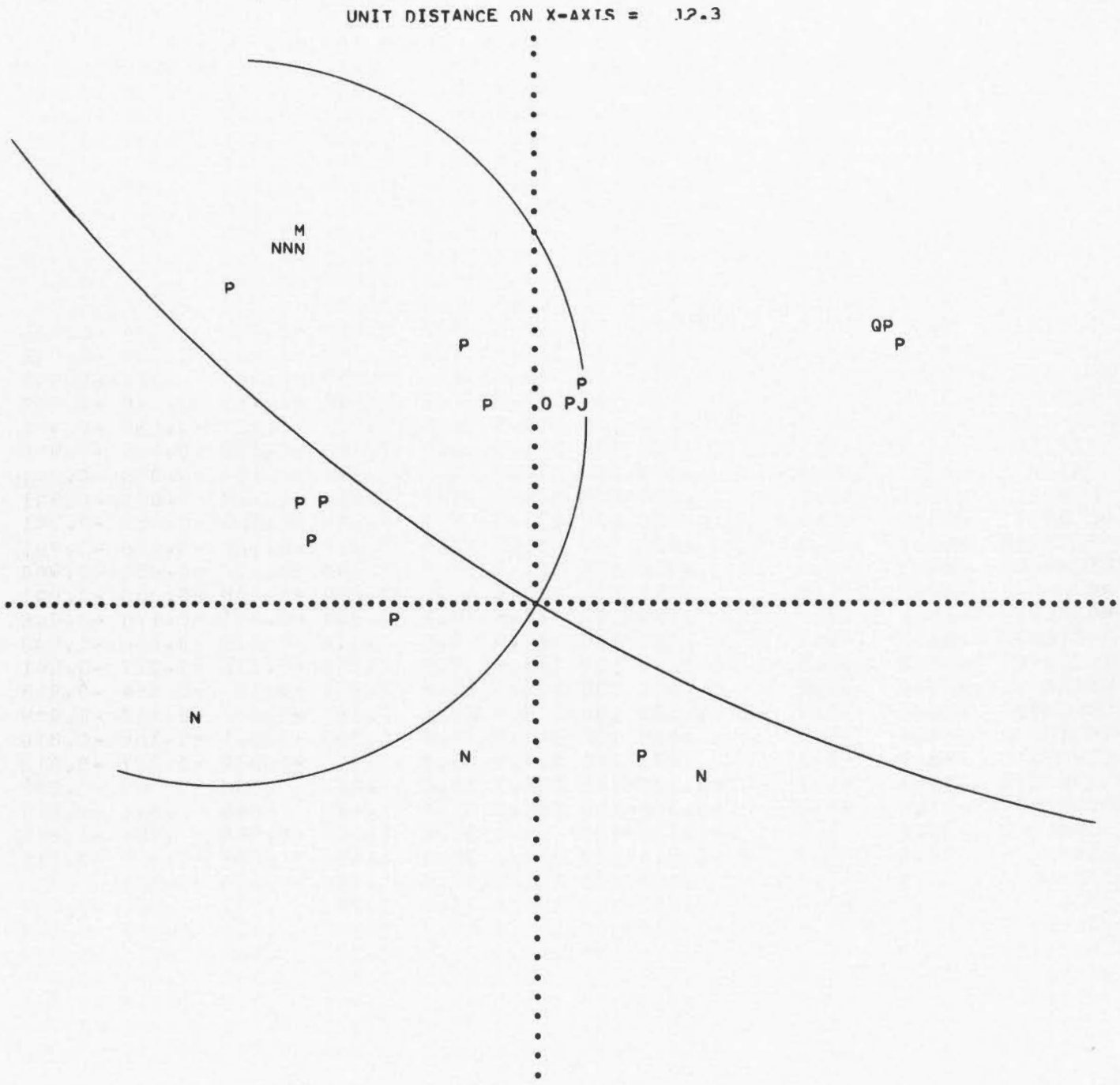
OCTOBER 8, 1950 H = 03.23.09 4S 128.5E DEPTH NORMAL M = 7.6

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
PERTH	-5.7	-8.4		-0.310	-100	201.7	38.6	1.254	.579	-0.231	-0.782
RIVERVIE	9.0	-8.3	W	-0.400	100	147.3	36.2	1.365	.497	.319	-0.807
WELLINGT	13.8	-9.3		-0.243	-100	138.7	30.3	1.708	.379	.333	-0.863
BOMBAY	-20.1	5.5		.050	100	294.6	29.0	1.807	-0.202	-0.440	-0.875
DJAKARTA	-12.2	-0.8		.377	100	263.5	44.8	1.005	.080	-0.701	-0.709
HYDERABA	-18.5	5.1		.056	100	294.9	31.0	1.663	-0.217	-0.467	-0.857
IRKUTSK	-6.5	12.6	W	-0.103	100	343.0	28.8	1.817	-0.461	-0.141	-0.876
KODAIKAN	-19.3	3.3		.107	100	286.0	31.4	1.639	-0.143	-0.501	-0.854
MIYAZAKI	1.2	9.8		-0.097	-100	4.2	36.4	1.356	-0.592	.044	-0.805
NANKING	-4.0	9.7	W	-0.189	100	346.2	36.1	1.373	-0.572	-0.140	-0.809
OITA	1.3	9.9	W	-0.092	100	4.3	36.0	1.375	-0.586	.044	-0.809
SAPPORO	4.1	10.9		.003	100	12.6	32.9	1.543	-0.531	.119	-0.839
TOKYO	4.2	10.0		.004	100	14.1	35.1	1.425	-0.557	.140	-0.819
AKITA	4.0	10.5		-0.002	-100	12.7	34.0	1.481	-0.546	.123	-0.829
KUMAGAYA	4.1	10.1		-0.002	-100	13.4	35.0	1.429	-0.558	.133	-0.819
MAEBASI	3.9	10.1		-0.006	-100	12.9	34.9	1.431	-0.558	.128	-0.820
MORIOKA	4.3	10.5		.008	100	13.8	34.0	1.485	-0.542	.133	-0.830
SUMOTO	2.5	10.0	W	-0.053	100	8.5	35.6	1.395	-0.576	.086	-0.813
ALGER UN	-68.3	34.7		-0.002	-100	310.7	7.7	7.347	-0.088	-0.102	-0.991
TAMANRAS	-82.3	22.0		-0.006	-100	294.3	7.7	7.372	-0.055	-0.122	-0.991
TANANARI	-28.8	-5.7	W	.040	-100	251.6	21.9	2.482	.118	-0.354	-0.928
BELGRADE	-26.2	15.7	W	-0.010	1	315.4	18.2	3.039	-0.222	-0.219	-0.950
DE BILT	-21.0	18.4		-0.017	-100	325.9	18.1	3.061	-0.257	-0.174	-0.951
GRANADA	184.4	88.0		.004	100	51.1	3.0	19.344	-0.032	.040	-0.999
KEW	-20.4	18.6		-0.018	-100	327.0	18.1	3.061	-0.261	-0.169	-0.951
COPENHAG	-19.9	18.6		-0.019	-100	327.7	18.2	3.041	-0.264	-0.167	-0.950
LISBON	-61.7	40.3		.000	100	317.8	7.6	7.499	-0.098	-0.089	-0.991
MALAGA	-66.3	37.1	W	-0.001	1	313.4	7.6	7.448	-0.091	-0.097	-0.991
MOSCOW	-20.4	17.6		-0.020	-100	325.5	18.8	2.943	-0.265	-0.182	-0.947
POTSDAM	-21.7	17.9		-0.017	-100	324.3	18.2	3.041	-0.253	-0.182	-0.950
BERKELEY	29.2	13.7		.151	100	51.6	18.2	3.041	-0.194	.245	-0.950
CLEVELAN	49.1	47.3	W	.036	-1	31.5	7.4	7.660	-0.110	.068	-0.992
FRESNO	29.7	13.5		.151	100	52.4	18.1	3.061	-0.189	.246	-0.951
PASADENA	30.7	12.8		.154	100	54.9	18.1	3.061	-0.179	.254	-0.951
RENO	28.5	14.4		.147	100	49.5	18.1	3.061	-0.202	.236	-0.951
SAINT LO	59.9	41.8		.039	100	40.3	7.5	7.561	-0.100	.085	-0.991
LA PAZ	76.6	-57.0	W	-0.042	100	141.5	5.7	10.051	.077	.062	-0.995


UNIT DISTANCE ON X-AXIS = 12.3
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O PJ
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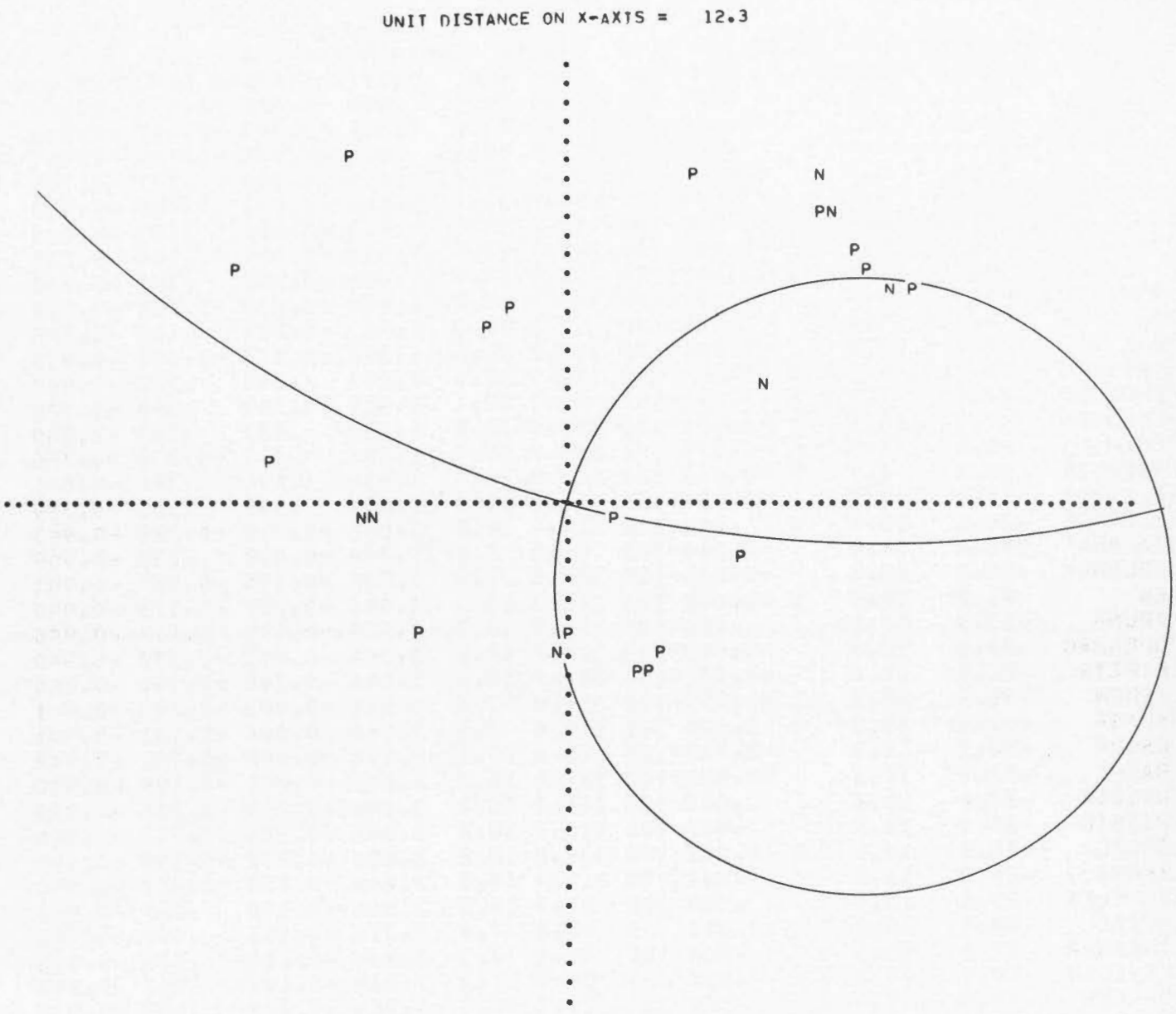
178

* DECEMBER 4, 1950 H = 16.28.01 5S 153.5E DEPTH 100 KM. M = 7

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
TUCSON	30.1	11.0	W	-0.005	100	58.3	19.1	2.887	-0.172	.278	-0.945
HUNGRY H	23.5	15.4	W	.027	-100	42.0	19.3	2.860	-0.245	.221	-0.944
COLLEGE	11.1	16.6		.100	100	21.6	22.1	2.457	-0.350	.139	-0.926
BERKELEY	26.1	12.1		.000	100	52.0	20.3	2.704	-0.214	.273	-0.938
MINERAL	25.4	12.8		.006	100	49.6	20.1	2.729	-0.223	.262	-0.939
PASADENA	28.3	11.3		-0.005	-100	56.0	19.8	2.782	-0.189	.280	-0.941
VICTORIA	22.0	14.8		.027	100	41.3	20.2	2.724	-0.259	.227	-0.939
OTTAWA	22.4	16.6	W	.037	-100	38.7	18.8	2.930	-0.252	.202	-0.946
SAN JUAN	86.5	21.0		.003	100	67.7	7.5	7.636	-0.049	.120	-0.992
LA PLATA	50.4	-43.7		-0.034	-1	145.7	7.8	7.299	.112	.076	-0.991
BOGOTA	90.1	1.5		-0.005	-100	88.3	7.7	7.358	-0.004	.134	-0.991
ALMERIA	-50.0	48.1	W	.014	-100	328.4	7.3	7.793	-0.108	-0.067	-0.992
GRANADA	95.9	13.8		-0.001	-100	76.4	7.1	8.059	-0.029	.120	-0.992
LISBON	-37.6	52.9		.020	100	337.2	7.2	7.916	-0.115	-0.048	-0.992
RATHFARN	-23.8	50.8		.030	100	344.5	7.8	7.271	-0.131	-0.036	-0.991
LEIPZIG	-41.5	45.7		.023	100	331.8	8.0	7.153	-0.122	-0.065	-0.990
ZURICH	-44.1	45.6		.020	100	330.2	7.9	7.244	-0.119	-0.068	-0.991
CHUR	-45.5	45.1		.020	100	329.1	7.9	7.241	-0.117	-0.070	-0.991
DE BILT	-35.5	47.8		.026	100	336.3	7.9	7.205	-0.126	-0.055	-0.991
STUTTGAR	-42.7	45.8		.022	100	331.1	7.9	7.218	-0.120	-0.066	-0.991
BELGRADE	-54.3	40.6	W	.012	-100	321.7	8.0	7.140	-0.109	-0.086	-0.990
ROME	-54.3	41.9		.012	100	322.5	7.8	7.279	-0.108	-0.083	-0.991
MOSCOW	-19.2	17.9		.139	100	327.6	18.8	2.929	-0.273	-0.173	-0.946
RACIBORZ	-46.3	43.7		.020	100	327.9	8.0	7.110	-0.118	-0.074	-0.990
TRIESTE	-49.8	43.2		.016	100	325.6	7.9	7.210	-0.113	-0.077	-0.991
KSARA	-29.4	12.2		.051	100	305.1	18.8	2.930	-0.186	-0.264	-0.946
COLOMBO	-26.4	2.4	W	-0.123	100	278.5	24.6	2.183	-0.062	-0.412	-0.909
TOKYO	-4.8	9.6		.428	100	343.4	35.9	1.383	-0.561	-0.168	-0.810
SUMOTO	-6.6	9.3		.433	100	337.2	35.8	1.389	-0.539	-0.227	-0.812
DJAKARTA	-17.6	-0.7		-0.326	-100	266.3	34.8	1.441	.036	-0.569	-0.822
BANDONG	-17.4	-0.8		-0.340	-100	265.4	35.0	1.427	.046	-0.572	-0.819
HONOLULU	17.0	5.9		-0.111	-100	59.4	31.8	1.609	-0.268	.454	-0.850
PERTH	-12.8	-6.8	W	-0.514	100	228.1	35.4	1.406	.387	-0.431	-0.815
RABAUL	3.5	-1.3		.486	100	301.6	108.8	.340	-0.496	-0.806	.323
APIA	15.0	-2.7		.063	100	106.8	37.9	1.283	.177	.588	-0.789
RIVERVIE	-1.0	-8.4		-0.052	-100	184.0	40.7	1.162	.650	-0.046	-0.758
CHRISTCH	6.0	-9.3		.176	100	159.1	36.0	1.374	.549	.210	-0.809
WELLINGT	7.0	-9.0		.203	100	155.3	36.3	1.360	.538	.248	-0.806
BRISBANE	-0.2	-7.2		.030	100	181.1	45.2	.991	.710	-0.014	-0.704
AUCKLAND	7.7	-8.3		.237	100	151.2	37.3	1.311	.531	.292	-0.795
TAMANRAS	-82.9	31.6		-0.017	-100	302.8	7.1	8.049	-0.067	-0.104	-0.992


UNIT DISTANCE ON X-AXIS = 12.3
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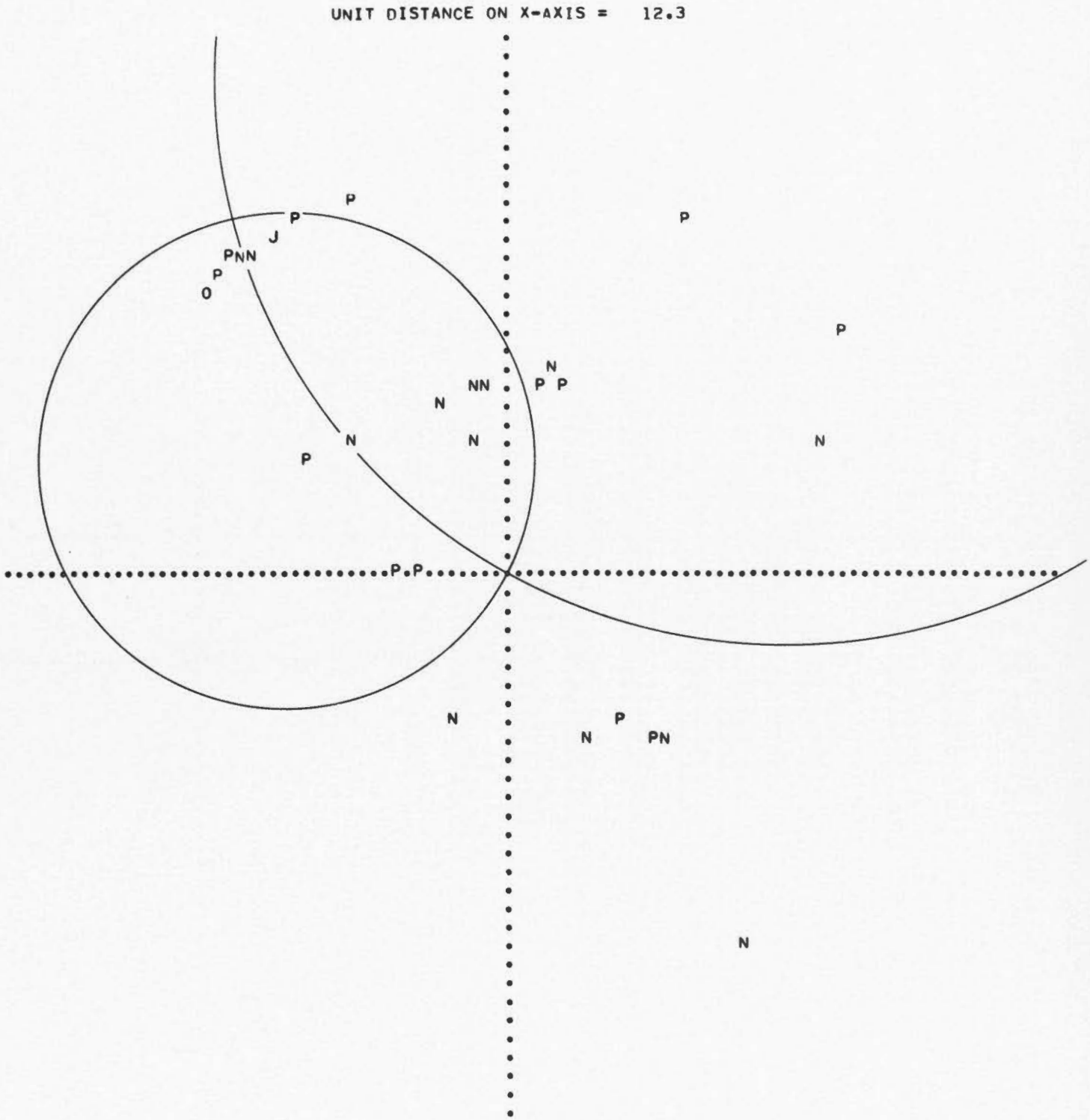
217

FEBRUARY 14, 1952 H = 03.38.15 7.7S 126.5E DEPTH NORMAL M = 7.2

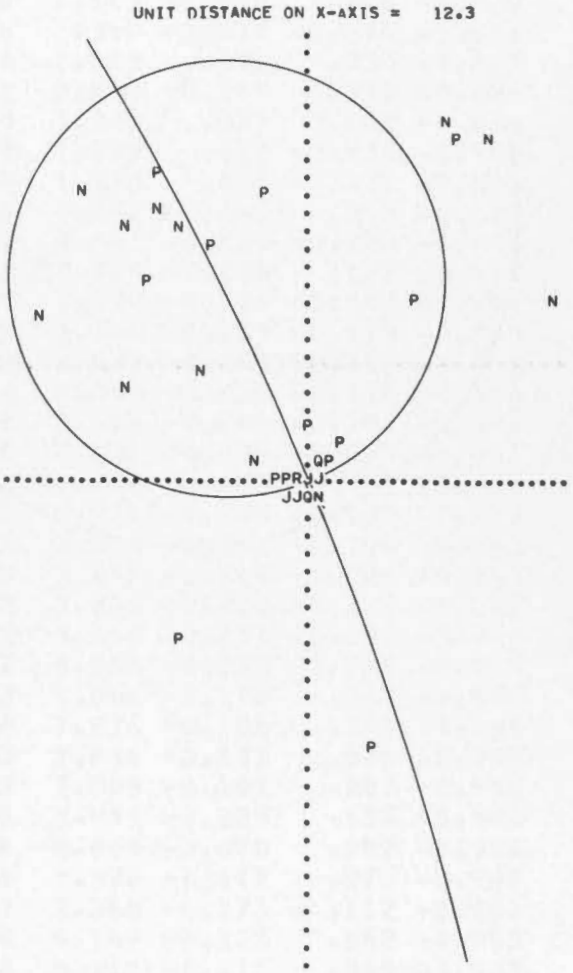
STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
BANDONG	-8.1	.1		.528	100	271.4	56.4	.665	-0.020	-0.832	-0.554
CALCUTTA	-14.5	7.1		-0.002	-100	309.7	33.1	1.536	-0.349	-0.419	-0.838
DJAKARTA	-10.1	.4		.426	100	273.3	50.4	.827	-0.045	-0.769	-0.637
HONG KON	-5.9	8.7		-0.150	-100	338.2	37.7	1.292	-0.568	-0.227	-0.791
HYDERABA	-17.9	5.7		.062	100	298.2	31.1	1.660	-0.243	-0.455	-0.857
KOBE	3.2	10.4		.036	100	10.5	34.5	1.453	-0.557	.103	-0.824
MANILLA	-3.1	7.4		-0.221	-100	346.1	43.5	1.052	-0.669	-0.166	-0.725
MATSUSHI	4.2	10.5	W	.062	-100	13.3	33.9	1.490	-0.542	.128	-0.830
NANKING	-3.1	10.1		-0.099	-100	349.8	35.2	1.416	-0.568	-0.102	-0.817
TOKYO	4.8	10.4		.079	100	15.3	34.0	1.483	-0.539	.148	-0.829
ZOSE	-2.2	10.1		-0.091	-100	352.7	35.5	1.399	-0.577	-0.074	-0.814
CHRISTCH	13.2	-9.2	W	-0.369	100	139.5	31.0	1.663	.392	.335	-0.857
HONOLULU	27.7	7.0	W	.176	-100	66.7	22.1	2.459	-0.149	.346	-0.926
MELBOURN	7.3	-8.7		-0.570	-100	153.6	36.9	1.332	.537	.267	-0.800
PERTH	-5.1	-7.8		-0.378	-1	200.9	40.9	1.154	.611	-0.234	-0.756
RIVERVIE	10.0	-7.7	W	-0.468	100	142.2	36.8	1.336	.474	.367	-0.801
WELLINGT	14.2	-8.7		-0.334	-100	136.1	30.8	1.674	.369	.355	-0.859
BELGRADE	-26.6	15.4	W	.003	-100	314.4	18.2	3.040	-0.219	-0.223	-0.950
GRANADA	293.0	94.9		-0.044	-100	61.3	2.1	27.268	-0.018	.032	-0.999
KARLSRUH	-56.4	40.5		-0.015	-100	320.5	7.9	7.235	-0.106	-0.087	-0.991
KEW	-21.2	18.2	W	-0.002	100	325.3	18.2	3.046	-0.257	-0.178	-0.950
KIRUNA	-13.9	20.4		.000	100	338.0	18.2	3.038	-0.290	-0.117	-0.950
COPENHAG	-20.5	18.4		-0.002	-100	326.6	18.2	3.046	-0.261	-0.172	-0.950
LEIPZIG	-22.9	17.4		-0.001	-100	322.2	18.2	3.046	-0.246	-0.191	-0.950
LISBON	-65.5	38.5		-0.019	-100	314.8	7.6	7.531	-0.093	-0.093	-0.991
MALAGA	-69.5	35.2		-0.020	-1	310.6	7.6	7.468	-0.086	-0.101	-0.991
MOSCOW	-20.7	17.7		-0.003	-100	325.4	18.6	2.974	-0.262	-0.181	-0.948
PRAGUE	-23.7	17.1		-0.000	-100	320.6	18.2	3.046	-0.241	-0.198	-0.950
TORTOSA	-27.0	15.2		.003	100	313.7	18.2	3.046	-0.215	-0.226	-0.950
TRIESTE	-25.9	15.9		.002	100	316.0	18.2	3.046	-0.224	-0.217	-0.950
UPPSALA	-18.5	19.1	W	-0.002	100	330.2	18.2	3.040	-0.271	-0.155	-0.950
VIENNA	-24.8	16.5		.001	100	318.4	18.2	3.046	-0.233	-0.207	-0.950
BERKELEY	29.6	13.5		.128	100	52.4	18.2	3.046	-0.190	.247	-0.950
BUTTE	59.7	39.2		.011	1	42.0	7.8	7.276	-0.101	.091	-0.991
CINCINNA	57.6	45.5		.006	100	36.8	7.3	7.844	-0.101	.076	-0.992
CLEVELAN	50.9	48.3	W	.007	-1	32.0	7.3	7.848	-0.107	.067	-0.992
COLLEGE	15.5	19.4		.092	100	25.3	18.6	2.965	-0.289	.137	-0.948
MIAMI	85.2	40.2		-0.006	-100	51.4	6.4	8.899	-0.070	.087	-0.994
SASKATOO	50.0	43.9		.011	100	34.0	7.8	7.302	-0.112	.076	-0.991
TUCSON	75.6	29.2		.004	100	56.9	7.7	7.368	-0.073	.112	-0.991
WASHINGT	50.9	50.8	W	.004	-100	30.7	7.0	8.142	-0.105	.062	-0.993
WESTON	36.7	54.7		.004	100	21.6	7.0	8.113	-0.114	.045	-0.993
BERMUDA	44.4	67.0		-0.007	-100	21.4	5.8	9.926	-0.093	.037	-0.995
BOGOTA	149.0	-11.2		-0.053	-100	97.3	4.7	12.260	.010	.081	-0.997
LA PAZ	60.3	-59.4	W	-0.108	100	149.0	6.0	9.561	.089	.054	-0.995
LA PAZ	20.6	-20.3		-0.242	-100	149.0	17.1	3.261	.251	.151	-0.956
SAN JUAN	139.9	74.8		-0.028	-1	47.9	3.7	15.384	-0.043	.048	-0.998
SAN JUAN	139.9	74.8		-0.028	-1	47.9	3.7	15.384	-0.043	.048	-0.998
TACUBAYA	88.5	18.6	W	-0.010	1	70.5	7.4	7.668	-0.043	.122	-0.992

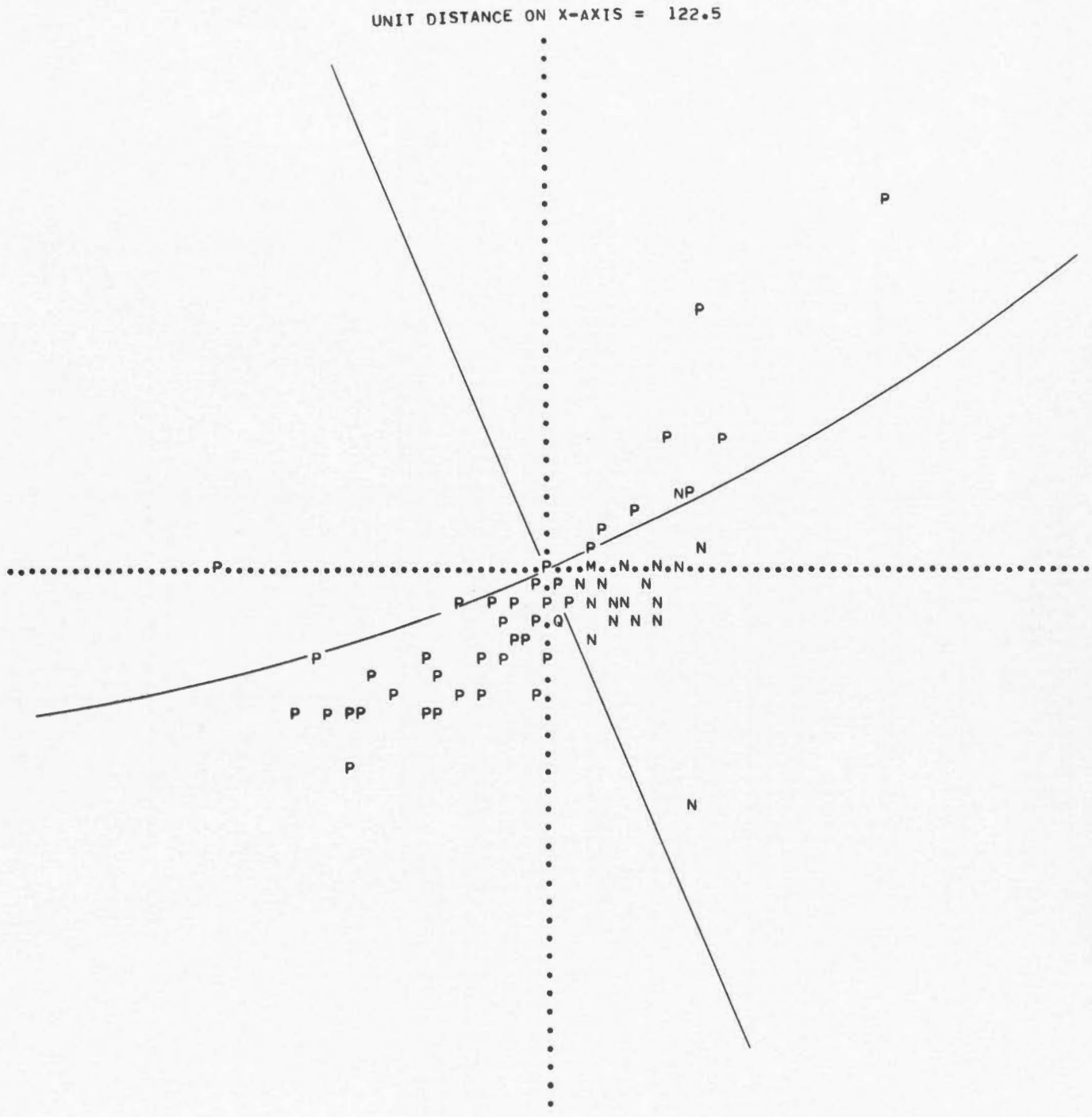

UNIT DISTANCE ON X-AXIS = 12.3

220

MARCH 7, 1952 H = 07.32.38 36.5N 136.2E DEPTH 20 KM. M = 6.5

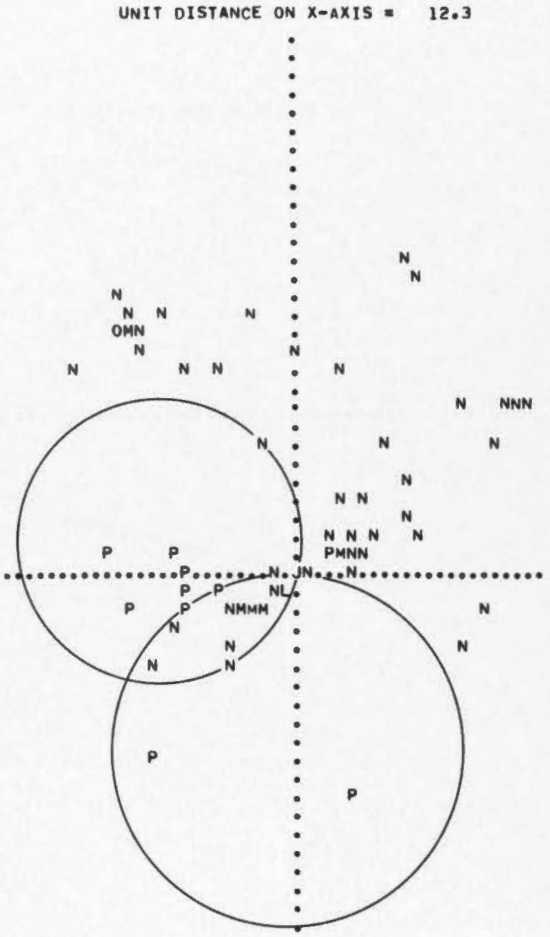
STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
AIKAWA	.5	.2		.453	100	50.2	87.0	.052	-0.639	.768	-0.053
AKITA	1.1	.7		.564	100	44.2	82.7	.128	-0.711	.691	-0.128
FUKUI	-0.3	3.2		.468	100	176.8	114.0	.444	.912	.051	.406
FUNATSU	.7	-0.2		-0.925	-100	118.9	86.3	.063	.482	.874	-0.064
GIFU	.1	-0.1		.161	100	160.1	88.9	.018	.940	.340	-0.019
HAMAMATS	.4	-0.4		-0.255	-100	147.6	86.5	.061	.843	.534	-0.062
HIKONA	.0	-0.2		.689	100	178.2	88.7	.022	.999	.031	-0.023
HIMEJI	-0.4	-0.3		.879	100	213.9	86.7	.057	.829	-0.556	-0.057
HIROSHIM	-1.1	-0.5		.435	100	234.1	83.5	.114	.583	-0.805	-0.114
IIDA	.4	-0.2		-0.721	-100	130.9	87.7	.039	.655	.755	-0.039
IZUHARA	-2.1	-0.5		.025	100	248.2	79.6	.183	.365	-0.913	-0.181
KAGOSHIM	-1.8	-1.1		.733	100	224.2	78.3	.207	.702	-0.683	-0.203
KAMEYAMA	.1	-0.3		.562	100	173.1	87.6	.042	.992	.120	-0.043
KANAZAWA	-5.2	1.1		-0.610	-100	110.3	114.5	.454	.316	.854	.414
KOBE	-0.3	-0.4		.973	100	202.8	86.8	.055	.921	-0.387	-0.055
KOCHI	-0.8	-0.7		.872	100	215.7	83.5	.113	.807	-0.580	-0.113
KOFU	.6	-0.2		-0.937	-100	117.3	86.8	.055	.457	.888	-0.055
KUMAGAYA	.9	-0.1		-0.925	-100	100.8	85.9	.072	.187	.980	-0.072
KUMAMOTO	-1.7	-0.8		.551	100	231.0	80.0	.176	.620	-0.765	-0.174
KYOTO	-0.1	-0.3		.935	100	193.0	87.9	.036	.974	-0.224	-0.037
MAEBASI	.7	-0.0		-0.860	-100	96.1	86.5	.061	.107	.992	-0.061
MAIZURU	-0.1	-0.1		.924	100	208.8	88.8	.020	.876	-0.482	-0.020
MATSUMOT	.3	-0.1		-0.948	-100	106.4	88.4	.027	.282	.959	-0.028
MATSUSHI	.4	-0.0		-0.823	-100	94.7	88.1	.033	.082	.996	-0.034
MATSUYAM	-1.0	-0.6		.673	100	225.5	83.2	.118	.696	-0.708	-0.118
MISHIMA	.8	-0.3		-0.859	-100	124.1	85.7	.075	.559	.825	-0.075
MITO	1.2	-0.0		-0.837	-100	93.7	84.2	.101	.065	.993	-0.101
MIYAKO	1.6	.7		.228	100	55.3	80.8	.161	-0.562	.812	-0.160
MUROTOMI	-0.6	-0.7		.975	100	206.3	83.5	.113	.890	-0.441	-0.113
NAGANO	.4	-0.0		-0.732	-100	90.0	88.1	.032	.000	.999	-0.033
NAGASAKI	-2.0	-0.8		.453	100	234.7	78.9	.196	.567	-0.801	-0.193
NAGOYA	.2	-0.2		.073	100	157.5	88.0	.034	.923	.383	-0.034
NIIGATA	.8	.3		.114	100	60.8	85.9	.071	-0.487	.870	-0.071
OITA	-1.4	-0.7		.601	100	228.8	81.4	.152	.651	-0.744	-0.150
OIWAKE	.5	-0.1		-0.903	-100	99.8	87.4	.045	.171	.984	-0.046
ONAHOMA	1.4	.1		-0.643	-100	84.6	83.6	.112	-0.094	.989	-0.112
OSAKA	-0.2	-0.4		.966	100	196.8	86.9	.054	.956	-0.289	-0.054
OWASE	.0	-0.5		.729	100	179.6	85.9	.072	.997	.006	-0.072
SAPPORO	1.4	1.4		.751	100	30.2	77.3	.224	-0.843	.491	-0.220
SENDAI	1.3	.4	W	-0.077	100	65.6	83.1	.120	-0.409	.904	-0.120
SHIMIZU	-1.0	-0.8		.887	100	215.2	82.0	.141	.809	-0.571	-0.140
SHIMONOS	-1.6	-0.6		.298	100	239.1	81.4	.152	.507	-0.849	-0.150
SHIONOMI	-0.1	-0.7		.864	100	186.4	84.6	.094	.989	-0.111	-0.094
SHIZUOKA	.6	-0.3		-0.674	-100	133.2	86.2	.066	.683	.727	-0.067
SUMOTO	-0.4	-0.5		.970	100	205.1	86.0	.070	.903	-0.423	-0.070
TAKADA	.4	.1	W	-0.336	100	75.2	87.9	.036	-0.255	.966	-0.037
TAKAMATS	-0.6	-0.5		.836	100	217.2	85.2	.084	.794	-0.602	-0.084
TOKYO	1.0	-0.2		-0.976	-100	108.1	85.0	.087	.309	.947	-0.088
TOMIE	-2.3	-0.8		.348	100	238.6	77.6	.220	.509	-0.833	-0.216
TORI SHI	1.3	-1.3		-0.186	-100	149.9	78.0	.212	.847	.490	-0.208
TOTTORI	-0.5	-0.2		.370	100	235.0	87.2	.049	.572	-0.819	-0.049
TOYAMA	-3.0	-0.0	W	-0.514	100	88.8	103.7	.243	-0.021	.971	.237
TOYOOKA	-0.3	-0.2		.653	100	224.6	88.1	.032	.711	-0.702	-0.033
TSU	.1	-0.3		.545	100	172.5	87.2	.048	.990	.131	-0.049
TSURUGA	.0	.0		.838	100	186.1	90.3	.004	.994	-0.106	.005
UNZENDAK	-1.8	-0.8		.504	100	232.8	79.3	.188	.593	-0.783	-0.185
UTUNOMIY	1.0	-0.0		-0.788	-100	91.5	85.2	.084	.026	.996	-0.084
WAJIMA W	-1.1	-0.8		.822	100	39.2	98.5	.148	-0.767	.625	.147
YAMAGATA	1.2	.4	W	.003	-100	63.4	83.8	.108	-0.445	.889	-0.107
YOKOHAMA	1.0	-0.3		-0.972	-100	113.1	85.0	.088	.390	.916	-0.088
YONAGO	-0.8	-0.2		.149	100	242.4	85.9	.072	.462	-0.884	-0.072
BERKELEY	22.8	10.2		-0.164	-100	52.9	23.2	2.332	-0.237	.314	-0.919
CLEVELAN	16.8	19.1		-0.058	-1	27.5	18.6	2.967	-0.283	.147	-0.948
COLLEGE	10.5	10.0		.011	100	31.9	31.7	1.617	-0.446	.278	-0.851
COPENHAG	-13.8	14.8		-0.002	-100	331.0	23.2	2.330	-0.345	-0.191	-0.919
DJAKARTA	-12.3	-9.0		.452	100	219.1	32.1	1.596	.412	-0.334	-0.848
IRKUTSK	-10.3	6.1		-0.140	-100	314.9	40.0	1.191	-0.454	-0.455	-0.766
KEW	-14.1	17.4		.001	100	334.4	20.6	2.661	-0.317	-0.152	-0.936
KIRKLAND	13.9	18.9	W	-0.044	100	23.5	19.4	2.843	-0.304	.132	-0.943
KIRUNA	-9.1	13.3		.011	100	337.9	26.7	1.984	-0.417	-0.169	-0.893
KSARA	-24.5	9.5		-0.008	-100	303.1	22.7	2.392	-0.211	-0.323	-0.923
KURILISK	3.1	2.0		.417	100	42.3	69.3	.378	-0.692	.629	-0.354
LA PAZ	91.3	40.1	W	-0.070	100	53.5	6.1	9.280	-0.064	.086	-0.994
MOSCOW	-14.9	11.3	W	-0.025	100	321.9	26.8	1.975	-0.355	-0.278	-0.892
OTTAWA	13.4	19.8		-0.042	-100	21.9	18.8	2.939	-0.299	.120	-0.947
RACIBORZ	-17.0	14.1		-0.008	-100	324.4	22.7	2.388	-0.314	-0.225	-0.922
RIVERVIE	6.0	-15.3		.092	100	166.9	24.7	2.169	.408	.095	-0.908
ROME	-20.9	15.6		-0.003	-100	321.5	20.0	2.742	-0.268	-0.213	-0.940
SCORESBY	-3.5	15.7		.026	100	352.4	24.6	2.182	-0.413	-0.055	-0.909
TASHKENT	-17.5	5.3		-0.080	-100	297.1	31.9	1.604	-0.241	-0.471	-0.849
UPPSALA	-12.4	13.9		-0.002	-100	332.1	24.8	2.164	-0.371	-0.196	-0.908

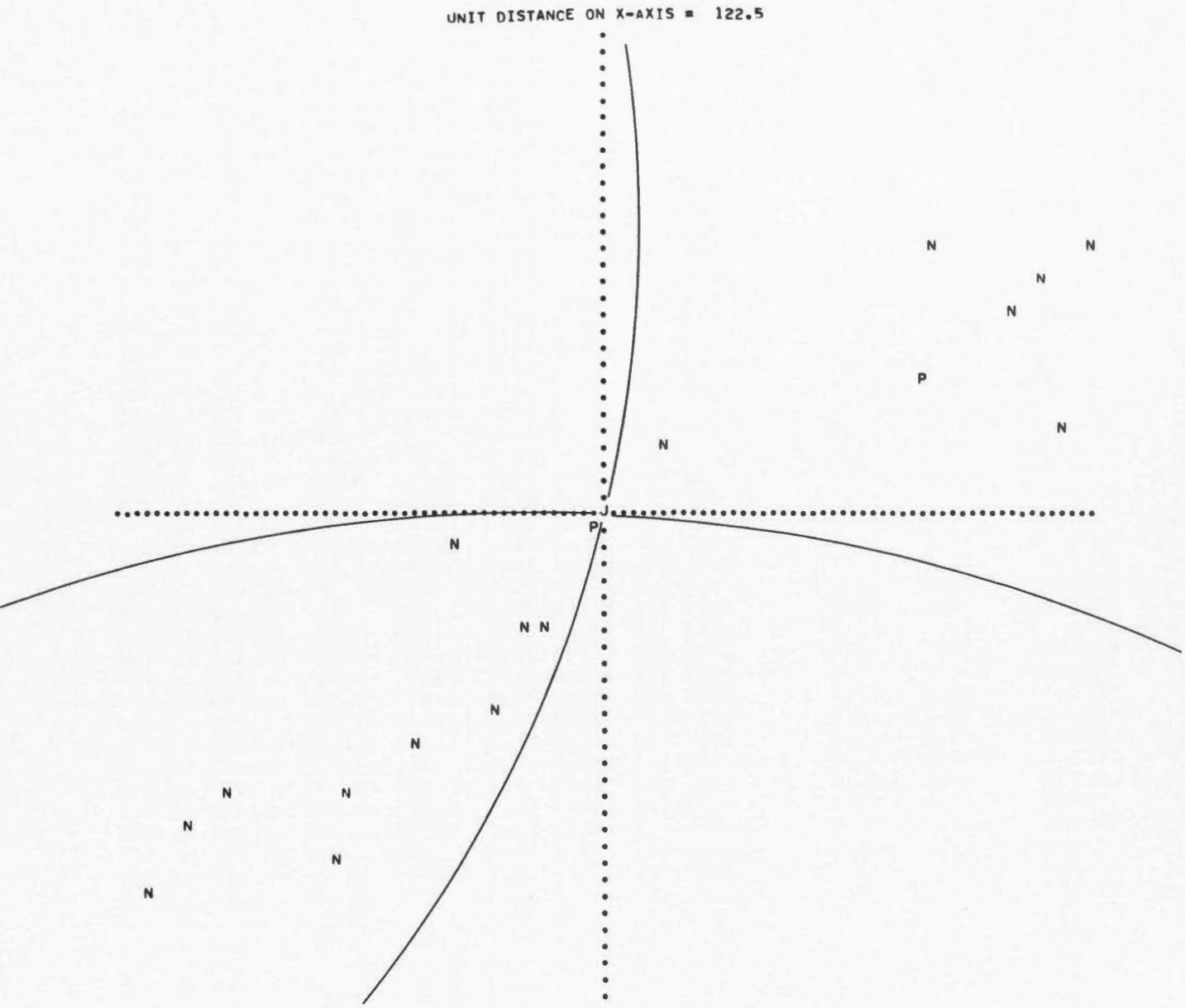



UNIT DISTANCE ON X-AXIS = 122.5

226
MAY 28, 1952 H = 07.59.09 35.1N 135.8E DEPTH 370 KM. M = 6.8

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
AIKAWA	-5.5	-4.7	W	.035	-100	35.1	128.2	.786	-0.643	.452	.618
AKITA	-2.7	-2.1		-0.178	-100	36.4	110.1	.365	-0.756	.557	.343
ASAHIKAW	-0.1	-0.1	W	-0.352	100	28.9	90.7	.012	-0.875	.483	.012
FUKUI	0	0		-0.265	-100	24.7	90.0	0	-0.909	.417	-0.000
FUKUOKO	5.5	1.1		-0.815	-100	250.7	115.5	.476	.298	-0.852	.431
FUKUSHIM	-5.3	-2.2		-0.195	-100	55.4	117.6	.523	-0.504	.729	.464
HACHINOH	-1.9	-1.4		-0.311	-100	39.1	104.0	.248	-0.753	.613	.242
HIKONA	0	0		-0.006	-100	92.5	90.0	0	.044	.999	-0.000
HIMEJI	0	0		-0.601	-100	243.9	90.0	0	.440	-0.898	-0.000
HIROSHIM	11.0	2.0		-0.837	-100	252.6	133.4	.944	.217	-0.694	.687
IBUKIYAM	0	0		-0.375	-100	78.0	90.0	0	-0.208	.978	-0.000
ISHINOMA	-3.8	-1.7		-0.291	-100	52.9	111.2	.386	-0.563	.743	.361
IZUHARA	4.6	.5		-0.581	-100	260.4	110.8	.379	.156	-0.922	.355
KAGOSHIM	3.3	1.6		-0.916	-100	231.3	109.3	.349	.590	-0.737	.330
KAMEYAMA	0	0	W	.876	-100	128.2	90.0	0	.618	.786	-0.000
KOBE	0	0		-0.566	-100	220.4	90.0	0	.762	-0.648	-0.000
KOCHI	10.1	5.4		-0.954	-100	227.9	137.9	1.108	.449	-0.497	.742
KOFU	-15.3	-1.7		.041	100	79.6	141.8	1.272	-0.112	.608	.786
KUMAGAYA	-10.4	-1.9		.001	100	72.4	131.7	.890	-0.225	.712	.665
KUMAMOTO	4.9	1.6		-0.927	-100	241.1	114.7	.460	.439	-0.795	.419
MAEBASI	-10.8	-2.8		-0.016	-100	66.2	133.9	.962	-0.290	.659	.694
MATSUSHI	-12.8	-5.0		-0.001	-100	56.8	141.4	1.251	-0.342	.522	.781
MATSUYAM	10.3	3.4		-0.953	-100	240.7	133.9	.962	.353	-0.628	.694
MITO	-7.4	-1.4	W	-0.058	100	72.5	122.4	.634	-0.254	.805	.536
MORI	-1.1	-1.2		-0.156	-100	27.3	100.8	.191	-0.873	.450	.188
MORIOKA	-2.6	-1.7		-0.294	-100	42.4	107.3	.310	-0.705	.644	.297
MUROTOMI	8.0	7.1		-0.862	-100	213.8	139.7	1.177	.538	-0.360	.762
NAGASAKI	4.1	1.2		-0.862	-100	244.3	110.3	.370	.406	-0.845	.348
NAGOYA	0	0	W	.111	-100	96.6	90.0	0	.116	.993	-0.000
NEMURO	.6	.4		-0.642	-100	40.4	85.4	.080	-0.759	.646	-0.080
NIIGATA	-5.9	-3.6		-0.067	-100	43.9	124.7	.692	-0.592	.570	.569
OITA	6.6	2.2		-0.964	-100	240.6	121.6	.615	.418	-0.742	.524
ONAHOMA	-6.0	-1.5		-0.151	-100	66.5	118.0	.531	-0.352	.810	.469
OSHIMA	-11.0	1.0		.217	100	98.9	132.4	.912	.115	.730	.674
OWASE	-3.3	7.1		-0.033	-100	164.6	135.3	1.009	.678	.186	.711
SAGA	5.0	1.2		-0.853	-100	247.5	114.0	.444	.350	-0.844	.407
SAIGO	14.8	-4.1		-0.142	-100	295.3	143.1	1.332	-0.256	-0.543	.800
SAPPORO	-0.6	-0.7		-0.228	-100	27.3	96.1	.107	-0.884	.455	.107
SENDAI	-4.2	-1.9		-0.254	-100	52.4	113.5	.433	-0.559	.727	.398
SHIMIZU	6.5	4.0		-0.976	-100	224.1	127.4	.763	.571	-0.553	.607
SHIONOMI	.4	12.0		-0.462	-100	181.1	148.9	1.655	.517	-0.010	.856
SHIRAKAW	-1.5	-0.2		-0.335	-100	74.7	97.3	.128	-0.262	.957	.127
SHIZUOKA	-16.6	1.3		.099	100	97.7	143.8	1.366	.079	.585	.807
TAKAMATS	18.1	7.0		-0.820	-100	236.6	150.5	1.765	.271	-0.411	.870
TOKYO	-9.9	-0.8		.065	100	81.8	129.3	.818	-0.110	.766	.634
TOMIE	3.2	.8	W	-0.778	100	247.5	106.0	.286	.369	-0.888	.275
TOTTORI	16.5	-1.8		-0.399	-100	280.5	144.0	1.373	-0.107	-0.579	.809
TOYAMA	-12.8	-9.5		.031	100	38.4	149.2	1.677	-0.401	.318	.859
TOYOOKA	0	0	W	.421	-100	287.6	90.0	0	-0.302	-0.953	-0.000
TSURUGA	0	0	W	-0.402	100	30.7	90.0	0	-0.860	.511	-0.000
UNZENDAK	4.4	1.4		-0.895	-100	242.6	112.1	.406	.426	-0.823	.377
URAKAWA	-0.8	-0.7		-0.395	-100	36.4	96.6	.116	-0.800	.589	.115
WAKAYAMA	3.8	4.4		-0.753	-100	206.6	124.5	.686	.737	-0.370	.566
YAMAGATA	-4.6	-2.3		-0.206	-100	49.6	116.1	.489	-0.582	.684	.440
YOKOHAMA	-10.4	-0.4		.106	100	86.2	130.5	.854	-0.051	.758	.650
ATHENS	-19.5	10.6		-0.109	-100	312.5	24.8	2.164	-0.284	-0.309	-0.908
BASEL	-14.5	13.6		-0.205	-100	327.7	24.3	2.218	-0.347	-0.219	-0.912
BERKELEY	18.9	8.6		-0.796	-100	52.5	27.3	1.941	-0.279	.363	-0.889
CARTUJA	-15.7	15.0		-0.236	-1	328.3	22.3	2.439	-0.323	-0.199	-0.925
CHINA LA	20.2	9.3		-0.772	-100	51.9	25.6	2.090	-0.266	.340	-0.902
CHUR	-15.0	13.3		-0.193	-100	326.2	24.4	2.208	-0.343	-0.229	-0.911
KEW	-11.8	14.5		-0.252	-100	334.2	24.3	2.218	-0.370	-0.179	-0.912
KIRKLAND	11.4	15.7		-0.650	-100	23.2	23.0	2.355	-0.359	.154	-0.921
KIRUNA	-7.4	10.9		-0.178	-100	338.0	31.7	1.618	-0.487	-0.197	-0.851
PASADENA	20.8	9.1		-0.767	-100	53.5	25.3	2.113	-0.254	.344	-0.904
PRAGUE	-14.0	12.3		-0.166	-100	326.1	26.0	2.046	-0.364	-0.245	-0.899
PRATO	-16.4	13.1	W	-0.182	1	323.4	23.9	2.252	-0.326	-0.242	-0.914
RESOLUTE	4.4	11.2		-0.607	-100	13.1	32.2	1.590	-0.518	.120	-0.847
REYKJAVI	-4.2	14.3		-0.371	-100	350.2	26.5	2.007	-0.439	-0.076	-0.895
RIVERVIE	4.9	-12.1		.162	100	166.4	30.2	1.719	.489	.118	-0.864
SEATTLE	15.1	9.2		-0.820	-100	44.1	29.5	1.767	-0.354	.343	-0.870
STUTTGAR	-14.2	13.3		-0.197	-100	327.7	24.8	2.165	-0.354	-0.224	-0.908
TRIESTE	-15.9	12.6		-0.169	-100	323.3	24.7	2.172	-0.335	-0.250	-0.908
UPPSALA	-10.2	11.4		-0.161	-100	332.2	29.3	1.782	-0.433	-0.228	-0.872
WESTON	10.2	16.6		-0.624	-100	20.0	22.3	2.441	-0.356	.130	-0.925
ZURICH	-14.7	13.4		-0.199	-100	327.1	24.4	2.209	-0.346	-0.224	-0.911




UNIT DISTANCE ON X-AXIS = 122.5
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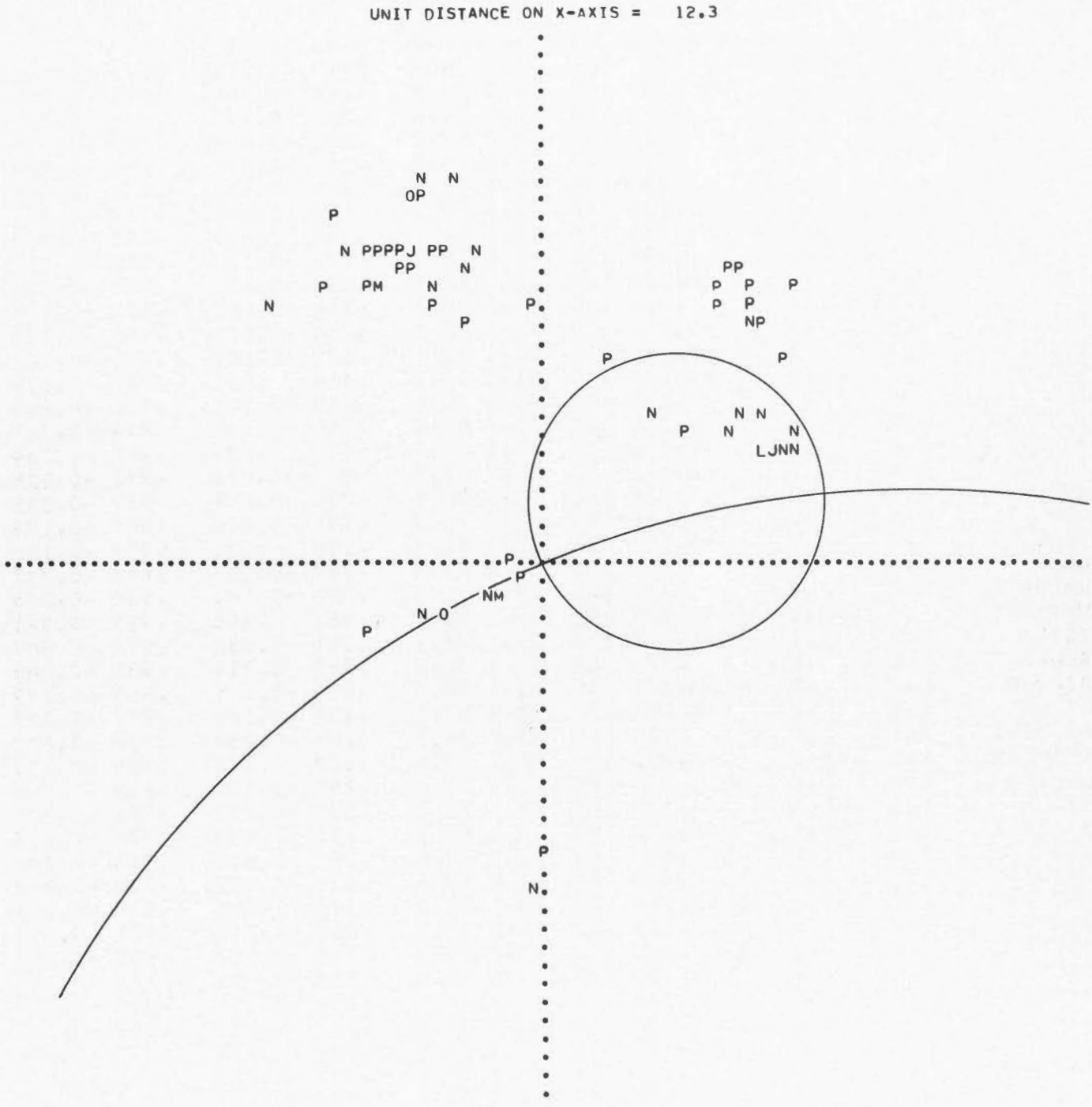
JUNE 22, 1952 H = 21.41.53 46N 153.5E DEPTH NORMAL M = 7

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ABERDEEN	-6.5	16.1	W	.259	-1	346.5	23.6	2.287	-0.389	-0.093	-0.916
ALICANTE	-12.4	19.9		.264	100	339.8	18.9	2.924	-0.304	-0.112	-0.946
ALMERIA	-11.9	20.3	W	.258	-100	340.9	18.7	2.960	-0.302	-0.105	-0.947
ATHENS	-20.1	15.4		.345	100	322.4	20.4	2.685	-0.277	-0.213	-0.937
BELGRADE	-16.1	15.4		.344	100	328.2	21.8	2.497	-0.316	-0.196	-0.928
BERKELEY	20.4	5.7		-0.015	-100	64.9	28.6	1.837	-0.203	.433	-0.878
BOZEMAN	18.3	8.4		-0.027	-100	52.0	27.9	1.892	-0.287	.368	-0.884
BRISBANE	-0.2	-16.1	W	-0.329	100	180.4	24.3	2.216	.411	-0.003	-0.912
BUDAPEST	-14.7	15.3	W	.341	-100	330.4	22.4	2.422	-0.332	-0.188	-0.924
CARTUJA	-11.3	20.4		.254	1	341.8	18.7	2.958	-0.304	-0.100	-0.947
CHICAGO	19.4	12.7	W	.012	-100	42.2	23.0	2.356	-0.289	.262	-0.921
CINCINNA	20.5	13.5		.020	100	41.9	21.8	2.500	-0.276	.248	-0.929
CLEVELAN	19.0	14.0		.025	1	38.7	22.0	2.477	-0.292	.234	-0.927
COLLEGE	10.3	7.8		-0.113	-100	37.8	36.2	1.367	-0.466	.361	-0.807
COLUMBIA	22.7	14.6		.030	100	42.7	20.1	2.737	-0.252	.233	-0.939
COPENHAG	-10.1	15.0	W	.315	-100	338.2	24.2	2.229	-0.380	-0.152	-0.912
DE BILT	-9.8	16.5		.288	100	340.7	22.5	2.416	-0.361	-0.126	-0.924
FAYETTEV	22.4	11.2		.006	100	49.9	22.7	2.392	-0.249	.295	-0.923
FLORENCE	-14.6	17.3		.306	100	333.5	20.6	2.667	-0.314	-0.156	-0.936
FRESNO	21.0	5.9		-0.013	-100	64.5	27.7	1.901	-0.200	.420	-0.885
FUKUOKO	-10.9	-3.3		-0.021	-100	243.0	45.0	.999	.321	-0.630	-0.707
HARVARD	16.9	16.1		.047	100	31.8	21.0	2.611	-0.304	.188	-0.934
HELWAN	-25.2	13.7	W	.354	-100	312.6	19.7	2.798	-0.228	-0.248	-0.942
HIROSHIM	-9.2	-3.0		-0.076	-100	241.4	49.5	.855	.363	-0.667	-0.650
HONG KON	-15.9	-4.0		.075	100	246.9	35.4	1.409	.227	-0.532	-0.816
JENA	-11.7	15.9		.313	100	336.5	22.7	2.393	-0.353	-0.154	-0.923
KALOCSA	-15.1	15.4	W	.340	-100	330.0	22.1	2.457	-0.326	-0.189	-0.926
KARLSRUH	-11.7	16.8		.299	100	337.5	21.8	2.501	-0.343	-0.142	-0.929
KEW	-8.5	17.3		.267	100	343.7	21.9	2.489	-0.358	-0.104	-0.928
KIRKLAND	15.6	13.8		.024	100	33.9	23.6	2.288	-0.332	.223	-0.916
KIRUNA	-7.2	12.8		.314	100	341.5	28.3	1.858	-0.449	-0.150	-0.881
KOTI-KOC	-8.7	-3.2	W	-0.168	100	237.8	49.9	.841	.407	-0.648	-0.644
LA PAZ	84.3	24.8		.037	100	63.5	7.4	7.684	-0.057	.115	-0.992
LISBON	-8.5	20.8	W	.234	-100	346.5	18.7	2.950	-0.312	-0.075	-0.947
MALAGA	-11.0	20.5	W	.251	-1	342.3	18.6	2.968	-0.304	-0.097	-0.948
MATSUSHI	-4.6	-1.9		-0.309	-100	235.9	65.4	.458	.510	-0.753	-0.417
MESSINA	-18.1	17.2	W	.317	-100	328.1	19.7	2.796	-0.286	-0.178	-0.942
MINERAL	19.6	6.1		-0.021	-100	62.2	28.9	1.808	-0.226	.428	-0.875
MOUNT HA	20.6	5.7		-0.014	-100	65.0	28.3	1.858	-0.200	.429	-0.881
NEMURO	-2.0	-0.5		.021	100	247.4	79.7	.181	.377	-0.909	-0.179
OTTAWA	16.2	14.9		.036	100	32.9	22.3	2.441	-0.318	.206	-0.925
PALISADE	18.0	15.8		.042	100	34.1	20.8	2.628	-0.294	.199	-0.935
PALOMAR	22.6	6.0		-0.008	-100	65.7	26.3	2.021	-0.182	.404	-0.896
PASADENA	22.1	5.9		-0.009	-100	65.8	26.8	1.980	-0.185	.411	-0.893
PAVIA	-13.4	17.4		.300	100	335.5	20.7	2.640	-0.322	-0.147	-0.935
PRAGUE	-12.6	15.6		.324	100	334.4	22.7	2.390	-0.348	-0.166	-0.923
RATHFARN	-6.3	17.4	W	.245	-100	347.8	22.1	2.457	-0.368	-0.079	-0.926
RENO	20.0	6.3		-0.019	-100	62.0	28.4	1.852	-0.223	.419	-0.880
RESOLUTE	6.2	11.1		.001	100	18.4	31.8	1.610	-0.501	.167	-0.850
RIVERVIE	-1.0	-17.8		-0.292	-100	182.0	22.2	2.454	.377	-0.013	-0.926
ROME	-15.7	17.4		.309	100	331.9	20.2	2.716	-0.305	-0.163	-0.938
SALT LAK	20.2	7.8		-0.018	-100	56.7	26.9	1.969	-0.249	.378	-0.892
SANTA CL	20.6	5.6	W	-0.014	1	65.2	28.4	1.852	-0.199	.431	-0.880
SAPPORO	-3.3	-0.5		.301	100	255.7	74.6	.275	.239	-0.934	-0.266
SCORESBY	-0.7	14.0		.177	100	358.3	27.3	1.935	-0.459	-0.014	-0.888
SENDAI	-3.7	-1.5		-0.359	-100	234.9	69.6	.371	.539	-0.767	-0.348
SITKA	13.4	7.0	W	-0.082	1	48.5	34.3	1.463	-0.374	.422	-0.826
STATE CO	18.8	14.9		.033	100	36.8	21.3	2.568	-0.291	.217	-0.932
STRASBOU	-11.7	16.9		.297	100	337.8	21.6	2.525	-0.341	-0.139	-0.930
STUTTGAR	-12.0	16.7		.302	100	337.0	21.8	2.502	-0.341	-0.145	-0.929
TAMANRAS	-19.0	19.0		.293	100	329.5	18.2	3.050	-0.268	-0.158	-0.950
TOKYO	-4.2	-2.1		-0.480	-100	230.0	65.7	.450	.586	-0.698	-0.411
TRIESTE	-14.4	16.5		.318	100	332.8	21.3	2.564	-0.323	-0.166	-0.932
TUCSON T	23.5	7.1		-0.006	-100	62.8	24.9	2.156	-0.192	.374	-0.907
UPPSALA	-9.6	13.9		.329	100	337.8	25.7	2.075	-0.402	-0.164	-0.901
VICTORIA	16.7	6.9		-0.044	-100	54.9	31.0	1.662	-0.296	.422	-0.857
ZURICH	-12.4	17.1		.299	100	336.8	21.3	2.562	-0.334	-0.143	-0.932


UNIT DISTANCE ON X-AXIS = 12.3

230

JULY 17, 1952 H = 16.09.52 34.5N 135.6E DEPTH 70 KM. M = 7

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION	DIR.	COSINES
AIKAWA	3.3	.8		.290	100	68.0	73.8	.290	-0.360	.890	-0.279
AKITA	3.8	1.2		.442	100	62.0	70.6	.351	-0.443	.833	-0.332
AOMORI	3.9	1.4		.524	100	58.2	69.2	.379	-0.492	.795	-0.355
CHICHIBU	3.6	.4		.086	100	79.3	73.2	.301	-0.178	.941	-0.289
CHOSI	4.2	.4		.092	100	80.8	70.8	.347	-0.151	.932	-0.329
FUKUI	2.7	.3		.053	100	77.8	77.2	.226	-0.206	.953	-0.221
FUKUOKO	.7	-0.1		-0.376	-100	104.5	86.7	.057	.249	.967	-0.057
FUNATSU	3.5	.3		.038	100	81.8	73.7	.292	-0.137	.950	-0.281
GIFU	2.9	.2	W	-0.011	100	82.2	76.5	.239	-0.132	.963	-0.233
HACHINOH	4.2	1.4		.490	100	60.2	68.5	.394	-0.462	.808	-0.367
HAMAMATS	3.2	.1		-0.051	-100	86.4	75.1	.265	-0.061	.965	-0.256
HIMEJI	2.2	.1		-0.119	-100	86.1	79.6	.183	-0.067	.981	-0.181
HIROSHIM	1.5	-0.0		-0.245	-100	91.2	83.2	.119	.021	.993	-0.119
IIDA	3.2	.3		.022	100	81.6	75.0	.267	-0.141	.956	-0.259
ISHINOMA	4.2	1.0		.319	100	68.7	69.7	.369	-0.341	.874	-0.347
IZUHARA	-0.0	.0		-0.426	-100	98.0	90.2	.003	.139	.990	.004
KAMEYAMA	2.8	.1		-0.071	-100	85.7	77.0	.231	-0.072	.972	-0.225
KANAZAWA	2.8	.5		.118	100	74.9	76.5	.239	-0.254	.939	-0.233
KOBE	2.4	.1		-0.121	-100	87.2	78.9	.196	-0.048	.980	-0.193
KOCHI	1.9	-0.1	W	-0.260	100	97.6	81.1	.156	.131	.979	-0.155
KOFU	3.5	.3		.049	100	80.9	73.9	.287	-0.152	.949	-0.277
KUMAGAYA	3.7	.4		.105	100	78.5	72.8	.310	-0.191	.936	-0.296
KUMAMOTO	.9	-0.2	W	-0.323	100	112.8	85.4	.081	.385	.919	-0.081
KYOTO	2.6	.1	W	-0.074	100	84.7	78.1	.211	-0.090	.974	-0.207
MAEBASI	3.6	.5		.124	100	77.1	73.2	.302	-0.214	.933	-0.289
MAIZURU	2.4	.2	W	-0.031	100	81.4	78.6	.202	-0.146	.969	-0.199
MATSUE	1.7	.2		-0.075	-100	80.4	82.1	.138	-0.165	.977	-0.137
MATSUSHI	3.3	.5		.128	100	76.0	74.3	.280	-0.233	.934	-0.270
MATSUYAM	1.6	-0.1		-0.274	-100	96.1	82.5	.132	.106	.986	-0.131
MISHIMA	3.6	.2	W	.012	-100	83.8	73.4	.297	-0.104	.953	-0.285
MITO	4.0	.5		.139	100	77.6	71.3	.338	-0.203	.925	-0.321
MIYAZAKI	1.3	-0.4	W	-0.243	100	118.6	83.3	.117	.475	.872	-0.117
MORI	3.8	1.7		.624	100	53.0	68.5	.393	-0.560	.743	-0.366
MORIOKA	4.1	1.2		.428	100	63.2	69.4	.376	-0.422	.835	-0.352
MUROTOMI	2.1	-0.2	W	-0.249	100	99.1	80.0	.176	.155	.973	-0.174
NAGANO	3.3	.5		.142	100	75.2	74.3	.280	-0.245	.931	-0.270
NAGOYA	3.0	.2	W	-0.029	100	83.7	76.3	.244	-0.107	.965	-0.238
NEMURO	5.6	2.4		.594	100	54.8	60.6	.564	-0.503	.711	-0.492
NIIGATA	3.5	.8		.275	100	69.3	72.8	.309	-0.338	.894	-0.296
OITA	1.2	-0.2		-0.332	-100	104.8	84.1	.102	.253	.962	-0.102
OIWAKE	3.4	.5		.112	100	77.2	73.9	.288	-0.212	.937	-0.277
ONAHOMA	4.2	.7		.191	100	75.1	70.6	.351	-0.243	.912	-0.332
OSAKA	2.5	.1		-0.118	-100	87.5	78.5	.203	-0.043	.979	-0.200
OSHIMA	3.8	.2		-0.005	-100	85.6	72.8	.309	-0.073	.952	-0.296
OWASE	2.8	-0.0		-0.140	-100	91.0	77.3	.226	.017	.975	-0.221
SAGA	.7	-0.1		-0.362	-100	109.3	86.6	.059	.330	.942	-0.060
SAPPORO	4.0	2.0		.667	100	50.7	66.9	.425	-0.583	.712	-0.392
SENDAI	4.1	.9		.305	100	69.1	70.3	.358	-0.335	.880	-0.337
SHIMIZU	1.7	-0.3	W	-0.290	100	105.4	81.6	.147	.262	.954	-0.146
SHIMONOS	.9	-0.1	W	-0.345	100	98.0	85.8	.073	.139	.988	-0.073
SHIONOMI	2.6	-0.2	W	-0.189	100	95.5	77.7	.217	.094	.973	-0.213
SHIRAKAW	6.0	.9		.249	100	75.7	63.0	.508	-0.221	.864	-0.454

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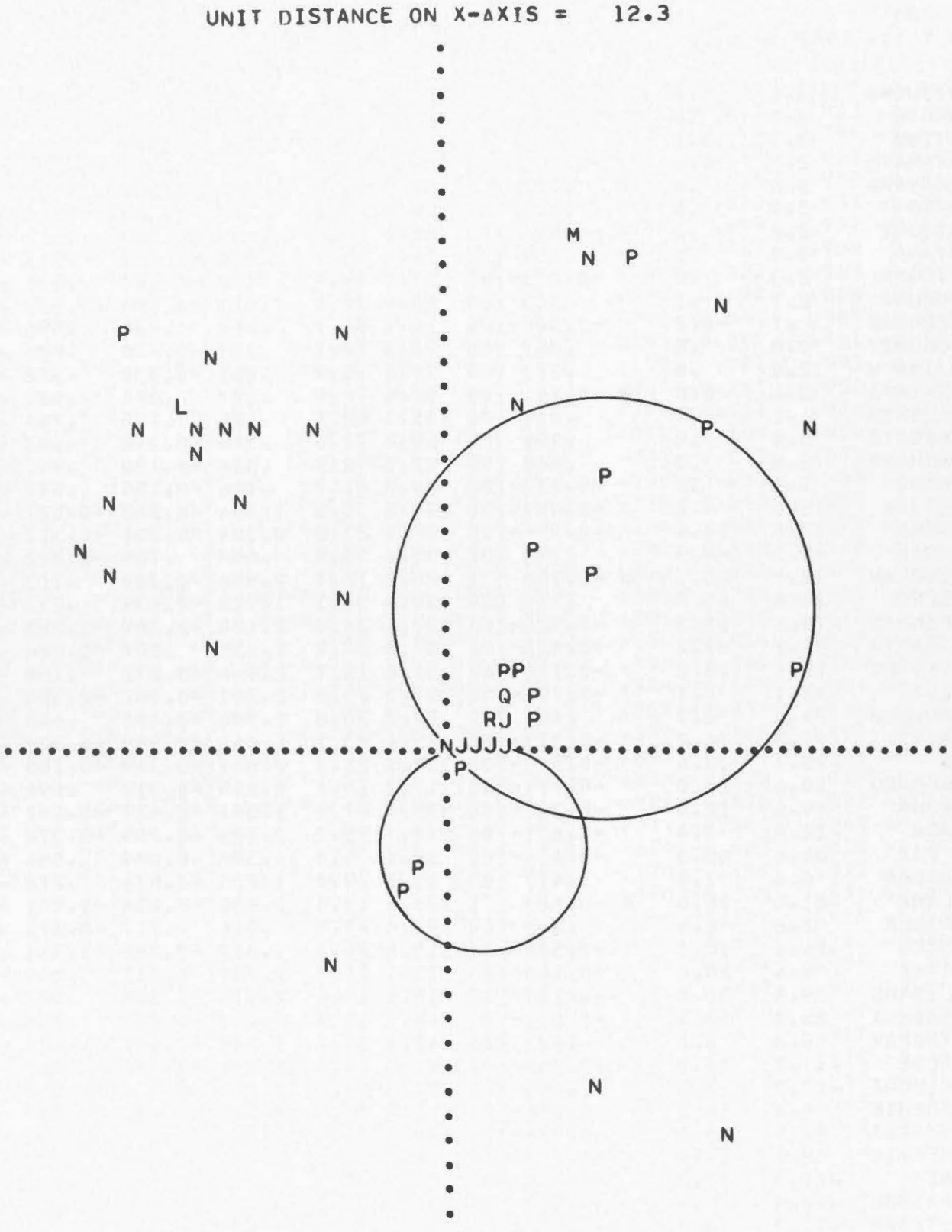
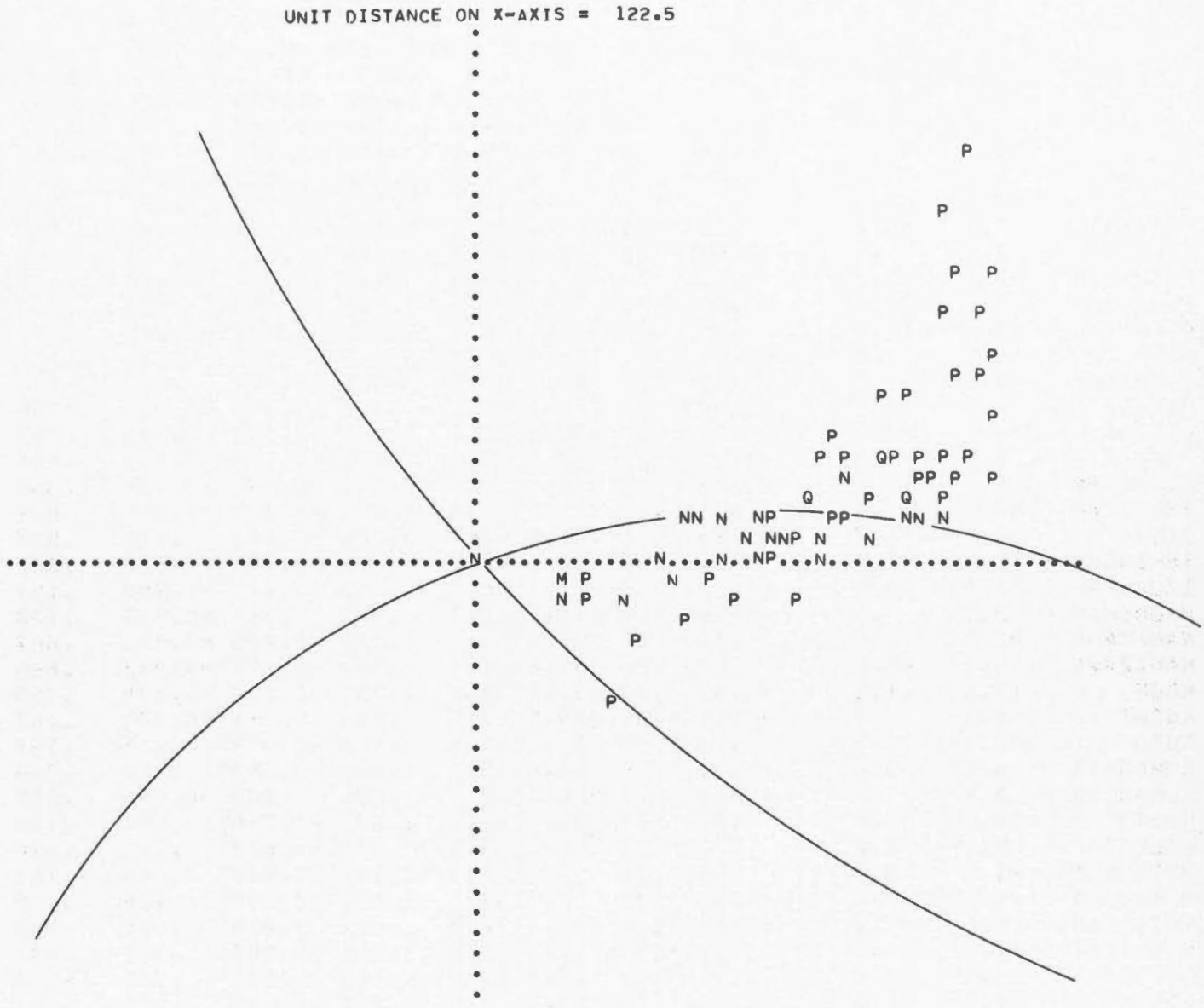
JULY 17, 1952 H = 16.09.52 34.5N 135.6E DEPTH 70 KM. M = 7

SHIZUOKA	3.5	.2		-0.013	-100	84.7	74.2	.283	-0.088	.958 -0.273
SUMOTO	2.3	.0		-0.160	-100	89.8	79.3	.189	-0.003	.982 -0.186
SUTTSU	3.7	3.1		.842	100	35.2	62.5	.521	-0.725	.511 -0.462
TAKAMATS	2.0	-0.0		-0.191	-100	90.6	80.5	.166	.010	.986 -0.164
TAKAYAMA	3.0	.4	W	.077	-100	77.7	75.8	.253	-0.207	.947 -0.246
TOKYO	3.9	.4		.072	100	80.9	72.3	.319	-0.150	.941 -0.305
TOTTORI	2.0	.2		-0.046	-100	80.6	80.4	.169	-0.162	.972 -0.168
TOYAMA	3.0	.5		.139	100	74.4	75.7	.254	-0.261	.933 -0.247
TOYOOKA	2.3	.2		-0.033	-100	80.7	79.4	.187	-0.158	.970 -0.184
TSURUGA	2.7	.3		.003	100	80.4	77.5	.221	-0.163	.963 -0.216
UNZENDAK	.7	-0.2		-0.308	-100	116.1	86.1	.067	.438	.896 -0.068
UTUNOMIY	3.8	.5		.147	100	76.6	72.1	.323	-0.220	.926 -0.308
WAJIMA W	2.9	.6		.221	100	70.1	75.9	.251	-0.330	.912 -0.244
WAKAYAMA	2.4	-0.0	W	-0.161	100	90.5	78.8	.197	.008	.981 -0.194
YAKUSHIM	1.1	-0.7		.016	100	135.1	82.6	.129	.703	.700 -0.129
YAMAGATA	3.9	.9		.304	100	68.8	71.0	.344	-0.342	.882 -0.326
YOKOHAMA	3.8	.3		.049	100	82.2	72.5	.316	-0.130	.945 -0.302
YONAGO	1.8	.2		-0.073	-100	80.8	81.7	.146	-0.159	.977 -0.145
ANDIJAN	-15.6	4.2		-0.887	-100	294.6	35.5	1.404	-0.242	-0.527 -0.815
ATHENS	-22.6	10.4		-0.716	-100	307.7	23.2	2.338	-0.241	-0.311 -0.919
BAGUIO	-2.3	-4.9		.194	100	195.6	55.0	.699	.789	-0.221 -0.573
CLEVELAN	12.7	20.1	W	-0.166	1	20.5	18.7	2.956	-0.300	.112 -0.947
COLLEGE	10.6	10.8		.176	100	30.3	30.1	1.722	-0.434	.253 -0.865
COPENHAG	-14.5	13.3		-0.520	-100	327.2	24.6	2.188	-0.349	-0.225 -0.910
DJAKARTA	-8.1	-9.2		-0.423	-100	207.5	34.9	1.435	.507	-0.264 -0.821
FAYETTEV	19.1	18.2		-0.126	-100	31.8	18.7	2.956	-0.272	.169 -0.947
HELWAN	-25.1	7.7		-0.798	-100	297.2	23.4	2.307	-0.182	-0.353 -0.918
HONOLULU	24.0	2.7		.007	100	79.2	26.6	1.994	-0.084	.440 -0.894
IRKUTSK	-7.3	6.2		-0.373	-100	325.4	43.7	1.044	-0.569	-0.392 -0.722
KEW	-15.7	15.6		-0.513	-100	329.3	21.7	2.507	-0.319	-0.189 -0.929
KIRKLAND	10.4	20.0		-0.171	-100	17.2	19.1	2.888	-0.312	.096 -0.945
KIRUNA	-9.4	12.5		-0.382	-100	335.9	27.9	1.891	-0.427	-0.191 -0.884
KSARA	-22.8	7.4		-0.801	-100	298.7	25.2	2.123	-0.205	-0.374 -0.905
LA PAZ	86.0	65.0		-0.424	-100	38.1	5.0	11.386	-0.069	.054 -0.996
MAGADAN	6.4	7.9		.417	100	25.7	39.6	1.209	-0.574	.276 -0.771
MALAGA	-21.9	16.6	W	-0.587	1	321.9	19.0	2.902	-0.256	-0.201 -0.946
MANILLA	-2.6	-6.5		.012	100	193.4	47.5	.916	.717	-0.170 -0.676
MOSCOW	-14.4	10.1		-0.589	-100	319.8	28.8	1.817	-0.368	-0.311 -0.876
OTTAWA	9.4	20.6		-0.188	-100	15.1	18.8	2.937	-0.311	.084 -0.947
PALISADE	9.5	20.8		-0.193	-100	15.1	18.6	2.970	-0.308	.083 -0.948
PASADENA	25.2	13.4		-0.071	-100	48.2	19.9	2.766	-0.227	.253 -0.940
PETROPAV	9.8	6.5		.423	100	41.6	39.7	1.205	-0.477	.424 -0.770
PRAGUE	-17.2	13.0		-0.582	-100	321.8	23.7	2.274	-0.316	-0.249 -0.915
RACIBORZ	-17.2	12.3		-0.596	-100	320.3	24.4	2.206	-0.318	-0.263 -0.911
RESOLUTE	4.6	14.3		-0.026	-100	10.8	26.5	2.004	-0.438	.084 -0.895
REYKJAVI	-6.9	16.6		-0.328	-100	346.1	23.0	2.355	-0.379	-0.094 -0.921
RIVERVIE	9.8	-14.4		-0.278	-100	158.0	25.0	2.140	.392	.159 -0.906
ROME	-21.3	13.2		-0.638	-100	316.2	21.7	2.518	-0.266	-0.255 -0.929
STRASBOU	-17.8	14.2		-0.568	-100	323.5	22.3	2.439	-0.305	-0.225 -0.925
STUTTGAR	-17.7	13.9		-0.572	-100	323.0	22.6	2.406	-0.306	-0.231 -0.923
UPPSALA	-12.9	12.7		-0.487	-100	329.1	26.1	2.042	-0.377	-0.226 -0.898
VICTORIA	18.0	12.8		.015	100	39.7	23.5	2.300	-0.307	.254 -0.917
WELLINGT	19.0	-16.3		-0.304	-100	145.3	20.1	2.731	.283	.196 -0.939
YUZHNO S	4.6	3.1		.770	100	41.0	60.3	.570	-0.655	.570 -0.496
ZURICH	-18.4	14.1		-0.581	-100	322.2	22.1	2.456	-0.298	-0.231 -0.926


UNIT DISTANCE ON X-AXIS = 12.3


UNIT DISTANCE ON X-AXIS = 122.5

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OCTOBER 26. 1952 H = 08.41.03 34.1N 137.8E DEPTH 285 KM. M = 6

STATION	X-COORD	Y-COORD	AMP	POL	AZM	EMG	EXT	STATION DIR.	COSINES	
AJIRO	-18.9	-8.1	-0.272	-100	54.0	152.4	1.908	-0.273	.376	.886
AKITA	-1.0	-1.7	.735	100	18.0	104.2	.252	-0.922	.300	.245
AOMORI	-0.6	-1.1	.728	100	19.1	99.1	.159	-0.933	.323	.158
ASOSAN	3.0	.4	-0.625	-100	257.9	104.0	.248	.203	-0.949	.242
CHICHIBU	-7.5	-7.3	.106	100	31.4	139.7	1.171	-0.552	.337	.762
FUKUI	7.5	-6.2	.502	100	324.4	136.6	1.057	-0.559	-0.400	.727
FUKUOKO	2.6	.1	-0.690	-100	265.6	102.2	.216	.075	-0.975	.211
FUKUSHIM	-2.8	-2.7	.327	100	31.2	113.6	.436	-0.784	.474	.400
FUNATSU	-11.3	-10.4	.005	100	32.9	149.6	1.704	-0.425	.275	.863
GIFU	13.1	-10.3	.331	100	323.0	150.6	1.777	-0.392	-0.295	.872
HACHIJO	-11.5	4.8	-0.540	-100	125.0	139.0	1.149	.377	.537	.755
HACHINOH	-0.8	-1.1	.597	100	24.4	99.2	.162	-0.899	.407	.160
HAMADA	4.1	-0.4	-0.494	-100	279.0	109.0	.343	-0.149	-0.934	.325
HIKONA	14.8	-6.8	.266	100	308.0	146.8	1.530	-0.337	-0.431	.837
HIMEJI	9.8	-1.3	-0.104	-100	283.0	129.4	.820	-0.174	-0.753	.634
HIROSHIM	4.7	-0.1	-0.520	-100	272.6	110.9	.380	-0.042	-0.934	.356
IBUKIYAM	13.6	-7.7	.311	100	313.7	147.0	1.539	-0.377	-0.394	.839
IIDA	-0.7	-14.7	.263	100	1.6	153.7	2.025	-0.443	.012	.897
ISHINOMA	-2.1	-1.9	.301	100	33.2	107.6	.317	-0.797	.522	.302
IZUHARA	1.9	-0.0	-0.736	-100	271.7	98.7	.152	-0.029	-0.988	.151
KAGOSHIM	2.1	.5	-0.545	-100	248.1	100.3	.181	.367	-0.913	.178
KAMEYAMA	22.0	-6.8	.163	100	297.6	153.7	2.025	-0.205	-0.392	.897
KANAZAWA	4.1	-6.0	.683	100	337.8	131.7	.892	-0.691	-0.282	.666
KOBE	12.6	-1.5	-0.033	-100	281.2	136.5	1.051	-0.134	-0.676	.725
KOCHI	6.3	.7	-0.415	-100	259.5	117.5	.520	.161	-0.872	.462
KOFU	-8.2	-10.7	.133	100	24.3	148.4	1.622	-0.478	.216	.851
KUMAGAYA	-6.9	-6.0	.081	100	34.4	135.1	1.002	-0.583	.398	.708
KUMAMOTO	2.7	.3	-0.646	-100	258.0	102.7	.224	.202	-0.954	.219
KYOTO	14.6	-3.8	.136	100	293.8	142.6	1.307	-0.246	-0.556	.794
MAEBASI	-5.1	-6.2	.281	100	25.7	133.6	.953	-0.652	.314	.690
MATSUMOT	-1.0	-8.7	.504	100	4.0	140.1	1.196	-0.640	.044	.767
MATSUSHI	-1.8	-7.2	.547	100	8.5	135.1	1.002	-0.698	.104	.708
MATSUYAM	5.1	.3	-0.507	-100	265.3	112.8	.421	.076	-0.918	.388
MISHIMA	-17.9	-9.7	-0.190	-100	47.4	153.2	1.981	-0.305	.331	.893
MITO	-5.8	-3.4	-0.145	-100	45.3	123.8	.669	-0.584	.591	.556
MIYAKO	-1.3	-1.3	.402	100	30.8	101.7	.207	-0.841	.502	.203
MIYAZAKI	2.8	.7	-0.501	-100	247.9	103.7	.243	.365	-0.900	.236
MORIOKA	-1.2	-1.5	.554	100	25.5	102.9	.228	-0.880	.419	.223
MUROTOMI	7.3	1.4	-0.301	-100	252.1	122.1	.627	.261	-0.806	.531
NAGANO	-1.5	-6.6	.597	100	7.7	132.7	.922	-0.728	.098	.678
NAGASAKI	2.0	.2	-0.698	-100	259.0	99.7	.170	.187	-0.968	.168
NAGOYA	16.4	-12.6	.261	100	322.4	155.6	2.199	-0.328	-0.253	.910
NIIGATA	-1.6	-3.4	.705	100	15.2	116.3	.493	-0.865	.236	.443
OITA	3.5	.4	-0.603	-100	260.2	106.4	.294	.163	-0.945	.283
OIWAKE	-3.8	-7.6	.397	100	16.5	137.4	1.088	-0.649	.192	.736
OKAYAMA	7.4	-0.6	-0.279	-100	278.2	121.6	.613	-0.122	-0.843	.523
OMAEZAKI	0	0	-0.085	-100	47.3	90.0	0	-0.678	.735	-0.000
ONAHOMA	-4.2	-2.7	-0.040	-100	42.6	117.1	.510	-0.656	.602	.455
OSAKA	14.4	-1.6	.002	100	280.9	140.1	1.196	-0.121	-0.630	.767
OSHIMA	-20.5	-4.6	-0.449	-100	69.3	150.8	1.792	-0.172	.456	.873
OWASE	22.6	2.0	.005	100	261.3	151.8	1.864	.071	-0.467	.881
SAGA	2.5	.2	-0.691	-100	262.7	101.7	.206	.124	-0.971	.202
SAIGO	4.6	-1.5	-0.051	-100	298.9	113.3	.430	-0.444	-0.804	.395

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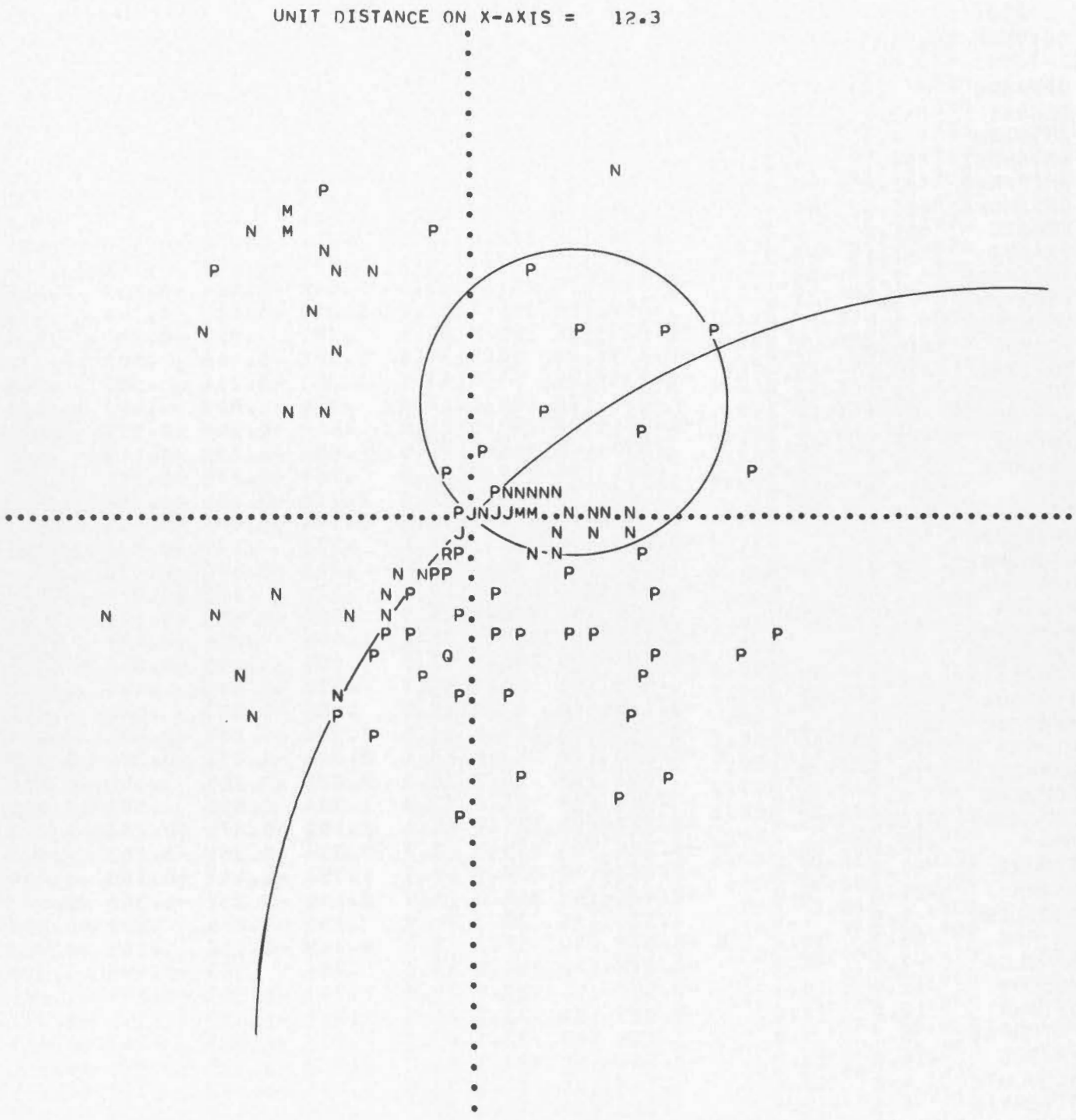
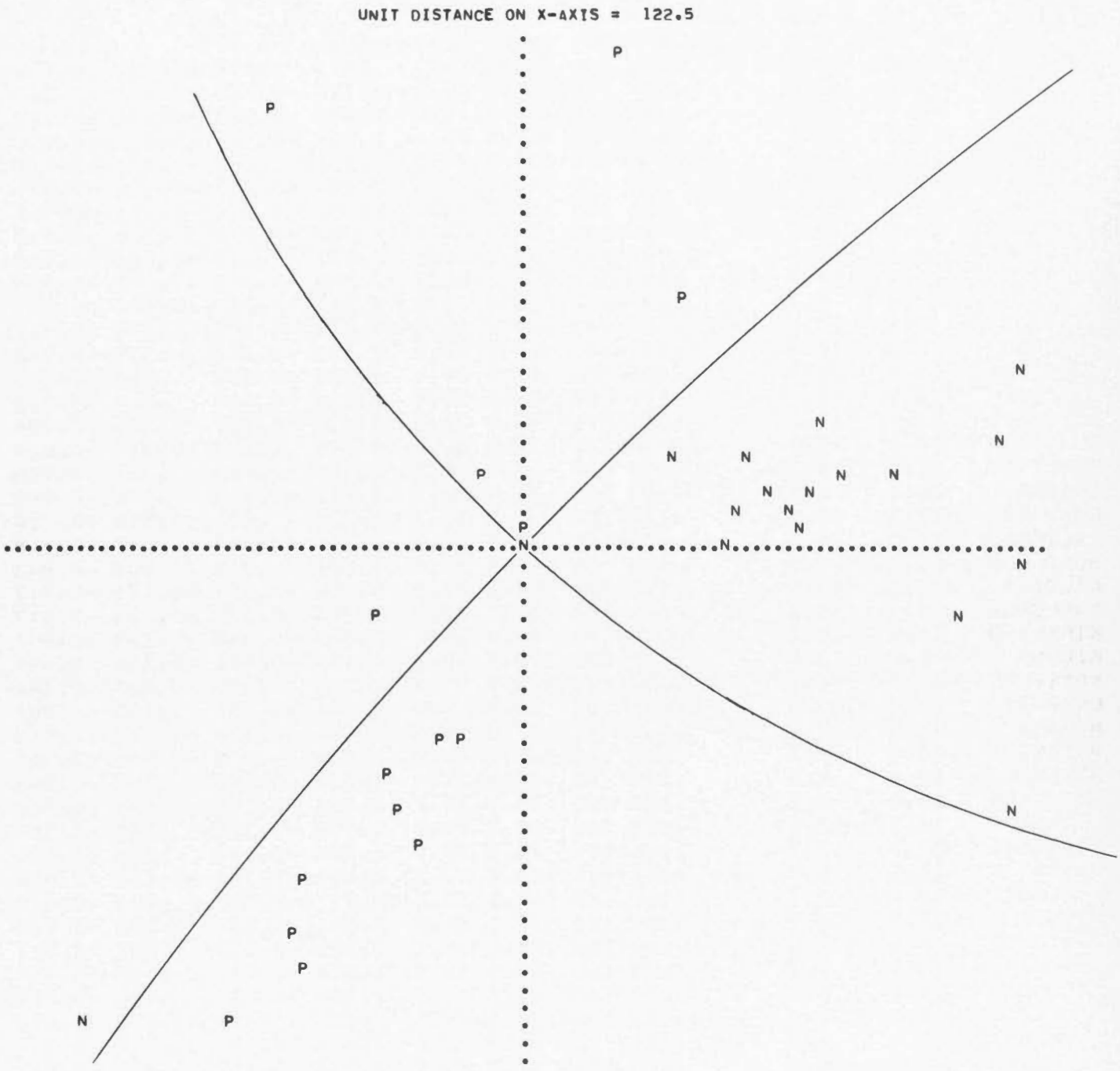
OCTOBER 26, 1952 H = 08.41.03 34.1N 137.8E DEPTH 285 KM. M = 6

SAPPORO	.0	.1		.777	100	16.4	89.3	.011	-0.959	.283	-0.012
SENDAI	-2.2	-2.2		.352	100	31.3	109.3	.350	-0.807	.490	.331
SHIMIZU	4.7	1.0		-0.435	-100	250.9	111.9	.402	.303	-0.877	.373
SHIONOMI	14.1	4.0	W	-0.048	100	244.3	142.0	1.279	.267	-0.555	.788
SHIRAKAW	-1.4	-0.4	W	-0.636	100	65.1	97.1	.124	-0.418	.900	.123
SHIZUOKA	-11.5	-9.4		-0.027	-100	35.8	148.1	1.604	-0.429	.309	.849
SUMOTO	11.2	-0.3		-0.150	-100	272.4	132.5	.916	-0.031	-0.736	.676
TAKADA	-1.1	-5.3		.704	100	7.3	126.4	.737	-0.798	.102	.594
TAKAMATS	7.9	-0.1		-0.307	-100	271.7	123.0	.648	-0.024	-0.839	.544
TAKAYAMA	3.5	-8.8		.560	100	346.7	141.2	1.242	-0.610	-0.144	.779
TOKUSHIM	9.7	.4		-0.235	-100	266.2	128.6	.797	.051	-0.780	.624
TOKYO	-10.0	-5.2		-0.237	-100	48.5	137.4	1.088	-0.448	.507	.736
TOMIZAKI	-15.6	-3.6		-0.535	-100	68.8	143.7	1.363	-0.214	.551	.806
TORI SHI	-2.4	2.5		.230	100	150.2	111.6	.396	.807	.462	.369
TOTTORI	7.0	-1.8		-0.051	-100	293.5	121.8	.619	-0.340	-0.779	.527
TOYAMA	2.1	-6.3		.730	100	348.7	131.5	.885	-0.734	-0.147	.663
TOYOOKA	8.3	-2.6		.091	100	297.8	127.5	.767	-0.370	-0.701	.609
TSU	24.7	-5.9		.128	100	291.9	155.3	2.170	-0.156	-0.388	.908
TSURUGA	10.5	-6.1		.363	100	314.3	140.1	1.196	-0.448	-0.459	.767
UNZENDAK	2.3	.3		-0.673	-100	258.3	101.0	.194	.199	-0.961	.191
UTUNOMIY	-5.3	-4.3		.098	100	36.1	126.6	.741	-0.649	.473	.596
UWAJIMA	4.5	.6		-0.523	-100	258.0	110.5	.373	.195	-0.916	.350
WAJIMA W	1.8	-4.5		.854	100	346.9	122.3	.632	-0.823	-0.191	.534
WAKAYAMA	12.9	.1		-0.108	-100	269.5	136.6	1.057	.006	-0.687	.727
YAKUSHIM	1.4	.5		-0.404	-100	240.3	97.7	.135	.491	-0.860	.135
YAMAGATA	-2.1	-2.4		.475	100	26.7	110.7	.377	-0.835	.421	.354
TSUKUBA	-6.7	-4.1		-0.115	-100	43.8	128.2	.786	-0.567	.544	.618
ANDIJAN	-14.6	4.5		-0.595	-100	297.6	36.5	1.349	-0.276	-0.528	-0.803
ATHENS	-20.7	11.7	W	-0.350	100	313.6	23.1	2.340	-0.271	-0.284	-0.920
BERKELEY	19.8	8.8		.003	100	53.2	26.3	2.021	-0.265	.355	-0.896
COLLEGE	8.7	8.6		.095	100	31.0	35.8	1.386	-0.501	.301	-0.811
COPENHAG	-12.1	13.4		-0.227	-100	331.9	25.4	2.102	-0.379	-0.202	-0.903
KEW	-12.2	15.7	W	-0.209	100	335.3	22.7	2.385	-0.351	-0.162	-0.922
KIRUNA	-7.8	11.8		-0.153	-100	338.7	29.7	1.754	-0.461	-0.180	-0.869
KSARA	-21.8	8.8		-0.424	-100	304.3	24.9	2.149	-0.237	-0.348	-0.907
KURILISK	1.5	1.4		.370	100	32.3	76.9	.232	-0.824	.520	-0.226
LA PAZ	85.7	30.2	W	-0.048	100	59.2	7.0	8.147	-0.062	.105	-0.993
MANILLA	-7.4	-4.9		-0.078	-100	221.9	48.0	.901	.553	-0.496	-0.670
MOSCOW	-12.9	10.1		-0.300	-100	323.0	29.8	1.747	-0.397	-0.299	-0.868
OTTAWA	12.2	17.0		-0.025	-100	23.0	21.5	2.543	-0.337	.143	-0.931
PETROPAV	5.7	5.4		.199	100	32.1	48.7	.878	-0.637	.399	-0.660
PRAGUE	-14.8	13.5		-0.264	-100	327.1	24.2	2.220	-0.345	-0.223	-0.912
RESOLUTE	4.8	12.0		.048	100	13.4	30.5	1.700	-0.493	.117	-0.862
RIVERVIE	4.5	-12.6		.375	100	168.1	29.3	1.778	.479	.101	-0.872
ROME	-18.2	14.0		-0.290	-100	322.5	22.3	2.440	-0.301	-0.231	-0.925
SCORESBY	-2.9	14.0	W	-0.070	100	353.1	27.2	1.945	-0.454	-0.055	-0.889
STRASBOU	-14.7	14.7		-0.247	-100	329.4	23.0	2.360	-0.336	-0.199	-0.921
STUTTGAR	-14.8	14.5		-0.251	-100	328.8	23.2	2.336	-0.336	-0.204	-0.919
SVERDLOV	-11.5	7.9		-0.339	-100	319.3	34.8	1.439	-0.432	-0.372	-0.821
TANANARI	-30.4	-5.0		-0.370	-100	254.4	21.2	2.581	.097	-0.348	-0.933
UGLEGORS	.9	2.8		.656	100	10.8	68.7	.390	-0.915	.175	-0.364
UPPSALA	-10.7	12.5		-0.214	-100	333.0	27.4	1.932	-0.410	-0.209	-0.888
VICTORIA	15.6	9.5		.020	100	44.2	28.8	1.821	-0.345	.336	-0.877
VLADIVOS	-0.4	.4		.607	100	334.2	86.2	.066	-0.898	-0.435	-0.067
WELLINGT	12.5	-14.4		.279	100	152.8	24.1	2.231	.364	.187	-0.913
ZURICH	-15.4	14.6		-0.255	-100	328.2	22.8	2.378	-0.329	-0.204	-0.922


UNIT DISTANCE ON X-AXIS = 12.3


UNIT DISTANCE ON X-AXIS = 122.5

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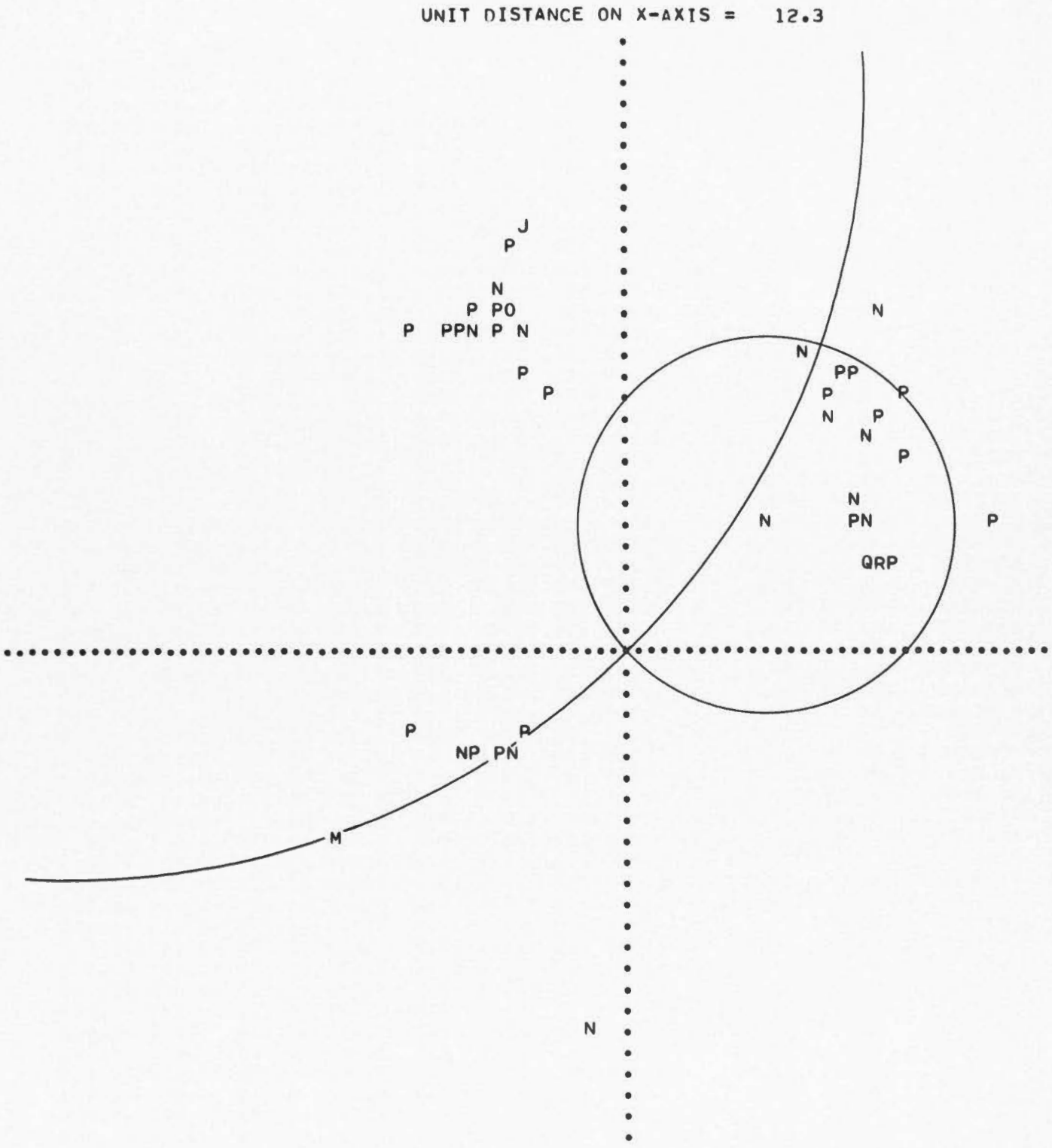
NOVEMBER 29, 1952 H = 08.22.34 53N 160E DEPTH NORMAL M = 7

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ALICANTE	-8.9	19.4		.047	100	344.7	19.8	2.775	-0.327	-0.089	-0.941
ALMERIA	-8.4	19.9		.044	100	346.0	19.4	2.833	-0.323	-0.081	-0.943
ATHENS	-17.2	15.4		.111	100	326.5	21.4	2.551	-0.304	-0.201	-0.931
BANDONG	-22.5	-9.4		-0.016	-100	234.8	23.9	2.252	.234	-0.331	-0.914
BASEL	-9.3	16.2		.055	100	341.2	23.0	2.359	-0.369	-0.126	-0.921
BELGRADE	-13.6	14.9		.094	100	331.7	23.2	2.338	-0.346	-0.187	-0.919
BERMUDA	20.0	16.0	W	.004	-100	36.6	20.0	2.742	-0.275	.204	-0.940
BRISBANE	-3.3	-18.0		-0.332	-100	186.3	21.9	2.491	.370	-0.041	-0.928
BUDAPEST	-12.3	14.7	W	.086	-100	333.7	23.8	2.262	-0.362	-0.179	-0.915
BUTTE	17.6	6.1		.097	1	59.6	31.0	1.664	-0.261	.444	-0.857
CARTUJA	-7.8	20.0	W	.041	-1	347.0	19.5	2.828	-0.325	-0.075	-0.943
CHICAGO	19.0	10.2	W	.031	-100	47.7	25.5	2.092	-0.290	.319	-0.902
CINCINNA	19.8	10.8		.026	100	47.3	24.4	2.200	-0.280	.304	-0.910
COLLEGE	10.5	6.2	W	.048	-100	45.0	39.4	1.216	-0.449	.449	-0.773
COLUMBIA	21.9	11.7		.021	100	47.9	22.5	2.412	-0.257	.284	-0.924
DJAKARTA	-22.8	-9.1		-0.006	-100	235.9	24.0	2.245	.228	-0.337	-0.914
FAYETTEV	21.5	8.7		.046	100	55.6	25.2	2.129	-0.240	.351	-0.905
FRESNO	20.1	3.8		.117	100	72.4	30.1	1.722	-0.152	.479	-0.865
FUKUOKO	-12.8	-4.5	W	.137	-100	239.2	39.3	1.220	.324	-0.545	-0.774
HALIFAX	14.4	14.4		-0.005	-100	30.5	23.4	2.309	-0.342	.202	-0.918
HONG KON	-16.9	-4.3		.188	100	246.7	33.6	1.506	.219	-0.508	-0.833
KALOCSA	-12.6	14.9		.088	100	333.3	23.5	2.294	-0.357	-0.179	-0.917
KARLSRUH	-9.1	15.8	W	.054	-100	341.1	23.5	2.299	-0.377	-0.129	-0.917
KIRKLAND	15.7	11.4	W	.010	-100	39.0	26.2	2.033	-0.343	.278	-0.897
KIRUNA	-6.2	11.9		.021	100	342.7	30.3	1.713	-0.481	-0.150	-0.864
KOTI-KOC	-11.8	-4.9		.064	100	234.7	40.2	1.182	.373	-0.527	-0.764
LA PAZ	82.8	23.3		-0.040	-100	64.6	7.6	7.484	-0.057	.120	-0.991
MALAGA	-7.5	20.1	W	.040	-1	347.5	19.4	2.844	-0.324	-0.072	-0.943
MATSUSHI	-10.0	-4.7		.020	100	231.5	43.9	1.038	.432	-0.543	-0.720
MINERAL	18.9	4.0		.130	100	70.3	31.4	1.636	-0.176	.491	-0.853
MOUNT HA	19.8	3.5		.124	100	73.1	30.7	1.685	-0.148	.488	-0.860
OTTAWA	16.2	12.3		.007	100	38.0	24.9	2.150	-0.332	.260	-0.907
PASADENA	21.1	3.7		.106	100	73.5	29.1	1.796	-0.139	.466	-0.874
PAVIA	-10.5	16.5	W	.062	-100	339.4	22.3	2.436	-0.355	-0.133	-0.925
PHILADEL	18.4	12.7		.011	100	40.6	23.4	2.311	-0.301	.258	-0.918
PRAGUE	-10.3	14.9		.068	100	337.6	24.2	2.220	-0.380	-0.156	-0.912
RAPID CI	18.5	7.4	W	.068	-100	55.8	28.7	1.824	-0.270	.397	-0.877
RENO	19.3	4.2		.123	100	69.9	30.9	1.674	-0.176	.482	-0.859
SALT LAK	19.4	5.7	W	.097	-100	63.8	29.5	1.765	-0.218	.442	-0.870
SENDAI	-8.0	-4.0	W	-0.003	100	229.5	49.5	.855	.493	-0.578	-0.650
TACUBAYA	29.0	6.3		.031	1	69.8	21.6	2.519	-0.127	.346	-0.930
TINEMAHA	20.1	4.1		.113	100	71.1	29.9	1.738	-0.162	.471	-0.867
TOKYO	-9.4	-5.1		-0.063	-100	227.5	43.9	1.038	.468	-0.512	-0.720
TRIESTE	-11.6	15.8		.074	100	336.5	22.8	2.377	-0.355	-0.155	-0.922
UPPSALA	-8.1	13.1		.050	100	339.8	27.4	1.927	-0.432	-0.159	-0.888
WESTON	16.8	13.3		.005	100	36.7	23.6	2.288	-0.321	.239	-0.916
WITTEVEE	-7.7	15.2	W	.043	-100	343.4	24.6	2.187	-0.398	-0.119	-0.910
ZURICH	-9.6	16.1		.058	100	340.5	23.0	2.357	-0.368	-0.130	-0.921


UNIT DISTANCE ON X-AXIS = 12.3
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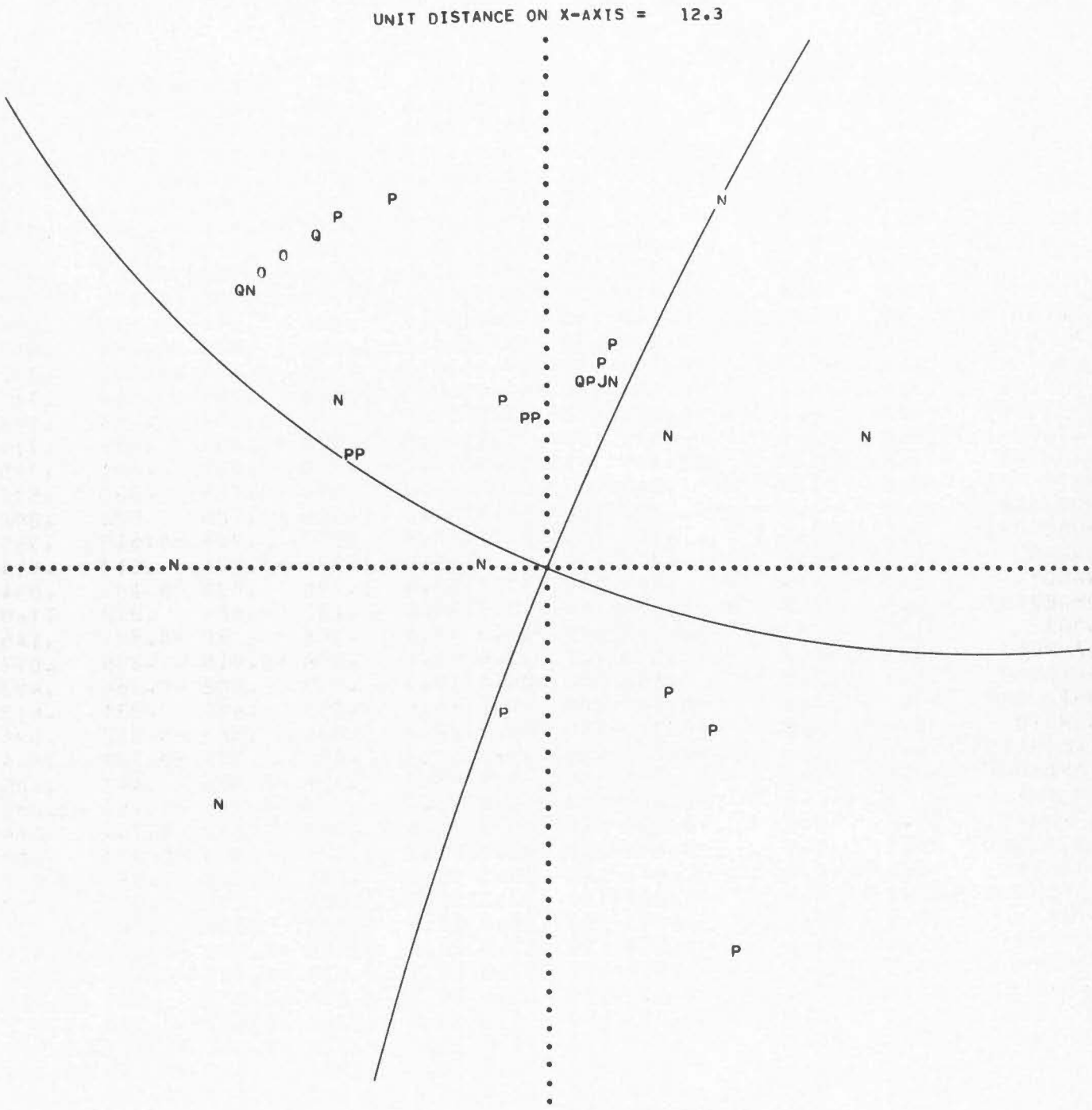
JUNE 25, 1953 H = 10.44.57 8.5S 123.5E DEPTH NORMAL M = 6.8

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
BAGUIO	-1.6	8.1		.357	100	353.4	41.7	1.121	-0.661	-0.077	-0.747
DJAKARTA	-6.4	.5		-0.450	-100	277.0	62.3	.524	-0.108	-0.879	-0.465
FUKUOKO	2.6	10.4		.148	100	8.5	34.7	1.444	-0.563	.084	-0.822
HONG KON	-4.5	8.9		.339	100	343.5	37.8	1.287	-0.588	-0.174	-0.790
HYDERABA	-17.0	5.9		.022	100	300.2	31.9	1.609	-0.266	-0.456	-0.849
KAMEYAMA	4.7	10.4		.084	100	15.0	33.9	1.487	-0.539	.145	-0.830
MANILLA	-1.4	7.7		.376	100	353.8	43.3	1.062	-0.681	-0.075	-0.728
MATSUSHI	5.2	10.6		.070	100	16.3	33.4	1.516	-0.528	.154	-0.835
POONA	-18.4	6.0		.006	100	299.1	30.2	1.715	-0.245	-0.440	-0.864
QUETTA	-19.5	9.0	W	.057	-100	308.0	26.4	2.016	-0.274	-0.350	-0.896
SAGA	2.6	10.3		.149	100	8.5	34.8	1.440	-0.564	.084	-0.821
SAPPORO	5.7	11.6		.063	100	16.1	31.0	1.664	-0.495	.143	-0.857
SHIONOMI	4.6	10.2	W	.086	-100	15.0	34.4	1.458	-0.546	.146	-0.825
SHIZUOKA	5.4	10.3		.062	100	17.2	33.8	1.492	-0.532	.165	-0.831
SUMOTO	4.2	10.3		.099	100	13.6	34.3	1.468	-0.547	.132	-0.827
TOKYO	5.8	10.4	W	.051	-100	18.3	33.5	1.510	-0.524	.173	-0.834
GUAM	10.7	6.5		-0.231	-100	44.1	38.5	1.257	-0.447	.433	-0.783
HONOLULU	29.2	7.3		-0.094	-100	67.2	21.1	2.588	-0.140	.332	-0.933
PERTH	-3.7	-7.7		.089	1	195.9	42.1	1.106	.645	-0.184	-0.742
RIVERVIE	11.0	-7.4		.326	100	138.7	36.4	1.357	.445	.391	-0.805
WELLINGT	14.9	-8.7		.223	100	134.7	30.3	1.712	.354	.359	-0.864
HERMANUS	-29.5	-12.8		-0.119	-100	233.8	18.5	2.989	.187	-0.256	-0.948
HERMANUS	-65.5	-28.4		-0.033	-100	233.8	8.2	6.630	.084	-0.115	-0.990
NAIROBI	-33.6	-0.3		-0.127	-100	269.2	20.0	2.743	.005	-0.342	-0.940
ALMERIA	-70.7	33.6		-0.007	-100	308.8	7.7	7.402	-0.084	-0.104	-0.991
DE BILT	-52.6	42.2	W	.002	-100	323.6	7.9	7.233	-0.110	-0.081	-0.991
RATHFARN	-47.7	45.1		.004	100	327.9	7.8	7.336	-0.114	-0.072	-0.991
FLORENCE	-27.0	15.3	W	.033	-100	313.7	18.2	3.046	-0.216	-0.225	-0.950
FLORENCE	-63.8	36.1		-0.003	-100	313.7	7.9	7.203	-0.095	-0.099	-0.991
GRANADA	404.8	166.7		-0.000	-100	55.2	1.4	40.260	-0.014	.020	-1.000
KARLSRUH	-57.2	39.9		.000	100	319.7	7.9	7.216	-0.105	-0.089	-0.991
KIRUNA	-14.1	20.4		.076	100	337.7	18.2	3.036	-0.289	-0.118	-0.950
COPENHAG	-20.8	18.3		.063	100	326.0	18.2	3.041	-0.259	-0.174	-0.950
MALAGA	-70.6	34.0		-0.007	-1	309.2	7.7	7.433	-0.084	-0.103	-0.991
MOSCOW	-20.5	17.7		.066	100	325.5	18.7	2.959	-0.264	-0.181	-0.947
PAVIA	-26.1	15.8	W	.038	-100	315.5	18.2	3.046	-0.223	-0.219	-0.950
PRAGUE	-23.9	16.9	W	.050	-100	320.0	18.2	3.041	-0.239	-0.201	-0.950
ROME	-27.9	14.7		.027	100	311.6	18.2	3.046	-0.207	-0.233	-0.950
STRASBOU	-24.3	16.8		.048	100	319.4	18.2	3.046	-0.237	-0.203	-0.950
TORTOSA	-27.5	14.9		.030	100	312.5	18.2	3.046	-0.211	-0.230	-0.950
TRIESTE	-26.2	15.7		.038	100	315.4	18.2	3.046	-0.222	-0.219	-0.950
TRIESTE	-61.7	37.0		-0.002	-100	315.4	7.9	7.172	-0.098	-0.097	-0.990
UPPSALA	-18.7	19.0		.069	100	329.8	18.2	3.039	-0.270	-0.157	-0.950
VIENNA	-65.3	42.8		-0.001	-100	317.9	8.0	7.950	-0.103	-0.093	-0.990
BUTTE	59.5	39.8		-0.004	-100	41.6	7.8	7.327	-0.101	.090	-0.991
CINCINNA	56.1	47.5	W	-0.001	100	35.0	7.1	7.993	-0.102	.071	-0.992
CLEVELAN	48.8	50.2		-0.000	-1	29.9	7.1	7.986	-0.108	.062	-0.992
COLLEGE	15.8	19.6		-0.001	-100	25.5	18.5	2.992	-0.286	.136	-0.948
HALIFAX	15.0	59.0		.005	100	8.5	6.9	8.233	-0.119	.018	-0.993
JACKSONV	73.5	46.1	W	-0.002	100	43.3	6.5	8.743	-0.083	.078	-0.994
KIRKLAND	36.3	51.8		.002	100	22.5	7.4	7.730	-0.118	.049	-0.992
MINERAL	67.5	34.1		-0.006	-100	49.6	7.9	7.241	-0.089	.104	-0.991
MORGANTO	50.5	51.0		-0.000	-100	30.4	7.0	8.154	-0.105	.062	-0.993
OTTAWA	34.8	53.7	W	.002	-100	21.0	7.2	7.936	-0.117	.045	-0.992
RENO	68.3	33.7		-0.006	-100	50.2	7.8	7.263	-0.087	.105	-0.991
TUCSON	75.9	29.6	W	-0.006	100	56.7	7.7	7.420	-0.073	.112	-0.991
WASHINGT	48.2	53.3		.000	100	28.2	6.8	8.341	-0.105	.056	-0.993
WESTON	32.5	56.7		.003	100	18.7	6.9	8.263	-0.114	.039	-0.993
LA PAZ	50.2	-64.0		.016	100	155.1	5.9	9.738	.093	.043	-0.995
LA PAZ	16.7	-21.3		.105	100	155.1	17.1	3.242	.267	.124	-0.956
ROOSEVEL	151.8	103.0		.000	100	41.1	3.0	18.850	-0.040	.035	-0.999
SAN JUAN	152.7	98.3	W	.000	-1	42.6	3.1	18.416	-0.040	.037	-0.999
TACUBAYA	90.2	18.7		-0.004	-1	70.7	7.3	7.804	-0.042	.120	-0.992


UNIT DISTANCE ON X-AXIS = 12.3
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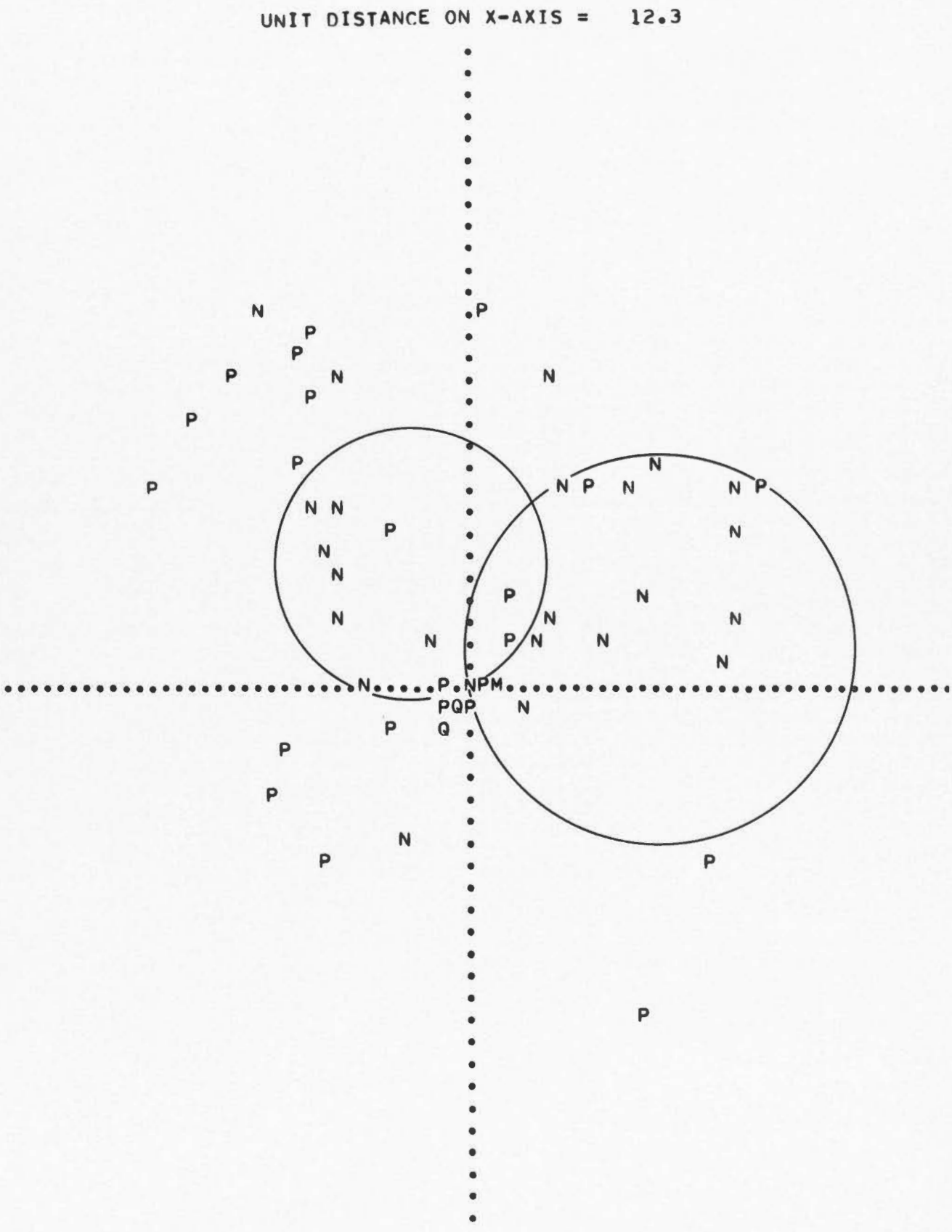
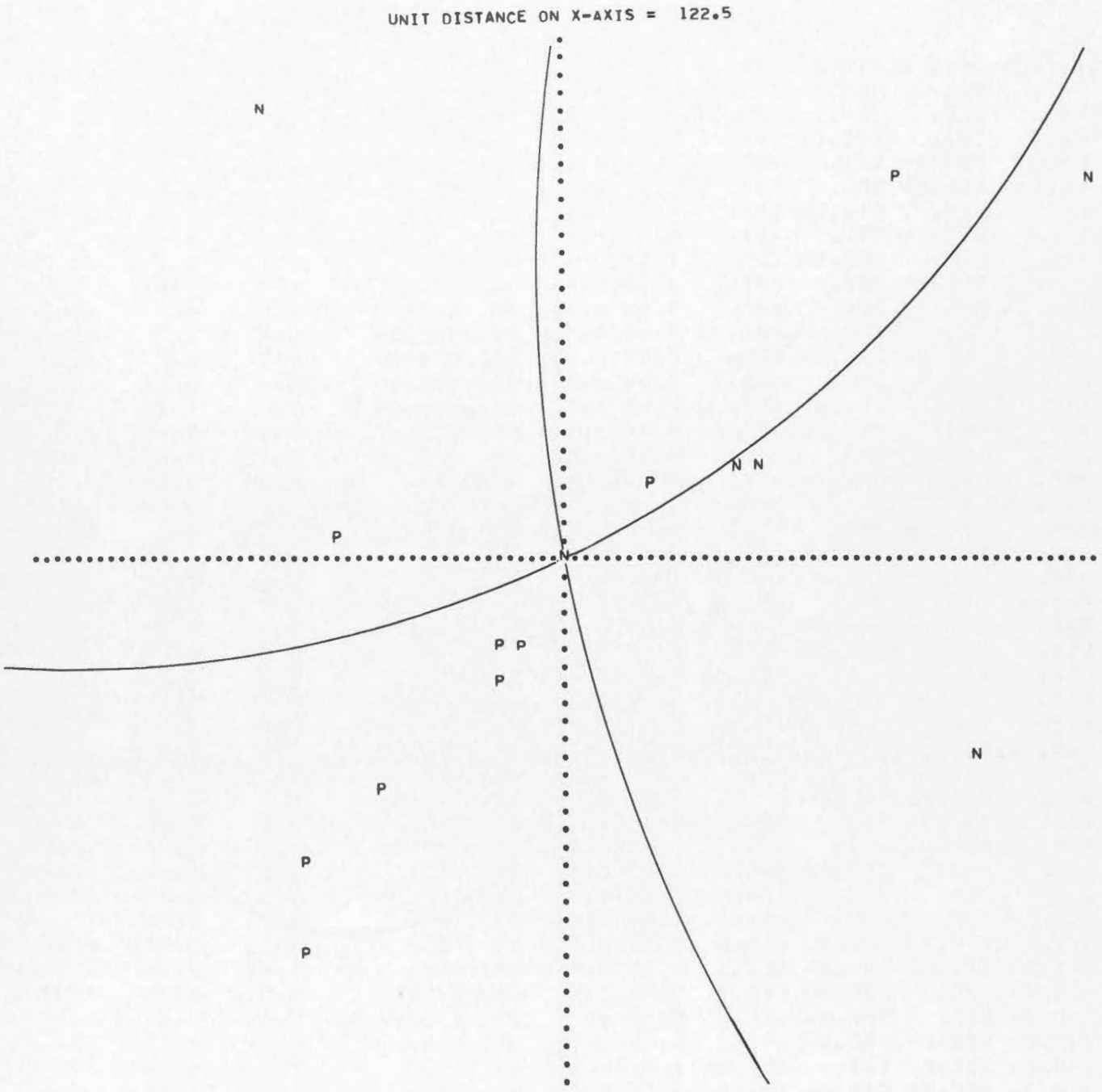
310

JUNE 28, 1953 H = 14.43.06 36.1N 137.3E DEPTH 250 KM.

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR.	COSINES	
AIKAWA	-5.3	-7.2	W	.964	-100	23.4	137.5	1.089	-0.620	.269	.737
AJIRO	-10.0	4.9		-0.241	-100	129.5	136.6	1.058	.437	.530	.727
AKITA	-2.4	-2.2		.890	100	31.9	110.0	.364	-0.797	.497	.343
FUKUI	20.2	3.2		-0.132	-100	255.1	149.6	1.704	.130	-0.489	.863
FUKUOKO	1.8	.5		-0.168	-100	246.6	99.3	.163	.392	-0.906	.161
FUKUSHIM	-6.1	-2.2		.624	100	59.0	120.2	.582	-0.445	.741	.503
HACHIJO	-2.8	2.5		-0.574	-100	146.6	112.3	.408	.772	.510	.379
HACHINOH	-1.7	-1.3		.773	100	36.8	103.1	.232	-0.780	.583	.226
HIKONA	13.8	9.6		-0.011	-100	220.3	150.1	1.740	.380	-0.322	.867
KAGOSHIM	.8	.4		.242	100	232.0	94.9	.086	.614	-0.785	.086
KAMEYAMA	7.4	9.2		-0.000	-100	205.6	144.6	1.405	.523	-0.250	.815
KANAZAWA	3.8	-1.1		-0.903	-100	297.0	109.3	.349	-0.428	-0.841	.330
MAIZURU	13.4	4.1		-0.188	-100	242.9	140.8	1.226	.288	-0.562	.775
MATSUMOT	-2.1	.1	W	-0.601	100	93.3	99.9	.174	.057	.983	.172
MATSUSHI	-14.2	-2.9		.577	100	71.1	140.8	1.223	-0.205	.598	.774
MISHIMA	-11.4	5.8		-0.149	-1	130.4	140.8	1.226	.409	.481	.775
MITO	-8.5	-0.3	W	.040	-100	86.8	124.8	.694	-0.046	.820	.570
MORIOKA	-2.4	-1.7		.787	100	40.6	107.0	.305	-0.726	.623	.292
MUROTOMI	3.1	2.1		.167	100	221.1	110.8	.379	.704	-0.615	.355
NAGANO	-15.1	-4.8		.717	100	61.9	144.4	1.398	-0.274	.513	.814
NAGOYA	5.8	14.0	W	.049	-100	193.8	153.3	1.990	.436	-0.107	.894
OMAEZAKI	-5.7	7.5	W	-0.174	100	155.7	138.5	1.131	.604	.272	.749
SAGA	1.6	.5		-0.096	-100	244.3	98.3	.146	.430	-0.891	.145
SAPPORO	-0.4	-0.5		.673	100	23.4	94.4	.076	-0.915	.396	.077
SHIONOMI	2.7	3.5		.150	100	204.4	118.3	.537	.802	-0.364	.473
SHIZUOKA	-9.7	8.3		-0.100	-100	145.4	144.4	1.395	.480	.331	.813
SUMOTO	5.6	3.2		-0.026	-100	226.3	122.3	.630	.584	-0.612	.534
TAKAMATS	4.9	2.1		-0.088	-100	234.4	116.3	.494	.521	-0.729	.444
TOMAKOMA	-0.6	-0.7		.706	100	26.7	96.0	.105	-0.888	.447	.105
TOYAMA	0	0		-0.009	-100	348.8	90.0	0	-0.981	-0.194	-0.000
TOYOOKA	10.2	2.2		-0.329	-100	250.3	131.6	.887	.252	-0.704	.664
TSURUGA	20.1	7.4		-0.040	-100	238.0	152.7	1.934	.243	-0.390	.888
URAKAWA	-0.6	-0.5		.671	100	34.3	95.2	.091	-0.823	.561	.091
YOKOHAMA	-10.4	2.6		-0.227	-100	113.3	132.7	.922	.291	.675	.678
APIA	18.1	-7.8		.063	100	126.2	28.7	1.827	.284	.387	-0.877
ATHENS	-20.8	11.6		.159	100	313.2	23.2	2.328	-0.270	-0.287	-0.919
BERGEN	-9.5	13.7	W	.056	-100	337.6	26.1	2.038	-0.407	-0.168	-0.898
BERKELEY	20.0	8.8		-0.013	-100	53.4	26.2	2.035	-0.263	.354	-0.898
COLLEGE	9.0	8.6	W	-0.013	100	31.8	35.8	1.388	-0.497	.308	-0.812
COPENHAG	-12.1	13.2		.069	100	331.5	25.7	2.078	-0.381	-0.207	-0.901
DJAKARTA	-11.0	-7.6		.907	100	220.5	36.0	1.377	.447	-0.381	-0.809
HELWAN	-24.1	9.2		.209	100	302.9	23.1	2.342	-0.213	-0.329	-0.920
HONOLULU	18.7	.8		-0.204	-100	86.0	33.1	1.534	-0.038	.545	-0.838
IVIGTUT	1.3	16.6		.079	100	2.7	23.6	2.286	-0.400	.019	-0.916
KEW	-12.3	15.5		.107	100	335.0	22.9	2.367	-0.353	-0.165	-0.921
LA PAZ	82.5	33.5		.269	100	55.6	7.0	8.161	-0.069	.100	-0.993
MALAGA	-16.3	16.5	W	.150	-1	329.7	20.8	2.637	-0.306	-0.179	-0.935
MOSCOW	-13.0	10.0		.010	100	322.4	29.9	1.737	-0.395	-0.305	-0.867
PASADENA	22.0	9.3		.006	100	54.4	24.3	2.211	-0.240	.335	-0.911
ROME	-18.3	14.0		.144	100	322.1	22.3	2.439	-0.299	-0.233	-0.925
SITKA	12.2	8.8		-0.024	-1	39.5	32.6	1.565	-0.415	.342	-0.843
SVERDLOV	-11.7	7.8		-0.079	-100	318.3	34.9	1.433	-0.427	-0.381	-0.820
UCCLE	-13.3	14.9		.107	100	332.1	23.2	2.327	-0.349	-0.184	-0.919
WELLINGT	13.3	-15.1		.405	100	152.6	23.1	2.348	.348	.180	-0.920


UNIT DISTANCE ON X-AXIS = 12.3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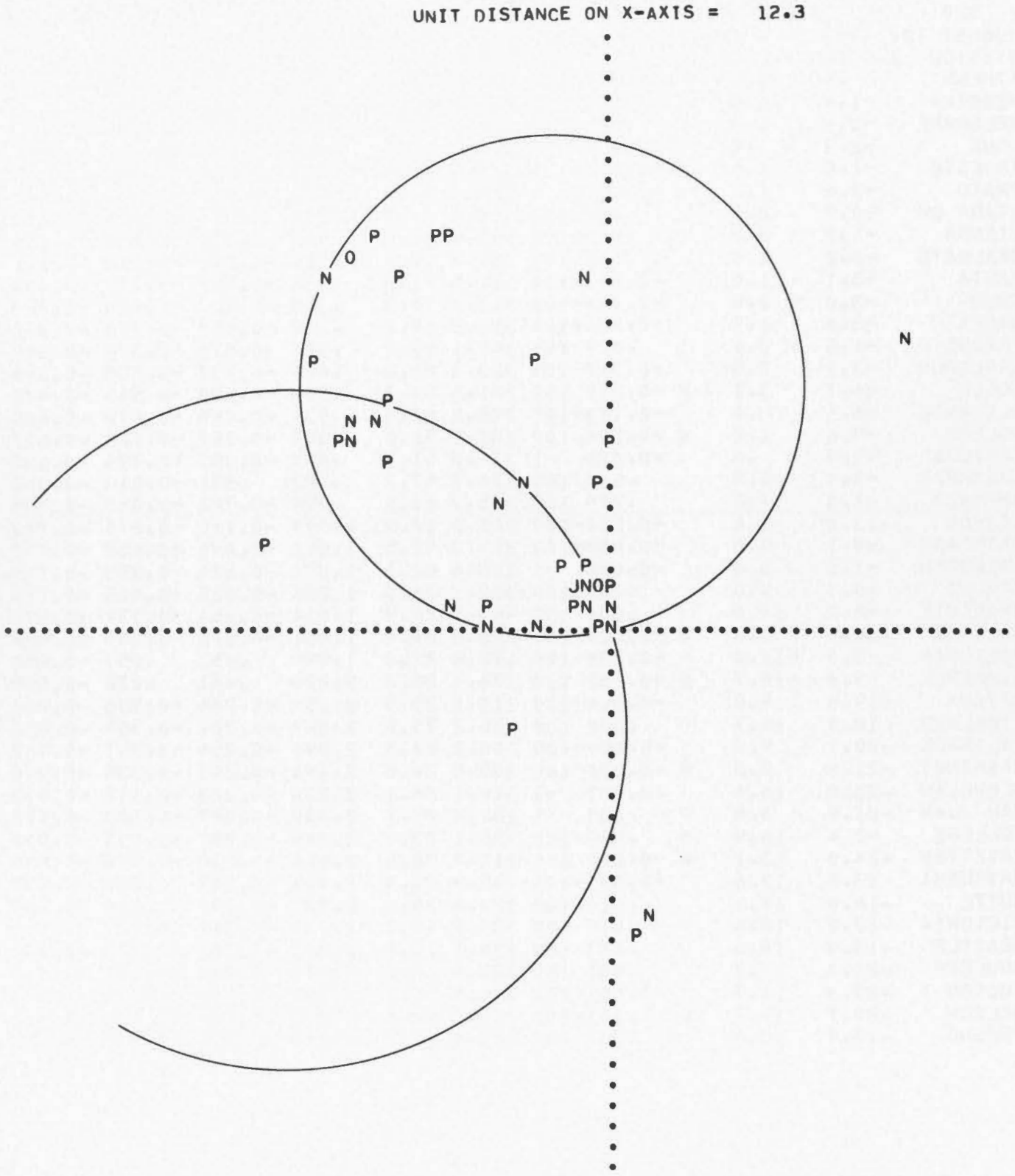
320

AUGUST 12, 1953 H = 14.08.38 38.5N 21E DEPTH NORMAL

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ATHENS	.5	-0.1		-0.706	-100	102.7	87.7	.039	.220	.975	-0.039
MESSINA	-1.4	-0.0	W	-0.227	100	267.8	83.2	.118	.038	-0.992	-0.118
BELGRADE	-0.1	1.3	W	.433	-100	356.4	79.5	.185	-0.981	-0.061	-0.183
ROME	-2.3	.8		-0.690	-100	300.3	77.7	.217	-0.494	-0.843	-0.212
TRIESTE	-1.9	1.6		-0.378	-100	325.3	75.0	.268	-0.794	-0.550	-0.259
PRATO	-2.6	1.3	W	-0.610	1	309.0	74.5	.276	-0.607	-0.749	-0.267
STARA DU	-0.7	2.1		.229	100	348.6	73.8	.290	-0.941	-0.190	-0.279
VIENNA	-1.2	2.2	W	.068	-100	342.4	72.6	.313	-0.910	-0.288	-0.300
SKALNATE	-0.2	2.4		.456	100	357.3	71.9	.326	-0.949	-0.044	-0.311
PAVIA	-3.1	1.6		-0.541	-100	311.0	71.3	.338	-0.621	-0.715	-0.321
CHUR	-3.0	2.0		-0.434	-100	318.4	70.0	.363	-0.703	-0.624	-0.342
OROPA	-3.4	1.7		-0.520	-100	310.5	69.8	.368	-0.609	-0.713	-0.346
PRAGUE	-1.6	2.6		.029	100	340.1	69.0	.384	-0.878	-0.318	-0.359
KARLSRUH	-3.1	2.5		-0.312	-100	323.3	66.8	.428	-0.737	-0.550	-0.394
UCCLE	-4.1	3.1	W	-0.270	100	321.6	61.7	.539	-0.690	-0.546	-0.475
ALICANTE	-6.5	.4		-0.173	-100	276.2	62.0	.531	-0.096	-0.878	-0.469
TOLEDO	-9.6	1.2	W	-0.124	100	282.0	51.2	.805	-0.162	-0.762	-0.627
CARTUJA	-9.9	.4		-0.020	-1	273.8	51.1	.807	-0.052	-0.776	-0.628
TAMANRAS	-8.0	-4.8		.548	100	224.7	47.2	.927	.521	-0.516	-0.680
UPPSALA	-1.0	7.2		.275	100	355.3	45.1	.995	-0.706	-0.057	-0.706
LISBON	-13.0	1.4		-0.024	-100	280.0	42.9	1.077	-0.119	-0.670	-0.733
RATHFARN	-9.1	5.8		-0.088	-100	317.3	42.5	1.090	-0.496	-0.459	-0.737
ABERDEEN	-7.0	6.8		-0.008	-1	328.4	42.4	1.096	-0.574	-0.353	-0.739
KIRUNA	-0.1	9.0		.246	100	359.5	39.0	1.236	-0.629	-0.005	-0.778
RESOLUTE	-6.2	12.6		.081	100	343.9	28.9	1.814	-0.464	-0.134	-0.876
HALIFAX	-18.5	7.8	W	-0.014	100	305.5	28.4	1.851	-0.276	-0.387	-0.880
PRETORIA	3.0	-14.0		-0.186	-100	172.8	27.2	1.949	.453	.057	-0.890
KIMBERLE	1.6	-14.7	W	-0.152	100	176.4	26.2	2.029	.441	.028	-0.897
OTTAWA	-19.0	9.8		-0.004	-100	311.0	25.9	2.058	-0.286	-0.330	-0.900
KIRKLAND	-18.0	10.7		.000	100	315.2	25.6	2.087	-0.307	-0.304	-0.902
PALISADE	-20.7	9.0		-0.004	-100	306.2	25.5	2.097	-0.254	-0.347	-0.903
WASHINGT	-21.8	9.3	W	-0.002	100	305.8	24.5	2.194	-0.243	-0.336	-0.910
CLEVELAN	-20.9	10.4		-0.001	-1	310.1	24.1	2.235	-0.263	-0.312	-0.913
SAN JUAN	-27.9	3.8		.028	1	282.8	23.1	2.339	-0.087	-0.383	-0.920
COLLEGE	-2.4	16.9	W	.059	-100	355.1	23.1	2.340	-0.391	-0.033	-0.920
FAYETTEV	-24.0	13.1	W	-0.000	100	312.7	20.6	2.666	-0.238	-0.258	-0.936
MATSUSHI	23.8	13.6		-0.099	-100	45.9	20.3	2.704	-0.241	.249	-0.938
BUTTE	-16.9	17.1		.010	100	329.6	20.1	2.727	-0.297	-0.174	-0.939
VICTORIA	-13.2	18.6		.015	100	337.2	19.7	2.786	-0.311	-0.131	-0.941
SEATTLE	-13.9	18.6		.013	100	336.1	19.6	2.801	-0.307	-0.136	-0.942
BOULDER	-20.7	17.7		.001	100	325.4	18.6	2.970	-0.263	-0.181	-0.948
TUCSON T	-23.3	16.7		-0.001	-100	320.5	18.5	2.984	-0.245	-0.202	-0.948
NELSON	-20.7	17.7	W	.001	-100	325.3	18.6	2.971	-0.262	-0.181	-0.948
FRESNO	-18.7	18.6		.003	100	329.2	18.5	2.989	-0.273	-0.162	-0.948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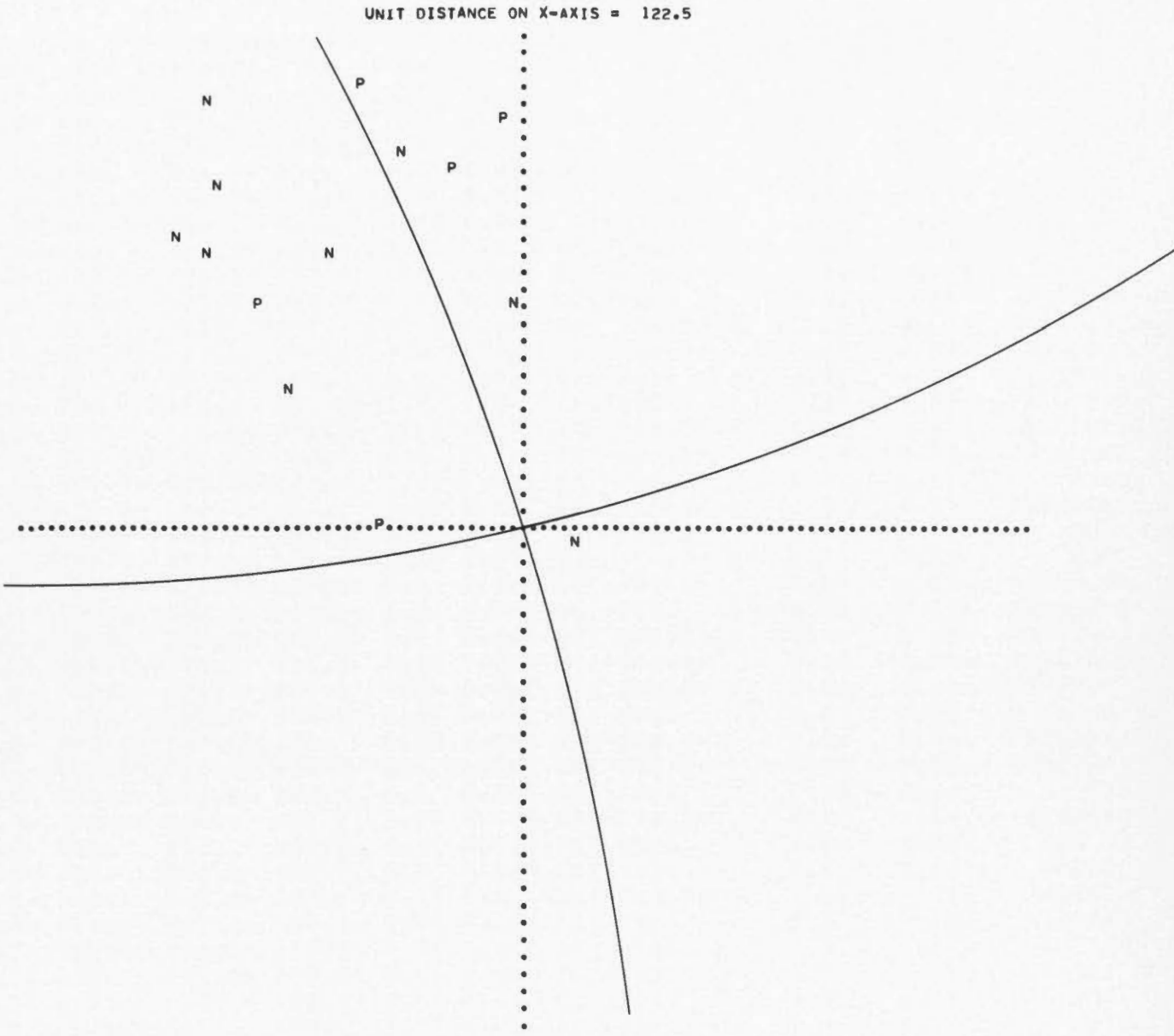
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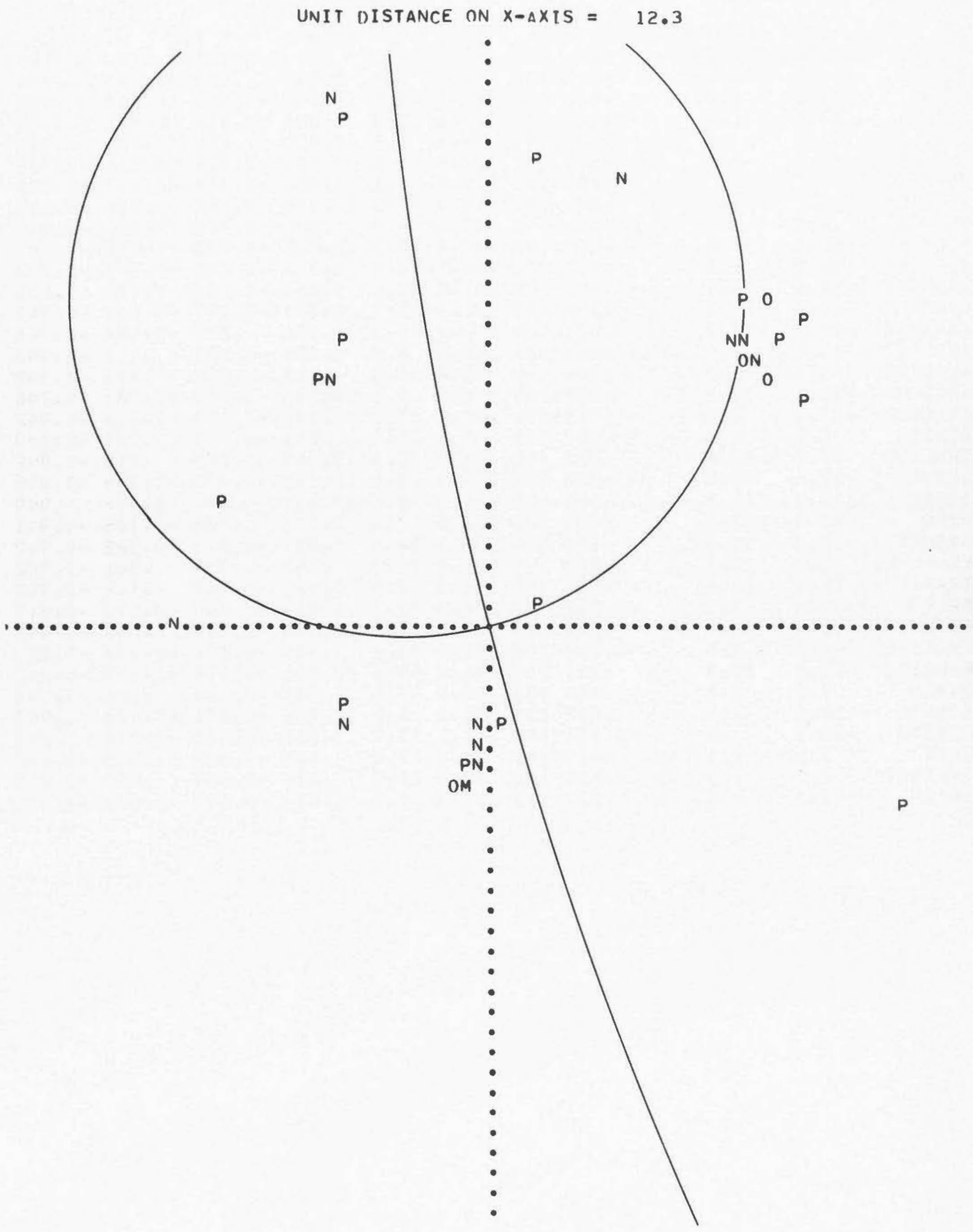
SEPTEMBER 14, 1953 H = 00.26.36 18.5S 178.5E DEPTH NORMAL M = 6.7

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION	DIR.	COSINES
ABERDEEN	.9	58.4	W	.002	-1	.5	7.1	8.061	-0.123	.001	-0.992
ALICANTE	-6.4	92.1		-0.001	-100	357.6	4.5	12.714	-0.078	-0.003	-0.997
ALMERIA	7.2	99.1		.001	100	2.5	4.2	13.683	-0.073	.003	-0.997
APIA	3.5	1.0	W	-0.192	100	64.9	72.4	.318	-0.405	.863	-0.303
ATHENS	-78.1	48.9		-0.016	-100	316.6	6.2	9.278	-0.078	-0.074	-0.994
AUCKLAND	-1.3	-4.6		-0.606	-100	189.3	57.1	.647	.828	-0.136	-0.543
BASEL	-24.1	64.8		-0.003	-100	347.6	6.2	9.158	-0.106	-0.023	-0.994
BELGRADE	-54.0	55.0		-0.010	-100	329.9	6.5	8.777	-0.098	-0.057	-0.994
BOZEMAN	23.1	15.6		.009	100	41.4	19.3	2.858	-0.248	.218	-0.944
BRISBANE	-12.4	-3.5	W	-0.369	100	244.5	41.6	1.125	.286	-0.599	-0.747
BUDAPEST	-45.4	56.1		-0.008	-1	334.4	6.6	8.580	-0.104	-0.050	-0.993
BUTTE	22.6	15.6	W	.006	-100	40.6	19.4	2.836	-0.252	.216	-0.943
CARTUJA	15.0	96.7	W	.002	-1	5.2	4.3	13.396	-0.074	.007	-0.997
CARTUJA	3.5	22.7	W	-0.013	1	5.2	17.6	3.150	-0.301	.028	-0.953
CHEB	-29.5	59.7		-0.004	-100	343.7	6.6	8.585	-0.111	-0.032	-0.993
CHEB	-12.2	24.7		.003	100	343.7	15.7	3.550	-0.260	-0.076	-0.963
CHRISTCH	-2.4	-8.1		-0.430	-100	190.0	41.4	1.136	.651	-0.115	-0.751
CHUR	-29.9	64.3		-0.004	-100	344.6	6.2	9.203	-0.104	-0.029	-0.994
COBB	-2.5	-7.5	W	-0.471	1	191.2	43.3	1.061	.673	-0.133	-0.728
COLLMBER	-28.5	58.7		-0.004	-100	344.0	6.8	8.422	-0.113	-0.033	-0.993
COLLMBER	-12.5	25.8	W	.003	-100	344.0	15.1	3.700	-0.251	-0.072	-0.965
COPENHAG	-21.6	57.0	W	-0.003	100	347.4	7.1	8.062	-0.120	-0.027	-0.992
DJAKARTA	-26.2	-0.0		-0.072	-100	269.9	25.0	2.141	.001	-0.423	-0.906
FLORENCE	-41.5	66.2	W	-0.006	100	339.6	5.9	9.738	-0.096	-0.036	-0.995
HUNGRY H	21.4	16.2		.001	100	38.0	19.4	2.842	-0.261	.204	-0.943
KARAPIRO	-1.2	-5.9		-0.495	-100	187.0	50.6	.821	.767	-0.094	-0.635
KARLSRUH	-23.6	62.8		-0.003	-100	347.4	6.4	8.868	-0.109	-0.024	-0.994
KEW	-2.5	62.7		.001	100	358.6	6.6	8.651	-0.115	-0.003	-0.993
KAIMATA	-3.0	-7.9		-0.470	-100	192.6	41.9	1.114	.652	-0.146	-0.744
LA PAZ	34.2	-8.9		.175	100	113.8	18.1	3.051	.125	.285	-0.950
LISBON	42.2	83.3		.007	100	16.7	4.8	11.990	-0.079	.024	-0.997
LISBON	11.2	22.1		-0.013	-100	16.7	17.2	3.180	-0.283	.085	-0.955
MANILLA	-21.8	6.3		.073	100	296.2	26.7	1.986	-0.198	-0.404	-0.893
MATSUSHI	-14.0	12.1		.074	100	325.4	26.3	2.021	-0.365	-0.252	-0.896
MINERAL	20.6	13.5		-0.002	-100	42.1	21.7	2.509	-0.275	.248	-0.929
MOUNT HA	21.0	12.6		.003	100	44.6	22.3	2.437	-0.270	.266	-0.925
NEW PLYM	-2.0	-6.8	W	-0.489	100	189.7	46.2	.957	.712	-0.122	-0.692
PASADENA	22.8	11.8	W	.020	-100	48.9	22.1	2.467	-0.247	.283	-0.927
PRAGUE	-33.0	58.5		-0.005	-100	341.6	6.7	8.508	-0.111	-0.037	-0.993
RAPID CI	25.6	15.1		.021	100	45.1	18.7	2.957	-0.226	.227	-0.947
RATHFARN	9.0	60.6		.004	100	5.0	6.8	8.393	-0.118	.010	-0.993
RIVERSID	23.1	11.8		.022	100	49.3	21.9	2.488	-0.243	.283	-0.928
RIVERVIE	-11.9	-5.4		-0.478	-100	232.6	39.3	1.222	.385	-0.503	-0.774
SALT LAK	24.2	14.1		.018	100	45.5	19.8	2.773	-0.238	.242	-0.941
SANTA CL	20.8	12.6	W	.002	-1	44.4	22.4	2.430	-0.272	.266	-0.925
SAPPORO	-12.2	13.6		.050	100	331.9	25.2	2.123	-0.376	-0.201	-0.905
SENDAI	-12.9	12.5	W	.067	-100	328.4	26.3	2.019	-0.378	-0.232	-0.896
SHASTA	20.2	13.6		-0.005	-100	41.4	21.8	2.496	-0.279	.246	-0.928
STUTTGAR	-25.6	62.6		-0.003	-100	346.4	6.4	8.878	-0.109	-0.026	-0.994
SUVA	1.1	-5.0	W	-0.210	100	352.7	125.0	.700	-0.812	-0.105	.574
TINEMAHA	22.4	12.7	W	.012	-100	46.2	21.6	2.529	-0.254	.266	-0.930
TRIESTE	-41.6	61.7	W	-0.007	100	338.3	6.2	9.163	-0.101	-0.040	-0.994
TUAI	-0.6	-6.6		-0.394	-1	183.0	47.8	.907	.739	-0.039	-0.672
TUCSON	26.2	11.5		.042	100	53.5	20.6	2.658	-0.210	.283	-0.936
UCCLE	-12.8	62.6	W	-0.001	100	353.1	6.6	8.700	-0.113	-0.014	-0.993
WELLINGT	-1.6	-7.6		-0.417	-100	187.2	43.4	1.057	.681	-0.086	-0.727
WESTON	69.6	33.0		.032	100	51.3	7.8	7.280	-0.085	.106	-0.991
WITTEVEE	-15.6	60.3		-0.001	-100	351.3	6.8	8.408	-0.117	-0.018	-0.993
ZURICH	-26.7	64.4		-0.004	-100	346.2	6.2	9.144	-0.106	-0.026	-0.994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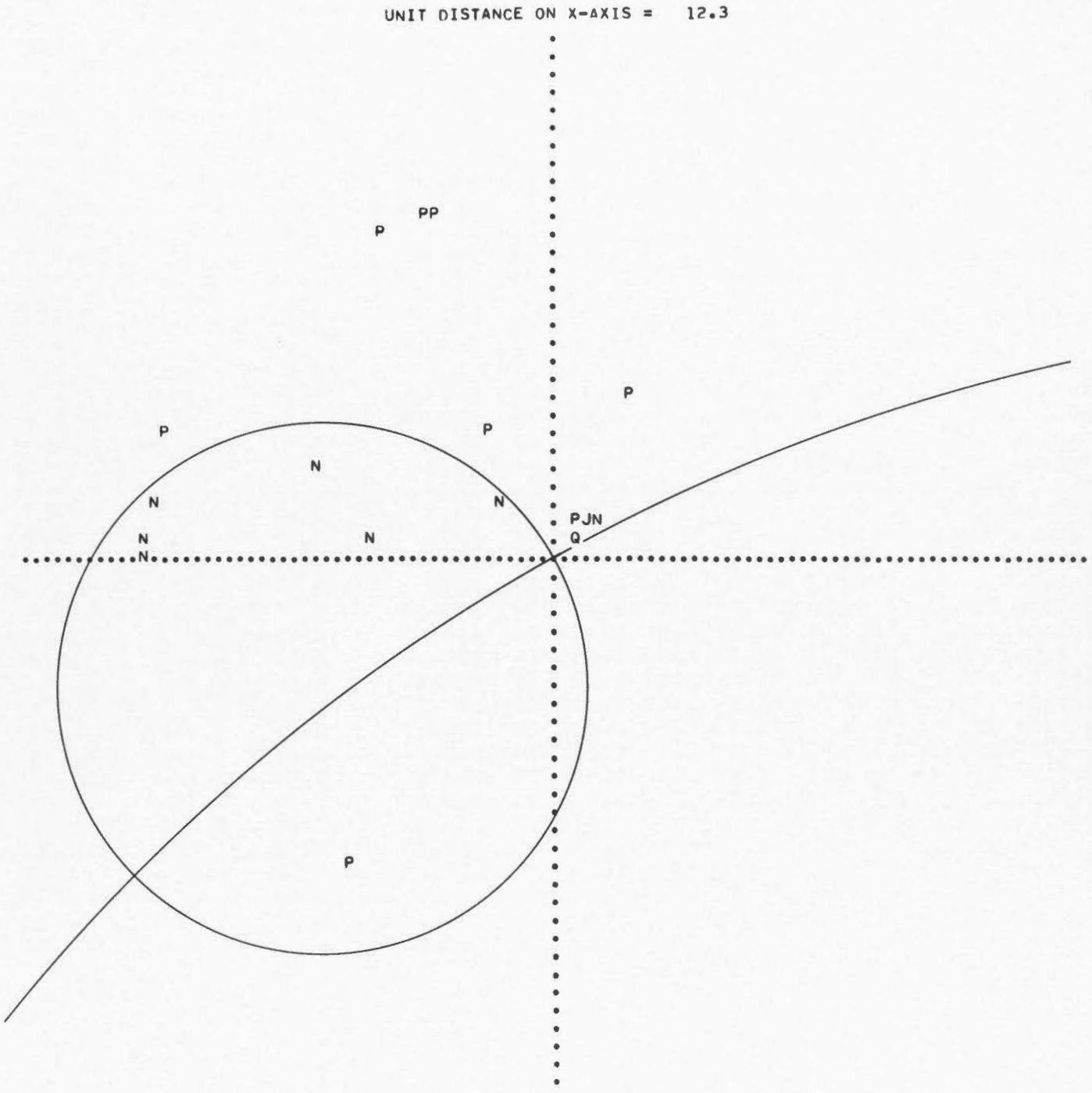
JANUARY 13, 1954 H = 00.13.06 49S 165E DEPTH NORMAL M = 7.2

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ATHENS	-111.5	-8.1		.018	100	263.0	6.2	9.167	.013	-0.108	-0.994
BASEL	-201.7	6.2		.022	100	273.0	3.5	16.490	-0.003	-0.060	-0.998
BASEL	-37.8	1.2		-0.021	-100	273.0	17.9	3.090	-0.016	-0.307	-0.952
BERMUDA	96.7	-5.4		-0.025	-100	95.4	7.2	7.932	.012	.124	-0.992
BRISBANE	-6.1	6.9		.276	100	332.4	43.0	1.073	-0.604	-0.316	-0.732
BUDAPEST	-136.5	13.0	W	.026	-100	279.2	5.1	11.285	-0.014	-0.087	-0.996
CHRISTCH	2.0	1.1		.394	100	46.8	77.3	.225	-0.668	.711	-0.220
COBB	2.2	1.7		.653	1	37.5	73.8	.290	-0.762	.584	-0.279
COLLMBER	-161.5	31.2		.029	100	288.1	4.1	13.865	-0.022	-0.068	-0.997
COLLMBER	-36.2	7.0		.002	100	288.1	17.8	3.110	-0.095	-0.291	-0.952
DJAKARTA	-22.5	5.1		-0.067	-100	291.0	27.0	1.966	-0.163	-0.423	-0.891
FUKUOKO	-16.2	17.8		.158	100	331.7	19.7	2.787	-0.297	-0.160	-0.941
GRAHAMST	-19.4	-17.2		.020	100	213.7	19.3	2.856	.275	-0.184	-0.944
HALIFAX	103.7	12.1		-0.004	-100	78.8	6.6	8.627	-0.022	.113	-0.993
KARAPIRO	3.1	2.3		.604	100	38.5	67.5	.413	-0.723	.575	-0.382
KARLSRUH	-196.6	18.2	W	.024	-100	278.9	3.5	16.240	-0.009	-0.061	-0.998
KARLSRUH	-37.4	3.5		-0.015	-100	278.9	17.9	3.090	-0.047	-0.304	-0.952
KAIMATA	1.7	1.4		.669	100	37.1	76.8	.234	-0.777	.587	-0.229
KIRKLAND	87.5	23.6		.012	100	65.5	7.3	7.847	-0.052	.115	-0.992
KIRUNA	-62.6	63.5		.056	100	329.7	5.6	10.142	-0.085	-0.049	-0.995
LISBON	-114.0	-148.4		.004	100	204.4	2.5	22.491	.040	-0.018	-0.999
LWIRO	-68.8	-33.5		.002	100	230.6	7.8	7.271	.086	-0.105	-0.991
MATSUSHI	-12.5	19.0		.184	100	338.7	19.6	2.807	-0.313	-0.122	-0.942
NEW PLYM	2.7	2.1		.660	1	36.6	70.0	.363	-0.754	.561	-0.342
OTTAWA	92.0	18.4		.004	100	71.3	7.2	7.927	-0.040	.118	-0.992
PERTH	-17.3	1.1		-0.212	-1	276.3	35.2	1.418	-0.064	-0.573	-0.817
RESOLUTE	38.7	52.5		.065	100	23.6	7.2	7.898	-0.115	.050	-0.992
RIVERVIE	-4.8	3.5		-0.008	-100	320.7	58.2	.620	-0.658	-0.538	-0.527
SENDAI	-11.2	19.5		.191	100	341.2	19.4	2.840	-0.314	-0.107	-0.943
SUVA	6.5	8.6		.484	100	24.2	37.5	1.301	-0.556	.250	-0.793
TRIESTE	-156.3	1.8		.022	100	271.1	4.5	12.762	-0.001	-0.078	-0.997
TRIESTE	-38.3	.4		-0.021	-100	271.1	17.7	3.130	-0.006	-0.304	-0.953
TUAI	3.6	2.1	W	.427	-100	45.1	67.6	.413	-0.652	.655	-0.382
WELLINGT	2.7	1.6	W	.430	-100	45.4	72.5	.314	-0.669	.680	-0.300
ZURICH	-193.3	6.1	W	.022	-100	273.0	3.6	15.800	-0.003	-0.063	-0.998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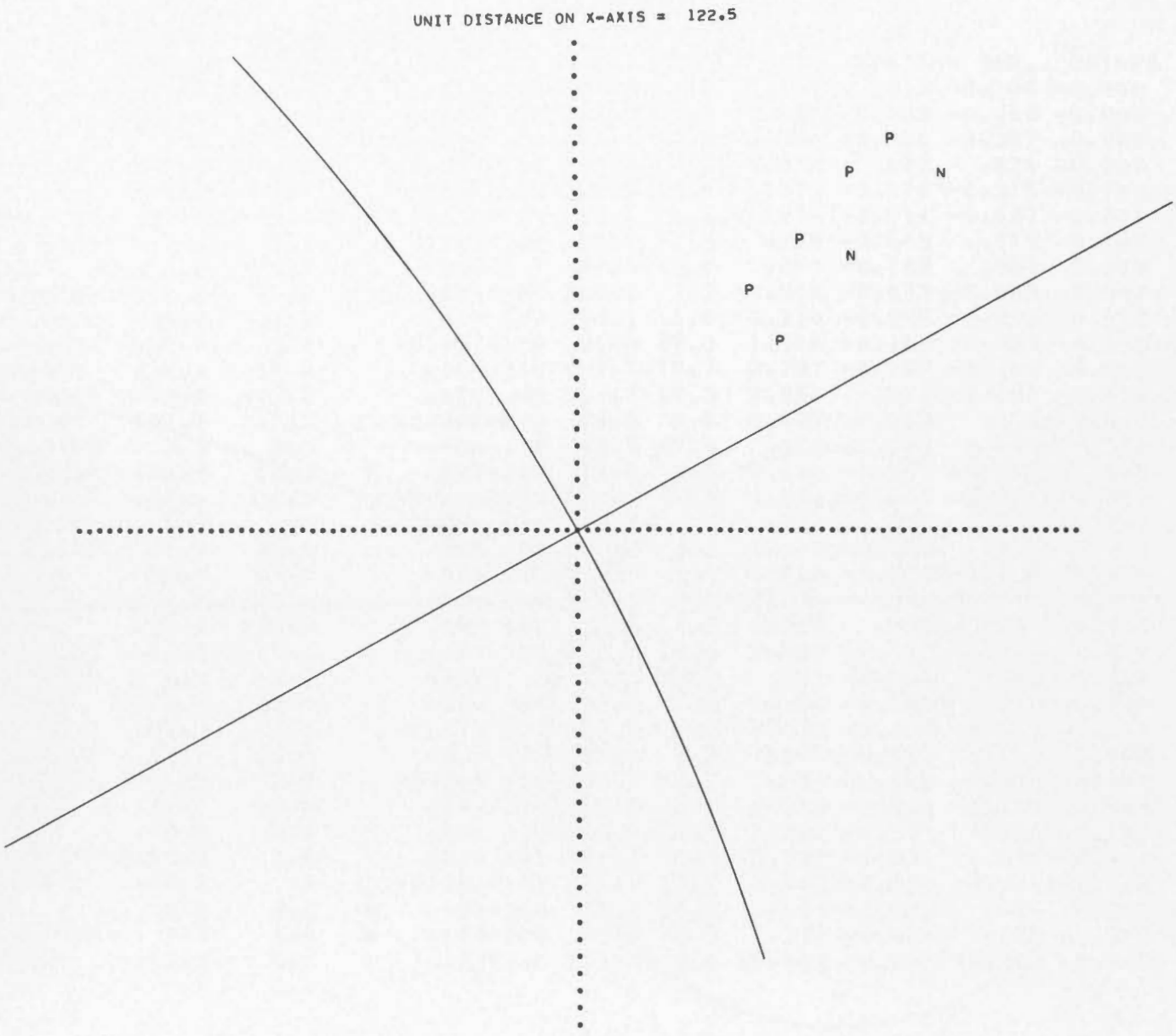
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MARCH 3, 1954 H = 06.02.55 5.5S 142.5E DEPTH NORMAL M = 7.2

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
BAGUIO	-10.9	6.5		.246	100	315.5	38.3	1.264	-0.443	-0.435	-0.784
DEHRA DU	-21.7	8.8		-0.007	-100	304.5	24.9	2.153	-0.238	-0.347	-0.907
DJAKARTA	-16.5	-0.5		-0.362	-100	267.2	36.5	1.351	.029	-0.594	-0.804
HONG KON	-12.0	7.3		.201	100	315.9	35.5	1.402	-0.417	-0.404	-0.814
HWALIEN	-9.3	8.1	W	.258	-100	326.0	36.4	1.354	-0.492	-0.332	-0.805
HYDERABA	-23.2	5.4	W	-0.093	100	291.4	26.1	2.036	-0.161	-0.410	-0.898
ILAN	-9.1	8.3	W	.257	-100	327.0	36.3	1.363	-0.496	-0.322	-0.806
LEMBANG	-16.3	-0.7		-0.380	-100	265.9	36.8	1.338	.043	-0.597	-0.801
MANILLA	-11.0	6.1		.243	100	313.3	39.1	1.232	-0.432	-0.459	-0.776
MATSUSHI	-1.6	10.4		.160	100	354.8	34.8	1.440	-0.568	-0.051	-0.821
NANKING	-8.9	9.2		.230	100	330.3	34.4	1.463	-0.490	-0.279	-0.826
POONA	-24.8	5.8		-0.098	-100	291.5	24.7	2.172	-0.153	-0.389	-0.908
QUETTA	-26.0	9.5	W	-0.047	1	301.7	21.9	2.491	-0.196	-0.317	-0.928
SAFED	-31.4	11.9	W	-0.063	100	302.6	18.2	3.040	-0.168	-0.263	-0.950
SAFED	-73.7	27.9		-0.084	-100	302.6	8.0	7.140	-0.075	-0.117	-0.990
SAPPORO	-0.4	11.2		.122	100	358.8	32.9	1.544	-0.543	-0.011	-0.840
SHILLONG	-17.8	7.3		.040	100	304.8	29.4	1.773	-0.280	-0.403	-0.871
TAIPEI	-9.1	8.3	W	.255	-100	327.0	36.2	1.367	-0.495	-0.322	-0.807
TOKYO	-1.0	10.3	W	.150	-100	356.6	35.0	1.427	-0.573	-0.034	-0.819
ZOSE	-8.2	9.2		.238	100	332.0	34.9	1.436	-0.505	-0.268	-0.821
CHRISTCH	9.3	-9.4		.280	100	149.6	33.6	1.505	.477	.280	-0.833
GUAM	1.0	5.2		.102	100	6.6	54.4	.717	-0.807	.094	-0.583
HONOLULU	21.3	6.3		-0.014	-100	63.3	27.2	1.949	-0.205	.408	-0.890
MACQUARI	2.2	-11.3		.016	100	173.5	32.6	1.564	.535	.061	-0.843
PERTH	-10.8	-7.6		-0.563	-1	220.2	36.3	1.363	.452	-0.381	-0.806
RABAUL	3.6	.3		-0.226	-100	83.0	73.6	.295	-0.117	.952	-0.283
RIVERVIE	3.9	-8.6		.193	100	165.2	39.0	1.234	.608	.161	-0.777
WELLINGT	10.3	-9.0		.307	100	145.9	33.7	1.498	.460	.311	-0.832
ABERDEEN	-33.4	49.6		-0.043	-100	338.3	7.7	7.366	-0.125	-0.050	-0.991
ALMERIA	-61.8	42.3		-0.064	-100	319.1	7.4	7.711	-0.097	-0.084	-0.992
BASEL	-51.9	43.9		-0.056	-100	325.0	7.7	7.392	-0.110	-0.077	-0.991
BELGRADE	-59.9	39.0		-0.064	-100	317.7	7.8	7.269	-0.101	-0.092	-0.991
BOLOGNA	-57.7	41.2		-0.061	-100	320.3	7.7	7.380	-0.103	-0.086	-0.991
CHUR	-53.7	43.0		-0.058	-100	323.5	7.7	7.379	-0.108	-0.080	-0.991
RATHFARN	-35.0	49.9	W	-0.044	100	337.4	7.6	7.448	-0.123	-0.051	-0.991
GRANADA	122.8	22.0		-0.017	-100	73.2	5.5	10.476	-0.028	.091	-0.995
KARLSRUH	-50.3	44.4		-0.055	-100	326.2	7.7	7.372	-0.112	-0.075	-0.991
KIRUNA	-12.5	20.8		.030	100	340.4	18.2	3.040	-0.294	-0.105	-0.950
COPENHAG	-43.0	46.1		-0.049	-100	331.1	7.8	7.267	-0.119	-0.066	-0.991
LEIPZIG	-20.4	18.5		.013	100	326.9	18.2	3.046	-0.261	-0.170	-0.950
LEIPZIG	-48.9	44.4		-0.054	-100	326.9	7.8	7.309	-0.113	-0.074	-0.991
MESSINA	-27.7	14.8		-0.027	-100	312.0	18.2	3.046	-0.209	-0.232	-0.950
MOSCOW	-20.9	18.2		.011	100	325.9	18.2	3.037	-0.259	-0.175	-0.950
PAVIA	-23.0	17.4		.002	100	322.0	18.2	3.046	-0.246	-0.192	-0.950
PAVIA	-55.8	42.2		-0.060	-100	322.0	7.7	7.397	-0.105	-0.082	-0.991
PRAGUE	-51.3	43.3	W	-0.056	100	325.0	7.8	7.298	-0.111	-0.078	-0.991
REYKJAVI	-12.3	52.8		-0.033	-100	352.1	7.7	7.348	-0.133	-0.018	-0.991
ROME	-61.5	39.3		-0.065	-100	317.2	7.7	7.386	-0.098	-0.091	-0.991
STUTTGAR	-51.0	44.1		-0.056	-100	325.6	7.7	7.367	-0.111	-0.076	-0.991
TOLEDO	-55.9	44.8		-0.059	-100	323.6	7.4	7.676	-0.104	-0.077	-0.992
TRIESTE	-57.0	41.2		-0.061	-100	320.7	7.8	7.346	-0.104	-0.085	-0.991
VIENNA	-54.4	41.9	W	-0.059	100	322.5	7.8	7.291	-0.108	-0.083	-0.991
BERKELEY	29.2	13.2		.002	100	52.6	18.5	2.996	-0.192	.252	-0.949
BUTTE	25.9	15.8		-0.002	-100	44.0	18.2	3.038	-0.225	.217	-0.950

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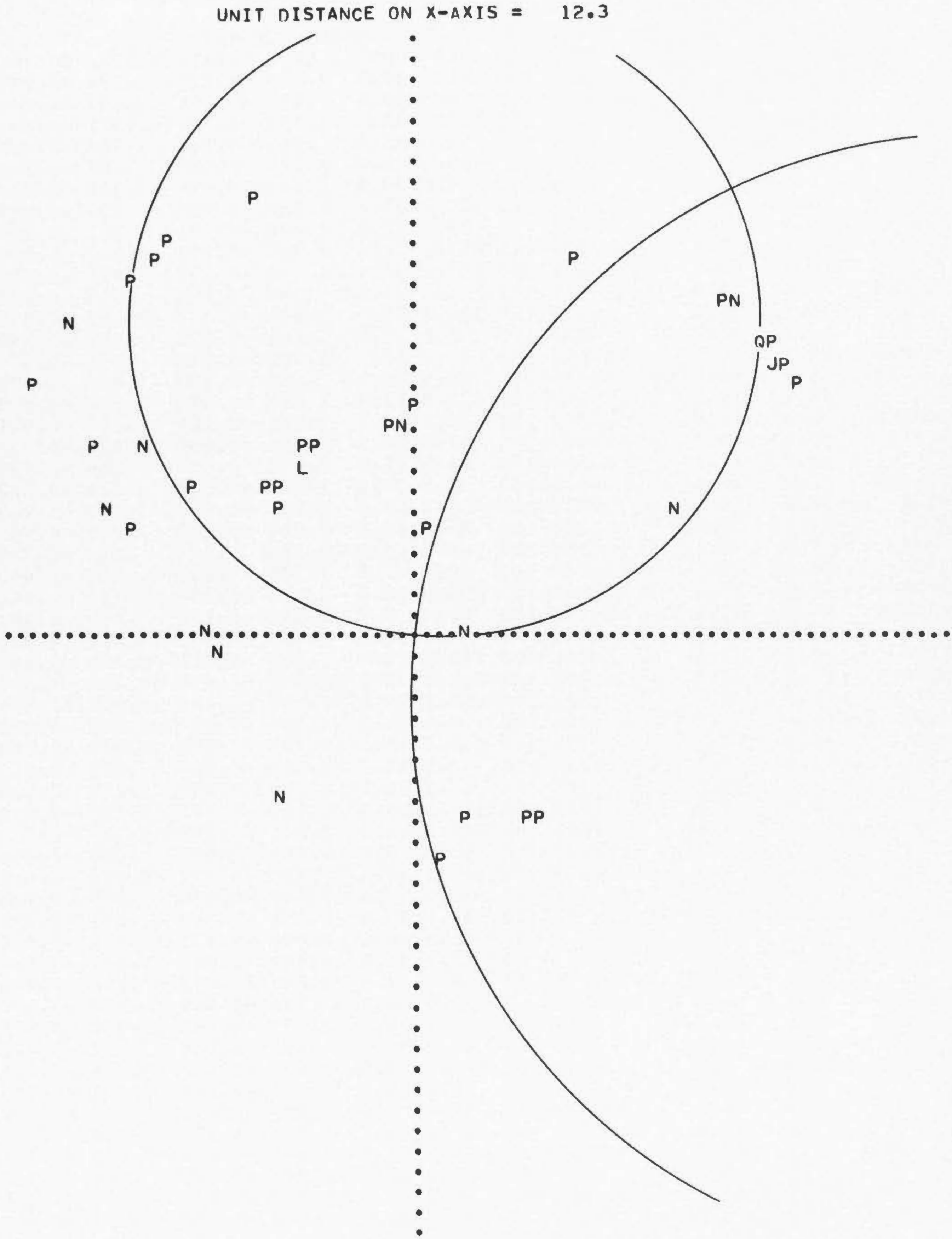
MARCH 3, 1954 H = 06.02.55 5.5S 142.5E DEPTH NORMAL M = 7.2

CINCINNA	64.1	38.4		-0.013	-100	44.7	7.6	7.449	-0.095	.093	-0.991
CLEVELAN	59.8	41.0		-0.014	-100	40.8	7.6	7.468	-0.100	.087	-0.991
COLLEGE	13.5	18.2		.005	100	23.7	20.0	2.740	-0.314	.138	-0.939
HUNGRY H	24.8	16.4	W	-0.003	100	41.8	18.2	3.038	-0.233	.208	-0.950
KIRKLAND	49.7	45.0		-0.016	-100	33.2	7.7	7.413	-0.112	.073	-0.991
MINERAL	28.2	13.9		.000	100	50.1	18.4	3.002	-0.203	.243	-0.949
MORGANTO	61.6	40.5		-0.014	-100	42.0	7.6	7.516	-0.098	.088	-0.991
MOUNT HA	29.4	13.0		.003	100	53.2	18.4	3.001	-0.189	.253	-0.949
NELSON	30.3	12.8		.005	100	54.6	18.2	3.038	-0.181	.255	-0.950
OTTAWA	50.9	45.2		-0.016	-100	33.7	7.6	7.496	-0.110	.073	-0.991
PASADENA	30.9	12.1		.007	100	56.4	18.3	3.024	-0.174	.261	-0.949
RENO	28.7	13.8		.001	100	51.0	18.4	3.014	-0.198	.245	-0.949
SANTA CL	29.4	13.0	W	.003	-1	53.2	18.4	2.999	-0.190	.253	-0.949
SHASTA	28.0	14.0		.000	100	49.8	18.5	2.996	-0.204	.242	-0.949
SHAWINIG	47.2	46.8		-0.017	-100	30.9	7.6	7.520	-0.113	.068	-0.991
TUCSON	74.2	27.4		-0.007	-100	58.1	8.0	7.140	-0.073	.117	-0.990
WASHINGT	61.3	41.3		-0.014	-100	41.3	7.5	7.576	-0.098	.086	-0.991
BOGOTA	100.9	.4		-0.005	-100	89.7	6.9	8.240	-0.001	.120	-0.993
LA PAZ	80.5	-35.1		-0.015	-100	126.3	7.0	8.160	.072	.098	-0.993
ROOSEVEL	98.7	30.4	W	-0.014	1	62.6	6.3	9.083	-0.050	.097	-0.994
SAN JUAN	98.2	29.7	W	-0.014	1	62.9	6.3	9.001	-0.050	.098	-0.994
TACUBAYA	84.7	17.2		-0.003	-1	71.0	7.8	7.309	-0.044	.128	-0.991


UNIT DISTANCE ON X-AXIS = 12.3
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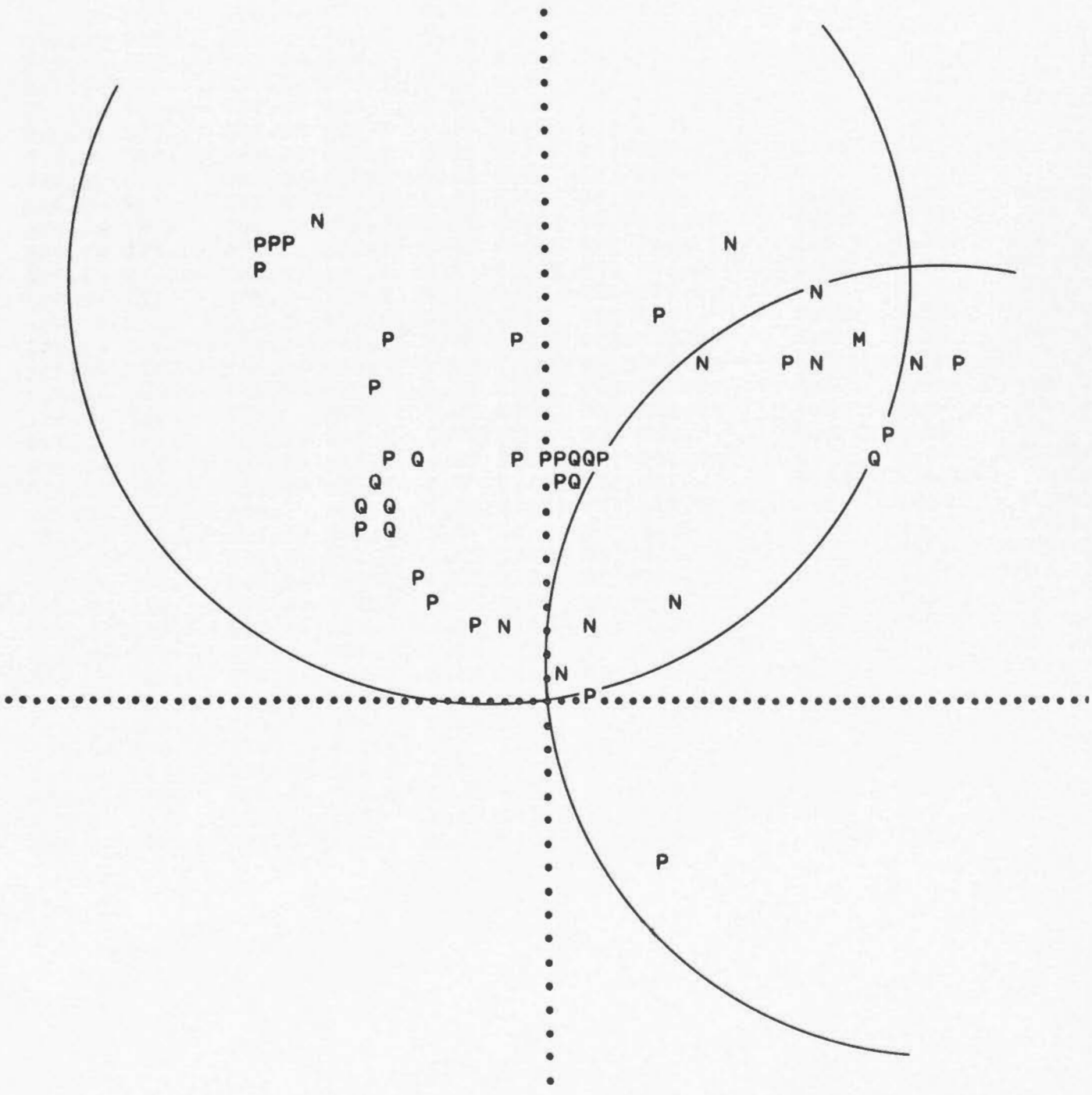
APRIL 27, 1954 H = 10.06.24 6N 82.5W DEPTH NORMAL M = 7

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ALICANTE	24.0	11.0		.000	100	52.2	22.0	2.477	-0.229	.296	-0.927
BALBOA	1.0	.6		-0.821	-100	44.6	83.5	.113	-0.708	.697	-0.113
BERKELEY	-12.8	8.2		.272	100	317.1	33.0	1.538	-0.399	-0.371	-0.839
BOGOTA	3.1	-0.3		.560	100	98.8	75.7	.254	.148	.958	-0.247
BOMBAY	71.7	44.0	W	-0.031	100	44.0	6.8	8.426	-0.085	.082	-0.993
BOULDER	-11.4	8.0		.304	100	319.6	34.8	1.440	-0.434	-0.369	-0.822
BUTTE	-8.9	9.8		.258	100	331.8	33.2	1.530	-0.482	-0.259	-0.837
CARTUJA	23.4	10.3		.000	1	53.4	22.8	2.376	-0.231	.311	-0.922
CHICAGO	-1.9	9.8		.151	1	353.5	36.4	1.358	-0.589	-0.067	-0.805
CHIHUAHU	-10.5	6.9		.359	100	318.0	37.9	1.283	-0.457	-0.411	-0.789
CLEVELAN	.4	9.8		.083	100	1.3	36.5	1.349	-0.595	.013	-0.803
COLLEGE	-11.1	15.0		.127	100	336.2	23.9	2.254	-0.371	-0.163	-0.914
COLUMBIA	.7	8.7		.068	100	2.6	39.8	1.201	-0.639	.029	-0.769
COPENHAG	19.3	16.7		-0.002	-100	34.4	19.7	2.789	-0.278	.191	-0.941
GUANTANA	2.7	3.1		-0.486	-100	26.9	64.2	.482	-0.803	.408	-0.435
HUNGRY H	-8.8	10.2		.243	100	332.9	32.4	1.578	-0.476	-0.244	-0.845
JUJHNO S	-19.8	18.8		.060	100	328.1	18.1	3.061	-0.264	-0.164	-0.951
KARLSRUH	22.0	14.9		-0.003	-100	41.3	20.1	2.727	-0.259	.227	-0.939
KEW	19.2	14.1		-0.008	-100	38.9	21.8	2.495	-0.289	.234	-0.928
KIRKLAND	.8	10.4		.074	100	2.5	34.8	1.440	-0.570	.024	-0.822
KIRUNA	12.8	19.1	W	.010	-100	21.7	19.4	2.835	-0.309	.123	-0.943
KSARA	29.2	14.0		.003	100	51.0	18.1	3.061	-0.195	.242	-0.951
LA PAZ	7.6	-7.1		.185	100	147.8	40.6	1.165	.551	.347	-0.759
LWIRO	88.2	-0.1	W	-0.032	100	90.1	7.9	7.196	.000	.138	-0.990
MAGADAN	-15.5	20.0	W	.063	-100	335.3	18.2	3.033	-0.284	-0.131	-0.950
MAKHACHK	54.3	41.4		-0.024	-100	37.8	7.9	7.227	-0.108	.084	-0.991
MALAGA	23.2	10.1		.000	1	53.8	23.0	2.350	-0.231	.316	-0.920
MERIDA	-2.6	3.4	W	.560	-100	335.7	62.9	.512	-0.811	-0.365	-0.456
MINERAL	-12.2	8.7		.269	100	320.3	32.7	1.556	-0.416	-0.345	-0.841
MOUNT HA	-12.8	8.1		.275	100	316.8	33.2	1.525	-0.400	-0.375	-0.836
NELSON	-11.4	7.9		.304	100	319.5	34.8	1.439	-0.434	-0.370	-0.821
OAXACA	-5.5	2.7		.741	100	309.3	60.0	.577	-0.549	-0.670	-0.500
OTTAWA	2.2	10.1		.034	100	7.5	35.3	1.409	-0.574	.075	-0.816
PALISADE	3.2	9.6		.002	100	11.2	36.4	1.355	-0.582	.115	-0.805
PASADENA	-12.6	7.5		.293	100	315.1	34.4	1.457	-0.401	-0.399	-0.825
PETROPAV	-20.1	18.5		.061	100	327.2	18.3	3.031	-0.263	-0.169	-0.950
POONA	71.7	45.1		-0.031	-100	43.3	6.7	8.543	-0.085	.080	-0.993
PUEBLA	-8.1	4.3		.543	100	311.7	48.4	.889	-0.497	-0.558	-0.665
QUETTA	56.9	44.0		-0.026	-1	37.4	7.4	7.648	-0.103	.079	-0.992
RATHFARN	17.2	13.7	W	-0.011	100	36.7	23.0	2.354	-0.313	.234	-0.920
RESOLUTE	-1.6	15.1		.085	100	356.5	25.6	2.090	-0.431	-0.026	-0.902
REYKJAVI	10.7	14.5		-0.002	-100	23.7	24.6	2.183	-0.381	.167	-0.909
ROME	25.9	13.8	W	.001	-100	48.0	19.4	2.847	-0.222	.246	-0.944
SAN JUAN	8.6	4.1		-0.226	-1	51.0	48.0	.900	-0.468	.577	-0.669
SCORESBY	8.4	15.7		.013	100	17.6	23.7	2.273	-0.384	.122	-0.915
SEVEN FA	3.6	10.2		.005	100	11.9	34.7	1.442	-0.558	.117	-0.822
SHASTA	-12.3	8.8		.265	100	320.2	32.5	1.571	-0.413	-0.344	-0.844
SHAWINIG	3.1	10.2		.015	100	10.2	35.0	1.430	-0.564	.101	-0.820
SHEMAKHA	56.5	40.6		-0.024	-100	39.4	7.8	7.257	-0.105	.087	-0.991
SITKA	-11.6	12.6		.170	1	331.4	26.7	1.985	-0.395	-0.215	-0.893
STALINAB	44.1	47.7		-0.025	-100	28.7	7.6	7.498	-0.116	.063	-0.991
STATE CO	1.8	9.7		.041	100	6.2	36.7	1.341	-0.594	.064	-0.802
STRASBOU	22.1	14.7		-0.003	-100	41.7	20.2	2.712	-0.258	.230	-0.938
TACUBAYA	-9.0	4.6		.494	1	310.8	45.9	.970	-0.469	-0.543	-0.696

347
APRIL 27, 1954 H = 10.06.24 6N A2.5W DEPTH NORMAL M = 7

TUCSON	-11.2	7.4	.325	100	318.2	36.0	1.376	-0.439	-0.391	-0.809
UGLEGORS	-18.8	19.2	.061	100	329.9	18.1	3.061	-0.269	-0.156	-0.951
VICTORIA	-11.0	10.3	.231	100	327.8	30.7	1.687	-0.431	-0.272	-0.860
WASHINGT	2.2	9.4	.025	100	7.8	37.4	1.310	-0.601	.083	-0.795
VLADIVOS	-18.3	19.4	.061	100	330.8	18.1	3.061	-0.271	-0.152	-0.951
WASHINGT	2.2	9.4	.025	100	7.8	37.4	1.310	-0.601	.083	-0.795

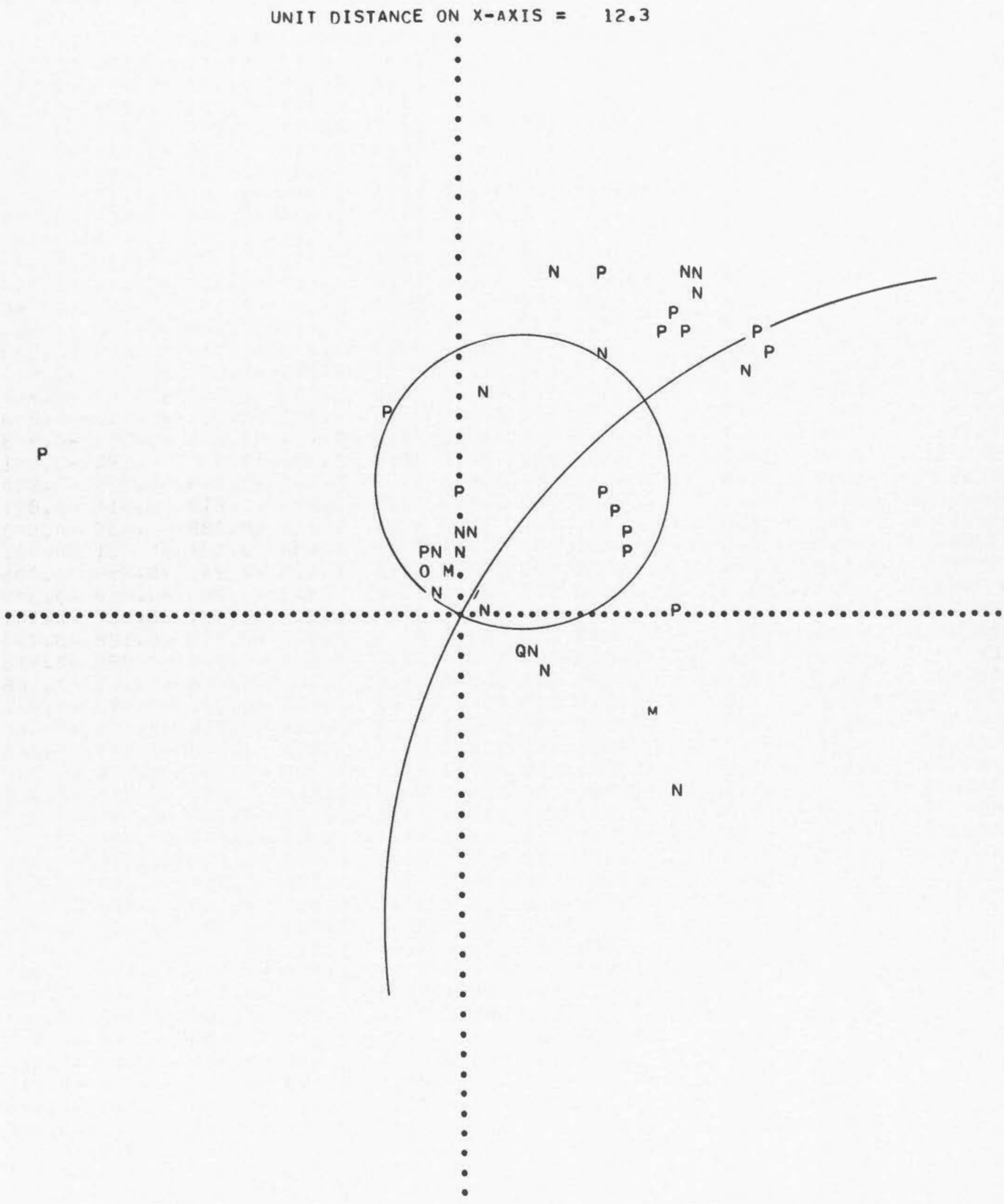
UNIT DISTANCE ON X-AXIS = 12.3



349

APRIL 29, 1954 H = 11.34.34 28.5N 113W DEPTH NORMAL M = 7.5

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION	DIR. COSINES	
ALICANTE	25.0	14.0		.006	100	46.6	19.6	2.806	-0.231	.244	-0.942
BASEL	19.8	16.3	W	.021	-100	35.7	19.8	2.773	-0.275	.198	-0.941
BERKELEY	-2.8	2.1	W	-0.169	100	322.7	69.6	.372	-0.745	-0.568	-0.349
BOGOTA	16.2	-4.6		-0.270	-100	115.4	34.3	1.467	.242	.509	-0.826
BOULDER	-0.5	1.6		-0.751	-100	348.7	77.3	.225	-0.957	-0.191	-0.220
BOZEMAN	.5	4.0		-0.475	-100	4.6	61.3	.547	-0.874	.071	-0.480
BUTTE	.1	4.1		-0.475	-100	1.0	60.7	.562	-0.872	.015	-0.490
CALCUTTA	-37.6	49.1		.151	100	335.6	7.7	7.434	-0.121	-0.055	-0.991
CARTUJA	25.5	13.1		.003	1	49.0	19.9	2.761	-0.223	.257	-0.940
CHIHUAHU	2.2	.1	W	.686	-100	87.0	80.0	.177	-0.051	.983	-0.175
CHINCHIN	15.9	-4.7		-0.280	-100	116.4	34.7	1.446	.253	.509	-0.823
COLLEGE	-6.4	9.8		.098	100	338.8	34.7	1.446	-0.530	-0.206	-0.823
COLUMBIA	13.8	2.9		.071	100	70.6	39.8	1.199	-0.213	.604	-0.768
HUNGRY H	-0.4	6.2	W	-0.263	100	358.0	49.2	.862	-0.757	-0.027	-0.653
JERSEY	19.2	14.4		.013	100	38.3	21.6	2.529	-0.288	.228	-0.930
KARLSRUH	19.0	16.5	W	.022	-100	34.2	20.0	2.754	-0.282	.192	-0.940
KEW	18.0	14.8		.015	100	35.8	21.7	2.514	-0.300	.216	-0.929
KIRUNA	8.2	16.6	W	.037	-100	16.4	22.7	2.389	-0.370	.109	-0.923
LA PAZ	17.7	-8.8		-0.338	-100	130.2	27.8	1.892	.301	.357	-0.884
LEMBANG	-34.7	8.1		.369	100	291.4	18.2	3.046	-0.114	-0.290	-0.950
LEMBANG	-88.3	20.5		.190	100	291.4	7.4	7.741	-0.047	-0.119	-0.992
LISBON	24.2	12.0		-0.000	-100	50.0	21.2	2.581	-0.232	.277	-0.933
LWIRO	82.8	26.9		.020	100	61.3	7.4	7.708	-0.062	.113	-0.992
MINERAL	-2.5	2.7		-0.320	-100	331.4	67.0	.424	-0.808	-0.441	-0.391
MOUNT HA	-2.6	2.0		-0.189	-100	322.7	70.7	.349	-0.751	-0.572	-0.331
NELSON	-0.5	1.6		-0.753	-100	348.6	77.4	.222	-0.957	-0.192	-0.217
OAXACA	6.9	-2.7		-0.357	-100	123.9	55.9	.678	.462	.687	-0.561
OTTAWA	12.4	6.2		.020	100	50.0	37.1	1.324	-0.388	.461	-0.798
PASADENA	-1.5	1.2		-0.329	-100	323.1	78.1	.210	-0.783	-0.587	-0.206
POONA	-14.4	54.6		.125	100	351.1	7.5	7.623	-0.128	-0.020	-0.992
PUEBLA	5.4	-2.0	W	-0.252	100	121.6	62.7	.516	.465	.757	-0.459
QUETTA	.1	53.4		.112	1	.1	7.7	7.369	-0.134	.000	-0.991
RATHFARN	17.0	13.7		.010	100	36.2	23.1	2.348	-0.316	.231	-0.920
RESOLUTE	2.1	11.0		-0.039	-100	6.5	33.3	1.521	-0.546	.062	-0.836
REYKJAVI	11.7	12.6		-0.001	-100	28.9	26.8	1.977	-0.395	.218	-0.892
SALT LAK	.3	2.7		-0.609	-100	4.1	69.4	.376	-0.933	.067	-0.353
SAN JUAN	18.0	-0.5	W	-0.075	1	92.7	34.3	1.468	.026	.562	-0.826
SHASTA	-2.7	2.8	W	-0.276	100	330.1	66.0	.444	-0.792	-0.455	-0.406
STATE CO	13.2	5.0		.046	100	57.5	38.1	1.273	-0.331	.521	-0.787
TACUBAYA	4.9	-1.9	W	-0.263	1	122.7	64.3	.480	.487	.758	-0.433
TANANARI	140.1	36.8		.033	100	66.1	4.6	12.510	-0.032	.073	-0.997
TRIESTE	20.0	17.4	W	.025	-100	34.2	19.0	2.900	-0.270	.183	-0.945
UPPSALA	12.3	17.4		.035	100	22.7	21.0	2.607	-0.330	.138	-0.934
VERACRUZ	6.4	-2.0		-0.187	-100	117.3	59.4	.591	.395	.765	-0.509
WASHINGT	13.7	4.4		.052	100	61.3	38.0	1.279	-0.295	.540	-0.788


UNIT DISTANCE ON X-AXIS = 12.3

351

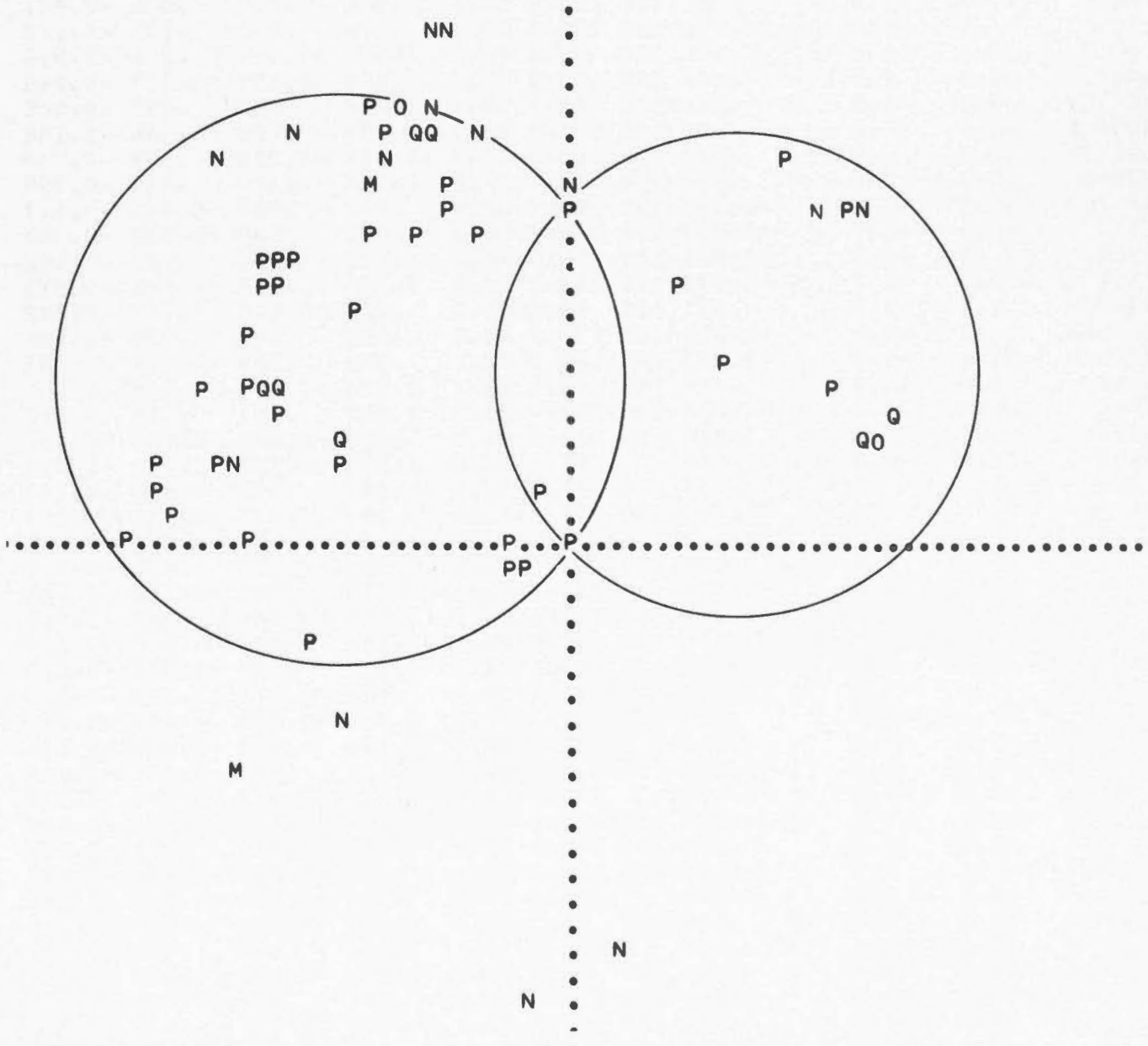
MAY 3, 1954 H = 15.29.40 51.5N 159.5E DEPTH NORMAL M = 6.7

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ALICANTE	-9.3	19.7		-0.020	-100	344.4	19.5	2.821	-0.322	-0.090	-0.943
ASHKHABA	-21.0	8.1		.109	100	302.9	26.1	2.045	-0.239	-0.369	-0.898
ATHENS	-17.7	15.7	W	.013	-100	326.2	21.1	2.597	-0.299	-0.200	-0.933
BANDONG	-22.1	-9.3		-0.229	-100	234.7	24.3	2.215	.238	-0.336	-0.911
BERKELEY	19.6	3.8		.103	100	71.7	30.7	1.686	-0.160	.484	-0.860
BESCANCO	-9.2	16.8		-0.001	-100	342.0	22.3	2.436	-0.361	-0.117	-0.925
BOMBAY	-26.9	2.7		.068	100	279.5	24.2	2.226	-0.068	-0.404	-0.912
BOULDER	20.9	4.9		.074	100	68.6	28.6	1.835	-0.175	.445	-0.878
BRISBANE	-3.0	-17.5		-0.591	-100	185.8	22.4	2.428	.379	-0.039	-0.925
CARTUJA	-8.2	20.2		-0.023	-1	346.6	19.2	2.867	-0.320	-0.076	-0.944
COLLEGE	10.4	6.6		.186	100	43.1	38.8	1.245	-0.457	.428	-0.780
COPENHAG	-8.5	14.5		.015	100	340.8	25.3	2.111	-0.404	-0.140	-0.904
DEHRA DU	-22.3	3.3	W	.149	-100	284.0	28.0	1.878	-0.114	-0.456	-0.883
EREVAN	-19.6	10.9		.070	100	313.3	24.4	2.199	-0.284	-0.301	-0.910
FRUNSE	-18.6	5.6		.186	100	297.0	30.5	1.700	-0.230	-0.452	-0.862
GHARM	-20.1	5.9		.158	100	296.2	28.6	1.833	-0.211	-0.430	-0.878
GROZNY	-18.4	10.7		.078	100	314.5	25.4	2.104	-0.301	-0.306	-0.903
HALIFAX	14.5	14.8		.002	100	30.0	22.9	2.364	-0.337	.195	-0.921
HELWAN	-23.2	14.6	W	.013	-1	316.8	19.9	2.763	-0.248	-0.233	-0.940
HONG KON	-16.9	-4.1		.027	100	247.5	33.8	1.492	.213	-0.514	-0.831
HUNGRY H	16.8	6.5		.134	100	56.9	31.4	1.636	-0.285	.437	-0.853
HYDERABA	-26.3	1.2		.066	100	274.3	24.9	2.150	-0.031	-0.421	-0.907
IRKUTSK	-14.8	3.8		.304	100	293.5	37.3	1.315	-0.241	-0.555	-0.796
JUJHNO S	-4.3	-0.7		.802	100	255.1	70.2	.360	.241	-0.909	-0.339
KABANSK	-14.6	3.5		.317	100	292.1	37.8	1.291	-0.231	-0.567	-0.791
KARLSRUH	-9.4	16.1		.005	100	340.9	23.1	2.349	-0.370	-0.128	-0.920
KEW	-6.3	16.4		-0.002	-100	347.1	23.3	2.316	-0.386	-0.088	-0.918
KIRUNA	-6.3	12.1		.020	100	342.8	29.8	1.747	-0.474	-0.147	-0.868
KODAIKAN	-28.9	.1		.014	100	270.2	23.0	2.359	-0.001	-0.390	-0.921
KULYAB	-20.6	5.8		.152	100	295.6	28.2	1.864	-0.204	-0.426	-0.881
KURILISK	-3.0	-1.2		.425	100	235.5	73.2	.302	.543	-0.789	-0.290
KYAKHTA	-15.1	3.1		.320	100	289.3	37.5	1.305	-0.201	-0.574	-0.794
LEMBANG	-22.2	-9.3		-0.229	-100	234.7	24.3	2.216	.237	-0.336	-0.912
LEMBERG	-12.8	13.9	W	.030	-100	331.5	24.6	2.186	-0.366	-0.198	-0.909
MAGADAN	-1.6	1.8	W	-0.266	100	332.0	74.1	.284	-0.849	-0.452	-0.274
MAKHACHK	-18.7	10.4		.082	100	313.2	25.6	2.090	-0.295	-0.315	-0.902
MANILLA	-15.3	-6.5		-0.161	-100	234.2	33.0	1.538	.319	-0.442	-0.838
MINERAL	18.9	4.3		.119	100	69.0	31.1	1.656	-0.186	.482	-0.856
MOSCOW	-12.6	11.6		.059	100	327.4	27.7	1.907	-0.391	-0.250	-0.886
MOUNT HA	19.8	3.9	W	.098	-100	71.8	30.4	1.704	-0.158	.481	-0.863
NARYN	-18.9	5.2		.189	100	294.8	30.4	1.704	-0.212	-0.459	-0.863
NELSON	21.0	4.9		.073	100	68.6	28.6	1.837	-0.174	.445	-0.878
NEW DELH	-23.0	3.2		.136	100	283.3	27.4	1.928	-0.106	-0.448	-0.888
NOUMEA	3.2	-16.1		-0.643	-100	173.3	24.1	2.237	.405	.048	-0.913
OBI GHAR	-20.3	5.9		.155	100	296.3	28.4	1.848	-0.211	-0.426	-0.880
OTTAWA	16.3	12.6	W	.024	-100	37.4	24.5	2.193	-0.330	.252	-0.910
PALISADE	17.9	13.3		.010	100	38.6	23.1	2.347	-0.306	.245	-0.920
PAVIA	-10.8	16.9		.001	100	339.2	21.9	2.490	-0.348	-0.132	-0.928
PETROPAV	-0.0	.1	W	-0.660	100	341.4	89.3	.012	-0.948	-0.319	-0.013
POONA	-26.8	2.4		.067	100	278.5	24.3	2.214	-0.061	-0.407	-0.911
POULKOVO	-10.2	12.2		.042	100	333.5	28.1	1.876	-0.421	-0.209	-0.883
QUETTA	-23.6	5.5		.113	1	291.6	25.7	2.075	-0.160	-0.404	-0.901
RESOLUTE	6.6	10.0		.044	100	21.3	34.0	1.484	-0.521	.203	-0.829
REYKJAVI	.3	14.2		-0.002	-100	.7	27.0	1.962	-0.454	.005	-0.891
ROME	-13.0	17.1		.000	100	335.8	21.1	2.588	-0.329	-0.148	-0.933
SALO	-11.1	16.6	W	.003	-100	338.4	22.1	2.460	-0.350	-0.138	-0.926
SCORESBY	.2	12.9		.000	100	.6	29.3	1.779	-0.490	.005	-0.872

351
MAY 3, 1954 H = 15.29.40 51.5N 159.5E DEPTH NORMAL M = 6.7

SHASTA	18.8	4.2		.123	100	69.1	31.4	1.639	-0.186	.486	-0.854
SHEMAKHA	-19.7	10.1		.083	100	310.9	25.2	2.128	-0.279	-0.321	-0.905
SHILLONG	-21.2	.0		.146	100	270.1	30.0	1.731	-0.001	-0.500	-0.866
STRASBOU	-9.4	16.3		.003	100	341.2	22.9	2.370	-0.368	-0.125	-0.921
STUTTGAR	-9.7	16.1		.005	100	340.3	23.0	2.352	-0.368	-0.132	-0.920
SVERDLOV	-13.7	8.8		.122	100	317.3	31.2	1.649	-0.381	-0.352	-0.855
TASHKENT	-19.4	6.3		.160	100	298.8	29.0	1.803	-0.234	-0.425	-0.875
TIFLIS T	-19.0	10.9		.073	100	314.1	24.9	2.156	-0.293	-0.302	-0.907
TRIESTE	-12.0	16.1		.008	100	336.3	22.4	2.427	-0.349	-0.153	-0.925
UGLEGORS	-4.3	-0.2		.894	100	264.5	70.7	.349	.090	-0.940	-0.331
UJHGOROD	-12.8	14.3	W	.026	-100	332.1	24.1	2.231	-0.361	-0.191	-0.913
UPPSALA	-8.3	13.4		.022	100	339.8	27.0	1.965	-0.426	-0.156	-0.891
VIENNA	-11.7	15.2	W	.015	-100	335.5	23.4	2.307	-0.362	-0.165	-0.918
WASHINGT	19.4	12.8	W	.009	-100	41.9	22.9	2.368	-0.290	.260	-0.921
ZURICH	-10.0	16.4		.003	100	340.3	22.5	2.409	-0.361	-0.129	-0.924

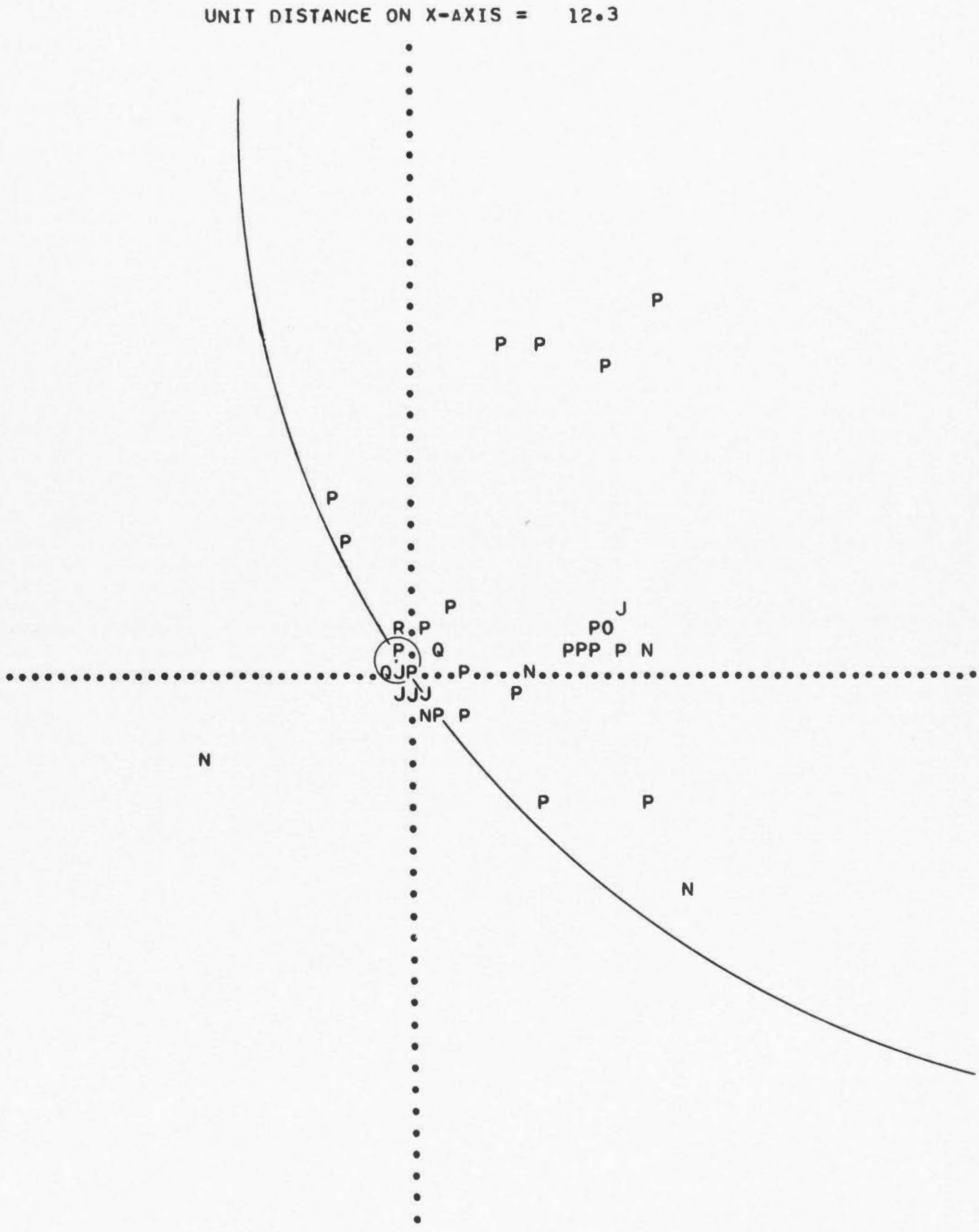
UNIT DISTANCE ON X-AXIS = 12.3

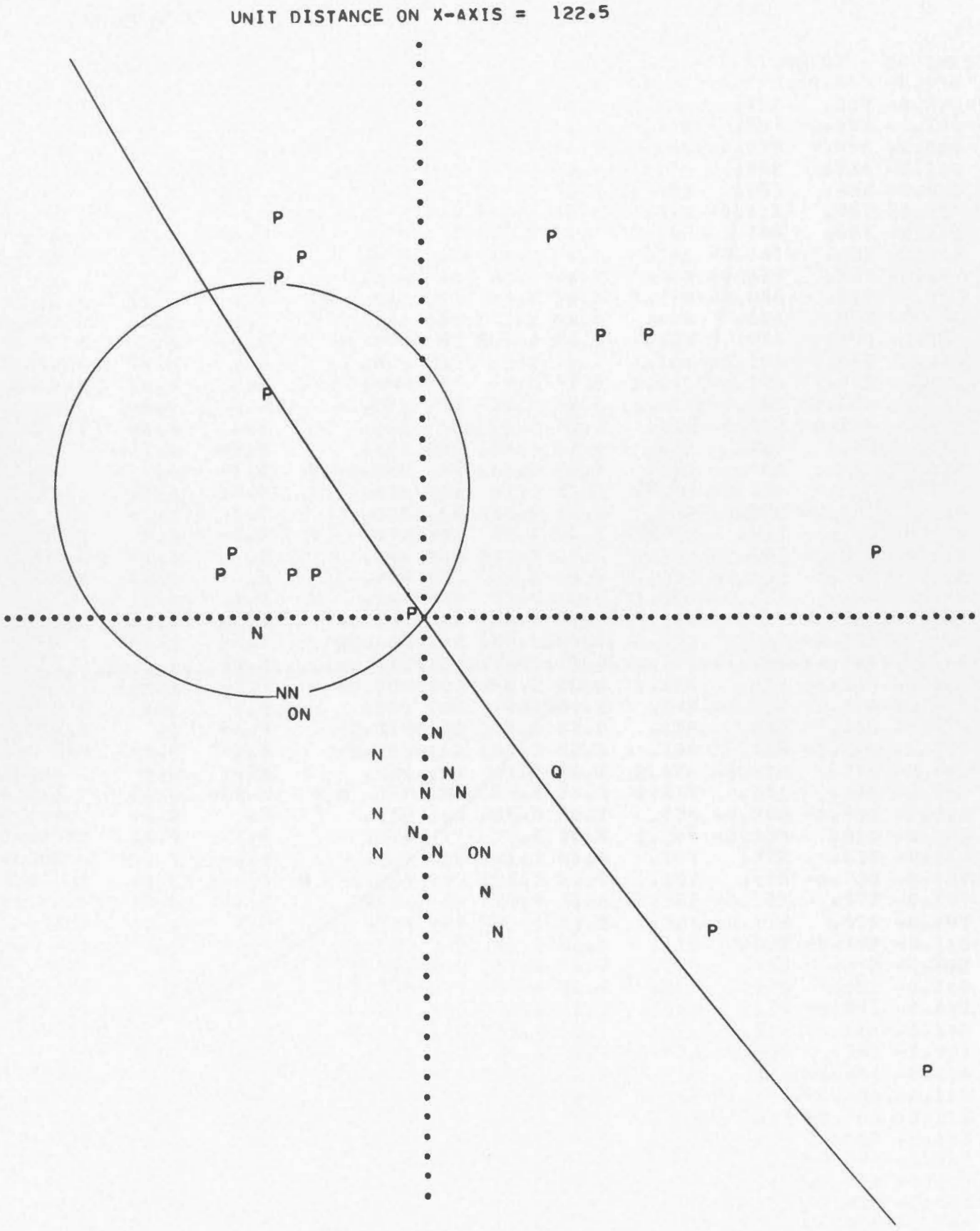


359

* JULY 6, 1954 H = 11.13.19 39.5N 118.5W DEPTH NORMAL M = 7

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ARCATA	-1.6	.3		.143	100	287.3	82.2	.137	-0.295	-0.946	-0.136
BARRETT	.6	-1.6		-0.326	-100	167.6	77.0	.231	.952	.209	-0.225
BERKELEY	-1.1	-0.4		-0.002	-100	239.4	83.8	.108	.507	-0.855	-0.108
BERMUDA	17.8	1.5	W	.772	-100	82.0	34.3	1.466	-0.079	.558	-0.826
BIG BEAR	.5	-1.2		-0.271	-100	166.3	80.3	.170	.958	.234	-0.168
BOGOTA	17.7	-5.9		.284	100	119.2	31.2	1.653	.253	.452	-0.856
BOULDER	3.8	.3		.767	100	83.0	72.6	.313	-0.117	.947	-0.299
BOULDER	1.1	-0.8		.045	100	140.7	81.7	.145	.766	.627	-0.145
BOZEMAN	1.9	1.4		.456	100	40.2	76.1	.246	-0.741	.627	-0.240
BUTTE	1.5	1.4		.358	100	32.7	76.9	.233	-0.819	.527	-0.227
CHAPEL H	15.6	1.0		.823	100	83.9	38.0	1.279	-0.066	.612	-0.788
CHIHUAHU	4.2	-2.3		.186	100	133.2	64.8	.469	.620	.659	-0.425
CHINA LA	.3	-0.9		-0.259	-100	169.0	83.0	.123	.974	.190	-0.123
CINCINNA	14.0	1.4		.886	100	80.2	40.7	1.164	-0.111	.642	-0.759
CLEVELAN	14.3	2.4		.899	100	74.3	39.5	1.211	-0.173	.613	-0.771
COLLEGE	-6.4	8.3		.058	100	335.6	38.4	1.263	-0.565	-0.256	-0.784
CORVALLI	-1.3	1.1		.000	100	325.6	79.7	.181	-0.812	-0.556	-0.179
DALLAS	7.8	-1.2		.721	100	104.5	56.6	.660	.209	.808	-0.551
DALTON	.4	-1.2	W	-0.295	100	169.0	80.3	.170	.968	.188	-0.168
DE BILT	15.1	14.4		.494	100	31.9	23.2	2.333	-0.334	.208	-0.919
ELMA	-1.2	1.7		.005	100	336.5	75.8	.252	-0.889	-0.387	-0.245
FAYETTEV	9.3	-0.2	W	.874	-100	92.4	52.7	.760	.033	.795	-0.605
FERNDALE	-1.7	.2		.144	100	283.2	82.0	.139	-0.225	-0.964	-0.138
FLORISSA	12.3	.9		.910	100	83.3	44.6	1.013	-0.082	.698	-0.712
FORDHAM	15.6	2.8	W	.864	-100	73.4	37.0	1.328	-0.172	.576	-0.799
FORT TEJ	-0.1	-1.1		-0.357	-100	183.7	81.5	.148	.987	-0.064	-0.147
FRESNO	-0.4	-0.7		-0.278	-100	199.5	84.4	.097	.938	-0.332	-0.097
HAIWEE	.2	-0.8		-0.274	-100	172.8	83.6	.112	.986	.125	-0.112
HAWAII	-15.8	-3.7		-0.893	-100	248.2	35.8	1.385	.217	-0.543	-0.811
HUNGRY H	1.1	1.9		.281	100	19.0	74.2	.282	-0.910	.313	-0.272
ISABELLA	.0	-0.9		-0.319	-100	179.7	82.8	.125	.992	.006	-0.125
KING RAN	-0.4	-1.0		-0.353	-100	193.0	82.1	.138	.965	-0.224	-0.137
KIRUNA	6.8	14.5		.424	100	15.5	25.7	2.078	-0.418	.116	-0.901
LA PAZ	21.0	-10.2	W	.058	-100	129.4	24.3	2.217	.261	.318	-0.912
MINERAL	-0.9	.2		.218	100	286.8	85.7	.075	-0.288	-0.955	-0.076
MORGANTO	14.9	1.9		.874	1	77.6	38.8	1.245	-0.135	.611	-0.780
NELSON	1.1	-0.8		.037	100	141.3	81.6	.147	.772	.618	-0.146
MOUNT HA	-1.0	-0.5		-0.105	-100	227.2	83.9	.107	.675	-0.730	-0.107
NEW YORK	15.6	2.7		.863	100	73.5	37.0	1.327	-0.171	.577	-0.799
PALISADE	15.6	2.8		.865	100	73.1	37.0	1.327	-0.175	.576	-0.799
PALO ALT	-1.1	-0.5		-0.070	-1	232.9	83.4	.115	.600	-0.792	-0.115
PALOMAR	.5	-1.4		-0.301	-100	167.6	78.9	.195	.958	.212	-0.192
PASADENA	.1	-1.2		-0.350	-100	177.0	80.4	.168	.985	.052	-0.166
RENO	-0.1	-0.0		.316	100	262.1	89.3	.012	.137	-0.991	-0.013
RIVERSID	.4	-1.2		-0.310	-100	170.4	80.1	.174	.971	.164	-0.172
ROME	19.2	16.6		.423	100	34.3	19.8	2.780	-0.279	.191	-0.941
SAN FRAN	-1.2	-0.4		-0.013	-100	239.3	83.5	.114	.508	-0.854	-0.114
SANTA BA	-0.4	-1.2		-0.385	-100	190.7	80.8	.162	.970	-0.184	-0.160
SANTA CL	-1.1	-0.5	W	-0.089	1	230.1	83.6	.112	.637	-0.763	-0.112
SASKATOO	2.8	2.9		.590	100	29.5	65.1	.464	-0.789	.447	-0.422
SEATTLE	-1.0	1.8		.017	100	342.2	75.6	.256	-0.922	-0.296	-0.248
SHASTA	-1.1	.2		.181	100	290.3	84.3	.099	-0.345	-0.934	-0.099
SITKA	-5.1	5.9		.047	1	333.3	47.5	.917	-0.658	-0.331	-0.676
STATE CO	15.0	2.4	W	.878	-100	74.7	38.2	1.272	-0.164	.596	-0.786
TACUBAYA	10.1	-6.0		.081	1	135.0	40.7	1.164	.460	.461	-0.759
TERRE HA	13.3	1.3		.905	100	80.3	42.3	1.098	-0.113	.664	-0.740
TINEMAHA	.1	-0.6		-0.258	-100	175.5	85.4	.081	.994	.078	-0.081
TUCSON	2.4	-1.6		.098	100	137.7	73.4	.297	.709	.645	-0.285
UKIAH	-1.4	-0.1	W	.142	-1	262.9	83.4	.115	.123	-0.986	-0.115
UPPSALA	10.1	15.3		.436	100	21.3	23.8	2.267	-0.376	.146	-0.915
VICTORIA	-1.2	2.0		.026	100	339.9	73.7	.291	-0.902	-0.330	-0.280


UNIT DISTANCE ON X-AXIS = 12.3


UNIT DISTANCE ON X-AXIS = 122.5
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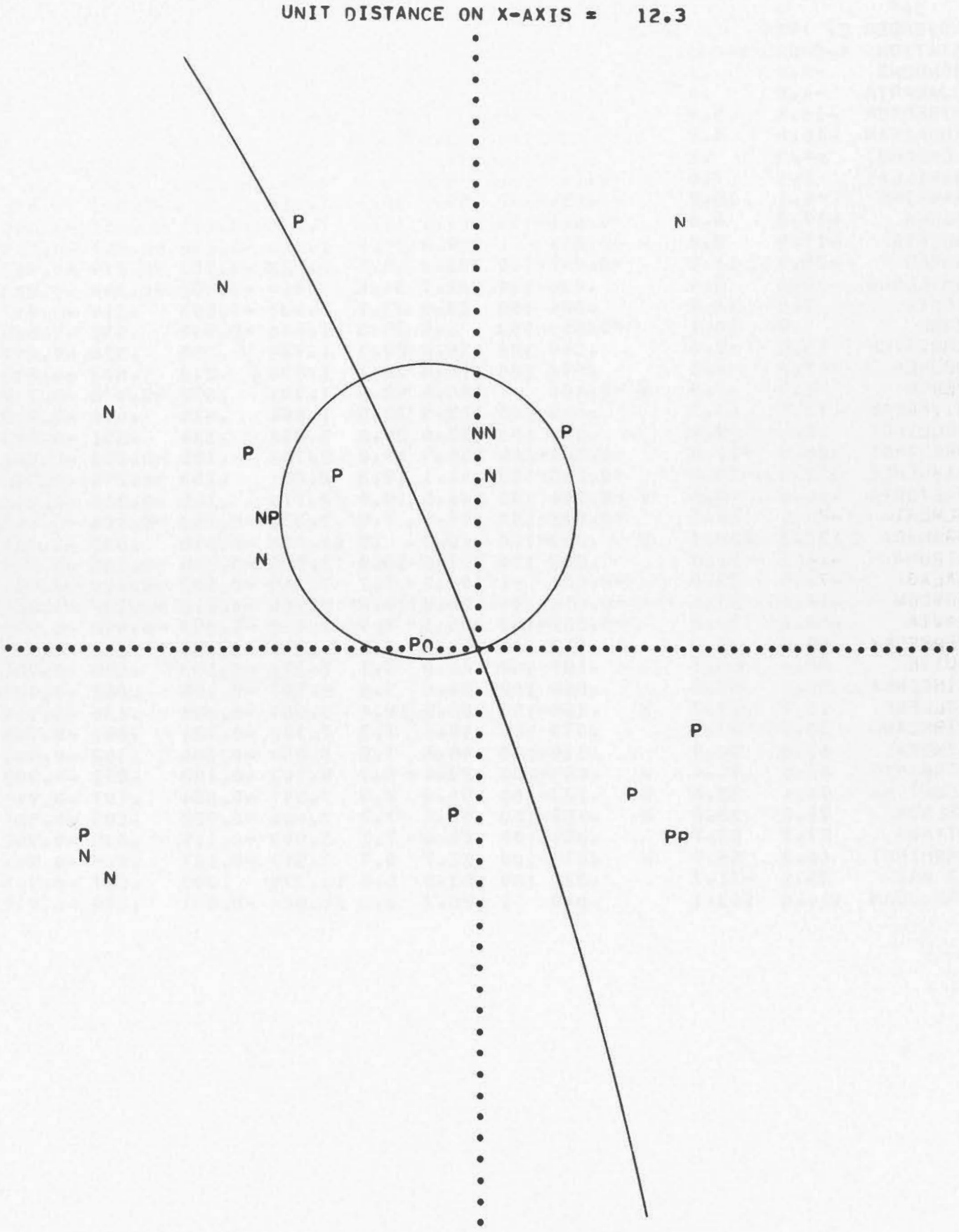
367
NOVEMBER 2, 1954 H = 08.24.10 8.0S 119.0E DEPTH NORMAL M = 6.6

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
BANDONG	-4.2	.2	W	.330	-100	275.1	70.9	.346	-0.083	-0.941	-0.328
DJAKARTA	-4.5	.4		.360	100	278.0	69.5	.374	-0.130	-0.927	-0.351
HYDERABA	-15.8	5.9		.007	100	302.5	33.2	1.526	-0.294	-0.462	-0.836
KODAIKAN	-16.8	4.2		-0.029	-100	293.0	33.9	1.487	-0.218	-0.514	-0.830
LEMBANG	-4.2	.2		.326	100	274.9	70.8	.347	-0.081	-0.941	-0.329
MANILLA	1.1	7.5		-0.151	-100	5.0	43.8	1.041	-0.690	.060	-0.721
NANKING	-0.1	10.2		-0.054	-100	359.7	35.3	1.411	-0.578	-0.003	-0.816
POONA	-17.0	6.0		-0.012	-100	301.1	31.7	1.616	-0.271	-0.451	-0.850
QUETTA	-17.9	8.8	W	-0.017	1	309.8	27.7	1.904	-0.298	-0.357	-0.885
SAFED	-28.9	11.2		-0.065	-100	303.3	19.5	2.823	-0.183	-0.279	-0.943
SHILLONG	-10.8	8.4		.036	100	322.7	34.6	1.449	-0.452	-0.344	-0.823
TOKYO	7.3	10.2		.004	100	23.0	33.1	1.531	-0.503	.214	-0.837
ZOSE	.9	10.1		-0.059	-100	3.0	35.5	1.400	-0.580	.030	-0.814
CHRISTCH	15.0	-9.4		.349	100	136.6	29.3	1.785	.355	.336	-0.872
NOUMEA	17.3	-4.3		.594	100	112.8	33.1	1.533	.212	.503	-0.838
PERTH	-1.5	-7.9	W	-0.481	1	186.6	42.4	1.094	.670	-0.078	-0.738
RIVERVIE	12.1	-7.3		.445	100	135.5	35.5	1.404	.414	.406	-0.815
WELLINGT	16.0	-9.0		.377	100	133.6	29.0	1.806	.334	.351	-0.875
GRAHAMST	-28.5	-11.0		-0.300	-100	236.9	19.8	2.783	.185	-0.283	-0.941
KIMBERLE	-30.6	-10.0		-0.285	-100	241.1	19.3	2.851	.160	-0.290	-0.944
PRETORIA	-30.6	-8.6	W	-0.284	100	244.5	19.8	2.770	.146	-0.306	-0.941
ALMERIA	-70.9	32.7		-0.032	-100	307.9	7.8	7.336	-0.083	-0.106	-0.991
GRANADA	132.3	438.7	W	.029	-100	10.1	.9	61.466	-0.016	.003	-1.000
KIRUNA	-14.1	20.3		.002	100	337.6	18.3	3.023	-0.290	-0.120	-0.949
MALAGA	-70.9	33.0		-0.031	-1	308.2	7.7	7.365	-0.083	-0.106	-0.991
MOSCOW	-19.9	17.4		-0.016	-100	326.0	19.0	2.900	-0.270	-0.182	-0.945
PAVIA	-62.0	36.8		-0.022	-100	315.1	7.9	7.168	-0.098	-0.098	-0.990
BERKELEY	69.8	32.9		.123	100	51.5	7.8	7.289	-0.085	.106	-0.991
BUTTE	58.1	40.9		.107	100	40.0	7.7	7.373	-0.103	.086	-0.991
CINCINNA	50.8	50.8		.088	100	30.6	7.0	8.147	-0.105	.062	-0.993
COLLEGE	15.9	19.7	W	.108	-100	25.5	18.4	3.007	-0.285	.136	-0.949
KIRKLAND	30.5	53.5		.073	100	18.6	7.3	7.782	-0.121	.041	-0.992
MINERAL	67.0	34.9		.119	100	48.6	7.8	7.288	-0.090	.102	-0.991
MORGANTO	43.6	54.4	W	.080	-100	25.4	6.9	8.303	-0.108	.051	-0.993
MOUNT HA	70.4	32.6	W	.123	-100	51.9	7.8	7.301	-0.084	.107	-0.991
NELSON	71.5	33.0	W	.122	-100	52.0	7.7	7.404	-0.082	.105	-0.991
OTTAWA	27.7	55.7		.069	100	16.4	7.1	8.003	-0.119	.035	-0.992
WASHINGT	40.2	56.9	W	.075	-100	22.7	6.7	8.512	-0.107	.045	-0.993
LA PAZ	35.1	-71.7		.022	100	163.8	5.5	10.295	.093	.027	-0.995
SAN JUAN	114.0	143.1		.048	1	25.2	2.6	21.826	-0.041	.019	-0.999


UNIT DISTANCE ON X-AXIS = 12.3
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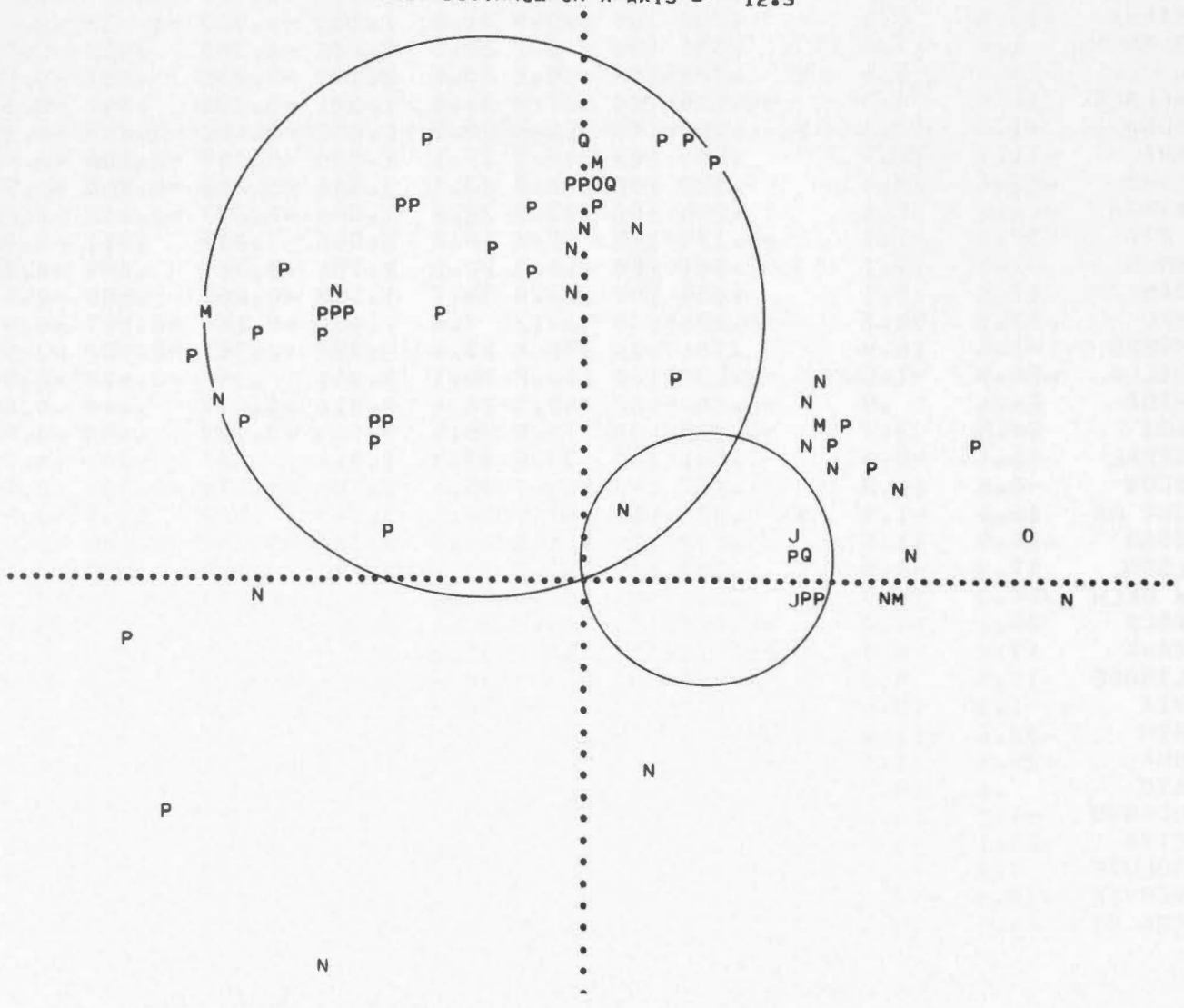
373
JANUARY 13, 1955 H = 02.03.43 53N 167.5W DEPTH NORMAL M = 6.7

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ALICANTE	6.1	20.0		.013	1	10.2	19.6	2.804	-0.330	.059	-0.942
BASEL	1.8	17.8		.059	100	3.4	22.1	2.465	-0.375	.022	-0.927
BERKELEY	16.2	-1.3		.075	100	97.6	36.8	1.335	.079	.594	-0.801
BESCANCO	2.4	17.9		.055	100	4.5	22.0	2.474	-0.373	.029	-0.927
BOGOTA	34.2	2.0		-0.136	-100	84.5	19.6	2.807	-0.032	.334	-0.942
BOMBAY	-29.2	11.9		-0.004	-100	304.6	19.1	2.894	-0.185	-0.269	-0.945
BOZEMAN	16.4	2.0	W	.056	-100	78.2	36.1	1.369	-0.121	.577	-0.808
BUTTE	16.3	1.9		.061	100	78.7	36.5	1.353	-0.117	.583	-0.804
CALCUTTA	-27.7	7.5		-0.002	-100	294.6	21.9	2.491	-0.155	-0.339	-0.928
CARTUJA	7.7	20.0		.005	1	12.8	19.5	2.829	-0.325	.074	-0.943
CHINCHIN	33.8	1.6	W	-0.136	100	85.5	19.9	2.767	-0.027	.339	-0.941
CLEVELAN	19.0	5.4		-0.011	-100	64.6	30.1	1.721	-0.216	.453	-0.865
COLLEGE	3.2	2.9		-0.245	-100	32.5	64.3	.481	-0.760	.484	-0.434
COLUMBIA	21.6	4.6	W	-0.028	100	70.4	28.1	1.874	-0.158	.443	-0.882
COPENHAG	.0	15.7	W	.100	-100	.0	24.7	2.171	-0.418	.000	-0.908
DJAKARTA	-35.4	-2.6	W	-0.287	100	262.9	19.0	2.910	.040	-0.322	-0.946
FERGANA	-18.8	11.9		.144	100	316.9	24.0	2.240	-0.297	-0.279	-0.913
GORIS	-13.9	17.1		.094	100	334.3	20.9	2.617	-0.322	-0.155	-0.934
HALIFAX	18.2	8.7		-0.022	-100	51.1	27.6	1.911	-0.291	.361	-0.886
HONOLULU	4.6	-9.0		-0.565	-100	163.0	37.6	1.298	.583	.178	-0.792
HUNGRY H	15.7	2.3		.062	100	76.0	37.2	1.318	-0.147	.586	-0.797
HYDERABA	-30.4	10.1	W	-0.023	100	299.3	19.3	2.851	-0.162	-0.288	-0.944
IRKUTSK	-15.5	6.9		.298	100	306.9	32.3	1.582	-0.321	-0.427	-0.845
KABANSK	-15.6	6.6		.298	100	305.5	32.6	1.561	-0.313	-0.439	-0.842
KARLSRUH	1.4	17.4		.066	100	2.7	22.6	2.406	-0.383	.018	-0.923
KEW	4.0	16.4	W	.060	-100	8.2	23.6	2.292	-0.396	.057	-0.917
KIRKLAND	16.9	6.3		-0.006	-100	57.6	31.5	1.631	-0.280	.441	-0.853
KIRUNA	-1.3	13.1	W	.161	-100	356.5	28.9	1.807	-0.483	-0.029	-0.875
KSARA	-11.7	19.7		.057	100	340.7	19.1	2.886	-0.309	-0.108	-0.945
KULYAB	-19.6	12.4		.123	100	316.9	23.1	2.346	-0.286	-0.268	-0.920
KYAKHTA	-16.1	6.4		.280	100	303.9	32.2	1.585	-0.297	-0.443	-0.846
LA PAZ	37.3	-1.1		-0.175	-100	92.8	18.2	3.046	.015	.311	-0.950
LISBON	9.7	19.1		.001	100	16.8	20.0	2.751	-0.327	.099	-0.940
LOGAN	17.0	1.1		.059	100	84.0	35.7	1.392	-0.061	.580	-0.812
LWIRO	-32.5	50.7		-0.155	-100	339.2	7.6	7.482	-0.124	-0.047	-0.991
LEMBERG	-3.8	16.9		.101	100	352.4	23.0	2.357	-0.387	-0.052	-0.921
MANILLA	-24.9	-1.5		-0.233	-100	264.2	26.1	2.041	.045	-0.438	-0.898
MERIDA	24.6	.9		-0.061	-100	86.3	26.4	2.010	-0.029	.444	-0.895
MIAMI	24.5	3.7		-0.053	-100	75.8	25.9	2.063	-0.107	.423	-0.900
MINERAL	16.1	-0.6		.086	100	93.5	37.3	1.314	.037	.604	-0.796
MOSCOW	-6.6	14.8		.157	100	345.2	25.4	2.109	-0.414	-0.109	-0.904
MOUNT HA	16.4	-1.3	W	.071	-100	97.7	36.6	1.347	.080	.590	-0.803
MYRGAB	-19.9	11.5		.132	100	314.3	23.8	2.266	-0.282	-0.289	-0.915
NELSON	17.3	-0.6		.053	100	93.5	35.2	1.418	.035	.575	-0.817
NEW DELH	-24.9	10.9		.056	100	306.4	21.6	2.529	-0.218	-0.296	-0.930
OAXACA	24.1	-1.2		-0.074	-100	94.8	26.9	1.971	.038	.451	-0.892
OTTAWA	17.9	6.7		-0.013	-100	57.6	30.0	1.731	-0.268	.422	-0.866
PALISADE	19.6	6.6	W	-0.022	100	60.2	28.5	1.841	-0.237	.414	-0.879
PAVIA	1.3	18.6	W	.052	-100	2.4	21.3	2.567	-0.363	.015	-0.932
PERTH	-32.4	-11.0	W	-0.459	1	240.1	18.2	3.046	.155	-0.270	-0.950
POONA	-29.5	11.6		-0.008	-100	303.6	19.1	2.890	-0.181	-0.272	-0.945
PRATO	.6	19.0	W	.050	-100	1.0	20.9	2.623	-0.356	.006	-0.934
POULKOVO	-4.2	14.4		.155	100	350.3	26.3	2.021	-0.437	-0.075	-0.896
QUETTA	-23.1	13.7		.063	100	314.9	20.5	2.669	-0.248	-0.248	-0.936
RESOLUTE	7.2	8.8		.036	100	26.0	36.6	1.348	-0.535	.261	-0.803
RIVERVIE	-19.8	-17.8		-0.601	-100	213.4	18.8	2.940	.269	-0.177	-0.947
ROCCA DI	-0.1	19.6		.045	100	359.8	20.3	2.708	-0.346	-0.001	-0.938

373
JANUARY 13, 1955 H = 02.03.43 53N 167.5W DEPTH NORMAL M = 6.7

ROME	.0	19.6		.045	100	.0	20.3	2.702	-0.347	.000	-0.938
SALO	.8	18.5	W	.056	-100	1.4	21.4	2.550	-0.365	.009	-0.931
SALT LAK	17.1	.8		.058	100	85.3	35.5	1.400	-0.048	.579	-0.814
SAN JUAN	29.5	6.4	W	-0.090	1	70.0	21.3	2.567	-0.124	.341	-0.932
SEVEN FA	17.3	7.6		-0.015	-100	53.3	29.6	1.763	-0.294	.396	-0.870
SHASTA	15.8	.8		.086	100	85.0	37.6	1.297	-0.053	.608	-0.792
SHAWINIG	17.5	7.3		-0.014	-100	54.9	29.8	1.749	-0.285	.406	-0.868
SHILLONG	-25.9	6.8		.022	100	293.9	23.4	2.312	-0.161	-0.363	-0.918
STALINAB	-19.2	12.6	W	.127	-100	317.9	23.1	2.340	-0.292	-0.263	-0.920
STATE CO	19.5	5.9	W	-0.018	1	62.8	29.2	1.786	-0.223	.434	-0.873
SVERDLOV	-10.8	12.5		.220	100	332.8	27.4	1.931	-0.409	-0.210	-0.888
TACUBAYA	22.9	-1.2		-0.058	-100	95.1	28.1	1.875	.042	.469	-0.882
TASHKENT	-18.0	12.3		.148	100	319.1	24.0	2.245	-0.307	-0.266	-0.914
TIFLIS T	-12.6	16.9		.103	100	336.1	21.5	2.545	-0.334	-0.148	-0.931
TRIESTE	-0.5	18.5		.062	100	359.1	21.4	2.549	-0.365	-0.006	-0.931
TUCSON	18.2	-0.8		.032	100	94.0	33.9	1.488	.039	.556	-0.830
UGLEGORS	-15.2	2.2		.205	100	283.5	38.0	1.277	-0.144	-0.599	-0.788
UPPSALA	-1.2	14.8	W	.126	-100	357.2	26.1	2.043	-0.439	-0.022	-0.898
VERACRUZ	23.7	-0.7		-0.062	-100	92.8	27.4	1.933	.022	.459	-0.888
VIENNA	-1.4	17.7		.078	1	357.4	22.3	2.438	-0.379	-0.017	-0.925
ZURICH	1.4	17.9		.060	100	2.7	22.0	2.473	-0.374	.018	-0.927

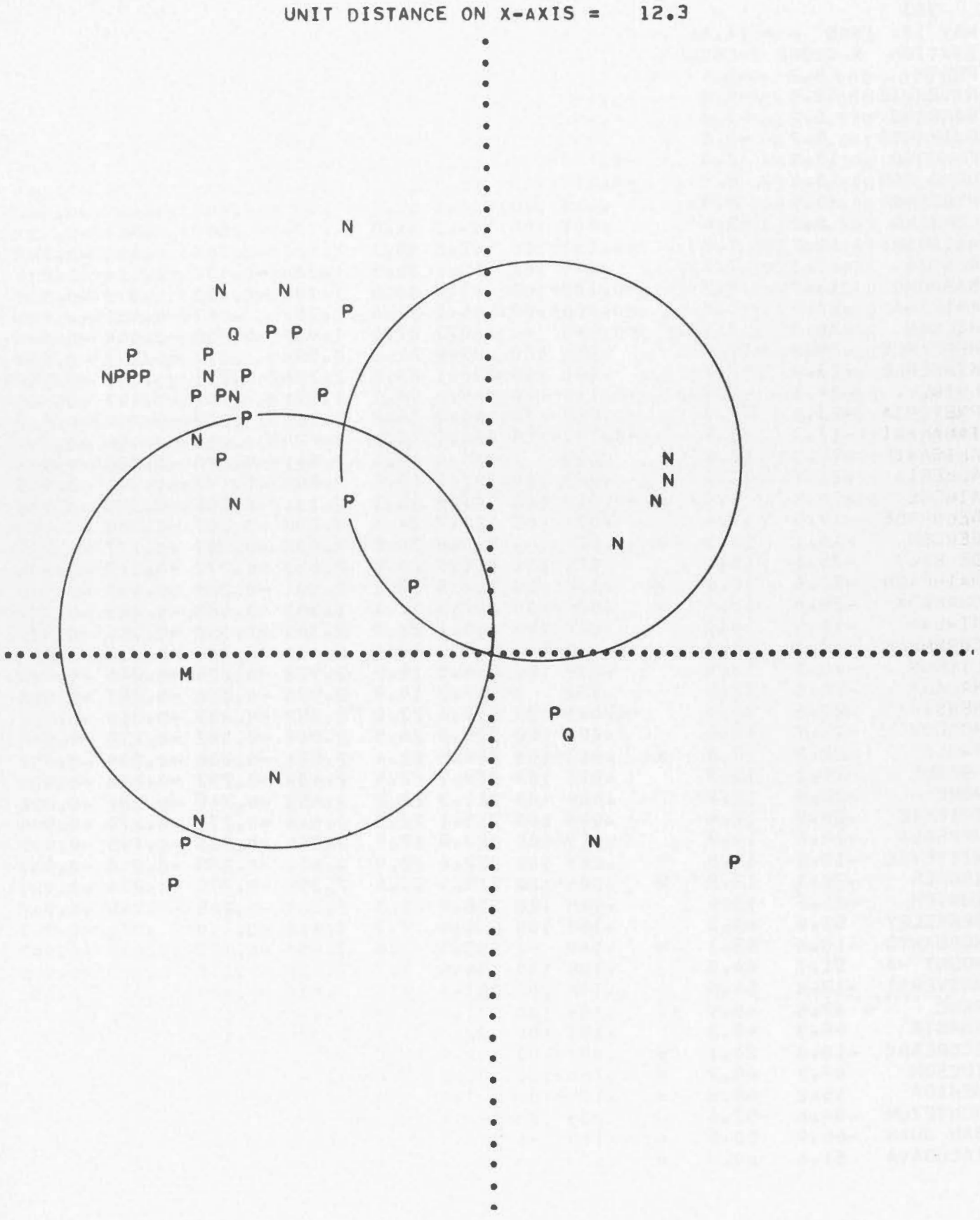
UNIT DISTANCE ON X-AXIS = 12.3



383

MAY 17, 1955 H = 14.40.49 6.5N 94E DEPTH NORMAL M = 7.2

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
PERTH	8.2	-9.4	W	.782	-1	152.7	34.4	1.462	.501	.259	-0.826
RIVERVIE	18.9	-9.6		.654	100	130.7	26.1	2.039	.287	.334	-0.898
BANDONG	6.2	-3.6		.950	100	134.0	54.8	.706	.567	.588	-0.577
DJAKARTA	5.2	-3.0		.958	100	134.1	59.5	.588	.600	.619	-0.507
FUKUOKO	12.9	7.3		-0.179	-100	46.4	34.5	1.455	-0.390	.410	-0.824
HONG KON	10.4	5.3		-0.315	-100	49.0	41.7	1.124	-0.436	.502	-0.747
HYDERABA	-6.5	2.9		.113	100	307.0	56.5	.661	-0.502	-0.666	-0.552
LEMBANG	6.2	-3.6		.951	100	134.1	54.8	.704	.569	.587	-0.576
MATSUSHI	14.2	7.8		-0.132	-100	47.0	32.3	1.582	-0.364	.390	-0.845
QUETTA	-11.3	7.0		.005	100	316.2	36.8	1.338	-0.432	-0.414	-0.801
SAPPORO	13.7	9.3		-0.120	-100	41.0	30.5	1.700	-0.383	.333	-0.862
ASTRIDA	-23.9	-1.5		-0.116	-100	264.1	27.0	1.964	.047	-0.451	-0.891
HELWAN	-20.3	7.0		-0.040	-1	300.1	27.6	1.915	-0.232	-0.400	-0.887
HERMANUS	-25.0	-10.8		.056	100	233.8	21.6	2.528	.217	-0.297	-0.930
KIMBERLE	-23.8	-8.7		.001	100	238.1	23.6	2.286	.211	-0.340	-0.916
LWIRO	-24.3	-1.4		-0.110	-100	264.6	26.7	1.991	.042	-0.447	-0.894
PRETORIA	-23.0	-7.8		-0.029	-100	240.2	24.8	2.163	.209	-0.364	-0.908
TANANARI	-17.3	-5.9		-0.157	-100	240.1	31.6	1.628	.260	-0.454	-0.852
ALICANTE	-27.3	12.8		.020	1	308.4	19.4	2.841	-0.206	-0.260	-0.943
ALMERIA	-28.2	12.6		.022	100	307.1	19.1	2.889	-0.197	-0.261	-0.945
ATHENS	-20.6	9.5	W	-0.012	100	307.9	25.1	2.134	-0.260	-0.335	-0.906
BELGRADE	-19.5	11.4		.001	100	314.7	24.1	2.238	-0.287	-0.290	-0.913
BERGEN	-16.1	16.5	W	.022	-1	330.0	20.8	2.635	-0.307	-0.177	-0.935
DE BILT	-20.1	15.1		.021	100	321.7	20.6	2.653	-0.277	-0.219	-0.936
RATHFARN	-20.8	16.9	W	.030	-100	323.8	19.1	2.881	-0.265	-0.194	-0.945
GRANADA	-29.8	13.4	W	.029	-100	307.3	18.1	3.061	-0.188	-0.247	-0.951
KIRUNA	-10.9	16.1		.010	100	338.1	22.7	2.387	-0.358	-0.144	-0.922
COPENHAG	-17.2	14.7		.016	100	325.3	22.0	2.471	-0.308	-0.213	-0.927
LISBON	-28.0	13.9		.028	100	310.0	18.5	2.980	-0.204	-0.244	-0.948
MALAGA	-28.5	12.8		.023	1	307.3	18.9	2.924	-0.196	-0.257	-0.946
MESSINA	-22.8	10.4		-0.003	-100	307.6	23.0	2.352	-0.239	-0.310	-0.920
MOSCOW	-12.7	12.5		.002	100	329.0	26.5	2.008	-0.382	-0.230	-0.895
PAVIA	-22.2	13.0	W	.013	-100	314.6	21.4	2.551	-0.256	-0.260	-0.931
PRAGUE	-19.1	13.3		.011	100	319.7	22.5	2.408	-0.292	-0.248	-0.924
ROME	-22.5	11.7		.006	100	311.3	22.2	2.450	-0.249	-0.284	-0.926
TRIESTE	-20.9	12.4		.008	100	315.1	22.5	2.416	-0.271	-0.270	-0.924
UPPSALA	-14.6	14.9		.013	100	329.8	22.8	2.376	-0.335	-0.195	-0.922
WITTEVEE	-19.6	15.0		.020	100	322.4	20.9	2.614	-0.283	-0.218	-0.934
ZAGREB	-20.3	12.2	W	.006	-100	315.4	23.0	2.355	-0.278	-0.274	-0.921
ZURICH	-21.5	13.6		.015	100	316.9	21.3	2.567	-0.265	-0.248	-0.932
BERKELEY	51.6	44.3		.188	100	34.6	7.7	7.418	-0.110	.076	-0.991
MORGANTO	-10.6	55.1	W	.148	-1	353.5	7.4	7.652	-0.129	-0.015	-0.992
MOUNT HA	51.7	44.3		.189	100	34.6	7.7	7.432	-0.110	.076	-0.991
UNIVERSI	-13.6	54.6		.146	100	351.6	7.5	7.610	-0.129	-0.019	-0.991
RENO	47.5	45.9		.184	100	31.5	7.7	7.420	-0.114	.070	-0.991
SHASTA	48.3	45.2		.185	100	32.3	7.7	7.380	-0.113	.072	-0.991
SCORESBY	-10.8	20.1	W	.031	-100	342.4	19.0	2.912	-0.310	-0.098	-0.946
TUCSON	47.2	48.2	W	.184	-100	30.1	7.4	7.691	-0.111	.065	-0.992
MERIDA	15.2	69.8	W	.175	-100	7.3	5.9	9.707	-0.102	.013	-0.995
MONTEZUM	-94.6	-57.6		.238	100	224.2	5.2	11.085	.064	-0.063	-0.996
SAN JUAN	-66.9	50.5	W	.150	-1	321.9	6.4	8.853	-0.088	-0.069	-0.994
TACUBAYA	51.4	60.9	W	.192	-100	26.6	6.1	9.389	-0.095	.047	-0.994


UNIT DISTANCE ON X-AXIS = 12.3

385 COMBINATION
MAY 30, 1955 H = 12.31.41 24.5N 142.5E DEPTH 600 KM. M = 7.2

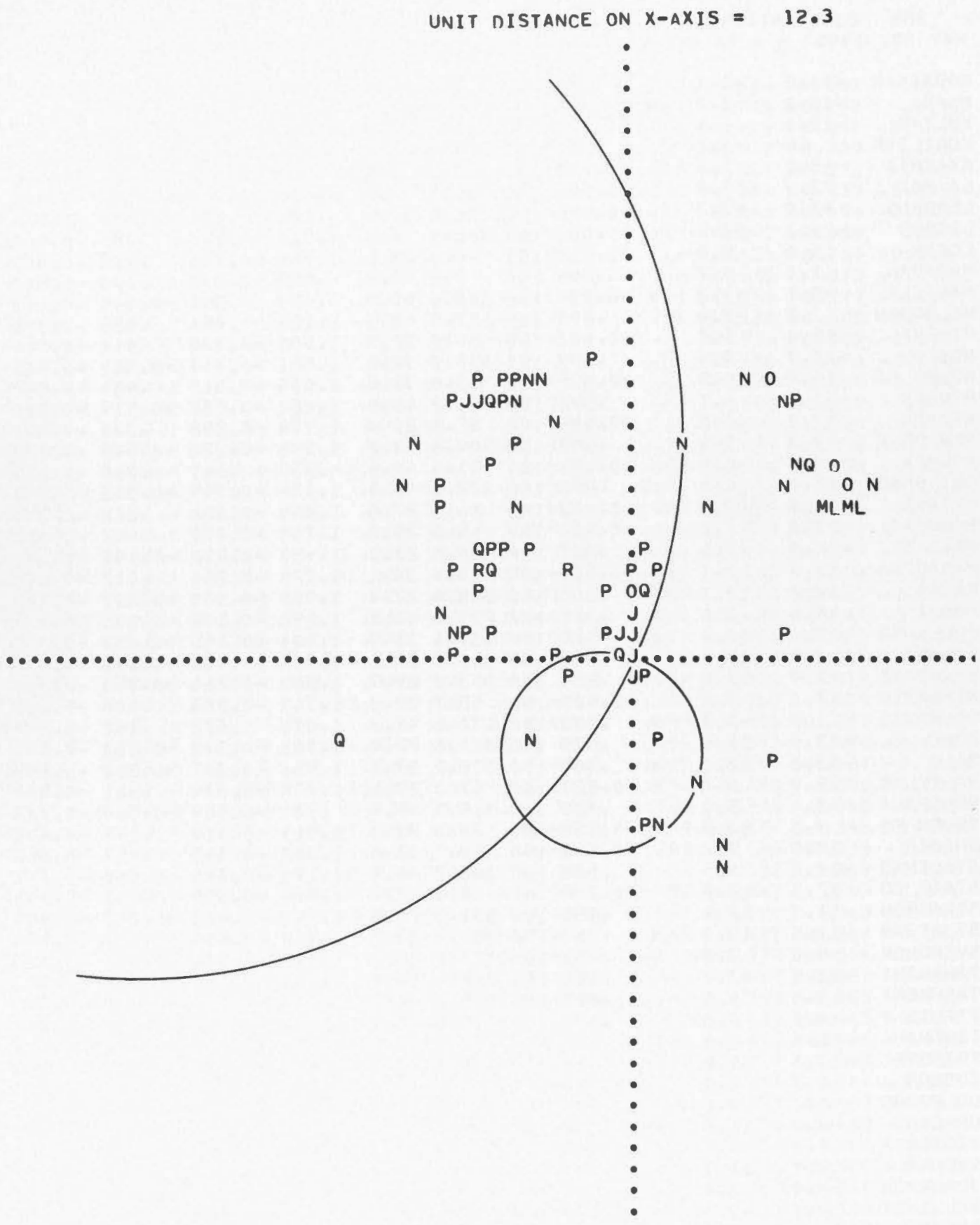
STATION	X-COORD	Y-COORD	AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ABASHIRI	.3	2.7	.559	1	3.9	69.5	.373	-0.935	.063	-0.350
AIKAWA	-0.4	1.0	.917	100	345.8	82.2	.136	-0.960	-0.243	-0.136
AJIRO	.3	-0.6	.816	100	344.9	94.9	.085	-0.962	-0.259	.085
AOMORI	-0.3	1.8	.781	100	355.3	75.7	.255	-0.966	-0.079	-0.248
CHICHIBU	.1	-0.1	.851	100	346.2	91.1	.018	-0.971	-0.239	.019
CHOSI	.1	-0.4	.759	100	353.0	93.4	.058	-0.991	-0.121	.059
FUKUI	-0.3	.4	.927	100	336.0	86.8	.055	-0.912	-0.406	-0.055
FUKUOKO	-1.2	.7	.722	100	312.8	82.2	.137	-0.673	-0.727	-0.136
FUKUSHIM	-0.1	.7	.818	100	352.9	84.4	.098	-0.988	-0.123	-0.098
FUNATSU	.2	-0.3	.846	100	344.2	92.7	.047	-0.961	-0.271	.047
HATINOHE	-0.1	1.7	.743	100	357.3	76.4	.241	-0.971	-0.046	-0.235
HIKONA	.0	-0.0	.885	100	334.4	90.2	.003	-0.902	-0.433	.004
HIROSHIM	-0.7	.5	.817	100	320.2	84.8	.090	-0.765	-0.638	-0.090
IIDA	.1	-0.2	.873	100	340.6	91.6	.027	-0.943	-0.331	.028
IZUHARA	-1.8	1.0	.759	100	312.7	78.9	.196	-0.665	-0.722	-0.193
KAGOSHIM	-0.5	.2	.494	100	305.9	86.8	.055	-0.585	-0.809	-0.056
KAKIOKA	.0	-0.1	.808	100	350.8	90.9	.015	-0.987	-0.160	.016
KAMEYAMA	.2	-0.2	.859	100	334.1	92.1	.036	-0.899	-0.436	.036
KOBE	.0	-0.0	.851	100	329.2	90.4	.006	-0.859	-0.511	.007
KOCHI	.1	-0.0	.741	100	320.6	90.5	.008	-0.772	-0.635	.008
KOFU	.1	-0.2	.859	100	343.7	91.8	.031	-0.959	-0.280	.032
KUMAGAYA	.0	-0.1	.844	100	347.5	90.7	.011	-0.976	-0.216	.012
KUMAMOTO	-0.9	.5	.648	100	310.9	84.5	.095	-0.651	-0.753	-0.096
KUSHIRO	.3	2.5	.554	100	4.4	71.2	.340	-0.944	.073	-0.322
KYOTO	.0	-0.0	.873	100	332.0	90.2	.003	-0.883	-0.470	.004
MAEBASI	-0.0	.1	.864	100	346.6	89.3	.011	-0.973	-0.231	-0.012
MATSUMOT	-0.1	.2	.898	100	342.4	88.7	.022	-0.953	-0.302	-0.023
MATSUSHI	-0.1	.3	.899	100	343.7	87.7	.040	-0.959	-0.280	-0.040
MISHIMA	.3	-0.5	.826	100	344.3	94.4	.076	-0.960	-0.269	.076
MITO	.0	-0.1	.797	100	352.0	90.5	.008	-0.990	-0.140	.008
MIYAKO	-0.1	1.4	.722	100	358.4	78.7	.198	-0.980	-0.027	-0.195
MIYAZAKI	-0.2	.1	.532	100	309.0	89.0	.017	-0.629	-0.777	-0.017
MORI	-0.3	2.2	.775	100	355.2	72.8	.309	-0.952	-0.080	-0.296
MORIOKA	-0.2	1.5	.772	100	356.0	78.5	.203	-0.978	-0.068	-0.200
MURORAN	-0.3	2.3	.752	100	356.2	72.4	.316	-0.951	-0.062	-0.302
MUROTOMI	.4	-0.3	.716	100	321.5	92.9	.050	-0.782	-0.621	.051
NAGANO	-0.2	.4	.904	100	343.9	87.0	.051	-0.959	-0.277	-0.052
NAGASAKI	-1.2	.6	.632	100	308.8	82.6	.130	-0.622	-0.772	-0.129
NAGOYA	.1	-0.2	.872	100	336.7	91.7	.029	-0.918	-0.395	.030
NEMURO	.5	2.6	.480	100	7.0	70.4	.355	-0.935	.115	-0.335
NIIGATA	-0.3	.9	.887	100	348.3	83.0	.122	-0.972	-0.202	-0.122
OKAYAMA	-0.3	.3	.853	100	325.3	87.3	.046	-0.821	-0.569	-0.047
OMAEZAKI	.4	-0.7	.818	100	340.4	95.7	.099	-0.937	-0.334	.100
ONAHOMA	-0.0	.3	.785	100	354.0	88.0	.035	-0.994	-0.105	-0.035
OSAKA	.1	-0.1	.848	100	330.0	91.1	.018	-0.866	-0.500	.018
OSHIMA	.3	-0.8	.793	100	345.7	96.4	.112	-0.963	-0.246	.112
SAGA	-1.2	.6	.689	100	311.5	82.6	.129	-0.657	-0.742	-0.129
SAPPORO	-0.2	2.5	.724	100	357.3	71.1	.341	-0.945	-0.045	-0.323
SHIMIZU	.2	-0.1	.650	100	316.2	91.3	.021	-0.722	-0.691	.022
SHIONOMI	.7	-0.6	.747	100	327.6	95.9	.103	-0.840	-0.532	.103
SHIRAKAW	.2	.5	.349	100	13.5	85.8	.074	-0.970	.233	-0.074
SHIZUOKA	.3	-0.5	.834	100	341.9	94.5	.077	-0.947	-0.310	.078
SUMOTO	.1	-0.1	.825	100	327.3	90.9	.015	-0.841	-0.540	.016
TAKAMATS	-0.1	.1	.819	100	324.6	89.2	.014	-0.815	-0.580	-0.015

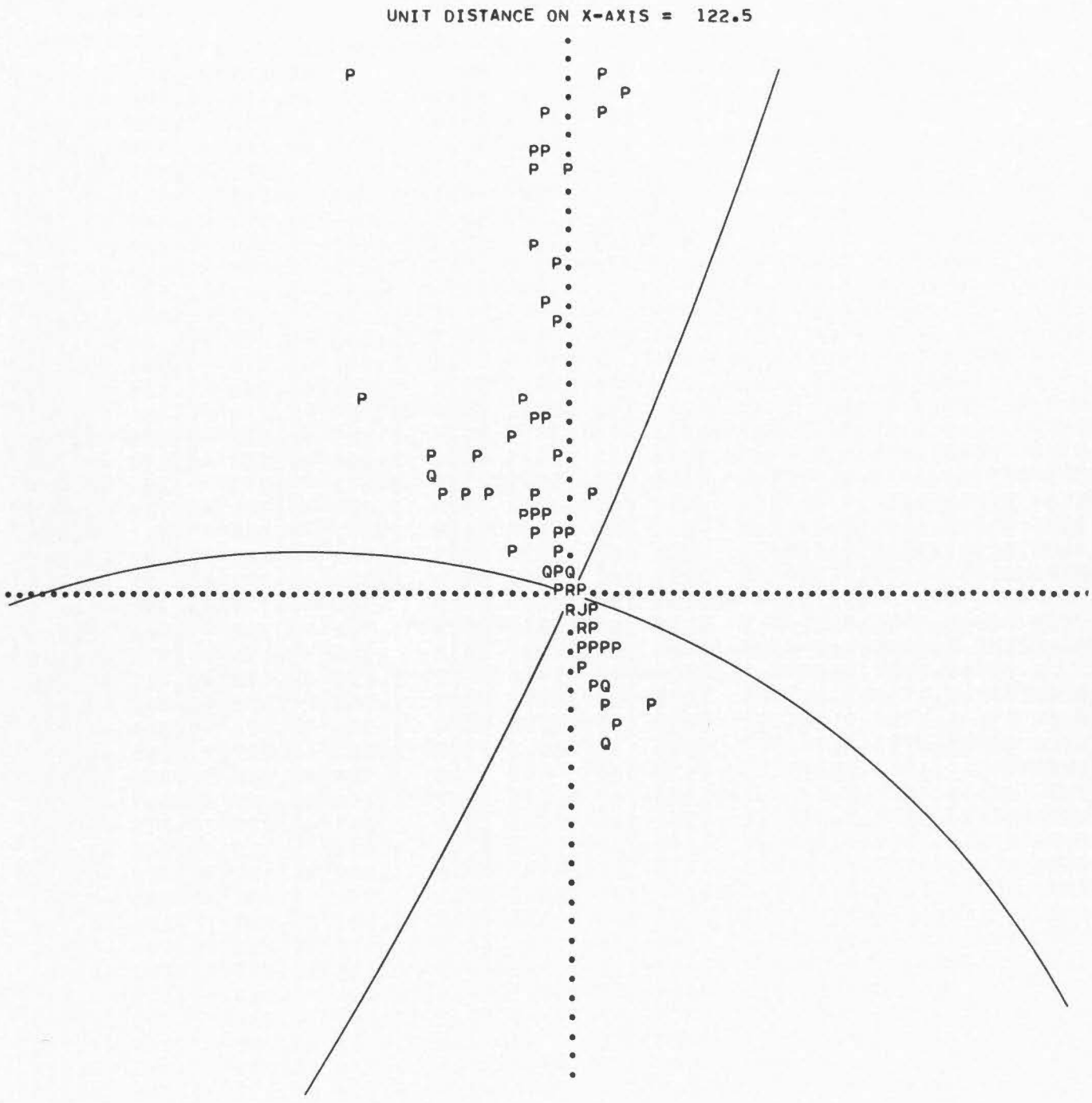
385 COMBINATION
MAY 30, 1955 H = 12.31.41 24.5N 142.5E DEPTH 600 KM. M = 7.2

TOKUSHIM	.1	-0.1		.799	100	325.5	91.2	.020	-0.824	-0.567	.021
TOKYO	.1	-0.3		.814	100	348.5	92.8	.049	-0.979	-0.199	.049
TOMAKOMA	-0.2	2.3		.718	100	357.8	72.1	.322	-0.951	-0.037	-0.307
TOMIZAKI	.3	-0.8		.782	100	347.9	96.2	.107	-0.972	-0.209	.107
TORI SHI	2.1	-3.8		.385	100	341.9	118.8	.550	-0.833	-0.272	.482
TOYAMA	-0.3	.5		.932	100	340.5	85.7	.074	-0.940	-0.333	-0.075
TOYOOKA	-0.4	.4		.912	100	330.3	86.3	.065	-0.867	-0.494	-0.065
TSU	.3	-0.3		.849	100	334.0	92.7	.047	-0.897	-0.439	.047
UNZENDAK	-1.1	.5		.635	100	309.6	83.5	.114	-0.633	-0.766	-0.114
URAKAWA	.0	2.2		.655	100	.7	72.8	.308	-0.955	.012	-0.295
UTUNOMIY	-0.0	.1		.832	100	349.8	89.3	.011	-0.984	-0.177	-0.012
UWAJIMA	-0.2	.1		.703	100	316.7	88.7	.022	-0.728	-0.685	-0.023
WAJIMA W	-0.5	.8		.950	100	340.6	83.0	.122	-0.936	-0.329	-0.122
YAKU SHI	-0.1	.0		.326	100	301.1	89.2	.013	-0.516	-0.856	-0.014
YAMAGATA	-0.2	.9		.825	100	352.8	82.6	.129	-0.984	-0.124	-0.129
YOKOHAMA	.2	-0.5		.811	100	347.7	93.8	.065	-0.975	-0.212	.066
YONAGO	-0.8	.7		.901	100	325.8	83.8	.109	-0.822	-0.559	-0.109
ANDIJAN	-11.2	4.5		.614	100	304.1	42.2	1.103	-0.377	-0.556	-0.741
APIA	10.8	-4.6	W	-0.426	100	125.5	42.7	1.082	.394	.552	-0.735
PETROPAV	2.4	4.0		.054	100	19.1	59.4	.591	-0.813	.282	-0.509
PRAGUE	-11.9	11.9		.374	100	329.5	27.6	1.912	-0.399	-0.235	-0.886
QUETTA	-14.0	3.6		.482	100	293.6	38.6	1.250	-0.250	-0.572	-0.781
RACIBORZ	-12.3	11.6		.387	100	327.8	27.9	1.888	-0.396	-0.249	-0.884
RESOLUTE	4.1	10.3		-0.003	-100	13.4	34.5	1.457	-0.550	.131	-0.825
TANANARI	-23.3	-3.8		.121	100	254.6	27.0	1.969	.120	-0.437	-0.891
ABERDEEN	-7.4	13.2	W	.301	-100	341.6	27.5	1.921	-0.438	-0.146	-0.887
ALICANTE	-12.2	12.6		.348	1	330.1	26.6	2.000	-0.387	-0.223	-0.894
ASTRIDA	-59.8	4.5		.040	100	277.3	11.5	4.918	-0.025	-0.198	-0.980
ATHENS	-16.5	10.1	W	.396	-100	315.9	27.3	1.938	-0.329	-0.319	-0.889
BARRETT	18.2	7.1		-0.621	-100	56.6	29.3	1.783	-0.269	.408	-0.872
BASEL	-11.6	12.4		.356	100	331.0	27.1	1.953	-0.399	-0.221	-0.890
BERKELEY	15.7	6.9		-0.627	-100	53.3	32.1	1.596	-0.317	.426	-0.848
BOMBAY	-14.6	1.5	W	.349	-100	280.1	39.6	1.208	-0.111	-0.627	-0.771
BOULDER	17.3	7.8	W	-0.585	100	52.6	29.4	1.774	-0.299	.390	-0.871
BOZEMAN	14.3	9.2	W	-0.477	100	42.6	30.2	1.719	-0.370	.340	-0.865
BUTTE	14.0	9.0	W	-0.483	100	42.8	30.6	1.687	-0.374	.346	-0.860
CALCUTTA	-10.7	1.0		.330	100	279.4	48.5	.885	-0.122	-0.739	-0.663
CHRISTCH	6.7	-9.5		-0.139	-100	157.6	35.1	1.424	.531	.219	-0.818
CLEVELAN	12.9	12.1	W	-0.322	100	32.4	27.0	1.969	-0.383	.243	-0.891
COLLEGE	6.3	7.0		-0.253	-100	27.7	42.3	1.098	-0.596	.313	-0.740
COPENHAG	-9.9	12.2		.363	100	334.3	28.1	1.868	-0.425	-0.204	-0.882
FERGANA	-11.3	4.5		.608	100	303.9	41.9	1.115	-0.372	-0.554	-0.745
FRUNSE	-10.5	4.6		.645	100	306.5	43.2	1.064	-0.407	-0.550	-0.729
GHARM	-11.8	4.5		.588	100	302.5	41.1	1.145	-0.353	-0.555	-0.753
GORIS	-15.3	7.2		.482	100	308.5	32.0	1.598	-0.330	-0.415	-0.848
HONG KON	-6.4	.1		.047	100	271.0	62.5	.521	-0.015	-0.886	-0.463
HONOLULU	12.0	1.2	W	-0.935	100	80.5	45.1	.996	-0.117	.698	-0.706
HUNGRY H	13.1	8.9		-0.468	-100	41.1	31.5	1.631	-0.394	.344	-0.853
HYDERABA	-13.4	.9		.310	100	276.6	42.1	1.105	-0.077	-0.667	-0.742
IRKUTSK	-5.2	4.2		.881	100	323.8	54.3	.717	-0.656	-0.480	-0.583
JUJHNO S	.0	3.3	W	.616	-100	.4	65.5	.456	-0.910	.006	-0.415
KABANSK	-4.9	4.1		.891	100	324.6	55.1	.697	-0.669	-0.475	-0.572
KARLSRUH	-11.3	12.4		.356	100	331.6	27.2	1.943	-0.402	-0.218	-0.889
KEW	-9.1	13.1		.320	100	337.6	27.1	1.953	-0.421	-0.174	-0.890
KIRKLAND	11.0	12.6	W	-0.253	100	27.2	27.1	1.957	-0.405	.208	-0.891
KIRUNA	-6.3	10.8	W	.411	-100	340.8	32.4	1.576	-0.506	-0.176	-0.845

385 COMBINATION
MAY 30, 1955 H = 12.31.41 24.5N 142.5E DEPTH 600 KM. M = 7.2

KODAIKAN	-14.5	-0.1		.232	100	269.3	40.3	1.181	.008	-0.646	-0.763
KSARA	-18.2	8.2	W	.405	-100	307.1	28.2	1.865	-0.285	-0.377	-0.881
KULYAB	-12.1	4.4		.574	100	301.4	40.8	1.159	-0.340	-0.558	-0.757
KURILISK	.9	3.0		.360	100	10.6	67.2	.420	-0.906	.169	-0.388
KYAKHTA	-5.2	3.9		.887	100	322.2	55.5	.687	-0.651	-0.505	-0.566
LA PAZ	77.2	7.8		-0.346	-100	80.3	8.9	6.394	-0.026	.152	-0.988
LEMBANG	-7.9	-3.7		-0.080	-100	232.0	50.6	.820	.476	-0.609	-0.634
LISBON	-24.1	32.7		.003	100	336.4	11.5	4.918	-0.183	-0.080	-0.980
LOGAN	15.6	8.8		-0.518	-100	46.3	29.6	1.758	-0.341	.358	-0.869
MAGADAN	1.0	4.7		.364	100	7.3	56.9	.652	-0.831	.106	-0.547
MANILLA	-5.1	-1.2	W	-0.277	100	248.0	65.6	.453	.341	-0.844	-0.413
MELBOURN	.5	-8.4		.049	100	177.8	40.9	1.155	.654	.025	-0.756
MINERAL	15.0	7.3		-0.601	-100	50.8	32.3	1.583	-0.338	.414	-0.846
MOSCOW	-10.7	9.4		.499	100	326.0	32.6	1.561	-0.447	-0.301	-0.842
MOUNT HA	15.9	6.9		-0.626	-100	53.6	31.8	1.615	-0.312	.424	-0.850
MYRGAB	-11.4	4.1		.594	100	301.3	42.6	1.085	-0.352	-0.579	-0.736
NELSON	17.3	7.8		-0.585	-100	52.6	29.4	1.775	-0.298	.390	-0.871
NEW DELH	-12.3	2.6		.468	100	289.4	43.2	1.065	-0.228	-0.645	-0.729
NOUMEA	5.5	-6.0		-0.001	-100	151.5	46.8	.939	.641	.348	-0.685
OBI GHAR	-12.0	4.5		.583	100	302.3	40.9	1.156	-0.349	-0.553	-0.756
OTTAWA	10.8	12.8		-0.243	-100	26.5	27.0	1.969	-0.406	.202	-0.891
PALOMAR	17.8	7.2		-0.616	-100	55.6	29.5	1.765	-0.278	.407	-0.870
PARC ST	-10.3	12.8		.337	100	334.5	27.0	1.959	-0.410	-0.195	-0.891
PASADENA	17.4	7.1		-0.621	-100	55.4	30.1	1.728	-0.284	.412	-0.866
PAVIA	-12.5	12.1		.365	100	328.6	27.0	1.959	-0.388	-0.237	-0.891
POONA	-14.4	1.4	W	.341	-100	279.3	40.0	1.190	-0.104	-0.635	-0.766
POULKOVO	-9.4	10.2		.463	100	331.5	31.9	1.604	-0.465	-0.252	-0.849
RATHFARN	-7.5	13.5	W	.291	-100	341.7	27.1	1.955	-0.432	-0.143	-0.890
REYKJAVI	-2.7	13.6		.200	100	353.2	27.9	1.889	-0.464	-0.055	-0.884
RIVERSID	17.6	7.2		-0.616	-100	55.3	29.8	1.747	-0.283	.408	-0.868
RIVERVIE	1.9	-7.7	W	.063	-100	171.5	42.8	1.079	.672	.100	-0.734
ROME	-13.9	11.6		.377	100	324.6	27.0	1.963	-0.370	-0.263	-0.891
SALO	-12.6	12.0	W	.368	-100	328.2	27.1	1.954	-0.387	-0.240	-0.890
SALT LAK	15.9	8.7	W	-0.527	100	47.2	29.5	1.770	-0.334	.361	-0.871
SEMIPALA	-8.4	5.1		.735	100	315.5	45.5	.981	-0.509	-0.500	-0.700
SEVEN FA	9.3	13.2		-0.190	-100	22.6	27.0	1.969	-0.419	.174	-0.891
SHASTA	14.8	7.2		-0.603	-100	50.7	32.6	1.562	-0.342	.417	-0.842
STALINAB	-12.2	4.5		.578	100	302.2	40.4	1.173	-0.346	-0.548	-0.761
STATE CO	12.3	12.3		-0.298	-1	30.6	27.0	1.969	-0.390	.231	-0.891
STRASBOU	-11.3	12.4		.355	100	331.6	27.2	1.948	-0.402	-0.217	-0.890
STUTTGAR	-11.5	12.3	W	.359	-100	331.0	27.2	1.942	-0.400	-0.221	-0.889
SVERDLOV	-9.0	7.2	W	.638	-100	323.2	39.0	1.233	-0.504	-0.377	-0.777
TANANARI	-23.3	-3.8		.121	100	254.6	27.0	1.969	.121	-0.437	-0.891
TASHKENT	-11.5	4.8		.607	100	305.3	40.9	1.153	-0.379	-0.534	-0.756
TIFLIS T	-14.8	7.6		.487	100	311.0	31.9	1.604	-0.347	-0.399	-0.849
TINEMAHA	16.5	7.4		-0.602	-100	52.7	30.6	1.690	-0.308	.405	-0.861
TRIESTE	-13.1	11.8		.376	100	326.6	27.2	1.943	-0.382	-0.252	-0.889
TUCSON	18.7	8.0		-0.583	-100	54.3	28.0	1.878	-0.274	.381	-0.883
UGLEGORS	-0.1	3.6		.627	100	359.3	63.7	.493	-0.896	-0.011	-0.443
UPPSALA	-8.9	11.6	W	.392	-100	335.4	29.7	1.752	-0.451	-0.206	-0.869
VICTORIA	12.3	7.7		-0.523	-100	43.4	34.3	1.464	-0.409	.388	-0.826
VIENNA	-12.7	11.7	W	.381	-1	327.3	27.5	1.918	-0.389	-0.250	-0.887
VLADIVOS	-1.9	2.7		.979	100	337.4	67.9	.405	-0.856	-0.356	-0.376
WELLINGT	7.2	-9.2		-0.152	-100	155.0	35.7	1.393	.528	.247	-0.812
WOODY	16.8	7.2		-0.616	-100	54.2	30.5	1.694	-0.297	.412	-0.861
ZURICH	-11.8	12.3		.359	100	330.4	27.1	1.951	-0.396	-0.225	-0.890


UNIT DISTANCE ON X-AXIS = 12.3

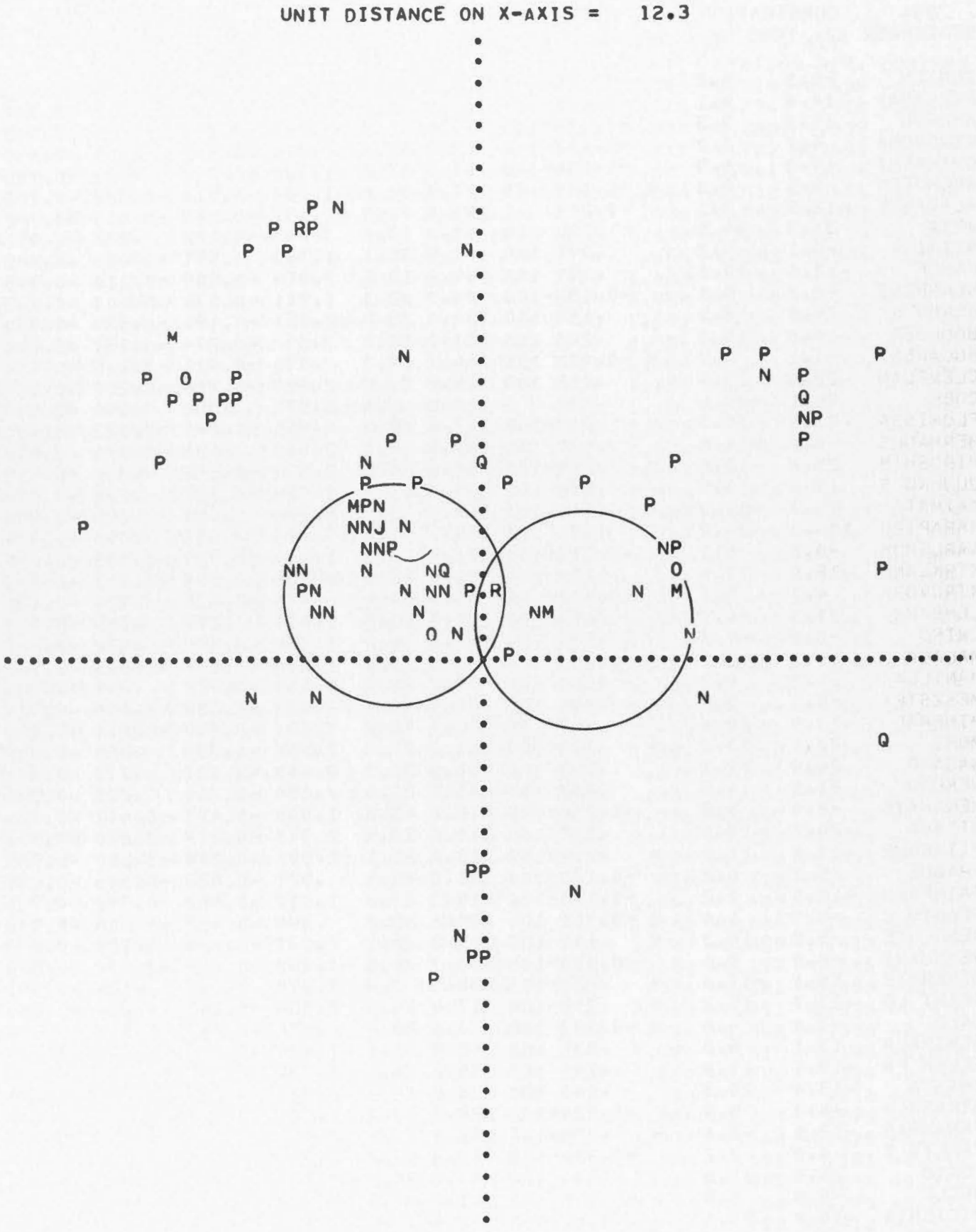

UNIT DISTANCE ON X-AXIS = 122.5

394 COMBINATION
SEPTEMBER 12, 1955 H = 06.09.20 32.5N 30E DEPTH NORMAL M = 6.7

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ALGER UN	-12.1	2.3		-0.323	-1	288.0	43.9	1.040	-0.214	-0.659	-0.721
ALMATA	14.6	5.0		.001	100	60.0	36.0	1.378	-0.294	.508	-0.809
ANDIJAN	14.8	4.2	W	-0.018	100	64.2	36.8	1.337	-0.260	.539	-0.801
ATHENS	-1.8	1.2		-0.477	-100	317.6	77.7	.217	-0.721	-0.659	-0.213
ASHKHABA	12.4	2.8		-0.155	-100	69.2	42.7	1.082	-0.241	.634	-0.735
BASEL	-8.6	5.6		-0.251	-100	317.7	43.8	1.043	-0.512	-0.466	-0.722
BELGRADE	-2.6	2.8		-0.263	-100	331.3	66.3	.438	-0.803	-0.440	-0.402
BERKELEY	-14.2	20.4		.267	100	337.6	18.2	3.039	-0.289	-0.119	-0.950
BOLOGNA	-5.8	3.4		-0.462	-100	314.4	56.4	.665	-0.583	-0.594	-0.554
BOMBAY	17.2	-1.6	W	.180	-100	99.0	35.1	1.422	.090	.568	-0.818
BUTTE	-15.4	19.4		.258	100	334.8	18.7	2.958	-0.290	-0.136	-0.947
COIMBRA	-14.2	3.9		-0.181	-1	294.8	38.0	1.281	-0.258	-0.558	-0.788
COLLEGE	-0.5	18.8	W	.235	-100	359.1	21.1	2.594	-0.360	-0.006	-0.933
COLUMBIA	-26.3	12.7		.244	100	309.1	19.9	2.769	-0.214	-0.264	-0.941
COPENHAG	-5.5	7.7	W	-0.086	100	337.1	40.9	1.153	-0.603	-0.255	-0.756
DE BILT	-8.3	6.9		-0.158	-100	324.5	40.6	1.165	-0.530	-0.378	-0.759
DJAKARTA	30.8	-4.0		.486	100	102.3	21.2	2.573	.077	.354	-0.932
EUREKA	-16.4	19.7		.265	100	333.8	18.3	3.029	-0.281	-0.138	-0.950
FUKUOKO	25.4	10.0		.282	100	56.4	21.9	2.487	-0.206	.311	-0.928
GRAHAMST	-1.3	-14.4		.951	100	183.1	26.6	1.993	.448	-0.025	-0.894
HUNGRY H	-14.1	19.5		.255	100	336.9	18.8	2.930	-0.297	-0.127	-0.946
HURBANOV	-3.2	3.7	W	-0.244	100	332.9	60.3	.569	-0.774	-0.395	-0.495
IRKUTSK	15.0	8.6		.117	100	45.8	30.3	1.710	-0.352	.362	-0.863
JERUSALE	1.5	-0.2	W	-0.929	100	100.1	82.8	.126	.174	.977	-0.126
KEW	-9.8	6.8		-0.159	-100	319.4	39.2	1.228	-0.479	-0.411	-0.775
KIMBERLE	-2.1	-13.4	W	.961	-100	185.2	28.2	1.862	.471	-0.043	-0.881
KIRUNA	-1.8	9.8		.033	100	353.8	36.4	1.354	-0.590	-0.064	-0.804
KOCHI	25.9	10.7		.293	100	55.0	21.2	2.582	-0.207	.296	-0.933
LENINGRA	.1	8.6		.022	100	.3	40.1	1.186	-0.645	.004	-0.765
LISBON	-14.7	3.5		-0.169	-100	292.0	37.7	1.292	-0.229	-0.567	-0.791
MATSUSHI	24.9	12.2		.292	100	50.3	20.7	2.641	-0.226	.272	-0.935
M BOUR	-18.1	-2.2	W	.204	-100	258.3	33.6	1.506	.112	-0.541	-0.833
MESSINA	-4.3	1.4		-0.765	-100	299.1	68.2	.399	-0.451	-0.811	-0.371
MONACO	-9.1	4.3		-0.352	-100	308.5	46.3	.954	-0.451	-0.566	-0.691
MOSCOW	2.4	7.7		.020	100	10.6	42.8	1.081	-0.667	.125	-0.734
PALISADE	-22.2	11.6		.184	100	311.4	22.5	2.418	-0.253	-0.286	-0.924
PARC ST	-9.8	6.0		-0.207	-100	316.1	40.9	1.155	-0.472	-0.453	-0.756
PAVIA	-8.1	4.6		-0.339	-100	313.8	47.4	.918	-0.510	-0.531	-0.677
PIETERMA	.2	-13.6		.961	100	179.6	28.0	1.881	.469	.003	-0.883
POULKOVO	.1	8.6		.021	100	.4	40.2	1.182	-0.646	.004	-0.764
QUETTA	15.6	.9	W	.001	-100	84.5	38.0	1.279	-0.059	.613	-0.788
RELIZANE	-13.1	2.1		-0.264	-100	285.4	42.0	1.109	-0.177	-0.646	-0.743
ROME	-5.0	2.4		-0.597	-100	308.5	62.3	.524	-0.551	-0.693	-0.465
SAN JUAN	-31.3	6.2		.286	1	288.6	20.4	2.693	-0.111	-0.330	-0.938
SKALNATE	-2.6	4.0	W	-0.166	100	339.0	59.2	.596	-0.802	-0.308	-0.512
SCORESBY	-6.7	10.3		.018	100	338.8	33.3	1.520	-0.512	-0.198	-0.836
SVERDLOV	8.3	7.9		.027	100	31.9	37.8	1.289	-0.520	.324	-0.790
SIMFEROP	1.1	2.7		.080	100	13.4	68.7	.388	-0.907	.216	-0.363
STALINAB	14.6	3.4		-0.041	-100	68.3	37.8	1.286	-0.227	.570	-0.790
STUTTGAR	-7.8	5.9		-0.225	-100	321.9	43.9	1.037	-0.546	-0.428	-0.720
TANANARI	7.2	-11.3	W	.896	-100	159.3	30.9	1.668	.481	.181	-0.858
THEODOSI	1.5	2.8		.054	100	17.2	68.2	.400	-0.887	.275	-0.372
WASHINGT	-23.6	12.1		.208	100	311.1	21.4	2.551	-0.240	-0.275	-0.931
VIENNA	-4.0	4.1		-0.268	-1	330.5	56.8	.655	-0.728	-0.412	-0.548
YALTA	1.1	2.6		.083	100	14.2	69.4	.375	-0.908	.229	-0.352

394 COMBINATION
SEPTEMBER 12, 1955 H = 06.09.20 32.5N 30E DEPTH NORMAL M = 6.7

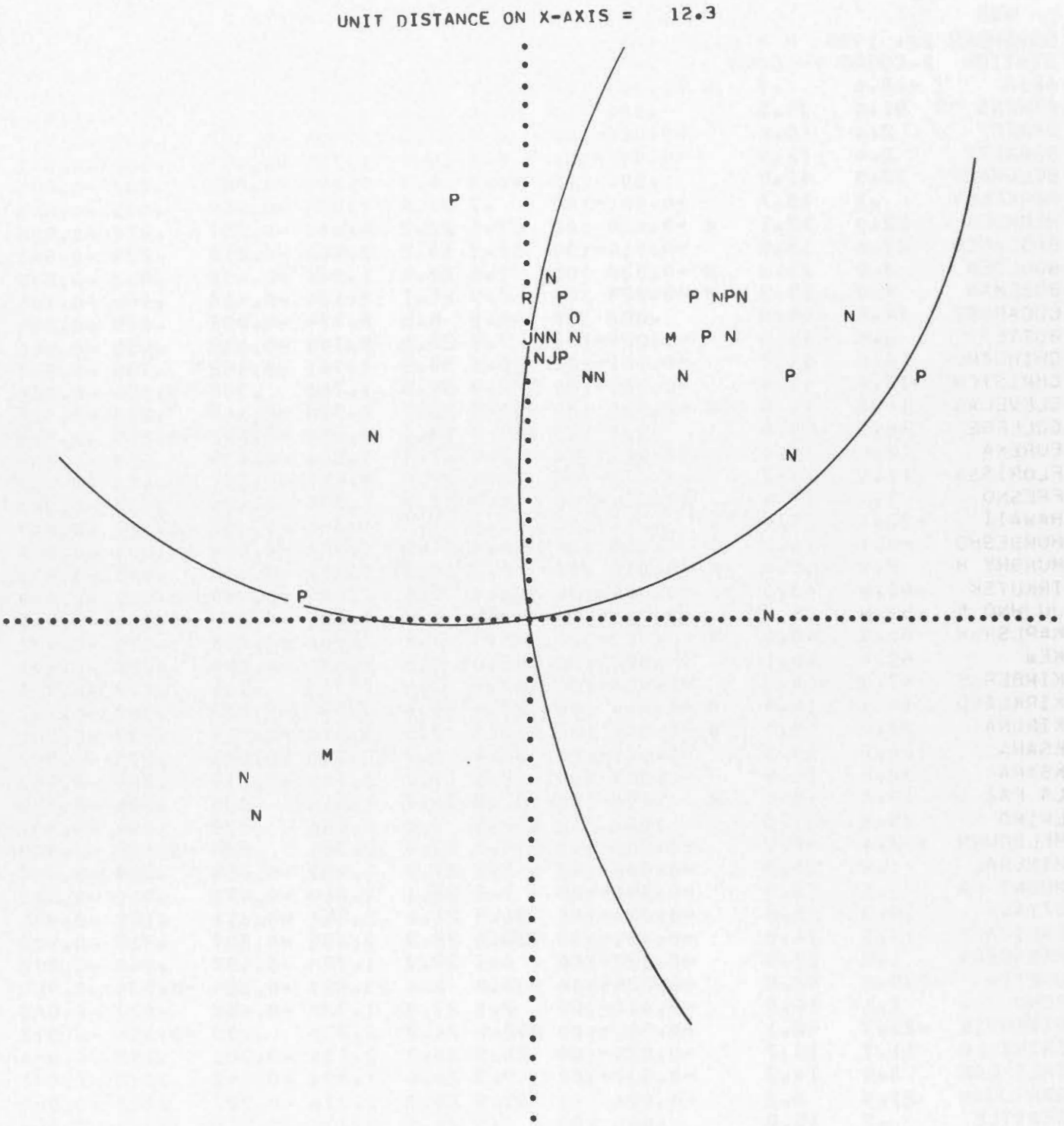
ZURICH	-8.3	5.5		-0.259	-100	318.3	44.5	1.017	-0.524	-0.466	-0.713
FERGANA	14.8	4.1		-0.021	-100	64.9	36.9	1.330	-0.255	.544	-0.799
KHOROG	15.3	3.3		-0.018	-100	70.0	36.9	1.329	-0.205	.565	-0.799
KIROVOBA	4.7	2.0		-0.413	-100	53.9	64.6	.475	-0.532	.729	-0.430
CHIMKENT	14.0	4.5		-0.034	-100	61.3	37.6	1.300	-0.292	.535	-0.793
ABERDEEN	-8.5	8.0	W	-0.088	100	327.9	37.4	1.308	-0.514	-0.322	-0.795
ALICANTE	-12.9	3.1		-0.265	-1	291.8	41.3	1.136	-0.246	-0.613	-0.751
APIA	31.3	14.5		.359	100	52.0	17.2	3.240	-0.182	.232	-0.956
ASTRIDA	-0.1	-9.7		.997	100	180.5	36.7	1.342	.597	-0.005	-0.802
BANFF	-12.6	19.6		.252	100	339.1	19.1	2.889	-0.305	-0.116	-0.945
BENSBERG	-8.2	6.4		-0.188	-100	323.0	42.0	1.111	-0.534	-0.403	-0.743
BERMUDA	-24.9	8.5		.188	100	300.0	23.0	2.351	-0.196	-0.339	-0.920
BOULDER	-18.0	19.3		.266	100	331.2	18.2	3.038	-0.274	-0.151	-0.950
BUCAREST	-1.1	2.7	W	-0.020	100	346.7	69.3	.376	-0.911	-0.215	-0.353
CLEVELAN	-22.5	13.4		.213	100	315.2	21.0	2.609	-0.254	-0.252	-0.934
COBB	98.1	-29.4		.635	1	116.8	6.4	8.974	.050	.099	-0.994
FLORISSA	-23.6	15.3	W	.247	-100	317.6	19.3	2.855	-0.244	-0.223	-0.944
HERMANUS	-4.2	-14.6		.937	100	189.6	26.1	2.040	.434	-0.074	-0.898
HIROSHIM	25.4	10.6	W	.286	-100	54.8	21.5	2.534	-0.212	.300	-0.930
JUJHNO S	19.4	13.9		.258	100	39.6	21.9	2.488	-0.287	.238	-0.928
KAIMATA	93.7	-31.3		.641	100	119.4	6.5	8.785	.056	.098	-0.994
KARAPIRO	108.3	-24.2		.623	100	110.7	6.0	9.446	.037	.098	-0.994
KARLSRUH	-8.0	6.1		-0.215	-100	321.9	43.3	1.063	-0.539	-0.423	-0.728
KIRKLAND	-18.9	13.4		.178	100	320.0	22.6	2.405	-0.294	-0.247	-0.923
KIROVOBA	4.7	2.1		-0.404	-100	53.4	64.4	.478	-0.538	.724	-0.432
LEMBANG	31.3	-4.1		.492	100	102.5	20.9	2.617	.077	.349	-0.934
LWIRO	-0.6	-9.7		.998	100	182.1	36.8	1.336	.599	-0.022	-0.801
MALAGA	-14.2	2.7	W	-0.203	1	288.1	39.4	1.216	-0.197	-0.603	-0.773
MANILLA	31.2	4.2		.360	100	77.2	21.0	2.609	-0.079	.349	-0.934
MESZSTET	-8.0	5.8	W	-0.235	100	320.7	44.1	1.033	-0.538	-0.440	-0.719
MINERAL	-13.9	20.4		.267	100	338.1	18.2	3.037	-0.290	-0.117	-0.950
MORI	22.1	13.2	W	.275	-100	44.7	21.3	2.568	-0.258	.255	-0.932
NAGANO	24.9	12.3		.292	100	50.2	20.7	2.643	-0.227	.272	-0.935
NEMURO	21.5	14.5		.282	100	41.4	20.6	2.658	-0.264	.233	-0.936
NENCHATE	-8.9	5.5		-0.256	-100	316.2	43.6	1.050	-0.497	-0.477	-0.724
OTTAWA	-20.2	12.4		.172	100	316.0	22.9	2.370	-0.279	-0.270	-0.921
PITTSBUR	-23.0	13.0	W	.212	-100	313.7	21.1	2.594	-0.248	-0.260	-0.933
PRAGUE	-5.7	6.2		-0.180	-100	331.2	45.8	.971	-0.628	-0.345	-0.697
RATHFARN	-10.4	7.2		-0.123	-100	319.6	37.3	1.312	-0.462	-0.392	-0.795
REGGIO C	-4.3	1.4	W	-0.761	100	299.5	68.2	.399	-0.457	-0.808	-0.371
RESOLUTE	-5.9	14.3	W	.142	-100	346.3	26.1	2.037	-0.428	-0.104	-0.898
REYKJAVI	-8.9	9.4		-0.022	-100	330.7	34.0	1.482	-0.488	-0.274	-0.829
RIVERVIE	88.1	-17.4	W	.620	-100	108.5	7.5	7.579	.041	.124	-0.991
SAINT LO	-23.7	15.2	W	.248	-100	317.4	19.3	2.856	-0.243	-0.224	-0.944
SALO	-7.4	4.6	W	-0.339	100	316.6	48.8	.876	-0.547	-0.516	-0.659
SEMIPALA	13.1	6.8		.030	100	48.8	35.1	1.424	-0.378	.432	-0.819
SEVEN FA	-19.1	11.6		.145	100	315.6	24.1	2.232	-0.292	-0.286	-0.913
SHASTA	-13.4	20.5		.267	100	338.8	18.2	3.036	-0.292	-0.113	-0.950
STRASBOU	-8.3	5.9		-0.224	-100	320.3	43.2	1.066	-0.527	-0.437	-0.729
TAMANRAS	-12.6	-2.4	W	.078	-100	252.1	42.7	1.083	.209	-0.645	-0.735
TIFLIS T	4.2	2.2		-0.329	-100	47.8	65.2	.461	-0.610	.673	-0.419
TOKYO	25.5	12.6		.300	100	50.2	20.3	2.705	-0.222	.266	-0.938
UCCLE	-8.8	6.6	W	-0.176	100	321.6	40.8	1.159	-0.512	-0.405	-0.757
VICTORIA	-10.9	20.6	W	.263	-100	342.6	18.6	2.977	-0.304	-0.095	-0.948
WESTON	-21.3	11.2		.167	100	311.6	23.2	2.329	-0.262	-0.295	-0.919
ZAGREB	-3.8	3.2		-0.361	-100	324.9	61.4	.544	-0.718	-0.505	-0.478


UNIT DISTANCE ON X-AXIS = 12.3

400

NOVEMBER 22, 1955 H = 03.24.00 24.5S 123W DEPTH NORMAL M = 6.8

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
APIA	-18.6	.7	W	-0.000	100	273.7	33.3	1.520	-0.036	-0.548	-0.836
ATHENS	91.0	35.5		.004	100	56.6	6.4	8.900	-0.061	.093	-0.994
BANFF	2.4	16.6		-0.008	-100	4.8	23.5	2.303	-0.397	.033	-0.917
BARRETT	2.4	12.5		-0.040	-100	6.5	29.9	1.737	-0.495	.056	-0.867
BELGRADE	73.5	41.5		.003	100	46.3	6.9	8.295	-0.083	.087	-0.993
BERKELEY	.3	13.7		-0.001	-100	.7	27.9	1.885	-0.469	.005	-0.883
BERMUDA	22.0	12.1	W	-0.038	100	47.1	22.2	2.448	-0.257	.277	-0.926
BESCANCO	27.4	15.0		-0.014	-100	47.2	18.2	3.046	-0.212	.229	-0.950
BOULDER	3.0	13.3	W	-0.039	100	7.6	28.5	1.844	-0.472	.063	-0.879
BOZEMAN	4.0	15.3	W	-0.028	100	8.9	25.1	2.139	-0.418	.065	-0.906
BUCAREST	74.6	45.8		.002	100	44.0	6.5	8.775	-0.082	.079	-0.994
BUTTE	3.5	15.4		-0.024	-100	7.7	25.0	2.144	-0.419	.056	-0.906
CHIHUAHU	6.5	11.7		-0.101	-100	18.1	30.5	1.701	-0.482	.158	-0.862
CHRISTCH	-16.6	-7.4		-0.367	-100	232.9	30.5	1.701	.305	-0.404	-0.862
CLEVELAN	14.6	14.4	W	-0.061	100	30.8	23.3	2.318	-0.340	.203	-0.918
COLLEGE	-6.3	20.6		.033	100	349.7	19.1	2.885	-0.322	-0.059	-0.945
EUREKA	2.5	14.0		-0.026	-100	6.0	27.2	1.941	-0.455	.048	-0.889
FLORISSA	11.6	13.7		-0.074	-100	26.6	25.3	2.118	-0.381	.191	-0.904
FRESNO	1.2	13.4		-0.014	-100	2.9	28.3	1.855	-0.474	.024	-0.880
HAWAII	-12.7	9.4	W	.211	-100	321.4	31.0	1.664	-0.402	-0.322	-0.857
HORSESHO	-0.1	16.2		.009	100	359.8	24.2	2.230	-0.409	-0.001	-0.912
HUNGRY H	2.9	15.9	W	-0.016	100	6.2	24.3	2.211	-0.410	.045	-0.911
IRKUTSK	-60.0	43.0		-0.009	-100	320.4	7.4	7.692	-0.099	-0.082	-0.992
JUJHNO S	-63.8	35.8		-0.010	-100	313.5	7.9	7.180	-0.095	-0.100	-0.990
KARLSRUH	65.9	40.0	W	.003	-100	44.3	7.4	7.700	-0.092	.090	-0.992
KEW	62.4	40.1		.003	100	42.6	7.6	7.520	-0.097	.089	-0.991
KIMBERLE	47.8	-44.8		-0.012	-100	147.7	7.8	7.313	.114	.072	-0.991
KIRKLAND	14.4	16.5	W	-0.044	100	27.4	21.4	2.558	-0.323	.168	-0.931
KIRUNA	27.9	52.4	W	-0.001	100	17.5	7.5	7.576	-0.125	.039	-0.991
KSARA	126.2	46.0		-0.001	-100	58.4	4.7	12.100	-0.043	.070	-0.997
KSARA	32.8	11.9		.007	100	58.4	17.7	3.140	-0.159	.259	-0.953
LA PAZ	19.8	-0.4	W	.196	-100	92.2	31.7	1.616	.020	.526	-0.850
LWIRO	75.8	-37.9		.002	100	130.2	7.0	8.096	.079	.094	-0.992
MELBOURN	-23.4	-9.9		-0.255	-100	234.3	23.0	2.351	.228	-0.318	-0.920
MINERAL	.5	14.2		-0.002	-100	1.2	27.1	1.957	-0.455	.009	-0.891
MOUNT HA	.5	13.5		-0.004	-100	1.2	28.1	1.869	-0.471	.010	-0.882
OTTAWA	16.3	15.8		-0.046	-100	31.5	21.4	2.551	-0.311	.191	-0.931
PALISADE	17.5	14.5		-0.051	-100	35.6	22.2	2.455	-0.307	.219	-0.926
PASADENA	1.8	12.9		-0.027	-100	4.7	29.3	1.785	-0.487	.040	-0.872
QUETTA	-239.6	98.6		-0.025	-100	304.8	2.4	23.827	-0.024	-0.034	-0.999
RENO	1.1	14.0		-0.010	-100	2.7	27.3	1.935	-0.458	.022	-0.888
RIVERVIE	-23.7	-8.1		-0.248	-100	240.0	24.2	2.230	.205	-0.354	-0.912
SAINT LO	11.7	13.7		-0.075	-100	26.8	25.3	2.116	-0.381	.193	-0.904
SALT LAK	3.9	14.3		-0.037	-100	9.3	26.6	1.994	-0.442	.072	-0.894
SAN JUAN	21.9	8.2		-0.026	-1	57.9	25.3	2.116	-0.227	.362	-0.904
SEATTLE	.2	15.8		.005	100	.5	24.7	2.174	-0.418	.004	-0.909
SEVEN FA	17.9	16.5		-0.038	-100	32.8	20.3	2.699	-0.292	.188	-0.938
SHASTA	.2	14.3		.002	100	.5	26.9	1.967	-0.453	.004	-0.891
SHAWINIG	17.3	16.2	W	-0.041	100	32.2	20.7	2.647	-0.299	.188	-0.936
SPRING H	13.0	11.8		-0.097	-100	33.1	27.2	1.948	-0.382	.249	-0.890
STRASBOU	66.6	39.4	W	.003	-100	45.0	7.4	7.687	-0.091	.091	-0.992
TINEMAHA	1.7	13.5		-0.021	-100	4.3	28.2	1.867	-0.471	.035	-0.882
TUCSON	4.6	12.5		-0.068	-100	12.2	29.6	1.760	-0.483	.104	-0.870
VICTORIA	-0.1	16.0		.009	100	359.7	24.4	2.202	-0.413	-0.002	-0.911
WELLINGT	-16.8	-6.8		-0.360	-100	235.7	31.0	1.663	.290	-0.426	-0.857
WOODY	1.5	13.2		-0.021	-100	3.9	28.7	1.825	-0.479	.033	-0.877


UNIT DISTANCE ON X-AXIS = 12.3
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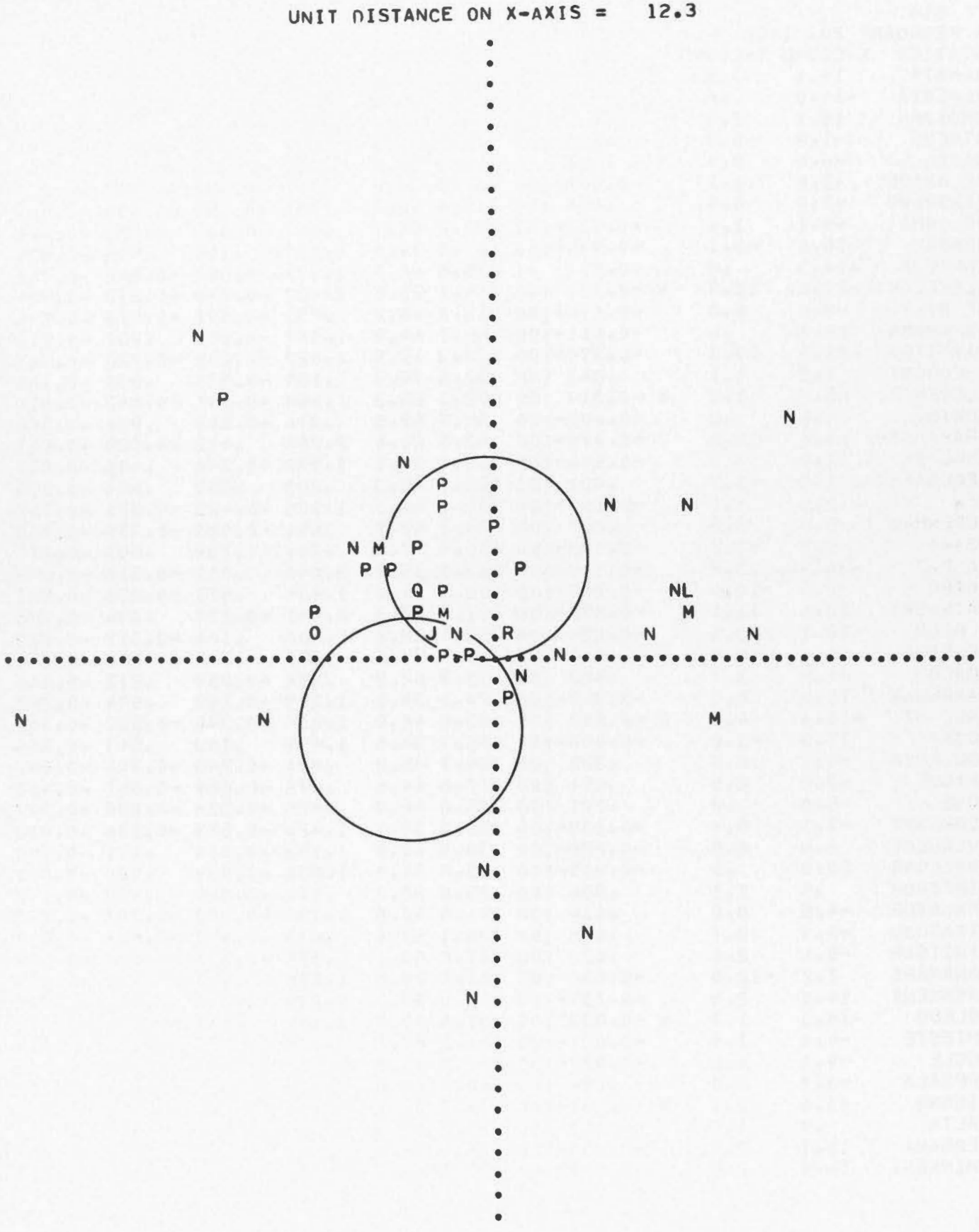
* FEBRUARY 20, 1956 H = 20.31.37 39.7N 30.5E DEPTH 25 KM. M = 6.7

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ALMATA	15.1	3.5		-0.697	-100	68.9	37.0	1.325	-0.217	.562	-0.798
ALMERIA	-14.0	.6		.005	1	274.3	41.0	1.150	-0.049	-0.654	-0.755
ANDIJAN	15.1	2.5		-0.754	-100	74.4	37.9	1.284	-0.166	.592	-0.789
ATHENS	-1.9	-0.3		.330	100	254.2	80.9	.159	.269	-0.950	-0.158
BASEL	-6.4	2.4		.006	100	302.9	58.2	.619	-0.461	-0.714	-0.527
BELGRADE	-2.6	1.2		-0.048	-100	307.8	74.8	.271	-0.592	-0.762	-0.262
BENSBERG	-7.7	3.9		.008	100	310.4	50.3	.830	-0.498	-0.586	-0.639
BOLOGNA	-5.1	1.4		-0.023	-100	294.8	65.1	.463	-0.381	-0.823	-0.421
BOMBAY	16.8	-3.1		-0.999	-100	107.2	34.8	1.437	.168	.545	-0.821
CARTUJA	-14.3	.8		-0.007	-1	275.6	40.5	1.172	-0.063	-0.646	-0.761
CLEVELAN	-21.0	12.3	W	-0.324	100	314.7	22.6	2.407	-0.270	-0.273	-0.924
DE BILT	-8.8	5.0		-0.018	-100	313.8	45.2	.991	-0.491	-0.513	-0.704
ASHKHABA	12.3	.6		-0.811	-100	85.7	44.8	1.007	-0.053	.702	-0.710
FAYETTEV	-23.0	15.3		-0.379	-100	318.3	19.5	2.822	-0.250	-0.222	-0.943
THEODOSI	1.2	1.1		.843	100	32.6	79.3	.188	-0.827	.530	-0.186
FLORENCE	-5.2	1.3	W	-0.019	100	292.0	65.3	.460	-0.341	-0.842	-0.419
GORIS	4.6	.2		-0.403	-100	85.8	69.5	.374	-0.069	.934	-0.351
GRAHAMST	-1.6	-16.0		-0.475	-100	183.4	24.4	2.204	.412	-0.025	-0.911
IRKUTSK	14.9	7.5		-0.546	-100	49.7	32.1	1.592	-0.344	.406	-0.847
JERUSALE	1.5	-1.7		.001	100	152.7	75.3	.263	.859	.444	-0.255
KEW	-10.5	5.1		-0.057	-100	309.1	42.1	1.105	-0.423	-0.521	-0.742
COPENHAG	-5.6	5.5		.087	100	329.1	48.5	.884	-0.643	-0.385	-0.663
KSARA	1.6	-1.2		-0.197	-100	141.9	77.9	.214	.769	.603	-0.210
LA PAZ	-36.9	-2.9		-0.348	-100	262.4	18.2	3.040	.041	-0.310	-0.950
LWIRO	-0.8	-10.4		-0.262	-100	182.5	34.8	1.436	.571	-0.025	-0.821
MATSUSHI	23.4	11.1		-0.698	-100	51.4	22.3	2.441	-0.237	.296	-0.925
M BOUR	-18.1	-3.4		-0.029	-100	252.4	32.9	1.548	.164	-0.517	-0.840
MESSINA	-4.4	-0.1		.169	100	267.4	70.2	.359	.042	-0.940	-0.339
MOSCOW	1.5	3.7		.582	100	13.9	62.2	.526	-0.859	.212	-0.466
NAMANGAN	15.0	2.5		-0.749	-100	74.1	38.1	1.273	-0.169	.594	-0.787
PARC ST	-10.4	4.1	W	-0.043	100	303.8	44.5	1.018	-0.390	-0.582	-0.713
POONA	17.0	-3.0		-0.998	-100	106.7	34.6	1.451	.163	.543	-0.824
POULKOVO	-0.1	6.5		.222	100	359.7	48.2	.894	-0.745	-0.004	-0.667
PRAGUE	-3.9	2.5		.094	100	317.8	64.5	.475	-0.669	-0.607	-0.430
ROME	-5.0	.8		.001	100	285.0	66.9	.426	-0.238	-0.888	-0.392
SCORESBY	-7.1	9.4		-0.108	-100	335.9	35.1	1.424	-0.525	-0.234	-0.818
SVERDLOV	8.9	6.5		-0.220	-100	38.9	40.9	1.153	-0.510	.411	-0.756
SHILLONG	20.0	.9		-0.910	-100	85.8	31.5	1.634	-0.039	.520	-0.853
SIMFEROP	.9	1.1		.906	100	25.8	80.3	.170	-0.888	.428	-0.168
SKALSTUG	-4.5	8.0		.014	100	341.5	40.8	1.158	-0.620	-0.207	-0.757
STRASBOU	-6.3	2.7		.015	100	306.1	57.4	.638	-0.497	-0.681	-0.538
STUTTGAR	-5.6	2.6		.022	100	307.8	60.1	.575	-0.531	-0.685	-0.499
TANANARI	7.2	-12.6		-0.636	-100	161.4	28.5	1.838	.453	.152	-0.878
TASHKENT	14.5	2.5		-0.737	-100	74.0	39.0	1.235	-0.173	.605	-0.777
TOLEDO	-14.0	1.7	W	-0.032	100	281.6	40.7	1.164	-0.131	-0.638	-0.759
TRIESTE	-4.4	1.6		-0.027	-100	301.2	67.1	.421	-0.478	-0.788	-0.388
UCCLE	-9.3	4.6		-0.027	-100	309.9	45.3	.989	-0.456	-0.545	-0.704
UPPSALA	-3.7	7.0		.094	100	342.3	44.8	1.008	-0.671	-0.214	-0.710
VIENNA	-3.6	2.1	W	.057	-100	314.7	67.8	.408	-0.651	-0.658	-0.378
YALTA	.9	1.0		.901	100	28.4	81.0	.158	-0.869	.469	-0.157
FERGANA	15.1	2.4		-0.763	-100	75.2	38.0	1.277	-0.157	.596	-0.788
CHIMKENT	14.4	2.8		-0.712	-100	72.1	38.9	1.237	-0.194	.598	-0.778


UNIT DISTANCE ON X-AXIS = 12.3

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STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ABASHIRI	-0.7	-0.2	W	.270	-100	245.9	86.2	.067	.408	-0.911	-0.067
ABERDEEN	-7.0	15.3	W	.361	-1	344.9	24.6	2.186	-0.402	-0.108	-0.909
ABUYAMA	-4.3	-2.1		.024	100	230.2	65.5	.456	.582	-0.699	-0.415
AKITA	-2.4	-1.1		.237	100	233.4	76.1	.246	.579	-0.779	-0.240
ALICANTE	-13.1	18.7	W	.200	-100	337.6	19.7	2.793	-0.311	-0.129	-0.942
ALMERIA	-12.7	19.1		.197	1	338.6	19.4	2.833	-0.310	-0.122	-0.943
ANN ARBO	17.8	13.6		.187	100	37.8	22.9	2.369	-0.307	.238	-0.921
AOMORI	-2.1	-0.8		.257	100	236.2	78.1	.210	.545	-0.813	-0.206
ASAHIKAW	-1.4	-0.3	W	.194	-100	250.1	83.1	.120	.338	-0.933	-0.120
ATHENS	-19.7	14.1	W	.157	-100	320.4	21.6	2.529	-0.283	-0.234	-0.930
BANFF	15.4	8.3		.261	100	47.7	30.4	1.702	-0.341	.375	-0.862
BARCELON	-13.0	18.0	W	.214	-100	336.7	20.3	2.698	-0.319	-0.137	-0.938
BARRETT	22.4	6.3		-0.050	-100	64.7	26.3	2.022	-0.189	.401	-0.896
BELGRADE	-16.0	14.2		.226	100	326.3	23.0	2.354	-0.325	-0.217	-0.920
BERKELEY	19.8	5.9		.009	100	63.3	28.9	1.813	-0.217	.431	-0.876
BERMUDA	17.2	18.1		.146	100	29.3	19.3	2.862	-0.287	.161	-0.944
BIG BEAR	21.6	6.4	W	-0.022	100	63.3	26.8	1.976	-0.203	.403	-0.892
BOULDER	21.2	7.0		.014	100	60.7	26.8	1.980	-0.220	.393	-0.893
BUCAREST	-17.0	13.2		.216	100	322.7	23.7	2.283	-0.319	-0.243	-0.916
BUTTE	17.4	8.3		.179	100	51.1	28.7	1.829	-0.301	.373	-0.878
CAMPULUN	-16.4	13.3	W	.225	-100	323.8	23.7	2.274	-0.325	-0.238	-0.915
CARTUJA	-12.1	19.2	W	.200	-1	339.5	19.4	2.833	-0.312	-0.116	-0.943
CHEB	-12.4	14.9	W	.284	-100	333.8	23.6	2.290	-0.359	-0.176	-0.917
CHICAGO	18.4	12.8		.175	100	40.4	23.3	2.320	-0.301	.257	-0.918
CHIHUAHU	24.8	8.2		-0.045	-100	60.8	23.3	2.324	-0.193	.345	-0.919
CHINA LA	21.0	6.5		-0.002	-100	62.4	27.3	1.934	-0.213	.407	-0.888
CLERMONT	-11.8	17.1		.248	100	337.7	21.4	2.547	-0.338	-0.139	-0.931
CLEVELAN	17.9	14.1		.180	100	36.8	22.4	2.431	-0.304	.228	-0.925
COLLEGE	9.9	7.5	W	.534	-100	37.9	37.2	1.318	-0.476	.371	-0.797
COLUMBIA	21.3	14.7		.101	100	40.6	20.5	2.676	-0.266	.228	-0.937
COPENHAG	-10.3	14.1		.340	100	336.6	25.3	2.119	-0.392	-0.169	-0.904
CORVALLI	17.5	6.6		.124	100	57.6	30.6	1.690	-0.272	.430	-0.861
DALTON	21.6	6.4	W	-0.025	100	63.6	26.9	1.972	-0.201	.405	-0.892
DE BILT	-10.1	15.5		.308	100	338.9	23.5	2.297	-0.372	-0.143	-0.917
DJAKARTA	-17.6	-9.0		-0.546	-100	229.3	27.9	1.892	.305	-0.354	-0.884
DURHAM	-7.7	15.7		.337	100	343.8	23.9	2.261	-0.388	-0.113	-0.915
EDINBURG	-7.0	15.6	W	.349	-100	345.1	24.1	2.232	-0.395	-0.105	-0.913
EUREKA	19.8	7.2		.063	100	58.5	27.8	1.893	-0.244	.398	-0.884
FAYETTEV	21.5	11.5		.092	100	48.0	22.9	2.362	-0.261	.290	-0.921
FLORENCE	-14.7	16.1		.223	100	331.6	21.6	2.523	-0.324	-0.175	-0.930
FLORISSA	20.1	12.3		.133	100	44.0	23.0	2.360	-0.281	.271	-0.921
FRESNO	20.5	6.2		.003	100	62.9	28.0	1.877	-0.214	.418	-0.883
FUNATSU	-3.2	-2.0	W	.108	-100	223.8	69.4	.375	.676	-0.648	-0.352
GALERAZA	63.6	33.3		-0.227	-100	48.6	8.2	6.930	-0.094	.107	-0.990
GIFU	-3.8	-2.0		.068	100	228.7	67.5	.414	.610	-0.694	-0.383
GORIS	-20.1	9.2		.134	100	307.5	25.7	2.073	-0.265	-0.344	-0.901
HALIFAX	12.7	17.1		.235	100	23.7	21.2	2.572	-0.332	.146	-0.932
HAMADA	-6.1	-2.3	W	-0.080	100	237.5	59.5	.589	.462	-0.727	-0.508
HAMAMATS	-3.6	-2.1	W	.060	-100	224.7	67.4	.416	.656	-0.649	-0.385
HAMBURG	-10.6	14.7		.320	100	336.9	24.4	2.205	-0.380	-0.162	-0.911
HATINOHE	-2.0	-0.9	W	.288	-100	232.3	78.6	.202	.599	-0.776	-0.199
HAWAII	18.5	-2.4		-0.594	-100	102.3	32.9	1.544	.116	.531	-0.839
HELWAN	-24.5	12.4		.073	1	310.5	20.8	2.636	-0.230	-0.270	-0.935
HIKONA	-4.0	-2.0		.052	100	229.6	66.8	.429	.595	-0.700	-0.395

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HIROSHIM	-6.2	-2.5		-0.102	-100	235.6	58.6	.611	.482	-0.704	-0.521
HONG KON	-14.5	-4.3		-0.359	-100	243.4	37.1	1.320	.270	-0.540	-0.797
HONOLULU	17.7	-2.4	W	-0.602	100	102.7	34.0	1.480	.123	.546	-0.829
HORSESHO	15.8	7.1		.215	100	52.8	31.6	1.622	-0.317	.418	-0.851
HUNGRY H	16.5	8.3		.215	100	49.7	29.5	1.768	-0.318	.375	-0.870
IRKUTSK	-12.9	4.2		.187	100	298.6	39.9	1.196	-0.307	-0.563	-0.767
ISABELLA	21.0	6.3		-0.008	-100	63.1	27.5	1.920	-0.209	.412	-0.887
ISHINOMA	-2.2	-1.3	W	.253	-100	224.5	75.6	.257	.690	-0.679	-0.250
ISTANBUL	-18.8	12.7		.180	100	318.8	23.2	2.334	-0.297	-0.259	-0.919
JERSEY	-9.2	17.0	W	.283	-100	342.2	22.1	2.467	-0.358	-0.115	-0.927
KAGOSHIM	-9.4	-4.1		-0.321	-100	233.5	46.4	.950	.431	-0.583	-0.689
KAMEYAMA	-4.0	-2.1		.042	100	228.1	66.4	.437	.612	-0.682	-0.401
KARLSRUH	-11.9	15.7		.276	100	335.7	22.9	2.369	-0.354	-0.160	-0.921
KING RAN	21.0	6.0		-0.020	-100	64.1	27.7	1.904	-0.203	.418	-0.885
KIRKLAND	14.6	13.8		.262	100	32.2	24.0	2.244	-0.344	.217	-0.913
KIRUNA	-7.2	12.0		.463	100	340.5	29.6	1.761	-0.465	-0.165	-0.870
KOCHI	-5.9	-2.7	W	-0.114	100	231.7	58.6	.609	.529	-0.670	-0.521
KSARA	-22.7	11.3		.099	100	310.0	22.4	2.421	-0.245	-0.292	-0.924
KUMAMOTO	-9.1	-3.7		-0.282	-100	235.6	48.1	.898	.421	-0.613	-0.668
KUSHIRO	-0.9	-0.4	W	.370	-100	235.7	85.0	.088	.561	-0.823	-0.088
LA PAZ	79.7	27.0		-0.282	-100	60.2	7.6	7.497	-0.066	.115	-0.991
LEMBANG	-17.3	-9.2	W	-0.556	100	228.1	27.8	1.898	.311	-0.347	-0.885
LISBON	-9.4	19.7		.216	100	344.2	19.5	2.828	-0.321	-0.091	-0.943
MAEBASI	-3.0	-1.8		.144	100	225.3	70.9	.346	.665	-0.671	-0.327
MALAGA	-11.9	19.4		.200	1	340.0	19.4	2.844	-0.312	-0.113	-0.943
MANILLA	-12.3	-6.6		-0.496	-100	227.8	36.5	1.350	.399	-0.441	-0.804
MATSUSHI	-3.2	-1.7		.131	100	228.0	70.4	.356	.630	-0.700	-0.336
M BOUR	-20.7	49.7		-0.129	-100	346.1	8.1	7.064	-0.136	-0.034	-0.990
MELBOURN	-2.4	-18.3		-0.819	-100	184.4	21.5	2.538	.365	-0.028	-0.930
MERIDA	28.2	12.0		-0.044	-100	54.3	19.4	2.835	-0.194	.270	-0.943
MESSINA	-18.1	15.9		.171	100	326.0	20.7	2.648	-0.293	-0.197	-0.936
MESZSTET	-12.4	15.7		.267	100	335.0	22.7	2.392	-0.349	-0.163	-0.923
MINERAL	19.0	6.3		.055	100	60.7	29.3	1.782	-0.239	.427	-0.872
MIYAKO	-1.9	-1.1	W	.298	-100	226.6	77.8	.216	.671	-0.711	-0.211
MIYAZAKI	-8.9	-4.0		-0.310	-100	232.6	47.6	.913	.449	-0.586	-0.675
MONTREAL	14.7	15.2	W	.236	-100	29.7	22.5	2.415	-0.332	.190	-0.924
MORI	-2.1	-0.6		.218	100	243.7	79.3	.188	.436	-0.881	-0.186
MORIOKA	-2.1	-1.1	W	.272	-100	229.8	77.1	.228	.629	-0.745	-0.223
MOUNT HA	20.1	5.9		.003	100	63.4	28.6	1.833	-0.214	.428	-0.878
MURORAN	-1.9	-0.6	W	.225	-100	243.9	80.0	.176	.433	-0.885	-0.174
NAGASAKI	-9.5	-3.7		-0.288	-100	236.9	47.1	.928	.400	-0.614	-0.681
NEMURO	-0.5	-0.2		.437	100	232.3	87.2	.049	.610	-0.791	-0.049
NENCHATE	-12.4	16.2		.257	100	335.7	22.1	2.458	-0.343	-0.155	-0.926
OAXACA	30.4	9.6		-0.119	-100	62.1	19.6	2.812	-0.157	.296	-0.942
OBIHIRO	-1.2	-0.4		.301	100	240.5	83.4	.116	.490	-0.864	-0.116
OITA	-8.3	-3.5		-0.251	-100	234.7	50.3	.829	.444	-0.629	-0.638
OTTAWA	15.1	14.8		.233	100	31.1	22.7	2.389	-0.330	.199	-0.923
PALISADE	16.7	15.8		.186	100	32.1	21.3	2.568	-0.307	.193	-0.932
PALO ALT	20.0	5.9		.002	1	63.7	28.7	1.822	-0.213	.431	-0.877
PALOMAR	22.0	6.3		-0.035	-100	64.0	26.6	1.995	-0.196	.403	-0.894
PALOS VE	21.8	6.1		-0.041	-100	64.8	27.0	1.964	-0.193	.410	-0.891
PARC ST	-10.6	16.5		.277	100	339.2	22.3	2.439	-0.355	-0.134	-0.925
PASADENA	21.5	6.2		-0.030	-100	64.1	27.1	1.955	-0.199	.410	-0.890
PAVIA	-13.6	16.2		.238	100	333.5	21.8	2.498	-0.333	-0.165	-0.928
PETROPAV	1.4	1.2		.805	100	34.8	78.6	.202	-0.805	.559	-0.199
PRAGUE	-12.7	14.6		.283	100	332.7	23.8	2.267	-0.359	-0.185	-0.915

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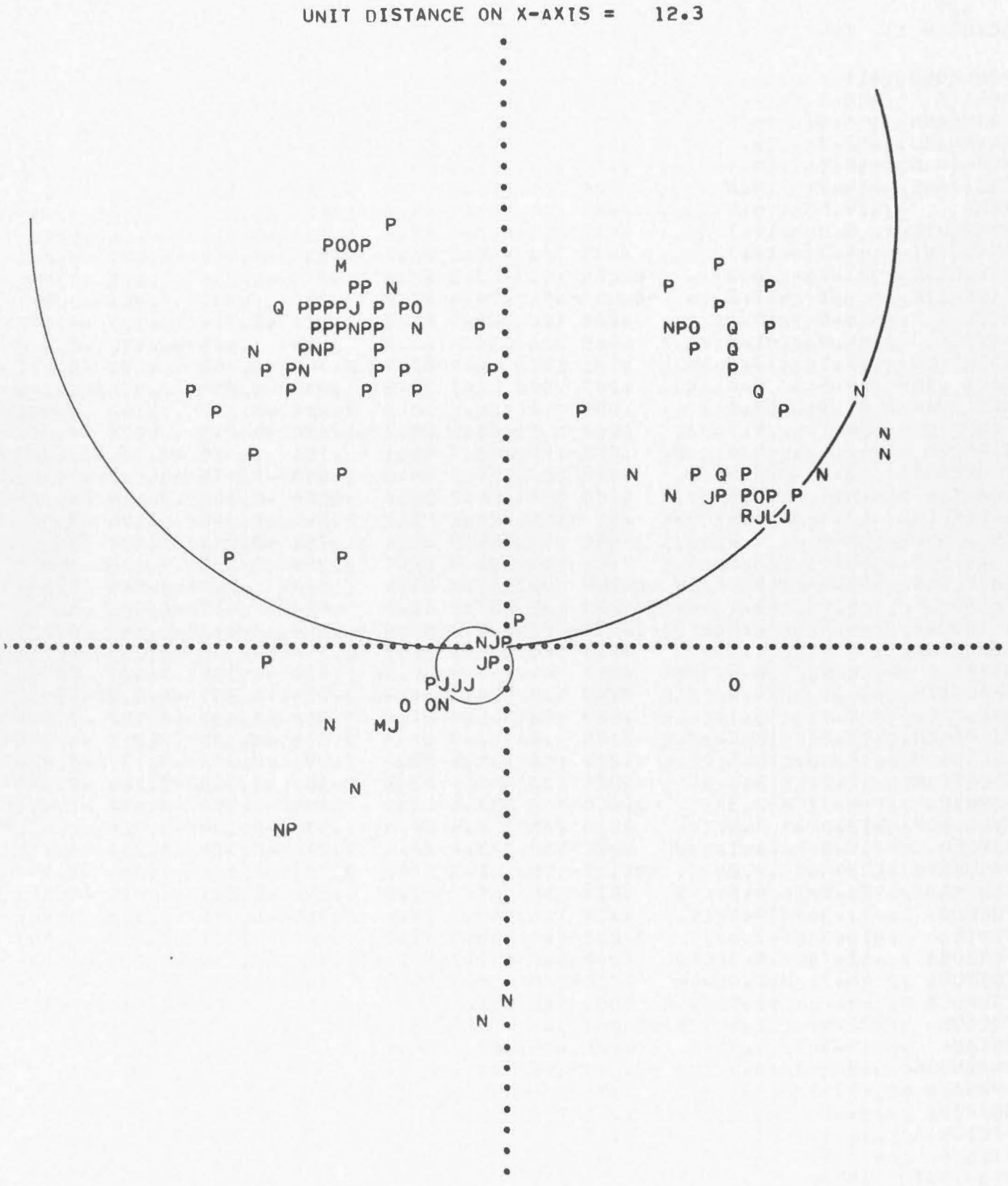
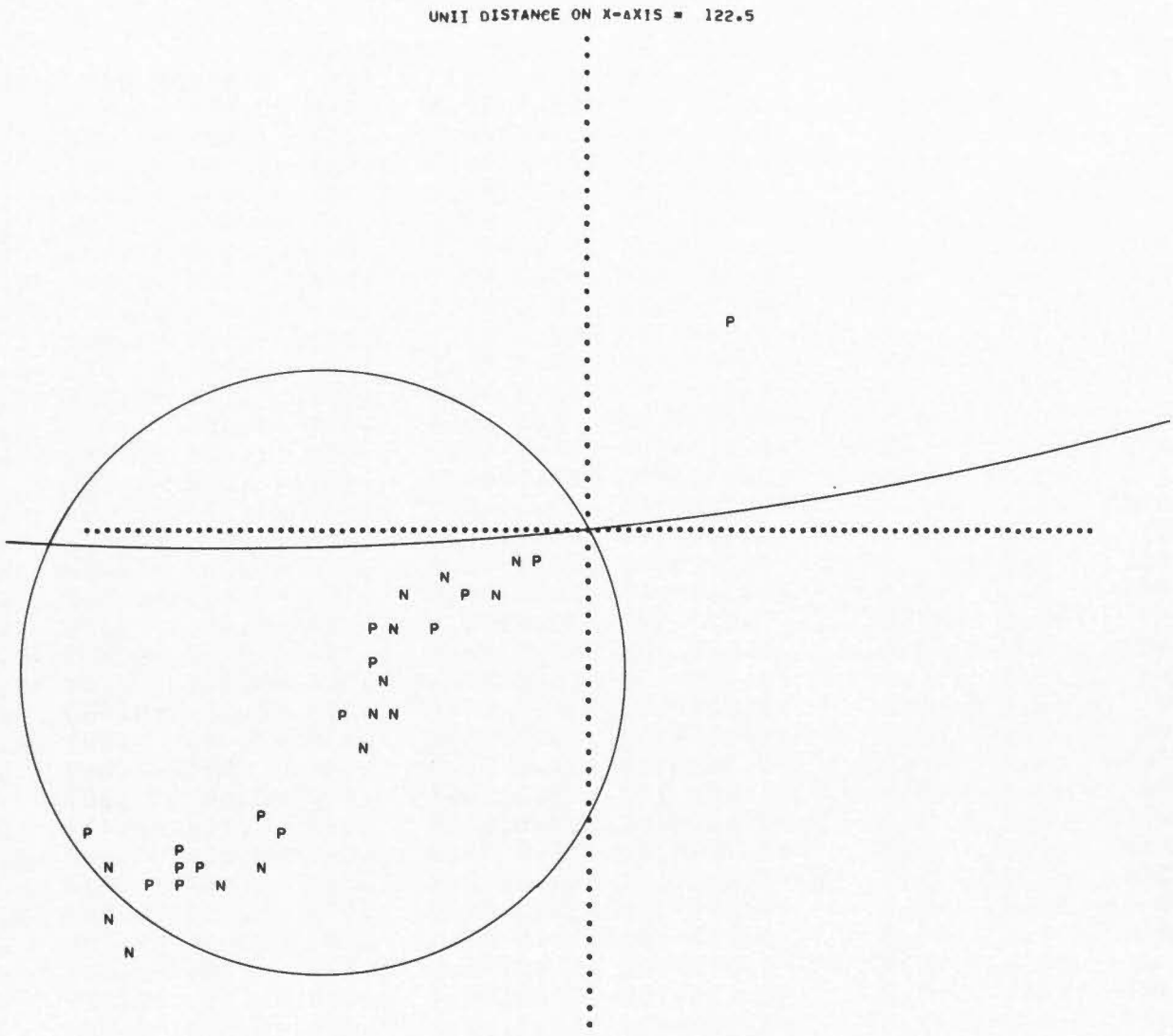
POULKOVO	-11.1	11.7		.372	100	330.8	28.3	1.854	-0.414	-0.232	-0.880
QUETTA	-22.0	4.2	W	-0.022	100	287.9	27.9	1.885	-0.144	-0.446	-0.883
RATHFARN	-6.9	16.5		.325	100	346.0	23.1	2.342	-0.381	-0.095	-0.920
RAVENSBU	-12.7	15.7		.263	100	334.4	22.6	2.399	-0.347	-0.166	-0.923
REGGIO C	-18.2	15.9		.170	100	325.9	20.7	2.650	-0.292	-0.198	-0.936
RELIZANE	-14.2	18.8		.186	100	335.9	19.4	2.837	-0.303	-0.136	-0.943
RENO	19.5	6.5		.048	100	60.5	28.7	1.826	-0.236	.418	-0.877
RESOLUTE	5.8	10.7		.593	100	17.9	32.8	1.551	-0.516	.166	-0.841
REYKJAVI	-1.5	14.7		.435	100	356.5	26.2	2.036	-0.440	-0.027	-0.898
RIVERSID	21.7	6.3		-0.028	-100	63.8	26.9	1.973	-0.200	.405	-0.892
RIVERVIE	.3	-17.2		-0.852	-100	179.4	22.9	2.371	.388	.004	-0.921
ROME	-15.8	16.1		.206	100	329.9	21.3	2.571	-0.314	-0.182	-0.932
SAIGO	-4.9	-1.8		.015	100	238.3	64.8	.470	.475	-0.770	-0.426
SAINT LO	20.1	12.3		.131	100	44.0	22.9	2.367	-0.280	.270	-0.921
SALT LAK	19.5	8.0		.098	100	55.1	27.3	1.939	-0.262	.376	-0.889
SAN JUAN	21.3	17.1		.089	1	36.5	18.8	2.929	-0.260	.192	-0.946
SANTA CL	20.1	5.9		.002	1	63.6	28.7	1.828	-0.213	.430	-0.877
SAPPORO	-1.8	-0.4	W	.202	-100	247.7	81.1	.156	.375	-0.914	-0.155
SCORESBY	-1.1	13.4		.498	100	357.2	28.4	1.850	-0.475	-0.023	-0.880
SEATTLE	16.5	7.0		.184	100	54.2	31.1	1.660	-0.302	.418	-0.857
SEVEN FA	13.4	15.4	W	.257	-100	27.2	22.7	2.395	-0.343	.176	-0.923
SHASTA	18.9	6.2		.058	100	60.8	29.5	1.764	-0.240	.430	-0.870
SHAWINIG	14.0	15.2		.249	100	28.7	22.7	2.389	-0.339	.185	-0.923
SHILLONG	-18.6	-0.5	W	-0.179	100	267.2	33.4	1.518	.027	-0.549	-0.835
SHIMONOS	-8.4	-3.2	W	-0.225	100	237.5	51.0	.810	.417	-0.655	-0.630
SHIONOMI	-4.5	-2.5		-0.037	-100	226.7	63.0	.509	.612	-0.648	-0.454
SIMFEROP	-17.5	11.6		.211	100	318.4	25.0	2.145	-0.316	-0.280	-0.906
SITKA	12.9	6.9	W	.357	-1	47.9	35.2	1.419	-0.386	.427	-0.818
SKALNATE	-14.1	13.8		.269	100	328.9	24.2	2.223	-0.351	-0.212	-0.912
SKALSTUG	-7.7	13.1		.419	100	340.9	27.6	1.914	-0.437	-0.152	-0.886
STATE CO	17.6	15.0		.178	1	34.9	21.7	2.515	-0.303	.211	-0.929
STRASBOU	-12.0	15.8		.272	100	335.9	22.7	2.391	-0.352	-0.157	-0.923
STUTTGAR	-12.2	15.6		.273	100	335.1	22.9	2.369	-0.353	-0.164	-0.921
SUMOTO	-4.7	-2.3		-0.014	-100	230.6	63.6	.495	.569	-0.692	-0.444
SVERDLOV	-13.3	8.3		.316	100	316.5	32.4	1.576	-0.389	-0.369	-0.844
SZEGED	-15.3	14.1	W	.240	-100	327.3	23.4	2.314	-0.334	-0.214	-0.918
TACUBAYA	29.6	9.2		-0.113	-100	62.3	20.1	2.731	-0.160	.304	-0.939
TINEMAHA	20.5	6.5	W	.015	-100	61.7	27.8	1.898	-0.221	.410	-0.885
TOLEDO	-11.3	19.0		.214	100	340.7	19.8	2.780	-0.319	-0.112	-0.941
TOMIE	-10.0	-3.6		-0.291	-100	238.5	46.1	.961	.377	-0.615	-0.693
TORTOSA	-12.7	18.3	W	.212	-100	337.7	20.1	2.728	-0.318	-0.131	-0.939
TOTTORI	-4.7	-2.0	W	.015	-100	234.8	64.8	.470	.521	-0.740	-0.426
TSURUGA	-4.0	-1.9		.061	100	231.0	67.2	.421	.580	-0.716	-0.388
TUCSON	22.9	7.5	W	-0.020	100	61.2	25.1	2.133	-0.205	.372	-0.905
UKIAH	19.3	5.9		.026	100	62.7	29.4	1.775	-0.225	.436	-0.871
UNZENDAK	-9.3	-3.7		-0.287	-100	236.2	47.5	.916	.410	-0.613	-0.676
UPPSALA	-9.6	13.1		.379	100	336.4	27.0	1.966	-0.415	-0.182	-0.891
URAKAWA	-1.5	-0.6		.314	100	236.7	81.9	.142	.543	-0.828	-0.141
VICTORIA	16.1	7.0	W	.198	-100	53.8	31.5	1.632	-0.309	.421	-0.853
VIENNA	-13.8	14.5		.263	100	330.6	23.5	2.302	-0.347	-0.196	-0.917
WASHINGT	18.3	15.3		.158	100	35.3	21.1	2.591	-0.294	.208	-0.933
WITTEVEE	-10.2	15.2		.314	100	338.4	23.9	2.259	-0.376	-0.149	-0.915
YAKU SHI	-9.5	-4.4		-0.350	-100	231.6	45.4	.985	.442	-0.559	-0.702
ZAGREB	-14.8	14.9		.240	100	329.6	22.7	2.385	-0.333	-0.196	-0.922

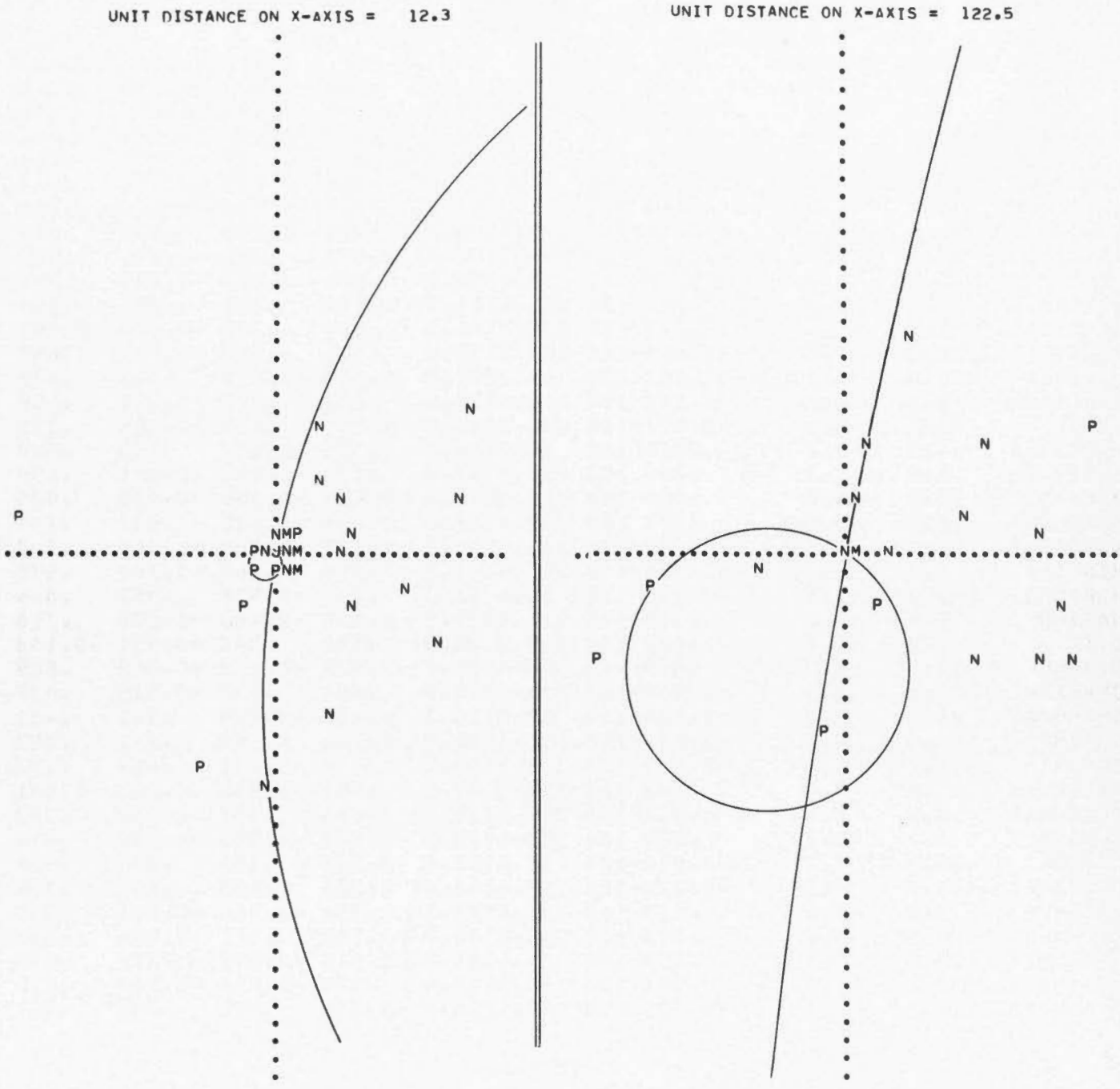

UNIT DISTANCE ON X-AXIS = 12.3


UNIT DISTANCE ON X-AXIS = 122.5

429

NOVEMBER 4, 1956 H = 05.37.15 35.6N 140.2E DEPTH 80 KM.

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
AIKAWA	.3	-0.3		.036	100	325.5	92.6	.045	-0.824	-0.565	.046
AJIRO	6.3	3.0		-0.704	-100	231.1	123.4	.658	.524	-0.650	.550
CHICHIBU	12.3	-1.6		-0.969	-100	282.6	135.7	1.025	-0.153	-0.681	.716
CHOSI	-24.0	1.8		.853	100	97.1	153.1	1.971	.056	.449	.892
FUKUSHIM	-0.2	-1.0		.001	100	6.2	98.1	.141	-0.984	.106	.141
FUNATSU	7.2	1.0		-0.916	-100	256.8	121.0	.601	.196	-0.834	.515
GIFU	.4	.0		-0.245	-100	263.2	92.1	.036	.118	-0.992	.036
HACHINOH	.2	.6		-0.022	-100	12.1	85.3	.082	-0.974	.209	-0.083
HIKONA	.0	.0		-0.184	-100	262.0	90.1	.001	.139	-0.990	.001
HIROSHIM	-1.8	-0.2		.082	100	259.7	81.7	.146	.177	-0.974	-0.145
IIDA	1.8	.1		-0.448	-100	262.8	98.5	.149	.124	-0.981	.148
KAKIOKA	-0.7	-13.0		-0.022	-100	1.8	150.9	1.799	-0.485	.016	.874
KAMEYAMA	.1	.0		-0.213	-100	254.1	90.4	.006	.274	-0.962	.006
KOFU	5.5	.3		-0.838	-100	265.4	114.3	.451	.072	-0.908	.412
KUMAGAYA	15.4	-5.1		-0.796	-100	299.1	145.2	1.437	-0.277	-0.499	.821
MAEBASI	7.2	-2.9		-0.791	-100	304.2	125.6	.715	-0.457	-0.672	.582
MATSUMOT	2.0	-0.3		-0.391	-100	285.1	99.6	.168	-0.257	-0.952	.167
MATSUSHI	2.1	-0.6		-0.360	-100	295.6	100.8	.190	-0.425	-0.886	.188
MITO	-7.2	-11.8		.217	100	19.8	150.0	1.729	-0.471	.170	.866
MIYAZAKI	-2.3	-0.6		.117	100	244.6	78.4	.204	.420	-0.885	-0.200
MORIOKA	.1	.3		-0.011	-100	10.8	87.4	.044	-0.981	.187	-0.045
NAGANO	1.8	-0.6		-0.307	-100	299.2	99.9	.173	-0.481	-0.860	.171
OBIHIRO	.6	1.2		-0.085	-100	17.2	79.8	.179	-0.940	.291	-0.177
OMAEZAKI	1.3	.6		-0.382	-100	234.5	97.7	.134	.575	-0.807	.134
ONAHOMA	-2.6	-3.2		.166	100	25.6	116.5	.497	-0.807	.387	.446
OSHIMA	4.0	3.6		-0.420	-100	213.6	120.5	.589	.718	-0.476	.508
SHIRAKAW	1.1	.2		-0.359	-100	72.9	84.8	.090	-0.294	.952	-0.090
SHIZUOKA	2.3	.7	W	-0.513	100	241.5	102.0	.212	.467	-0.859	.208
SUMOTO	-0.8	-0.1		-0.075	-100	253.3	85.9	.072	.286	-0.956	-0.072
TAKADA	1.2	-0.6		-0.158	-100	310.5	97.4	.129	-0.644	-0.754	.128
TOKYO	17.4	2.9		-0.817	-100	254.3	145.8	1.472	.152	-0.541	.827
TOMIZAKI	4.2	7.2		-0.136	-100	199.2	136.4	1.049	.651	-0.227	.724
UTUNOMIY	5.2	-8.8		-0.354	-100	340.7	142.3	1.292	-0.578	-0.202	.791
WAJIMA W	.1	-0.0		-0.008	-100	301.8	90.8	.012	-0.526	-0.850	.013
YOKOHAMA	18.4	8.4		-0.509	-100	232.2	152.2	1.899	.286	-0.368	.885

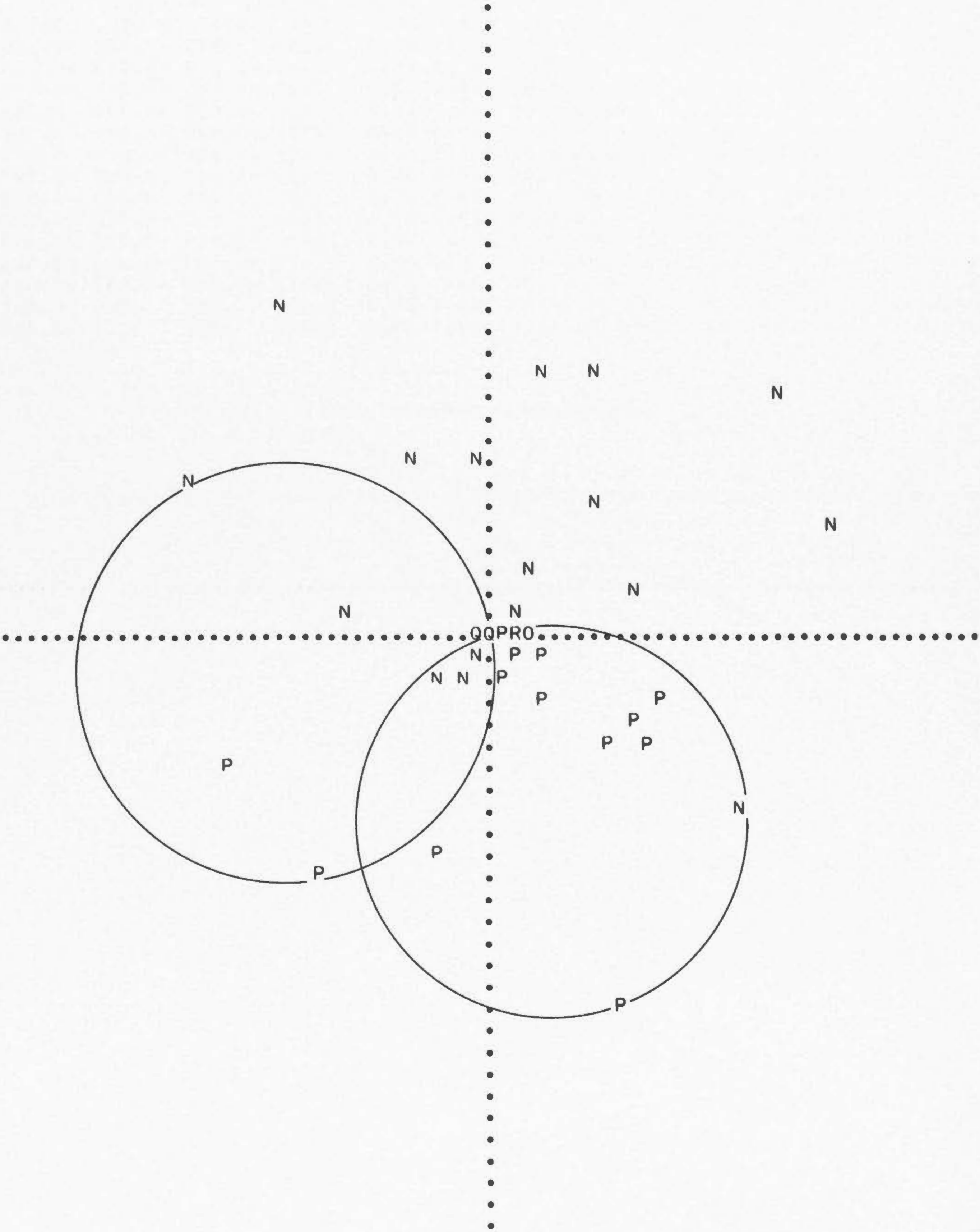

UNIT DISTANCE ON X-AXIS = 12.3
UNIT DISTANCE ON X-AXIS = 122.5

432

DECEMBER 18, 1956 H = 21.12.49 44N 130E DEPTH 600 KM.

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
AIKAWA	1.1	-1.7		.429	100	338.7	103.9	.248	-0.905	-0.352	.241
AJIRO	4.1	12.2		-0.695	-100	191.2	149.8	1.717	.494	-0.098	.864
AKITA	-0.1	-0.4	W	-0.449	100	9.2	93.4	.059	-0.986	.159	.060
CHICHIBU	10.9	-3.6		.323	100	299.0	135.6	1.020	-0.339	-0.612	.714
CHOSI	-10.7	.8	W	.479	-100	97.1	131.4	.882	.093	.744	.662
FUKUI	2.5	-0.1		.544	100	274.7	101.8	.208	-0.080	-0.976	.204
FUKUSHIM	-1.6	-1.9		-0.450	-100	26.3	106.2	.290	-0.861	.425	.279
FUNATSU	21.9	11.4		-0.617	-100	228.7	157.2	2.378	.256	-0.291	.922
GIFU	3.4	.4		-0.010	-100	257.6	105.9	.284	.207	-0.939	.273
HIKONA	2.4	.3		.034	100	256.9	101.2	.198	.221	-0.956	.194
HIROSHIM	-0.7	-0.1		.205	100	256.9	86.7	.057	.226	-0.972	-0.057
IIDA	10.9	1.9		-0.427	-100	253.3	133.0	.931	.210	-0.701	.682
KAKIOKA	-20.0	-5.7		.067	100	64.2	151.2	1.815	-0.210	.435	.876
KAMEYAMA	2.3	.6		-0.280	-100	246.8	101.4	.202	.387	-0.901	.198
KOFU	25.7	5.5		-0.491	-100	250.2	155.9	2.231	.138	-0.385	.913
KUMAGAYA	-4.3	-9.7		.018	100	14.8	144.0	1.377	-0.568	.150	.809
KYOTO	1.6	.3		.000	100	254.4	97.8	.137	.266	-0.954	.136
MAEBASI	10.2	-16.5		.004	100	340.0	157.6	2.427	-0.358	-0.130	.925
MATSUMOT	12.7	-2.6		.173	100	289.1	137.6	1.095	-0.221	-0.637	.739
MATSUSHI	11.5	-5.1		.286	100	306.9	139.7	1.177	-0.388	-0.518	.762
MISHIMA	8.3	12.2		-0.735	-100	201.9	151.2	1.815	.448	-0.180	.876
MORIOKA	-0.2	-0.3	W	-0.640	100	20.6	92.5	.043	-0.935	.352	.044
NAGANO	9.4	-5.0		.385	100	311.7	135.9	1.030	-0.463	-0.520	.718
OITA	-1.2	-0.3		.022	100	249.5	83.8	.108	.348	-0.931	-0.108
OIWAKE	19.0	-8.4	W	.019	-100	306.6	152.7	1.937	-0.273	-0.368	.889
OMAEZAKI	3.4	2.9		-0.984	-100	215.0	115.9	.485	.737	-0.515	.437
ONAHOMA	-4.1	-2.0		-0.188	-100	50.0	113.7	.437	-0.589	.701	.401
OSHIMA	-0.9	8.3		-0.584	-100	176.4	138.9	1.144	.656	.041	.753
SENDAI	-1.0	-1.1		-0.559	-100	27.8	100.2	.179	-0.871	.458	.177
SHIRAKAW	.6	.1		.093	100	75.5	87.1	.051	-0.250	.967	-0.051
SHIZUOKA	8.1	5.9		-0.912	-100	219.0	136.3	1.046	.537	-0.435	.723
TAKADA	3.7	-3.2		.622	100	325.4	118.3	.538	-0.725	-0.499	.474
TOKYO	-23.3	7.2		-0.012	-100	117.6	155.0	2.142	.196	.375	.906
TOMIZAKI	-6.2	8.1		-0.223	-100	155.6	140.8	1.226	.575	.261	.775
TOYAMA	3.9	-1.1		.817	100	296.2	109.5	.354	-0.416	-0.846	.334
TSURUGA	2.3	.1		.313	100	265.9	100.7	.188	.071	-0.980	.186
UTUNOMIY	-12.6	-10.9		.000	100	34.4	151.2	1.815	-0.398	.272	.876
WAJIMA W	2.1	-1.0		.931	100	308.2	102.4	.220	-0.604	-0.767	.215
YOKOHAMA	-16.3	15.1		-0.269	-100	147.5	158.0	2.476	.316	.201	.927

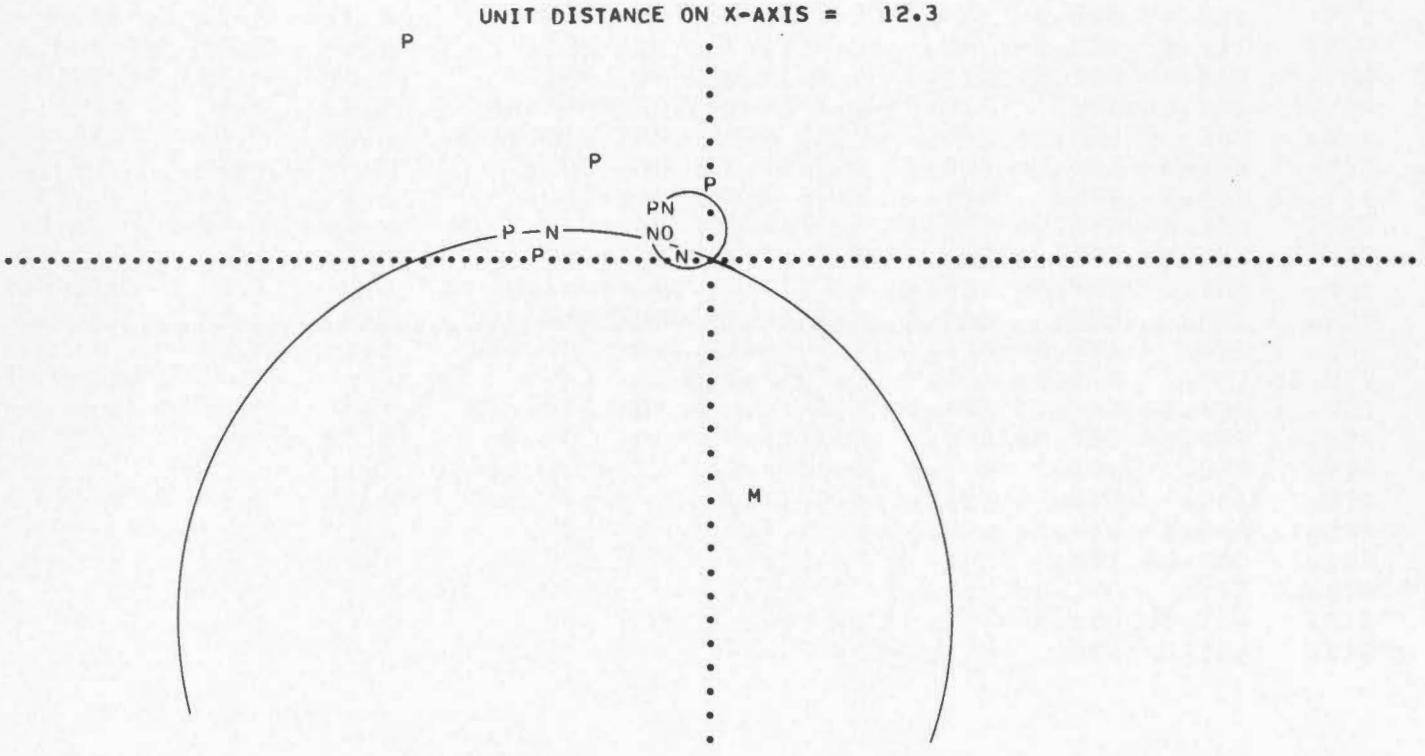
UNIT DISTANCE ON X-AXIS = 12.3

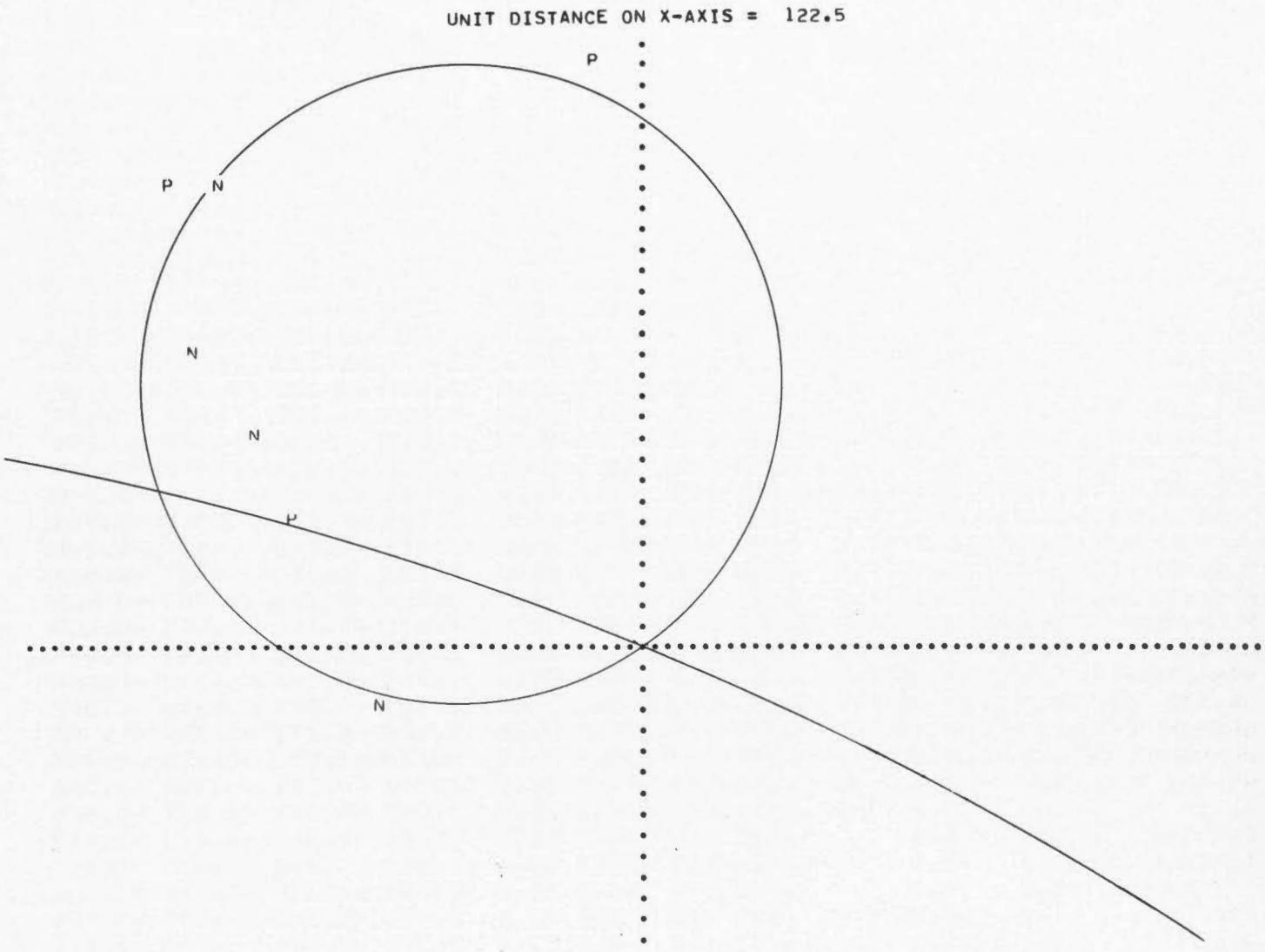


442

* MARCH 8, 1957 H = 12.14.14 39.5N 22.8E DEPTH 25 KM. M = 6.5

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
MESSINA	-2.1	-0.3		-0.026	-100	257.5	80.2	.172	.213	-0.962	-0.170
ROME	-2.8	.6		.000	100	289.1	76.2	.244	-0.318	-0.918	-0.238
FLORENCE	-3.1	1.0		-0.026	-100	299.0	73.8	.290	-0.465	-0.840	-0.279
PAVIA	-3.6	1.4		-0.016	-100	303.1	70.6	.352	-0.515	-0.790	-0.333
WARSAW	-0.4	2.8		.006	100	355.0	68.8	.388	-0.929	-0.081	-0.362
STUTTGAR	-3.4	2.2		-0.010	-100	317.5	67.6	.411	-0.681	-0.625	-0.381
STRASBOU	-3.8	2.2		.009	100	314.4	66.6	.431	-0.643	-0.655	-0.397
KEW	-7.6	4.3		.261	100	313.9	49.3	.861	-0.525	-0.546	-0.653
TOLEDO	-11.3	1.1		-0.001	-100	279.2	47.0	.932	-0.117	-0.722	-0.682
CARTUJA	-11.6	.2	W	-0.083	1	271.5	46.5	.950	-0.019	-0.725	-0.689
LISBON	-13.5	1.1		.017	100	278.0	41.8	1.117	-0.093	-0.660	-0.745
PALISADE	-20.7	9.1		.428	100	306.7	25.3	2.111	-0.256	-0.343	-0.904
RUMANGAB	3.0	-10.2		-0.519	-100	170.1	34.9	1.432	.564	.099	-0.820
ASTRIDA	3.2	-10.3		-0.507	-100	169.7	34.6	1.449	.559	.101	-0.823




UNIT DISTANCE ON X-AXIS = 122.5
P
P
N
N
N
P
N

444

MARCH 9, 1957 H = 20.39.15 52.5N 169.5W DEPTH NORMAL M = 6.8

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ABUYAMA	-17.7	-0.4		.411	100	267.6	34.7	1.444	.024	-0.568	-0.822
ALICANTE	5.2	20.2		.182	1	8.6	19.5	2.821	-0.330	.050	-0.943
BALBOA	31.7	1.8		-0.071	-100	84.6	21.0	2.600	-0.034	.357	-0.933
BARCELON	3.7	19.6	W	.196	-100	6.3	20.2	2.722	-0.343	.038	-0.939
BASEL	1.1	18.0		.224	100	2.0	22.0	2.481	-0.374	.013	-0.928
BESCANCO	1.7	18.0	W	.218	-100	3.1	21.9	2.491	-0.372	.020	-0.928
BOULDER	17.5	-0.3	W	-0.020	100	91.4	34.9	1.432	.014	.572	-0.820
BOZEMAN	16.5	2.3	W	.008	-100	76.6	35.8	1.385	-0.136	.569	-0.811
BUTTE	16.4	2.2		.010	100	77.0	36.1	1.371	-0.133	.574	-0.808
CAMPULUN	-5.6	18.2	W	.285	-100	349.7	21.5	2.545	-0.360	-0.066	-0.931
CARTUJA	6.8	20.2		.170	100	11.2	19.4	2.845	-0.325	.064	-0.943
CHEB	-0.6	17.2	W	.245	-100	358.8	22.8	2.378	-0.387	-0.008	-0.922
CHICAGO	18.7	4.8		-0.005	-100	66.6	31.0	1.663	-0.205	.473	-0.857
CHIHUAHU	19.8	-0.3		-0.046	-100	91.6	31.7	1.618	.014	.525	-0.851
CLEVELAN	19.2	5.7		-0.003	-100	63.1	29.7	1.753	-0.224	.442	-0.869
COLUMBIA	21.8	5.0		-0.014	-100	68.9	27.6	1.910	-0.167	.433	-0.886
COPENHAG	-0.5	15.8		.251	100	358.8	24.6	2.180	-0.417	-0.008	-0.909
CORVALLI	15.5	.6		.020	100	86.3	38.2	1.272	-0.040	.616	-0.786
DURHAM	3.4	15.8		.200	100	7.3	24.5	2.195	-0.411	.053	-0.910
FLORENCE	-0.3	19.2		.231	100	359.4	20.7	2.642	-0.354	-0.003	-0.935
FLORISSA	19.4	3.9	W	-0.009	1	71.1	30.9	1.674	-0.166	.485	-0.859
GORIS	-14.6	16.8		.355	100	332.8	21.0	2.606	-0.319	-0.163	-0.934
HAMILTON	18.6	6.2		.000	100	60.6	29.8	1.745	-0.244	.433	-0.868
HAWAII	6.7	-8.9		-0.573	-100	156.1	36.7	1.343	.546	.242	-0.802
HERMANUS	-60.6	87.4		.068	100	337.7	4.4	13.026	-0.071	-0.029	-0.997
HERMANUS	-14.6	21.0		.292	100	337.7	17.7	3.130	-0.282	-0.116	-0.952
HUNGRY H	15.8	2.6	W	.013	-100	74.4	36.7	1.340	-0.161	.576	-0.802
IASI	-6.1	17.4		.299	100	348.2	22.2	2.452	-0.370	-0.077	-0.926
IRKUTSK	-15.5	6.7		.628	100	306.1	32.6	1.566	-0.317	-0.435	-0.843
ISABELLA	17.2	-0.8		-0.026	-100	94.8	35.4	1.406	.048	.577	-0.815
ISTANBUL	-8.0	19.0		.293	100	346.0	20.4	2.694	-0.338	-0.084	-0.938
KARLSRUH	.7	17.5		.229	100	1.4	22.4	2.421	-0.382	.009	-0.924
KEW	3.4	16.6		.201	100	7.0	23.4	2.309	-0.394	.048	-0.918
KIROVOBA	-14.1	16.6		.359	100	333.3	21.4	2.557	-0.325	-0.164	-0.931
KSARA	-12.6	19.5		.306	100	339.1	19.1	2.883	-0.306	-0.117	-0.945
LA PAZ	37.3	-0.5		-0.098	-100	91.3	18.2	3.046	.007	.312	-0.950
LEMBANG	-34.8	-3.6		.138	100	260.2	19.1	2.885	.056	-0.323	-0.945
LISBON	8.9	19.4	W	.154	-100	15.3	19.8	2.773	-0.327	.089	-0.941
LWIRO	-36.2	49.8		.127	100	336.7	7.6	7.479	-0.122	-0.052	-0.991
MALAGA	7.2	20.3		.167	1	11.9	19.3	2.855	-0.323	.068	-0.944
MANILLA	-24.4	-1.9	W	.242	-100	262.7	26.5	2.005	.057	-0.443	-0.895
MATSUSHI	-17.2	-0.5		.416	100	267.3	35.4	1.409	.027	-0.578	-0.816
M BOUR	17.6	19.5	W	.100	-100	28.2	18.2	3.046	-0.275	.148	-0.950
MERIDA	25.0	1.4		-0.056	-1	84.7	26.0	2.046	-0.041	.437	-0.898
MESZSTET	.5	17.8		.230	100	1.0	22.2	2.455	-0.377	.007	-0.926
MINERAL	16.4	-0.2		-0.002	-100	91.4	36.8	1.336	.014	.599	-0.801
MONTREAL	18.0	7.4		.008	100	55.0	29.2	1.789	-0.280	.400	-0.873
MOUNT HA	16.6	-0.9		-0.021	-100	95.5	36.2	1.365	.056	.588	-0.807
NENCHATE	1.3	18.1		.221	100	2.5	21.8	2.503	-0.371	.016	-0.929
OTTAWA	18.0	7.1		.005	100	56.3	29.6	1.762	-0.274	.410	-0.870
PALISADE	19.6	7.0		.003	100	58.8	28.1	1.875	-0.244	.402	-0.882
PALO ALT	16.6	-1.0		-0.021	-100	95.8	36.3	1.360	.060	.589	-0.806
PAVIA	.5	18.7		.226	100	.9	21.2	2.582	-0.361	.006	-0.933
PETROPAV	-8.8	1.3	W	.876	-100	283.7	53.5	.739	-0.191	-0.781	-0.594
PRAGUE	-1.3	17.2		.253	100	357.4	22.8	2.376	-0.387	-0.018	-0.922
QUETTA	-23.5	13.2		.395	100	313.5	20.7	2.643	-0.243	-0.257	-0.935
RAPID CI	17.2	3.0		.002	100	73.8	34.4	1.460	-0.158	.542	-0.825

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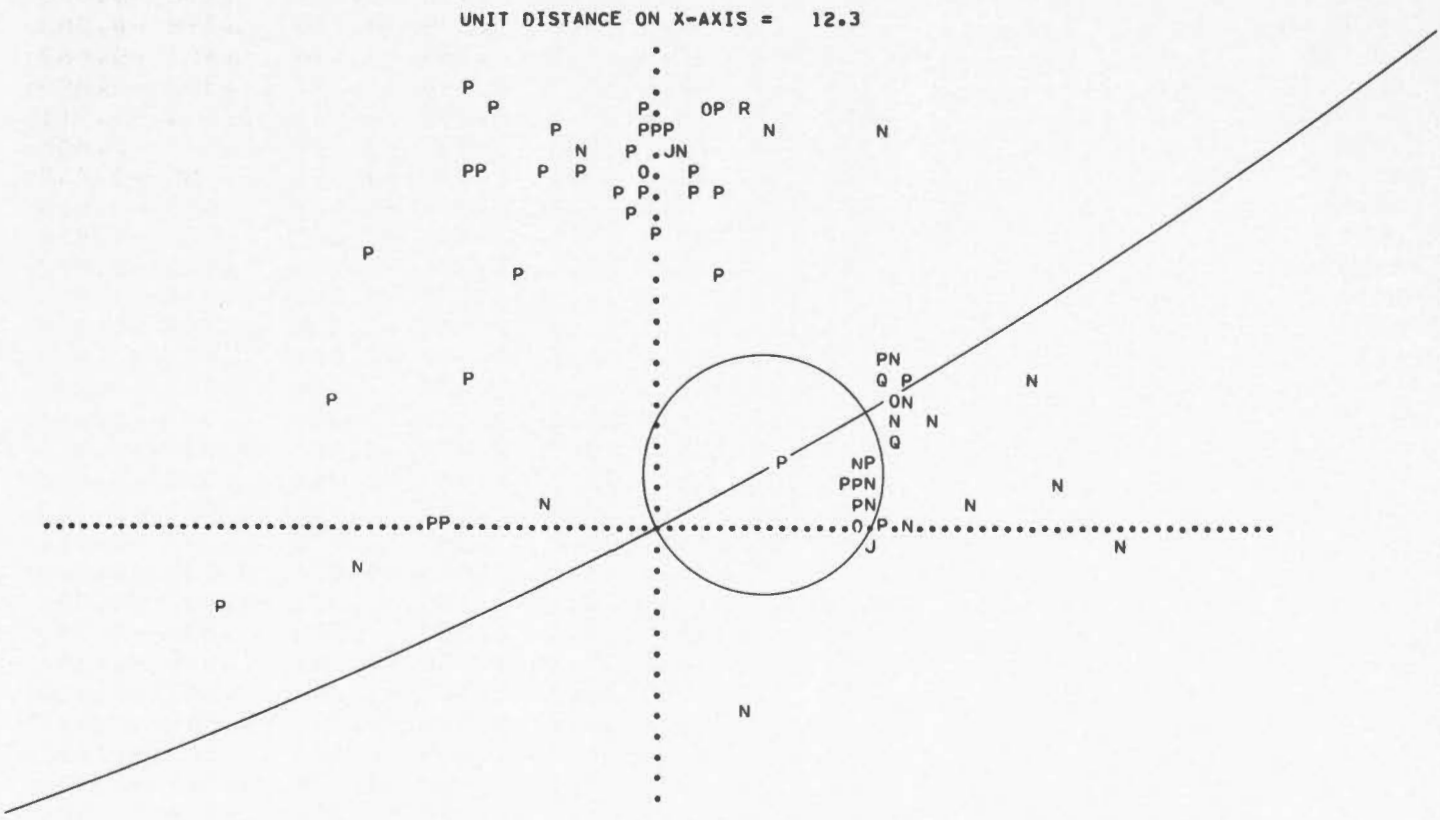
MARCH 9, 1957 H = 20.39.15 52.5N 169.5W DEPTH NORMAL M = 6.8

RATHFARN	4.9	15.9		.182	100	10.4	24.2	2.226	-0.403	.074	-0.912
RIVERSID	17.4	-1.0	W	-0.034	100	95.7	35.0	1.429	.057	.570	-0.820
ROME	-0.9	19.7		.233	100	358.5	20.2	2.713	-0.346	-0.009	-0.938
SAINT LO	19.5	3.9	W	-0.010	100	71.1	30.8	1.679	-0.165	.484	-0.859
SALT LAK	17.2	1.2		-0.000	-100	83.5	35.2	1.416	-0.066	.573	-0.817
SAN JUAN	29.8	7.0		-0.023	-100	68.4	20.9	2.620	-0.131	.331	-0.934
SCORESBY	4.6	12.0		.152	100	12.7	30.6	1.692	-0.496	.112	-0.861
SEATTLE	15.1	1.5		.026	100	80.4	38.6	1.253	-0.104	.615	-0.782
SHASTA	16.2	-0.3		.000	100	91.5	37.1	1.324	.016	.602	-0.798
SHAWINIG	17.6	7.7		.009	100	53.6	29.3	1.780	-0.290	.394	-0.872
SHILLONG	-25.7	6.3		.428	100	292.5	23.7	2.275	-0.154	-0.371	-0.916
SIMFEROP	-8.8	17.4		.320	100	343.2	21.8	2.503	-0.355	-0.107	-0.929
SITKA	9.7	2.8		.015	1	63.8	48.5	.886	-0.331	.671	-0.663
SKALSTUG	-0.4	14.1		.254	100	359.1	27.2	1.944	-0.457	-0.007	-0.889
STATE CO	19.6	6.3		-0.001	-100	61.4	28.8	1.820	-0.230	.423	-0.876
STRASBOU	1.0	17.7		.226	100	1.8	22.3	2.438	-0.379	.012	-0.925
SVERDLOV	-11.1	12.3		.445	100	331.8	27.5	1.923	-0.407	-0.218	-0.887
TANANARI	-77.3	32.3		.120	100	305.2	7.4	7.727	-0.074	-0.105	-0.992
TOLEDO	6.5	19.6		.172	100	11.2	19.9	2.758	-0.334	.066	-0.940
TORTOSA	4.4	19.7		.189	100	7.6	20.0	2.740	-0.340	.045	-0.939
TRIESTE	-1.3	18.6		.243	100	357.7	21.3	2.561	-0.363	-0.015	-0.932
UPPSALA	-1.7	14.8		.272	100	356.1	26.0	2.050	-0.437	-0.030	-0.899
UVIRA	-37.5	49.7		.127	100	335.9	7.6	7.505	-0.120	-0.054	-0.991
VIENNA	-2.1	17.7		.257	100	356.0	22.2	2.448	-0.377	-0.026	-0.926
WARSAW	-3.3	16.4		.280	100	353.3	23.7	2.282	-0.398	-0.047	-0.916
WESTON	19.2	7.6	W	.007	-100	56.1	27.9	1.885	-0.261	.389	-0.883



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MARCH 14, 1957 H = 14.47.45 51.5N 177W DEPTH NORMAL M = 7.5

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ABERDEEN	1.3	15.7	W	.001	-1	2.9	24.8	2.163	-0.419	.021	-0.908
ABUYAMA	-16.8	-1.3		-0.047	-100	262.4	35.9	1.382	.078	-0.581	-0.810
ALICANTE	1.7	20.7	W	-0.005	1	2.7	19.3	2.862	-0.329	.016	-0.944
ALMERIA	2.7	20.9		-0.005	-1	4.4	19.0	2.898	-0.325	.025	-0.945
ANN ARBO	19.1	6.9		.142	100	58.7	28.7	1.829	-0.249	.410	-0.877
APIA	2.4	-14.3		-0.488	-100	174.4	26.8	1.982	.448	.044	-0.893
ASTRIDA	-50.9	44.9		-0.092	-100	326.1	7.6	7.454	-0.110	-0.074	-0.991
ATHENS	-9.7	19.7	W	.003	-100	343.8	19.5	2.823	-0.320	-0.093	-0.943
BACAU	-8.6	17.2	W	.016	-100	343.5	22.0	2.475	-0.359	-0.106	-0.927
BALBOA	33.4	4.0	W	.078	-100	78.7	19.8	2.781	-0.067	.332	-0.941
BANFF	15.4	4.1		.244	100	65.8	36.0	1.377	-0.241	.536	-0.809
BARRETT	18.7	.0		.297	100	89.8	33.2	1.527	-0.002	.548	-0.837
BASEL	-1.7	18.2	W	.003	-100	356.8	21.6	2.521	-0.368	-0.020	-0.930
BELGRADE	-6.8	18.3	W	.008	-100	347.6	21.1	2.590	-0.352	-0.077	-0.933
BERKELEY	17.3	.4	W	.332	-100	88.0	35.2	1.417	-0.021	.576	-0.817
BERMUDA	23.3	10.3		.079	100	53.3	22.9	2.372	-0.232	.311	-0.922
BESCANCO	-1.1	18.4		.002	100	357.9	21.5	2.535	-0.367	-0.013	-0.930
BIG BEAR	18.4	.4		.305	100	88.0	33.7	1.499	-0.019	.554	-0.832
BOULDER	18.3	1.0		.300	100	84.6	33.6	1.502	-0.052	.552	-0.833
BOZEMAN	16.8	3.4		.263	100	71.0	34.6	1.448	-0.185	.537	-0.823
BUENOS A	93.4	-3.3		-0.095	-100	93.4	7.5	7.642	.008	.129	-0.992
BUTTE	16.7	3.3		.269	100	71.4	34.9	1.434	-0.182	.542	-0.820
CAMPULUN	-8.3	17.8		.013	100	344.5	21.5	2.542	-0.353	-0.098	-0.931
CARTUJA	3.2	20.9		-0.005	-100	5.3	19.1	2.889	-0.326	.030	-0.945
CHEB	-3.2	17.3	W	.007	-100	353.8	22.6	2.405	-0.382	-0.041	-0.923
CHIHUAHU	21.1	1.1	W	.239	-100	85.0	30.0	1.731	-0.043	.498	-0.866
CHINA LA	18.1	.6		.311	100	86.8	34.1	1.476	-0.031	.560	-0.828
CHINCHIN	35.1	4.4		.065	100	78.0	18.8	2.930	-0.067	.316	-0.946
CLEVELAN	19.5	7.2		.134	100	58.0	28.0	1.879	-0.249	.398	-0.883
COLLEGE	6.6	5.1	W	-0.051	100	37.5	48.5	.883	-0.594	.457	-0.662
COLUMBIA	22.4	6.6		.136	100	63.4	26.0	2.046	-0.197	.392	-0.899
COPENHAG	-2.6	15.9		.010	100	354.4	24.4	2.203	-0.411	-0.040	-0.911
CORVALLI	16.4	1.8	W	.330	-100	79.7	36.4	1.357	-0.106	.583	-0.805
DALTON	18.3	.3		.306	100	88.3	33.7	1.497	-0.016	.555	-0.832
DURHAM	1.3	16.2	W	.001	-100	2.8	24.0	2.240	-0.407	.020	-0.913
EUREKA	17.6	1.6		.307	100	81.5	34.5	1.456	-0.083	.560	-0.824
FAYETTEV	20.5	4.4		.195	100	70.3	29.3	1.781	-0.165	.461	-0.872
FLORENCE	-3.4	19.3		.001	100	354.0	20.5	2.671	-0.349	-0.037	-0.937
FOCSANI	-9.0	17.4	W	.015	-100	343.1	21.7	2.509	-0.354	-0.108	-0.929
FRESNO	17.7	.5		.322	100	87.4	34.6	1.447	-0.026	.568	-0.823
FUKUOKO	-17.5	-0.8		-0.022	-100	265.3	34.8	1.436	.046	-0.569	-0.821
HALIFAX	17.9	10.6		.069	100	44.9	25.8	2.066	-0.309	.307	-0.900
HAMBURG	-2.1	16.5		.007	100	355.7	23.7	2.278	-0.401	-0.030	-0.916
HAMILTON	18.9	7.6		.124	100	55.6	28.2	1.868	-0.266	.389	-0.882
HATINOHE	-15.4	-0.8		.022	100	265.0	38.5	1.258	.054	-0.620	-0.783
HAWAII	9.8	-8.0		-0.155	-100	144.0	36.2	1.365	.478	.348	-0.807
HELWAN	-15.0	19.6		.002	1	335.5	18.6	2.965	-0.291	-0.132	-0.948
HERMANUS	-25.2	17.5		-0.008	-100	319.5	17.7	3.175	-0.231	-0.197	-0.953
HONOLULU	8.9	-8.0	W	-0.194	100	146.6	37.1	1.323	.503	.332	-0.798
HORSESHO	15.4	2.9		.301	100	72.3	37.2	1.319	-0.184	.575	-0.797
HUNGRY H	16.1	3.6		.261	100	69.1	35.4	1.407	-0.206	.541	-0.815
IRKUTSK	-15.4	6.0		.198	100	303.4	33.6	1.504	-0.304	-0.462	-0.833
ISABELLA	18.0	.4		.315	100	87.6	34.2	1.469	-0.023	.562	-0.827
KARLSRUH	-1.9	17.8		.004	100	356.4	22.1	2.458	-0.376	-0.024	-0.926
KEW	1.1	17.1		.001	100	2.1	22.9	2.361	-0.390	.014	-0.921
KING RAN	17.9	.2		.318	100	89.0	34.4	1.460	-0.010	.565	-0.825
KIRKLAND	17.0	8.0		.113	100	51.7	29.5	1.769	-0.305	.386	-0.871

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MARCH 14, 1957 H = 14.47.45 51.5N 177W DEPTH NORMAL M = 7.5

KIROVOBA	-16.2	15.4		.031	100	328.0	21.8	2.498	-0.315	-0.197	-0.928
KIRUNA	-2.9	13.1		.015	100	352.5	28.7	1.828	-0.476	-0.063	-0.877
KSARA	-15.8	18.5		.007	100	333.1	19.3	2.857	-0.295	-0.149	-0.944
LA PAZ	88.5	3.9		-0.081	-100	85.8	7.9	7.241	-0.010	.136	-0.991
LEMBANG	-32.3	-5.4		-0.228	-100	254.3	20.1	2.737	.093	-0.330	-0.939
LISBON	5.7	20.3		-0.004	-100	9.5	19.4	2.836	-0.328	.055	-0.943
LWIRO	-49.2	45.5		-0.091	-100	327.4	7.6	7.453	-0.112	-0.072	-0.991
MAEBASI	-16.2	-1.5	W	-0.052	100	261.2	36.8	1.335	.092	-0.592	-0.801
MANILLA	-22.3	-3.1	W	-0.181	100	256.8	28.2	1.866	.107	-0.460	-0.882
MATSUSHI	-16.3	-1.3		-0.041	-100	262.1	36.7	1.342	.082	-0.592	-0.802
MELBOURN	-17.8	-18.8		-0.429	-100	209.3	18.6	2.967	.278	-0.156	-0.948
MERIDA	26.3	3.1	W	.147	-1	78.6	24.6	2.189	-0.082	.407	-0.910
MESZSTET	-2.2	18.0		.004	100	355.9	21.9	2.492	-0.371	-0.026	-0.928
MINERAL	17.1	1.0		.330	100	84.4	35.5	1.403	-0.057	.577	-0.815
MONACO	-1.8	19.4		-0.000	-100	356.8	20.5	2.679	-0.349	-0.020	-0.937
MONTREAL	18.0	8.9	W	.098	-100	50.2	27.6	1.910	-0.297	.356	-0.886
MOUNT HA	17.5	.3		.329	100	88.1	35.0	1.426	-0.019	.574	-0.819
TSUKUBA	-16.0	-1.7		-0.068	-100	259.9	37.0	1.326	.105	-0.593	-0.799
NENCHATE	-1.5	18.4		.002	100	357.3	21.4	2.545	-0.365	-0.017	-0.931
NOUMEA	-7.6	-15.9		-0.524	-100	195.8	23.7	2.282	.386	-0.109	-0.916
OTTAWA	18.1	8.5		.105	100	51.5	28.0	1.883	-0.292	.367	-0.883
PALISADE	19.8	8.6		.106	100	53.7	26.5	2.005	-0.264	.360	-0.895
PALOMAR	18.5	.2		.302	100	88.9	33.5	1.510	-0.011	.552	-0.834
PASADENA	18.2	.2		.309	100	89.0	33.9	1.488	-0.009	.558	-0.830
PAVIA	-2.5	18.9		.002	100	355.6	20.9	2.618	-0.356	-0.027	-0.934
PERTH	-29.7	-13.2		-0.342	-100	233.2	18.3	3.031	.188	-0.251	-0.950
PETROPAV	-5.5	.8		.743	100	284.7	65.3	.460	-0.230	-0.879	-0.418
PIETERMA	-89.7	39.6		-0.122	-100	306.7	6.2	9.136	-0.065	-0.087	-0.994
PRAGUE	-3.8	17.2	W	.008	-100	352.5	22.6	2.399	-0.381	-0.050	-0.923
PRETORIA	-77.2	44.0		-0.113	-100	313.9	6.5	8.752	-0.079	-0.082	-0.994
POULKOVO	-6.3	14.2		.030	100	345.3	26.3	2.022	-0.429	-0.112	-0.896
QUETTA	-24.3	11.3		.026	100	308.0	21.6	2.522	-0.227	-0.290	-0.930
RAPID CI	17.5	4.1		.230	100	68.4	33.0	1.540	-0.201	.506	-0.839
RATHFARN	2.8	16.5		.000	100	5.7	23.7	2.282	-0.399	.040	-0.916
REGGIO C	-6.0	20.4	W	-0.001	100	350.0	19.3	2.852	-0.326	-0.057	-0.944
RENO	17.4	1.1		.323	100	84.1	35.1	1.424	-0.059	.572	-0.818
RIVERSID	18.3	.3		.306	100	88.6	33.7	1.497	-0.014	.555	-0.832
RIVERVIE	-15.3	-18.5		-0.446	-100	206.0	19.4	2.844	.298	-0.146	-0.943
ROME	-4.1	19.7		.001	100	352.9	20.1	2.738	-0.340	-0.042	-0.939
SAINT LO	20.1	5.4		.175	100	65.7	29.1	1.800	-0.200	.443	-0.874
SAINT VI	32.0	10.2		.055	100	61.7	18.6	2.963	-0.151	.281	-0.948
SANTA LU	89.4	-10.3	W	-0.103	100	101.1	7.7	7.433	.026	.131	-0.991
SALT LAK	17.7	2.4		.285	100	77.3	34.0	1.484	-0.123	.545	-0.829
SAN JUAN	30.4	9.3		.067	100	62.6	19.7	2.794	-0.155	.299	-0.942
SANTA CL	17.4	.3		.330	100	88.3	35.1	1.424	-0.017	.574	-0.819
SAPPORO	-15.1	-0.1	W	.089	-100	269.4	39.1	1.231	.006	-0.630	-0.776
SCORESBY	3.6	12.4		-0.014	-100	9.8	29.9	1.739	-0.491	.084	-0.867
SEATTLE	15.8	2.6		.309	100	74.5	36.7	1.342	-0.159	.576	-0.802
SHASTA	17.0	1.0		.334	100	84.5	35.7	1.394	-0.056	.580	-0.813
SHAWINIG	17.5	9.1		.093	100	48.9	27.8	1.899	-0.306	.351	-0.885
SHILLONG	-25.1	4.7		.016	100	287.4	25.0	2.146	-0.126	-0.403	-0.907
SHIMONOS	-17.4	-0.9		-0.021	-100	265.3	35.0	1.428	.047	-0.571	-0.819
SIMFEROP	-11.3	16.7		.022	100	338.1	22.0	2.479	-0.347	-0.139	-0.927
SITKA	11.9	3.9		.243	1	60.9	42.0	1.110	-0.325	.585	-0.743
STATE CO	19.9	7.8		.120	100	56.3	27.2	1.949	-0.253	.380	-0.890
STRASBOU	-1.7	17.9		.003	100	356.8	22.0	2.476	-0.374	-0.021	-0.927
SVERDLOV	-12.1	11.6		.084	100	328.2	28.0	1.881	-0.399	-0.247	-0.883
TACUBAYA	25.0	.8	W	.172	-100	86.9	26.1	2.045	-0.023	.439	-0.898
TANANARI	-83.6	24.4	W	-0.128	100	296.2	7.5	7.606	-0.058	-0.117	-0.991

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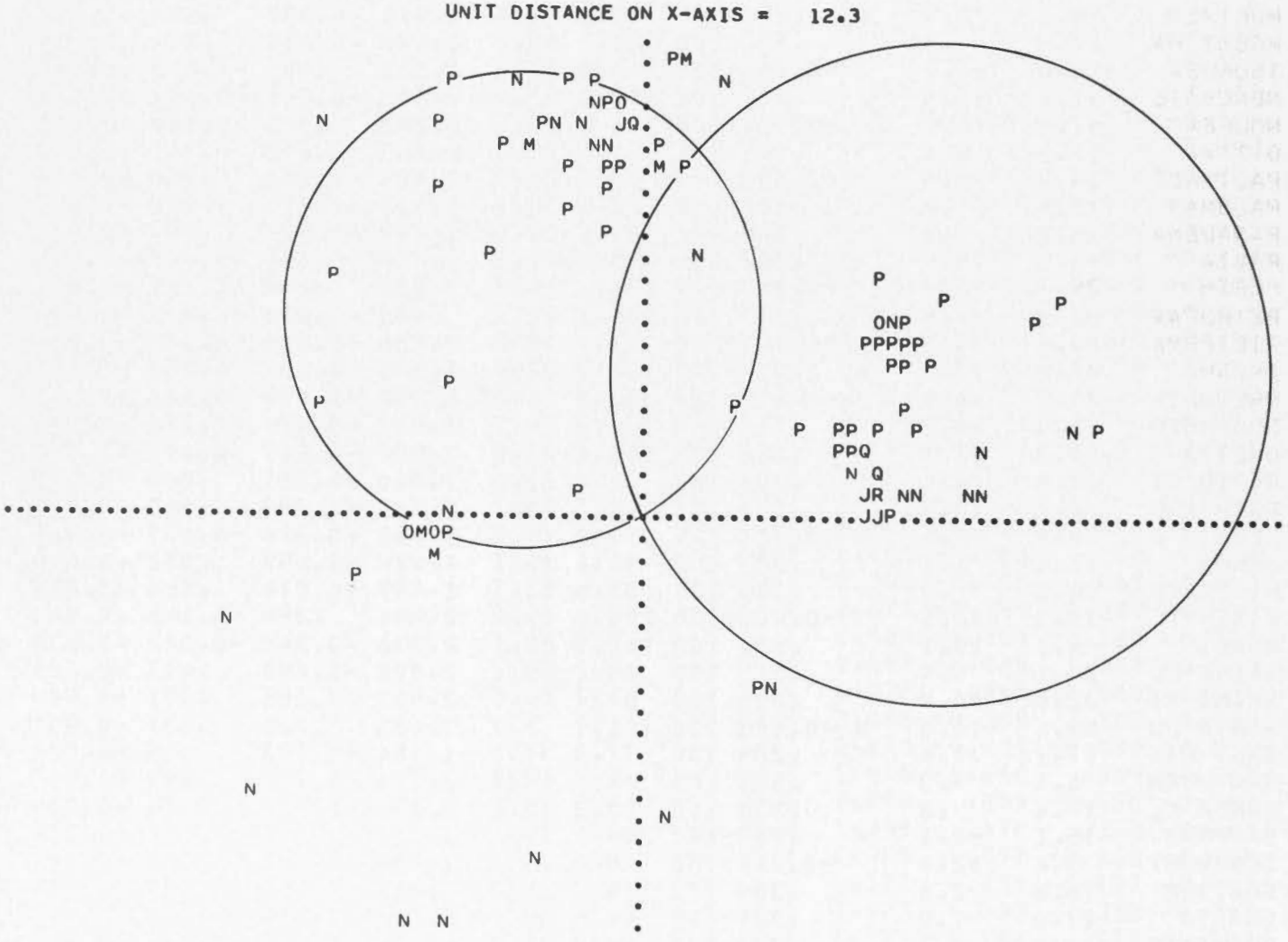
MARCH 14, 1957 H = 14.47.45 51.5N 177W DEPTH NORMAL M = 7.5

TINEMAHA	17.8	.8		.316	100	85.9	34.5	1.457	-0.041	.564 -0.825
TRIESTE	-4.2	18.6	W	.004	-100	352.4	21.1	2.586	-0.357	-0.048 -0.933
TSUKUBA	-16.0	-1.7		-0.068	-100	259.9	37.0	1.326	.105	-0.593 -0.799
TUCSON	19.5	.9	W	.273	-100	85.4	32.0	1.600	-0.043	.528 -0.848
UKIAH	17.1	.5	W	.337	-100	87.1	35.5	1.399	-0.029	.581 -0.814
UNZENDAK	-17.6	-1.0	W	-0.034	100	264.5	34.7	1.445	.054	-0.566 -0.822
UPPSALA	-3.5	14.8		.015	100	352.1	25.8	2.065	-0.432	-0.060 -0.900
VERACRUZ	25.7	1.4	W	.162	-100	84.7	25.4	2.105	-0.039	.427 -0.903
VIENNA	-4.7	17.7	W	.008	-100	351.0	22.1	2.467	-0.371	-0.059 -0.927
WARSAW	-5.5	16.3		.016	100	348.6	23.6	2.292	-0.392	-0.079 -0.917
WASHINGT	20.6	7.9		.119	100	57.2	26.5	2.004	-0.242	.375 -0.895
WESTON	19.2	9.2	W	.095	-100	51.1	26.4	2.012	-0.279	.346 -0.896
WOODY	17.9	.4		.316	100	87.9	34.3	1.465	-0.021	.563 -0.826



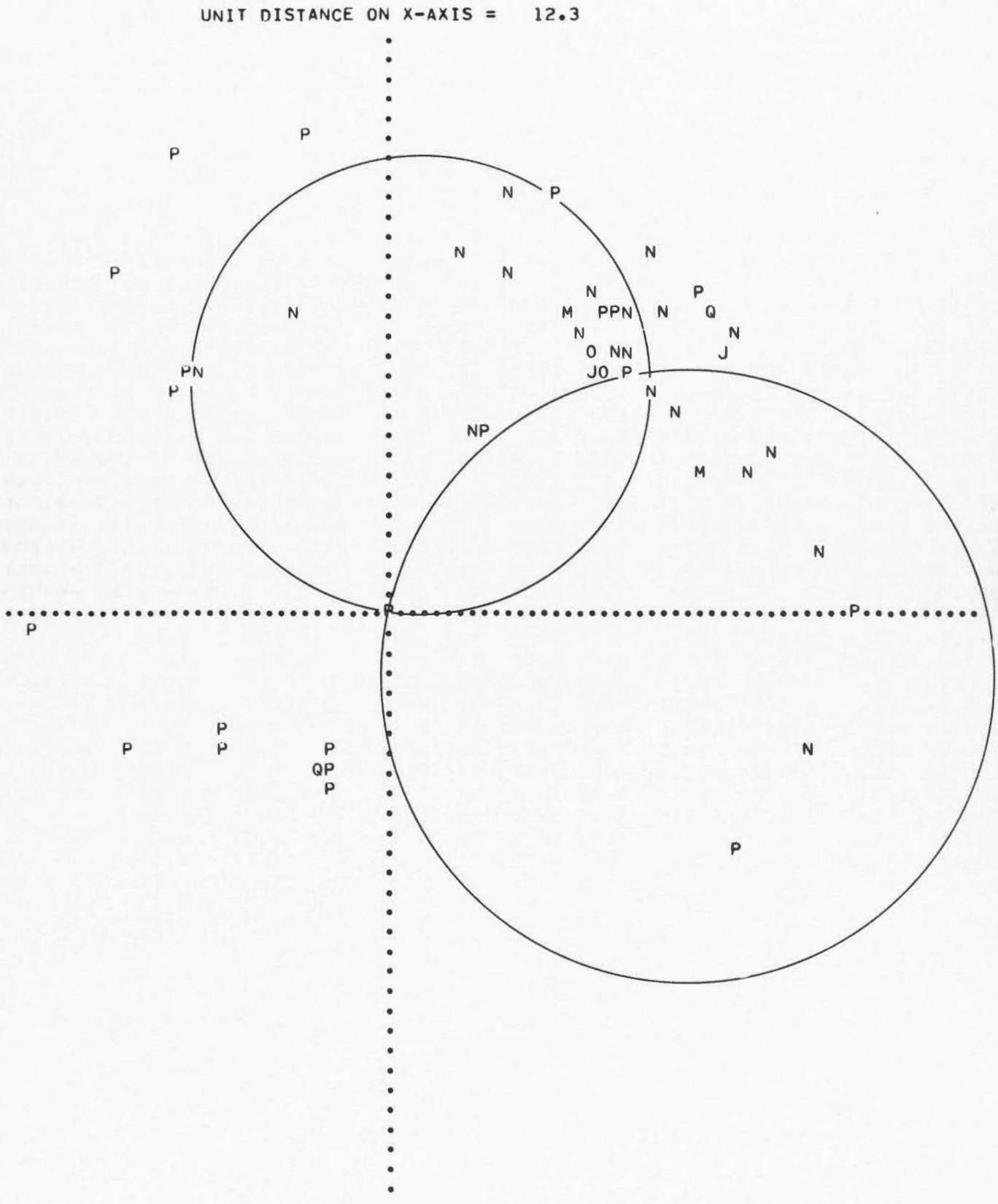
452

APRIL 14, 1957 H = 19.17.57 15.5S 173W DEPTH NORMAL M = 8

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ABUYAMA	-17.8	11.2		.020	100	316.8	25.3	2.119	-0.311	-0.292	-0.904
ALGER UN	22.1	85.3		.106	100	8.7	4.8	11.910	-0.083	.013	-0.997
ALICANTE	34.2	76.5	W	.099	-1	14.8	5.2	10.917	-0.088	.023	-0.996
ALMERIA	46.7	76.4		.097	1	19.9	5.1	11.210	-0.083	.030	-0.996
APIA	.2	.2		.590	100	33.8	87.9	.036	-0.831	.555	-0.037
BALBOA	36.1	2.9		-0.029	-100	82.3	18.6	2.973	-0.043	.316	-0.948
BANFF	17.1	16.0		-0.005	-100	32.3	21.0	2.611	-0.302	.191	-0.934
BELGRADE	-34.8	61.2		.119	100	341.4	6.4	8.902	-0.106	-0.036	-0.994
BERKELEY	17.1	12.0		-0.002	-100	40.3	24.8	2.161	-0.320	.271	-0.908
BOULDER	20.0	11.6		.000	100	45.5	23.6	2.285	-0.281	.286	-0.916
BOZEMAN	19.8	14.7		-0.001	-100	38.6	21.1	2.590	-0.281	.225	-0.933
BUCAREST	-45.6	56.5		.126	100	334.5	6.6	8.644	-0.104	-0.049	-0.993
BUCAREST	-18.3	22.6		.055	100	334.5	16.1	3.460	-0.250	-0.120	-0.961
BUDAPEST	-27.2	60.2		.113	100	345.0	6.6	8.595	-0.112	-0.030	-0.993
BUTTE	19.2	14.7	W	-0.002	100	37.7	21.3	2.559	-0.288	.223	-0.932
CAMPULUN	-42.1	57.2		.123	100	336.5	6.6	8.606	-0.106	-0.046	-0.993
CARTUJA	49.5	73.8		.095	100	21.6	5.2	10.956	-0.084	.033	-0.996
CARTUJA	14.4	21.4		.004	100	21.6	17.5	3.180	-0.279	.111	-0.954
CHEB	-11.0	60.8		.103	100	353.9	6.8	8.429	-0.117	-0.013	-0.993
CHIHUAHU	24.3	9.8		-0.003	-100	55.7	22.6	2.401	-0.217	.317	-0.923
CHRISTCH	-5.5	-8.5		.447	100	200.9	38.5	1.257	.581	-0.222	-0.783
CLERMONT	10.5	65.6		.097	100	5.4	6.3	9.092	-0.109	.010	-0.994
COBB	-5.8	-8.1		.489	100	203.2	39.6	1.209	.586	-0.251	-0.771
COIMBRA	51.0	62.6	W	.087	-1	25.7	6.0	9.587	-0.093	.045	-0.995
COLLEGE	5.8	18.4		-0.028	-100	10.6	21.2	2.581	-0.355	.066	-0.933
COPENHAG	-8.1	57.4	W	.099	-100	355.2	7.2	7.944	-0.124	-0.010	-0.992
CORVALLI	15.8	13.6		-0.008	-100	34.4	23.7	2.280	-0.331	.227	-0.916
DJAKARTA	-29.7	-1.0		.401	100	266.7	22.4	2.432	.022	-0.380	-0.925
DURHAM	13.2	57.4		.088	100	7.8	7.1	7.984	-0.123	.017	-0.992
EUREKA	19.0	12.6		-0.002	-100	41.9	23.2	2.328	-0.294	.264	-0.919
FAYETTEV	27.8	12.7	W	.002	-100	52.4	19.2	2.864	-0.201	.261	-0.944
FLORENCE	-13.2	68.5		.109	100	353.5	6.0	9.508	-0.104	-0.012	-0.995
FLORISSA	28.0	13.5	W	.003	-1	51.0	18.7	2.946	-0.202	.250	-0.947
FRESNO	18.1	11.7	W	-0.001	100	42.5	24.5	2.189	-0.306	.280	-0.910
GRAHAMST	-32.6	-50.7		.212	100	200.8	7.6	7.487	.124	-0.047	-0.991
GUADALAJ	26.1	7.5		-0.012	-100	64.2	22.9	2.366	-0.170	.350	-0.921
HAWAII	7.8	9.0	W	-0.024	100	27.2	35.5	1.400	-0.517	.266	-0.814
HELWAN	-98.1	43.1		.164	1	306.6	5.7	9.975	-0.059	-0.080	-0.995
HONOLULU	6.6	9.4		-0.051	-100	22.5	35.4	1.408	-0.535	.222	-0.815
HORSESHO	15.0	15.0		-0.011	-100	30.6	22.6	2.400	-0.331	.196	-0.923
HUNGRY H	18.2	15.3	W	-0.004	100	35.2	21.2	2.578	-0.295	.208	-0.932
IRKUTSK	-22.6	17.1		.071	100	322.0	18.4	2.999	-0.249	-0.195	-0.949
JERUSALE	-88.7	39.7	W	.165	-100	307.1	6.3	9.079	-0.066	-0.087	-0.994
KAIMATA	-6.1	-8.3		.487	100	203.4	38.7	1.248	.574	-0.248	-0.781
KARAPIRO	-5.2	-7.4		.486	100	202.3	42.1	1.107	.620	-0.255	-0.742
KARLSRUH	-3.1	62.3		.100	100	358.3	6.6	8.595	-0.115	-0.003	-0.993
KIRKLAND	25.6	16.0		.006	100	43.4	18.2	3.038	-0.227	.215	-0.950
KSARA	-82.6	41.2		.160	100	310.1	6.5	8.824	-0.073	-0.086	-0.994
LA PAZ	34.7	-7.5		-0.058	-100	110.0	18.4	3.014	.108	.296	-0.949
LISBON	57.6	62.6		.086	100	28.6	5.8	9.824	-0.089	.048	-0.995
LWIRO	-93.2	-42.4		.221	100	232.4	5.9	9.600	.063	-0.082	-0.995
MALAGA	54.0	73.0		.094	1	23.7	5.2	10.992	-0.083	.036	-0.996
MANZANIL	25.7	7.0		-0.014	-100	65.3	23.4	2.310	-0.166	.361	-0.918

452
APRIL 14, 1957 H = 19.17.57 15.5S 173W DEPTH NORMAL M = 8

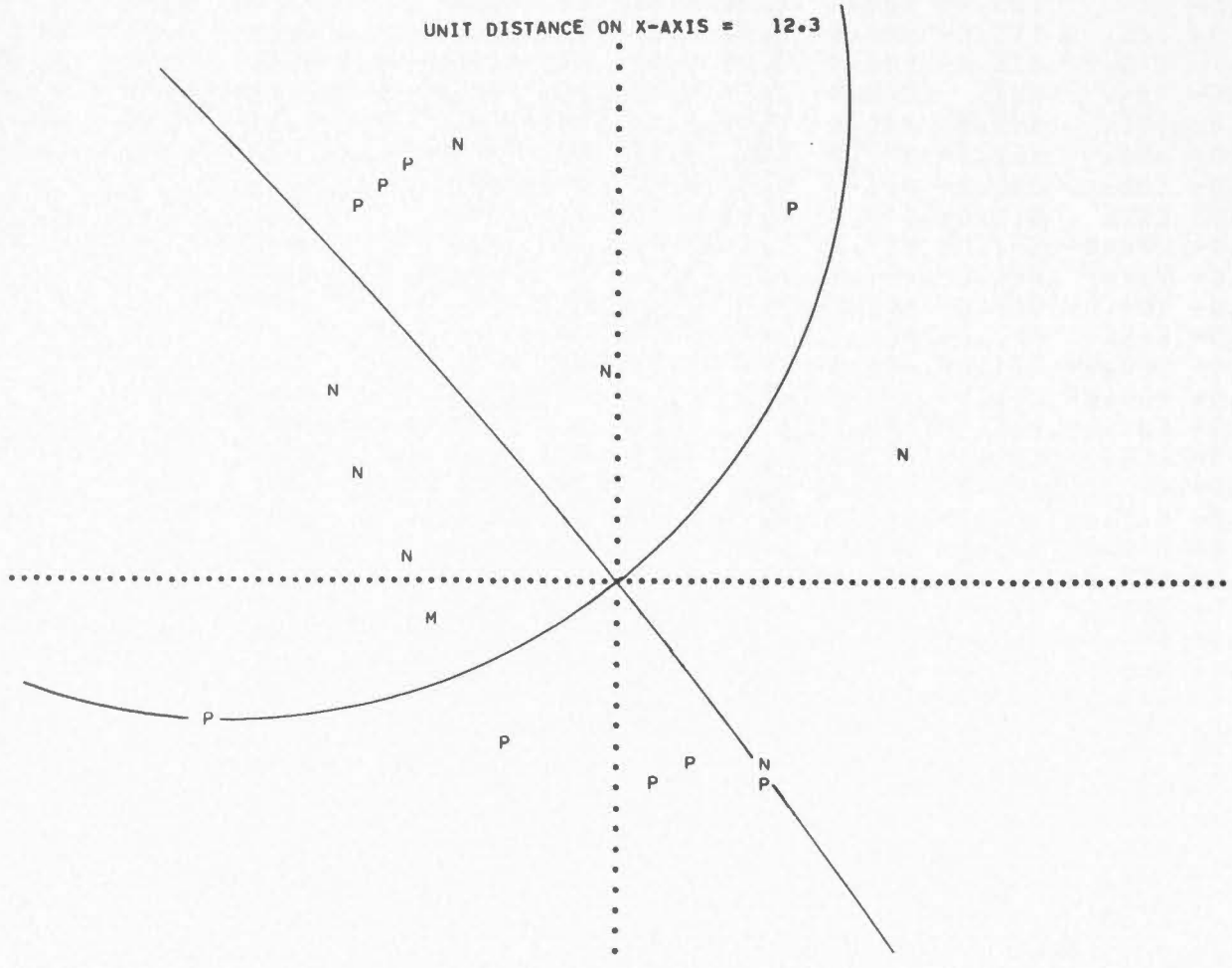
MATSUSHI	-16.7	11.6		.001	100	319.6	25.5	2.099	-0.328	-0.278	-0.903
M BOUR	135.3	.3	W	.085	-100	89.8	5.2	11.043	-0.000	.090	-0.996
M BOUR	39.0	.1	W	-0.031	100	89.8	17.5	3.180	-0.001	.300	-0.954
MELBOURN	-13.8	-6.7		.691	100	230.8	34.5	1.455	.357	-0.439	-0.824
MERIDA	32.3	7.6		-0.012	-1	68.2	19.4	2.840	-0.123	.308	-0.943
MESSINA	-38.8	75.4		.123	100	343.1	5.3	10.875	-0.088	-0.027	-0.996
MESZSTET	-4.6	63.1		.101	100	357.5	6.6	8.705	-0.114	-0.005	-0.993
MINERAL	17.0	12.6	W	-0.004	100	38.6	24.2	2.223	-0.321	.256	-0.912
MOUNT HA	17.4	11.8		-0.002	-100	41.0	24.8	2.163	-0.316	.275	-0.908
NENCHATE	.1	64.5		.100	100	.1	6.4	8.897	-0.112	.000	-0.994
OTTAWA	27.1	15.1		.006	100	46.6	18.2	3.040	-0.214	.227	-0.950
PALO ALT	17.2	11.8		-0.002	-100	40.7	24.9	2.154	-0.319	.274	-0.907
PARC ST	9.9	62.0		.094	100	5.4	6.6	8.597	-0.115	.011	-0.993
PAVIA	-6.2	66.8		.104	100	356.9	6.2	9.232	-0.107	-0.006	-0.994
PERTH	-21.6	-6.9		.563	100	241.6	26.5	2.004	.212	-0.393	-0.895
PETROPAV	-8.1	15.2		-0.066	-100	342.5	24.5	2.199	-0.395	-0.124	-0.910
PRAGUE	-15.0	60.2		.105	100	351.6	6.8	8.398	-0.117	-0.017	-0.993
POULKOVO	-25.5	53.2	W	.109	-100	344.2	7.5	7.621	-0.125	-0.035	-0.992
QUETTA	-81.4	23.5		.186	100	296.0	7.7	7.399	-0.059	-0.120	-0.991
RAPID CI	22.9	14.7	W	.002	-100	42.6	19.9	2.756	-0.251	.231	-0.940
RATHFARN	21.5	56.8		.085	100	12.6	7.1	8.024	-0.121	.027	-0.992
RELIZANE	38.2	85.2		.103	100	14.9	4.7	12.160	-0.079	.021	-0.997
RENO	17.7	12.4		-0.003	-100	40.1	24.0	2.243	-0.311	.262	-0.913
RESOLUTE	9.9	21.2		-0.003	-100	15.4	18.3	3.030	-0.302	.083	-0.950
RIVERVIE	-13.6	-5.9		.722	100	234.0	36.0	1.374	.346	-0.476	-0.809
ROME	-19.4	71.1		.113	100	350.8	5.7	9.931	-0.099	-0.016	-0.995
SAINT LO	28.1	13.4		.003	100	51.2	18.7	2.947	-0.201	.250	-0.947
SALT LAK	20.4	13.1		-0.001	-100	42.6	22.1	2.462	-0.277	.254	-0.927
SANTA CL	17.3	11.8	W	-0.002	100	40.9	24.9	2.157	-0.318	.275	-0.907
SANTA LU	29.0	-12.1	W	-0.062	100	125.2	19.1	2.893	.188	.267	-0.945
SCHEFFER	22.4	17.7	W	.005	-100	36.8	18.2	3.046	-0.250	.187	-0.950
SCORESBY	17.4	52.5		.081	100	11.1	7.7	7.380	-0.132	.026	-0.991
SHASTA	16.7	12.7		-0.005	-100	37.9	24.3	2.215	-0.325	.253	-0.911
SHAWINIG	26.6	15.4		.006	100	45.6	18.2	3.041	-0.218	.223	-0.950
SIMFEROP	-53.7	50.1		.134	100	327.6	7.0	8.179	-0.102	-0.065	-0.993
SITKA	10.1	16.6		-0.024	-1	19.9	22.4	2.429	-0.358	.129	-0.925
SKALSTUG	-5.2	55.0		.095	100	356.8	7.5	7.598	-0.130	-0.007	-0.991
STATE CO	29.0	13.8	W	.004	-100	51.2	18.2	3.038	-0.196	.243	-0.950
STRASBOU	-1.7	62.7		.099	100	359.1	6.6	8.654	-0.115	-0.002	-0.993
STUTTGAR	-4.9	62.4		.101	100	357.3	6.6	8.621	-0.115	-0.005	-0.993
TANANARI	-70.9	-34.3		.245	100	230.7	7.6	7.477	.084	-0.103	-0.991
TOLEDO	41.5	68.9		.092	100	19.6	5.7	10.087	-0.093	.033	-0.995
TORTOSA	24.6	72.3		.098	100	11.4	5.6	10.172	-0.096	.019	-0.995
TRIESTE	-18.0	64.7		.109	100	350.6	6.3	9.046	-0.108	-0.018	-0.994
TRIESTE	-6.7	24.0		.020	100	350.6	16.6	3.350	-0.282	-0.046	-0.958
TSUKUBA	-16.1	11.5		-0.010	-100	320.4	25.9	2.058	-0.337	-0.278	-0.899
TUBINGEN	-4.7	62.7		.101	100	357.5	6.6	8.654	-0.115	-0.005	-0.993
TUCSON	22.0	10.7		-0.000	-100	50.5	23.3	2.322	-0.251	.305	-0.919
UKIAH	16.6	12.3		-0.004	-100	38.7	24.8	2.167	-0.327	.262	-0.908
UPPSALA	-12.5	55.4		.100	100	352.4	7.4	7.705	-0.127	-0.017	-0.992
VERACRUZ	29.6	7.1		-0.016	-100	68.0	21.0	2.609	-0.134	.332	-0.934
VICTORIA	15.1	14.7		-0.011	-100	31.2	22.8	2.376	-0.332	.201	-0.922
VIENNA	-20.8	61.0		.109	100	348.6	6.6	8.580	-0.113	-0.023	-0.993
WARSAW	-23.9	56.9	W	.109	-100	346.0	7.0	8.092	-0.119	-0.030	-0.992
WELLINGT	-5.0	-8.1		.440	100	200.1	39.9	1.196	.602	-0.220	-0.767
WITTEVEE	.6	59.3		.095	100	.3	7.0	8.178	-0.121	.001	-0.993


UNIT DISTANCE ON X-AXIS = 12.3

461

JUNE 22, 1957 H = 23.50.23 1.5S 137E DEPTH NORMAL M = 7.2

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
AUCKLAND	12.4	-8.7		-0.025	-100	139.7	32.5	1.568	.410	.347	-0.843
MELBOURN	3.1	-9.8		.335	100	169.5	36.1	1.372	.579	.108	-0.808
PERTH	-8.7	-8.4		.327	100	211.2	36.3	1.363	.506	-0.307	-0.806
RIVERVIE	5.9	-9.1		.236	100	159.1	36.7	1.340	.559	.214	-0.801
WELLINGT	11.6	-9.6		.027	100	144.3	31.6	1.626	.425	.306	-0.852
BANDONG	-14.9	-1.7		-0.213	-100	258.9	38.8	1.243	.121	-0.615	-0.779
DJAKARTA	-15.2	-1.5		-0.223	-100	260.5	38.5	1.258	.102	-0.614	-0.783
HYDERABA	-21.1	4.8		-0.140	-100	290.9	28.5	1.844	-0.170	-0.445	-0.879
KOBE	-0.7	9.9	W	.269	-100	357.4	36.3	1.360	-0.592	-0.026	-0.806
MEDAN	-16.9	1.3		-0.252	-100	277.5	35.6	1.395	-0.076	-0.577	-0.813
QUETTA	-23.2	8.6		-0.068	-100	302.0	24.1	2.232	-0.216	-0.347	-0.913
ALGER UN	-64.2	38.2		-0.000	-100	315.1	7.7	7.428	-0.094	-0.094	-0.991
TAMANRAS	-81.1	25.6		-0.000	-100	298.1	7.6	7.501	-0.062	-0.117	-0.991
TANANARI	-32.8	-6.6		.001	100	251.2	19.5	2.826	.107	-0.316	-0.943
ALICANTE	-60.4	40.6		.000	1	318.6	7.6	7.460	-0.100	-0.088	-0.991
KIRUNA	-12.8	20.6	W	.039	-100	339.8	18.3	3.027	-0.294	-0.109	-0.950
COPENHAG	-18.5	19.2		.022	100	330.2	18.2	3.046	-0.271	-0.155	-0.950
LISBON	-54.3	44.7		.000	100	324.3	7.5	7.592	-0.106	-0.076	-0.991
MOSCOW	-20.5	17.9		.014	100	325.8	18.5	2.986	-0.263	-0.178	-0.948
UPPSALA	-17.0	19.6		.027	100	332.8	18.2	3.039	-0.278	-0.143	-0.950
COLLEGE	13.6	17.7		.026	100	24.5	20.4	2.688	-0.317	.144	-0.937
HONOLULU	22.9	6.0		-0.193	-100	66.3	26.0	2.046	-0.176	.402	-0.899
UNIVERSI	52.1	45.1		-0.022	-100	34.4	7.6	7.535	-0.108	.074	-0.991
SAN JUAN	92.1	42.5	W	-0.028	100	52.1	6.0	9.531	-0.064	.082	-0.995
WESTON	44.1	48.5		-0.018	-100	28.3	7.5	7.601	-0.115	.062	-0.991



467
SEPTEMBER 28, 1957 H = 00.27.31 31N 138E DEPTH 450 KM.

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
PETROPAV	4.5	4.8		.834	100	28.5	52.7	.761	-0.699	.380	-0.606
KLYUCHI	4.3	5.3		.877	100	25.6	50.7	.817	-0.698	.334	-0.633
COLLEGE	7.6	7.8		.988	100	29.9	38.9	1.239	-0.544	.313	-0.778
KIPAPA T	15.6	1.1		.690	100	83.0	38.0	1.281	-0.075	.611	-0.788
BRISBANE	4.4	-9.4	W	-0.000	100	164.6	36.7	1.341	.576	.159	-0.802
APATITY	-7.4	10.0		.612	100	336.2	33.6	1.504	-0.506	-0.224	-0.833
RESOLUTE	4.3	11.0		.966	100	13.1	32.7	1.559	-0.526	.123	-0.842
KIRUNA	-7.0	10.9		.656	100	339.2	31.8	1.612	-0.492	-0.187	-0.850
ALBERNI	13.6	8.6		.975	100	43.3	31.6	1.623	-0.382	.360	-0.852
VICTORIA	14.0	8.7		.974	100	43.6	31.1	1.655	-0.375	.356	-0.856
CORVALLI	15.4	8.4		.962	100	47.2	30.3	1.712	-0.343	.370	-0.864
BANFF	13.3	9.9		.983	100	38.5	29.8	1.746	-0.389	.309	-0.868
SKALSTUG	-8.1	11.9		.641	100	338.0	29.5	1.766	-0.457	-0.184	-0.870
UPPSALA	-9.8	11.6		.581	100	333.4	29.2	1.786	-0.437	-0.218	-0.873
SHASTA	16.8	8.3		.950	100	50.3	29.2	1.786	-0.312	.376	-0.873
UKIAH	17.3	8.0		.943	100	52.0	29.1	1.793	-0.300	.384	-0.873
SIMFEROP	-15.6	9.3		.314	100	315.1	29.0	1.803	-0.343	-0.342	-0.875
MINERAL	17.0	8.4		.949	100	50.3	28.9	1.808	-0.309	.372	-0.875
BERKELEY	17.9	8.0		.940	100	52.8	28.6	1.833	-0.290	.381	-0.878
MOUNT HA	18.2	8.1		.938	100	53.0	28.3	1.856	-0.286	.379	-0.880
RENO	17.5	8.6		.948	100	50.3	28.3	1.859	-0.303	.364	-0.881
BUTTE	15.4	10.2		.970	100	41.8	27.9	1.890	-0.348	.312	-0.884
FRESNO	18.6	8.4		.938	100	52.7	27.7	1.907	-0.281	.369	-0.886
BOZEMAN	15.6	10.5		.969	100	41.5	27.4	1.925	-0.345	.305	-0.887
KING RAN	19.1	8.3		.932	100	53.9	27.3	1.934	-0.271	.371	-0.888
TINEMAHA	18.6	8.7		.940	100	51.7	27.3	1.936	-0.284	.360	-0.889
WOODY	19.1	8.5		.935	100	53.2	27.2	1.948	-0.274	.365	-0.890
ISABELLA	19.2	8.5		.935	100	53.0	27.1	1.957	-0.274	.364	-0.891
CHINA LA	19.2	8.7		.936	100	52.5	26.8	1.975	-0.275	.358	-0.892
PASADENA	19.8	8.5		.929	100	54.2	26.6	1.993	-0.262	.364	-0.894
SALT LAK	17.6	10.1		.954	100	45.8	26.5	2.006	-0.311	.320	-0.895
RIVERSID	19.9	8.6		.929	100	53.9	26.4	2.014	-0.262	.359	-0.896
BOULDER	19.4	9.3		.938	100	51.1	26.2	2.034	-0.277	.343	-0.897
PALOMAR	20.2	8.6		.927	100	54.2	26.1	2.037	-0.257	.358	-0.898
BELGRADE	-16.0	11.6		.418	100	320.7	25.9	2.063	-0.338	-0.276	-0.900
STUTTGAR	-13.5	13.3		.528	100	328.9	25.1	2.136	-0.363	-0.219	-0.906
MESZSTET	-13.7	13.3		.525	100	328.7	25.0	2.148	-0.360	-0.219	-0.907
STRASBOU	-13.4	13.5		.536	100	329.5	24.9	2.153	-0.363	-0.214	-0.907
TUCSON	20.9	9.6		.927	100	52.2	24.8	2.160	-0.257	.332	-0.908
BASEL	-13.7	13.5		.529	100	328.9	24.7	2.171	-0.358	-0.216	-0.908
KEW	-11.1	14.3		.606	100	335.4	24.7	2.171	-0.380	-0.174	-0.908
RATHFARN	-9.3	14.8		.652	100	339.5	24.6	2.179	-0.391	-0.146	-0.909
CLERMONT	-13.5	14.0		.545	100	330.2	24.2	2.226	-0.355	-0.204	-0.912
FAYETTEV	17.8	12.6		.945	100	40.0	23.8	2.264	-0.309	.260	-0.915
SAINT LO	16.4	13.3		.948	100	36.1	23.8	2.267	-0.326	.238	-0.915
SHAWINIG	9.9	15.4		.930	100	20.9	23.8	2.270	-0.376	.144	-0.915
OTTAWA	11.0	15.1		.936	100	23.3	23.8	2.271	-0.370	.159	-0.915
SAN JUAN	33.8	36.9		.714	100	28.5	9.8	5.786	-0.150	.081	-0.985
LA PAZ	83.6	23.6		.656	100	64.5	7.5	7.561	-0.056	.118	-0.991
KYOTO	3.7	-4.6	W	.000	-100	334.2	125.1	.703	-0.736	-0.356	.575
TSUKUBA	-1.9	-3.4		-0.485	-100	18.7	116.3	.493	-0.849	.288	.443
ZOSE	-4.9	.2		-0.836	-100	274.1	68.1	.401	-0.066	-0.926	-0.373
TAIPEI	-5.3	-1.1		-0.997	-100	251.2	65.2	.461	.292	-0.860	-0.419
NANKING	-5.9	.5		-0.776	-100	278.0	64.1	.485	-0.125	-0.891	-0.437
HONG KON	-8.1	-1.4		-0.959	-100	253.2	55.4	.690	.238	-0.788	-0.568
CANTON	-8.3	-1.2		-0.945	-100	256.0	55.1	.698	.198	-0.795	-0.573

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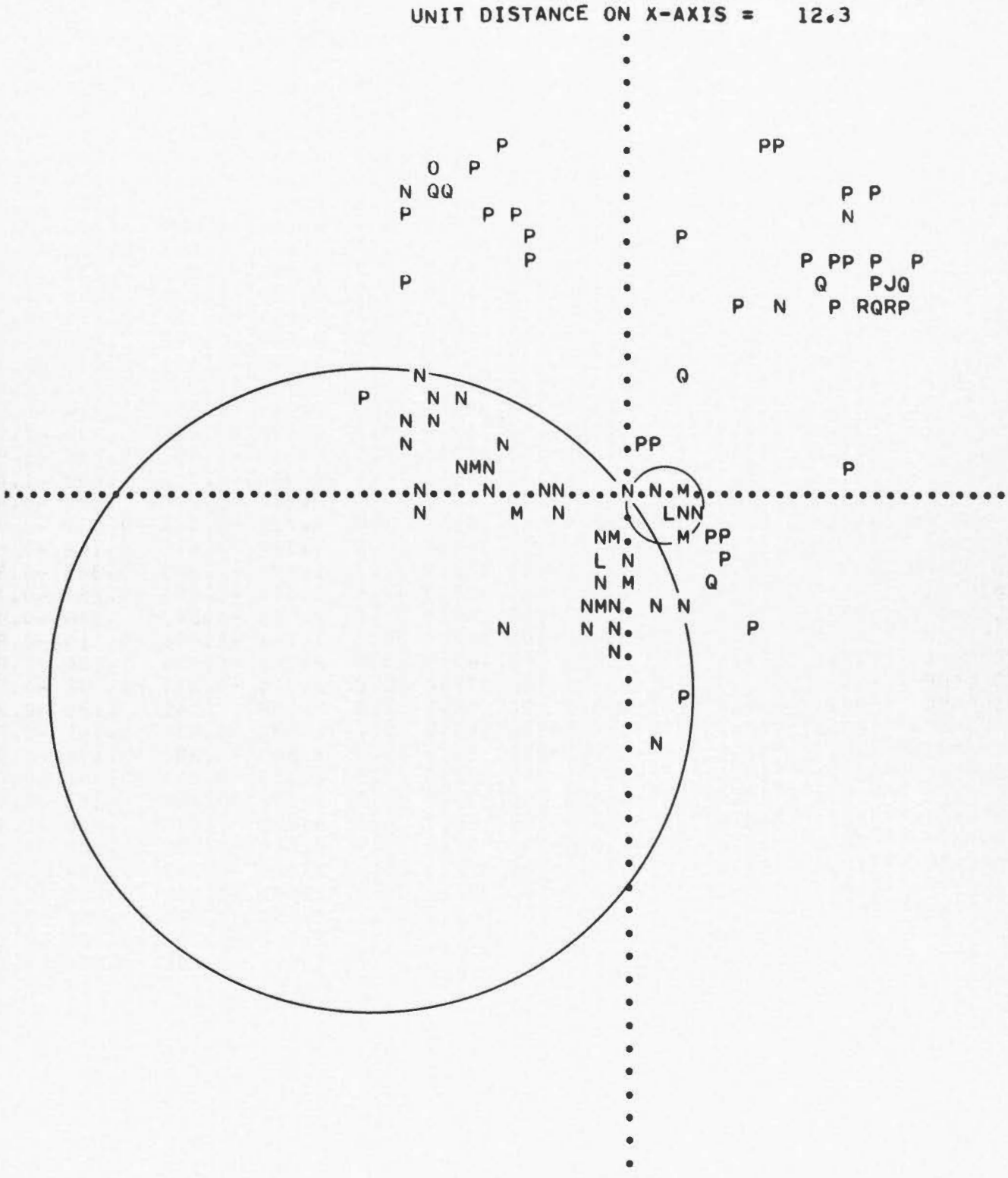
LANCHOW	-9.3	1.9		-0.468	-100	289.1	51.3	.800	-0.255	-0.738	-0.625
CHENGTU	-9.7	.9		-0.655	-100	278.5	51.2	.804	-0.116	-0.771	-0.627
KUNMING	-10.3	-0.2		-0.783	-100	267.8	50.0	.840	.030	-0.765	-0.643
TOCKLAI	-11.2	.5		-0.658	-100	274.5	47.5	.917	-0.058	-0.735	-0.676
LHASA	-11.4	1.2		-0.554	-100	280.3	46.6	.947	-0.130	-0.714	-0.688
SHILLONG	-11.7	.5		-0.642	-100	274.2	46.3	.954	-0.054	-0.721	-0.690
DJAKARTA	-9.1	-5.6		-0.727	-100	224.2	43.1	1.069	.490	-0.476	-0.730
FRUNSE	-11.8	4.4		-0.067	-100	302.1	41.3	1.136	-0.351	-0.560	-0.751
LAHORE	-13.9	2.7		-0.304	-100	288.0	39.9	1.197	-0.199	-0.609	-0.768
HYDERABA	-15.1	.1		-0.540	-100	270.4	39.0	1.235	-0.005	-0.629	-0.777
KULYAB	-13.5	4.1		-0.129	-100	296.9	38.9	1.238	-0.285	-0.560	-0.778
MADRAS	-15.2	-0.8		-0.592	-100	264.7	38.7	1.248	.057	-0.622	-0.781
QUETTA	-15.5	3.2		-0.226	-100	289.1	36.7	1.342	-0.196	-0.564	-0.802
KARACHI	-16.5	2.3		-0.296	-100	283.5	35.8	1.385	-0.136	-0.569	-0.811
SITKA	10.6	8.0	W	.985	-1	37.9	35.5	1.404	-0.458	.356	-0.815
ASHKHABA	-15.2	5.2		-0.006	-100	300.1	34.8	1.436	-0.287	-0.494	-0.821
MELBOURN	2.0	-11.2		-0.063	-100	174.1	32.7	1.559	.537	.056	-0.842
RAPID CI	16.2	11.8	W	.960	-100	39.3	25.5	2.096	-0.333	.272	-0.903
BESCANCO	-13.6	13.7	W	.537	-100	329.6	24.5	2.189	-0.358	-0.210	-0.910
FLORENCE	-15.6	12.9	W	.474	-100	324.5	24.5	2.192	-0.338	-0.241	-0.910
FUKUOKO	3.3	-0.8		-0.163	-100	292.4	106.5	.295	-0.366	-0.887	.283
FUKUSHIM	-1.0	-2.1		-0.329	-100	16.6	106.5	.295	-0.919	.273	.283
GIFU	2.0	-4.8		-0.110	-100	346.6	124.5	.686	-0.802	-0.192	.566
HAMADA	3.6	-1.7		-0.037	-100	308.3	110.4	.370	-0.581	-0.736	.348
HIROSHIM	4.4	-1.9		-0.001	-100	305.6	114.0	.444	-0.532	-0.743	.406
KAGOSHIM	4.3	-0.2		-0.138	-100	275.5	109.3	.349	-0.091	-0.939	.331
KAKIOKA	-2.0	-3.3		-0.491	-100	19.4	116.0	.487	-0.848	.298	.438
KOCHI	6.7	-2.6		.132	100	303.2	123.4	.658	-0.457	-0.698	.550
KOFU	-0.8	-4.7		-0.339	-100	5.9	122.9	.646	-0.835	.086	.543
KUMAMOTO	4.1	-0.7		-0.128	-100	286.7	109.2	.348	-0.271	-0.904	.329
MATSUMOT	.0	-3.9		-0.237	-100	359.7	118.2	.536	-0.881	-0.005	.473
MATSUSHI	-0.2	-3.6		-0.249	-100	1.9	116.1	.490	-0.897	.029	.440
MISHIMA	-1.8	-5.4		-0.415	-100	11.0	127.4	.765	-0.780	.151	.608
MIYAZAKI	5.4	-0.5		-0.021	-100	279.1	114.0	.444	-0.145	-0.902	.406
MORIOKA	-0.1	-0.2		-0.019	-100	16.0	91.7	.030	-0.961	.275	.030
NAGANO	-0.2	-3.4		-0.239	-100	1.7	115.2	.469	-0.905	.027	.425
NAGASAKI	3.2	-0.5		-0.220	-100	284.7	105.3	.272	-0.246	-0.933	.263
NEMURO	1.8	2.4		.463	100	24.3	70.3	.358	-0.858	.388	-0.338
OMAEZAKI	-0.6	-6.9		-0.291	-100	3.0	133.7	.953	-0.723	.038	.690
ONAHOMA	-1.7	-2.5		-0.463	-100	21.9	110.2	.367	-0.871	.350	.345
OSHIMA	-3.1	-5.8		-0.501	-100	17.6	130.2	.843	-0.729	.231	.645
SAGA	3.4	-0.7		-0.172	-100	289.6	106.6	.298	-0.321	-0.903	.286
SAPPORO	.7	1.9		.432	100	11.7	74.8	.271	-0.945	.195	-0.262
SENDAI	-0.9	-1.6		-0.287	-100	17.8	103.0	.231	-0.928	.298	.225
SHIMIZU	7.2	-1.7		.146	100	291.8	122.4	.634	-0.314	-0.784	.536
SHIONOMI	8.8	-6.4		.201	100	320.7	138.8	1.141	-0.510	-0.417	.752
SHIZUOKA	-0.9	-6.0		-0.330	-100	5.0	129.8	.834	-0.765	.067	.641
SUMOTO	5.7	-4.2		.094	100	321.1	126.6	.743	-0.625	-0.503	.597
TOKUSHIM	6.4	-3.9		.126	100	315.9	127.0	.752	-0.574	-0.556	.602
TOKYO	-2.2	-4.1		-0.500	-100	17.7	121.0	.600	-0.817	.261	.515
TOMIE	2.0	-0.3		-0.349	-100	282.7	99.7	.170	-0.217	-0.961	.168
TOMIZAKI	-3.5	-5.1		-0.569	-100	21.9	127.3	.762	-0.738	.297	.607
TORI SHI	-19.4	3.9	W	-0.113	100	108.9	149.1	1.671	.166	.486	.858
UTUNOMIY	-1.5	-3.2		-0.422	-100	15.6	114.5	.455	-0.876	.245	.415
UWAJIMA	6.0	-1.7		.062	100	295.3	118.3	.538	-0.377	-0.796	.474
YAKUSHIM	4.1	.2		-0.140	-100	265.6	108.6	.336	.073	-0.945	.319
YOKOHAMA	-2.4	-4.5		-0.506	-100	17.6	123.3	.656	-0.797	.252	.549


UNIT DISTANCE ON X-AXIS = 12.3

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STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ABERDEEN	15.8	16.6		-0.061	-1	29.4	20.8	2.635	-0.309	.174	-0.935
ALGER UN	22.7	11.8		.037	100	48.7	22.1	2.463	-0.248	.282	-0.927
ALICANTE	21.2	12.2		.035	1	45.9	22.5	2.409	-0.267	.275	-0.924
ALMERIA	20.7	11.7	W	.046	-1	46.3	23.2	2.334	-0.272	.285	-0.919
ANN ARBO	-5.3	12.3		-0.416	-100	345.6	29.8	1.747	-0.481	-0.124	-0.868
ASTRIDA	32.2	-1.5		.026	100	94.5	20.8	2.635	.028	.354	-0.935
ATHENS	26.8	11.5		.024	100	54.0	20.3	2.706	-0.204	.281	-0.938
BALBOA	-5.9	7.3		-0.631	-100	334.6	41.9	1.115	-0.603	-0.286	-0.745
BASEL	21.1	14.5		-0.009	-100	40.7	20.7	2.641	-0.268	.231	-0.935
BELGRADE	24.1	13.5		.005	100	46.6	20.3	2.704	-0.238	.252	-0.938
BERKELEY	-17.9	11.7		-0.541	-100	317.9	24.6	2.181	-0.309	-0.279	-0.909
BESCANCO	20.9	14.5		-0.008	-100	40.5	20.9	2.625	-0.271	.231	-0.935
BOGOTA	-3.8	6.9	W	-0.528	100	341.9	44.9	1.002	-0.671	-0.219	-0.708
BOULDER	-15.5	11.1		-0.569	-100	320.4	26.8	1.981	-0.347	-0.287	-0.893
BOZEMAN	-13.3	13.4		-0.500	-100	329.5	25.0	2.147	-0.364	-0.214	-0.907
BRATISLA	22.4	14.4		-0.008	-100	42.6	20.3	2.698	-0.256	.235	-0.938
BUTTE	-13.8	13.6		-0.498	-100	329.0	24.6	2.183	-0.357	-0.215	-0.909
CANTON	391.6	679.3		-0.159	-100	18.8	.4	99.000	-0.006	.002	-1.000
CARTUJA	20.2	11.7	W	.047	-100	45.5	23.4	2.312	-0.278	.283	-0.918
CHANGCHU	-42.5	65.8		-0.224	-100	339.1	5.9	9.719	-0.096	-0.037	-0.995
CHICAGO	-6.5	12.2		-0.448	-100	342.4	29.6	1.762	-0.470	-0.149	-0.870
CHIHUAHU	-13.1	9.4		-0.629	-100	320.5	30.7	1.685	-0.393	-0.325	-0.860
CHINCHIN	-4.5	6.9		-0.578	-100	338.9	44.5	1.019	-0.654	-0.252	-0.714
CLERMONT	20.7	14.1		-0.002	-100	40.9	21.2	2.580	-0.273	.236	-0.932
CLEVELAN	-4.7	12.1		-0.402	-100	347.0	30.2	1.714	-0.491	-0.113	-0.864
COIMBRA	18.1	12.4	W	.036	-1	40.9	23.8	2.263	-0.306	.264	-0.915
COLLEGE	-14.6	17.7	W	-0.414	100	334.0	20.2	2.710	-0.311	-0.152	-0.938
COLOMBO	87.1	-16.9	W	-0.077	100	108.2	7.6	7.488	.041	.126	-0.991
COLUMBIA	-4.8	10.7		-0.438	-100	345.0	33.1	1.533	-0.528	-0.141	-0.838
COPENHAG	18.7	16.1		-0.041	-100	34.4	20.3	2.697	-0.287	.196	-0.938
CORVALLI	-17.4	13.6		-0.501	-100	322.8	23.0	2.353	-0.311	-0.237	-0.920
DE BILT	19.0	15.6	W	-0.030	100	35.9	20.7	2.650	-0.286	.207	-0.936
DJAKARTA	28.1	-60.6		-0.090	-100	164.7	6.6	8.672	.110	.030	-0.993
DURHAM	16.8	16.2		-0.049	-100	31.6	20.9	2.619	-0.304	.187	-0.934
EUREKA	-15.6	12.0		-0.543	-100	322.4	25.6	2.085	-0.343	-0.264	-0.902
FAYETTEV	-8.9	11.1		-0.532	-100	334.6	30.6	1.691	-0.460	-0.218	-0.861
FLORENCE	23.1	13.5		.006	100	45.2	20.7	2.651	-0.248	.250	-0.936
FRESNO	-17.1	11.4		-0.554	-100	318.3	25.4	2.102	-0.320	-0.286	-0.903
GUADALAJ	-12.7	7.9		-0.691	-100	316.3	33.7	1.502	-0.401	-0.383	-0.832
GUAM	-99.5	-9.7		-0.210	-100	260.6	6.9	8.229	.020	-0.119	-0.993
HALIFAX	.7	12.7		-0.227	-100	1.9	29.7	1.755	-0.495	.016	-0.869
HAWAII	-30.9	6.1		-0.439	-100	288.3	20.6	2.657	-0.111	-0.334	-0.936
HERMANUS	21.2	-7.6		-0.000	-100	121.3	26.3	2.026	.230	.378	-0.897
HONOLULU	-31.1	6.4		-0.440	-100	289.3	20.4	2.686	-0.115	-0.329	-0.937
HORSESHO	-16.6	14.9		-0.473	-100	326.5	22.2	2.455	-0.315	-0.208	-0.926
HUNGRY H	-13.9	14.2	W	-0.481	100	329.9	23.8	2.270	-0.349	-0.202	-0.915
HYDERABA	94.6	-0.0		-0.086	-100	90.0	7.4	7.723	.000	.128	-0.992
JENA	20.5	15.2		-0.021	-100	38.7	20.4	2.682	-0.273	.218	-0.937
KARLSRUH	20.7	14.8	W	-0.015	100	39.6	20.6	2.656	-0.271	.225	-0.936
KEW	18.1	15.5		-0.031	-100	34.8	21.0	2.598	-0.295	.205	-0.933
KODAIKAN	89.0	-10.7		-0.078	-100	101.4	7.7	7.415	.026	.131	-0.991
KOROR	-101.2	-37.0	W	-0.171	100	238.3	5.9	9.713	.054	-0.087	-0.995
KRAKOW	21.9	14.7		-0.013	-100	41.4	20.3	2.709	-0.260	.229	-0.938
KSARA	69.2	22.9	W	-0.098	100	60.8	8.8	6.470	-0.075	.133	-0.988
KUNMING	-27.7	10.9		-0.473	-100	303.6	20.2	2.713	-0.192	-0.288	-0.938
LANCHOW	16.0	17.3		-0.071	-100	28.7	20.2	2.713	-0.303	.166	-0.938
LA PLATA	14.4	-17.7		.018	100	154.4	20.2	2.713	.312	.150	-0.938
LISBON	18.0	12.0		.047	100	41.7	24.3	2.213	-0.307	.274	-0.911

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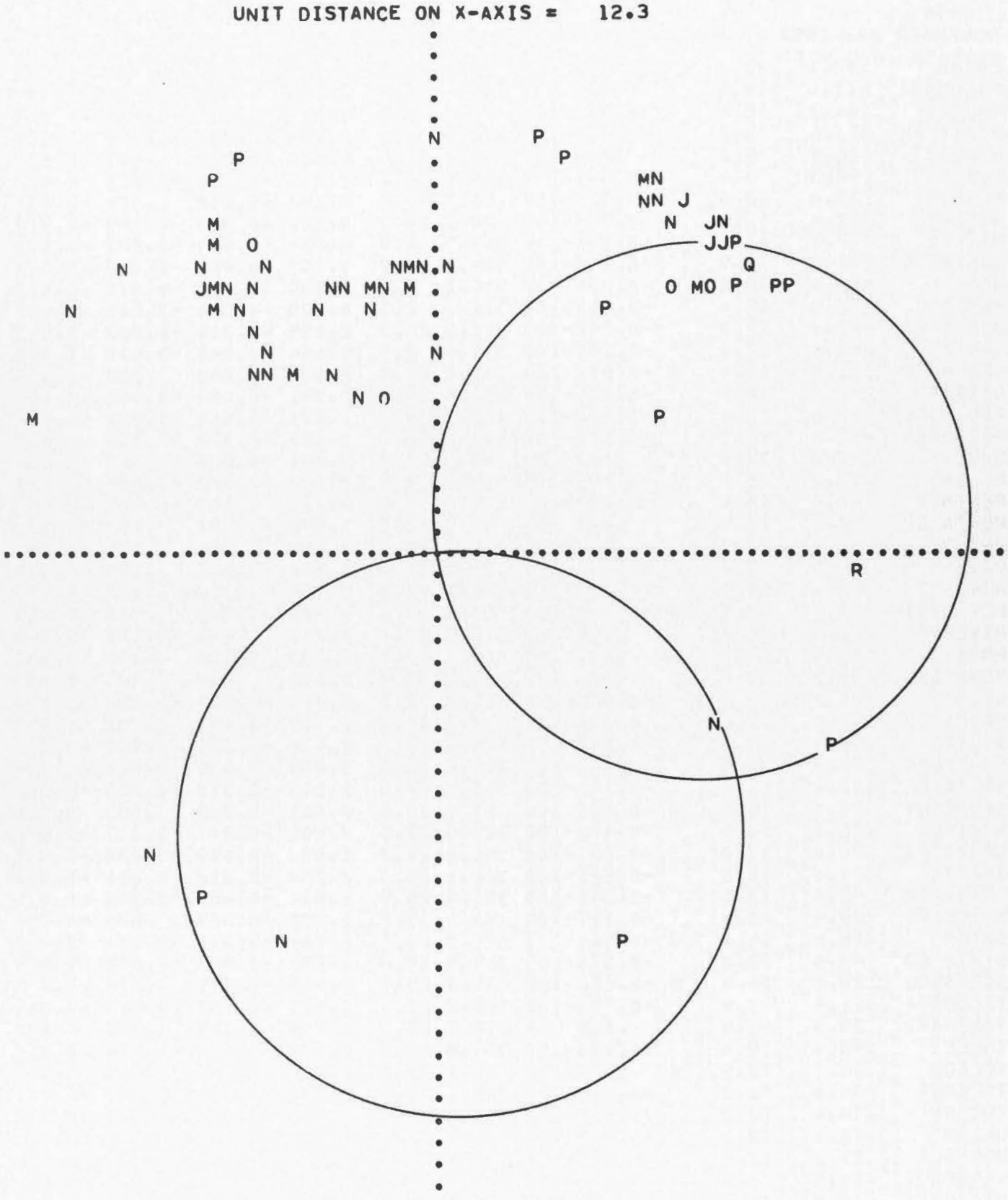
LWIRO	32.1	-1.3		.027	100	93.8	20.9	2.624	.024	.355	-0.934
MACQUARI	-11.6	-18.2	W	.041	-100	200.7	20.5	2.679	.327	-0.124	-0.937
MADRAS	94.2	-8.4		-0.083	-100	98.5	7.3	7.777	.019	.126	-0.992
MAZATLAN	-13.6	8.3		-0.668	-100	315.9	32.1	1.593	-0.382	-0.370	-0.847
M BOUR	16.7	6.2		.209	100	57.9	31.9	1.608	-0.280	.447	-0.849
MERIDA	-8.3	8.4		-0.645	-1	329.6	36.7	1.340	-0.516	-0.302	-0.802
MESSINA	25.6	12.0		.023	100	51.7	20.6	2.661	-0.218	.276	-0.936
MINERAL	-17.4	12.4		-0.528	-100	320.2	24.2	2.222	-0.315	-0.263	-0.912
MIYAKO	-72.7	41.4		-0.254	-100	313.9	6.9	8.236	-0.084	-0.087	-0.993
MONTREAL	-2.2	12.9		-0.318	-100	354.2	29.2	1.787	-0.485	-0.050	-0.873
MORI	-65.5	44.8	W	-0.253	100	319.1	7.0	8.169	-0.092	-0.079	-0.993
MORIOKA	-72.6	42.4		-0.253	-100	314.7	6.8	8.328	-0.084	-0.085	-0.993
MOUNT HA	-17.7	11.6		-0.546	-100	317.8	24.9	2.155	-0.311	-0.283	-0.907
NANKING	-83.6	132.0		-0.191	-100	339.4	2.9	19.444	-0.048	-0.018	-0.999
NENCHATE	21.2	14.4	W	-0.007	100	41.0	20.8	2.632	-0.268	.233	-0.935
OTTAWA	-2.8	12.9		-0.336	-100	352.6	29.2	1.791	-0.483	-0.063	-0.873
PALISADE	-2.4	12.0		-0.330	-100	353.2	30.9	1.671	-0.510	-0.060	-0.858
PASADENA	-16.8	10.7		-0.574	-100	317.0	26.5	2.008	-0.326	-0.304	-0.895
PAVIA	22.2	13.9		.000	100	43.3	20.7	2.641	-0.258	.243	-0.935
PEKING	-13.2	86.9		-0.198	-100	354.9	4.8	12.030	-0.082	-0.007	-0.997
PERTH	-2.8	-48.8		-0.082	-100	181.9	8.4	6.733	.147	-0.005	-0.989
PONTA DE	12.6	11.4		.060	100	33.1	28.1	1.875	-0.394	.257	-0.882
PRAGUE	21.3	14.9		-0.016	-100	40.2	20.4	2.692	-0.266	.225	-0.937
RATHFARN	16.2	15.9		-0.045	-100	31.2	21.4	2.556	-0.312	.189	-0.931
RENO	-16.9	12.1		-0.536	-100	320.4	24.8	2.165	-0.323	-0.267	-0.908
REYKJAVI	9.7	17.9	W	-0.129	100	17.8	21.1	2.586	-0.343	.110	-0.933
RIVERVIE	-18.4	-16.4		.005	100	213.7	20.2	2.713	.288	-0.192	-0.938
ROME	23.9	13.0		.012	100	47.3	20.7	2.652	-0.239	.259	-0.936
RUMANGAB	32.2	-1.1		.027	100	93.2	20.8	2.636	.019	.354	-0.935
SAGA	-24.2	13.5		-0.474	-100	313.2	20.2	2.713	-0.237	-0.252	-0.938
SAINT LO	-7.5	11.6		-0.488	-100	339.0	30.4	1.707	-0.472	-0.181	-0.863
SALT LAK	-14.1	12.2		-0.537	-100	325.6	26.1	2.036	-0.364	-0.249	-0.898
SAN JUAN	-0.0	8.8		-0.208	-100	359.8	39.6	1.208	-0.638	-0.002	-0.770
SANTA CL	-17.9	11.6		-0.545	-100	317.6	24.8	2.163	-0.310	-0.283	-0.908
SCORESBY	7.7	18.8	W	-0.161	100	13.6	20.6	2.661	-0.342	.083	-0.936
SEATTLE	-16.6	14.4		-0.484	-100	325.6	22.6	2.402	-0.317	-0.217	-0.923
SEVEN FA	-1.4	13.2		-0.291	-100	356.4	28.7	1.826	-0.479	-0.030	-0.877
SHASTA	-17.7	12.5		-0.524	-100	320.1	24.0	2.248	-0.312	-0.261	-0.914
SHAWINIG	-2.0	13.1		-0.308	-100	354.9	28.9	1.814	-0.481	-0.042	-0.876
SHILLONG	128.9	23.4		-0.117	-100	73.0	5.2	11.005	-0.027	.086	-0.996
SITKA	-16.8	16.6	W	-0.440	1	329.0	20.6	2.666	-0.301	-0.181	-0.936
STATE CO	-3.6	12.0		-0.371	-100	349.9	30.8	1.680	-0.503	-0.090	-0.859
STRASBOU	20.8	14.8	W	-0.013	100	39.8	20.7	2.649	-0.271	.226	-0.936
TACUBAYA	-11.5	7.8		-0.703	-100	318.8	35.1	1.421	-0.433	-0.379	-0.818
TANANARI	29.6	-8.8		.000	100	116.7	20.3	2.709	.155	.309	-0.938
THULE	-0.4	19.4		-0.260	-100	359.4	20.5	2.672	-0.350	-0.004	-0.937
TOLEDO	19.7	12.5	W	.032	-100	43.1	23.0	2.356	-0.285	.267	-0.921
TSUKUBA	-84.0	40.3		-0.248	-100	309.1	6.5	8.831	-0.071	-0.087	-0.994
TUCSON	-14.4	10.2		-0.600	-100	320.0	28.6	1.830	-0.367	-0.308	-0.878
UKIAH	-18.1	12.1		-0.532	-100	318.4	24.1	2.231	-0.306	-0.271	-0.913
UPPSALA	17.2	16.8		-0.058	-100	31.3	20.3	2.710	-0.296	.180	-0.938
VERACRUZ	-10.5	7.8		-0.699	-100	321.6	35.9	1.380	-0.460	-0.365	-0.810
VICTORIA	-16.8	14.6		-0.478	-100	325.8	22.3	2.440	-0.314	-0.213	-0.925
VIENNA	22.2	14.4	W	-0.008	100	42.4	20.4	2.695	-0.257	.234	-0.938
WARSAW	21.1	15.2		-0.021	-100	39.4	20.3	2.710	-0.267	.220	-0.938
WELLINGT	-21.5	-14.5		-0.021	-100	221.4	20.6	2.658	.264	-0.233	-0.936
WESTON	-1.6	12.3		-0.301	-100	355.6	30.5	1.700	-0.505	-0.039	-0.862
WITTEVEE	19.0	15.7	W	-0.033	100	35.7	20.6	2.663	-0.285	.205	-0.936
ZOSE	-122.9	118.5		-0.195	-100	328.5	3.0	19.172	-0.044	-0.027	-0.999


UNIT DISTANCE ON X-AXIS = 12.3
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FEBRUARY 1, 1958 H = 16.10.15 2N 79W DEPTH NORMAL M = 6.8

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ABERDEEN	16.6	15.5		.196	1	32.5	21.6	2.527	-0.310	.197	-0.930
ALICANTE	23.6	11.1		.140	1	51.5	22.1	2.465	-0.234	.294	-0.927
ALMERIA	23.4	10.5		.139	1	52.9	22.7	2.394	-0.233	.307	-0.923
BALBOA	-0.2	1.5		.291	100	355.4	78.5	.203	-0.977	-0.078	-0.200
BELGRADE	25.6	15.3		.126	100	44.8	18.6	2.968	-0.226	.225	-0.948
BENSBERG	21.4	15.1		.160	100	39.9	20.2	2.719	-0.265	.221	-0.939
BERKELEY	-13.7	8.8		-0.089	-100	317.4	31.2	1.652	-0.381	-0.350	-0.856
BOGOTA	1.7	.5	W	.540	-1	62.0	80.9	.159	-0.463	.872	-0.158
BOMBAY	81.3	37.8		.011	100	51.9	6.8	8.433	-0.073	.093	-0.993
BOZEMAN	-9.4	10.3		.003	100	331.7	31.7	1.616	-0.463	-0.249	-0.851
BRATISLA	23.8	15.8		.139	1	41.8	18.9	2.918	-0.242	.216	-0.946
BUENOS A	7.7	-9.3		-0.338	-100	154.0	35.0	1.429	.515	.252	-0.819
BUTTE	-9.7	10.4	W	-0.000	100	331.0	31.4	1.639	-0.456	-0.252	-0.854
BYRD	-3.7	-19.2		-0.046	-100	186.5	20.6	2.661	.349	-0.040	-0.936
CALCUTTA	52.6	63.5		.022	100	26.1	5.9	9.751	-0.092	.045	-0.995
CANTON	-49.8	63.5		.020	100	335.1	5.9	9.658	-0.093	-0.043	-0.995
CARTUJA	22.9	10.4	W	.145	-1	52.4	23.0	2.361	-0.238	.309	-0.921
CHINCHIN	1.1	.6	W	.856	-100	48.9	82.9	.124	-0.652	.748	-0.124
CLERMONT	22.3	13.5		.157	100	44.3	21.0	2.606	-0.256	.250	-0.934
CLEVELAN	-0.9	10.2		.251	100	357.0	35.4	1.405	-0.579	-0.030	-0.815
COIMBRA	20.7	10.7	W	.177	-1	48.7	24.0	2.243	-0.268	.306	-0.913
COLLEGE	-12.1	16.2		.058	100	336.1	22.2	2.446	-0.346	-0.153	-0.926
COLUMBIA	-0.9	9.3		.266	100	356.8	37.9	1.286	-0.613	-0.034	-0.790
CORVALLI	-12.7	10.3		-0.039	-100	323.8	29.6	1.760	-0.398	-0.292	-0.869
DE BILT	20.2	15.3		.169	100	38.0	20.5	2.678	-0.275	.215	-0.937
DEHRA DU	52.9	49.2	W	.029	-100	32.5	7.1	8.038	-0.104	.066	-0.992
DJAKARTA	-30.6	-12.8		.035	100	234.8	18.1	3.060	.179	-0.254	-0.951
DURHAM	17.7	15.0		.192	100	34.9	21.6	2.523	-0.302	.211	-0.930
EUREKA	-11.7	9.1	W	-0.069	100	322.7	32.3	1.583	-0.425	-0.323	-0.846
FAYETTEV	-5.9	9.3		.058	100	339.3	36.1	1.372	-0.551	-0.208	-0.808
FLORENCE	25.0	14.1		.131	100	46.4	19.5	2.820	-0.230	.242	-0.943
FRESNO	-13.2	8.6		-0.097	-100	317.6	32.0	1.601	-0.391	-0.357	-0.848
HALIFAX	4.9	10.3		.378	100	15.7	34.1	1.477	-0.540	.151	-0.828
HAWAII	-26.9	5.6		-0.056	-100	289.4	23.2	2.331	-0.131	-0.372	-0.919
HERMANUS	30.4	-12.3		-0.200	-100	124.3	18.4	3.001	.178	.261	-0.949
HUNGRY H	-9.7	10.9		.013	100	332.2	30.5	1.696	-0.449	-0.237	-0.862
HUANCAYO	1.4	-3.1	W	-0.225	100	165.5	66.0	.445	.884	.229	-0.407
HYDERABA	84.3	44.8	W	.011	-100	48.1	6.2	9.251	-0.072	.080	-0.994
ISTANBUL	27.3	14.9		.114	100	47.4	18.2	3.033	-0.212	.230	-0.950
KARLSRUH	22.2	15.0		.154	100	41.2	20.0	2.753	-0.257	.225	-0.940
KEW	19.3	14.4		.183	100	38.3	21.5	2.534	-0.288	.228	-0.930
KODAIKAN	108.2	33.9		-0.003	-100	62.1	5.7	9.996	-0.047	.088	-0.995
KSARA	29.9	13.2		.092	100	53.1	18.2	3.046	-0.187	.250	-0.950
KUNMING	-59.4	51.9		.019	100	325.9	6.6	8.641	-0.095	-0.065	-0.993
LA PLATA	7.8	-9.3	W	-0.340	1	153.6	34.9	1.436	.512	.254	-0.821
LEMBANG	-302.9	-132.0		-0.015	-100	233.6	1.9	30.705	.019	-0.026	-0.999
LISBON	20.8	10.3		.173	100	50.1	24.3	2.215	-0.264	.316	-0.911
M BOUR	22.4	3.6		.003	100	74.9	27.8	1.896	-0.122	.450	-0.885
MEDAN	197.4	278.8		-0.006	-100	22.7	1.4	41.700	-0.022	.009	-1.000

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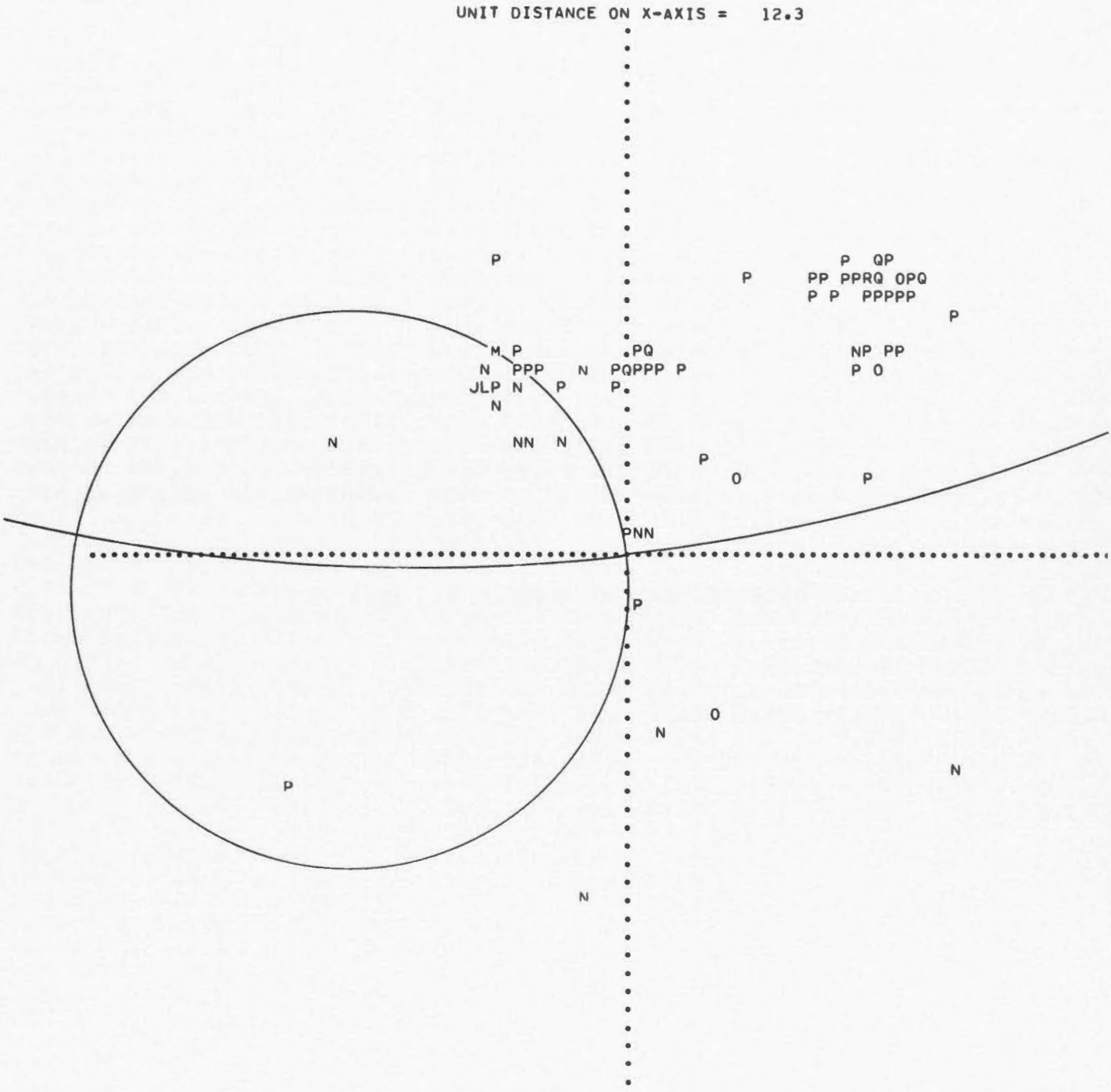
FEBRUARY 1, 1958 H = 16.10.15 2N 79W DEPTH NORMAL M = 6.8

MERIDA	-5.7	6.4		-0.094	-100	331.9	45.2	.994	-0.626	-0.333	-0.705
MESZSTET	22.7	14.9		.150	100	42.0	19.9	2.765	-0.252	.228	-0.940
MINERAL	-13.1	9.3		-0.070	-100	320.4	30.9	1.674	-0.395	-0.327	-0.859
MONTREAL	1.7	10.6		.318	100	5.5	34.4	1.462	-0.562	.054	-0.826
MORGANTO	-0.4	10.0		.273	1	358.8	35.9	1.379	-0.587	-0.012	-0.810
MORNE DE	9.9	4.3		.422	100	53.4	44.8	1.005	-0.421	.566	-0.709
MOUNT HA	-13.6	8.7		-0.093	-100	317.2	31.4	1.636	-0.382	-0.354	-0.853
NENCHATE	22.8	14.3		.151	100	43.2	20.2	2.714	-0.252	.237	-0.938
NOUMEA	-81.3	-20.8		-0.006	-100	246.6	7.9	7.226	.054	-0.126	-0.991
OTTAWA	1.0	10.6		.302	100	3.4	34.4	1.458	-0.564	.033	-0.825
PALISADE	1.8	10.1		.336	100	6.1	35.5	1.402	-0.577	.062	-0.814
PAVIA	24.0	14.2		.140	100	45.0	19.8	2.770	-0.240	.240	-0.941
PERTH	-42.4	-57.5	W	-0.030	100	203.6	6.6	8.652	.105	-0.046	-0.993
PRAGUE	22.6	16.0		.147	100	40.0	19.2	2.873	-0.252	.211	-0.944
QUETTA	63.8	40.9		.023	100	42.7	7.4	7.675	-0.095	.088	-0.992
RACIBORZ	23.0	16.3		.143	100	39.8	18.8	2.929	-0.248	.207	-0.946
RAPID CI	-7.5	10.1		.035	100	336.2	33.3	1.520	-0.503	-0.222	-0.836
RATHFARN	17.2	14.1		.205	100	35.8	22.6	2.398	-0.312	.225	-0.923
RELIZANE	24.7	10.6		.124	100	54.2	21.9	2.490	-0.218	.302	-0.928
RENO	-12.7	9.2		-0.075	-100	320.5	31.4	1.636	-0.402	-0.332	-0.853
REYKJAVI	10.6	15.1		.236	100	22.5	23.9	2.258	-0.374	.155	-0.914
RIVERVIE	-69.5	-34.4	W	-0.013	100	230.1	7.7	7.400	.086	-0.103	-0.991
ROME	26.0	13.7		.123	100	48.3	19.3	2.848	-0.220	.247	-0.944
SAINT LO	-4.2	9.7	W	.130	-100	345.6	35.8	1.385	-0.567	-0.145	-0.811
SAINT VI	9.7	3.8	W	.391	-100	56.9	46.5	.949	-0.396	.607	-0.689
SALT LAK	-10.4	9.4		-0.044	-100	326.7	32.8	1.551	-0.453	-0.297	-0.841
SAN JUAN	6.9	5.4		.613	100	37.0	46.9	.935	-0.583	.439	-0.683
SANTA CL	-13.7	8.7		-0.093	-100	317.0	31.4	1.641	-0.381	-0.354	-0.854
SANTA LU	3.4	-9.7		-0.186	-100	168.1	36.3	1.361	.579	.122	-0.806
SEATTLE	-11.9	10.9		-0.014	-100	327.2	29.1	1.794	-0.409	-0.264	-0.874
SEVEN FA	2.5	10.7		.329	100	7.8	33.8	1.492	-0.551	.076	-0.831
SHILLONG	33.7	64.8		.027	100	17.1	6.1	9.354	-0.102	.031	-0.994
SKOPJE	27.0	14.6		.116	100	47.6	18.5	2.983	-0.214	.234	-0.948
STATE CO	.4	10.1		.296	1	1.4	35.6	1.395	-0.582	.014	-0.813
STRASBOU	22.3	14.8		.154	100	41.6	20.1	2.736	-0.257	.228	-0.939
STUTTGAR	22.5	15.1		.151	100	41.4	19.8	2.770	-0.254	.225	-0.941
TACUBAYA	-10.5	5.7		-0.241	-100	312.5	40.8	1.158	-0.441	-0.482	-0.757
TANANARI	84.6	-19.9		-0.062	-100	111.7	7.7	7.431	.049	.124	-0.991
TOLEDO	22.0	11.1		.159	100	49.7	22.9	2.361	-0.252	.297	-0.921
TRIESTE	24.6	14.8		.134	100	44.5	19.2	2.869	-0.235	.231	-0.944
TSUKUBA	-58.8	41.6	W	.019	-100	320.1	7.6	7.476	-0.102	-0.085	-0.991
TUCSON	-11.7	7.9		-0.121	-100	318.5	34.7	1.446	-0.426	-0.377	-0.823
UKIAH	-13.7	9.1		-0.080	-100	318.3	30.7	1.684	-0.381	-0.340	-0.860
VERACRUZ	-9.2	5.8		-0.237	-100	316.7	42.5	1.091	-0.491	-0.463	-0.738
VICTORIA	-12.0	11.2		-0.010	-100	327.5	28.7	1.824	-0.405	-0.258	-0.877
WASHINGT	.7	9.9		.311	100	2.6	36.1	1.370	-0.589	.026	-0.808
WESTON	2.6	10.2		.351	100	8.7	35.1	1.423	-0.568	.087	-0.818
WITTEVEE	20.2	15.6		.167	100	37.4	20.2	2.714	-0.275	.210	-0.938
ZAGREB	24.8	15.1	W	.132	-100	44.2	19.0	2.906	-0.233	.227	-0.946
ZURICH	23.0	14.7		.149	100	42.8	19.9	2.756	-0.250	.232	-0.940


UNIT DISTANCE ON X-AXIS = 12.3

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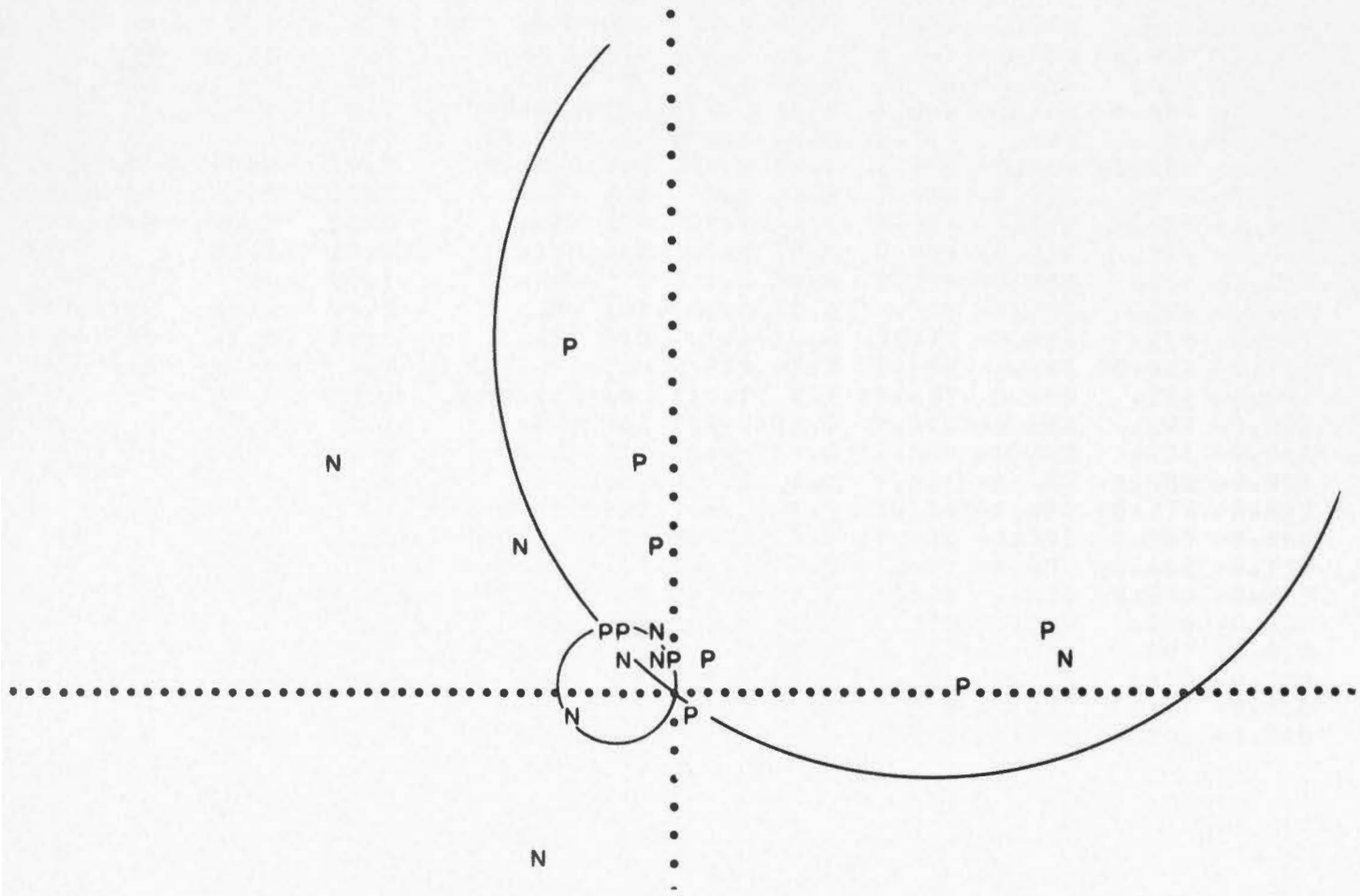
* APRIL 3, 1958 H = 02.23.40 41N 20E DEPTH 25 KM. M = 5.5

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
BELGRADE	.1	.7		.131	100	5.0	84.1	.103	-0.991	.087	-0.103
ATHENS	1.0	-0.7	W	-0.198	100	137.0	82.9	.125	.726	.676	-0.124
ZAGREB	-1.0	1.0		-0.092	-100	329.0	80.9	.160	-0.847	-0.508	-0.159
BUCAREST	1.6	.7		.831	100	52.3	80.8	.162	-0.604	.781	-0.160
VIENNA	-0.9	1.5	W	.000	-100	341.1	77.4	.224	-0.923	-0.316	-0.219
CHUR	-2.7	1.3		-0.000	-100	310.4	74.1	.285	-0.623	-0.732	-0.275
BASEL	-3.1	1.5		.004	100	309.7	71.5	.334	-0.606	-0.730	-0.317
PARC ST	-4.4	2.0		.000	100	307.5	65.8	.448	-0.555	-0.724	-0.410
RELIZANE	-6.0	-0.8		-0.008	-100	256.7	63.2	.505	.206	-0.868	-0.451
UPPSALA	-0.5	4.8		.403	100	356.3	56.4	.664	-0.831	-0.054	-0.553
RATHFARN	-8.8	4.9		-0.066	-100	313.4	45.2	.992	-0.488	-0.516	-0.705
TAMANRAS	-7.7	-5.9		-0.789	-100	218.0	44.3	1.024	.551	-0.430	-0.716
SKALSTUG	-2.0	7.6		.318	100	351.1	43.4	1.056	-0.679	-0.106	-0.726
QUETTA	17.2	-0.2		.226	100	90.9	35.4	1.406	.009	.579	-0.815
RESOLUTE	-6.1	12.1		.094	100	343.2	29.9	1.741	-0.477	-0.144	-0.867
SHILLONG	22.2	2.2		.208	100	80.6	28.5	1.838	-0.078	.471	-0.878
CHITTAGO	23.0	1.5	W	.155	-100	83.8	27.9	1.891	-0.051	.464	-0.884
WESTON	-19.7	8.2		-0.284	-100	305.0	27.0	1.963	-0.260	-0.372	-0.891

UNIT DISTANCE ON X-AXIS = 12.3



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APRIL 14, 1958 H = 21.32.28 1N 79.5W DEPTH NORMAL M = 6.7

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ABERDEEN	16.9	15.8	W	.337	-1	32.4	21.2	2.575	-0.305	.194	-0.932
ALGER UN	25.7	11.4		.403	100	53.3	20.9	2.621	-0.213	.286	-0.934
ALICANTE	24.0	11.3		.384	1	51.4	21.7	2.508	-0.231	.289	-0.929
ALMERIA	23.8	10.7		.379	1	52.8	22.3	2.436	-0.230	.302	-0.925
ANGRA DO	16.1	9.4		.258	100	45.3	28.5	1.845	-0.335	.338	-0.879
ANN ARBO	-1.5	10.3		.040	100	355.2	35.0	1.430	-0.571	-0.048	-0.820
ARCATA	-13.5	9.7		-0.050	-100	320.3	30.0	1.732	-0.385	-0.319	-0.866
BALBOA	-0.0	1.7	W	.132	-100	359.6	76.7	.235	-0.973	-0.007	-0.229
BANDONG	-258.2	-125.1	W	.626	-100	230.7	2.1	27.240	.023	-0.028	-0.999
BARBADOS	11.0	4.1		-0.000	-100	57.7	43.3	1.063	-0.366	.579	-0.728
BASEL	23.0	14.8		.386	100	42.6	19.8	2.770	-0.250	.230	-0.941
BELGRADE	25.8	15.3	W	.411	-100	44.8	18.5	2.983	-0.225	.224	-0.948
BERKELEY	-13.6	9.0		-0.080	-100	318.2	31.0	1.662	-0.384	-0.343	-0.857
BOGOTA	1.9	.8		-0.492	-1	56.3	79.2	.191	-0.545	.817	-0.188
BOMBAY	83.2	37.7		.573	100	52.6	6.7	8.556	-0.070	.092	-0.993
BOULDER	-11.9	8.6		-0.116	-100	320.7	33.1	1.533	-0.423	-0.346	-0.838
BOZEMAN	-9.3	10.5		-0.029	-100	332.4	31.5	1.631	-0.463	-0.242	-0.853
BRATISLA	24.0	15.9		.399	1	41.8	18.8	2.940	-0.240	.214	-0.947
CALCUTTA	54.1	65.4	W	.543	-100	26.1	5.7	10.042	-0.089	.044	-0.995
CARTUJA	23.3	10.6	W	.373	-1	52.3	22.6	2.400	-0.235	.304	-0.923
CHINCHIN	1.4	.8		-0.272	-100	44.5	81.0	.158	-0.704	.692	-0.157
CLERMONT	22.7	13.8		.378	100	44.3	20.7	2.650	-0.253	.246	-0.936
CLEVELAN	-0.7	10.3	W	.049	-100	357.6	35.2	1.418	-0.576	-0.024	-0.817
COLLEGE	-12.2	16.4	W	.167	-100	336.2	22.0	2.476	-0.343	-0.151	-0.927
COLUMBIA	-0.7	9.4		.026	100	357.6	37.5	1.304	-0.608	-0.025	-0.794
COMITAN	-6.4	4.7		-0.398	-100	321.2	50.3	.831	-0.600	-0.481	-0.639
COPENHAG	19.8	17.1	W	.371	-100	34.5	19.3	2.862	-0.272	.187	-0.944
CORVALLI	-12.7	10.4		-0.023	-100	324.4	29.4	1.773	-0.399	-0.286	-0.871
DEHRA DU	53.6	49.6	W	.535	-100	32.6	7.0	8.126	-0.103	.066	-0.993
DJAKARTA	-294.4	-141.0	W	.625	-100	231.0	1.9	30.915	.020	-0.025	-0.999
DURHAM	18.0	15.3		.343	100	34.9	21.3	2.570	-0.297	.207	-0.932
EUREKA	-11.6	9.3	W	-0.083	100	323.5	32.1	1.594	-0.427	-0.316	-0.847
HAWAII	-26.8	5.7		.119	100	289.6	23.3	2.326	-0.133	-0.372	-0.919
HERMANUS	30.3	-12.3		.770	100	124.5	18.4	2.999	.179	.261	-0.949
HORSESHO	-11.8	11.5		.016	100	328.8	28.3	1.854	-0.406	-0.246	-0.880
HUANCAYO	1.5	-2.9	W	.631	-100	162.5	67.2	.419	.879	.278	-0.387
HUNGRY H	-9.6	11.0		-0.005	-100	332.8	30.3	1.713	-0.448	-0.231	-0.864
HYDERABA	87.4	45.2		.572	100	48.8	6.0	9.481	-0.069	.079	-0.994
KARLSRUH	22.5	15.2		.383	100	41.2	19.7	2.789	-0.254	.222	-0.941
KEW	19.6	14.7		.354	100	38.3	21.2	2.581	-0.283	.224	-0.933
KRAKOW	23.2	16.6		.395	100	39.7	18.6	2.968	-0.246	.204	-0.948
LA PLATA	8.0	-9.2		.923	1	152.6	35.0	1.427	.509	.264	-0.819
LISBON	21.1	10.5		.344	100	50.0	24.0	2.249	-0.261	.311	-0.914
M BOUR	22.6	3.7		.371	100	74.5	27.5	1.917	-0.124	.445	-0.887
MEDAN	234.9	346.6	W	.602	-100	21.9	1.1	51.512	-0.018	.007	-1.000
MERIDA	-5.5	6.7		-0.202	-100	334.2	44.2	1.027	-0.628	-0.304	-0.717
MINERAL	-13.0	9.5		-0.062	-100	321.1	30.7	1.685	-0.397	-0.320	-0.860
MONTREAL	1.9	10.7		.094	100	5.9	34.1	1.478	-0.557	.057	-0.828
MORGANTO	-0.2	10.1	W	.052	-1	359.4	35.7	1.393	-0.583	-0.006	-0.812
MORNE DE	10.1	4.7		-0.001	-100	52.2	43.7	1.047	-0.424	.545	-0.723
MOUNT HA	-13.5	8.9	W	-0.087	100	318.0	31.3	1.645	-0.386	-0.348	-0.855
NENCHATE	23.1	14.6		.386	100	43.2	19.9	2.754	-0.249	.233	-0.940
OTTAWA	1.2	10.7		.086	100	3.8	34.2	1.474	-0.560	.037	-0.828
PALISADE	2.0	10.2		.085	100	6.6	35.2	1.415	-0.573	.066	-0.817
PALO ALT	-13.6	8.9		-0.084	-100	317.8	31.1	1.655	-0.383	-0.347	-0.856
PAVIA	24.3	14.4		.396	100	45.0	19.6	2.805	-0.237	.237	-0.942
PERTH	-41.9	-56.5		.695	100	203.7	6.7	8.507	.107	-0.047	-0.993

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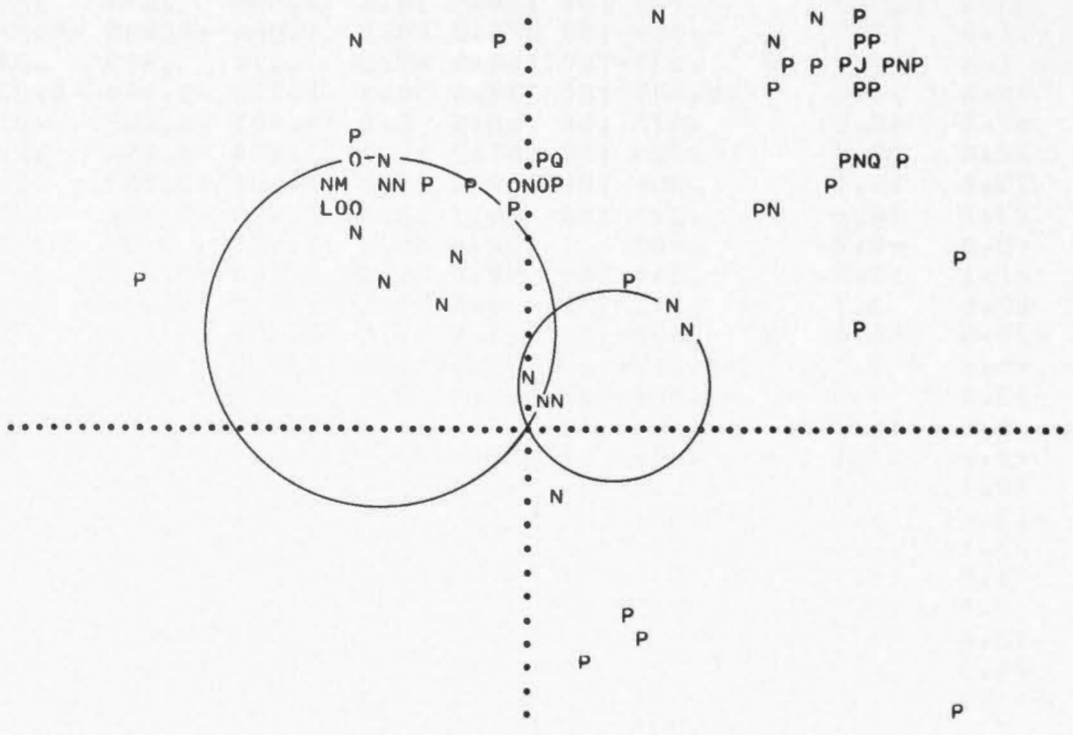
APRIL 14, 1958 H = 21.32.28 1N 79.5W DEPTH NORMAL M = 6.7

PONTA DE	16.7	9.3	W	.266	-100	46.8	28.2	1.867	-0.323	.344 -0.882
RACIBORZ	23.1	16.4		.394	100	39.8	18.7	2.949	-0.247	.205 -0.947
RAPID CI	-7.3	10.2	W	-0.033	100	337.0	33.1	1.533	-0.503	-0.214 -0.838
RATHFARN	17.5	14.4		.330	100	35.8	22.3	2.443	-0.307	.221 -0.926
RENO	-12.6	9.3		-0.074	-100	321.3	31.3	1.646	-0.405	-0.325 -0.855
RESOLUTE	-2.0	16.3		.191	100	355.8	24.0	2.251	-0.405	-0.030 -0.914
RIVERVIE	-69.0	-34.6		.640	100	229.8	7.7	7.382	.087	-0.102 -0.991
SAINT LO	-4.0	9.8	W	-0.014	100	346.5	35.6	1.397	-0.566	-0.136 -0.813
SALT LAK	-10.3	9.6		-0.074	-100	327.5	32.6	1.562	-0.455	-0.289 -0.842
SAN JUAN	7.3	5.9		.015	100	36.5	44.8	1.005	-0.567	.419 -0.709
SANTA LU	3.7	-9.5		.992	100	167.1	36.6	1.348	.581	.133 -0.803
SCORESBY	8.6	16.8	W	.276	-100	16.8	22.4	2.420	-0.365	.110 -0.924
SEATTLE	-11.8	11.1		-0.000	-100	327.7	28.9	1.810	-0.409	-0.258 -0.875
SHAWINIG	2.1	10.8		.100	100	6.5	33.7	1.496	-0.552	.063 -0.832
SHILLONG	34.0	66.7		.528	100	16.8	5.9	9.613	-0.099	.030 -0.995
SKOPJE	27.1	14.6		.421	100	47.6	18.5	2.996	-0.213	.234 -0.949
STATE CO	.6	10.2		.066	1	1.9	35.4	1.409	-0.578	.020 -0.816
STRASBOU	22.6	15.0		.383	100	41.6	19.8	2.775	-0.253	.225 -0.941
STUTTGAR	22.7	15.3		.386	100	41.4	19.6	2.806	-0.252	.222 -0.942
TACUBAYA	-10.2	5.9		-0.302	-100	314.6	40.6	1.167	-0.457	-0.463 -0.760
TALA POZ	6.9	-8.4		.922	100	154.1	37.7	1.292	.550	.268 -0.791
TAMANRAS	30.4	7.5		.461	100	67.3	20.4	2.685	-0.134	.322 -0.937
TOLEDO	22.4	11.3		.364	100	49.5	22.6	2.402	-0.249	.292 -0.923
TSUKUBA	-59.8	41.1		.466	100	319.3	7.6	7.485	-0.100	-0.086 -0.991
TUCSON	-11.5	8.0		-0.151	-100	319.6	34.6	1.452	-0.432	-0.367 -0.824
UKIAH	-13.6	9.3		-0.067	-100	319.0	30.5	1.695	-0.384	-0.333 -0.861
VICTORIA	-11.9	11.3		.009	100	328.0	28.5	1.841	-0.405	-0.253 -0.879
WASHINGT	.9	10.0	W	.066	-100	3.1	35.9	1.383	-0.585	.032 -0.811
ZAGREB	25.0	15.2		.405	100	44.2	18.8	2.930	-0.232	.225 -0.946
ZURICH	23.2	14.8		.388	100	42.8	19.7	2.792	-0.247	.229 -0.941

UNIT DISTANCE ON X-AXIS = 12.3



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JULY 10, 1958 H = 06.15.54 58.3N 136.9W DEPTH NORMAL M = 8

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
SITKA	.3	-0.3	W	.273	-1	148.8	87.5	.043	.855	.518	-0.044
COLLEGE	-1.7	1.5		.586	100	325.5	76.0	.249	-0.800	-0.549	-0.242
COLLEGE	-1.7	1.5		.586	100	325.5	76.0	.249	-0.800	-0.549	-0.242
ALBERNI	3.0	-1.9		.270	100	137.2	70.2	.360	.691	.639	-0.339
HORSESHO	3.4	-1.9	W	.329	-100	133.0	69.4	.376	.638	.685	-0.352
VICTORIA	3.4	-2.0		.271	100	135.5	68.4	.396	.663	.652	-0.369
SEATTLE	3.7	-2.2		.251	100	134.9	66.6	.432	.648	.650	-0.397
TUMWATER	3.6	-2.4	W	.197	-100	137.7	66.1	.442	.677	.615	-0.405
BANFF	5.0	-1.2		.414	100	111.6	66.1	.443	.337	.850	-0.405
LONGMIRE	3.9	-2.4	W	.226	-100	135.3	65.4	.457	.646	.640	-0.416
CORVALLI	3.8	-3.0	W	.052	-100	143.0	62.9	.512	.711	.535	-0.456
HUNGRY H	5.9	-1.8		.337	100	116.9	61.7	.538	.399	.785	-0.474
SASKATOO	7.4	-0.6	W	.210	-100	97.2	58.5	.612	.107	.846	-0.522
BUTTE	7.9	-2.7		.193	100	119.7	53.4	.742	.398	.698	-0.596
ARCATA	4.7	-4.8		-0.168	-100	149.6	52.6	.765	.685	.402	-0.608
FERNDALE	4.9	-5.1		-0.188	-100	150.3	51.2	.804	.677	.386	-0.627
SHASTA	5.9	-5.2		-0.137	-100	146.2	49.1	.867	.628	.420	-0.655
BOZEMAN	9.6	-3.0		.129	100	118.0	48.3	.890	.351	.659	-0.665
MINERAL	6.5	-5.5		-0.131	-100	145.0	47.2	.927	.601	.421	-0.680
UKIAH	6.1	-6.1		-0.198	-100	149.5	45.4	.984	.614	.362	-0.702
RENO	7.6	-5.9	W	-0.114	100	142.5	44.4	1.020	.555	.426	-0.714
BERKELEY	6.7	-6.5		-0.193	-100	148.8	43.5	1.055	.588	.356	-0.726
RESOLUTE	6.0	6.7		-0.216	-100	27.8	43.8	1.043	-0.612	.322	-0.722
SAN FRAN	6.6	-6.6		-0.199	-100	149.3	43.4	1.056	.591	.351	-0.726
PALO ALT	6.7	-6.7		-0.197	-100	149.0	43.0	1.071	.585	.351	-0.731
MOUNT HA	7.0	-6.6		-0.186	-100	148.1	42.8	1.079	.577	.359	-0.734
SALT LAK	10.7	-4.8		.014	100	127.2	42.4	1.093	.408	.538	-0.738
FRESNO	7.8	-6.6		-0.155	-100	145.2	41.9	1.113	.548	.381	-0.744
TINEMAHA	8.4	-6.4		-0.123	-100	142.2	41.8	1.119	.526	.409	-0.746
RAPID CI	13.1	-2.8		.066	100	110.1	41.4	1.135	.227	.621	-0.751
KING RAN	7.8	-7.0		-0.169	-100	146.3	40.9	1.152	.545	.363	-0.756
ISABELLA	8.3	-6.8	W	-0.143	100	143.9	40.9	1.154	.529	.386	-0.756
FORT TEJ	8.2	-7.0	W	-0.159	100	145.3	40.5	1.171	.533	.370	-0.761
BOULDER	9.8	-6.3		-0.084	-100	137.5	40.3	1.180	.476	.437	-0.763
PASADENA	8.5	-7.1		-0.153	-100	144.6	39.9	1.195	.523	.372	-0.767
BOULDER	12.8	-4.2		.035	100	118.7	39.9	1.194	.308	.563	-0.767
RIVERSID	8.8	-7.0		-0.141	-100	143.4	39.7	1.205	.512	.381	-0.770
PALOMAR	9.0	-7.1		-0.139	-100	143.1	39.3	1.222	.506	.380	-0.774
BARRETT	9.1	-7.3		-0.145	-100	143.5	38.7	1.247	.503	.372	-0.780
TUCSON	11.2	-6.6	W	-0.072	100	134.7	37.8	1.287	.432	.436	-0.790
LUBBOCK	14.0	-5.0		.001	100	121.4	36.8	1.334	.312	.512	-0.800
PETROPAV	-15.6	3.3		.734	100	289.8	36.4	1.355	-0.201	-0.559	-0.805
FLORISSA	16.2	-2.2		.028	100	102.9	36.4	1.357	.132	.578	-0.805
FAYETTEV	15.7	-3.3		.027	100	109.7	36.4	1.358	.199	.558	-0.805
SAINT LO	16.2	-2.2		.028	100	102.9	36.3	1.360	.132	.577	-0.806
CHIHUAHU	12.7	-6.5		-0.055	-100	131.0	36.1	1.373	.386	.444	-0.809
NORD	3.6	9.7		.059	100	12.3	36.1	1.372	-0.575	.125	-0.808
DALLAS	15.2	-4.4		.013	100	116.0	35.9	1.380	.257	.527	-0.810
CLEVELAN	17.1	-0.3		.004	100	91.6	35.6	1.395	.016	.582	-0.813
OTTAWA	17.0	1.4		-0.027	-100	82.3	35.5	1.399	-0.078	.576	-0.814
SHAWINIG	16.9	2.0		-0.041	-100	78.7	35.4	1.409	-0.113	.567	-0.816
MONTREAL	17.1	1.7		-0.034	-100	80.6	35.3	1.412	-0.095	.570	-0.816
KIPAPA T	-9.1	-8.8		-0.344	-100	211.5	35.2	1.417	.492	-0.301	-0.817
SEVEN FA	16.9	2.4	W	-0.048	100	76.7	35.2	1.417	-0.133	.561	-0.817
HONOLULU	-9.0	-8.8		-0.346	-100	211.1	35.2	1.419	.493	-0.297	-0.818
MORGANTO	17.4	-0.4		.004	1	92.2	35.1	1.423	.022	.574	-0.818
HAWAII	-7.9	-9.3		-0.372	-100	206.8	34.9	1.434	.510	-0.258	-0.820

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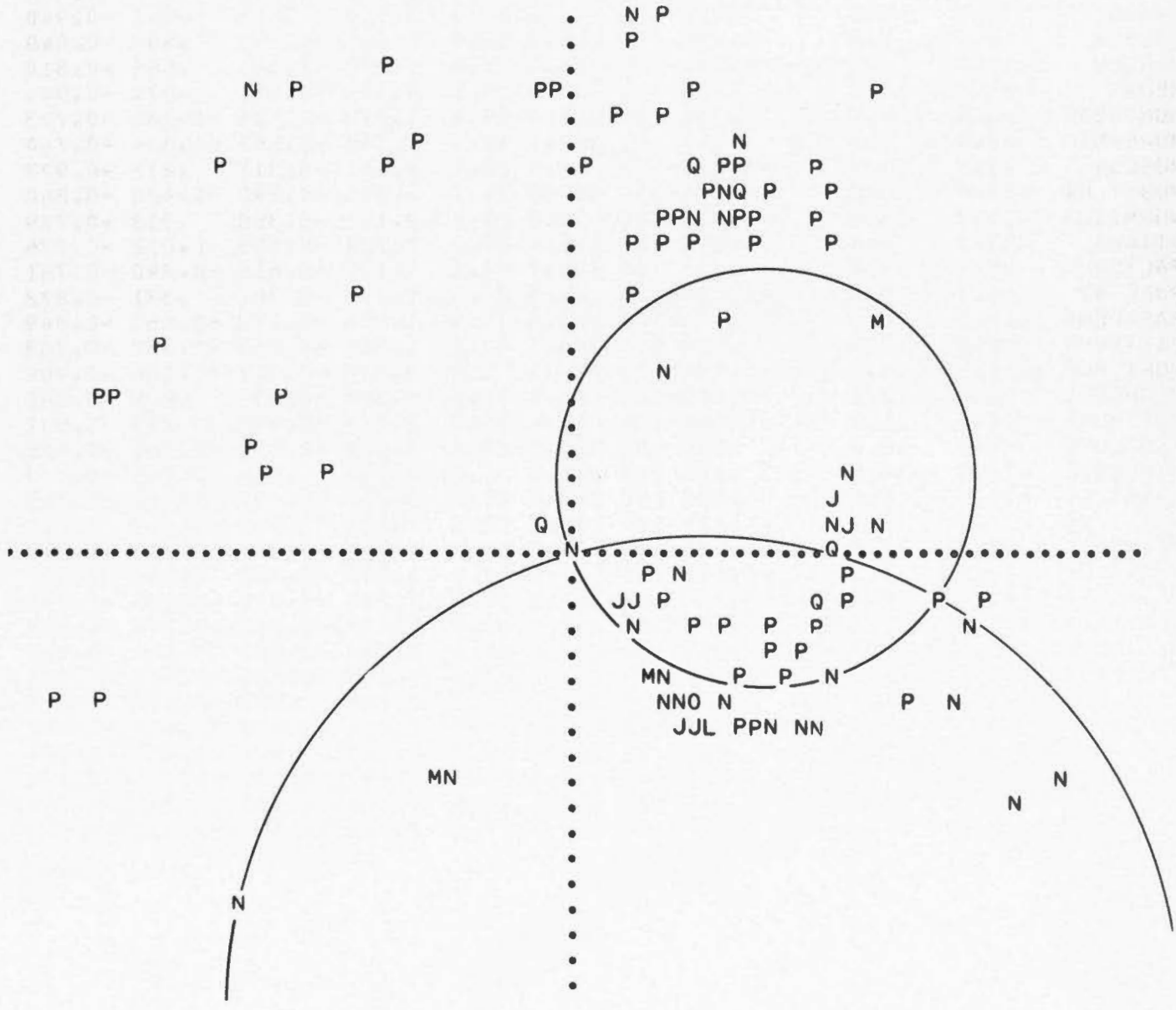
JULY 10, 1958 H = 06.15.54 58.3N 136.9W DEPTH NORMAL M = 8

MAZATLAN	12.4	-7.4	W	-0.086	100	135.1	34.8	1.437	.405	.403	-0.821
PALISADE	17.7	.8		-0.015	-100	85.7	34.6	1.451	-0.043	.566	-0.824
FORDHAM	17.8	.8	W	-0.014	100	85.8	34.5	1.453	-0.041	.565	-0.824
WESTON	17.7	1.4	W	-0.026	100	82.2	34.5	1.456	-0.076	.561	-0.825
CHAPEL H	17.9	-0.9		.008	100	95.1	34.3	1.467	.050	.561	-0.826
COLUMBIA	17.9	-1.6		.013	100	98.6	34.2	1.474	.084	.555	-0.828
HALIFAX	17.6	2.9		-0.051	-100	74.2	33.8	1.493	-0.151	.535	-0.831
TACUBAYA	14.7	-7.0		-0.053	-100	128.7	33.1	1.536	.341	.426	-0.838
VERACRUZ	15.6	-6.6		-0.039	-100	125.3	32.6	1.565	.311	.439	-0.843
REYKJAVI	10.1	9.5	W	-0.047	100	32.3	32.9	1.544	-0.459	.290	-0.840
MERIDA	17.4	-5.3		-0.011	-100	117.2	32.1	1.595	.243	.472	-0.847
KIRUNA	3.7	11.7		.137	100	10.6	31.3	1.646	-0.510	.095	-0.855
BERMUDA	20.4	.9		-0.012	-100	85.7	30.9	1.672	-0.038	.512	-0.858
VLADIVOS	-18.6	5.6		.671	100	296.8	30.4	1.702	-0.229	-0.452	-0.862
SKALSTUG	5.8	12.0		.101	100	16.1	30.1	1.723	-0.482	.139	-0.865
TSUKUBA	-20.5	3.4		.611	100	285.6	30.0	1.735	-0.134	-0.481	-0.866
MATSUSHI	-20.5	3.8		.618	100	287.3	29.7	1.753	-0.147	-0.473	-0.869
BERGEN	7.8	12.0		.071	100	21.1	29.5	1.771	-0.459	.177	-0.871
IRKUTSK	-13.9	10.2		.608	100	321.0	29.0	1.801	-0.377	-0.305	-0.874
UPPSALA	5.6	12.9		.133	100	14.5	28.5	1.840	-0.462	.119	-0.879
GOTEBORG	7.2	12.9		.107	100	18.4	28.1	1.875	-0.446	.148	-0.882
RATHFARN	11.9	11.6		.030	100	31.2	28.1	1.876	-0.402	.243	-0.883
COPENHAG	7.6	13.3	W	.112	-100	18.8	27.3	1.933	-0.435	.148	-0.888
SAN JUAN	23.9	-1.6		.000	100	96.4	27.0	1.960	.051	.451	-0.891
KEW	11.5	12.6		.059	100	28.3	26.9	1.970	-0.398	.215	-0.892
BALBOA	22.3	-5.9	W	-0.018	100	114.1	26.6	1.997	.183	.409	-0.894
DE BILT	10.2	13.1	W	.083	-100	24.6	26.7	1.991	-0.408	.187	-0.894
MOSCOW	1.5	14.5		.242	100	3.4	26.5	2.006	-0.445	.027	-0.895
ANGRA DO	20.0	8.8		-0.008	-100	53.2	26.2	2.034	-0.264	.353	-0.897
JENA	9.0	14.0		.115	100	20.9	25.9	2.062	-0.408	.156	-0.900
PARC ST	11.7	13.3		.076	100	27.6	25.8	2.064	-0.386	.202	-0.900
PONTA DE	20.2	9.1		-0.002	-100	52.6	25.7	2.076	-0.264	.345	-0.901
STUTTGAR	10.2	14.1	W	.106	-100	23.2	25.4	2.109	-0.394	.169	-0.904
BASEL	10.9	14.1		.100	100	24.7	25.1	2.134	-0.385	.177	-0.906
CARACAS	25.7	-3.2		-0.002	-100	101.7	25.0	2.145	.086	.414	-0.906
NENCHATE	11.2	14.1		.098	100	25.3	25.0	2.146	-0.382	.180	-0.906
CLERMONT	12.6	13.7		.083	100	28.4	24.9	2.154	-0.370	.200	-0.907
VIENNA	8.4	14.9		.141	100	18.5	24.8	2.165	-0.398	.133	-0.908
BOGOTA	25.0	-5.7		-0.014	-1	111.3	24.6	2.188	.151	.387	-0.910
BUDAPEST	7.8	15.3		.155	100	16.8	24.4	2.202	-0.396	.120	-0.911
COIMBRA	17.0	12.5		.046	1	38.9	24.4	2.208	-0.321	.259	-0.911
PAVIA	11.2	14.6		.111	100	24.4	24.3	2.214	-0.375	.170	-0.911
TRINIDAD	27.1	-1.9		.002	100	96.8	24.1	2.231	.048	.406	-0.913
TRIESTE	9.8	15.1		.131	100	21.0	24.1	2.231	-0.382	.147	-0.913
TOLEDO	16.2	13.3		.063	100	35.8	23.8	2.265	-0.327	.236	-0.915
ALMATA-A	-11.7	14.9		.461	100	335.1	23.8	2.270	-0.365	-0.170	-0.915
BUCAREST	6.2	16.6		.193	100	12.4	23.1	2.339	-0.384	.085	-0.920
SIMFEROP	3.3	16.9		.234	100	6.5	23.1	2.345	-0.389	.045	-0.920
ROME	11.2	15.7	W	.131	-100	23.0	23.1	2.349	-0.360	.153	-0.920
CARTUJA	17.2	13.7		.070	1	36.6	23.0	2.359	-0.313	.233	-0.921
TASHKENT	-10.0	16.4		.419	100	340.1	22.6	2.402	-0.361	-0.130	-0.923
MAKHACHK	-1.7	17.6		.305	100	356.7	22.4	2.431	-0.380	-0.022	-0.925
ALGER UN	15.8	15.1		.097	100	31.7	22.2	2.454	-0.321	.198	-0.926
TIFLIS T	-0.7	18.0		.291	100	358.7	21.9	2.485	-0.373	-0.009	-0.928
HONG KON	-27.3	8.3		.522	100	297.4	21.8	2.505	-0.170	-0.329	-0.929
BAGUIO	-30.0	6.1		.487	100	289.1	21.1	2.588	-0.118	-0.341	-0.933
ATHENS	8.4	18.1		.189	100	15.3	21.1	2.589	-0.347	.095	-0.933
RABAUL	-30.6	-6.1		.231	100	251.4	20.7	2.639	.113	-0.336	-0.935
MANILLA	-30.9	5.9		.476	100	287.8	20.7	2.646	-0.108	-0.337	-0.935

492
JULY 10, 1958 H = 06.15.54 58.3N 136.9W DEPTH NORMAL M = 8

SUVA	-22.0	-14.4		-0.004	-100	222.1	20.5	2.679	.259	-0.234	-0.937
HUANCAYO	28.9	-10.0		-0.024	-100	120.4	20.1	2.732	.174	.296	-0.939
SHILLONG	-23.0	14.7		.486	100	317.2	19.9	2.758	-0.250	-0.232	-0.940
KSARA	3.6	20.1		.248	100	6.0	19.7	2.793	-0.335	.035	-0.942
QUETTA	-12.2	19.3		.396	100	339.5	19.4	2.843	-0.311	-0.116	-0.943
JERUSALE	4.1	20.6	W	.245	-1	6.7	19.3	2.854	-0.328	.039	-0.944
AGRA	-17.9	17.8		.440	100	329.3	19.3	2.855	-0.284	-0.169	-0.944
PORT MOR	-33.7	-6.0		.242	100	253.2	19.2	2.878	.095	-0.314	-0.945
HELWAN	6.3	20.7		.226	100	10.2	19.0	2.897	-0.321	.058	-0.945
LA PAZ	32.3	-9.5		-0.011	-100	116.4	18.8	2.939	.143	.288	-0.947
TAMANRAS	20.3	17.6		.119	100	34.3	18.8	2.938	-0.266	.181	-0.947
HYDERABA	-20.7	18.1	W	.438	-100	326.0	18.3	3.018	-0.261	-0.176	-0.949

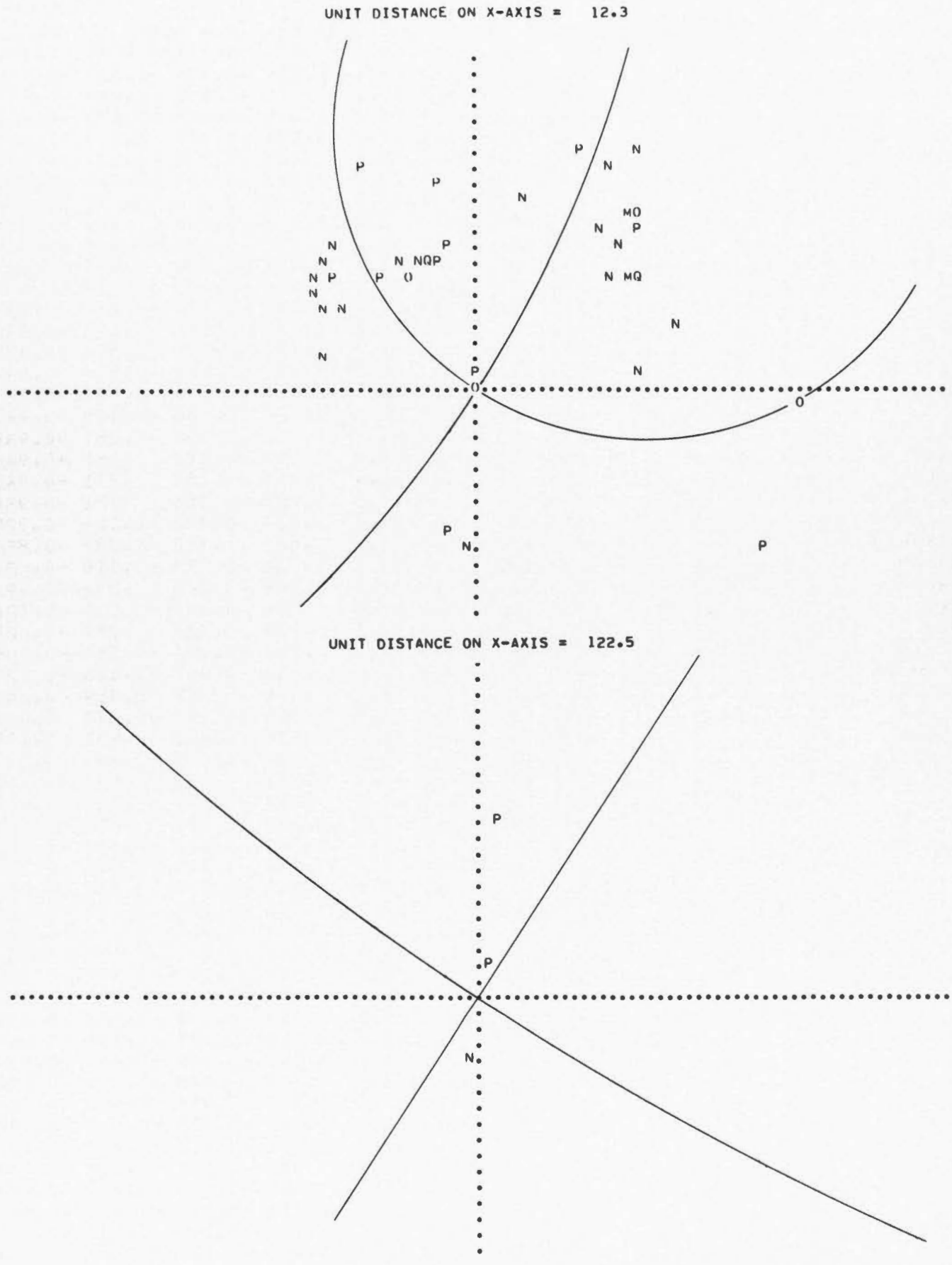
UNIT DISTANCE ON X-AXIS = 12.3



500

JANUARY 8, 1959 H = 01.33.48 15.5N 61W DEPTH 100 KM. M = 6.8

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ALICANTE	16.7	7.1	W	-0.140	1	54.2	30.7	1.683	-0.298	.414	-0.860
ALMERIA	16.6	6.7	W	-0.152	100	55.8	31.4	1.640	-0.292	.431	-0.854
ASTRIDA	34.0	-0.8	W	.002	-100	92.3	19.8	2.776	.014	.339	-0.941
BRATISLA	17.5	10.7	W	-0.064	1	43.9	25.9	2.057	-0.315	.303	-0.899
CARTUJA	16.3	6.7		-0.154	-1	55.3	31.7	1.618	-0.299	.432	-0.851
CHUR	16.6	9.7	W	-0.080	100	45.3	27.7	1.905	-0.327	.330	-0.885
CLEVELAN	-7.5	7.6	W	.140	-100	329.6	39.5	1.212	-0.549	-0.322	-0.772
COLLEGE	-11.9	14.2		.023	100	333.8	24.5	2.189	-0.373	-0.184	-0.910
EUREKA	-15.3	7.0	W	-0.115	100	307.9	32.3	1.581	-0.328	-0.422	-0.845
GRANADA	.1	.2		.650	100	191.8	91.4	.024	.979	-0.205	.025
JENA	15.7	10.7		-0.059	-100	40.9	27.1	1.951	-0.345	.299	-0.890
KEW	13.5	9.8		-0.061	-100	39.1	29.8	1.744	-0.386	.314	-0.868
KIMBERLE	30.4	-9.8		.112	100	118.6	19.5	2.825	.160	.293	-0.943
LA PAZ	-3.3	-8.7		.366	100	192.8	39.0	1.234	.614	-0.139	-0.777
LUBBOCK	-13.9	5.4		-0.164	-100	303.6	36.4	1.358	-0.328	-0.494	-0.805
LWIRO	33.7	-0.8		.001	100	92.2	20.0	2.750	.013	.341	-0.940
MALAGA	16.2	6.5		-0.159	-1	55.8	32.0	1.601	-0.298	.438	-0.848
M BOUR	16.8	.8		-0.205	-100	85.5	36.0	1.378	-0.046	.585	-0.810
MEDAN	85.6	45.0	W	.013	-1	48.4	6.1	9.345	-0.071	.079	-0.994
MONTREAL	-4.4	8.5		.226	100	343.0	39.4	1.219	-0.606	-0.185	-0.773
MORGANTO	-7.4	7.3	W	.147	-1	329.1	40.5	1.169	-0.557	-0.334	-0.760
MOSCOW	17.0	14.7		-0.021	-100	34.4	22.1	2.461	-0.311	.212	-0.927
MOUNT HA	-17.0	6.9		-0.141	-100	304.5	30.7	1.684	-0.290	-0.420	-0.860
NURMIIJA	13.7	13.6		-0.013	-100	30.8	24.6	2.181	-0.358	.213	-0.909
OTTAWA	-5.0	8.4		.212	100	340.4	39.1	1.228	-0.595	-0.212	-0.776
PALISADE	-5.1	7.7		.235	100	338.7	41.3	1.137	-0.615	-0.240	-0.751
PARC ST	14.7	9.5		-0.077	-100	42.5	29.4	1.777	-0.361	.331	-0.872
PASADENA	-16.9	6.0		-0.175	-100	301.0	31.9	1.606	-0.272	-0.453	-0.849
PITTSBUR	-7.2	7.4		.154	100	330.1	40.2	1.182	-0.560	-0.322	-0.763
PORT MOR	-111.5	10.6		-0.024	-100	279.1	6.2	9.220	-0.017	-0.106	-0.994
PRUHONIC	16.4	10.8		-0.060	-100	42.0	26.5	2.006	-0.331	.298	-0.895
RACIBORZ	17.0	11.2		-0.056	-100	41.9	25.7	2.077	-0.323	.290	-0.901
RESOLUTE	-3.7	12.9		.105	100	350.3	29.0	1.804	-0.478	-0.081	-0.875
RIVERVIE	-78.9	-36.6		.004	100	231.9	7.0	8.181	.075	-0.095	-0.993
SAINT LO	-10.5	6.8		.003	100	317.5	38.3	1.267	-0.457	-0.418	-0.785
SAINT VI	.2	1.1		.729	100	186.2	98.7	.153	.983	-0.107	.151
SCORESBY	5.2	12.3	W	.071	-100	14.2	29.8	1.746	-0.482	.122	-0.868
SERRA DO	14.4	7.3		-0.139	-100	49.6	32.9	1.544	-0.352	.414	-0.840
SEVEN FA	-3.3	8.7		.234	100	347.5	39.0	1.234	-0.615	-0.136	-0.777
SHASTA	-16.4	7.7		-0.108	-100	308.4	30.4	1.707	-0.314	-0.396	-0.863
SODANKYL	10.8	14.6		.011	100	23.6	24.5	2.194	-0.380	.166	-0.910
TACUBAYA	-15.6	1.9		-0.392	-100	281.7	37.6	1.299	-0.124	-0.597	-0.793
TALA POZ	-1.2	-10.0	W	.416	-100	184.2	35.8	1.388	.583	-0.043	-0.811
TAMANRAS	21.3	4.1		-0.141	-100	72.1	28.7	1.826	-0.148	.457	-0.877
TRINIDAD	-0.1	-0.4	W	.825	-100	184.7	86.9	.053	.995	-0.081	-0.054
TUCSON	-15.6	5.2		-0.200	-100	299.5	34.3	1.467	-0.277	-0.490	-0.826
UNIVERSI	-6.5	7.6	W	.184	-100	333.1	40.6	1.168	-0.580	-0.294	-0.760
VICTORIA	-14.6	9.4		-0.040	-100	317.3	29.6	1.757	-0.363	-0.335	-0.869


UNIT DISTANCE ON X-AXIS = 12.3
UNIT DISTANCE ON X-AXIS = 122.5

501
JANUARY 22. 1959 H = 05.10.25 34N 142E DEPTH 33 KM. M = 6.8

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ABERDEEN	-10.4	18.2		.634	1	341.3	20.6	2.655	-0.334	-0.113	-0.936
AKITA	-0.5	1.2		.060	100	345.6	80.3	.171	-0.955	-0.245	-0.169
ALICANTE	-18.0	19.1		.632	1	330.9	18.3	3.019	-0.275	-0.153	-0.949
ALMERIA	-17.7	19.3		.628	100	331.5	18.2	3.032	-0.275	-0.149	-0.950
AOMORI	-0.3	1.5		.082	100	352.2	78.6	.202	-0.971	-0.132	-0.198
ATHENS	-23.9	14.6		.698	100	315.9	19.6	2.803	-0.241	-0.234	-0.942
BERGEN	-10.4	16.7		.672	100	339.7	22.2	2.453	-0.354	-0.131	-0.926
BOULDER	24.4	10.7		-0.021	-100	53.3	22.0	2.480	-0.223	.300	-0.928
BOKARO	-19.2	.7		.788	100	273.8	32.5	1.572	-0.035	-0.535	-0.844
BOZEMAN	19.8	12.4	W	.085	-100	43.5	23.0	2.350	-0.284	.270	-0.920
BRATISLA	-18.0	16.1	W	.697	-1	326.5	20.6	2.666	-0.293	-0.194	-0.936
BUCAREST	-20.6	14.3		.727	100	319.4	21.1	2.588	-0.274	-0.234	-0.933
CARTUJA	-17.2	19.5	W	.625	-1	332.5	18.2	3.033	-0.278	-0.145	-0.950
CHATRA	-18.6	1.3	W	.822	-100	276.7	33.2	1.525	-0.064	-0.544	-0.836
CHITTAGO	-18.2	-0.2	W	.753	-100	268.7	33.9	1.490	.012	-0.557	-0.830
CHOSI	-0.2	.2	W	-0.136	100	331.4	88.4	.028	-0.878	-0.478	-0.029
CHUR	-17.5	17.6		.664	100	329.6	19.5	2.822	-0.288	-0.169	-0.943
CINE	-24.3	13.5		.714	100	313.3	20.2	2.721	-0.236	-0.251	-0.939
CLEVELAN	18.8	18.4		.209	100	31.3	18.6	2.962	-0.273	.166	-0.948
COLLEGE	10.1	10.0		.242	100	30.9	31.9	1.609	-0.453	.271	-0.849
COLUMBIA	21.4	17.9		.170	100	35.3	18.3	3.027	-0.256	.181	-0.950
COPENHAG	-13.6	16.3		.693	100	333.7	21.7	2.512	-0.332	-0.164	-0.929
DJAKARTA	-14.4	-8.1		.129	100	226.6	31.7	1.620	.360	-0.382	-0.851
DURHAM	-11.5	18.6		.632	100	339.8	20.1	2.730	-0.323	-0.119	-0.939
EUREKA	22.5	10.8		.002	100	50.9	22.9	2.368	-0.245	.302	-0.921
GIFU	-1.5	.3		.267	100	289.4	82.8	.126	-0.330	-0.936	-0.126
GUAM	1.5	-6.7		-0.833	-100	172.4	47.1	.928	.727	.097	-0.680
HACHINOH	-0.1	1.4		.052	100	356.9	79.1	.191	-0.981	-0.054	-0.189
HAKODATE	-0.3	1.7		.125	100	353.1	76.8	.234	-0.967	-0.116	-0.228
HAMADA	-3.0	.3	W	.467	-100	279.0	76.1	.246	-0.152	-0.959	-0.240
HELWAN	-28.1	11.9		.697	100	305.6	19.5	2.820	-0.195	-0.272	-0.943
HIKONA	-1.6	.3		.296	100	286.5	82.1	.138	-0.282	-0.950	-0.138
HIROSHIM	-2.9	.2		.447	100	275.3	76.7	.236	-0.090	-0.969	-0.230
HONG KON	-13.7	-2.7		.569	100	251.8	40.2	1.181	.202	-0.614	-0.763
HONGO	-0.5	.3		.001	100	313.5	87.0	.051	-0.688	-0.724	-0.052
HUNGRY H	18.5	12.0		.097	100	42.4	24.1	2.235	-0.301	.275	-0.913
HYDERABA	-21.9	.2		.719	100	270.7	29.2	1.791	-0.006	-0.487	-0.873
IBUKIYAM	-1.6	.3		.286	100	288.2	82.2	.136	-0.309	-0.941	-0.135
ISABELLA	24.0	9.9		-0.047	-100	55.2	22.7	2.385	-0.220	.318	-0.922
ISHINOMA	-0.2	.9		-0.036	-100	352.9	82.9	.124	-0.985	-0.122	-0.124
ISTANBUL	-22.4	13.5		.730	100	315.5	21.0	2.609	-0.255	-0.251	-0.934
JENA	-15.9	17.0		.679	100	331.1	20.5	2.677	-0.306	-0.169	-0.937
KAGOSHIM	-3.6	-0.4		.439	100	259.0	73.2	.301	.182	-0.940	-0.289
KAKIOKA	-0.4	.4		-0.059	-100	327.0	86.6	.058	-0.837	-0.544	-0.059
KARACHI	-23.3	3.4		.787	100	283.8	27.1	1.957	-0.109	-0.442	-0.891
KEW	-13.2	18.9		.632	100	337.5	19.5	2.816	-0.309	-0.128	-0.942
KIRUNA	-8.9	14.3		.725	100	339.8	25.4	2.104	-0.403	-0.148	-0.903
KOCHI	-2.5	-0.0		.395	100	268.7	78.3	.207	.023	-0.979	-0.204
KODAIKAN	-23.4	-1.4	W	.633	-100	264.3	27.5	1.919	.046	-0.460	-0.887
KOFU	-0.9	.3		.131	100	301.4	85.3	.082	-0.520	-0.850	-0.082
KSARA	-25.8	11.3		.731	100	306.4	20.9	2.617	-0.212	-0.287	-0.934
KUMAGAYA	-0.6	.4		.030	100	315.7	85.8	.073	-0.714	-0.696	-0.073
KYOTO	-1.8	.2		.323	100	282.8	81.4	.150	-0.220	-0.964	-0.149
LAHORE	-20.1	3.8		.857	100	287.6	30.2	1.719	-0.152	-0.479	-0.864
LA PAZ	97.0	27.1		.022	100	64.7	6.5	8.754	-0.048	.103	-0.994
LA PAZ	37.8	10.5	W	-0.089	100	64.7	16.3	3.410	-0.120	.253	-0.960
LEMBANG	-14.1	-8.3		.106	100	225.3	31.6	1.623	.369	-0.373	-0.851

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LUBBOCK	26.2	13.7	W	.040	-100	48.5	19.3	2.853	-0.219	.248	-0.944
LWIRO	-86.2	10.4		.330	100	281.5	7.9	7.181	-0.027	-0.135	-0.990
MADRAS	-22.1	-1.1		.661	100	265.3	28.9	1.813	.040	-0.481	-0.876
MAEBASI	-0.7	.4	W	.057	-100	315.8	85.0	.086	-0.714	-0.695	-0.087
MALAGA	-17.0	19.6		.623	1	332.9	18.2	3.037	-0.278	-0.143	-0.950
MATSUSHI	-1.0	.5	W	.131	-100	310.3	83.8	.108	-0.643	-0.758	-0.108
MATSUYAM	-2.8	.0		.427	100	271.3	77.2	.227	-0.022	-0.975	-0.222
MEDAN	-17.3	-5.3		.393	1	242.7	32.2	1.587	.244	-0.474	-0.846
MESSINA	-22.7	16.4		.673	100	320.6	18.9	2.919	-0.250	-0.206	-0.946
MISHIMA	-0.7	.2		.128	100	294.9	86.4	.062	-0.420	-0.905	-0.063
MIYAKO	-0.0	1.2		.004	100	359.7	80.8	.162	-0.987	-0.004	-0.160
MIYAZAKI	-3.3	-0.4		.420	100	259.7	74.7	.274	.172	-0.949	-0.265
MONTREAL	14.9	19.5		.275	100	24.3	18.7	2.956	-0.292	.132	-0.947
MORGANTO	19.1	18.5	W	.208	-1	31.3	18.5	2.992	-0.271	.165	-0.948
MORIOKA	-0.2	1.2		.024	100	353.5	80.6	.165	-0.980	-0.111	-0.163
MOSCOW	-15.1	12.5		.798	100	324.4	25.3	2.119	-0.347	-0.249	-0.904
NAGANO	-1.0	.5	W	.130	-100	311.7	83.6	.112	-0.661	-0.742	-0.111
NAGASAKI	-3.8	-0.1		.498	100	266.2	72.7	.311	.063	-0.953	-0.297
NURMIIJA	-12.4	14.2		.748	100	332.6	24.4	2.208	-0.366	-0.190	-0.911
OKAYAMA	-2.4	.2		.397	100	278.1	78.8	.197	-0.138	-0.971	-0.194
OMAEZAKI	-0.9	.1		.209	100	281.8	85.5	.078	-0.205	-0.976	-0.079
ONAHOMA	-0.3	.5		-0.094	-100	343.4	85.7	.075	-0.955	-0.286	-0.075
OSAKA	-1.9	.2		.337	100	278.5	81.1	.156	-0.145	-0.977	-0.155
OSHIMA	-0.5	.1		.116	100	290.1	87.5	.043	-0.344	-0.938	-0.043
PARC ST	-15.0	18.7	W	.640	-100	334.6	19.3	2.855	-0.298	-0.142	-0.944
PASADENA	24.8	9.7		-0.058	-100	56.4	22.4	2.428	-0.211	.317	-0.925
PAVIA	-18.2	17.8		.660	100	328.8	19.2	2.864	-0.282	-0.171	-0.944
POONA	-23.0	1.0		.733	100	274.3	28.0	1.884	-0.035	-0.467	-0.883
PORT MOR	2.3	-10.5	W	-0.710	100	172.6	34.4	1.460	.560	.073	-0.825
PORT BLA	-18.7	-2.8		.583	100	255.7	32.3	1.579	.132	-0.518	-0.845
PRAGUE	-16.7	16.5		.690	100	329.1	20.6	2.657	-0.302	-0.181	-0.936
QUETTA	-21.9	4.5		.828	100	289.2	27.8	1.893	-0.153	-0.441	-0.884
PRUHONIC	-16.8	16.5		.690	100	329.0	20.6	2.657	-0.302	-0.181	-0.936
RATHFARN	-10.9	19.4		.611	100	341.6	19.5	2.819	-0.317	-0.105	-0.942
RESOLUTE	5.9	13.9		.432	100	14.2	26.7	1.984	-0.436	.110	-0.893
RIVERVIE	3.6	-14.8	W	-0.564	100	171.8	25.9	2.060	.432	.063	-0.900
ROME	-20.4	17.1		.668	100	324.8	19.1	2.891	-0.267	-0.188	-0.945
SALT LAK	22.2	11.9		.037	100	48.0	22.2	2.445	-0.254	.281	-0.926
SANTA LU	119.0	-9.9		-0.058	-100	98.0	5.8	9.813	.014	.100	-0.995
SCORESBY	-2.7	16.5		.593	100	354.5	23.6	2.285	-0.399	-0.039	-0.916
SERRA DO	-14.0	20.3		.604	100	337.8	18.3	3.022	-0.291	-0.118	-0.949
SENDAI	-0.3	.9		-0.031	-100	348.5	83.1	.120	-0.973	-0.198	-0.120
SHILLONG	-17.9	.6		.800	100	273.1	34.3	1.466	-0.030	-0.562	-0.826
SHIONOMI	-1.8	-0.1		.314	100	265.6	81.5	.149	.075	-0.986	-0.147
SHIZUOKA	-0.9	.2		.180	100	288.9	85.6	.076	-0.324	-0.943	-0.076
SITKA	13.9	10.0	W	.128	-1	39.5	29.3	1.781	-0.378	.311	-0.872
SKALNATE	-17.8	15.4	W	.714	-100	325.7	21.2	2.575	-0.299	-0.204	-0.932
SKALSTUG	-10.0	15.4		.702	100	339.1	23.7	2.277	-0.376	-0.143	-0.916
SKOPJE	-21.7	15.3	W	.700	-100	320.0	20.0	2.753	-0.261	-0.219	-0.940
SODANKYL	-9.5	13.8		.744	100	337.8	25.9	2.058	-0.405	-0.165	-0.899
STRASBOU	-16.3	17.9		.659	100	331.6	19.6	2.800	-0.296	-0.160	-0.942
STUTTGAR	-16.5	17.6		.665	100	330.9	19.8	2.776	-0.296	-0.165	-0.941
SUMOTO	-2.1	.1		.358	100	275.3	80.3	.170	-0.092	-0.981	-0.168
TOKYO	-0.5	.3		.002	100	313.1	87.1	.051	-0.682	-0.730	-0.051
TOMIE	-4.2	-0.2		.529	100	266.5	71.1	.341	.057	-0.945	-0.323
TOMIZAKI	-0.3	.1		.055	100	297.6	88.2	.031	-0.463	-0.886	-0.031
TOYOOKA	-2.1	.4		.359	100	286.5	79.9	.177	-0.280	-0.944	-0.175
TSUKUBA	-0.4	.4		-0.051	-100	325.6	86.6	.059	-0.824	-0.564	-0.059
TUBINGEN	-16.6	17.6		.665	100	330.8	19.8	2.784	-0.295	-0.165	-0.941

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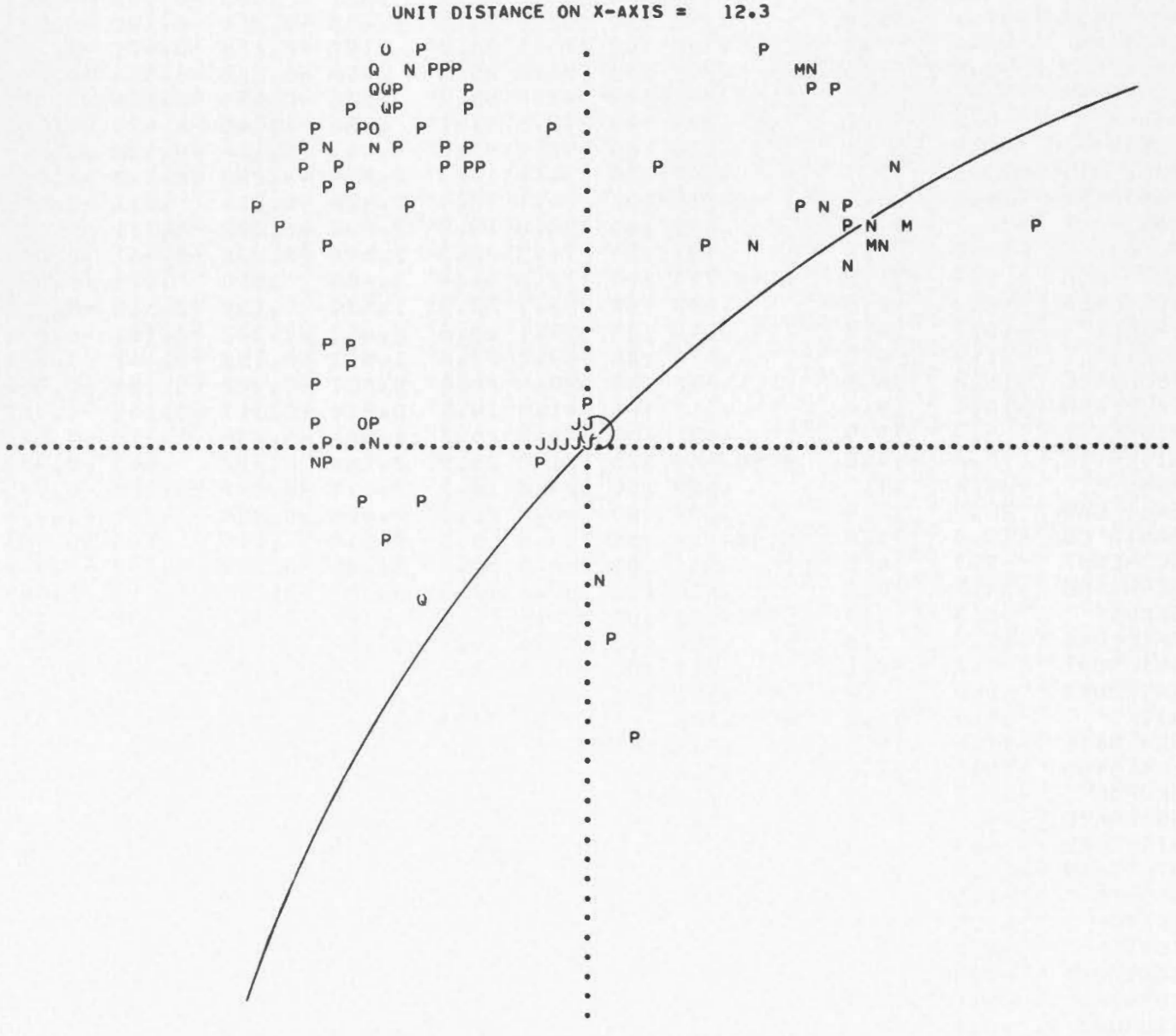
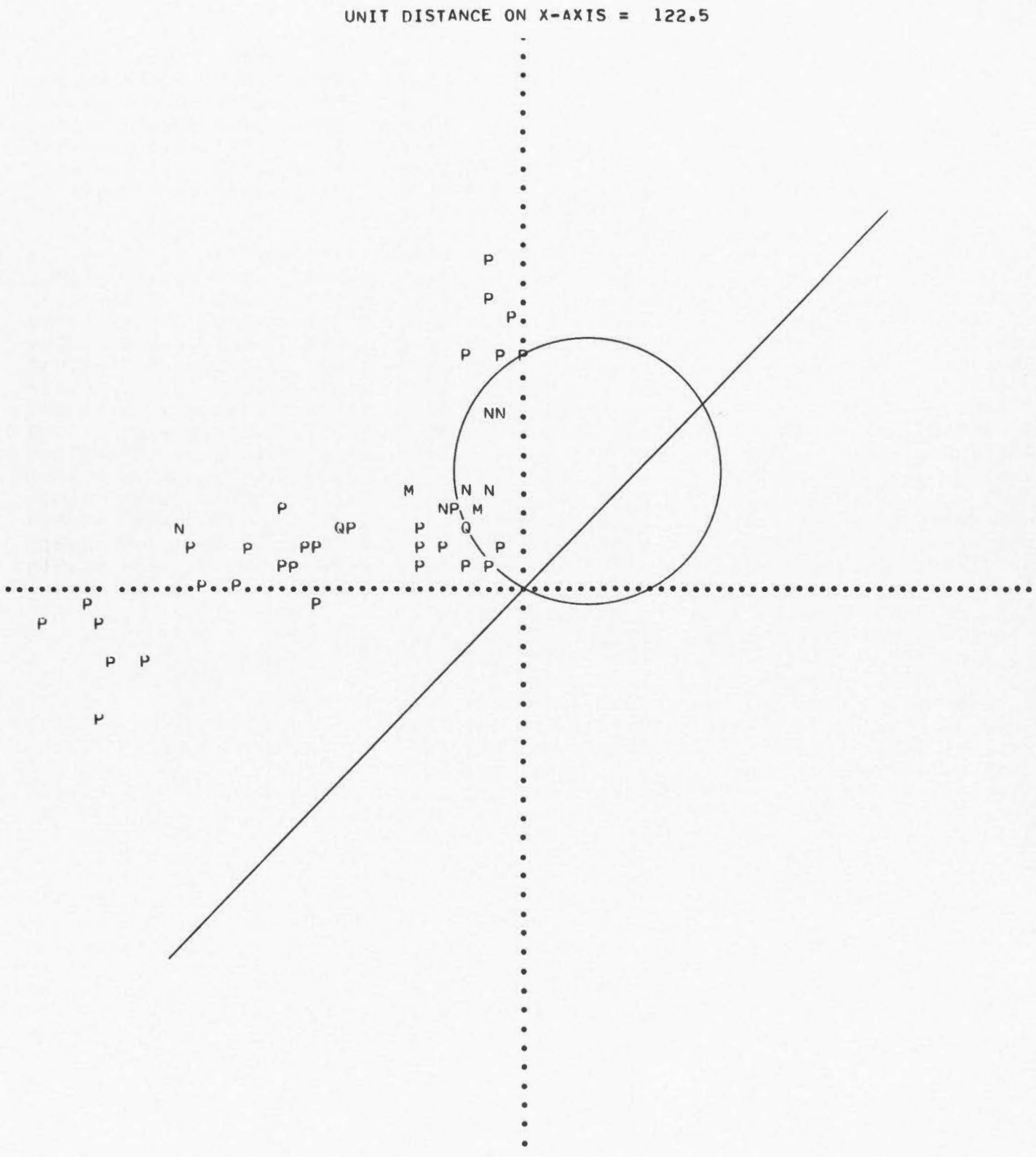
JANUARY 22, 1959 H = 05.10.25 34N 142E DEPTH 33 KM. M = 6.8

TUCSON	26.7	11.3		-0.025	-100	54.4	20.4	2.683	-0.203	.284 -0.937
TUCSON T	26.7	11.4		-0.024	-100	54.2	20.4	2.684	-0.204	.283 -0.937
UKIAH	21.9	9.3		-0.044	-100	54.2	24.4	2.205	-0.241	.335 -0.911
UNIVERSI	18.0	18.9	W	.226	-100	29.4	18.5	2.992	-0.276	.155 -0.948
UNZENDAK	-3.7	-0.2		.485	100	265.9	73.3	.300	.069	-0.955 -0.288
UPPSALA	-12.2	15.1		.721	100	334.5	23.4	2.312	-0.358	-0.171 -0.918
UTUNOMIY	-0.5	.5		-0.024	-100	326.2	85.7	.075	-0.828	-0.555 -0.075
VIENNA	-17.9	16.3		.694	100	326.9	20.5	2.677	-0.293	-0.191 -0.937
WAKAYAMA	-2.0	.1		.347	100	274.2	80.7	.163	-0.073	-0.984 -0.161
WARSAK	-20.0	4.7		.869	100	291.7	29.7	1.753	-0.183	-0.460 -0.869
WARSAW	-16.2	15.1		.725	100	327.6	22.0	2.470	-0.317	-0.201 -0.927
WASHINGT	18.3	18.9	W	.222	-100	29.8	18.4	3.011	-0.273	.157 -0.949
WOODY	23.9	9.8		-0.049	-100	55.4	22.8	2.375	-0.220	.319 -0.922
YAKU SHI	-3.7	-0.7		.397	100	253.1	72.5	.315	.277	-0.912 -0.301
ZAGREB	-19.1	16.4		.687	100	325.5	20.0	2.752	-0.281	-0.193 -0.940
EREVAN	-21.7	10.0		.800	100	307.8	24.0	2.247	-0.249	-0.321 -0.914
SIMFEROP	-20.2	12.5		.768	100	316.3	22.7	2.387	-0.279	-0.267 -0.922



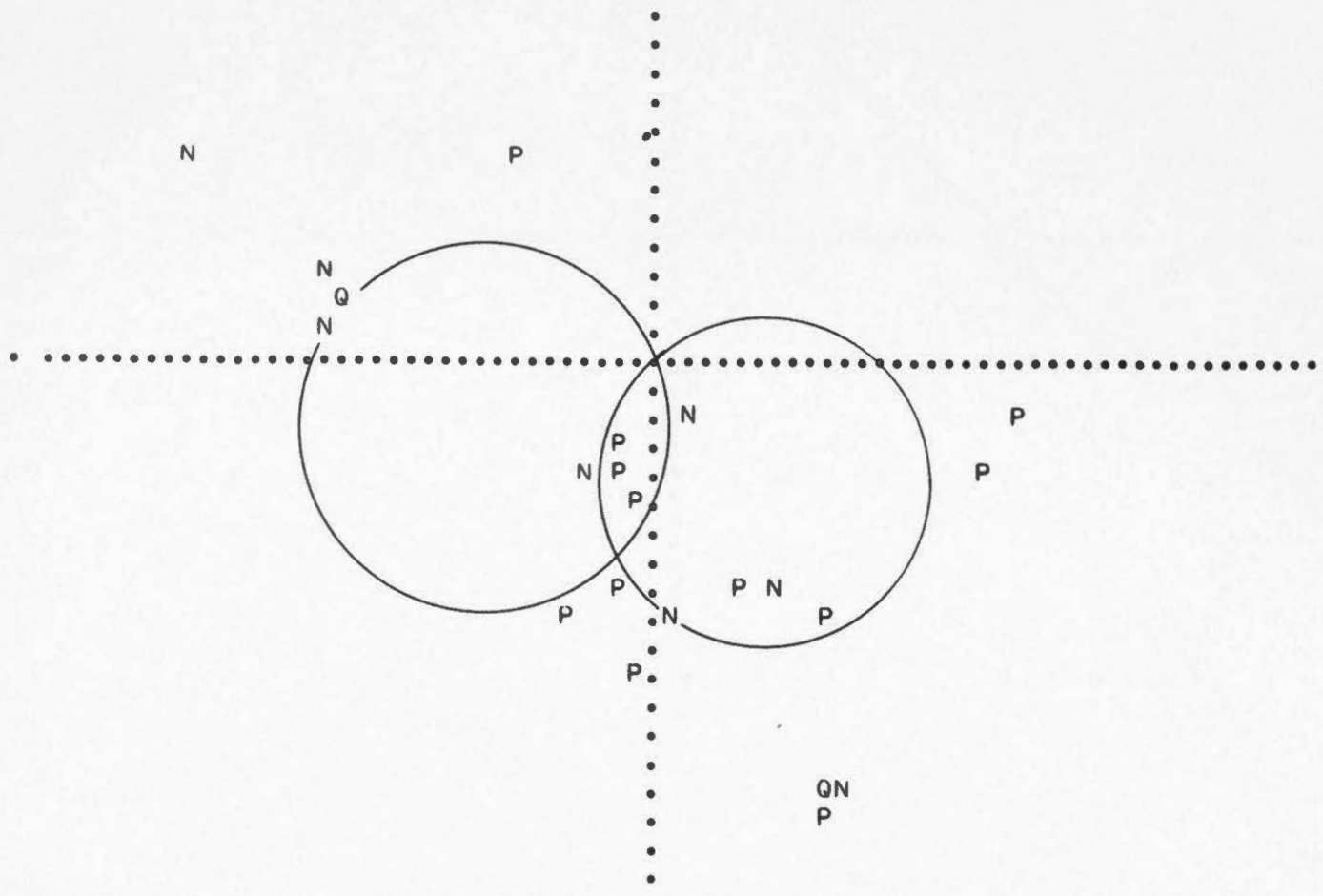

UNIT DISTANCE ON X-AXIS = 122.5

502

* JANUARY 29, 1959 H = 23.24.30 21N 8E DEPTH 25 KM.

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
UPPSALA	1.8	-2.4		-0.225	-100	156.0	69.8	.368	.857	.382	-0.346
DURHAM	-2.2	-3.7		.042	100	199.3	61.8	.536	.831	-0.292	-0.473
RATHFARN	-3.9	-4.5		-0.042	-100	207.1	55.4	.690	.733	-0.375	-0.568
DE BILT	-0.8	-5.2		.008	100	185.3	54.2	.721	.807	-0.075	-0.585
ABERDEEN	-2.1	-3.0		.061	1	202.2	65.6	.453	.843	-0.344	-0.413
CLERMONT	-1.9	-8.2		.012	100	187.9	41.2	1.141	.653	-0.091	-0.752
FLORENCE	1.3	-8.6		-0.001	-100	174.9	39.9	1.194	.639	.057	-0.767
BUCAREST	7.0	-7.7		-0.081	-100	151.9	39.5	1.211	.561	.300	-0.771
RESOLUTE	-8.3	7.0		.470	100	325.0	40.3	1.178	-0.530	-0.371	-0.762
TOLEDO	-4.8	-8.9		.020	100	197.7	37.8	1.289	.584	-0.186	-0.790
JERUSALE	10.3	-8.5	W	-0.023	1	144.5	34.7	1.443	.463	.331	-0.822
UVIRA	10.5	-15.5		.175	100	158.2	23.4	2.307	.369	.148	-0.918
BELGRADE	4.9	-8.1	W	-0.054	100	160.3	40.2	1.183	.607	.218	-0.764
MONTREAL	-17.9	2.0		.003	100	280.9	33.9	1.488	-0.106	-0.547	-0.830
OTTAWA	-17.9	2.4		.022	100	282.7	33.7	1.501	-0.122	-0.541	-0.832
WESTON	-18.5	1.3		-0.009	-100	276.9	33.3	1.524	-0.066	-0.544	-0.836
TAMANRAS	-1.0	-11.2		.064	100	183.0	32.9	1.547	.542	-0.029	-0.840
CLEVELAN	-19.0	3.1	W	.090	-100	285.5	31.9	1.607	-0.141	-0.509	-0.849
QUETTA	18.7	-3.9		.115	100	109.3	31.7	1.619	.173	.496	-0.851
AGRA	21.5	-2.1		.238	100	99.5	29.4	1.776	.081	.484	-0.871
RUMANGAB	10.4	-15.0		.165	100	157.7	24.1	2.236	.378	.155	-0.913
LWIRO	10.2	-15.3		.169	100	158.4	23.8	2.265	.375	.149	-0.915
ASTRIDA	10.7	-15.3	W	.172	-100	157.5	23.7	2.280	.371	.154	-0.916
TACUBAYA	-26.8	6.5	W	.339	-100	292.4	22.9	2.365	-0.148	-0.360	-0.921

UNIT DISTANCE ON X-AXIS = 12.3



508 COMBINATION
APRIL 26, 1959 H = 20.40.38 25N 122.5E DEPTH 150 M = 7.5

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
MELBOURN	7.5	-12.7		-0.271	-100	160.7	28.3	1.858	.447	.157	-0.881
LEMBANG	-6.7	-7.9		-0.779	-100	206.5	39.3	1.220	.567	-0.283	-0.774
MEDAN	-11.0	-5.3		-0.635	-1	230.9	40.7	1.162	.412	-0.506	-0.758
ANTIGUA	8.2	53.2		.570	100	5.2	7.7	7.363	-0.134	.012	-0.991
ABERDEEN	-14.0	16.4		.580	1	333.3	21.5	2.537	-0.328	-0.165	-0.930
ALICANTE	-22.8	15.1	W	.463	-1	318.3	19.7	2.794	-0.251	-0.224	-0.942
BELGRADE	-20.2	12.0	W	.432	-100	315.2	23.1	2.341	-0.278	-0.277	-0.920
CARTUJA	-22.6	15.4	W	.469	-1	319.1	19.5	2.816	-0.253	-0.219	-0.942
ILAN	26.0	5.2		.837	100	251.2	156.0	2.239	.131	-0.386	.913
TAIPEI	22.7	-0.5		.692	100	272.3	151.7	1.855	-0.019	-0.474	.880
HSINGCHU	9.9	1.4		.853	100	256.3	129.7	.830	.182	-0.747	.639
TAICHUNG	5.8	1.7		.732	100	243.3	117.8	.526	.398	-0.790	.466
HSINGKON	2.5	2.6		.360	100	208.9	112.5	.414	.809	-0.447	.383
ALISHAN	3.7	2.1		.532	100	226.8	112.6	.416	.632	-0.673	.385
TAITUNG	1.9	2.0		.216	100	209.2	107.9	.322	.831	-0.464	.307
TAINAN	2.4	1.3		.318	100	226.8	105.2	.271	.661	-0.704	.262
TAWU	1.6	1.6		.120	100	210.0	104.6	.260	.838	-0.484	.252
HENGCHUN	1.2	1.3		.011	100	209.3	101.5	.203	.854	-0.480	.200
ZOSE	-0.0	.2		-0.511	-100	349.4	88.7	.022	-0.983	-0.183	-0.022
NANKING	-0.5	.7		-0.336	-100	335.9	83.8	.109	-0.907	-0.406	-0.109
CANTON	-1.8	-0.2		-0.008	-100	259.4	81.4	.150	.182	-0.972	-0.149
WUHAN	-1.6	.8		-0.086	-100	308.9	80.3	.170	-0.620	-0.767	-0.168
TOMIE	1.2	1.1		.027	100	34.5	79.8	.180	-0.811	.557	-0.178
KAGOSHIM	1.7	1.0		.173	100	45.5	79.1	.191	-0.689	.700	-0.189
NAGASAKI	1.6	1.2		.117	100	38.3	78.3	.206	-0.769	.607	-0.202
KUMAMOTO	1.8	1.2		.182	100	40.9	77.2	.226	-0.737	.638	-0.221
FUKUOKO	1.8	1.4		.159	100	37.5	76.8	.235	-0.773	.592	-0.229
YAKU SHI	1.5	.7		.180	100	50.8	80.8	.162	-0.623	.765	-0.160
OWASHI	3.5	1.7		.494	100	50.1	69.7	.369	-0.602	.720	-0.347
TOYOOKA	3.1	2.0		.432	100	42.5	69.6	.372	-0.691	.633	-0.349
ABUYAMA	3.3	1.9		.465	100	46.4	69.7	.370	-0.647	.679	-0.347
SIAN CHA	-3.6	1.8		.001	100	310.6	68.9	.385	-0.607	-0.708	-0.360
PEKING	-1.6	2.8		.024	100	342.0	67.6	.413	-0.879	-0.286	-0.382
SHIZUOKA	4.6	2.2		.639	100	50.5	64.2	.482	-0.573	.695	-0.435
TOYAMA	4.2	2.6		.614	100	43.7	63.3	.501	-0.646	.618	-0.449
CHENGTU	-5.9	1.6		.014	100	294.2	62.2	.527	-0.362	-0.807	-0.466
MATSUSHI	5.0	2.9		.707	100	46.2	60.2	.571	-0.601	.626	-0.496
WAJIMA W	4.2	2.8		.617	100	41.8	62.6	.517	-0.662	.592	-0.460
MISHIMA	5.0	2.4		.684	100	51.1	62.5	.520	-0.557	.691	-0.462
TOMIZAKI	6.6	3.0		.830	100	52.6	55.7	.681	-0.502	.656	-0.563
KUNMING	-8.3	.3		-0.144	-100	273.9	55.7	.681	-0.056	-0.824	-0.563
MAEBASI	6.4	3.4		.830	100	47.8	54.7	.708	-0.548	.604	-0.578
TOKYO	6.9	3.4		.855	100	50.4	53.8	.731	-0.515	.621	-0.590
CHANGCHU	1.1	5.3		.544	100	7.0	53.4	.743	-0.796	.097	-0.597
PAOTOW	-4.9	4.8		.286	100	329.0	52.3	.772	-0.679	-0.407	-0.611
NIIGATA	6.8	4.2		.868	100	43.9	51.4	.798	-0.563	.542	-0.624
LANCHOW	-8.0	3.8		.181	100	308.9	50.1	.836	-0.482	-0.597	-0.642
SENDAI	7.7	4.4		.914	100	45.6	48.7	.877	-0.526	.537	-0.660
MIYAKO	7.9	4.9		.929	100	43.8	47.0	.932	-0.528	.506	-0.682
MORI	7.0	5.5		.907	100	37.0	46.3	.954	-0.578	.435	-0.691
SAPPORO	7.1	5.8		.914	100	36.0	45.3	.989	-0.575	.418	-0.704
GUAM	11.1	-3.0		.318	100	114.4	45.2	.991	.294	.646	-0.704
ULAN BAT	-5.3	6.9		.466	100	335.5	43.7	1.045	-0.629	-0.287	-0.723
CHITTAGO	-13.5	.1		-0.157	-100	271.0	42.3	1.100	-0.012	-0.672	-0.740
IRKUTSK	-5.3	7.7		.518	100	337.7	41.1	1.145	-0.608	-0.249	-0.753

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DJAKARTA	-7.1	-7.8		-0.776	-100	208.3	39.4	1.215	.559	-0.301	-0.772
PORT MOR	10.0	-7.5		-0.155	-100	141.8	37.2	1.316	.476	.374	-0.796
HYDERABA	-16.1	-0.3		-0.157	-100	268.4	37.3	1.313	.016	-0.605	-0.796
LAHORE	-15.3	3.3		.097	100	290.0	37.0	1.329	-0.205	-0.565	-0.799
COLOMBO	-15.9	-2.8		-0.331	-100	253.4	36.4	1.358	.170	-0.568	-0.805
QUETTA	-16.7	3.4		.103	100	289.2	34.8	1.440	-0.187	-0.539	-0.821
SVERDLOV	-11.4	9.0		.463	100	323.2	32.9	1.548	-0.434	-0.325	-0.840
PERTH	-2.3	-11.7		-0.579	-100	186.7	31.7	1.619	.522	-0.062	-0.851
NOUMEA	15.7	-9.0		.084	100	134.1	29.2	1.791	.339	.350	-0.873
RIVERVIE	9.8	-11.8		-0.197	-100	153.8	28.8	1.818	.432	.213	-0.876
CANBERRA	9.0	-12.2		-0.226	-100	156.3	28.6	1.831	.439	.193	-0.878
COLLEGE	10.8	12.2		.930	100	27.5	27.7	1.903	-0.412	.215	-0.885
KIRUNA	-9.7	13.5		.612	100	337.0	26.3	2.020	-0.408	-0.174	-0.896
NURMIIJA	-12.9	12.7		.545	100	329.0	26.1	2.040	-0.377	-0.227	-0.898
HONOLULU	24.1	4.0		.839	100	74.4	26.1	2.043	-0.118	.423	-0.898
HELSINKI	-13.0	12.6		.542	100	328.6	26.1	2.039	-0.376	-0.229	-0.898
KASTAMON	-20.4	9.7	W	.368	-100	308.9	25.1	2.136	-0.266	-0.330	-0.906
KSARA	-22.2	7.6		.282	100	300.1	25.5	2.092	-0.216	-0.373	-0.902
SITKA	14.5	13.0	W	.921	-1	33.5	24.9	2.153	-0.351	.232	-0.907
UPPSALA	-13.3	13.5		.554	100	329.8	24.9	2.157	-0.363	-0.212	-0.907
JERUSALE	-23.0	7.3	W	.268	-1	298.3	25.1	2.134	-0.201	-0.373	-0.906
SKALSTUG	-11.5	14.2		.592	100	334.4	24.7	2.178	-0.376	-0.180	-0.909
WARSAW	-16.7	12.6		.487	100	321.8	24.4	2.205	-0.324	-0.255	-0.911
RESOLUTE	4.5	15.9		.829	100	9.5	24.2	2.225	-0.404	.068	-0.912
ONERAHI	17.9	-12.3	W	.079	-100	139.2	24.1	2.234	.309	.267	-0.913
HELWAN	-24.6	7.7		.271	100	297.7	23.8	2.271	-0.187	-0.357	-0.915
THULE	1.3	16.3		.789	100	2.7	23.9	2.253	-0.405	.019	-0.914
RACIBORZ	-17.9	12.9		.478	100	320.6	23.5	2.304	-0.308	-0.252	-0.917
COPENHAG	-15.3	14.2		.535	100	327.3	23.3	2.320	-0.333	-0.214	-0.918
KARAPIRO	18.2	-12.9		.077	100	140.1	23.4	2.311	.305	.255	-0.918
ATHENS	-22.9	10.5	W	.368	-100	307.8	22.9	2.369	-0.238	-0.307	-0.921
SKOPJE	-21.4	11.5	W	.407	-100	312.3	22.9	2.365	-0.262	-0.288	-0.921
SCORESBY	-5.7	16.8		.695	100	348.6	22.9	2.370	-0.381	-0.077	-0.921
COBB	16.9	-13.7		.034	100	143.9	23.1	2.338	.318	.231	-0.920
WELLINGT	17.6	-13.8		.052	100	143.0	22.8	2.382	.309	.233	-0.922
GEBBIES	16.6	-14.5		.022	100	145.8	22.5	2.409	.317	.215	-0.924
ROXBURGH	15.2	-14.9	W	-0.014	100	148.8	22.7	2.394	.330	.199	-0.923
TRIESTE	-20.3	13.4		.460	100	318.1	21.9	2.488	-0.278	-0.249	-0.928
BENSBERG	-18.0	14.9	W	.512	-100	324.5	21.5	2.532	-0.299	-0.213	-0.930
STUTTGAR	-18.8	14.5		.496	100	322.4	21.6	2.524	-0.292	-0.224	-0.930
DE BILT	-17.0	15.3		.529	100	326.7	21.5	2.532	-0.307	-0.202	-0.930
CHUR	-19.8	14.3		.482	100	320.7	21.4	2.555	-0.282	-0.231	-0.931
STRASBOU	-18.9	14.7		.498	100	322.8	21.4	2.552	-0.291	-0.220	-0.931
FLORENCE	-21.3	13.7		.455	100	317.4	21.2	2.574	-0.267	-0.245	-0.932
MESSINA	-23.9	12.3		.401	100	311.0	21.2	2.580	-0.237	-0.273	-0.932
ROME	-22.2	13.3		.438	100	315.4	21.2	2.584	-0.257	-0.253	-0.933
PAVIA	-20.6	14.3		.472	100	319.5	21.1	2.593	-0.273	-0.234	-0.933
MONACO	-21.3	14.5		.468	100	319.0	20.7	2.646	-0.266	-0.232	-0.936
RATHFARN	-15.3	17.1		.569	100	332.1	20.5	2.673	-0.310	-0.164	-0.937
CLERMONT	-20.0	15.4		.495	100	322.4	20.5	2.680	-0.277	-0.213	-0.937
SHASTA	22.7	14.2		.867	100	43.5	20.4	2.695	-0.252	.239	-0.938
HUNGRY H	18.4	16.2		.863	100	33.8	20.3	2.696	-0.289	.193	-0.938
UKIAH	23.5	13.8		.865	100	45.2	20.3	2.703	-0.245	.246	-0.938
BERKELEY	24.0	13.8		.861	100	45.8	20.1	2.731	-0.240	.246	-0.939
ASTRIDA	-33.6	-0.4		.050	100	268.8	20.0	2.744	.007	-0.342	-0.940
BUTTE	19.2	16.3		.860	100	34.9	20.0	2.743	-0.281	.196	-0.940
MOUNT HA	24.1	13.8		.860	100	45.9	20.0	2.743	-0.238	.246	-0.940

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LWIRO	-33.8	-0.2		.057	100	269.5	19.9	2.756	.003	-0.341	-0.940
UVIRA	-33.8	-0.6		.048	100	268.3	19.9	2.758	.010	-0.341	-0.940
BOZEMAN	19.1	16.5		.858	100	34.5	19.9	2.759	-0.281	.193	-0.940
ALGER UN	-23.9	14.3		.440	100	315.3	19.8	2.780	-0.241	-0.238	-0.941
TINEMAHA	23.8	14.3		.857	100	44.5	19.8	2.776	-0.242	.238	-0.941
EUREKA	22.5	15.1		.859	100	41.5	19.8	2.776	-0.254	.225	-0.941
SALT LAK	21.3	15.9		.856	100	38.5	19.7	2.794	-0.264	.210	-0.942
PASADENA	25.0	13.9		.853	100	46.9	19.7	2.797	-0.230	.246	-0.942
BOULDER	23.7	14.7		.855	100	43.7	19.6	2.806	-0.243	.232	-0.942
BARRETT	25.4	13.8		.850	100	47.6	19.6	2.814	-0.226	.247	-0.942
LISBON	-20.7	16.4		.501	100	323.3	19.5	2.828	-0.267	-0.199	-0.943
TAMANRAS	-29.2	11.1		.338	100	302.6	19.5	2.830	-0.179	-0.281	-0.943
TUCSON	24.3	14.7		.851	100	44.4	19.4	2.833	-0.238	.233	-0.943
TUCSON T	24.2	14.7		.851	100	44.3	19.4	2.833	-0.238	.232	-0.943
OTTAWA	8.0	20.0		.799	100	13.4	19.4	2.836	-0.323	.077	-0.943
MONTREAL	7.1	20.1		.793	100	11.9	19.4	2.836	-0.325	.068	-0.943
CHIHUAHU	57.0	34.7		.616	100	44.2	8.5	6.680	-0.106	.103	-0.989
SAINT LO	15.6	18.4		.838	100	26.7	19.4	2.836	-0.297	.149	-0.943
STATE CO	9.9	19.7		.810	1	16.5	19.4	2.836	-0.318	.094	-0.943
PALISADE	8.0	20.0		.799	100	13.4	19.4	2.836	-0.323	.077	-0.943
MORGANTO	11.1	19.5		.817	1	18.6	19.4	2.836	-0.315	.106	-0.943
FAYETTEV	17.8	17.7		.845	100	30.9	19.4	2.836	-0.285	.170	-0.943
TACUBAYA	61.1	34.4		.608	100	46.5	8.3	6.877	-0.099	.104	-0.990
BERMUDA	4.3	20.4		.774	100	7.2	19.4	2.836	-0.330	.042	-0.943
BERMUDA	10.6	49.8		.584	100	7.2	8.2	6.919	-0.142	.018	-0.990
MERIDA	51.4	40.2	W	.610	-100	37.1	8.2	6.960	-0.113	.086	-0.990
SAN JUAN	18.3	51.6	W	.583	-100	11.8	7.8	7.271	-0.133	.028	-0.991
SAINT KI	11.6	52.7		.574	100	7.4	7.8	7.333	-0.134	.017	-0.991
BALBOA	52.6	44.2		.596	100	35.1	7.6	7.462	-0.109	.076	-0.991
SAINT VI	9.6	54.8		.566	100	5.9	7.5	7.593	-0.130	.013	-0.991
CARACAS	25.6	53.9		.578	100	15.7	7.4	7.727	-0.124	.035	-0.992
TRINIDAD	10.9	56.2		.563	100	6.6	7.3	7.803	-0.126	.015	-0.992
BOGOTA	50.4	50.0	W	.581	-1	30.8	7.1	8.032	-0.106	.063	-0.992
SANTIAGO	159.0	-75.6		.365	100	128.8	3.4	16.649	.037	.047	-0.998
LA PAZ	173.2	81.1		.468	100	51.6	3.2	18.029	-0.034	.043	-0.998
ABASHIRI	7.8	6.0		.940	100	37.7	43.6	1.048	-0.546	.422	-0.724
ADDIS AB	-28.5	1.6		.067	100	275.6	23.2	2.335	-0.038	-0.392	-0.919
ADELAIDE	5.5	-12.1	W	-0.359	100	165.0	29.9	1.735	.482	.129	-0.867
ALMERIA	-23.0	15.2		.462	100	318.2	19.6	2.813	-0.250	-0.223	-0.942
BANFF	17.2	16.1	W	.869	-100	32.3	20.8	2.626	-0.301	.190	-0.935
BERGEN	-12.9	15.2		.583	100	333.4	23.1	2.345	-0.351	-0.175	-0.920
BUCAREST	-19.8	10.9		.410	100	313.1	24.3	2.209	-0.282	-0.301	-0.911
CAGIGAL	24.5	54.1		.577	100	15.0	7.4	7.722	-0.124	.033	-0.992
CHATRA	-14.1	1.6		-0.027	-100	281.0	40.5	1.170	-0.124	-0.637	-0.760
CHINA LA	24.3	14.3		.855	100	45.2	19.7	2.791	-0.237	.239	-0.941
CHINCHIN	52.9	48.2	W	.584	-1	33.1	7.2	7.925	-0.105	.068	-0.992
CINE	-22.3	9.6		.348	100	306.1	23.9	2.254	-0.239	-0.328	-0.914
CLEVELAN	26.9	46.1	W	.608	-100	19.0	8.5	6.729	-0.139	.048	-0.989
COIMBRA	-20.3	16.5		.506	1	323.9	19.5	2.820	-0.270	-0.197	-0.943
COLOGNE	-17.7	15.0	W	.516	-100	325.0	21.6	2.519	-0.302	-0.211	-0.930
COLUMBIA	31.2	46.0		.608	100	21.9	8.3	6.832	-0.134	.054	-0.989
DURHAM	-15.2	16.4		.564	100	331.3	21.2	2.584	-0.316	-0.173	-0.933
ELIZABET	-34.1	-3.0	W	-0.000	100	261.5	19.6	2.811	.049	-0.331	-0.942
EREVAN	-18.6	7.6		.309	100	304.6	28.5	1.845	-0.270	-0.392	-0.879
HONGO	6.9	3.4		.856	100	50.3	53.7	.733	-0.515	.620	-0.592
HUANCAYO	114.1	45.8		.516	100	55.9	5.1	11.248	-0.050	.073	-0.996
HURBANOV	-19.0	12.7		.462	100	318.6	23.1	2.343	-0.295	-0.259	-0.920

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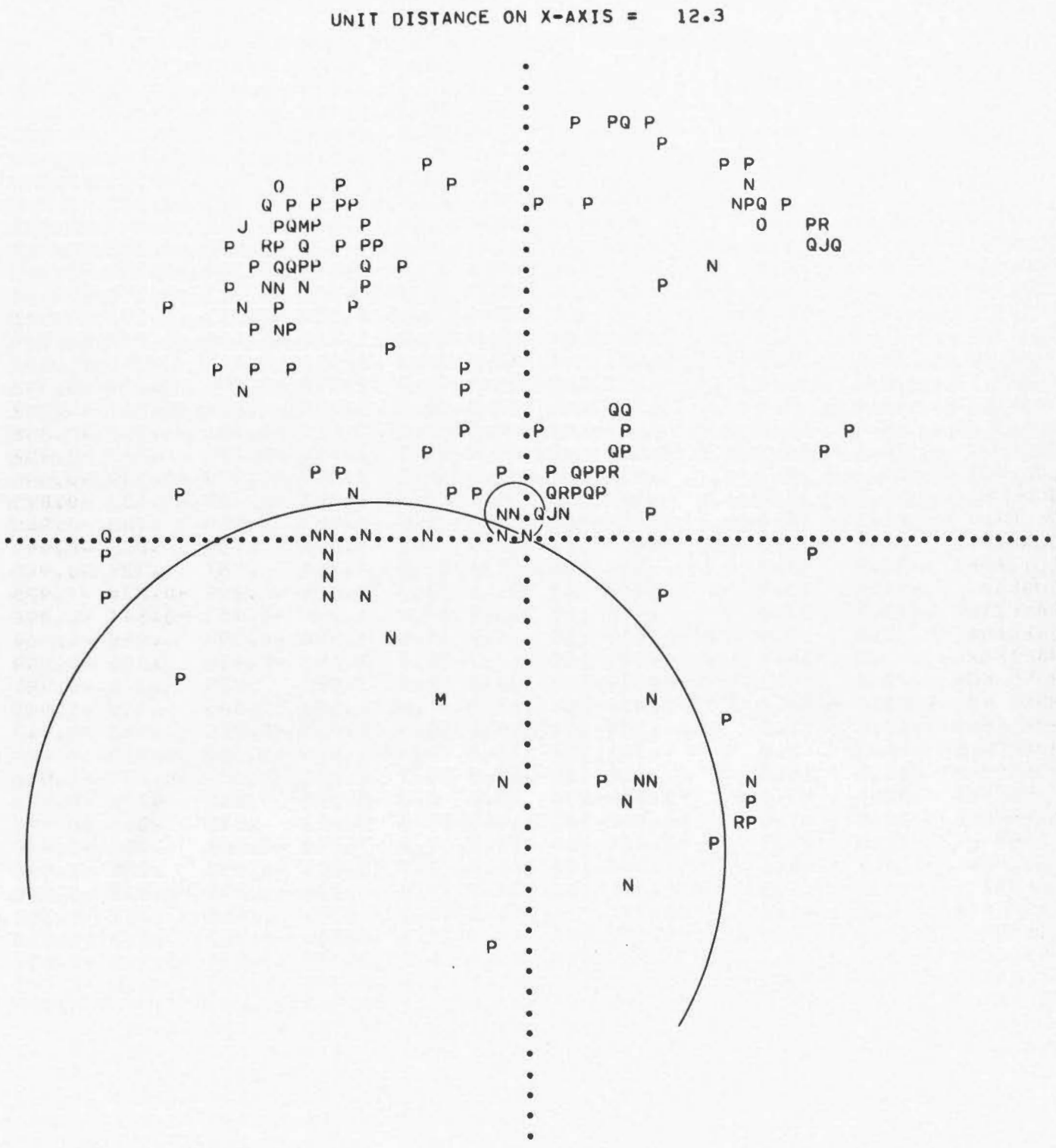
HWALIEN	8.1	6.1		.947	100	218.2	136.8	1.065	.538	-0.423	.729
JENA	-17.7	14.2		.503	100	323.5	22.4	2.431	-0.306	-0.226	-0.925
KEW	-17.0	16.2		.541	100	328.3	20.8	2.634	-0.302	-0.187	-0.935
KODAIKAN	-16.5	-1.8		-0.259	-100	259.2	36.2	1.368	.110	-0.580	-0.807
MACQUARI	8.3	-16.9		-0.160	-100	163.7	22.4	2.423	.366	.107	-0.924
MADRAS	-15.9	-1.4		-0.244	-100	261.3	37.3	1.313	.091	-0.599	-0.796
MALAGA	-22.6	15.5		.470	1	319.1	19.5	2.821	-0.253	-0.218	-0.943
MOSCOW	-14.1	10.8		.480	100	322.2	27.9	1.886	-0.370	-0.287	-0.884
PARC ST	-18.5	15.7		.516	100	325.1	20.7	2.643	-0.290	-0.203	-0.935
PENGHU	2.7	.8	W	.404	-100	242.1	103.8	.245	.454	-0.858	.239
POONA	-16.8	.3		-0.106	-100	271.9	36.1	1.373	-0.019	-0.588	-0.808
PORT BLA	-13.4	-2.8		-0.412	-100	250.2	40.8	1.159	.221	-0.614	-0.757
POULKOVO	-13.0	12.0		.529	100	327.4	26.9	1.968	-0.381	-0.244	-0.892
PRUHONIC	-18.1	13.6		.488	100	321.7	22.7	2.386	-0.303	-0.240	-0.922
RAPID CI	18.0	17.4	W	.849	-100	31.5	19.6	2.812	-0.286	.175	-0.942
REYKJAVI	-8.1	18.0		.664	100	345.2	21.2	2.572	-0.350	-0.093	-0.932
SEATTLE	19.4	14.8	W	.879	-100	37.8	21.2	2.583	-0.285	.221	-0.933
SERRA DO	-19.9	16.7	W	.512	-100	324.7	19.5	2.816	-0.273	-0.193	-0.942
SAGA	1.7	1.3		.153	100	37.9	77.1	.229	-0.769	.599	-0.224
SHIMONOS	1.9	1.5		.200	100	37.5	75.5	.258	-0.768	.590	-0.251
SIMFEROP	-18.6	9.7		.388	100	311.6	26.3	2.025	-0.294	-0.331	-0.897
SKALNATE	-18.2	12.5	W	.466	-100	319.2	23.7	2.274	-0.305	-0.263	-0.915
TAKAKA	16.9	-13.6		.035	100	143.7	23.2	2.329	.318	.233	-0.919
TANANARI	-28.1	-7.2	W	-0.155	100	246.6	21.8	2.504	.147	-0.340	-0.929
TOLEDO	-21.5	15.9		.487	100	321.3	19.6	2.804	-0.262	-0.210	-0.942
TSUKUBA	7.3	3.7		.883	100	49.4	51.9	.784	-0.512	.597	-0.617
VICTORIA	19.0	14.6		.883	100	37.5	21.4	2.545	-0.290	.222	-0.931
VIENNA	-18.9	13.1		.470	100	319.5	22.8	2.378	-0.295	-0.252	-0.922
WASHINGT	23.7	47.1	W	.603	-100	16.6	8.4	6.780	-0.140	.042	-0.989
WILKES	-2.8	-19.5	W	-0.237	100	184.8	20.3	2.701	.346	-0.029	-0.938
WOODY	24.5	14.0		.856	100	45.9	19.8	2.782	-0.235	.243	-0.941
ZAGREB	-20.1	13.0		.454	100	317.5	22.3	2.432	-0.280	-0.257	-0.925


UNIT DISTANCE ON X-AXIS = 12.3

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MAY 12, 1959 H = 09.46.51 23.5S 64.5W DEPTH 33 KM. M = 6.7

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ADDIS AB	37.2	1.2		.013	100	86.8	18.2	3.039	-0.017	.312	-0.950
ALICANTE	23.6	13.9		-0.019	-1	45.1	20.2	2.719	-0.243	.244	-0.939
ALMERIA	23.0	13.4		-0.021	-100	45.5	20.8	2.636	-0.249	.253	-0.935
ANTIGUA	1.5	10.2		-0.104	-100	5.0	35.2	1.419	-0.574	.050	-0.818
ASTRIDA	35.7	-1.5	W	.014	-100	94.1	18.9	2.924	.023	.323	-0.946
BARRETT	-19.2	11.8		.252	100	316.0	23.9	2.261	-0.291	-0.281	-0.915
BERKELEY	-21.1	13.6		.219	100	317.4	21.4	2.546	-0.269	-0.247	-0.931
BOGOTA	-5.1	8.4	W	.123	-1	340.3	38.9	1.237	-0.592	-0.212	-0.778
BOULDER	-18.2	12.8	W	.231	-100	319.9	23.4	2.313	-0.304	-0.255	-0.918
BOZEMAN	-15.9	15.6		.177	100	328.9	21.7	2.509	-0.317	-0.191	-0.929
BUTTE	-16.4	15.7		.177	100	328.4	21.4	2.550	-0.311	-0.191	-0.931
CAGIGAL	-1.0	9.6		-0.054	-100	356.4	37.0	1.329	-0.600	-0.037	-0.799
CARTUJA	22.5	13.5		-0.023	-1	44.6	20.9	2.613	-0.254	.251	-0.934
CHINA LA	-19.3	12.8		.232	100	318.2	22.9	2.372	-0.290	-0.259	-0.922
CHINCHIN	-5.9	8.4	W	.159	-1	337.6	38.5	1.255	-0.576	-0.237	-0.782
CLEVELAN	-5.9	14.2	W	.094	-100	346.1	26.4	2.017	-0.431	-0.107	-0.896
COIMBRA	20.1	14.3		-0.028	-1	39.9	21.3	2.564	-0.279	.233	-0.932
COLLEGE	-16.6	19.7		.136	100	333.5	18.2	3.041	-0.279	-0.139	-0.950
COLUMBIA	-6.1	12.6		.105	100	344.0	29.0	1.807	-0.465	-0.133	-0.875
DE BILT	21.3	17.6		-0.014	-100	35.6	18.5	2.987	-0.258	.185	-0.948
DJAKARTA	32.5	-62.5		-0.057	-100	162.9	6.3	9.018	.105	.032	-0.994
ELIZABET	33.2	-3.9		.014	100	101.4	19.9	2.766	.067	.333	-0.940
EUREKA	-18.4	13.9		.212	100	321.9	22.3	2.434	-0.299	-0.234	-0.925
FAYETTEV	-10.7	13.0		.178	100	333.9	26.6	1.993	-0.403	-0.197	-0.894
GRANADA	1.3	9.8	W	-0.118	100	4.7	36.5	1.350	-0.593	.048	-0.804
HALIFAX	.3	14.9	W	.009	-100	.7	26.0	2.053	-0.438	.005	-0.899
HONG KON	27.0	-15.3		-0.079	-100	133.8	18.1	3.050	.215	.224	-0.951
HONG KON	1273.0	-723.2		-0.005	-100	133.8	.4144	.050	.005	.005	-1.000
HORSESHO	-19.4	17.0	W	.170	-100	326.0	19.4	2.837	-0.275	-0.186	-0.943
HUANCAYO	-4.0	2.5		.601	100	316.0	64.6	.474	-0.650	-0.628	-0.429
HUNGRY H	-16.6	16.5		.168	100	329.3	20.7	2.651	-0.303	-0.180	-0.936
HYDERABA	102.4	-3.0		-0.018	-100	92.8	6.8	8.372	.006	.118	-0.993
KIMBERLE	26.5	-7.8		-0.002	-100	116.3	22.5	2.413	.170	.343	-0.924
KSARA	77.2	25.1	W	-0.000	100	61.2	7.9	7.189	-0.066	.121	-0.990
LANCHOW	112.3	90.6		.009	100	36.2	3.7	15.501	-0.052	.038	-0.998
LA PAZ	-1.3	1.5		.071	100	333.2	77.0	.230	-0.870	-0.439	-0.225
LA PLATA	2.0	-2.6		-0.238	-1	154.8	68.6	.391	.842	.397	-0.365
LISBON	20.0	13.8		-0.030	-100	40.7	21.8	2.506	-0.281	.242	-0.929
LUBBOCK	-13.7	12.3		.223	100	326.6	26.2	2.030	-0.369	-0.243	-0.897
MADRAS	100.8	-11.7		-0.023	-100	101.1	6.8	8.385	.023	.116	-0.993
MALAGA	22.2	13.3		-0.024	-1	44.6	21.2	2.579	-0.257	.254	-0.932
MONTREAL	-3.1	15.1		.052	100	353.1	25.5	2.094	-0.428	-0.051	-0.902
MORGANTO	-5.5	13.8		.088	1	346.8	27.1	1.954	-0.443	-0.104	-0.890
MOUNT HA	-20.9	13.4		.222	100	317.3	21.7	2.515	-0.271	-0.250	-0.929
OTTAWA	-3.8	15.0		.062	100	351.6	25.5	2.098	-0.425	-0.063	-0.903
PALISADE	-3.3	14.1		.053	100	352.1	27.0	1.964	-0.449	-0.062	-0.891
PARC ST	21.9	16.9		-0.015	-100	37.6	18.8	2.936	-0.255	.196	-0.947
PASADENA	-19.7	12.4		.241	100	316.6	23.1	2.344	-0.285	-0.269	-0.920
PERTH	-0.5	-53.8	W	-0.072	100	180.3	7.7	7.427	.133	-0.001	-0.991
PORT MOR	-69.0	-38.0		-0.026	-100	227.1	7.4	7.699	.088	-0.094	-0.992
PRUHONIC	23.9	16.8	W	-0.013	100	40.2	18.3	3.025	-0.240	.202	-0.950
RATHFARN	18.1	18.1	W	-0.015	100	30.7	19.1	2.895	-0.281	.166	-0.945
RESOLUTE	-5.0	21.7		.071	100	352.1	18.3	3.018	-0.312	-0.043	-0.949
RIVERSID	-19.4	12.3		.242	100	317.0	23.3	2.321	-0.289	-0.270	-0.918
RUMANGAB	35.8	-1.0		.015	100	92.7	18.9	2.927	.015	.323	-0.946
SAINT LO	-9.1	13.5		.148	100	338.2	26.4	2.012	-0.413	-0.165	-0.896
SAINT VI	1.5	9.9	W	-0.118	100	5.3	36.2	1.367	-0.588	.055	-0.807

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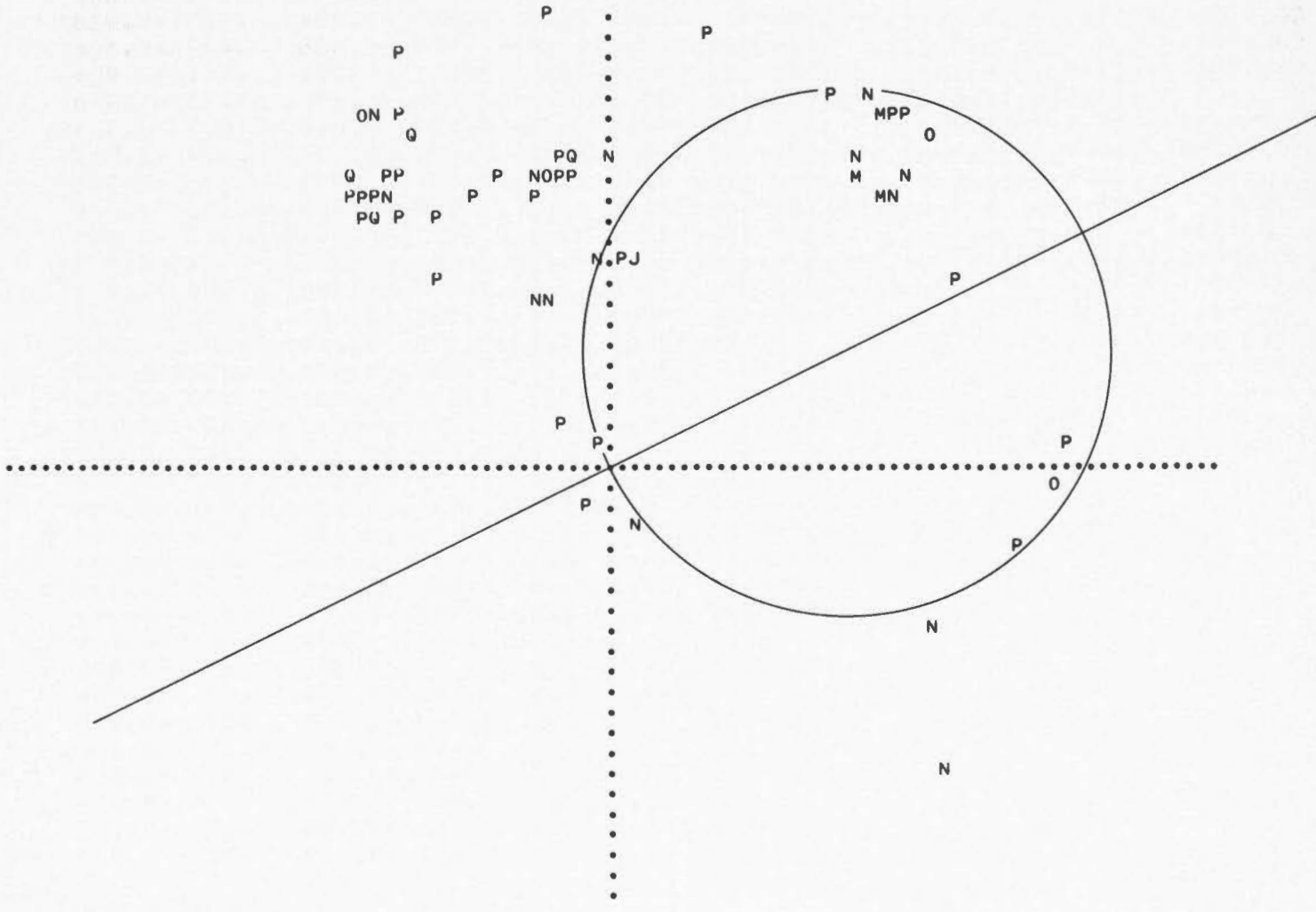
MAY 12, 1959 H = 09.46.51 23.5S 64.5W DEPTH 33 KM. M = 6.7

SALT LAK	-16.7	14.1		.203	100	325.1	22.8	2.378	-0.318	-0.222	-0.922
SANTA LU	-1.9	-2.2	W	-0.900	100	207.2	71.0	.344	.840	-0.433	-0.326
SCORESBY	8.5	21.2		.012	100	13.3	18.4	3.006	-0.307	.072	-0.949
SEATTLE	-19.5	16.6	W	.176	-100	325.1	19.7	2.786	-0.277	-0.193	-0.941
SERRA DO	20.0	14.5		-0.027	-100	39.1	21.1	2.586	-0.280	.227	-0.933
SHASTA	-20.8	14.5		.205	100	319.6	20.9	2.624	-0.271	-0.231	-0.935
SHAWINIG	-2.7	15.3		.049	100	353.9	25.2	2.122	-0.424	-0.045	-0.905
STUTTGAR	23.5	16.7	W	-0.014	100	39.8	18.5	2.994	-0.243	.203	-0.949
TACUBAYA	-13.6	9.1		.317	100	318.6	30.8	1.679	-0.384	-0.338	-0.859
TAMANRAS	27.5	9.0	W	-0.001	100	61.1	21.3	2.567	-0.175	.318	-0.932
TRIESTE	25.6	15.7		-0.012	-100	44.0	18.4	3.009	-0.227	.219	-0.949
TRINIDAD	1.5	9.6		-0.130	-100	5.4	37.0	1.328	-0.599	.057	-0.799
TSUKUBA	-103.5	45.2	W	.045	-100	306.4	5.4	10.500	-0.056	-0.076	-0.996
TUCSON	-17.1	11.8		.250	100	319.6	25.0	2.147	-0.321	-0.274	-0.907
UCCLE	21.6	17.3		-0.014	-100	36.5	18.6	2.972	-0.256	.190	-0.948
UNIVERSI	-4.7	14.0	W	.075	-100	348.8	26.8	1.975	-0.443	-0.087	-0.892
VICTORIA	-19.7	16.8		.173	100	325.3	19.5	2.824	-0.274	-0.190	-0.943
WASHINGT	-4.5	13.6		.071	100	349.0	27.6	1.916	-0.454	-0.088	-0.887
WOODY	-19.9	12.8		.232	100	317.5	22.6	2.400	-0.283	-0.260	-0.923
ZAGREB	25.9	15.6	W	-0.012	100	44.5	18.3	3.020	-0.224	.220	-0.949

UNIT DISTANCE ON X-AXIS = 12.3



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MAY 24, 1959 H = 19.17.40 17.5N 97W DEPTH 100 KM. M = 7

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ADDIS AB	78.7	24.4	W	-0.004	100	62.4	7.9	7.252	-0.063	.121	-0.991
ALBERNI	-7.9	8.4		-0.124	-100	330.8	36.9	1.330	-0.525	-0.293	-0.799
ALMERIA	24.7	10.8		-0.085	-100	53.6	21.7	2.509	-0.219	.298	-0.929
ANTIGUA	15.4	.8		-0.404	-100	85.3	38.4	1.262	-0.051	.619	-0.784
ASTRIDA	86.7	8.7		-0.003	-100	80.4	7.9	7.178	-0.023	.136	-0.990
BARRETT	-9.0	5.0		-0.328	-100	313.3	44.7	1.010	-0.482	-0.512	-0.711
BELGRADE	22.3	16.0	W	-0.039	100	39.4	19.3	2.861	-0.255	.209	-0.944
BERKELEY	-9.8	6.3		-0.243	-100	317.6	40.1	1.186	-0.476	-0.435	-0.765
BOGOTA	11.9	-3.6		-0.482	-1	117.0	42.5	1.091	.307	.602	-0.737
BOKARO	-6.3	55.0	W	.026	-100	356.1	7.5	7.605	-0.130	-0.009	-0.991
BOULDER	-7.8	6.1	W	-0.241	100	322.8	43.7	1.048	-0.550	-0.417	-0.724
BOZEMAN	-4.9	8.2		-0.055	-100	340.3	39.9	1.194	-0.605	-0.216	-0.767
BRATISLA	20.9	16.0	W	-0.035	1	37.7	19.7	2.794	-0.266	.206	-0.942
BUCAREST	21.6	16.7		-0.035	-100	37.5	19.0	2.899	-0.259	.198	-0.945
BUTTE	-5.3	8.2		-0.068	-100	338.9	39.6	1.210	-0.594	-0.230	-0.771
CAGIGAL	14.4	-1.3		-0.489	-100	98.6	40.0	1.190	.096	.636	-0.766
CARTUJA	24.3	10.6	W	-0.086	1	53.6	22.0	2.470	-0.223	.302	-0.927
CHIHUAHU	-2.6	2.2		-0.398	-100	324.7	69.6	.372	-0.764	-0.542	-0.349
CHINA LA	-8.8	6.0		-0.261	-100	319.0	42.5	1.090	-0.510	-0.444	-0.737
CHUR	21.7	14.7		-0.044	-100	41.2	20.4	2.689	-0.262	.229	-0.937
CLEVELAN	6.0	7.3		.161	100	25.9	41.6	1.126	-0.597	.290	-0.748
COIMBRA	22.1	10.4		-0.082	-1	51.5	23.5	2.299	-0.248	.312	-0.917
COLLEGE	-8.1	11.3		-0.058	-100	337.0	30.5	1.700	-0.467	-0.198	-0.862
COLOGNE	19.5	14.8		-0.036	-100	38.0	21.1	2.585	-0.284	.222	-0.933
COLUMBIA	7.3	5.5		.136	100	38.0	45.9	.969	-0.566	.442	-0.696
COPENHAG	17.2	16.1		-0.022	-100	32.4	20.9	2.621	-0.301	.191	-0.934
DE BILT	18.8	14.6		-0.034	-100	37.3	21.6	2.525	-0.293	.223	-0.930
DJAKARTA	-110.4	27.8		.079	100	293.0	5.8	9.795	-0.040	-0.093	-0.995
EDINBURG	16.2	13.6		-0.024	-100	35.1	23.5	2.297	-0.327	.229	-0.917
ELIZABET	88.0	-1.6		.002	100	91.8	7.9	7.184	.004	.138	-0.990
EUREKA	-7.6	6.9		-0.186	-100	326.9	41.5	1.129	-0.555	-0.362	-0.749
FLORISSA	2.9	6.9		.230	100	13.9	45.6	.977	-0.694	.172	-0.699
GOTEBORG	16.1	16.1		-0.018	-100	30.6	21.2	2.582	-0.311	.184	-0.933
GRAHAMST	77.4	-25.2		.032	100	118.8	7.9	7.209	.066	.120	-0.991
HALIFAX	10.2	7.5		.035	100	38.7	36.9	1.331	-0.468	.376	-0.800
HONG KON	-55.8	41.1		.047	100	321.2	7.8	7.275	-0.106	-0.085	-0.991
HORSESHO	-7.6	8.5		-0.116	-100	332.1	37.1	1.321	-0.533	-0.282	-0.798
HUANCAYO	9.7	-7.4		-0.086	-100	142.5	37.7	1.295	.484	.372	-0.792
HUNGRY H	-5.4	8.5		-0.062	-100	339.4	38.5	1.254	-0.583	-0.219	-0.782
HYDERABA	13.1	58.2	W	.023	-100	7.6	7.0	8.092	-0.121	.016	-0.992
ISABELLA	-9.1	5.9		-0.267	-100	317.7	42.2	1.102	-0.497	-0.452	-0.741
IVIGTUT	8.8	10.6		.048	100	26.2	31.5	1.634	-0.468	.231	-0.853
JENA	19.7	15.5		-0.033	-100	36.9	20.5	2.675	-0.280	.210	-0.937
KEW	18.5	13.5		-0.037	-100	39.0	22.6	2.402	-0.298	.242	-0.923
KIRUNA	10.5	17.2	W	.000	-100	19.8	21.6	2.528	-0.346	.125	-0.930
KSARA	55.9	37.9		.001	100	41.1	8.2	6.940	-0.107	.094	-0.990
LA PAZ	11.4	-7.6		-0.127	-100	138.3	35.5	1.401	.434	.386	-0.814
LA PLATA	13.1	-11.0	W	.015	-1	144.8	28.3	1.859	.387	.273	-0.881
LEMBANG	-111.1	24.9	W	.081	-100	290.7	5.9	9.695	-0.036	-0.096	-0.995
LISBON	22.5	10.0		-0.089	-100	53.2	23.6	2.291	-0.240	.320	-0.917
LUBBOCK	-1.5	3.4		.104	100	345.7	64.2	.483	-0.872	-0.222	-0.436
MALAGA	24.3	10.4		-0.089	-1	54.2	22.2	2.449	-0.221	.306	-0.926
M BOUR	27.0	3.1		-0.188	-100	79.0	24.0	2.248	-0.078	.399	-0.914
MERIDA	1.8	.6		-0.000	-100	62.7	80.4	.169	-0.453	.876	-0.167
MESZSTET	21.0	14.8		-0.041	-100	40.1	20.6	2.661	-0.269	.227	-0.936

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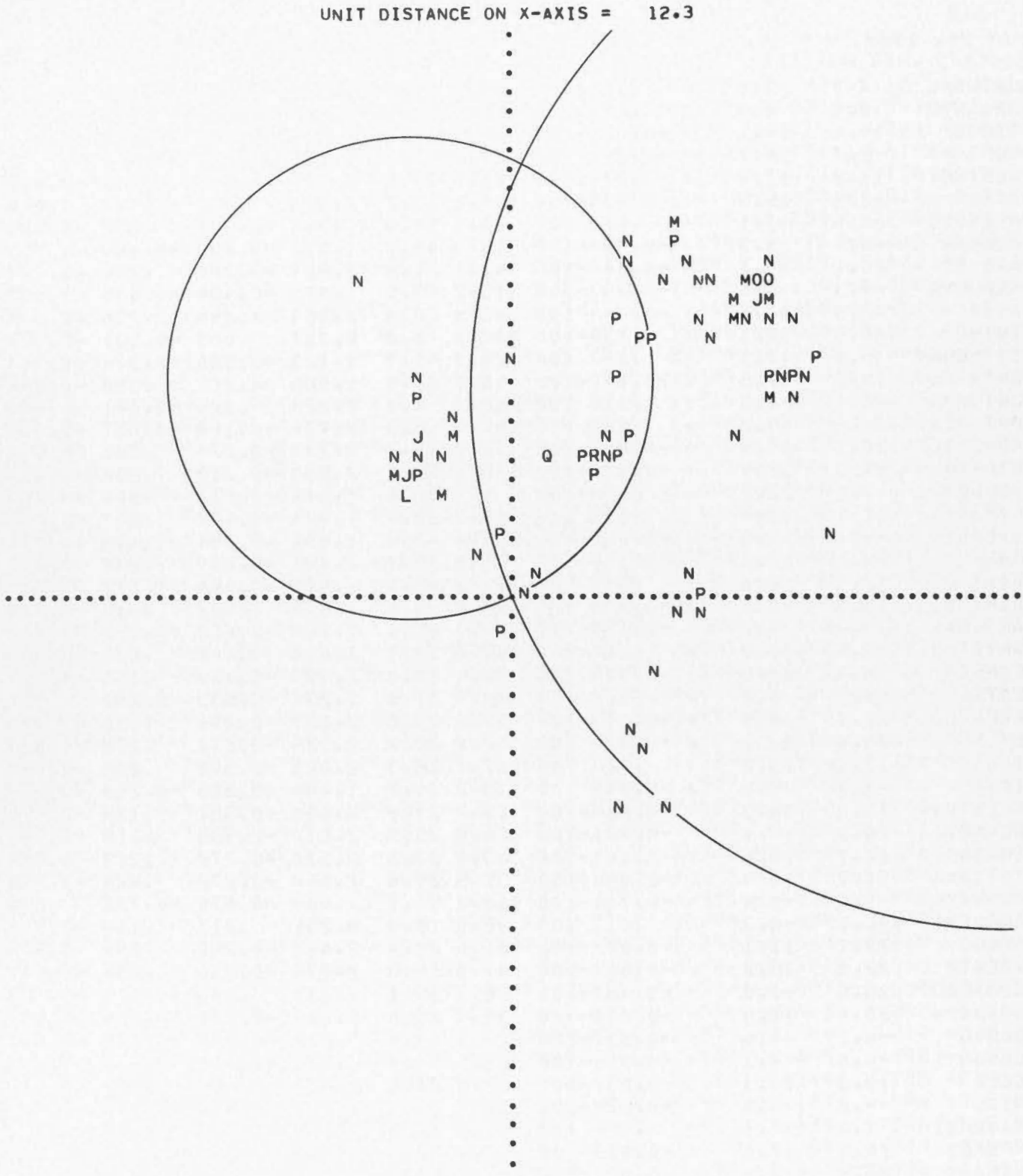
MAY 24, 1959 H = 19.17.40 17.5N 97W DEPTH 100 KM. M = 7

MONTREAL	7.7	7.9	W	.104	-100	29.9	38.4	1.259	-0.539	.310	-0.783
MORGANTO	6.9	6.9		.145	1	30.4	42.0	1.108	-0.577	.339	-0.743
MOSCOW	14.4	19.1		-0.011	-100	24.0	19.1	2.881	-0.299	.133	-0.945
MOUNT HA	-9.7	6.2		-0.248	-100	317.3	40.5	1.171	-0.477	-0.440	-0.761
HELSINKI	14.2	17.9	W	-0.011	100	25.1	20.1	2.731	-0.311	.146	-0.939
OAXACA	-12.5	15.5		-0.034	-100	154.5	157.2	2.373	.350	.167	.922
PALISADE	8.5	7.1		.086	100	35.5	39.8	1.200	-0.521	.372	-0.768
PALOMAR	-8.9	5.3		-0.305	-100	315.3	44.0	1.036	-0.493	-0.489	-0.720
PARC ST	20.1	13.7		-0.044	-100	41.1	21.8	2.503	-0.280	.244	-0.929
PASADENA	-9.3	5.5		-0.293	-100	315.2	43.0	1.073	-0.484	-0.480	-0.732
PAVIA	22.5	14.4		-0.048	-100	42.8	20.3	2.703	-0.255	.236	-0.938
PERTH	-86.5	-32.1	W	.139	-100	237.9	6.8	8.337	.063	-0.101	-0.993
PITTSBUR	6.7	7.1		.147	100	29.3	41.7	1.123	-0.580	.325	-0.747
PONTA DE	19.2	7.6		-0.114	-100	56.0	27.9	1.886	-0.262	.388	-0.884
PORT MOR	-86.1	-1.5		.112	100	268.3	8.1	7.029	.004	-0.141	-0.990
PORT BLA	-34.8	59.8		.039	100	341.0	6.5	8.726	-0.108	-0.037	-0.994
PRUHONIC	20.1	15.9		-0.033	-100	36.9	20.1	2.737	-0.274	.206	-0.939
RATHFARN	17.0	12.9		-0.032	-100	38.1	23.9	2.253	-0.319	.250	-0.914
RESOLUTE	.2	12.2	W	.038	-100	.7	30.8	1.676	-0.512	.006	-0.859
REYKJAVI	11.1	12.7		.012	100	27.2	26.9	1.973	-0.402	.207	-0.892
RIVERSID	-9.0	5.5		-0.294	-100	315.9	43.4	1.056	-0.494	-0.479	-0.726
ROME	24.1	14.4		-0.053	-100	44.8	19.7	2.794	-0.239	.237	-0.942
SAINT LO	2.9	6.8		.233	100	14.3	45.8	.972	-0.694	.177	-0.697
SAINT VI	15.5	-0.3	W	-0.438	100	92.0	38.2	1.270	.022	.618	-0.786
SALT LAK	-5.9	7.2		-0.120	-100	334.1	42.1	1.106	-0.603	-0.293	-0.742
SANTA LU	9.0	-10.8	W	.110	-100	153.6	31.1	1.659	.462	.230	-0.857
SCORESBY	8.5	13.6		.023	100	20.4	26.6	1.995	-0.420	.156	-0.894
SEATTLE	-7.7	8.2	W	-0.127	100	330.9	37.6	1.298	-0.533	-0.296	-0.792
SERRA DO	21.7	10.5	W	-0.079	100	50.6	23.6	2.287	-0.254	.310	-0.916
SETIF	26.4	12.1	W	-0.075	100	52.2	20.2	2.725	-0.211	.272	-0.939
SIDA	11.5	13.0		.008	100	27.7	26.3	2.023	-0.392	.206	-0.896
SITKA	-8.2	9.6	W	-0.093	1	333.2	34.0	1.480	-0.500	-0.252	-0.829
SKALSTUG	13.0	16.3		-0.006	-100	25.2	21.9	2.490	-0.337	.159	-0.928
SODANKYL	10.3	17.9		-0.001	-100	18.8	20.9	2.612	-0.338	.115	-0.934
STRASBOU	20.7	14.6		-0.041	-100	40.0	20.8	2.630	-0.272	.229	-0.935
STUTTGAR	20.7	14.9		-0.040	-100	39.5	20.6	2.658	-0.272	.224	-0.936
TACUBAYA	.8	-0.4		-0.741	-100	312.3	95.1	.088	-0.670	-0.737	.088
TANANARI	100.1	-8.3		.017	100	98.0	6.9	8.251	.017	.119	-0.993
TOLEDO	23.1	11.1		-0.078	-100	51.0	22.4	2.427	-0.240	.296	-0.925
TRIESTE	22.3	15.2		-0.043	-100	41.0	19.8	2.775	-0.256	.222	-0.941
TRINIDAD	15.5	-1.0		-0.450	-100	96.3	38.1	1.277	.068	.613	-0.787
TUBINGEN	20.8	14.8		-0.040	-100	39.7	20.6	2.659	-0.271	.225	-0.936
TUCSON	-6.1	4.6		-0.317	-100	322.1	50.9	.812	-0.613	-0.476	-0.631
TUCSON T	-6.0	4.7		-0.312	-100	322.5	50.9	.811	-0.616	-0.472	-0.630
UCCLE	19.3	14.3		-0.037	-100	38.8	21.6	2.523	-0.287	.231	-0.930
UKIAH	-9.8	6.6		-0.228	-100	318.7	39.5	1.212	-0.478	-0.420	-0.772
UNIVERSI	7.4	7.1		.126	100	31.5	40.9	1.153	-0.559	.342	-0.756
UPPSALA	14.9	17.0		-0.013	-100	27.4	20.7	2.641	-0.314	.163	-0.935
UVIRA	86.9	7.6		-0.003	-100	81.6	7.9	7.172	-0.020	.136	-0.990
VERACRUZ	-1.3	-1.6		.991	100	25.7	104.0	.249	-0.874	.420	.242
VICTORIA	-7.8	8.3		-0.124	-100	331.1	37.3	1.314	-0.530	-0.293	-0.796
VIENNA	20.9	15.9		-0.036	-100	37.9	19.8	2.784	-0.267	.207	-0.941
WASHINGT	8.0	6.7	W	.107	-100	35.2	41.5	1.131	-0.541	.382	-0.749
WOODY	-9.2	5.9		-0.267	-100	317.3	42.1	1.108	-0.492	-0.454	-0.742
ZAGREB	22.1	15.5		-0.041	-100	40.1	19.6	2.805	-0.257	.216	-0.942
POULKOVO	13.8	18.5		-0.010	-100	23.7	19.7	2.789	-0.309	.136	-0.941


UNIT DISTANCE ON X-AXIS = 12.3

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STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ABASHIRI	8.9	7.0		.277	100	36.8	39.5	1.213	-0.509	.381	-0.772
ABUYAMA	4.7	2.9	W	-0.031	100	43.9	60.9	.556	-0.630	.606	-0.486
ADDIS AB	-29.9	1.7		-0.081	-100	275.4	22.2	2.452	-0.035	-0.376	-0.926
ADELAIDE	6.4	-12.7		-0.569	-100	163.3	28.7	1.825	.460	.138	-0.877
AGRA	-16.5	2.6		.172	100	285.0	35.6	1.398	-0.150	-0.562	-0.814
AKITA	8.4	6.0		.229	100	39.8	43.1	1.068	-0.525	.437	-0.730
ALICANTE	-24.9	16.0	W	.249	-1	317.4	18.4	3.001	-0.233	-0.214	-0.949
ALISHAN	3.8	-6.3	W	-0.441	100	340.3	132.7	.923	-0.692	-0.247	.679
ASTRIDA	-35.6	-0.7		-0.168	-100	268.1	19.0	2.909	.011	-0.325	-0.946
ATHENS	-24.7	11.3	W	.250	-100	307.6	21.5	2.545	-0.223	-0.290	-0.931
BALBOA	56.7	48.6		.004	100	34.7	7.0	8.141	-0.100	.069	-0.993
BELGRADE	-21.9	12.9		.307	100	314.9	21.6	2.527	-0.260	-0.260	-0.930
BERKELEY	25.8	15.2		.139	100	45.2	18.6	2.967	-0.225	.227	-0.948
BOGOTA	54.7	56.0		-0.001	-1	30.1	6.4	8.922	-0.096	.056	-0.994
BOMBAY	-18.1	.8		-0.046	-100	274.2	34.0	1.485	-0.041	-0.557	-0.830
BOULDER	25.4	16.0		.146	100	43.2	18.3	3.026	-0.229	.215	-0.950
BOZEMAN	20.4	18.0		.194	100	33.9	18.5	2.990	-0.263	.177	-0.948
BUENOS A	-9.8	-156.8		-0.206	-100	182.1	2.6	21.636	.046	-0.002	-0.999
BUTTE	20.6	17.8		.193	100	34.3	18.6	2.977	-0.263	.179	-0.948
CALCUTTA	-15.2	.9		.006	100	275.6	38.7	1.250	-0.061	-0.622	-0.781
CANBERRA	10.2	-12.7	W	-0.495	100	154.7	27.3	1.939	.414	.196	-0.889
CANTON	-2.6	.1		.080	100	272.4	78.1	.209	-0.041	-0.978	-0.206
CARACAS	25.1	59.7		.024	100	14.0	6.7	8.487	-0.113	.028	-0.993
CARTUJA	-24.8	16.3		.249	1	318.0	18.3	3.023	-0.233	-0.210	-0.949
CHANGCHU	1.9	6.7		.587	100	9.4	47.0	.931	-0.722	.119	-0.682
CHATRA	-15.1	2.2	W	.182	-100	284.1	38.3	1.267	-0.151	-0.601	-0.785
CHENGTU	-5.7	2.0		.759	100	301.3	61.5	.542	-0.457	-0.751	-0.477
CHICHIBU	8.1	4.6		.130	100	46.4	47.6	.913	-0.509	.535	-0.675
CLERMONT	-21.9	16.5	W	.286	-100	321.7	19.1	2.891	-0.257	-0.202	-0.945
COLLEGE	11.8	13.7		.313	100	27.0	25.3	2.116	-0.380	.194	-0.904
COLOGNE	-19.4	16.1	W	.324	-100	324.6	20.1	2.732	-0.280	-0.199	-0.939
COLOMBO	-17.1	-2.8		-0.414	-100	254.5	34.6	1.449	.151	-0.547	-0.823
COLUMBIA	32.2	49.6		.041	100	21.0	7.8	7.331	-0.126	.048	-0.991
COPENHAG	-16.8	15.4		.372	100	327.1	21.6	2.524	-0.309	-0.200	-0.930
CORVALLI	22.7	16.0	W	.171	-100	40.1	19.2	2.877	-0.251	.211	-0.945
CHUR	-21.7	15.4	W	.298	-100	320.2	19.9	2.763	-0.261	-0.218	-0.940
DALLAS	49.9	43.3		.021	100	34.3	7.9	7.231	-0.113	.077	-0.991
DE GARCH	-21.1	16.6	W	.296	-100	323.0	19.2	2.866	-0.263	-0.198	-0.944
DJAKARTA	-7.2	-8.3	W	-0.902	100	207.3	37.8	1.290	.544	-0.281	-0.790
DURHAM	-16.8	17.7		.335	100	330.7	19.6	2.804	-0.293	-0.164	-0.942
EUREKA	24.1	16.4		.158	100	41.0	18.4	3.003	-0.238	.207	-0.949
FLORENCE	-23.2	14.7	W	.278	-100	316.9	19.8	2.776	-0.248	-0.231	-0.941
FRESNO	25.9	15.4		.138	100	45.0	18.5	2.996	-0.224	.224	-0.949
FUKUOKO	3.0	2.4	W	-0.077	100	36.0	67.6	.412	-0.748	.544	-0.381
FUNATSU	7.8	4.3		.107	100	47.2	49.2	.863	-0.514	.555	-0.654
GIFU	5.4	3.3		.017	100	44.5	57.7	.632	-0.603	.592	-0.535
GOTEBORG	-15.7	15.5		.385	100	329.0	21.9	2.493	-0.319	-0.192	-0.928
GUAM	12.8	-2.5		-0.057	-100	108.6	42.1	1.104	.213	.636	-0.742
HAKODATE	8.2	6.5		.269	100	36.7	41.7	1.123	-0.533	.397	-0.747
HALIFAX	5.5	52.2		.060	100	3.6	7.9	7.213	-0.137	.008	-0.991
HALLE	-19.1	15.3		.339	100	323.5	20.9	2.619	-0.287	-0.212	-0.934
HAMADA	3.5	2.7		-0.027	-100	36.7	64.7	.472	-0.724	.541	-0.428
HAMBURG	-18.0	15.7		.349	100	325.9	20.9	2.621	-0.295	-0.200	-0.934
HENGCHUN	.1	.3		-0.205	-100	195.6	92.1	.036	.962	-0.270	.037
HIKONA	5.1	3.1		-0.002	-100	44.0	59.1	.597	-0.618	.596	-0.513

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HONG KON	-2.3	-0.1		-0.119	-100	265.0	79.5	.185	.085	-0.980	-0.183
HONOLULU	26.4	4.7		.015	100	73.3	23.9	2.253	-0.117	.388	-0.914
HOWRAH	-15.3	.9		.007	100	275.6	38.6	1.251	-0.061	-0.621	-0.781
HSINGCHU	-0.0	.1		.152	100	358.8	89.1	.014	-1.000	-0.022	-0.015
HSINGKON	-8.2	-1.4	W	-0.496	100	73.6	125.0	.700	-0.231	.786	.574
HUANCAYO	136.9	51.1	W	-0.079	100	57.8	4.3	13.207	-0.040	.064	-0.997
HUNGRY H	19.7	17.8		.201	100	33.2	18.8	2.939	-0.269	.176	-0.947
HWALIEN	-0.2	-0.2	W	-0.546	100	30.4	91.7	.028	-0.862	.506	.029
HYDERABA	-17.3	.0		-0.121	-100	270.1	35.2	1.416	-0.001	-0.577	-0.817
IIDA	6.6	3.8	W	.074	-100	45.8	52.9	.756	-0.556	.572	-0.603
ILAN	.1	.2	W	-0.331	100	21.2	88.5	.025	-0.932	.362	-0.025
ISTANBUL	-22.3	10.7		.297	100	309.0	23.1	2.342	-0.247	-0.305	-0.920
JENA	-19.4	15.3		.333	100	323.1	20.7	2.639	-0.283	-0.213	-0.935
JERUSALE	-24.5	7.8	W	.206	-1	298.3	23.7	2.274	-0.191	-0.354	-0.916
KARACHI	-18.5	2.7		.118	100	283.6	32.7	1.557	-0.127	-0.525	-0.842
KARAPIRO	19.7	-13.4	W	-0.373	100	139.1	22.2	2.448	.285	.248	-0.926
KIPAPA T	26.3	4.7		.016	100	73.0	24.0	2.244	-0.119	.389	-0.913
KIRUNA	-10.6	14.7		.468	100	337.0	24.4	2.207	-0.380	-0.161	-0.911
KODAIKAN	-17.6	-1.8	W	-0.307	100	260.4	34.4	1.460	.094	-0.557	-0.825
KOFU	7.6	4.3		.111	100	46.5	49.4	.858	-0.523	.550	-0.651
KSARA	-23.7	8.2		.232	100	300.2	24.1	2.236	-0.205	-0.353	-0.913
KUNMING	-0.1	.2		.336	100	351.9	88.1	.033	-0.990	-0.140	-0.033
KYOTO	4.8	3.0		-0.022	-100	43.8	60.5	.566	-0.628	.602	-0.493
LAHORE	-16.4	3.9		.287	100	291.9	34.8	1.441	-0.213	-0.529	-0.822
LA PAZ	232.5	97.4		-0.102	-100	54.7	2.5	23.252	-0.025	.035	-0.999
LA PAZ	30.7	12.9	W	.084	-100	54.7	18.0	3.070	-0.179	.252	-0.951
LEMBANG	-6.8	-8.5	W	-0.899	100	205.4	37.6	1.297	.552	-0.262	-0.792
LEMBERG	-19.0	12.8		.364	1	318.7	23.0	2.353	-0.294	-0.258	-0.920
LHASA	-13.7	3.0		.326	100	290.4	40.0	1.192	-0.224	-0.602	-0.766
LYUBLJAN	-21.9	14.3		.302	100	317.9	20.6	2.663	-0.261	-0.236	-0.936
LUBBOCK	53.3	41.4		.016	100	37.3	7.9	7.182	-0.110	.084	-0.990
LWIRO	-35.8	-0.4	W	-0.161	100	268.8	18.9	2.925	.007	-0.323	-0.946
MADRAS	-17.2	-1.3		-0.264	-100	262.8	35.3	1.413	.072	-0.573	-0.816
MAEBASI	8.1	4.7		.144	100	45.4	47.0	.933	-0.513	.521	-0.682
MATSUMOT	7.3	4.4		.128	100	44.3	49.6	.851	-0.545	.531	-0.648
MATSUSHI	7.6	4.7		.145	100	44.0	48.2	.892	-0.537	.518	-0.666
M BOUR	-71.6	33.1		-0.016	-100	308.0	7.7	7.421	-0.082	-0.105	-0.991
MEDAN	-11.8	-5.5		-0.798	-1	231.4	39.2	1.227	.394	-0.494	-0.775
MINERAL	24.6	15.7		.152	100	42.9	18.7	2.950	-0.235	.218	-0.947
MISHIMA	7.8	4.1		.094	100	48.3	49.6	.851	-0.507	.569	-0.648
MIYAKO	9.1	5.9		.212	100	42.2	42.2	1.103	-0.498	.451	-0.741
MORIOKA	8.8	6.0		.220	100	41.1	42.5	1.089	-0.510	.444	-0.737
MOUNT HA	26.0	15.2		.137	100	45.4	18.6	2.977	-0.224	.227	-0.948
NAGANO	7.6	4.7		.150	100	43.6	48.1	.898	-0.538	.513	-0.668
NAGASAKI	2.8	2.2	W	-0.119	100	37.0	69.1	.382	-0.746	.562	-0.357
NAGOYA	5.5	3.2		.009	100	45.4	57.7	.631	-0.594	.602	-0.534
NANKING	-0.7	2.0		.693	100	348.2	74.5	.276	-0.943	-0.197	-0.267
NURMIIJA	-14.0	13.8	W	.444	-100	329.1	24.2	2.222	-0.352	-0.211	-0.912
OSAKA	4.7	2.8		-0.042	-100	44.3	61.4	.545	-0.629	.613	-0.479
OSHIMA	8.1	4.1		.088	100	49.8	49.0	.867	-0.488	.577	-0.656
PALO ALT	26.0	15.1		.137	100	45.5	18.6	2.971	-0.223	.228	-0.948
PARC ST	-20.3	16.8	W	.304	-100	324.5	19.3	2.853	-0.269	-0.192	-0.944
PASADENA	26.7	15.1		.130	100	46.3	18.3	3.019	-0.217	.227	-0.949
PAVIA	-22.5	15.3		.286	100	318.9	19.7	2.798	-0.254	-0.221	-0.942
PEKING	-1.5	4.0		.851	100	347.6	60.7	.561	-0.851	-0.188	-0.490
PENGHU	.0	-0.0		.416	100	286.7	90.2	.003	-0.287	-0.958	.003
PLAVEN	-19.6	15.2	W	.331	-100	322.5	20.8	2.635	-0.281	-0.216	-0.935

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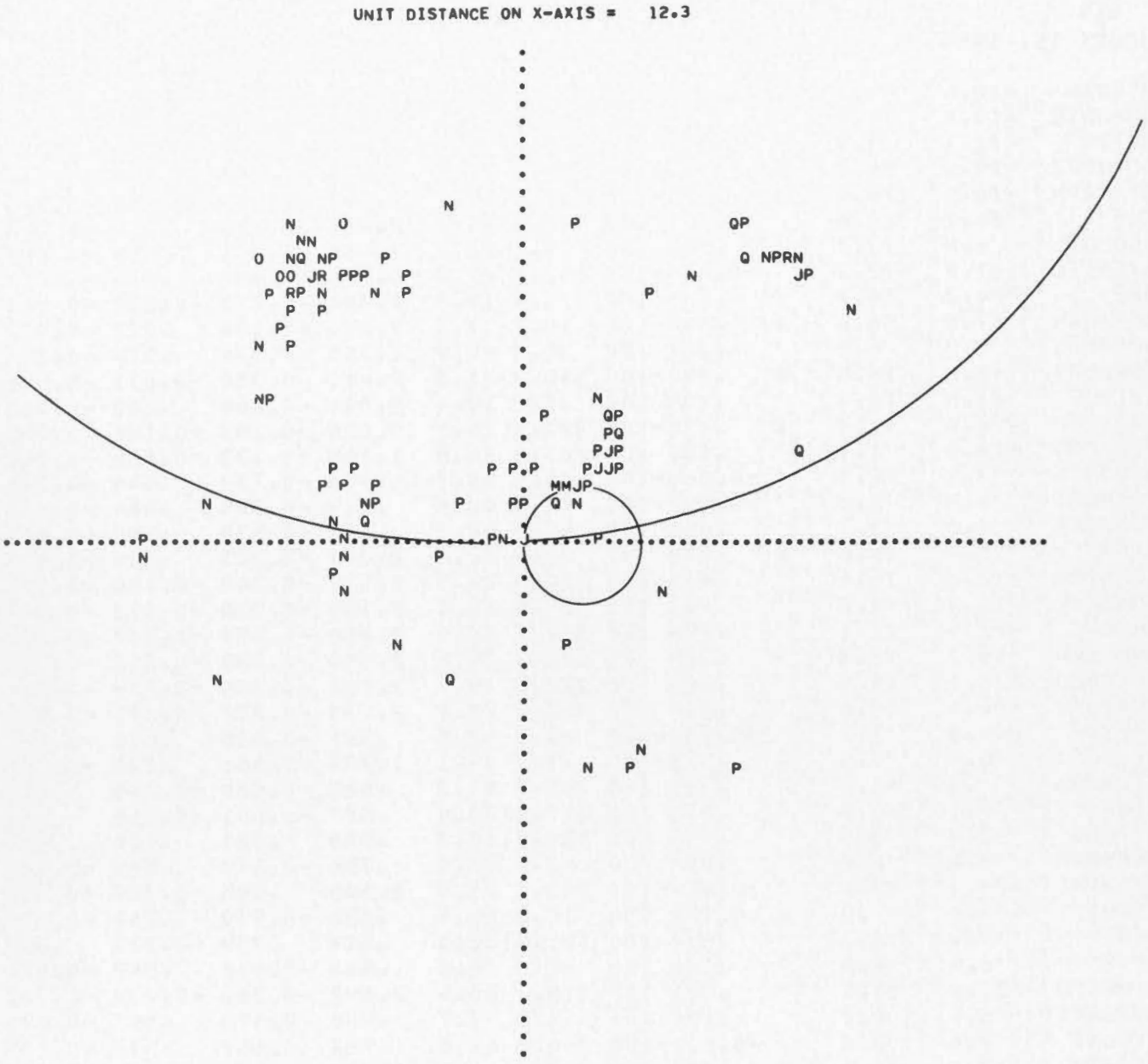
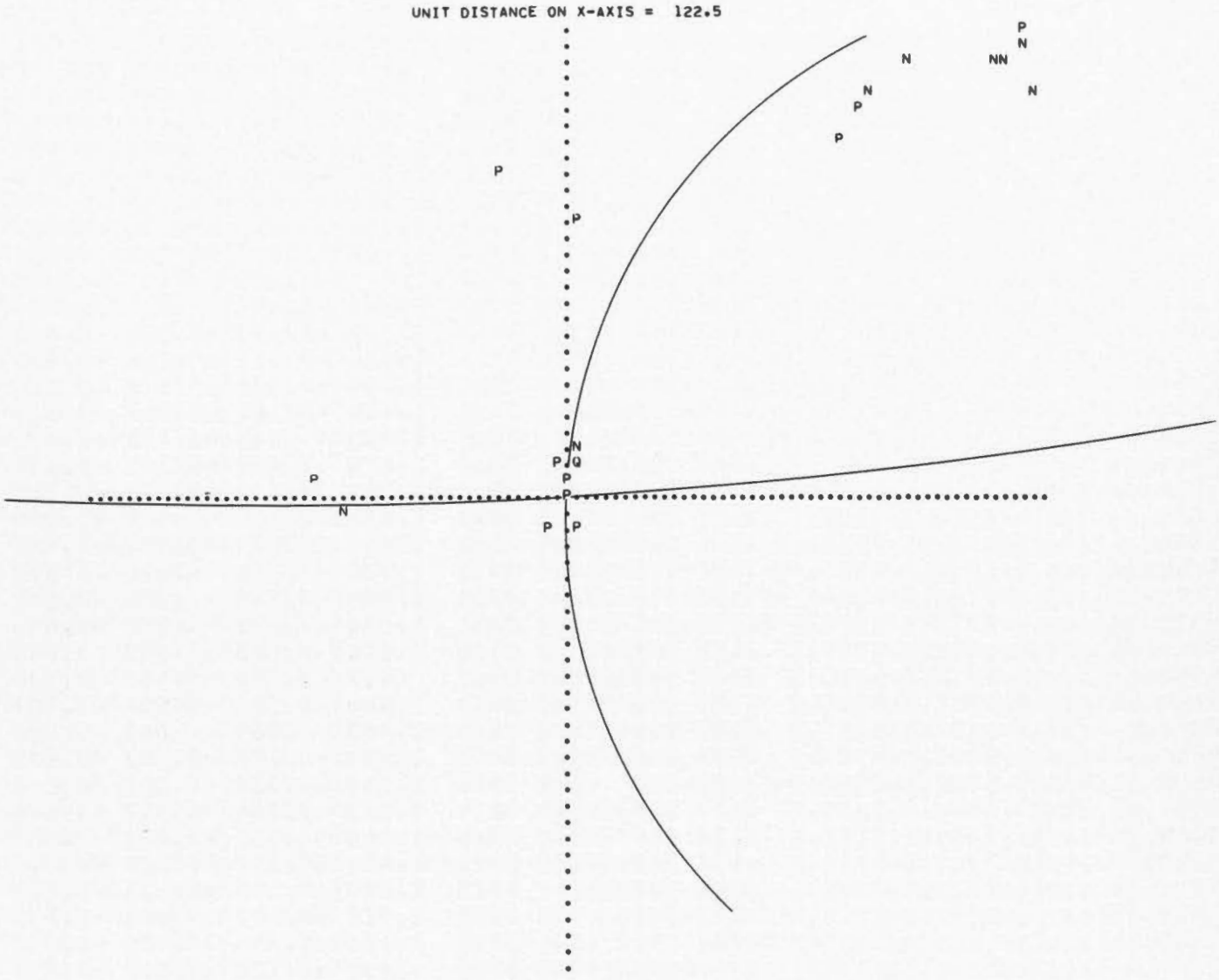
POTSDAM	-18.6	15.1		.349	100	323.9	21.2	2.576	-0.293	-0.213	-0.932
PRUHONIC	-19.8	14.7		.334	100	321.4	21.1	2.587	-0.282	-0.225	-0.933
QUETTA	-17.7	3.9		.240	100	290.6	32.9	1.547	-0.191	-0.508	-0.840
RACIBORZ	-19.5	14.0	W	.346	-100	320.4	21.8	2.496	-0.287	-0.237	-0.928
RATHFARN	-16.9	18.4	W	.323	-100	331.5	19.1	2.891	-0.287	-0.156	-0.945
RENO	24.7	15.8		.151	100	42.7	18.6	2.975	-0.234	.216	-0.948
RESOLUTE	4.8	17.7		.364	100	9.1	22.0	2.469	-0.371	.059	-0.927
RIVERVIE	11.0	-12.3		-0.475	-100	152.1	27.5	1.923	.408	.216	-0.887
ROME	-24.2	14.2		.265	100	314.9	19.8	2.784	-0.238	-0.239	-0.941
SAN JUAN	17.0	56.0	W	.040	-100	10.2	7.3	7.854	-0.124	.022	-0.992
SAPPORO	8.2	6.8		.287	100	35.3	40.9	1.156	-0.534	.378	-0.756
SCORESBY	-6.5	18.5	W	.390	-100	348.2	21.0	2.611	-0.350	-0.073	-0.934
SEATTLE	21.0	16.4		.188	100	37.2	19.4	2.844	-0.264	.200	-0.943
SERRA DO	-22.0	17.7	W	.276	-100	323.6	18.3	3.025	-0.253	-0.186	-0.949
SHILLONG	-14.0	1.7		.154	100	281.8	40.5	1.169	-0.133	-0.636	-0.760
SHIMONOS	3.1	2.5		-0.064	-100	36.5	66.7	.430	-0.739	.546	-0.396
SHIONOMI	4.8	2.5		-0.092	-100	48.4	62.6	.519	-0.589	.664	-0.461
SHIZUOKA	7.0	3.7		.064	100	48.0	52.3	.772	-0.530	.588	-0.611
SITKA	15.9	14.6	W	.249	-1	32.9	22.6	2.397	-0.323	.209	-0.923
SKALSTUG	-12.6	15.5		.425	100	334.3	22.8	2.377	-0.349	-0.168	-0.922
SODANKYL	-10.7	14.2		.483	100	335.9	25.1	2.139	-0.386	-0.173	-0.906
SOFIA	-22.5	12.1		.296	100	312.1	22.0	2.480	-0.251	-0.277	-0.928
SONNEBER	-19.7	15.3		.328	100	322.7	20.6	2.659	-0.280	-0.213	-0.936
STRASBOU	-20.7	15.9		.308	100	322.3	19.9	2.766	-0.269	-0.208	-0.940
STUTTGAR	-20.6	15.6		.312	100	322.0	20.1	2.733	-0.271	-0.211	-0.939
SUMOTO	4.4	2.7		-0.059	-100	44.0	62.5	.521	-0.638	.616	-0.462
SUTTSU	6.9	7.9	W	.378	-100	27.2	39.1	1.230	-0.561	.288	-0.776
TAICHUNG	.1	-0.2		.391	100	345.8	91.3	.022	-0.969	-0.246	.023
TAINAN	7.1	-0.0		.033	100	270.1	120.0	.577	-0.001	-0.866	.500
TAITUNG	-3.4	3.5		.991	100	150.7	119.3	.560	.761	.426	.489
TAKAYAMA	6.4	4.0		.096	100	43.4	52.9	.756	-0.579	.548	-0.603
TANANARI	-29.1	-7.6		-0.403	-100	246.1	21.0	2.600	.145	-0.328	-0.933
TAIPEI	.1	.2	W	-0.181	100	14.0	88.4	.028	-0.970	.241	-0.028
TAWU	.9	4.1		.532	100	187.5	120.0	.577	.859	-0.113	.500
TOKYO	8.5	4.5		.124	100	48.0	46.8	.938	-0.488	.542	-0.684
TOLMEZZO	-21.8	14.7		.301	100	318.7	20.4	2.692	-0.261	-0.230	-0.937
TOMIZAKI	8.5	4.2		.100	100	50.0	47.7	.908	-0.476	.567	-0.673
TOYOOKA	4.4	3.0		-0.004	-100	40.8	61.0	.554	-0.662	.572	-0.485
TRIESTE	-22.2	14.4		.297	100	317.7	20.4	2.689	-0.258	-0.234	-0.937
TUCSON T	25.8	15.9	W	.142	-100	43.8	18.2	3.040	-0.226	.216	-0.950
UPPSALA	-14.5	14.7		.418	100	329.7	23.1	2.348	-0.338	-0.198	-0.920
VICTORIA	20.7	16.3		.192	100	36.9	19.6	2.811	-0.268	.201	-0.942
VIENNA	-20.6	14.1		.326	100	319.2	21.3	2.570	-0.275	-0.237	-0.932
WAJIMA W	6.8	4.8		.171	100	40.1	49.4	.858	-0.581	.489	-0.651
WAKAYAMA	4.5	2.7		-0.062	-100	44.8	62.3	.525	-0.628	.624	-0.465
WASHINGT	24.0	50.7		.049	100	15.6	7.8	7.267	-0.131	.037	-0.991
ZAGREB	-21.9	14.0		.303	100	317.2	20.8	2.630	-0.261	-0.242	-0.935
ZOSE	.1	1.7		.392	100	1.1	76.5	.240	-0.972	.019	-0.234


UNIT DISTANCE ON X-AXIS = 12.3


UNIT DISTANCE ON X-AXIS = 122.5
P
N
NN
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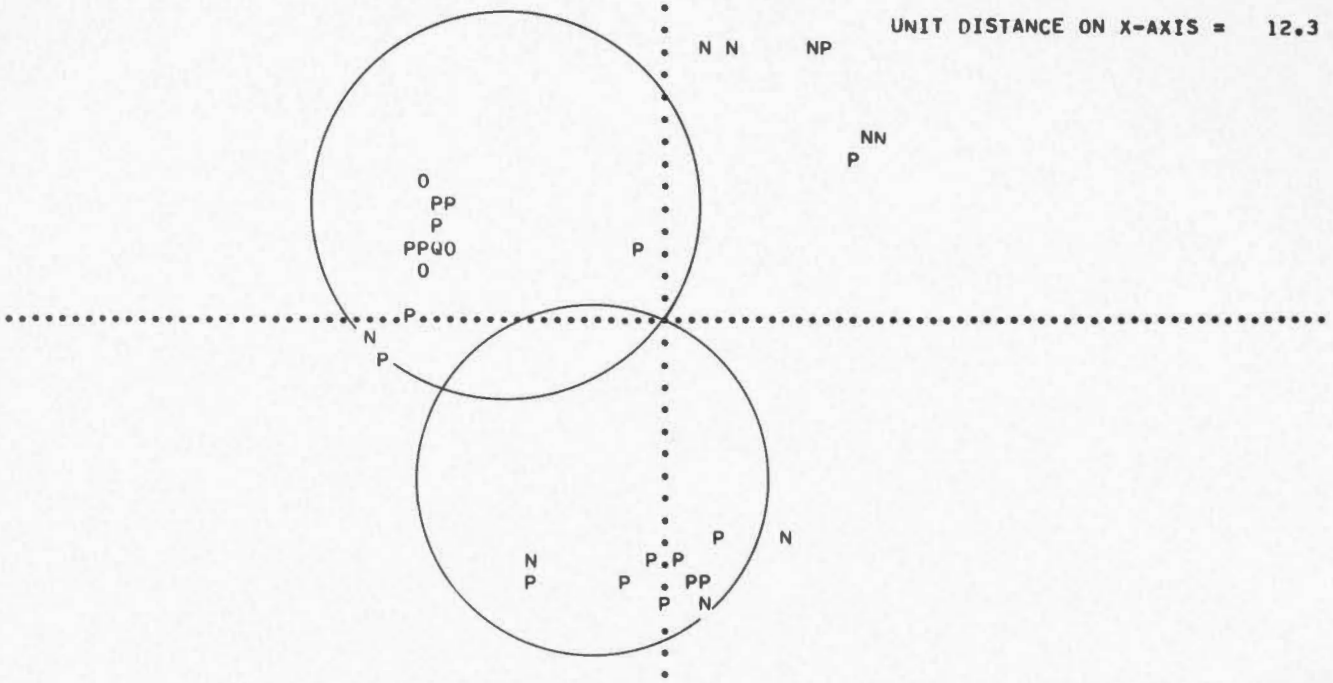
525

OCTOBER 5, 1959 H = 18.27.47 83.5N 112.5E DEPTH 33 KM. M = 6

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ALMERIA	-18.5	6.1		.102	100	299.1	30.1	1.726	-0.243	-0.438	-0.865
BELGRADE	-18.2	1.6		.057	100	278.4	33.7	1.500	-0.081	-0.549	-0.832
CANTON	.3	-13.3		.019	100	179.2	28.5	1.839	.477	.007	-0.879
CARTUJA	-18.2	6.3	W	.106	-1	300.2	30.2	1.721	-0.253	-0.434	-0.865
CHANGCHU	4.4	-10.0		.079	100	165.4	35.1	1.421	.557	.145	-0.818
CHATRA	-9.8	-11.3	W	.063	-100	207.0	29.7	1.756	.441	-0.224	-0.869
CHENGTU	-3.2	-11.7		.099	100	189.2	31.4	1.638	.514	-0.083	-0.854
CLERMONT	-16.8	4.7		.128	100	295.3	33.4	1.517	-0.235	-0.497	-0.835
CLEVELAN	4.6	12.0		-0.239	-100	12.8	30.5	1.696	-0.495	.113	-0.861
COPENHAG	-15.8	3.2		.123	100	289.0	36.3	1.362	-0.193	-0.559	-0.806
DALLAS	10.8	12.3		-0.441	-100	27.5	27.6	1.914	-0.411	.214	-0.886
FRESNO	16.2	8.4		-0.677	-100	48.8	29.6	1.759	-0.325	.372	-0.869
HALLE	-16.5	3.2	W	.111	-100	288.2	35.2	1.418	-0.180	-0.547	-0.817
HELWAN	-22.1	-1.2		-0.000	-100	264.9	28.9	1.813	.043	-0.481	-0.876
HOWRAH	-9.9	-12.3		.042	100	205.5	28.1	1.873	.425	-0.203	-0.882
ISTANBUL	-19.0	-0.2		.022	100	269.1	32.8	1.552	.008	-0.542	-0.841
JENA	-16.6	3.3		.111	100	288.4	35.0	1.425	-0.182	-0.545	-0.819
KSARA	-20.5	-1.9		.000	100	261.0	30.5	1.695	.079	-0.502	-0.861
KUNMING	3.3	-12.8		-0.004	-100	171.3	29.2	1.788	.482	.074	-0.873
LUBBOCK	12.3	11.6	W	-0.495	100	32.2	27.9	1.885	-0.396	.250	-0.884
MATSUSHI	8.9	-9.8		-0.091	-100	151.9	33.1	1.534	.481	.258	-0.838
NANKING	2.4	-11.6		.058	100	173.2	31.8	1.614	.523	.063	-0.850
NORD	-2.5	2.6		.821	100	330.9	67.3	.417	-0.806	-0.448	-0.386
PARC ST	-16.1	4.8		.143	100	296.5	34.3	1.468	-0.251	-0.504	-0.827
PEKING	1.3	-10.6		.125	100	175.9	34.4	1.463	.563	.040	-0.826
PRUHONIC	-16.9	2.8		.095	100	285.4	34.9	1.433	-0.152	-0.552	-0.820
RENO	15.5	8.1		-0.681	-100	48.5	30.6	1.689	-0.338	.381	-0.861
ROME	-18.6	3.1		.079	100	285.6	32.4	1.573	-0.144	-0.517	-0.844
SIAN CHA	-1.5	-11.3		.114	100	184.4	32.6	1.564	.537	-0.041	-0.843
STRASBOU	-16.7	3.9		.121	100	291.5	34.3	1.463	-0.207	-0.525	-0.826
TRIESTE	-17.7	2.8		.086	100	285.1	33.7	1.499	-0.145	-0.536	-0.832
UNIVERSI	3.5	12.3		-0.201	-100	9.5	30.2	1.715	-0.497	.083	-0.864
VICTORIA	14.1	6.9	W	-0.722	100	50.4	33.8	1.494	-0.354	.428	-0.831
ZAGREB	-17.8	2.4	W	.077	-100	283.0	33.8	1.492	-0.125	-0.542	-0.831
ZOSE	3.3	-11.7		.037	100	170.6	31.4	1.635	.514	.085	-0.853



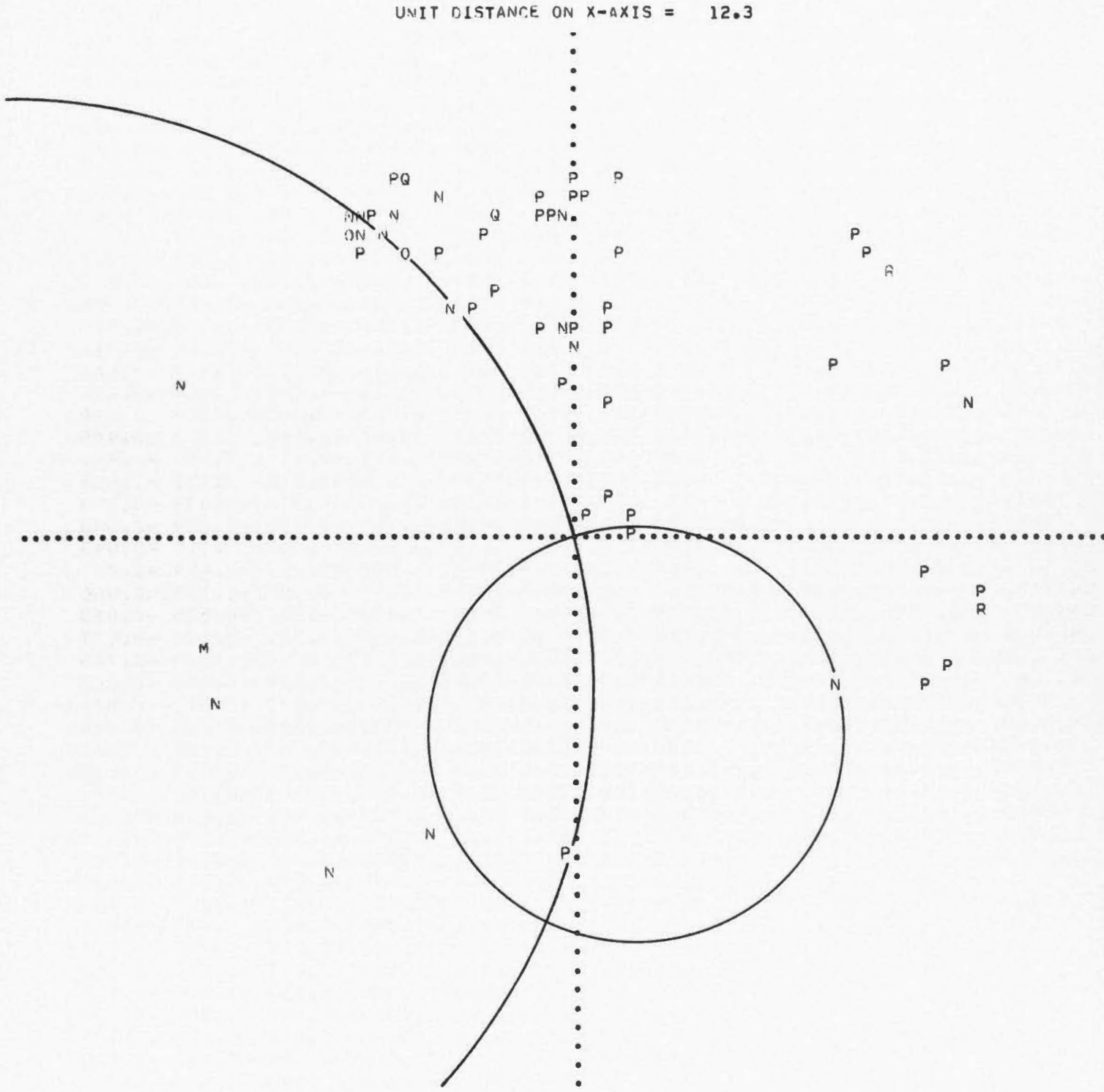
544

JUNE 20, 1960 H = 02.01.08 38S 73.5W DEPTH 33 KM. M = 6.7

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ABUYAMA	-133.9	1.8		.019	100	271.3	5.2	10.932	-0.002	-0.091	-0.996
ALICANTE	28.4	14.1		.324	1	50.1	18.3	3.028	-0.201	.240	-0.950
ALMERIA	28.4	14.0		.325	100	50.2	18.4	3.013	-0.201	.242	-0.949
APIA	-32.9	-5.5		-0.136	-100	254.1	19.7	2.793	.092	-0.324	-0.942
ASTRIDA	36.3	-3.9		.127	100	100.2	18.4	3.010	.056	.310	-0.949
ATHENS	78.5	25.1	W	.165	-100	61.6	7.8	7.280	-0.065	.120	-0.991
BALBOA	-2.7	10.9		.243	100	351.8	33.3	1.519	-0.544	-0.078	-0.835
BELGRADE	71.9	31.5	W	.169	-1	53.5	7.8	7.299	-0.081	.109	-0.991
BERKELEY	-20.4	16.2	W	-0.021	100	323.4	19.7	2.789	-0.271	-0.201	-0.941
BERMUDA	3.6	15.3		.344	100	7.9	25.1	2.134	-0.420	.058	-0.906
BOGOTA	-0.3	10.5	W	.355	-1	359.2	34.7	1.445	-0.569	-0.008	-0.822
BOULDER	-17.2	15.9		-0.005	-100	327.3	21.0	2.601	-0.302	-0.194	-0.933
BOZEMAN	-14.9	18.7		.057	100	334.7	19.3	2.851	-0.299	-0.141	-0.944
BUENOS A	4.6	.5		.052	100	78.9	68.9	.386	-0.180	.915	-0.361
BUTTE	-15.5	18.7		.052	100	333.9	19.2	2.874	-0.295	-0.144	-0.944
CANTON	-75.9	-104.4		.040	100	203.3	3.7	15.670	.058	-0.025	-0.998
CARACAS	2.8	11.1		.449	100	8.6	32.8	1.550	-0.536	.081	-0.840
CHANGCHU	-178.9	51.6	W	.048	-100	296.0	3.5	16.250	-0.027	-0.055	-0.998
CHENGTU	123.9	-237.9	W	.066	-100	162.9	1.7	34.336	.028	.009	-1.000
CHINCHIN	-1.0	10.5	W	.322	-1	356.9	34.6	1.451	-0.567	-0.031	-0.823
CLEVELAN	-3.2	17.7		.207	100	353.9	22.2	2.452	-0.375	-0.040	-0.926
EUREKA	-17.6	16.9		.010	100	328.4	20.1	2.738	-0.292	-0.180	-0.939
FAYETTEV	-8.4	16.1		.117	100	342.9	23.2	2.330	-0.377	-0.116	-0.919
FLORISSA	-6.8	16.9		.148	100	346.6	22.7	2.393	-0.375	-0.089	-0.923
FRESNO	-19.4	16.0		-0.019	-100	324.4	20.2	2.715	-0.281	-0.201	-0.938
FUKUENE	-0.1	10.6		.360	100	359.6	34.5	1.457	-0.566	-0.003	-0.825
HALIFAX	3.9	18.6		.239	100	7.1	21.1	2.592	-0.357	.044	-0.933
HALLE	61.7	37.9		.171	1	43.9	7.8	7.265	-0.098	.094	-0.991
HERMANUS	23.1	-7.8		-0.002	-100	119.6	24.7	2.171	.206	.364	-0.908
HONOLULU	-34.6	7.5		-0.142	-100	290.2	18.4	3.007	-0.109	-0.296	-0.949
HUANCAYO	-1.0	8.3		.345	100	355.9	41.0	1.148	-0.655	-0.047	-0.754
HUNGRY H	-15.6	19.1		.056	100	334.3	18.8	2.931	-0.291	-0.140	-0.946
KSARA	35.5	7.2	W	.258	-100	71.1	18.1	3.061	-0.101	.294	-0.951
KSARA	85.9	17.4	W	.155	-100	71.1	7.7	7.408	-0.043	.126	-0.991
KUNMING	-127.1	-69.9		.030	100	227.1	4.0	14.164	.048	-0.051	-0.998
LA PAZ	3.0	7.2		.658	100	13.9	44.5	1.017	-0.680	.168	-0.713
LA PLATA	4.8	.5	W	-0.003	100	80.9	68.4	.396	-0.147	.918	-0.369
LHASA	176.6	-56.7		.086	100	118.5	3.5	16.400	.029	.053	-0.998
LISBON	26.0	15.2		.335	100	45.2	18.5	2.986	-0.224	.225	-0.948
LUBBOCK	-11.6	15.3		.052	100	335.9	23.4	2.314	-0.362	-0.162	-0.918
LWIRO	36.3	-3.5		.131	100	99.4	18.4	3.004	.051	.311	-0.949
MACQUARI	-12.6	-16.4		-0.006	-100	204.5	21.9	2.487	.339	-0.155	-0.928
MADRAS	80.0	-39.3		.080	100	129.7	6.7	8.487	.075	.090	-0.993
M BOUR	23.2	8.9		.383	100	57.1	23.9	2.255	-0.220	.340	-0.914
MEDAN	24.3	-59.1		.045	100	166.3	6.8	8.386	.115	.028	-0.993
MERIDA	-6.7	12.7		.113	100	342.7	28.5	1.841	-0.455	-0.142	-0.879
MINERAL	-19.8	16.9		-0.006	-100	325.3	19.4	2.842	-0.273	-0.189	-0.943
MONTREAL	-0.1	18.9		.242	100	359.9	21.0	2.608	-0.358	-0.001	-0.934
MORGANTO	-2.6	17.1		.220	100	354.9	22.8	2.373	-0.387	-0.035	-0.922
MOUNT HA	-20.1	16.1		-0.022	-100	323.5	19.9	2.765	-0.273	-0.202	-0.940
NANKING	-233.2	-70.1		.042	100	243.1	2.7	21.351	.021	-0.042	-0.999
PALISADE	-0.2	17.5		.254	100	359.7	22.5	2.419	-0.382	-0.002	-0.924
PASADENA	-18.7	15.2	W	-0.029	100	324.0	21.0	2.599	-0.290	-0.211	-0.933
PEKING	-374.6	72.6		.059	100	288.1	1.8	32.180	-0.010	-0.029	-1.000
POONA	93.8	-26.0		.097	100	115.1	6.7	8.457	.050	.106	-0.993
POTSDAM	61.3	38.4		.171	100	43.4	7.8	7.281	-0.099	.093	-0.991
QUETTA	105.0	-1.6		.124	100	91.5	6.6	8.577	.003	.116	-0.993
RAPID CI	-11.9	18.4	W	.085	-100	339.0	20.2	2.723	-0.322	-0.123	-0.939
RENO	-19.2	16.8		-0.004	-100	326.0	19.7	2.796	-0.279	-0.188	-0.942

544

JUNE 20, 1960 H = 02.01.08 38S 73.5W DEPTH 33 KM. M = 6.7											
RIVERVIE	-21.6	-17.5		-0.031	-100	216.2	18.5	2.995	.256	-0.187	-0.949
ROME	70.6	31.3		.171	100	53.2	7.9	7.197	-0.082	.110	-0.991
RUMANGAB	36.5	-3.4		.133	100	99.0	18.4	3.013	.049	.311	-0.949
SAINT LO	-6.7	16.8		.149	100	346.7	22.7	2.386	-0.376	-0.089	-0.922
SALT LAK	-15.7	17.4	W	.033	-100	331.8	20.2	2.718	-0.304	-0.163	-0.939
SAN JUAN	3.1	12.4		.411	100	8.4	30.0	1.732	-0.495	.073	-0.866
SANTA LU	.8	.9		.971	100	27.9	81.7	.145	-0.875	.462	-0.144
SERRA DO	25.5	15.7		.334	100	43.8	18.4	3.007	-0.228	.218	-0.949
SIAN CHA	-314.8	-411.8		.063	100	204.3	.9	62.348	.014	-0.007	-1.000
SOFIA	75.0	29.1	W	.167	-100	56.7	7.8	7.318	-0.074	.113	-0.991
STRASBOU	62.6	36.8		.172	100	45.2	7.9	7.208	-0.097	.097	-0.991
STUTTGAR	63.1	36.7		.172	100	45.5	7.9	7.222	-0.096	.098	-0.991
SUVA	-32.3	-9.0		-0.105	-100	244.8	18.9	2.915	.138	-0.294	-0.946
TACUBAYA	-10.7	12.1		-0.006	-100	332.4	28.0	1.883	-0.415	-0.217	-0.883
TALA POZ	3.1	2.2		.952	100	40.1	68.6	.392	-0.712	.600	-0.366
TAMANRAS	33.1	8.9		.284	100	65.5	18.6	2.972	-0.132	.290	-0.948
TOLMEZZO	67.1	34.3	W	.171	-100	49.2	7.9	7.237	-0.089	.104	-0.991
TRIESTE	68.1	33.6	W	.171	-100	50.2	7.9	7.238	-0.088	.105	-0.991
TSUKUBA	-120.4	8.2	W	.015	-100	276.6	5.8	9.894	-0.012	-0.100	-0.995
TUCSON	-15.4	14.8	W	-0.009	100	328.3	22.7	2.396	-0.328	-0.202	-0.923
TUCSON T	-15.4	14.8		-0.008	-100	328.4	22.6	2.397	-0.328	-0.202	-0.923
UNIVERSI	-1.7	17.5		.231	100	356.6	22.5	2.414	-0.382	-0.023	-0.924
UVIRA	36.1	-4.0		.126	100	100.5	18.4	3.000	.058	.311	-0.949
VERACRUZ	-9.4	12.2		.026	100	335.3	28.4	1.847	-0.433	-0.198	-0.879
WASHINGT	-1.4	16.9	W	.240	-1	357.2	23.1	2.339	-0.392	-0.019	-0.920
WESTON	.9	17.9		.264	100	1.6	22.0	2.476	-0.374	.011	-0.927
WILKES	-0.8	-16.8		.001	100	181.7	23.3	2.318	.396	-0.012	-0.918
ZAGREB	69.0	33.2	W	.171	-100	50.9	7.8	7.259	-0.086	.106	-0.991
ZOSE	-198.4	-55.5		.037	100	244.7	3.2	17.912	.024	-0.050	-0.998
LUANDA	31.3	-1.6		.147	100	95.0	21.3	2.563	.031	.362	-0.932
BULAWAYO	31.1	-7.8		.065	100	113.1	19.9	2.756	.133	.314	-0.940
BROKEN H	33.3	-6.6		.089	100	108.6	19.2	2.865	.105	.312	-0.944
AFIAMALU	-32.9	-5.6		-0.136	-100	254.1	19.7	2.791	.093	-0.324	-0.941
CARTUJA	28.0	14.2		.327	1	49.4	18.4	3.009	-0.205	.239	-0.949
LEMBANG	-2.6	-55.9	W	.031	-100	181.6	7.4	7.714	.128	-0.004	-0.992


UNIT DISTANCE ON X-AXIS = 12.3

546 COMBINATION
JULY 25, 1960 H = 11.12.00 54N 159E DEPTH 100 KM. M = 6.7

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ABUYAMA	-10.1	-5.0		-0.162	-100	230.1	43.0	1.074	.437	-0.523	-0.732
ADDIS AB	-30.8	10.5		-0.517	-100	300.0	19.0	2.900	-0.163	-0.282	-0.945
ALGER UN	-10.6	18.2		-0.311	-100	340.9	20.7	2.652	-0.333	-0.116	-0.936
ALICANTE	-8.9	18.3		-0.289	-1	344.0	20.8	2.626	-0.342	-0.098	-0.935
ALMERIA	-8.4	18.8		-0.282	-100	345.2	20.4	2.685	-0.337	-0.089	-0.937
AIKAWA	-9.0	-4.4		-0.129	-100	230.1	46.3	.954	.464	-0.555	-0.691
AKITA	-7.4	-3.7	W	-0.063	100	229.5	51.5	.796	.508	-0.595	-0.623
BASEL	-9.1	15.2		-0.308	-100	340.5	24.2	2.224	-0.386	-0.137	-0.912
BALBOA	30.5	10.9		-0.034	-100	59.0	19.0	2.906	-0.168	.279	-0.946
BANFF	15.1	6.0	W	.111	-100	56.3	34.0	1.484	-0.310	.465	-0.829
BAGUIO	-14.4	-6.3		-0.279	-100	233.4	34.3	1.465	.336	-0.452	-0.826
BARRETT	21.0	3.6		.026	100	73.7	29.2	1.789	-0.137	.468	-0.873
BELGRADE	-13.2	14.0	W	-0.392	1	330.9	24.3	2.210	-0.360	-0.201	-0.911
BERKELEY	18.8	3.4		.037	100	73.1	32.0	1.601	-0.154	.507	-0.848
BERMUDA	18.8	15.4		-0.034	-100	35.9	20.9	2.616	-0.289	.209	-0.934
BESCANCO	-8.8	15.5		-0.300	-100	341.5	23.9	2.252	-0.385	-0.129	-0.914
BOMBAY	-25.7	2.2	W	-0.634	100	278.4	25.2	2.120	-0.062	-0.422	-0.905
BOULDER	20.0	4.4		.039	100	69.6	29.9	1.742	-0.174	.466	-0.867
BOZEMAN	17.0	6.0		.083	100	59.1	31.7	1.616	-0.270	.451	-0.851
BRISBANE	-2.8	-17.6		.041	100	185.3	22.3	2.438	.378	-0.035	-0.925
BUCAREST	-14.5	13.1		-0.427	-100	326.9	24.8	2.165	-0.351	-0.229	-0.908
BUENOS A	95.8	22.0		-0.146	-100	68.8	6.8	8.391	-0.043	.110	-0.993
BUTTE	16.8	5.8		.084	100	59.6	32.1	1.592	-0.269	.459	-0.847
BRATISLA	-11.3	14.0	W	-0.360	1	334.4	25.1	2.137	-0.382	-0.183	-0.906
CANTON	-16.0	-4.2		-0.478	-100	246.4	35.0	1.430	.230	-0.525	-0.820
CARTUJA	-7.8	18.9	W	-0.275	1	346.2	20.5	2.680	-0.339	-0.084	-0.937
CHANGCHU	-12.6	-1.6		-0.685	-100	257.6	43.6	1.051	.148	-0.673	-0.725
CHATRA	-20.8	.6		-0.696	-1	272.7	30.4	1.702	-0.024	-0.506	-0.862
CHENGTU	-17.2	-1.4		-0.680	-100	262.3	35.2	1.417	.077	-0.571	-0.817
CHIAVARI	-10.5	15.7	W	-0.328	100	338.3	23.2	2.330	-0.366	-0.146	-0.919
CHINA LA	19.8	3.9		.036	100	71.6	30.4	1.704	-0.160	.480	-0.863
CLERMONT	-8.3	16.1		-0.289	-100	343.0	23.3	2.323	-0.378	-0.115	-0.919
COLLMBER	-9.4	14.0		-0.324	-100	338.2	25.7	2.073	-0.403	-0.161	-0.901
COLOGNE	-8.1	14.6		-0.292	-100	341.8	25.2	2.122	-0.405	-0.133	-0.905
COLOMBO	-28.2	-1.4	W	-0.557	1	265.3	23.4	2.306	.033	-0.396	-0.918
COPENHAG	-8.1	13.3		-0.300	-100	340.2	27.1	1.955	-0.428	-0.154	-0.890
CORVALLI	16.8	4.1		.064	100	67.4	33.9	1.488	-0.214	.515	-0.830
CLEVELAN	17.6	10.9		.039	100	43.6	25.6	2.083	-0.313	.298	-0.902
COLLEGE	10.2	5.7		.234	100	46.5	41.1	1.145	-0.453	.477	-0.753
COLUMBIA	20.8	11.3		.011	100	47.4	23.4	2.308	-0.269	.292	-0.918
CHARTERS	-5.8	-15.5		.049	100	192.4	24.6	2.183	.407	-0.090	-0.909
CHORZOW	-11.0	13.4		-0.363	-100	334.1	25.9	2.059	-0.393	-0.191	-0.900
CHICHIBU	-8.8	-5.1		-0.048	-100	225.6	44.9	1.002	.494	-0.505	-0.708
DE BILT	-7.4	14.6		-0.276	-100	343.4	25.5	2.098	-0.412	-0.123	-0.903
DURHAM	-5.1	14.5		-0.228	-100	348.2	26.0	2.048	-0.429	-0.090	-0.899
EUREKA	18.8	4.6		.051	100	67.5	31.1	1.660	-0.198	.477	-0.857
FAYETTEV	20.6	8.4		.038	100	55.3	26.1	2.043	-0.250	.361	-0.898
FLORISSA	19.4	9.3		.043	100	51.1	26.1	2.037	-0.277	.343	-0.898
FRESNO	19.3	3.6		.037	100	72.3	31.1	1.655	-0.157	.493	-0.856
FLAMING	18.6	5.9		.061	100	62.0	30.1	1.723	-0.236	.443	-0.865
FLORENCE	-11.3	15.5	W	-0.341	100	336.8	23.2	2.333	-0.362	-0.155	-0.919
FUNATSU	-8.9	-5.2		-0.052	-100	225.6	44.4	1.019	.490	-0.500	-0.714
FOCSANI	-14.2	12.8		-0.430	-100	326.8	25.3	2.115	-0.357	-0.234	-0.904
FUKUOKO	-11.8	-4.7		-0.300	-100	236.3	40.8	1.158	.362	-0.544	-0.757
GLEN CAN	19.9	5.1		.045	100	66.6	29.5	1.769	-0.195	.451	-0.871
GOTEBORG	-7.5	13.1	W	-0.286	100	341.2	27.7	1.903	-0.440	-0.149	-0.885
HALLE	-9.1	14.0		-0.317	-1	339.0	25.7	2.075	-0.405	-0.156	-0.901

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HAMBURG	-8.1	13.9		-0.296	-100	340.9	26.2	2.029	-0.418	-0.145	-0.897
HELWAN	-21.8	13.5		-0.478	-100	316.3	21.2	2.580	-0.261	-0.249	-0.933
HERMANUS	-95.2	18.7	W	-0.327	100	288.3	7.0	8.185	-0.038	-0.115	-0.993
HONG KON	-15.9	-4.4		-0.454	-100	244.8	34.9	1.433	.244	-0.518	-0.820
HONOLULU	15.5	-4.8		.037	100	117.7	34.9	1.432	.266	.507	-0.820
HUNGRY H	16.0	5.9		.096	100	58.3	33.0	1.538	-0.286	.464	-0.839
HYDERABA	-25.1	.8		-0.630	-100	273.0	26.0	2.052	-0.023	-0.437	-0.899
HAMADA	-11.3	-4.6		-0.279	-1	235.6	41.9	1.115	.378	-0.551	-0.745
ISTANBUL	-16.3	13.0		-0.454	-100	323.3	24.1	2.232	-0.328	-0.244	-0.913
JENA	-9.2	14.2		-0.317	-100	339.0	25.5	2.095	-0.402	-0.154	-0.903
KARLSRUH	-9.0	14.9	W	-0.307	100	340.4	24.7	2.177	-0.393	-0.140	-0.909
KEW	-6.1	15.1		-0.249	-100	346.7	25.0	2.146	-0.411	-0.097	-0.906
KIPAPA T	15.5	-4.8		.036	100	117.7	35.0	1.427	.267	.508	-0.819
KIRUNA	-6.1	11.1		-0.250	-100	342.1	31.8	1.611	-0.502	-0.162	-0.850
KODAIKAN	-27.7	-0.2	W	-0.582	100	269.2	23.9	2.261	.005	-0.404	-0.915
KSARA	-20.6	12.1		-0.504	-100	314.9	22.9	2.368	-0.274	-0.276	-0.921
KUNMING	-14.3	-4.9		-0.378	-100	239.9	36.5	1.352	.298	-0.514	-0.804
KAKIOKA	-8.3	-5.1		-0.004	-100	223.9	45.6	.979	.514	-0.496	-0.700
LAHORE	-21.3	3.6		-0.702	-100	285.9	28.9	1.809	-0.132	-0.465	-0.875
LA PAZ	78.7	23.9		-0.140	-100	62.9	7.9	7.220	-0.062	.122	-0.991
LEMBANG	-21.5	-9.3	W	-0.308	100	233.7	24.7	2.174	.247	-0.337	-0.909
LHASA	-19.5	.4		-0.717	-100	271.9	32.2	1.589	-0.017	-0.532	-0.846
LISBON	-5.2	19.0		-0.243	-100	350.7	20.6	2.653	-0.348	-0.057	-0.936
LYUBLJAN	-11.4	14.7		-0.352	-100	335.3	24.2	2.226	-0.372	-0.171	-0.912
LUBBOCK	21.6	6.7		.034	100	62.3	26.7	1.992	-0.208	.397	-0.894
LEMBERG	-12.1	12.8		-0.395	-100	330.8	26.2	2.030	-0.385	-0.216	-0.897
LUANDA	-61.7	37.4		-0.323	-100	315.7	7.9	7.209	-0.098	-0.096	-0.991
MAEBASI	-8.8	-5.0		-0.057	-100	226.2	45.3	.990	.491	-0.513	-0.704
MADRAS	-26.1	-0.3		-0.599	-100	268.8	25.1	2.130	.009	-0.425	-0.905
MALAGA	-7.6	19.0	W	-0.271	1	346.7	20.3	2.698	-0.338	-0.080	-0.938
MATSUSHI	-9.1	-4.9		-0.096	-100	227.9	45.0	.999	.474	-0.525	-0.707
MINERAL	18.1	3.8		.048	100	70.4	32.5	1.569	-0.180	.506	-0.843
MONTREAL	15.0	12.1		.035	100	36.2	25.7	2.073	-0.351	.256	-0.901
MORGANTO	18.2	11.4		.028	100	43.5	24.8	2.159	-0.305	.289	-0.907
MOUNT HA	19.0	3.4		.036	100	73.1	31.7	1.618	-0.153	.503	-0.851
MOUNT WI	20.3	3.6		.031	100	73.2	30.1	1.727	-0.145	.479	-0.866
MOSCOW	-12.0	10.6		-0.446	-100	326.3	29.6	1.760	-0.411	-0.274	-0.870
MESSINA	-14.5	15.9		-0.379	-100	331.8	21.8	2.496	-0.327	-0.176	-0.928
MISHIMA	-8.9	-5.3		-0.039	-100	224.8	44.2	1.027	.495	-0.492	-0.717
MORI	-5.0	-2.2		-0.040	-100	233.3	62.8	.513	.532	-0.713	-0.457
OMAEZAKI	-9.1	-5.3	W	-0.058	100	225.4	43.6	1.049	.485	-0.491	-0.724
NANKING	-14.7	-3.4		-0.523	-100	248.9	37.8	1.290	.221	-0.571	-0.791
NAGASAKI	-12.0	-4.8		-0.296	-100	236.0	40.3	1.178	.362	-0.536	-0.763
NAGANO	-9.1	-4.8	W	-0.099	100	228.2	45.1	.995	.473	-0.528	-0.706
NORD	-0.3	10.2	W	.000	-100	359.1	35.4	1.408	-0.579	-0.009	-0.815
OTTAWA	15.3	11.8		.039	100	37.6	26.0	2.053	-0.347	.267	-0.899
ONAHOMA	-8.0	-5.0	W	.016	-100	223.6	46.6	.944	.526	-0.501	-0.687
OITA	-11.4	-4.9	W	-0.257	100	234.1	41.0	1.151	.384	-0.531	-0.755
OSAKA	-10.1	-5.0		-0.161	-100	230.0	42.8	1.080	.436	-0.520	-0.734
PALO ALT	18.9	3.3		.036	100	73.4	31.8	1.610	-0.151	.506	-0.850
PALOMAR	20.6	3.7		.029	100	73.0	29.6	1.762	-0.144	.472	-0.870
PASADENA	20.3	3.6		.030	100	73.3	30.1	1.727	-0.144	.480	-0.866
PEKING	-14.8	-1.3		-0.712	-100	261.7	39.3	1.221	.091	-0.627	-0.774
POONA	-25.6	2.0		-0.634	-100	277.3	25.3	2.110	-0.055	-0.424	-0.904
POTSDAM	-9.1	13.8		-0.319	-100	338.6	26.1	2.043	-0.409	-0.160	-0.898
PALISADE	16.8	12.4		.020	100	38.7	24.5	2.194	-0.324	.259	-0.910
PARC ST	-7.4	15.4		-0.275	-100	344.2	24.3	2.214	-0.396	-0.112	-0.911
PAVIA	-10.2	15.5		-0.324	-100	338.7	23.6	2.294	-0.372	-0.145	-0.917
PENTICTO	15.6	5.2	W	.096	-100	60.6	34.3	1.465	-0.277	.491	-0.826

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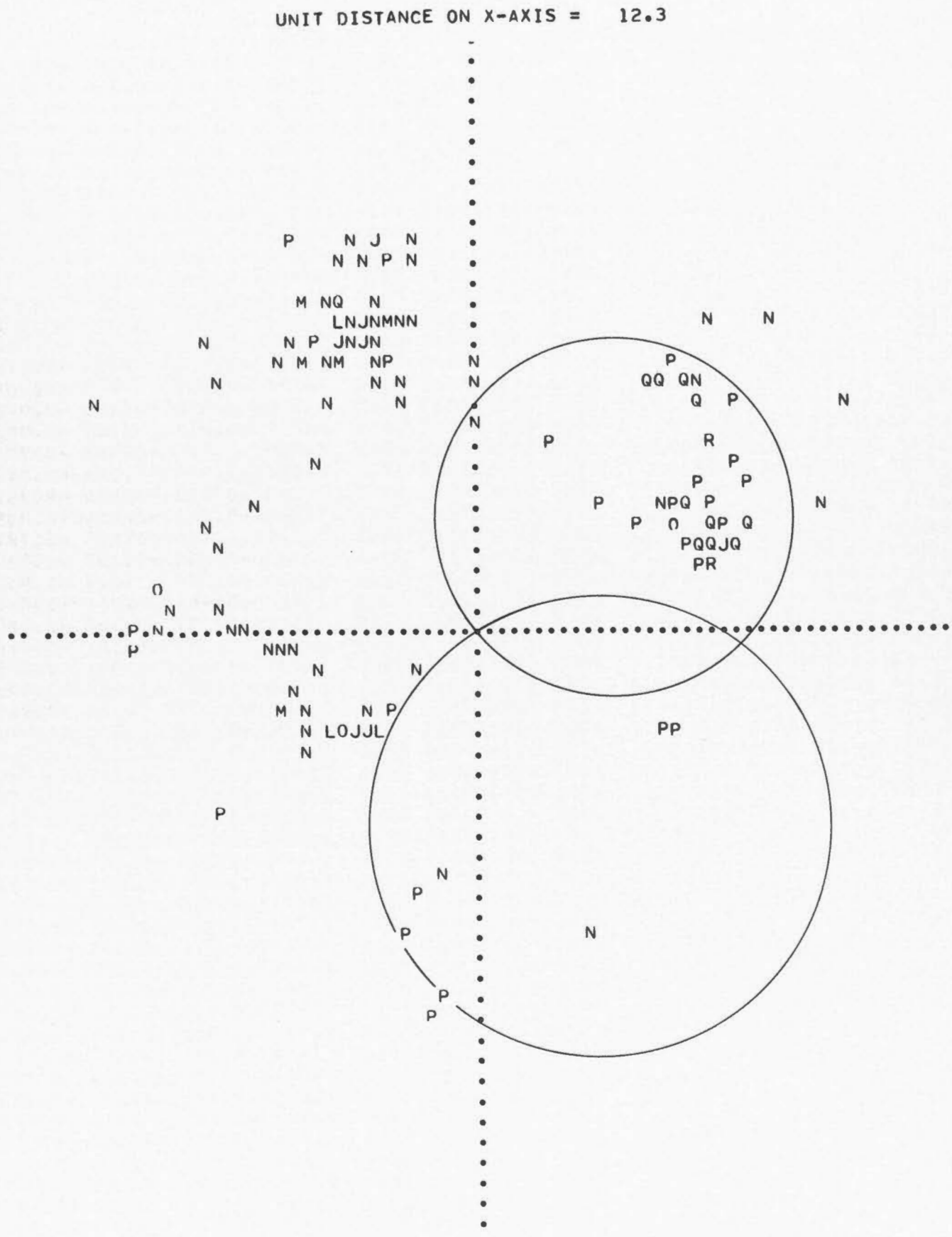
PORT MOR	-5.1	-13.2		.112	100	193.0	28.2	1.863	.461	-0.106	-0.881
PRUHONIC	-10.1	14.0		-0.338	-100	336.8	25.5	2.097	-0.395	-0.170	-0.903
QUETTA	-22.5	4.9		-0.669	-100	290.3	27.1	1.956	-0.158	-0.427	-0.890
RABAUL	-2.9	-12.2	W	.183	-100	188.0	30.4	1.704	.501	-0.070	-0.863
RELIZANE	-9.9	18.7		-0.300	-100	342.6	20.3	2.704	-0.331	-0.104	-0.938
RENO	18.5	4.0		.047	100	70.0	31.9	1.606	-0.181	.496	-0.849
RIVERSID	20.4	3.7		.031	100	72.9	29.8	1.743	-0.146	.476	-0.867
RACIBORZ	-10.9	13.5		-0.359	-100	334.5	25.8	2.066	-0.393	-0.188	-0.900
RAPID CI	17.6	7.1		.075	100	55.7	29.8	1.743	-0.280	.411	-0.868
REGGIO C	-14.5	15.9		-0.380	-100	331.7	21.9	2.492	-0.328	-0.177	-0.928
RESOLUTE	6.4	9.3		.180	100	22.2	35.9	1.379	-0.543	.222	-0.810
REYKJAVI	.2	13.1		-0.084	-100	.5	29.0	1.803	-0.485	.004	-0.875
RIVERVIE	-3.7	-19.3		.005	100	186.5	20.5	2.679	.347	-0.040	-0.937
ROME	-12.2	15.7		-0.353	-100	335.3	22.8	2.382	-0.352	-0.162	-0.922
RUMANGAB	-71.4	27.5	W	-0.341	100	303.1	8.2	6.959	-0.078	-0.119	-0.990
SAINT LO	19.5	9.3		.042	100	51.1	26.1	2.043	-0.276	.342	-0.898
SALT LAK	18.6	5.4		.059	100	63.7	30.6	1.693	-0.225	.456	-0.861
SAN JUAN	24.0	15.4		-0.046	-100	42.8	19.1	2.888	-0.240	.222	-0.945
SCORESBY	.1	11.9		-0.051	-100	.4	31.4	1.641	-0.520	.003	-0.854
SEATTLE	16.0	4.7		.083	100	63.7	34.4	1.460	-0.250	.506	-0.825
SERRA DO	-5.1	18.3		-0.240	-100	350.6	21.3	2.565	-0.358	-0.059	-0.932
SHILLONG	-20.2	-0.4		-0.681	-100	268.1	31.2	1.651	.018	-0.518	-0.855
SIAN CHA	-16.3	-1.4		-0.686	-100	261.6	36.6	1.348	.087	-0.589	-0.803
SKALSTUG	-6.1	12.2		-0.248	-100	343.5	29.8	1.748	-0.476	-0.141	-0.868
SOFIA	-14.6	13.8		-0.415	-100	328.0	24.0	2.248	-0.344	-0.215	-0.914
SONNEBER	-9.3	14.3		-0.317	-100	339.0	25.3	2.114	-0.399	-0.153	-0.904
STUTTGAR	-9.2	14.8		-0.312	-100	339.8	24.6	2.179	-0.391	-0.144	-0.909
SAINT LO	19.5	9.3		.042	100	51.1	26.1	2.040	-0.276	.343	-0.898
SEVEN FA	13.9	12.4		.034	100	33.6	26.0	2.054	-0.365	.242	-0.899
SHAWINIG	14.4	12.2		.037	100	35.1	26.0	2.049	-0.359	.252	-0.899
SITKA	13.4	4.9		.133	1	58.1	37.8	1.289	-0.324	.520	-0.790
STRASBOU	-8.9	15.0		-0.305	-100	340.6	24.5	2.189	-0.392	-0.138	-0.910
SUMOTO	-10.3	-5.0	W	-0.175	100	230.6	42.4	1.093	.429	-0.521	-0.738
SUVA	8.7	-14.8	W	.126	-100	160.8	24.8	2.161	.396	.138	-0.908
SVERDLOV	-13.1	7.9		-0.580	-100	315.6	33.2	1.528	-0.391	-0.383	-0.837
TACUBAYA	27.8	6.2		-0.005	-100	69.2	22.4	2.428	-0.135	.356	-0.925
TINEMAHA	19.4	3.9		.040	100	71.0	30.9	1.671	-0.167	.485	-0.858
TAMANRAS	-14.9	19.1	W	-0.348	100	335.2	19.0	2.904	-0.295	-0.136	-0.946
TOLMEZZO	-10.9	14.8		-0.343	-100	336.5	24.2	2.227	-0.376	-0.164	-0.912
TRIESTE	-11.3	14.8		-0.349	-100	335.7	24.0	2.246	-0.371	-0.167	-0.914
TASHKENT	-18.4	5.6		-0.703	-100	297.0	30.7	1.687	-0.232	-0.454	-0.860
TOLEDO	-7.1	18.3	W	-0.267	100	347.0	21.1	2.585	-0.351	-0.081	-0.933
TSUKUBA	-8.3	-5.2		-0.003	-100	223.8	45.4	.985	.514	-0.493	-0.702
TUCSON	21.6	4.8		.030	100	69.6	28.0	1.880	-0.164	.440	-0.883
TUCSON T	21.6	4.8		.030	100	69.4	28.0	1.880	-0.165	.439	-0.883
TOKYO	-8.5	-5.2		-0.014	-100	224.0	45.0	1.001	.508	-0.491	-0.708
TOYAMA	-9.5	-4.7		-0.141	-100	229.9	44.7	1.009	.453	-0.538	-0.711
TOMIE	-12.3	-4.7		-0.324	-100	237.4	40.0	1.191	.347	-0.541	-0.766
TOYOOKA	-10.3	-4.7		-0.203	-100	232.2	43.1	1.068	.419	-0.540	-0.730
UKIAH	18.3	3.4		.040	100	72.6	32.5	1.567	-0.161	.513	-0.843
UNIVERSI	17.5	11.7		.028	100	41.5	24.9	2.154	-0.315	.279	-0.907
UPPSALA	-7.9	12.3		-0.303	-100	339.2	28.9	1.813	-0.451	-0.172	-0.876
VIENNA	-11.1	14.1		-0.356	-100	334.9	25.0	2.141	-0.383	-0.179	-0.906
WAJIMA W	-9.5	-4.5		-0.170	-100	231.4	45.1	.996	.442	-0.554	-0.706
WASHINGT	18.2	12.0	W	.019	-1	41.9	24.2	2.220	-0.306	.274	-0.912
WARSAW	-10.8	12.9		-0.367	-100	333.7	26.7	1.985	-0.403	-0.199	-0.893
WESTON	15.8	12.8		.017	100	36.2	24.5	2.189	-0.335	.245	-0.910
ZOSE	-14.2	-3.9		-0.464	-100	245.1	38.0	1.281	.258	-0.558	-0.788


UNIT DISTANCE ON X-AXIS = 12.3

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STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ABERDEEN	-9.5	16.4	W	.750	-1	341.1	22.7	2.393	-0.365	-0.125	-0.923
ABUYAMA	-1.9	-1.0		.106	100	227.8	78.4	.205	.658	-0.726	-0.202
ALICANTE	-17.1	18.7	W	.805	-1	331.5	18.8	2.931	-0.284	-0.154	-0.946
ALISHAN	-10.9	-4.7	W	.793	-100	234.1	42.4	1.096	.395	-0.546	-0.739
ALMERIA	-16.9	19.0		.800	100	332.2	18.7	2.960	-0.283	-0.149	-0.947
APIA	18.9	-9.8		-0.163	-100	131.4	26.0	2.054	.289	.328	-0.899
ASTRIDA	-36.0	4.9	W	.954	-100	282.9	18.4	3.011	-0.070	-0.307	-0.949
ATHENS	-22.4	13.6	W	.891	-100	315.7	20.9	2.622	-0.255	-0.249	-0.934
BASEL	-15.5	16.6		.814	100	331.0	20.9	2.615	-0.312	-0.173	-0.934
BELGRADE	-18.6	14.2	W	.865	-1	322.2	22.0	2.478	-0.296	-0.229	-0.927
BERKELEY	21.6	8.4		.003	100	56.7	25.3	2.111	-0.235	.358	-0.904
BESCANCO	-15.3	16.9		.809	100	331.8	20.7	2.647	-0.311	-0.167	-0.936
BOMBAY	-23.0	.5	W	.999	-100	272.2	28.0	1.878	-0.018	-0.469	-0.883
BOULDER	23.0	9.7		.068	100	54.5	23.4	2.307	-0.231	.324	-0.918
BOZEMAN	18.7	11.2		.133	100	44.8	24.7	2.170	-0.297	.295	-0.908
BUCAREST	-19.1	13.0		.883	100	318.9	22.8	2.378	-0.292	-0.255	-0.922
BUENOS A	170.7	21.2	W	.486	-100	78.2	4.0	14.237	-0.014	.068	-0.998
CANTON	-13.5	-3.9		.876	100	244.1	39.2	1.228	.276	-0.568	-0.775
CARTUJA	-16.4	19.2		.795	1	333.2	18.7	2.961	-0.285	-0.144	-0.947
CHANGCHU	-4.4	.9		.077	100	289.6	69.0	.383	-0.313	-0.880	-0.358
CHATRA	-18.4	.2		.975	1	271.3	33.6	1.503	-0.012	-0.554	-0.833
CHENGTU	-15.6	-0.7		.931	100	265.7	38.1	1.277	.046	-0.615	-0.787
CLERMONT	-15.3	17.6		.802	100	332.7	20.1	2.733	-0.305	-0.157	-0.939
CLEVELAN	17.9	17.4	W	.348	-100	31.4	19.6	2.813	-0.286	.174	-0.942
COLLEGE	10.1	8.9	W	.112	-100	33.8	34.0	1.485	-0.464	.311	-0.830
COLOGNE	-13.8	16.2		.803	100	333.2	21.8	2.501	-0.331	-0.168	-0.929
COPENHAG	-12.5	14.7		.803	100	333.3	23.7	2.277	-0.359	-0.181	-0.916
CORVALLI	18.9	9.0		.025	100	51.3	26.8	1.981	-0.282	.351	-0.893
DE BILT	-13.0	16.3		.792	100	334.8	21.9	2.489	-0.337	-0.158	-0.928
DURHAM	-10.5	16.8		.760	100	339.7	22.0	2.475	-0.351	-0.130	-0.927
EUREKA	21.3	9.8		.067	100	52.3	24.4	2.204	-0.253	.327	-0.911
FLORISSA	21.0	15.7		.281	100	38.4	19.9	2.761	-0.267	.212	-0.940
FRESNO	22.3	8.7		.023	100	56.4	24.6	2.181	-0.230	.347	-0.909
GOTEBORG	-11.6	14.6		.793	100	334.8	24.2	2.226	-0.371	-0.174	-0.912
HALLE	-14.3	15.3		.817	1	331.0	22.5	2.412	-0.335	-0.186	-0.924
HAMBURG	-13.1	15.4		.803	100	333.2	22.8	2.374	-0.346	-0.175	-0.922
HELWAN	-26.7	11.3		.928	100	305.5	20.5	2.674	-0.203	-0.285	-0.937
HONG KON	-13.2	-4.2		.866	100	241.7	39.2	1.226	.299	-0.557	-0.775
HUNGRY H	17.6	10.8		.122	100	43.9	25.8	2.071	-0.313	.302	-0.901
HYDERABA	-21.8	-0.6		.994	100	267.2	29.3	1.781	.024	-0.489	-0.872
ISTANBUL	-20.9	12.3		.901	100	314.9	22.5	2.410	-0.271	-0.271	-0.924
JENA	-14.5	15.4		.818	100	330.8	22.3	2.435	-0.332	-0.185	-0.925
KARLSRUH	-15.0	16.2		.813	100	331.4	21.4	2.550	-0.320	-0.175	-0.931
KIRUNA	-8.4	13.0		.755	100	339.0	27.5	1.918	-0.431	-0.166	-0.887
KODAIKAN	-23.4	-2.1	W	.989	-100	261.5	27.4	1.928	.068	-0.455	-0.888
KSARA	-24.3	10.4		.935	100	305.8	22.2	2.447	-0.221	-0.307	-0.926
KUNMING	-10.9	-4.2		.798	100	236.9	43.2	1.064	.374	-0.573	-0.729
LAHORE	-19.8	2.8		.984	100	283.6	31.0	1.665	-0.121	-0.500	-0.857
LA PAZ	85.1	32.6		.444	100	57.1	6.9	8.275	-0.065	.101	-0.993
LEMBANG	-14.2	-9.2	W	.793	-100	222.6	30.2	1.716	.371	-0.340	-0.864
LHASA	-17.5	.4		.964	100	272.4	34.9	1.432	-0.024	-0.572	-0.820
LISBON	-13.7	19.9	W	.767	-100	337.8	18.6	2.965	-0.296	-0.120	-0.948
LYUBLJAN	-17.3	15.4		.842	100	326.3	21.4	2.549	-0.304	-0.203	-0.931
LUBBOCK	24.8	12.8		.183	100	48.9	20.4	2.686	-0.229	.263	-0.937
LWIRO	-84.4	12.3		.791	100	283.8	8.0	7.099	-0.033	-0.135	-0.990

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MADRAS	-22.1	-1.8		.989	100	262.0	28.8	1.819	.067	-0.477	-0.876
MALAGA	-16.2	19.3	W	.792	-1	333.6	18.6	2.969	-0.286	-0.142	-0.948
MATSUSHI	-1.0	-0.6		.030	100	223.3	83.4	.115	.722	-0.682	-0.115
MEDAN	-17.2	-6.2	W	.903	-100	238.8	31.4	1.640	.269	-0.445	-0.854
MESZSTET	-15.5	16.2		.817	100	330.6	21.3	2.571	-0.316	-0.178	-0.932
MINERAL	20.7	8.8		.019	100	54.2	25.7	2.081	-0.253	.351	-0.901
MONTREAL	14.1	18.5		.407	100	24.4	19.7	2.794	-0.307	.139	-0.942
MORGANTO	18.3	17.8		.354	100	31.3	19.2	2.870	-0.281	.171	-0.944
MOUNT HA	21.9	8.5	W	.007	-100	56.9	25.1	2.133	-0.232	.355	-0.905
NANKING	-11.0	-1.8		.784	100	254.3	47.0	.931	.197	-0.705	-0.682
NENCHATE	-15.6	16.8		.813	100	331.1	20.7	2.642	-0.310	-0.171	-0.935
NHATRANG	-14.2	-5.7		.865	100	235.7	35.5	1.400	.328	-0.480	-0.814
NORD	-1.3	12.7		.594	100	356.4	29.7	1.752	-0.494	-0.031	-0.869
OTTAWA	14.8	18.1		.394	100	25.7	19.8	2.775	-0.305	.147	-0.941
PALISADE	15.9	18.8		.396	100	26.6	19.1	2.894	-0.292	.146	-0.945
PAVIA	-16.9	16.5		.826	100	328.8	20.6	2.667	-0.300	-0.182	-0.936
PEKING	-10.7	.9		.730	100	278.3	48.5	.883	-0.108	-0.741	-0.662
POONA	-22.8	.3		.999	100	271.2	28.2	1.862	-0.010	-0.473	-0.881
PORT MOR	2.1	-11.2		.172	100	173.7	32.9	1.548	.539	.060	-0.840
POTSDAM	-14.1	15.0		.817	100	330.9	22.9	2.367	-0.340	-0.189	-0.921
PRUHONIC	-15.4	15.0		.830	100	328.7	22.5	2.419	-0.326	-0.198	-0.924
QUETTA	-21.5	3.7		.989	100	286.2	28.7	1.826	-0.134	-0.461	-0.877
RAPID CI	19.4	12.6		.192	100	42.2	23.0	2.354	-0.290	.263	-0.920
RENO	21.1	9.0		.032	100	54.1	25.2	2.128	-0.249	.344	-0.905
RIVERVIE	3.6	-16.0		.284	100	172.3	24.2	2.225	.406	.055	-0.912
ROME	-19.1	16.1		.845	100	324.9	20.2	2.715	-0.283	-0.198	-0.938
SAINT LO	21.1	15.7		.282	100	38.5	19.9	2.767	-0.266	.211	-0.941
SAN JUAN	44.4	45.1	W	.510	-100	30.2	7.9	7.199	-0.119	.069	-0.991
SCORESBY	-2.5	15.0		.636	100	354.4	25.8	2.072	-0.432	-0.042	-0.901
SEATTLE	17.7	9.4		.052	100	48.0	27.2	1.947	-0.305	.339	-0.890
SERRA DO	-13.2	19.8		.765	100	338.4	18.8	2.933	-0.300	-0.119	-0.947
SHASTA	20.5	8.7		.013	100	54.3	25.9	2.060	-0.255	.355	-0.900
SHAWINIG	13.5	18.4		.415	100	23.4	19.8	2.772	-0.311	.135	-0.941
SHILLONG	-17.8	-0.6		.967	100	266.9	34.5	1.452	.030	-0.566	-0.824
SIAN CHA	-14.4	-0.2		.899	100	268.6	40.4	1.174	.015	-0.648	-0.762
SOFIA	-19.9	13.6	W	.879	-100	319.2	21.9	2.485	-0.282	-0.244	-0.928
SONNEBER	-14.8	15.6		.818	100	330.7	22.1	2.460	-0.328	-0.184	-0.926
STRASBOU	-15.0	16.4		.812	100	331.5	21.2	2.575	-0.318	-0.173	-0.932
STUTTGAR	-15.2	16.1		.816	100	330.8	21.4	2.546	-0.319	-0.178	-0.931
TOLMEZZO	-17.0	15.6		.836	100	327.3	21.3	2.564	-0.306	-0.196	-0.932
TEHRAN	-22.0	7.3		.964	100	299.1	25.9	2.060	-0.212	-0.381	-0.900
TRIESTE	-17.5	15.6		.840	100	326.4	21.2	2.577	-0.301	-0.200	-0.932
TSUKUBA	-0.5	-0.6		.052	100	204.6	84.6	.095	.905	-0.415	-0.095
TUCSON	25.2	10.4		.101	100	55.1	21.8	2.504	-0.212	.304	-0.929
TUCSON T	25.1	10.4		.102	100	55.0	21.8	2.504	-0.213	.304	-0.929
UKIAH	21.1	8.4		-0.001	-100	56.1	25.8	2.071	-0.243	.361	-0.901
UNIVERSI	17.2	18.1		.370	100	29.3	19.2	2.866	-0.287	.161	-0.944
UPPSALA	-11.4	13.8		.797	100	333.9	25.3	2.113	-0.384	-0.188	-0.904
VICTORIA	17.3	9.4	W	.048	-100	47.6	27.6	1.915	-0.312	.342	-0.887
WESTON	14.5	19.1		.415	100	24.2	19.1	2.885	-0.299	.134	-0.945
ZAGREB	-17.6	15.1		.847	100	325.3	21.6	2.530	-0.302	-0.209	-0.930
ZOSE	-9.0	-2.1		.689	100	248.9	51.6	.791	.282	-0.731	-0.621
FLAMING	20.9	11.2		.130	100	47.8	23.4	2.308	-0.267	.294	-0.918
GLEN CAN	22.7	10.5		.101	100	52.0	23.0	2.358	-0.240	.307	-0.921
CHITTAGO	-18.0	-1.3		.968	100	263.0	34.0	1.483	.068	-0.555	-0.829
IRKUTSK	-11.6	5.4		.825	100	307.9	39.7	1.203	-0.392	-0.504	-0.769
SIMFEROP	-19.1	11.4		.902	100	315.3	24.3	2.213	-0.293	-0.289	-0.911

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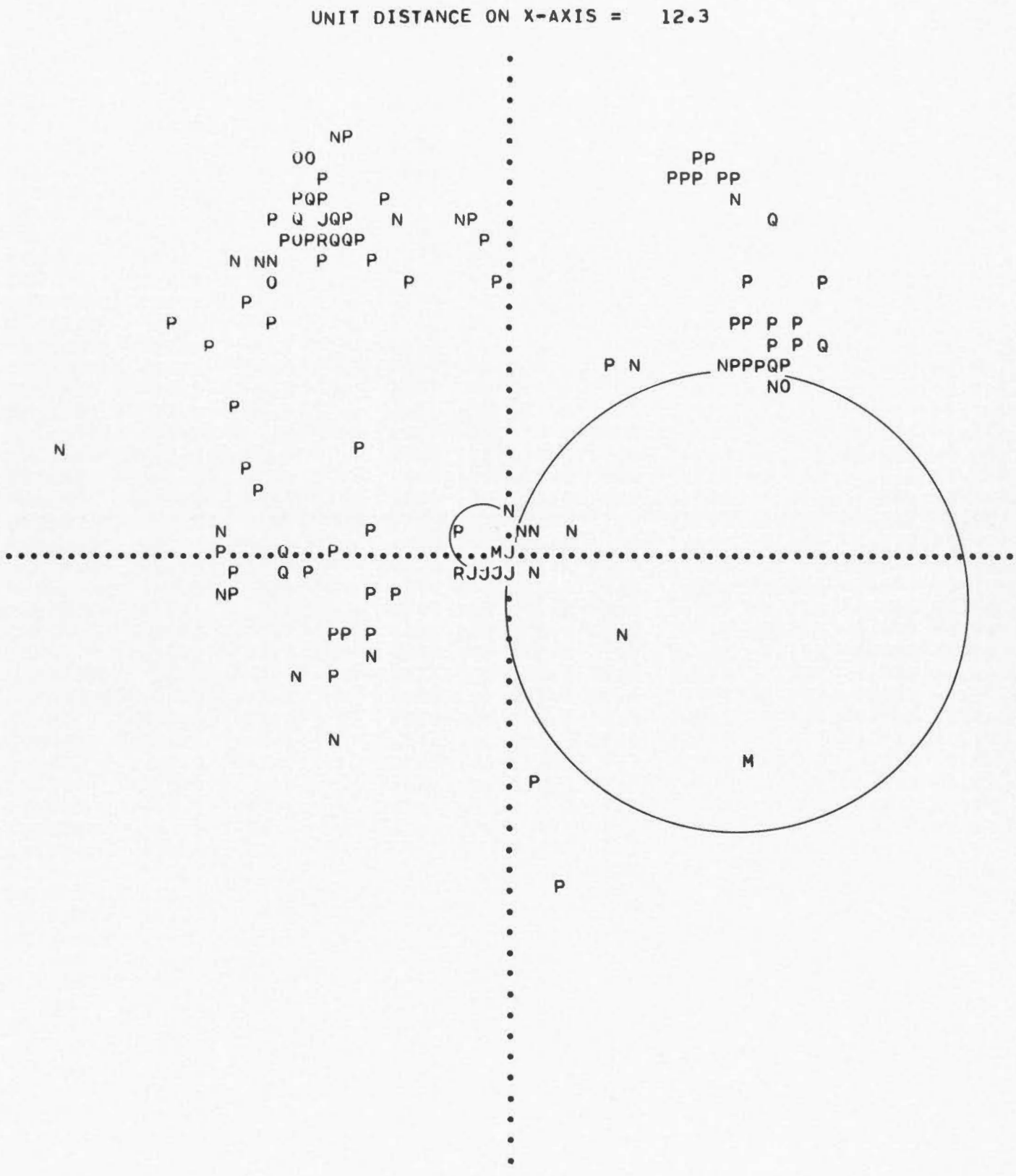
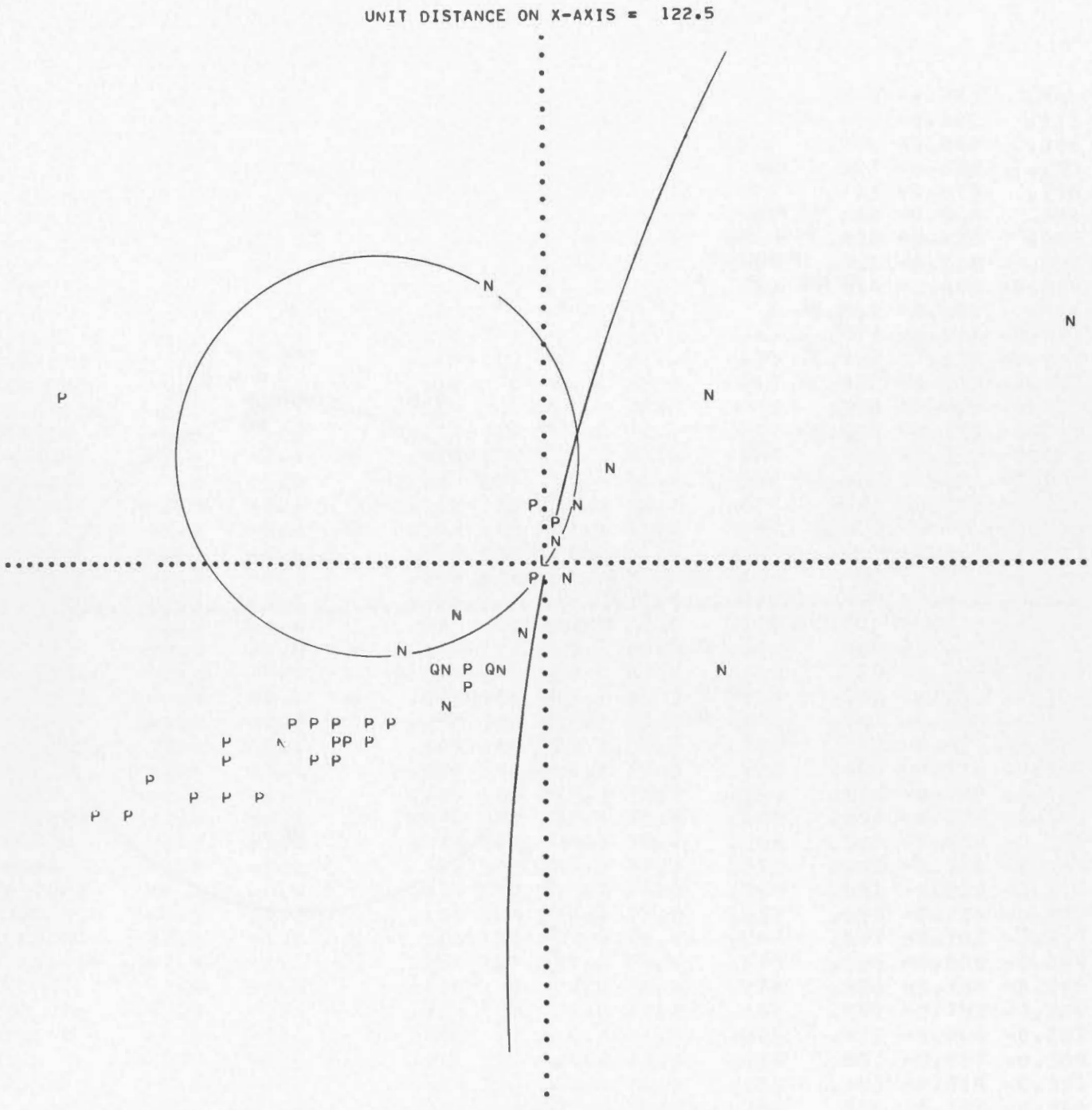
MIYAKO	7.7	8.5		.151	100	208.1	143.2	1.336	.528	-0.283	.801
HACHINOH	9.0	-4.0		-0.751	-100	306.7	132.5	.915	-0.440	-0.592	.675
MORIOKA	4.8	1.3		-0.639	-100	246.1	113.3	.430	.371	-0.840	.396
AOMORI	1.6	-0.6		-0.780	-100	302.2	98.8	.154	-0.527	-0.836	.153
MIZASAWA	1.5	.9		-0.209	-100	223.6	100.1	.178	.713	-0.679	.176
HAKODATE	.2	-0.1		-0.427	-100	326.1	91.4	.023	-0.830	-0.558	.024
ISHINOMA	.3	.3		-0.010	-100	205.4	92.8	.049	.902	-0.428	.049
SENDAI	.1	.1		-0.018	-100	211.2	91.1	.019	.855	-0.518	.020
MURORAN	-0.0	.0		-0.291	-100	336.1	89.7	.004	-0.914	-0.405	-0.005
MORI	0	0		-0.390	-100	327.2	90.0	0	-0.841	-0.541	.000
TOMAKOMA	-0.0	.0		-0.170	-100	347.6	89.6	.006	-0.977	-0.215	-0.007
OBIHIRO	.1	.2		.000	100	13.4	88.1	.033	-0.972	.232	-0.033
SAPPORO	-0.1	.3	W	-0.157	100	346.5	87.7	.040	-0.972	-0.233	-0.041
FUKUSHIM	-0.1	-0.1		.004	100	212.0	88.7	.023	.848	-0.529	-0.024
SUTTSU	-0.5	1.5		-0.001	-100	349.7	77.7	.217	-0.961	-0.175	-0.213
ONAHOMA	-0.2	-0.4	W	.028	-100	199.7	86.9	.054	.940	-0.337	-0.055
NEMURO	.6	.5		-0.088	-100	36.4	84.9	.088	-0.802	.591	-0.088
AIKAWA	-0.8	-0.3		-0.118	-100	237.9	85.7	.075	.530	-0.845	-0.076
MITO	-0.4	-0.6	W	.043	-100	201.8	85.2	.084	.925	-0.371	-0.085
KAKIOKA	-0.5	-0.6		.050	100	203.8	84.6	.093	.911	-0.403	-0.093
MAEBASI	-0.7	-0.6		.049	100	215.6	84.0	.104	.809	-0.579	-0.104
KUMAGAYA	-0.7	-0.7		.059	100	211.2	83.9	.107	.851	-0.514	-0.107
NAGANO	-1.0	-0.6		.021	100	224.5	83.6	.112	.709	-0.697	-0.112
OIWAKE	-0.9	-0.6	W	.047	-100	219.3	83.4	.115	.769	-0.629	-0.114
WAJIMA W	-1.3	-0.5		-0.064	-100	238.9	83.0	.123	.513	-0.849	-0.123
FUNATSU	-0.9	-0.8	W	.078	-100	212.4	82.3	.135	.836	-0.532	-0.135
NAGOYA	-1.4	-0.9		.092	100	222.3	80.1	.174	.728	-0.663	-0.172
KAMEYAMA	-1.6	-1.0		.104	100	223.3	79.2	.190	.715	-0.674	-0.187
HIKONA	-1.6	-0.9		.086	100	226.7	79.6	.184	.674	-0.716	-0.181
KYOTO	-1.8	-1.0		.098	100	227.8	78.7	.199	.658	-0.727	-0.195
MAIZURU	-1.9	-0.9		.074	100	232.0	78.9	.195	.604	-0.773	-0.192
TOYOOKA	-2.1	-0.9		.072	100	234.8	78.4	.205	.565	-0.800	-0.202
OSAKA	-1.9	-1.1		.117	100	227.1	77.9	.213	.666	-0.716	-0.209
TOTTORI	-2.3	-0.9		.076	100	237.1	77.6	.219	.531	-0.820	-0.214
SUMOTO	-2.1	-1.1		.133	100	228.2	77.0	.231	.650	-0.726	-0.225
OKAYAMA	-2.4	-1.0	W	.124	-100	233.6	76.4	.242	.577	-0.782	-0.235
HIROSHIM	-2.9	-1.1		.155	100	237.0	74.4	.279	.524	-0.808	-0.269
KOCHI	-2.6	-1.3		.178	100	229.8	74.6	.274	.623	-0.736	-0.265
UWAJIMA	-2.9	-1.3		.203	100	231.8	73.2	.301	.592	-0.752	-0.289
HAMADA	-2.9	-1.0		.134	1	240.6	74.5	.276	.472	-0.840	-0.267
OITA	-3.2	-1.3		.216	100	234.7	72.3	.319	.551	-0.777	-0.305
FUKUOKO	-3.6	-1.2		.223	100	239.4	71.3	.338	.482	-0.815	-0.321
NAGASAKI	-3.8	-1.4		.265	100	237.5	69.9	.366	.504	-0.792	-0.344
TOMIE	-4.1	-1.4		.290	100	239.8	68.6	.392	.469	-0.804	-0.365
AFIAMALU	18.9	-9.9		-0.161	-100	131.5	25.9	2.056	.289	.328	-0.899
WARSAW	-15.0	13.7		.841	100	327.0	23.9	2.254	-0.340	-0.221	-0.914
REYKJAVI	-3.4	16.3		.657	100	352.9	23.8	2.271	-0.400	-0.050	-0.915
SIDA	-4.3	16.3	W	.672	-100	351.1	23.8	2.269	-0.398	-0.062	-0.915
FOCSANI	-18.6	12.8	W	.882	-100	319.3	23.3	2.322	-0.300	-0.258	-0.919
COLLMBER	-14.6	15.1		.821	100	330.3	22.6	2.401	-0.334	-0.190	-0.923
BRATISLA	-16.6	14.7	W	.844	-1	326.2	22.3	2.434	-0.316	-0.211	-0.925
VIENNA	-16.5	14.8		.842	100	326.6	22.2	2.445	-0.316	-0.208	-0.926
BENSBERG	-14.1	16.3		.804	100	332.8	21.6	2.527	-0.327	-0.168	-0.930


UNIT DISTANCE ON X-AXIS = 12.3


UNIT DISTANCE ON X-AXIS = 122.5
N
N
P
N
N
P
P
N
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N
N
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QN P QN
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N
P P P P P
P PP P
P P
P
P P P
P P

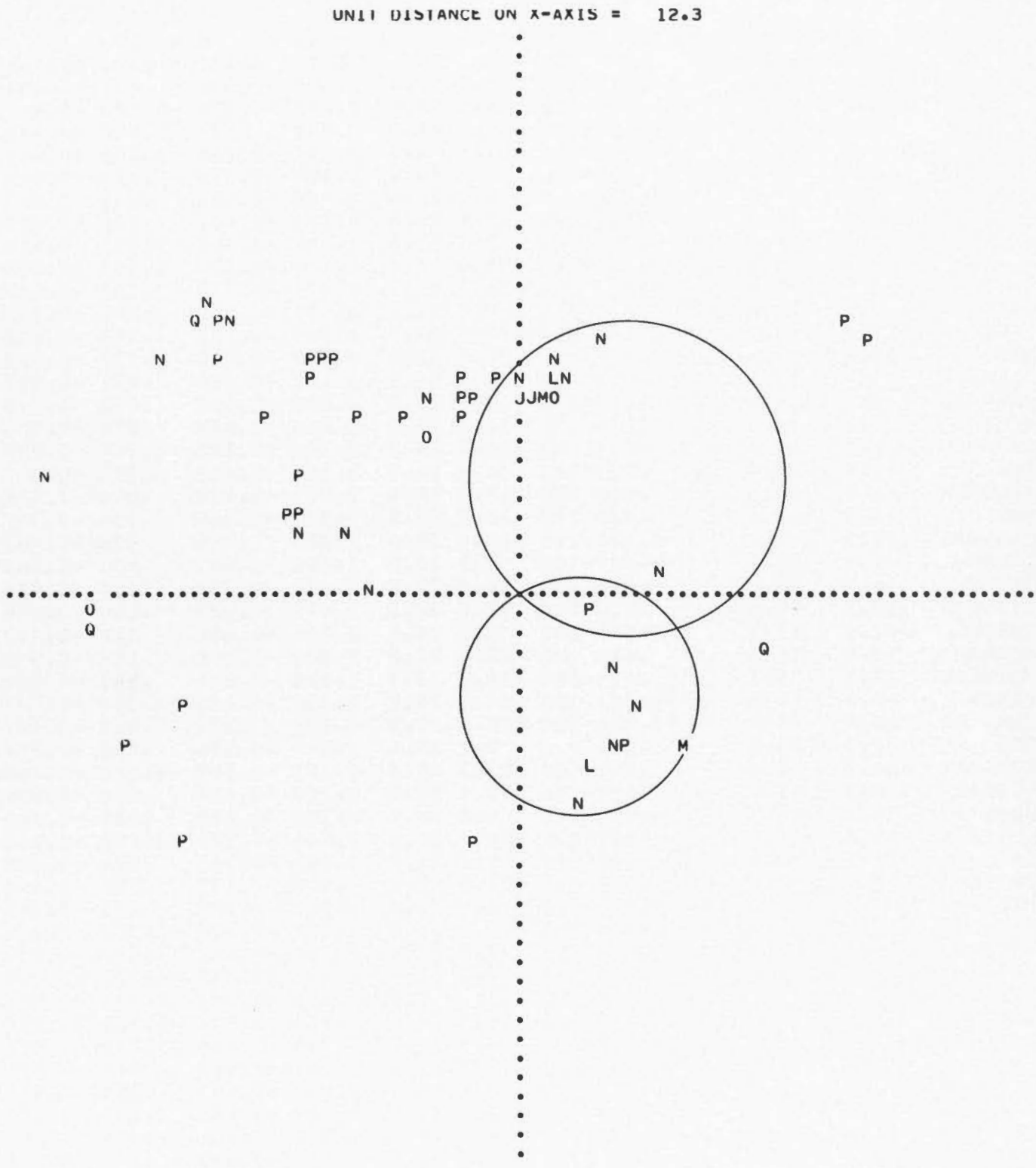
548

OCTOBER 7, 1960 H = 15.18.31 7.4S 130.7E DEPTH 45 KM. M = 6.7

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ABUYAMA	1.8	10.3		-0.154	-100	6.0	34.9	1.431	-0.569	.059	-0.820
APIA	20.7	-2.5		.000	100	101.6	30.1	1.726	.101	.491	-0.865
ASTRIDA	-36.7	-1.5		.565	100	266.0	18.4	3.002	.022	-0.315	-0.949
BALBOA	110.8	5.8		.174	100	84.9	6.3	9.084	-0.010	.109	-0.994
BELGRADE	-61.8	36.4	W	.356	-1	314.9	8.0	7.121	-0.098	-0.098	-0.990
BERMUDA	53.6	60.0		.216	100	27.9	6.1	9.363	-0.094	.050	-0.994
CANBERRA	7.5	-8.2		-0.201	-100	151.4	37.9	1.286	.539	.294	-0.790
CANTON	-7.9	8.4	W	.287	-100	331.1	37.0	1.328	-0.526	-0.291	-0.799
CARACAS	168.8	20.0	W	.206	-100	78.7	4.1	14.053	-0.014	.069	-0.997
CARTUJA	-67.4	36.7		.356	1	312.6	7.6	7.473	-0.090	-0.098	-0.991
CHANGCHU	-1.7	11.4		.003	100	355.1	32.3	1.579	-0.533	-0.046	-0.845
CHENGTU	-9.8	9.1		.362	100	327.5	33.9	1.487	-0.471	-0.300	-0.830
CHINCHIN	121.8	-4.7		.182	1	93.8	5.7	9.966	.007	.099	-0.995
CLERMONT	-58.0	40.4	W	.345	-100	319.7	7.8	7.310	-0.103	-0.088	-0.991
COLOMBO	-19.3	2.9	W	.781	-1	284.5	31.6	1.623	-0.131	-0.508	-0.852
DALLAS	73.4	32.4		.171	100	53.3	7.6	7.478	-0.079	.106	-0.991
DJAKARTA	-13.2	.2	W	.909	-100	271.6	42.9	1.075	-0.019	-0.681	-0.732
DURHAM	-43.9	45.9		.322	100	330.5	7.8	7.280	-0.118	-0.067	-0.991
FRESNO	70.3	30.6	W	.165	-100	53.7	8.0	7.128	-0.082	.112	-0.990
FUKUENE	129.5	-4.1		.186	100	93.1	5.4	10.586	.005	.094	-0.996
HALLE	-52.5	41.7	W	.339	-1	323.3	7.9	7.179	-0.111	-0.082	-0.990
HAMBURG	-49.4	43.1		.333	100	325.9	7.9	7.185	-0.114	-0.077	-0.990
HERMANUS	-29.2	-13.4		.413	100	232.2	18.3	3.017	.193	-0.248	-0.949
HONG KON	-7.6	8.3		.274	100	331.6	37.4	1.308	-0.534	-0.289	-0.795
HYDERABA	-19.1	5.5		.704	100	296.1	29.9	1.737	-0.220	-0.448	-0.867
ISTANBUL	-28.2	14.2		.482	100	310.4	18.3	3.017	-0.204	-0.240	-0.949
JENA	-53.2	41.5		.340	100	322.8	7.9	7.185	-0.110	-0.083	-0.990
KARAPIRO	13.9	-7.9		-0.071	-100	133.8	32.3	1.578	.371	.386	-0.845
KODAIKAN	-19.9	3.7		.754	100	287.6	30.4	1.701	-0.153	-0.483	-0.862
KSARA	-30.6	11.8	W	.520	-100	303.1	18.5	2.981	-0.174	-0.266	-0.948
KUNMING	-4.6	9.1		.078	100	343.5	37.4	1.309	-0.582	-0.173	-0.795
LA PAZ	68.3	-51.7		.195	100	142.0	6.3	9.047	.086	.068	-0.994
LHASA	-13.9	8.5		.523	100	316.0	31.5	1.630	-0.376	-0.363	-0.853
LISBON	-63.1	40.1		.348	100	317.0	7.5	7.558	-0.096	-0.089	-0.991
LUBBOCK	73.2	31.4	W	.169	-100	54.0	7.7	7.382	-0.079	.109	-0.991
LWIRO	-36.8	-1.4		.565	100	266.2	18.4	3.008	.021	-0.315	-0.949
MACQUARI	5.1	-10.9		-0.155	-100	164.6	32.7	1.559	.521	.143	-0.842
MADRAS	-18.9	4.5		.744	100	291.8	31.1	1.658	-0.192	-0.479	-0.856
MALAGA	-67.8	36.6	W	.357	-1	312.4	7.6	7.489	-0.089	-0.098	-0.991
MATSUSHI	2.7	10.5	W	-0.165	100	8.7	34.4	1.460	-0.558	.085	-0.825
M BOUR	-102.4	16.4		.370	100	285.1	6.6	8.657	-0.030	-0.111	-0.993
M BOUR	-40.6	6.5	W	.535	-100	285.1	16.3	3.430	-0.073	-0.270	-0.960
MEDAN	-15.3	2.9	W	.841	-100	287.7	37.4	1.310	-0.185	-0.578	-0.795
MINERAL	28.4	14.1		.026	100	50.0	18.3	3.020	-0.202	.241	-0.949
MONTREAL	39.9	50.8	W	.208	-100	24.9	7.4	7.720	-0.116	.054	-0.992
MORGANTO	55.8	45.7	W	.193	-100	35.8	7.3	7.777	-0.103	.075	-0.992
MOUNT HA	29.6	13.1		.025	100	53.2	18.3	3.020	-0.188	.252	-0.949
NANKING	-4.6	9.9		.093	100	344.4	35.3	1.412	-0.557	-0.155	-0.816
PEKING	-4.8	10.8		.115	100	345.2	32.9	1.546	-0.525	-0.139	-0.840
PORT MOR	6.1	-0.5		.281	100	98.0	63.2	.505	.125	.884	-0.452
QUETTA	-21.6	9.0		.584	100	305.1	24.9	2.153	-0.242	-0.345	-0.907
RABAUL	12.1	.9		-0.004	-100	82.8	45.1	.994	-0.089	.703	-0.705
RIVERVIE	8.5	-7.8	W	-0.179	100	147.1	37.9	1.284	.516	.334	-0.789
RUMANGAB	-36.8	-1.1	W	.567	-100	267.2	18.4	3.005	.016	-0.315	-0.949
SERRA DO	-59.8	41.4		.343	100	319.5	7.6	7.511	-0.100	-0.086	-0.991

548
OCTOBER 7, 1960 H = 15.18.31 7.4S 130.7E DEPTH 45 KM. M = 6.7

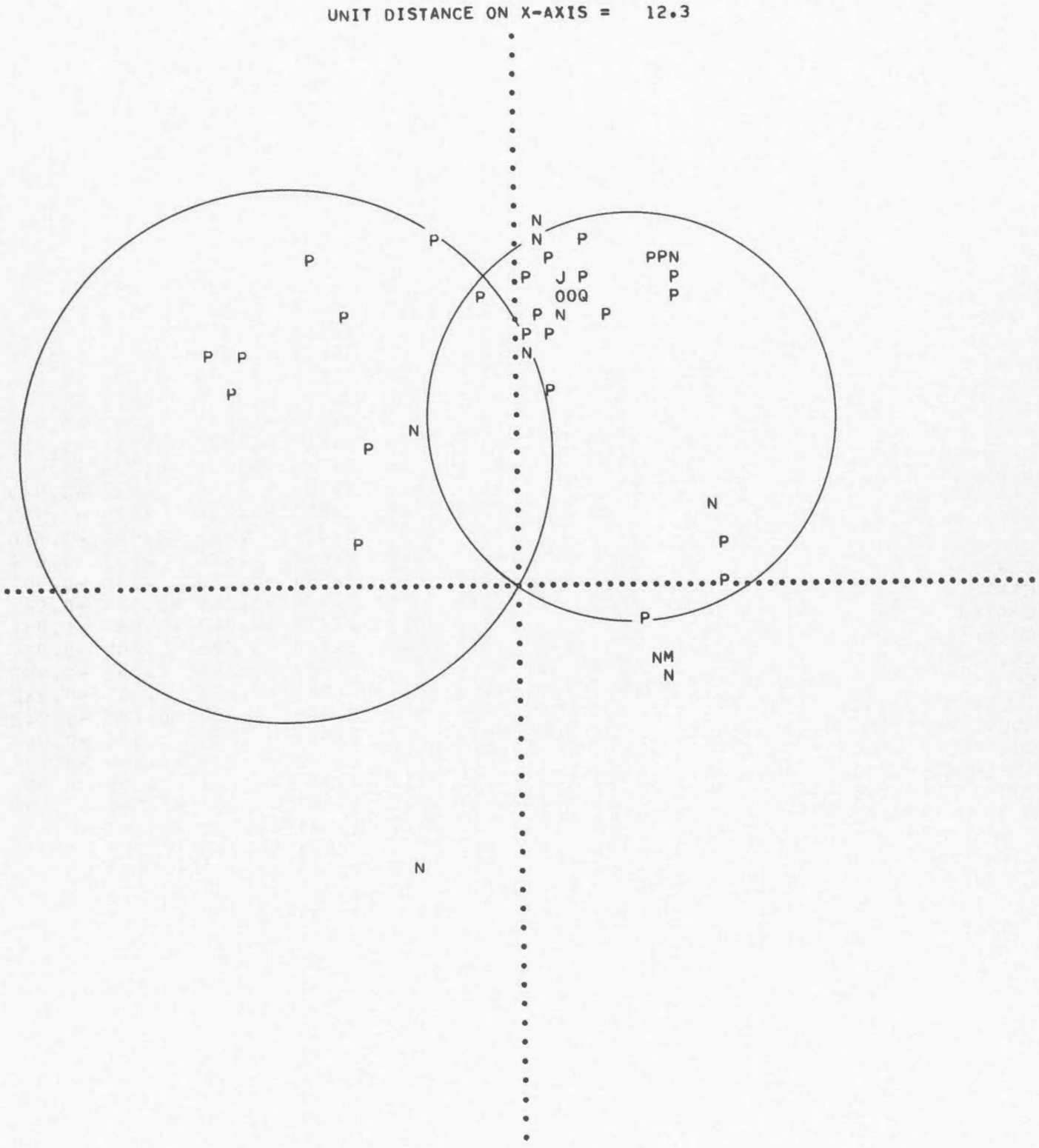
SIAN CHA	-7.9	9.8	W	.259-100	334.5	33.7	1.497	-0.501	-0.239	-0.832
SOFIA	-27.3	14.8	W	.471-100	312.4	18.3	3.019	-0.212	-0.232	-0.949
STUTTGAR	-55.5	40.7	W	.343-100	321.1	7.9	7.218	-0.107	-0.086	-0.991
TANANARI	-29.2	-5.6		.560 100	252.0	21.7	2.508	.114	-0.352	-0.929
TOLMEZZO	-59.2	38.6	W	.350-100	317.8	7.9	7.191	-0.102	-0.093	-0.990
TONGARIR	13.7	-8.2		-0.075-100	135.3	32.2	1.590	.378	.374	-0.847
TEHRAN	-26.4	11.6		.524 100	306.6	20.4	2.690	-0.208	-0.280	-0.937
TSUKUBA	3.4	10.4		-0.181-100	10.9	34.4	1.460	-0.555	.107	-0.825
UVIRA	-36.7	-1.9		.563 100	265.1	18.4	3.005	.027	-0.314	-0.949
WILKES	-3.6	-13.0		.000 100	189.2	28.7	1.823	.475	-0.077	-0.877
ZOSE	-3.8	9.8		.050 100	347.1	35.7	1.393	-0.568	-0.130	-0.812
TIFLIS T	-26.4	13.9		.483 100	311.6	19.1	2.880	-0.218	-0.245	-0.945
KANDILLI	-28.2	14.2		.482 100	310.4	18.3	3.017	-0.204	-0.240	-0.949
TARRALEA	5.5	-9.4		-0.209-100	160.7	36.2	1.367	.557	.196	-0.807
CHARTERS	7.7	-4.0		-0.097-100	131.5	49.9	.841	.507	.573	-0.644
BRISBANE	10.4	-6.4		-0.122-100	136.0	39.4	1.218	.457	.440	-0.773
MOORLAND	5.8	-9.3		-0.206-100	160.0	36.1	1.372	.553	.202	-0.808
FORT NEL	5.7	-9.4		-0.205-100	160.1	35.9	1.379	.552	.199	-0.810
VLADIVOS	.4	11.4		-0.062-100	1.1	32.5	1.571	-0.537	.011	-0.844
AFIAMALU	20.7	-2.5		.000 100	101.7	30.1	1.726	.102	.491	-0.865
UGLEGORS	3.3	12.4		-0.076-100	8.9	30.0	1.734	-0.493	.077	-0.866
PETROPAV	7.5	13.4		-0.073-100	18.3	27.2	1.947	-0.434	.143	-0.890
ALMATA	-16.5	11.9		.451 100	320.8	25.2	2.125	-0.330	-0.269	-0.905
FRUNSE	-16.9	11.9		.459 100	319.9	25.0	2.145	-0.323	-0.272	-0.906
ANDIJAN	-18.0	11.5		.484 100	317.1	24.8	2.159	-0.308	-0.286	-0.907
NAMANGAN	-18.2	11.6		.484 100	317.1	24.7	2.178	-0.305	-0.284	-0.909
MAKHACHK	-25.3	14.1	W	.476-100	313.2	19.4	2.835	-0.228	-0.242	-0.943
BULAWAYO	-34.0	-8.0		.504 100	248.3	18.5	2.988	.117	-0.295	-0.948
SIDA	-23.6	50.9		.289 100	344.7	7.8	7.280	-0.131	-0.036	-0.991
REYKJAVI	-20.8	51.4	W	.284-100	346.5	7.8	7.292	-0.132	-0.032	-0.991
KAGOSHIM	-0.1	10.0		-0.113-100	359.8	35.8	1.385	-0.585	-0.002	-0.811
MIYAZAKI	.3	10.1		-0.124-100	1.0	35.7	1.389	-0.584	.010	-0.812
NAGASAKI	-0.3	10.1		-0.098-100	358.9	35.5	1.400	-0.581	-0.011	-0.814
OITA	.4	10.2	W	-0.119 100	1.2	35.4	1.407	-0.579	.012	-0.815
FUKUOKO	-0.1	10.2		-0.101-100	359.6	35.3	1.411	-0.578	-0.004	-0.816
MATSUYAM	.8	10.2	W	-0.131 100	2.6	35.2	1.415	-0.576	.027	-0.817
HIROSHIM	.7	10.3		-0.123-100	2.2	35.1	1.422	-0.575	.022	-0.818
SUMOTO	1.6	10.3		-0.151-100	5.2	35.1	1.423	-0.572	.052	-0.818
HAMADA	.5	10.3	W	-0.116 1	1.7	35.0	1.428	-0.573	.017	-0.819
NIIGATA	2.9	10.6		-0.160-100	9.2	34.0	1.484	-0.552	.090	-0.829
YAMAGATA	3.3	10.6		-0.166-100	10.5	33.8	1.493	-0.547	.101	-0.831
HAKODATE	3.3	11.2		-0.136-100	9.8	32.6	1.562	-0.531	.092	-0.842
KUSHIRO	4.3	11.3		-0.142-100	12.8	32.0	1.601	-0.516	.117	-0.848


UNIT DISTANCE ON X-AXIS = 12.3

556

JANUARY 20, 1961 H = 17.09.16 56.6N 152.3W DEPTH 46 KM. M = 6.7

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ALICANTE	11.7	17.2		.012	1	22.0	21.4	2.552	-0.338	.137	-0.931
ANDIJAN	-15.5	13.9		.036	100	326.6	23.6	2.292	-0.334	-0.220	-0.917
APIA	-9.0	-14.8		-0.407	-100	199.9	24.7	2.170	.394	-0.142	-0.908
ASTRIDA	-4.0	53.6		-0.081	-100	357.5	7.7	7.397	-0.134	-0.006	-0.991
ATHENS	1.8	19.4		-0.004	-100	3.2	20.4	2.685	-0.348	.019	-0.937
BELGRADE	2.7	17.3		.002	1	5.3	22.6	2.400	-0.383	.035	-0.923
BENSBERG	6.3	15.2		.018	100	13.8	24.8	2.163	-0.407	.100	-0.908
BRATISLA	3.5	16.3	W	.007	-1	7.3	23.8	2.265	-0.400	.051	-0.915
BULAWAYO	-2.5	59.2		-0.088	-100	358.6	7.0	8.170	-0.121	-0.003	-0.993
CARTUJA	13.2	16.9		.014	1	24.7	21.3	2.571	-0.329	.152	-0.932
CHATRA	-24.5	11.8		.061	1	309.1	21.2	2.576	-0.228	-0.281	-0.932
CLEVELAN	17.9	2.3		.141	100	77.6	33.7	1.497	-0.120	.542	-0.832
COIMBRA	13.6	15.5		.026	1	27.4	22.6	2.403	-0.341	.177	-0.923
COLLMBER	4.4	15.4		.012	100	9.7	24.9	2.151	-0.416	.071	-0.907
COPENHAG	4.0	14.5	W	.013	-100	9.3	26.3	2.020	-0.438	.072	-0.896
HALLE	4.7	15.3		.013	1	10.3	25.0	2.143	-0.416	.076	-0.906
HOWRAH	-26.7	11.6		.057	100	306.2	20.3	2.704	-0.205	-0.280	-0.938
JENA	4.9	15.4	W	.013	-100	10.7	24.9	2.159	-0.413	.078	-0.907
KARLSRUH	6.1	15.6		.015	100	13.1	24.4	2.209	-0.402	.094	-0.911
KEW	8.0	14.4		.028	100	18.3	25.5	2.093	-0.409	.135	-0.902
KING RAN	13.2	-4.6		-0.334	-100	120.4	38.6	1.250	.316	.538	-0.781
KIRUNA	1.2	12.3		-0.000	-100	3.3	30.6	1.694	-0.507	.030	-0.861
LISBON	14.3	15.6		.024	100	28.5	22.2	2.452	-0.332	.180	-0.926
LITTLE R	18.1	-0.5		.019	100	92.5	34.1	1.479	.025	.560	-0.828
LEMBERG	1.2	16.1		.003	100	2.5	24.2	2.220	-0.410	.018	-0.912
MALAGA	13.6	16.9	W	.014	-1	25.5	21.2	2.582	-0.326	.155	-0.933
MONTREAL	17.3	4.1	W	.175	-100	68.2	33.3	1.523	-0.204	.509	-0.836
MOSCOW	-2.6	14.6	W	-0.001	100	354.0	26.2	2.030	-0.439	-0.046	-0.897
MOUNT HA	12.6	-4.4		-0.332	-100	120.6	39.9	1.195	.326	.552	-0.767
NORD	2.7	10.0		.004	1	9.2	35.6	1.398	-0.574	.093	-0.814
PETROPAV	-14.2	2.0		.381	100	283.3	40.0	1.191	-0.148	-0.626	-0.766
POTSDAM	4.3	15.2	W	.012	-100	9.5	25.3	2.119	-0.421	.070	-0.904
PRUHONIC	4.1	15.7		.010	100	8.8	24.5	2.197	-0.409	.064	-0.910
QUETTA	-18.5	16.6		.021	100	326.7	20.0	2.746	-0.286	-0.188	-0.940
ROME	6.1	17.7		.005	100	11.4	21.9	2.492	-0.365	.074	-0.928
SEATTLE	10.9	-1.6		.053	100	103.9	47.5	.915	.177	.716	-0.675
SHASTA	12.2	-3.7		-0.259	-100	116.9	41.8	1.117	.302	.595	-0.745
SHILLONG	-25.4	10.5		.072	100	304.8	21.6	2.527	-0.210	-0.302	-0.930
SKALSTUG	3.0	12.9		.012	100	7.9	29.1	1.795	-0.482	.067	-0.874
SOFIA	1.7	18.0		-0.000	-1	3.3	21.9	2.492	-0.372	.021	-0.928
TIFLIS T	-6.8	17.6		.001	100	347.1	21.9	2.491	-0.363	-0.083	-0.928
TIKSI	-8.9	8.0	W	.032	-100	326.5	37.2	1.319	-0.504	-0.333	-0.797
UMEA	1.5	13.0		.004	100	3.8	29.1	1.800	-0.484	.032	-0.874
UPPSALA	2.3	13.8		.008	100	5.7	27.6	1.909	-0.462	.046	-0.886
VIENNA	3.8	16.2		.007	100	7.8	23.9	2.261	-0.401	.055	-0.915
WITTEVEE	5.9	14.7		.019	100	13.5	25.6	2.085	-0.420	.101	-0.902
WOODY	13.4	-4.4		-0.308	-100	118.9	38.6	1.253	.301	.546	-0.782
YAKUTSK	-12.6	6.6		.141	100	311.5	36.0	1.376	-0.390	-0.440	-0.809


UNIT DISTANCE ON X-AXIS = 12.3

558
FEBRUARY 26, 1961 H = 18.10.49 31.6N 131.2E DEPTH 54 KM. M = 7.2

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ADELAIDE	2.8	-14.4		.089	100	173.4	26.6	1.996	.445	.052	-0.894
AFIAMALU	22.4	-7.8		.002	100	120.5	25.2	2.124	.216	.367	-0.905
AIKAWA	1.9	1.3	W	.029	-100	41.0	76.7	.236	-0.735	.638	-0.230
ALISHAN	-3.4	-1.6		-0.374	-1	230.8	70.2	.360	.595	-0.729	-0.339
ALMERIA	-21.4	17.5	W	.785	-100	324.0	18.6	2.976	-0.258	-0.187	-0.948
APATITY	-9.9	12.6		.893	100	334.9	27.6	1.914	-0.419	-0.196	-0.886
APIA	22.4	-7.8		.001	100	120.4	25.2	2.122	.216	.367	-0.905
ASOSAN	.4	-2.4		.108	100	354.5	108.6	.336	-0.943	-0.091	.319
ASTRIDA	-36.5	1.5		.515	100	273.8	18.5	2.990	-0.021	-0.316	-0.948
BELGRADE	-20.6	13.4		.771	1	317.7	21.8	2.494	-0.275	-0.251	-0.928
BENSBERG	-17.2	16.2		.817	100	327.8	20.8	2.634	-0.300	-0.189	-0.935
BERKELEY	23.9	11.9		.546	100	49.9	21.4	2.554	-0.235	.279	-0.931
BOKARO	-17.2	.1		.205	1	270.4	35.5	1.401	-0.005	-0.581	-0.814
BOMBAY	-20.1	.2		.298	1	271.0	31.4	1.639	-0.009	-0.520	-0.854
BOULDER	25.2	13.5		.572	100	47.9	19.8	2.775	-0.227	.251	-0.941
BOZEMAN	20.1	14.9		.648	100	38.6	20.8	2.633	-0.278	.221	-0.935
BRATISLA	-18.8	14.2	W	.795	-1	321.8	21.9	2.487	-0.293	-0.231	-0.928
BUCAREST	-20.5	12.1		.757	100	315.0	22.9	2.369	-0.275	-0.275	-0.921
BUENOS A	34.4	-8.1		.190	100	111.7	18.3	3.020	.116	.292	-0.949
BUTTE	20.0	14.6		.644	100	39.0	21.1	2.591	-0.280	.226	-0.933
CALCUTTA	-16.9	-0.5		.171	1	267.2	35.9	1.379	.029	-0.586	-0.810
CANBERRA	6.8	-14.4		.070	100	164.4	25.9	2.057	.421	.117	-0.899
CARACAS	39.9	49.7		.629	100	25.4	7.5	7.594	-0.118	.056	-0.991
CARTUJA	-21.0	17.7	W	.788	-1	324.9	18.6	2.978	-0.260	-0.183	-0.948
CHATRA	-16.8	.7		.224	1	274.2	36.1	1.372	-0.043	-0.587	-0.808
CHINA LA	25.3	12.8		.557	100	49.4	20.2	2.720	-0.225	.262	-0.939
CHINCHIN	59.8	42.5		.596	1	39.8	7.5	7.629	-0.100	.083	-0.992
CHOSI	2.7	.9	W	-0.501	100	61.3	76.0	.249	-0.466	.851	-0.242
CLERMONT	-19.0	17.0		.803	100	326.6	19.6	2.808	-0.280	-0.185	-0.942
CLEVELAN	15.2	19.7	W	.737	-100	24.5	18.5	2.990	-0.289	.131	-0.948
COLLMBER	-17.1	15.0		.816	100	326.0	21.9	2.489	-0.309	-0.209	-0.928
COPENHAG	-14.8	14.9		.839	100	329.5	22.7	2.385	-0.333	-0.196	-0.922
DEHRA DU	-17.5	2.3		.343	100	282.7	34.3	1.465	-0.124	-0.550	-0.826
DURHAM	-13.8	17.3		.842	100	334.7	20.7	2.641	-0.320	-0.151	-0.935
EUREKA	23.4	13.5		.588	100	45.7	20.5	2.674	-0.245	.251	-0.937
FAYETTEV	21.3	17.6		.666	100	35.8	18.5	2.983	-0.258	.186	-0.948
FLORENCE	-21.0	15.4		.782	100	321.0	20.2	2.724	-0.268	-0.217	-0.939
FLORISSA	19.2	18.4		.693	100	31.7	18.5	2.981	-0.270	.167	-0.948
FRUNSE	-15.5	5.5		.551	100	300.8	34.2	1.471	-0.287	-0.483	-0.827
FUKUI	1.3	.8	W	-0.086	100	43.1	81.4	.151	-0.722	.675	-0.150
FUKUOKO	.2	-0.4		.169	100	339.3	93.1	.053	-0.934	-0.354	.054
GIFU	1.4	.7		-0.286	-100	50.6	81.5	.148	-0.628	.764	-0.147
GLEN CAN	24.6	14.3		.593	100	45.4	19.6	2.815	-0.235	.238	-0.942
GOTEBORG	-13.8	14.9		.849	100	331.3	23.1	2.341	-0.344	-0.189	-0.920
GUAM	7.5	-5.8		-0.308	-100	142.6	44.8	1.006	.560	.428	-0.709
HALIFAX	6.9	21.4	W	.801	-100	10.8	18.4	2.999	-0.311	.059	-0.949
HALLE	-16.9	15.1	W	.818	-1	326.5	21.8	2.505	-0.309	-0.204	-0.929
HAMADA	.1	.3		.422	100	12.9	87.6	.041	-0.974	.223	-0.042
HAMAMATS	1.7	.6	W	-0.524	100	60.1	80.9	.159	-0.492	.856	-0.158
HEIDELBE	-17.8	15.9		.811	100	326.4	20.8	2.627	-0.296	-0.197	-0.935
HENGCHUN	-3.5	-2.0	W	-0.297	100	226.4	68.3	.398	.641	-0.673	-0.370
HONG KON	-6.3	-2.0	W	-0.397	100	242.3	59.8	.582	.402	-0.765	-0.503
HOWRAH	-16.9	-0.5		.171	100	267.3	35.9	1.380	.028	-0.586	-0.810
HUANCAYO	90.5	34.6		.550	100	57.2	6.5	8.795	-0.061	.095	-0.994
HONOLULU	22.9	2.3		.142	100	80.4	27.8	1.897	-0.077	.460	-0.885
HUNGRY H	18.7	14.3		.655	100	37.8	21.8	2.497	-0.294	.228	-0.928

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HWALIEN	-3.1	-1.6		-0.364	-1	229.8	71.5	.333	.612	-0.725	-0.317
HYDERABA	-18.9	-0.7		.233	100	266.3	32.9	1.547	.035	-0.542	-0.840
IRKUTSK	-8.6	7.0		.787	100	324.1	40.0	1.192	-0.521	-0.376	-0.766
ISABELLA	25.3	12.6		.552	100	49.9	20.3	2.701	-0.224	.266	-0.938
ISHINOMA	2.8	1.5		-0.123	-100	48.4	73.1	.304	-0.635	.716	-0.292
KANDILLI	-21.9	11.2		.730	100	310.9	22.9	2.366	-0.255	-0.294	-0.921
IZUHARA	-0.2	.1		.002	100	327.0	88.6	.024	-0.839	-0.544	-0.024
JENA	-17.2	15.2		.816	100	326.2	21.6	2.528	-0.306	-0.204	-0.930
JERUSALE	-25.3	8.7		.653	1	300.2	22.7	2.386	-0.194	-0.334	-0.922
KAGOSHIM	14.9	3.2	W	.043	-100	250.3	142.3	1.295	.206	-0.575	.792
KAJAANI	-11.4	13.0		.874	100	332.4	26.4	2.017	-0.394	-0.205	-0.896
KAKIOKA	2.5	1.0		-0.391	-100	56.8	76.4	.241	-0.532	.813	-0.235
KAMEYAMA	1.3	.6		-0.379	-100	53.8	82.5	.131	-0.586	.800	-0.130
KARAPIRO	17.0	-14.9		.091	100	146.0	22.0	2.476	.310	.210	-0.927
KARLSRUH	-18.0	15.9		.810	100	326.2	20.7	2.643	-0.294	-0.197	-0.935
KEW	-15.6	17.4		.828	100	332.0	20.2	2.718	-0.305	-0.162	-0.939
KIMBERLE	-83.9	-16.3		.515	100	251.8	7.9	7.209	.043	-0.130	-0.991
KING RAN	25.4	12.3		.543	100	50.8	20.5	2.678	-0.221	.271	-0.937
KIRUNA	-9.5	13.7		.896	100	337.5	26.1	2.041	-0.406	-0.168	-0.898
KOCHI	.1	.0		-0.278	-100	47.5	89.5	.008	-0.676	.737	-0.008
KODAIKAN	-19.8	-2.3		.222	100	259.0	31.3	1.644	.099	-0.510	-0.855
KSARA	-24.3	8.9		.662	100	301.7	23.2	2.328	-0.207	-0.336	-0.919
KUMAMOTO	1.5	-2.2		-0.076	-100	338.5	108.3	.330	-0.883	-0.348	.314
KURILISK	5.2	3.8	W	.368	-100	39.3	56.0	.675	-0.641	.524	-0.560
LA PAZ	107.7	47.0		.556	100	53.6	5.2	10.923	-0.054	.073	-0.996
LEMBANG	-10.1	-8.7		.079	100	214.5	34.5	1.455	.467	-0.321	-0.824
LWIRO	-36.5	1.8		.520	100	274.6	18.5	2.993	-0.026	-0.316	-0.949
LYUBLJAN	-19.9	14.7		.788	100	321.2	21.0	2.600	-0.280	-0.225	-0.933
MADRAS	-18.8	-1.9		.200	100	260.2	32.6	1.561	.092	-0.531	-0.842
MAEBASI	2.1	1.0		-0.295	-100	52.6	77.6	.219	-0.594	.776	-0.214
MAIZURU	1.0	.6		-0.086	-100	42.3	83.1	.120	-0.734	.668	-0.120
MALAGA	-20.9	17.8	W	.789	-1	325.2	18.5	2.984	-0.261	-0.181	-0.948
M BOUR	-56.1	41.6		.660	100	321.5	7.8	7.344	-0.105	-0.084	-0.991
MEDAN	-14.0	-6.0		.068	1	234.1	35.3	1.411	.339	-0.468	-0.816
MESSINA	-24.1	14.1		.748	100	314.7	19.9	2.763	-0.239	-0.242	-0.940
MESZSTET	-18.5	15.8		.806	100	325.4	20.6	2.655	-0.290	-0.200	-0.936
MISHIMA	2.1	.7		-0.514	-100	60.5	78.9	.195	-0.483	.854	-0.192
MITO	2.6	1.0	W	-0.381	100	56.6	76.0	.250	-0.534	.810	-0.243
MORIOKA	2.7	1.7	W	.045	-100	42.9	71.9	.327	-0.697	.646	-0.312
MOUNT HA	24.3	12.0		.546	100	50.1	21.2	2.584	-0.232	.277	-0.933
MOUNT WI	26.0	12.6		.545	100	50.9	20.0	2.742	-0.216	.266	-0.940
MUNDARIN	-5.8	-13.7		.138	100	194.0	27.2	1.944	.444	-0.111	-0.889
MUROTOMI	.3	.1		-0.550	-100	59.0	88.5	.025	-0.515	.857	-0.026
NAGASAKI	1.2	-0.6	W	-0.528	100	310.4	97.3	.127	-0.643	-0.755	.126
NAGOYA	1.5	.6		-0.360	-100	53.4	81.5	.148	-0.590	.794	-0.147
NORD	-2.1	14.2		.932	1	355.1	27.0	1.964	-0.452	-0.039	-0.891
NURMIIJA	-13.0	13.2		.855	1	329.8	25.4	2.105	-0.371	-0.216	-0.903
OKAYAMA	.5	.4		.001	100	37.4	86.2	.065	-0.793	.606	-0.066
OSAKA	1.0	.5		-0.302	-100	50.2	84.1	.102	-0.637	.764	-0.102
PADOVA	-20.6	15.2		.785	100	321.3	20.4	2.694	-0.271	-0.218	-0.938
PALISADE	12.2	20.5		.764	100	19.3	18.4	3.001	-0.298	.105	-0.949
PALOMAR	26.5	12.7		.546	100	50.9	19.7	2.785	-0.213	.262	-0.941
PASADENA	26.1	12.5		.544	100	51.0	20.0	2.742	-0.216	.266	-0.940
PAVIA	-20.1	15.8		.792	100	323.1	20.1	2.728	-0.275	-0.206	-0.939
PERTH	-5.9	-13.7		.139	100	194.4	27.2	1.946	.443	-0.113	-0.889
PLAUEN	-17.5	15.1		.813	100	325.7	21.6	2.529	-0.304	-0.207	-0.930
POONA	-19.9	.0		.286	100	270.1	31.6	1.622	-0.001	-0.525	-0.851
PORT MOR	6.9	-9.6		-0.082	-100	156.9	34.7	1.442	.524	.224	-0.822

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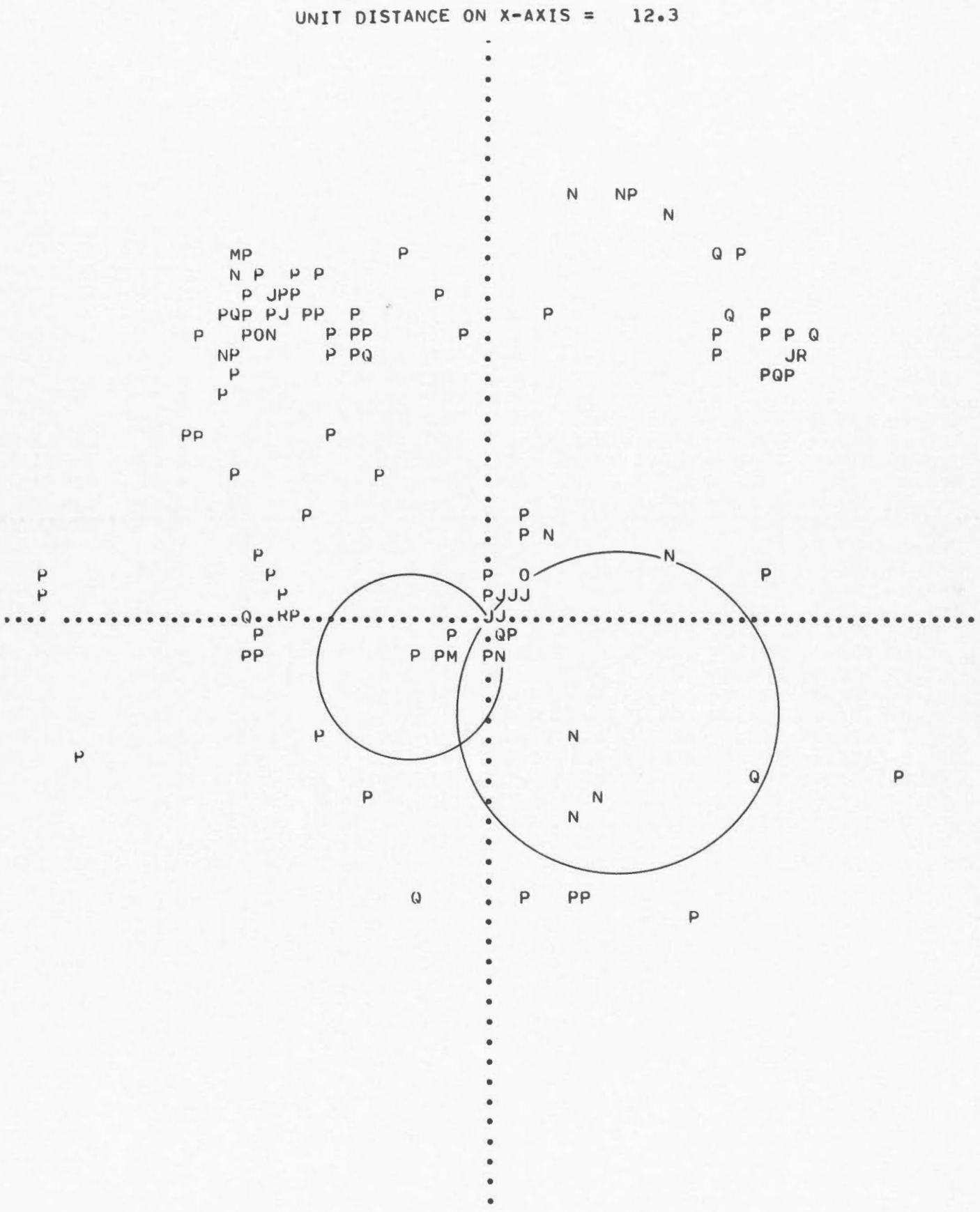
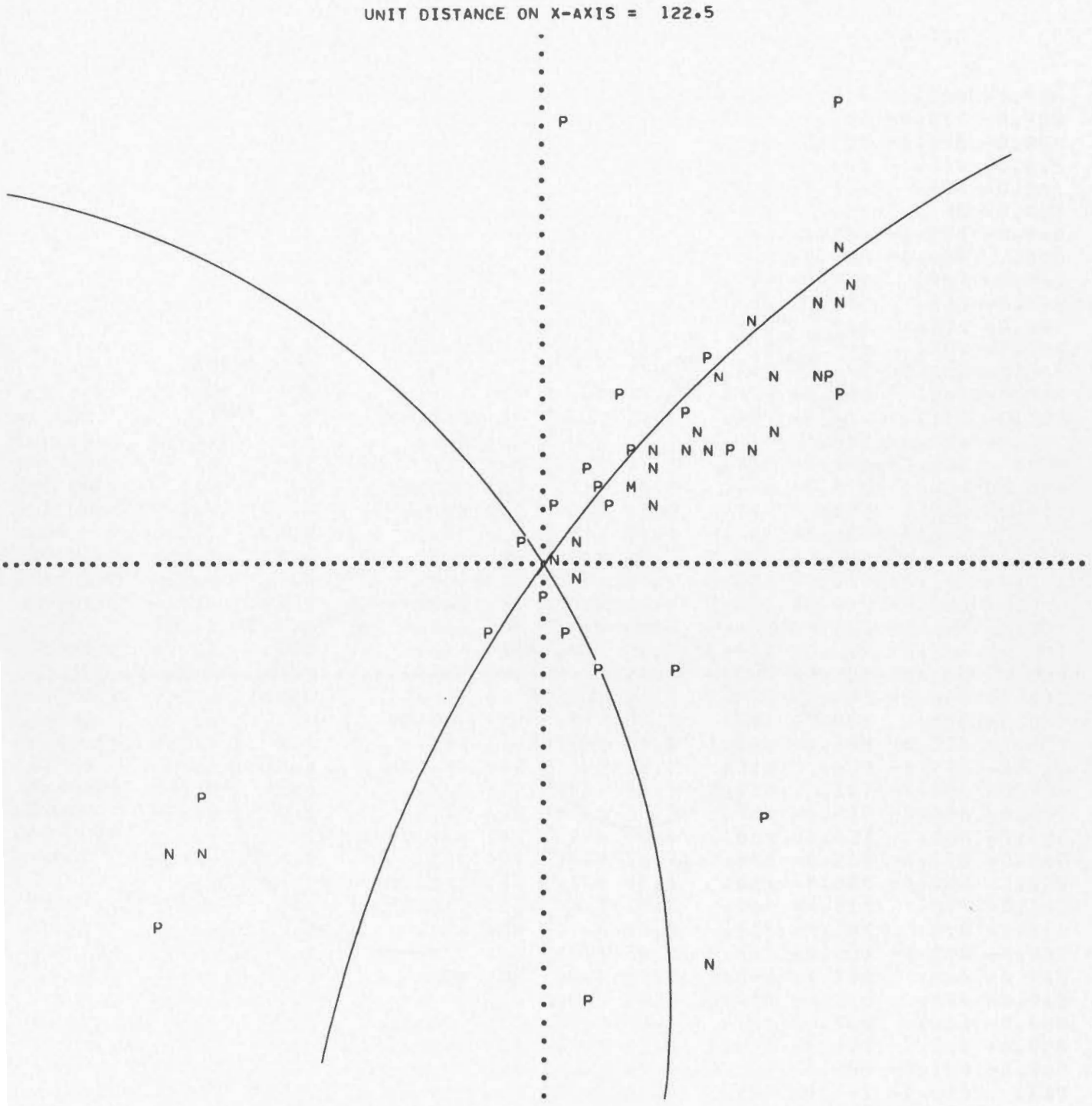
POTSDAM	-16.5	14.9		.822	100	326.7	22.1	2.459	-0.315	-0.206	-0.926
PRUHONIC	-17.8	14.7		.808	100	324.3	21.9	2.493	-0.302	-0.217	-0.928
QUETTA	-19.5	3.4		.439	100	286.4	31.1	1.655	-0.146	-0.496	-0.856
RABAUL	9.4	-8.5		-0.148	-100	147.0	35.4	1.405	.486	.316	-0.815
RESOLUTE	5.2	14.8		.868	100	11.8	25.7	2.081	-0.424	.088	-0.901
RIVERVIE	7.6	-14.0		.058	100	162.1	26.2	2.031	.420	.136	-0.897
ROME	-22.0	15.0		.772	100	319.1	20.0	2.743	-0.259	-0.224	-0.940
SAGA	.5	-0.6		.010	100	332.8	95.2	.090	-0.886	-0.455	.090
SAINT LO	19.2	18.4		.693	100	31.8	18.5	2.983	-0.270	.167	-0.948
SALT LAK	22.7	14.6		.614	100	42.7	20.1	2.735	-0.252	.233	-0.939
SANTA LU	161.3	-18.5		.487	100	101.0	4.3	13.413	.014	.073	-0.997
SAPPORO	2.7	2.5		.365	100	32.6	67.8	.408	-0.779	.499	-0.379
SCORESBY	-4.4	16.5		.899	100	351.0	23.5	2.298	-0.394	-0.062	-0.917
SEATTLE	19.0	12.6		.617	100	41.7	23.2	2.333	-0.294	.262	-0.919
SENDAI	2.7	1.4		-0.123	-100	48.1	73.7	.293	-0.640	.715	-0.282
SHILLONG	-16.2	.0		.165	100	270.2	37.2	1.319	-0.002	-0.604	-0.797
SHIMONOS	.0	-0.2		.379	100	354.1	91.7	.028	-0.994	-0.102	.029
SHIONOMI	1.0	.3		-0.674	-100	65.4	85.0	.088	-0.415	.906	-0.088
SHIZUOKA	1.9	.6		-0.515	-100	60.2	79.8	.180	-0.489	.854	-0.178
SIDA	-7.1	17.8		.877	100	346.7	21.7	2.516	-0.359	-0.085	-0.929
SKALNATE	-18.3	13.6	W	.796	-1	321.3	22.7	2.394	-0.301	-0.241	-0.923
SKALSTUG	-11.0	14.6		.877	100	335.9	24.4	2.203	-0.377	-0.169	-0.911
SODANKYL	-10.0	13.1		.893	100	335.9	26.7	1.987	-0.410	-0.184	-0.893
SOFIA	-21.6	12.6	W	.754	-1	314.7	22.0	2.475	-0.263	-0.266	-0.927
SONNEBER	-17.5	15.3		.813	100	326.0	21.4	2.551	-0.302	-0.204	-0.931
STRASBOU	-18.2	16.1		.809	100	326.2	20.6	2.666	-0.292	-0.195	-0.936
STUTTGAR	-18.2	15.8		.808	100	325.7	20.8	2.635	-0.293	-0.200	-0.935
SUMOTO	.8	.4		-0.291	-100	49.3	85.4	.081	-0.650	.756	-0.081
SVERDLOV	-12.9	9.1		.787	100	319.9	31.4	1.636	-0.399	-0.336	-0.853
TAIPEI	-3.1	-1.3	W	-0.442	100	234.2	72.7	.312	.559	-0.774	-0.298
TANANARI	-33.8	-7.0		.400	100	250.7	18.9	2.920	.107	-0.306	-0.946
TEHRAN	-21.0	6.5		.598	100	297.6	27.3	1.936	-0.212	-0.406	-0.889
TOKUSHIM	.6	.3	W	-0.326	100	50.4	86.4	.063	-0.637	.768	-0.064
TOLEDO	-19.8	18.0		.797	100	326.9	18.7	2.960	-0.268	-0.175	-0.947
TOMIE	.3	-0.1		-0.812	-100	292.6	91.4	.024	-0.385	-0.923	.025
TOYAMA	1.6	1.0		-0.079	-100	43.7	79.5	.186	-0.711	.679	-0.183
TOYOOKA	.8	.6		.021	100	37.8	83.6	.111	-0.785	.610	-0.111
TUBINGEN	-18.3	15.8		.807	100	325.6	20.7	2.643	-0.292	-0.200	-0.935
TUCSON	26.6	13.9		.569	100	48.6	19.0	2.899	-0.216	.244	-0.945
TUCSON T	26.6	13.9		.570	100	48.5	19.0	2.900	-0.216	.244	-0.945
UGLEGORS	3.5	5.0		.747	100	22.2	53.1	.750	-0.740	.303	-0.600
UKIAH	23.2	11.8		.550	100	49.3	21.8	2.499	-0.242	.281	-0.928
UMEA	-11.3	13.7		.876	100	333.9	25.4	2.107	-0.385	-0.188	-0.903
UNZENDAK	2.0	-1.4	W	-0.392	1	320.0	104.4	.257	-0.741	-0.623	.249
UPPSALA	-13.1	14.0		.857	100	331.2	24.3	2.210	-0.361	-0.199	-0.911
UWAJIMA	-0.5	-0.4	W	-0.084	100	37.8	93.7	.064	-0.788	.612	.065
VIENNA	-18.8	14.3		.796	100	322.1	21.8	2.501	-0.293	-0.228	-0.929
VLADIVOS	.2	2.4		.740	100	2.6	71.8	.328	-0.949	.043	-0.312
WAJIMA W	1.5	1.1		.063	100	38.5	78.9	.196	-0.768	.611	-0.193
WAKAYAMA	.8	.4		-0.373	-100	52.6	85.1	.085	-0.605	.791	-0.086
WESTON	10.7	20.8	W	.776	-100	17.0	18.4	3.001	-0.302	.092	-0.949
WITTEVEE	-15.8	16.1		.829	100	329.7	21.3	2.567	-0.313	-0.183	-0.932
WOODY	25.3	12.5		.550	100	50.1	20.4	2.692	-0.223	.267	-0.937
YAKUSHIM	.7	.9		.338	100	204.7	98.2	.144	.899	-0.414	.143
YAMAGATA	2.5	1.4		-0.094	-100	46.7	74.3	.281	-0.660	.701	-0.271
YONAGO	.4	.5		.272	100	25.6	85.3	.083	-0.899	.430	-0.083
YUZHNO S	3.1	3.6		.582	100	27.0	60.7	.560	-0.777	.395	-0.489
ZAGREB	-20.1	14.4		.784	1	320.4	21.2	2.573	-0.279	-0.231	-0.932


UNIT DISTANCE ON X-AXIS = 12.3


UNIT DISTANCE ON X-AXIS = 122.5

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MARCH 7, 1962 H = 11.01.00 19.3S 145.3E DEPTH 680 KM. M = 7

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
AFIAMALU	9.0	-3.7		-0.399	-100	124.6	48.1	.897	.423	.612	-0.668
AIKAWA	-1.0	2.0		-0.039	-100	343.6	73.7	.292	-0.921	-0.270	-0.281
AJIRO	-0.7	1.3		.006	100	342.5	79.3	.189	-0.937	-0.296	-0.187
AKITA	-0.7	2.3		-0.015	-100	349.1	72.1	.323	-0.934	-0.180	-0.308
ALERT	1.1	10.5		-0.642	-100	3.6	34.5	1.455	-0.565	.035	-0.824
ALBERNI	11.6	7.5		-0.468	-100	42.5	35.5	1.402	-0.428	.392	-0.814
APATITY	-6.8	10.4		-0.710	-100	338.8	33.1	1.533	-0.509	-0.198	-0.838
ATHENS	-15.5	9.7	W	-0.736	100	316.6	28.4	1.845	-0.346	-0.327	-0.879
BANFF	11.9	8.7		-0.555	-100	39.0	32.8	1.550	-0.421	.341	-0.840
BENSBERG	-9.9	12.0		-0.778	-100	334.0	28.4	1.847	-0.428	-0.208	-0.880
BERKELEY	15.1	6.7		-0.523	-100	53.3	33.0	1.538	-0.326	.437	-0.838
BOULDER	16.6	7.4		-0.595	-100	53.1	30.5	1.696	-0.305	.406	-0.862
BOZEMAN	14.0	8.9		-0.600	-100	43.1	30.8	1.674	-0.374	.350	-0.859
BUTTE	13.8	8.7		-0.589	-100	43.2	31.2	1.648	-0.378	.355	-0.855
CHINA LA	16.4	7.0		-0.575	-100	54.1	31.2	1.650	-0.304	.419	-0.855
CHITTAGO	-9.7	1.4		-0.001	-100	283.3	50.9	.811	-0.178	-0.756	-0.630
CHOSI	-0.5	1.4	W	.046	-100	347.9	78.8	.198	-0.959	-0.205	-0.195
COLLEGE	5.9	7.1		-0.329	-100	26.2	42.5	1.091	-0.606	.298	-0.737
COLLMBER	-10.6	11.7		-0.772	-100	331.9	28.6	1.832	-0.423	-0.225	-0.878
COLUMBIA	36.6	25.9		-0.959	-100	40.0	12.1	4.658	-0.161	.135	-0.978
COPENHAG	-9.3	11.9		-0.773	-100	335.3	28.9	1.814	-0.438	-0.202	-0.876
DJAKARTA	-7.7	-2.6		.431	100	239.9	54.1	.724	.406	-0.701	-0.587
DURHAM	-7.3	12.7		-0.783	-1	341.1	28.4	1.846	-0.450	-0.154	-0.879
EUREKA	15.5	7.7		-0.578	-100	50.2	31.2	1.648	-0.332	.398	-0.855
FAYETTEV	16.0	9.5		-0.661	-100	45.1	28.4	1.847	-0.336	.337	-0.879
FUKUOKO	-2.2	1.6		-0.045	-100	320.2	74.0	.285	-0.738	-0.616	-0.275
FUKUSHIM	-0.7	1.9		.013	100	348.5	74.9	.270	-0.946	-0.192	-0.261
DE GARCH	-9.9	12.1	W	-0.779	100	334.2	28.4	1.851	-0.428	-0.207	-0.880
GIFU	-1.1	1.5		-0.041	-100	337.0	77.0	.231	-0.897	-0.381	-0.226
GORIS	-15.5	7.6		-0.661	-100	309.8	31.3	1.646	-0.332	-0.399	-0.855
GOTEBORG	-8.7	12.0		-0.772	-100	336.9	29.0	1.803	-0.446	-0.191	-0.875
GUAM	.6	5.3		-0.213	-100	183.7	126.4	.736	.803	-0.052	.593
HACHINOH	-0.5	2.4		.008	100	352.5	71.4	.336	-0.940	-0.124	-0.319
HAKODATE	-0.7	2.6	W	-0.022	100	351.6	69.9	.366	-0.929	-0.138	-0.344
HALIFAX	21.0	31.4	W	-0.963	100	21.6	12.1	4.658	-0.195	.077	-0.978
HALLE	-10.4	11.8	W	-0.773	1	332.5	28.6	1.834	-0.425	-0.221	-0.878
HELSINKI	-9.1	11.2		-0.750	-100	334.3	30.3	1.709	-0.455	-0.219	-0.863
HIROSHIM	-1.9	1.6		-0.062	-100	325.6	75.0	.268	-0.797	-0.545	-0.259
HONG KON	-5.7	.7		.333	100	281.3	64.7	.472	-0.177	-0.887	-0.428
HONOLULU	10.6	1.4		-0.059	-100	77.4	48.4	.887	-0.163	.730	-0.664
HOWRAH	-10.4	1.5	W	-0.066	100	284.0	48.7	.878	-0.182	-0.729	-0.660
HUNGRY H	13.0	8.7		-0.573	-100	41.3	32.0	1.602	-0.397	.349	-0.849
HWALIEN	-4.2	.7		.347	100	286.1	70.3	.357	-0.262	-0.904	-0.337
IRKUTSK	-5.0	4.4		-0.340	-100	325.8	53.9	.730	-0.668	-0.453	-0.590
ISHINOMA	-0.5	2.0		.027	100	350.9	74.0	.285	-0.949	-0.151	-0.275
JENA	-10.5	11.8	W	-0.774	100	332.3	28.5	1.838	-0.423	-0.222	-0.878
JERUSALE	-17.9	7.8		-0.689	-1	306.4	28.8	1.818	-0.286	-0.388	-0.876
KAGOSHIM	-2.1	1.3		.006	100	315.8	76.4	.241	-0.697	-0.678	-0.235
KAJAANI	-7.9	10.9		-0.736	-100	336.9	31.4	1.635	-0.480	-0.205	-0.853
KAKIOKA	-0.6	1.6	W	.022	-100	346.6	77.4	.223	-0.950	-0.226	-0.218
KAMEYAMA	-1.1	1.4	W	-0.041	100	335.4	77.7	.217	-0.888	-0.407	-0.213
KANDILLI	-15.2	9.6		-0.732	-100	316.9	28.8	1.817	-0.352	-0.329	-0.876
KARACHI	-14.8	3.3		-0.403	-100	290.6	37.7	1.292	-0.215	-0.573	-0.791
KEW	-8.3	12.5	W	-0.782	100	338.6	28.4	1.851	-0.442	-0.173	-0.880
KHEIS	-2.7	9.0		-0.610	-100	350.0	38.3	1.267	-0.610	-0.108	-0.785
KIPAPA T	10.5	1.4		-0.052	-100	77.1	48.5	.883	-0.167	.731	-0.662
KIRUNA	-6.3	11.3		-0.738	-100	341.7	31.4	1.641	-0.494	-0.163	-0.854
KOCHI	-1.5	1.4		-0.046	-100	326.2	77.2	.227	-0.810	-0.542	-0.222

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MARCH 7, 1962 H = 11.01.00 19.3S 145.3E DEPTH 680 KM, M = 7

KOUMAC	3.8	-4.5		-0.306	-100	153.6	55.2	.695	.735	.364	-0.571
KUMAGAYA	-0.7	1.6		.002	100	344.4	77.2	.227	-0.939	-0.261	-0.222
KUSHIRO	-0.1	2.8		.041	100	358.7	69.0	.383	-0.933	-0.021	-0.358
KYOTO	-1.3	1.5		-0.051	-100	333.9	76.8	.233	-0.875	-0.428	-0.228
LA PAZ	71.4	-0.2		-0.979	-100	90.3	9.7	5.832	.001	.169	-0.986
LEMBANG	-7.5	-2.7		.436	100	238.4	54.2	.720	.425	-0.691	-0.585
LUBBOCK	17.3	8.4	w	-0.648	100	50.8	28.7	1.828	-0.303	.372	-0.877
LYUBLJAN	-12.2	11.3		-0.767	-100	327.4	28.4	1.847	-0.401	-0.257	-0.879
MAEBASI	-0.8	1.7		-0.007	-100	343.9	76.6	.238	-0.935	-0.270	-0.232
MANHATTA	15.5	9.6		-0.658	-100	43.5	28.6	1.832	-0.347	.330	-0.878
MATSUMOT	-1.0	1.7		-0.029	-100	341.0	76.3	.244	-0.919	-0.316	-0.238
MATSUSHI	-0.9	1.7		-0.027	-100	342.0	75.9	.250	-0.922	-0.300	-0.243
MELBOURN	-0.0	-7.0	w	-0.269	100	180.1	46.1	.962	.720	-0.002	-0.694
MIRNY	-7.0	-12.4		-0.538	-100	198.5	29.0	1.802	.460	-0.154	-0.875
MISHIMA	-0.7	1.3		.001	100	342.1	79.0	.194	-0.934	-0.301	-0.191
MITO	-0.6	1.6		.028	100	347.5	77.2	.226	-0.952	-0.212	-0.221
MIYAKO	-0.5	2.3		.030	100	353.1	72.6	.314	-0.947	-0.115	-0.300
MONTREAL	10.4	11.9		-0.699	-100	27.3	28.4	1.851	-0.422	.218	-0.880
MORIOKA	-0.6	2.3	W	.009	-100	351.3	72.3	.318	-0.942	-0.143	-0.304
MUROTOMI	-1.4	1.3	W	-0.039	100	327.0	78.3	.206	-0.821	-0.533	-0.202
MOSCOW	-10.8	9.9		-0.719	-100	327.1	31.6	1.627	-0.440	-0.284	-0.852
MOULD BA	4.0	9.3		-0.538	-100	14.5	37.1	1.322	-0.584	.150	-0.798
MOUNT HA	15.3	6.7		-0.531	-100	53.7	32.7	1.555	-0.320	.436	-0.841
MOUNT WI	16.7	6.8		-0.576	-100	55.7	31.1	1.655	-0.291	.427	-0.856
MUNDARIN	-5.9	-6.3		-0.000	-100	208.9	45.3	.988	.622	-0.344	-0.703
NAGANO	-1.0	1.8	W	-0.028	100	342.1	75.7	.255	-0.922	-0.298	-0.248
NAGOYA	-1.1	1.5		-0.036	-100	337.1	77.5	.221	-0.900	-0.380	-0.216
NEMURO	.1	2.8		.062	100	.9	68.7	.390	-0.931	.015	-0.364
NORD	-0.9	10.8		-0.675	-100	357.3	33.8	1.492	-0.556	-0.026	-0.831
NOUMEA	4.2	-4.8		-0.340	-100	152.2	53.4	.743	.710	.374	-0.597
NURMIIJA	-8.9	11.2		-0.750	-100	334.7	30.3	1.708	-0.457	-0.216	-0.863
OITA	-1.9	1.5		-0.040	-100	321.6	75.6	.256	-0.759	-0.601	-0.249
ONAHOMA	-0.6	1.7		.033	100	349.0	76.4	.242	-0.954	-0.185	-0.236
OSAKA	-1.3	1.5		-0.050	-100	332.6	77.2	.226	-0.866	-0.449	-0.221
OSHIMA	-0.6	1.2	W	.016	-100	342.9	80.2	.173	-0.942	-0.290	-0.171
PALOMAR	17.1	6.8		-0.588	-100	56.2	30.7	1.682	-0.284	.424	-0.860
PASADENA	16.7	6.7		-0.575	-100	55.8	31.2	1.653	-0.291	.428	-0.856
PENTICTO	12.2	8.1		-0.521	-100	41.6	33.8	1.495	-0.416	.369	-0.831
PETROPAV	1.7	3.9		.069	100	14.2	61.0	.554	-0.848	.214	-0.485
PORT MOR	.4	-3.4		.036	100	175.8	65.0	.466	.904	.067	-0.423
PORT VIL	4.6	-4.2		-0.318	-100	146.8	55.6	.685	.690	.452	-0.566
PRUHONIC	-11.1	11.5	W	-0.770	100	330.3	28.6	1.834	-0.416	-0.237	-0.878
QUETTA	-13.9	4.0		-0.434	-100	296.0	38.3	1.267	-0.272	-0.557	-0.785
RAPID CI	14.6	9.6	W	-0.640	100	42.1	29.4	1.775	-0.364	.329	-0.871
RESOLUTE	4.3	10.5		-0.620	-100	13.6	33.8	1.496	-0.540	.130	-0.831
REYKJAVI	-2.2	13.1		-0.769	-100	354.3	28.8	1.821	-0.479	-0.048	-0.877
RIVERVIE	1.2	-6.4	W	-0.281	100	173.7	48.5	.884	.744	.082	-0.663
SALT LAK	15.5	8.3		-0.604	-100	47.8	30.4	1.704	-0.340	.375	-0.863
SAN JUAN	39.7	26.9	W	-0.965	100	41.2	11.5	4.926	-0.150	.131	-0.980
SAPPORO	-0.6	2.8		-0.023	-100	353.2	68.7	.389	-0.925	-0.111	-0.363
SCORESBY	-1.6	12.7	W	-0.752	100	355.7	29.7	1.756	-0.493	-0.037	-0.869
SEMIPALA	-8.4	5.4	W	-0.463	100	317.7	44.6	1.015	-0.519	-0.472	-0.713
SERRA DO	-21.3	31.6	W	-0.958	1	338.3	12.0	4.698	-0.193	-0.077	-0.978
SHASTA	14.3	7.0		-0.513	-100	50.6	33.5	1.512	-0.350	.426	-0.834
SHIZUOKA	-0.8	1.3		-0.009	-100	340.5	79.0	.195	-0.925	-0.328	-0.192
SIDA	-2.9	13.1		-0.771	-100	352.6	28.8	1.820	-0.477	-0.062	-0.877
SIMFEROP	-14.3	9.6		-0.726	-100	318.5	29.5	1.764	-0.369	-0.327	-0.870
SITKA	8.6	7.2		-0.371	-100	35.3	39.5	1.213	-0.519	.367	-0.772
SODANKYL	-6.7	10.9		-0.728	-100	339.9	32.0	1.598	-0.498	-0.182	-0.848
SOFIA	-14.2	10.3	W	-0.747	1	320.7	28.6	1.833	-0.370	-0.303	-0.878

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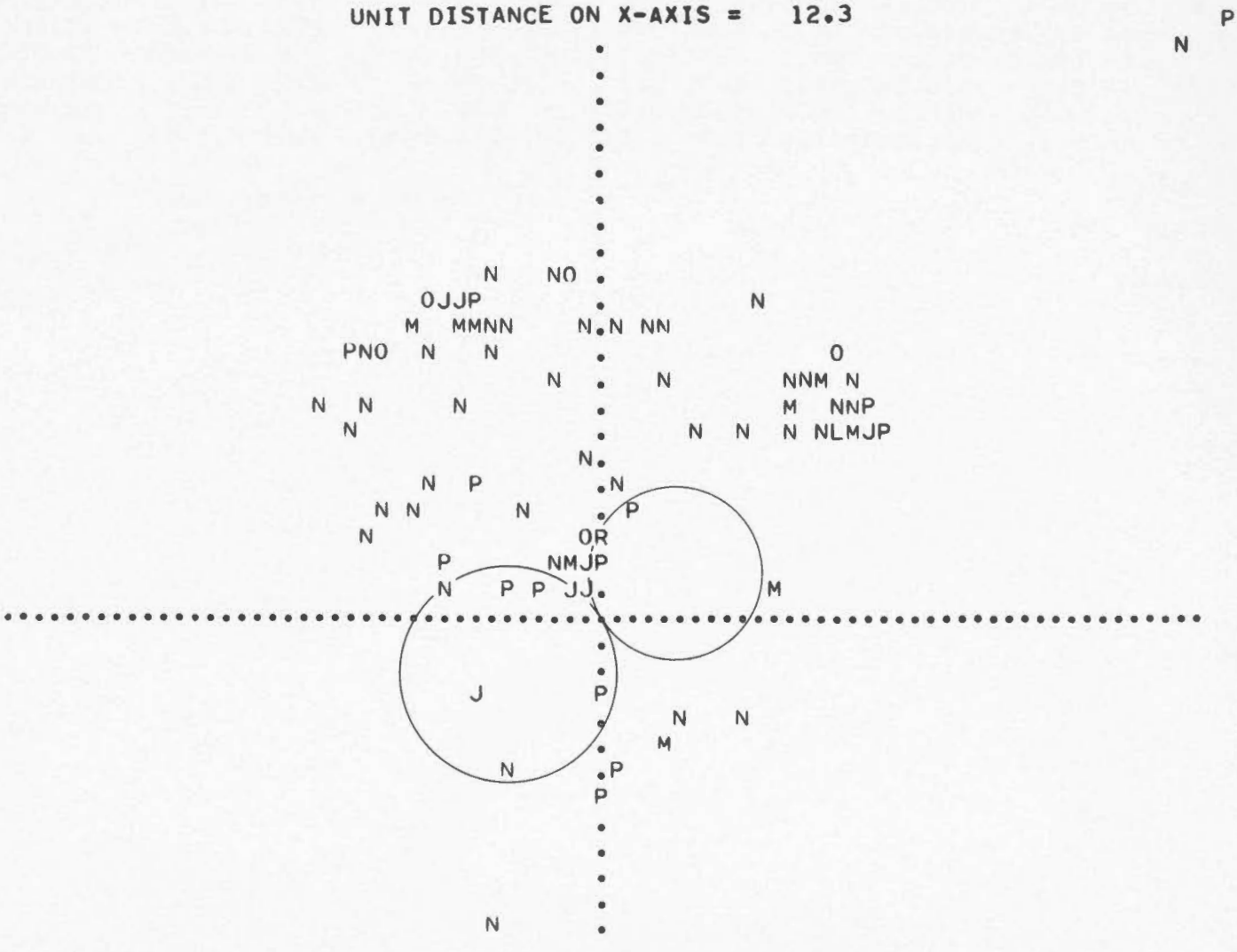
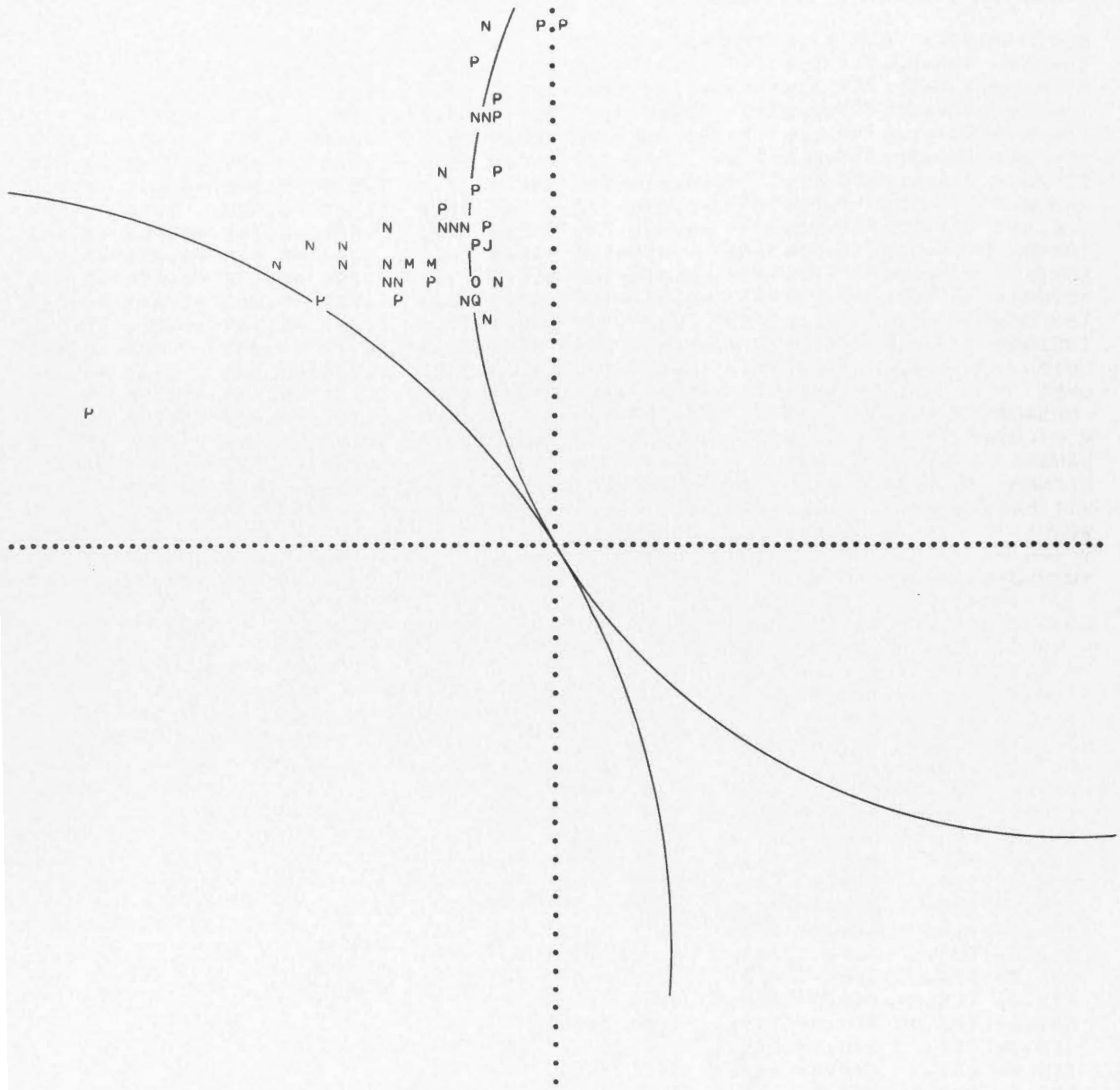
MARCH 7, 1962 H = 11.01.00 19.3S 145.3E DEPTH 680 KM. M = 7

SOUTH PO	0	33.6		-0.965	-100	0	12.2	4.639	-0.211	0 -0.978
SUMOTO	-1.4	1.4		-0.051	-100	330.8	77.2	.227	-0.851	-0.476 -0.222
SVERDLOV	-9.1	7.6		-0.608	-100	324.6	38.0	1.279	-0.502	-0.356 -0.788
TASHKENT	-11.5	5.2		-0.480	-100	307.6	40.2	1.181	-0.394	-0.512 -0.763
TAKAMATS	-1.5	1.5		-0.056	-100	328.9	76.5	.240	-0.832	-0.503 -0.234
TANGERAN	-7.7	-2.6	W	.426	-100	240.0	53.9	.728	.404	-0.700 -0.589
TEHRAN	-15.9	6.5		-0.616	-100	304.8	32.3	1.579	-0.306	-0.439 -0.845
THULE	2.6	11.4		-0.675	-100	7.5	32.2	1.587	-0.528	.070 -0.846
TIKSI	-1.2	6.4		-0.395	-1	353.6	48.5	.884	-0.744	-0.083 -0.663
TOKYO	-0.7	1.4	W	.016	-100	345.0	78.3	.207	-0.946	-0.254 -0.203
TOMIE	-2.5	1.5		-0.015	-100	315.3	73.5	.296	-0.682	-0.674 -0.285
TOYOOKA	-1.5	1.7		-0.066	-100	332.7	75.3	.262	-0.860	-0.443 -0.254
TSUKUBA	-0.6	1.6		.020	100	346.4	77.4	.223	-0.949	-0.229 -0.218
TUCSON	17.8	7.3	W	-0.624	100	55.3	29.4	1.772	-0.280	.404 -0.871
UKIAH	14.6	6.7		-0.508	-100	52.3	33.6	1.506	-0.338	.437 -0.833
UMEA	-7.6	11.5		-0.752	-100	338.6	30.5	1.700	-0.472	-0.185 -0.862
UPPSALA	-8.6	11.7		-0.763	-100	336.4	29.6	1.761	-0.452	-0.198 -0.870
VICTORIA	12.0	7.6		-0.483	-100	43.1	34.9	1.432	-0.418	.391 -0.820
WARSAK	-12.4	4.2		-0.409	-100	299.5	40.7	1.162	-0.322	-0.567 -0.758
VIENNA	-11.9	11.3		-0.766	-100	328.2	28.6	1.835	-0.406	-0.252 -0.878
WITTEVEE	-9.2	12.2		-0.778	-100	335.9	28.5	1.840	-0.436	-0.195 -0.879
WOODY	16.2	6.8		-0.565	-100	54.5	31.6	1.627	-0.304	.426 -0.852
YOKOHAMA	-0.7	1.4		.016	100	344.4	78.8	.198	-0.945	-0.264 -0.195
YUZHNO S	-0.3	3.3	W	-0.039	100	356.5	65.7	.451	-0.909	-0.056 -0.412

UNIT DISTANCE ON X-AXIS = 12.3



UNIT DISTANCE ON X-AXIS = 122.5



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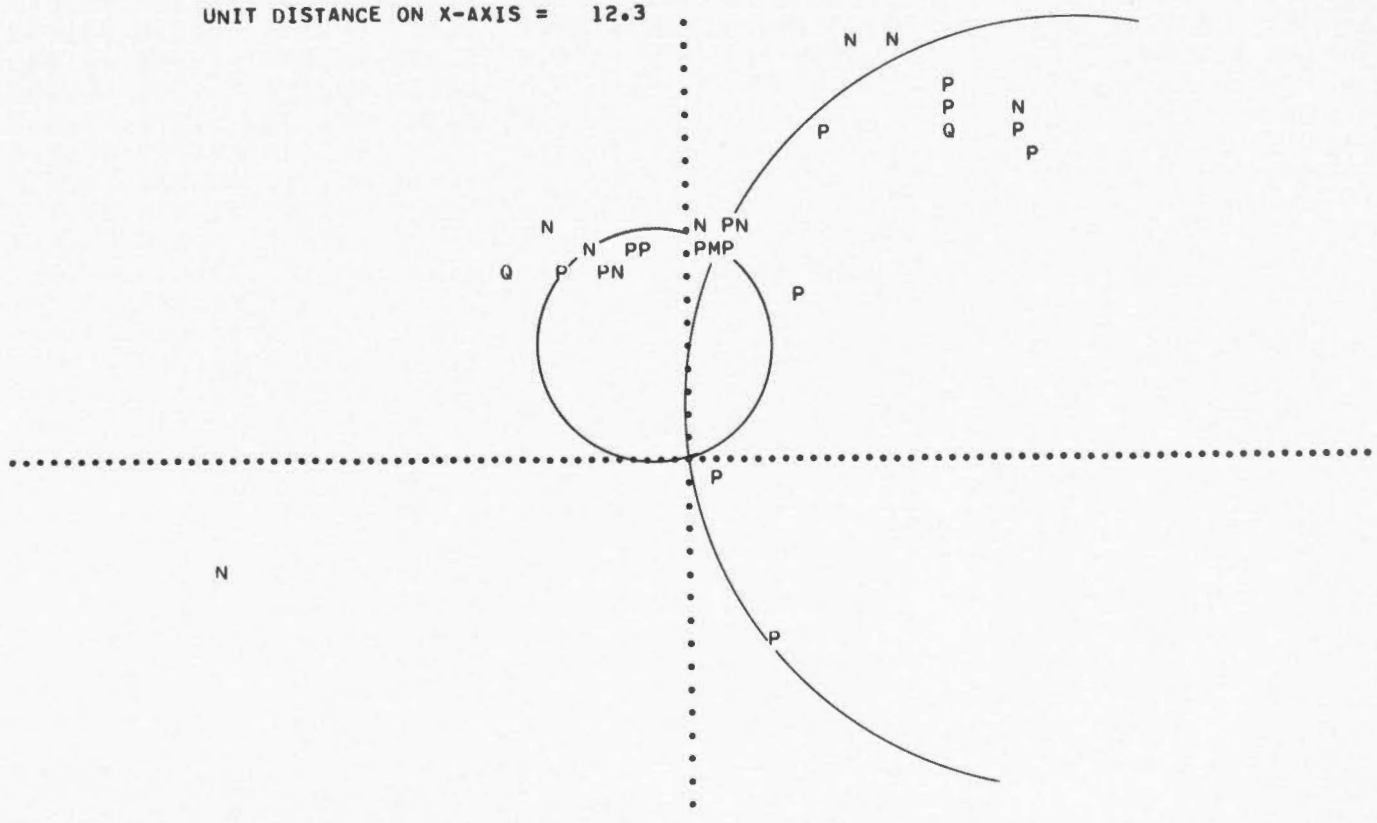
MARCH 12, 1962 H = 11.40.13 8.1N 83.0W DEPTH 58 KM. M = 6.7

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ALBUQUER	-9.3	7.7		.001	100	324.5	37.4	1.305	-0.495	-0.353	-0.794
AREQUIPA	6.0	-7.6		.056	100	155.1	40.8	1.158	.593	.275	-0.757
BERMUDA	8.0	7.4		.054	100	32.7	39.5	1.214	-0.535	.343	-0.772
BERKELEY	-12.6	7.7	W	-0.083	100	316.0	34.1	1.477	-0.403	-0.389	-0.828
CHINCHIN	2.4	-0.6		.977	100	112.9	77.8	.215	.380	.901	-0.211
CLEVELAN	.6	9.3		.001	100	2.0	37.8	1.287	-0.613	.022	-0.790
COPENHAG	18.7	16.1		.018	100	34.4	20.3	2.696	-0.287	.196	-0.938
DALLAS	-6.2	7.7		.053	100	334.4	40.4	1.173	-0.585	-0.280	-0.761
DE BILT	19.4	14.4		.042	100	38.4	21.5	2.544	-0.286	.227	-0.931
FLORENCE	24.2	13.7		.058	100	46.3	20.1	2.735	-0.237	.248	-0.939
FLORISSA	-3.0	8.9		.019	100	348.8	38.7	1.250	-0.613	-0.121	-0.781
KEW	18.6	13.5		.054	100	39.2	22.6	2.404	-0.298	.243	-0.923
MOUNT HA	-12.5	7.6	W	-0.081	100	315.7	34.3	1.465	-0.403	-0.394	-0.826
MONTREAL	3.1	9.7		.001	100	10.7	36.3	1.362	-0.581	.110	-0.806
PALISADE	3.4	9.2		.002	100	12.4	37.7	1.295	-0.596	.132	-0.792
REYKJAVI	10.5	13.9		.013	100	24.1	25.5	2.098	-0.393	.175	-0.903
ROLLA	-3.6	8.7		.025	100	346.2	38.9	1.239	-0.610	-0.150	-0.778
ROME	25.2	13.5		.061	100	48.0	19.8	2.773	-0.227	.252	-0.941
WITTEVEE	19.3	14.8		.037	100	37.7	21.2	2.580	-0.286	.221	-0.932
APIA	-33.7	-4.9		-0.567	-100	256.2	19.4	2.832	.079	-0.323	-0.943
FAYETTEV	-4.7	8.4	W	.034	-100	341.6	39.3	1.221	-0.601	-0.200	-0.774
GEORGETO	2.4	8.9		-0.000	-100	9.0	38.7	1.247	-0.618	.098	-0.780
KIRUNA	12.4	18.4		-0.026	-100	21.7	20.1	2.736	-0.319	.127	-0.939
LEMBANG	-283.8	18.3		-0.292	-100	276.2	2.5	23.304	-0.005	-0.042	-0.999
LYUBLJAN	23.6	14.7	W	.044	-100	43.7	19.7	2.794	-0.244	.232	-0.942
LONDON	.7	9.5		-0.000	-100	2.3	37.3	1.314	-0.605	.025	-0.796
PENTICTO	-9.7	9.9		-0.056	-100	329.9	32.4	1.577	-0.463	-0.268	-0.845
RAPID CI	-6.6	9.3		-0.003	-100	337.2	35.8	1.387	-0.539	-0.227	-0.811
STATE CO	2.0	9.2		-0.000	-100	7.2	38.0	1.280	-0.611	.077	-0.788
SEVEN FA	3.8	9.8	W	.003	-1	12.9	35.7	1.391	-0.569	.130	-0.812
UMEA	14.7	18.1		-0.015	-100	25.6	19.9	2.769	-0.306	.147	-0.941



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JUNE 18, 1962 H = 23.42.31 4.8S 151.8E DEPTH 47 KM. M = 6.7

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ADELAIDE	-5.4	-8.3		.088	100	200.9	39.1	1.229	.589	-0.225	-0.776
AFIAMALU	15.3	-2.7	W	-0.585	100	106.6	37.5	1.301	.174	.584	-0.793
ALMATA-A	-21.6	12.7		.310	100	314.8	21.9	2.484	-0.263	-0.265	-0.928
ATHENS	-64.3	34.9	W	.153	-100	312.5	8.0	7.118	-0.094	-0.102	-0.990
BALBOA	88.0	6.8		-0.026	-100	82.5	7.9	7.244	-0.018	.135	-0.991
BANDEIRA	-81.2	-23.9		.056	100	243.6	7.7	7.399	.060	-0.120	-0.991
BENSBERG	-40.1	46.4		.164	100	332.9	7.9	7.186	-0.123	-0.063	-0.990
BERKELEY	26.4	12.2		.018	100	52.1	20.1	2.730	-0.211	.271	-0.939
BERMUDA	66.8	37.0		.056	100	46.9	7.6	7.473	-0.091	.097	-0.991
BOULDER	28.4	12.0		.002	100	54.5	19.3	2.854	-0.192	.269	-0.944
BOZEMAN	24.9	14.9	W	.078	-100	44.7	19.1	2.889	-0.232	.230	-0.945
BUTTE	24.7	14.9		.081	100	44.4	19.2	2.879	-0.234	.229	-0.945
CANBERRA	-1.2	-8.6	W	.095	-100	184.8	40.0	1.192	.640	-0.054	-0.766
CARTUJA	-49.6	47.8	W	.154	-1	328.5	7.4	7.736	-0.109	-0.067	-0.992
CARTUJA	-26.9	26.0	W	.246	-1	328.5	13.4	4.200	-0.198	-0.121	-0.973
CHATEAU	7.9	-8.6		-0.197	-100	151.3	36.6	1.348	.522	.286	-0.803
CHINA LA	28.1	11.9	W	.001	-100	54.5	19.6	2.815	-0.194	.272	-0.942
CHITTAGO	-20.5	6.3		.214	100	297.4	28.0	1.882	-0.216	-0.416	-0.883
COLLEGE	11.3	16.6	W	.276	-100	22.0	22.0	2.470	-0.348	.140	-0.927
DUSHAMBE	-25.5	12.2		.270	100	309.0	20.5	2.675	-0.220	-0.272	-0.937
EUREKA	27.0	13.0		.030	100	50.9	19.4	2.842	-0.209	.257	-0.943
FLAMING	27.0	13.7	W	.041	-100	49.5	19.0	2.901	-0.212	.248	-0.945
FRUNSE	-22.5	12.8		.301	100	313.8	21.4	2.547	-0.253	-0.263	-0.931
GORIS	-27.6	13.5		.260	100	309.5	18.9	2.921	-0.206	-0.250	-0.946
GUAM	-3.9	5.8		.764	100	338.6	49.2	.863	-0.705	-0.276	-0.654
HALLE	-41.7	45.3	W	.165	-1	331.4	8.0	7.123	-0.122	-0.066	-0.990
HOWRAH	-21.6	6.4	W	.210	-100	296.6	26.9	1.974	-0.202	-0.404	-0.892
IRKUTSK	-12.0	12.9		.441	100	331.0	26.2	2.031	-0.386	-0.214	-0.897
KHEIS	-5.8	20.4		.356	100	350.5	19.3	2.855	-0.326	-0.054	-0.944
KOUMAC	6.2	-5.0		-0.255	-100	143.5	49.7	.849	.613	.453	-0.647
KUMAMOTO	-7.6	8.9		.579	100	333.2	35.9	1.380	-0.523	-0.265	-0.810
LEMBANG	-17.1	-0.8	W	-0.072	100	265.2	35.5	1.401	.048	-0.579	-0.814
MATSUSHI	-4.8	9.7		.639	100	343.7	35.8	1.388	-0.561	-0.164	-0.812
MAWSON	-12.1	-17.3		-0.013	-100	202.5	21.2	2.583	.333	-0.138	-0.933
MESSINA	-61.4	37.8		.155	100	316.1	7.9	7.236	-0.099	-0.095	-0.991
MONTREAL	52.6	41.3		.081	100	37.0	8.0	7.132	-0.111	.084	-0.990
MOUNT HA	26.7	12.0	W	.013	-100	52.7	20.0	2.741	-0.208	.272	-0.940
MUNDARIN	-12.4	-6.9		-0.026	-100	226.8	35.8	1.385	.400	-0.427	-0.811
NHATRANG	-16.2	3.9		.130	100	292.2	35.0	1.427	-0.216	-0.531	-0.819
NOUMEA	7.4	-5.6		-0.292	-100	142.3	45.4	.984	.564	.435	-0.702
PENTICTO	22.5	15.4	W	.109	-100	40.9	19.6	2.804	-0.254	.220	-0.942
PETROPAV	1.7	12.3		.525	100	4.7	30.5	1.696	-0.506	.042	-0.862
PORT MOR	-1.1	-0.6	W	-0.070	100	227.2	82.9	.124	.675	-0.728	-0.124
PORT VIL	8.5	-4.2		-0.491	-100	129.9	47.8	.907	.474	.568	-0.672
PRUHONIC	-45.2	44.1	W	.164	-100	328.8	8.0	7.116	-0.119	-0.072	-0.990
QUETTA	-28.4	9.8	W	.226	-100	300.3	20.4	2.688	-0.176	-0.301	-0.937
RABAUL	-6.3	-12.9		.006	100	16.0	151.7	1.858	-0.455	.131	.881
RAPID CI	25.7	14.7		.069	100	45.9	18.9	2.920	-0.225	.233	-0.946
REYKJAVI	-4.7	51.3	W	.156	-100	356.9	8.0	7.081	-0.139	-0.008	-0.990
RIVERVIE	-0.4	-8.4		.093	100	181.4	40.8	1.159	.653	-0.016	-0.757
ROME	-54.9	41.2		.159	100	321.7	7.9	7.238	-0.107	-0.085	-0.991
SALT LAK	26.9	13.5		.040	100	49.7	19.1	2.884	-0.212	.250	-0.945
SAN JUAN	86.9	21.8		.010	100	67.0	7.4	7.705	-0.050	.118	-0.992
SCORESBY	-3.3	50.5		.157	100	357.8	8.2	6.976	-0.142	-0.006	-0.990
SCOTT BA	1.8	-15.5		-0.065	-100	176.1	24.9	2.149	.421	.029	-0.907
SEMIPALA	-18.6	14.1		.347	100	322.2	22.0	2.471	-0.296	-0.230	-0.927
SHAWINIG	50.8	42.1		.084	100	35.6	8.0	7.131	-0.113	.081	-0.990

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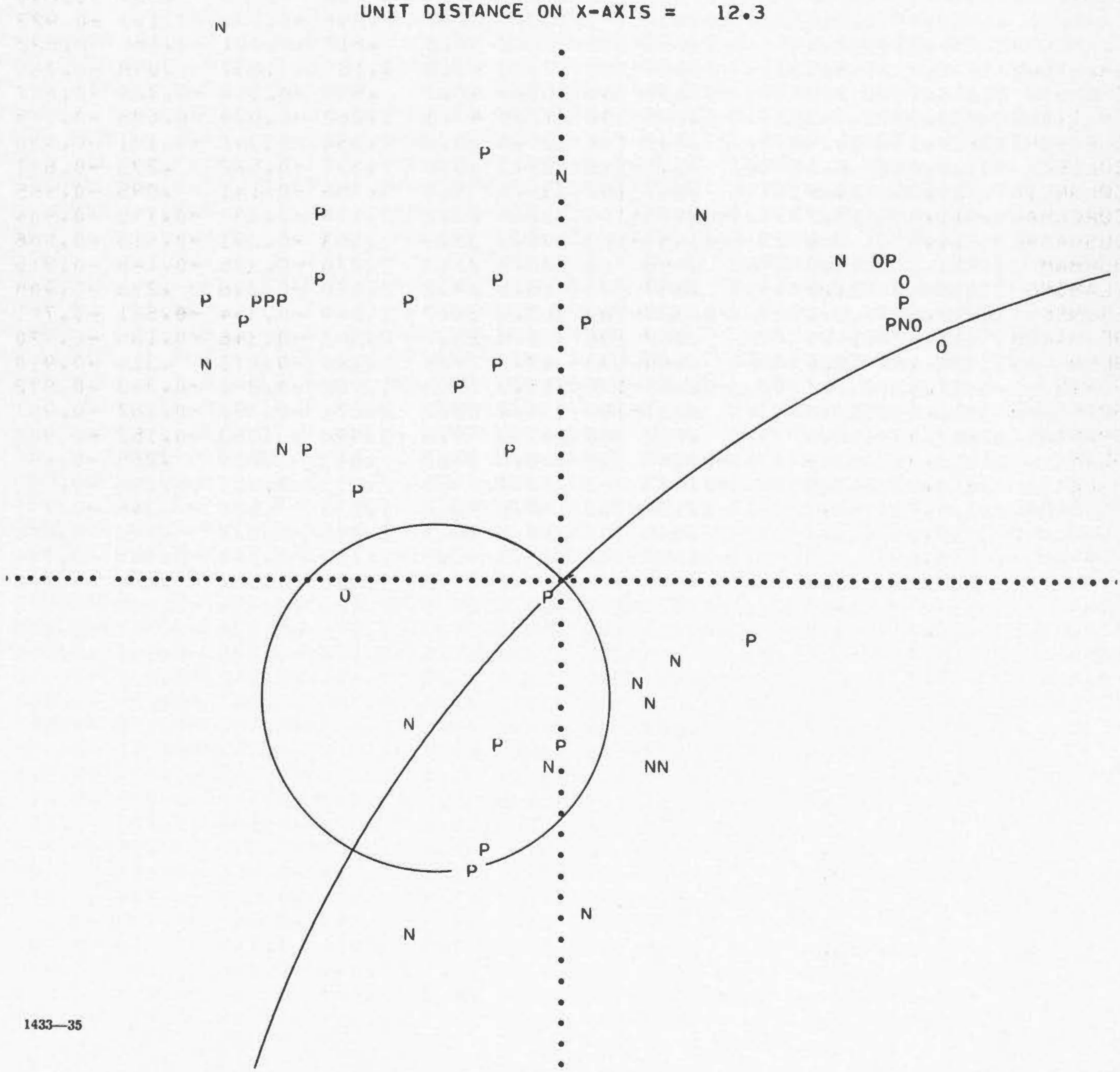
JUNE 18, 1962 H = 23.42.31 4.8S 151.8E DEPTH 47 KM. M = 6.7

SOFIA	-58.4	38.0	W	.158	-1	317.7	8.0	7.086	-0.103	-0.094	-0.990
SOUTH PO	0	18.7	W	.374	-100	0	21.2	2.582	-0.361	0	-0.933
SVERDLOV	-19.2	17.2		.328	100	326.5	19.4	2.845	-0.276	-0.183	-0.943
TANGERAN	-17.3	-0.7		-0.065	-100	266.2	35.2	1.416	.039	-0.575	-0.817
TASHKENT	-24.5	12.9		.283	100	311.7	20.5	2.675	-0.233	-0.261	-0.937
TRINIDAD	99.1	12.2		-0.008	-100	78.2	6.9	8.265	-0.025	.117	-0.993
TUCSON	30.1	11.0		-0.026	-100	58.3	19.1	2.892	-0.172	.278	-0.945
TUCSON T	30.1	11.1	W	-0.025	100	58.2	19.1	2.893	-0.172	.277	-0.945
WASHINGT	62.5	36.3	W	.059	-1	45.5	8.0	7.149	-0.097	.099	-0.990
WELLINGT	7.4	-8.9		-0.170	-100	153.9	36.2	1.365	.530	.260	-0.807
VIENNA	-48.4	42.9		.163	100	326.3	8.0	7.117	-0.116	-0.077	-0.990
WILKES	-7.0	-13.6	W	-0.000	100	196.8	27.0	1.965	.434	-0.131	-0.891
YAKUTSK	-4.9	14.3		.488	100	348.5	26.5	2.009	-0.436	-0.089	-0.895

UNIT DISTANCE ON X-AXIS = 12.3



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DECEMBER 7, 1962 H = 14.03.37 29.2N 139.2E DEPTH 400 KM. M = 7

STATION	X-COORD	Y-COORD		AMP	POL	AZM	EMG	EXT	STATION DIR. COSINES		
ADELAIDE	-0.2	-10.9		-0.012	-100	180.6	33.5	1.510	.552	-0.005	-0.834
AFIAMALU	15.1	-6.3		.141	100	125.3	33.5	1.510	.319	.451	-0.834
ALMATA-B	-12.3	4.9	W	-0.547	100	303.8	39.7	1.205	-0.356	-0.530	-0.770
APATITY	-8.0	10.9		-0.049	-100	336.7	31.4	1.639	-0.478	-0.206	-0.854
ATHENS	-19.9	11.6		-0.139	-100	314.5	23.7	2.275	-0.282	-0.287	-0.916
BALBOA	57.1	27.9		.382	100	50.4	9.4	6.050	-0.104	.126	-0.987
BELGRADE	-17.0	12.6		-0.099	-1	321.3	24.2	2.222	-0.320	-0.256	-0.912
BLUE MOU	16.6	9.9		.702	100	44.7	27.4	1.925	-0.327	.324	-0.887
BOULDER	20.6	9.7		.670	100	51.5	25.0	2.147	-0.263	.331	-0.907
BOZEMAN	16.7	11.1		.670	100	41.8	26.0	2.046	-0.327	.293	-0.899
BRISBANE	4.2	-9.6	W	-0.051	100	165.5	36.1	1.369	.571	.148	-0.808
BUTTE	16.5	10.8	W	.678	-100	42.1	26.5	2.007	-0.331	.299	-0.895
BYRD	14.4	-42.3		.175	100	168.6	9.5	5.951	.162	.033	-0.986
CALISTOG	18.5	8.5	W	.715	-100	52.2	27.6	1.910	-0.284	.366	-0.886
CANBERRA	2.9	-11.0		-0.016	-100	171.2	33.1	1.536	.539	.084	-0.838
CARTUJA	-14.7	15.0		-0.000	-1	330.0	22.7	2.395	-0.334	-0.193	-0.923
CHANGCHU	-4.3	3.6		-0.680	-100	325.3	58.5	.612	-0.701	-0.486	-0.522
CHARTERS	2.2	-8.5		-0.080	-100	171.3	40.2	1.185	.637	.098	-0.764
CHENGTU	-10.7	1.3		-0.637	-100	281.9	48.1	.895	-0.154	-0.729	-0.667
CHITTAGO	-13.0.	.3		-0.488	-100	272.0	43.3	1.062	-0.024	-0.685	-0.728
CLERMONT	-14.1	14.9		.002	100	330.8	23.0	2.354	-0.341	-0.191	-0.920
COLLEGE	8.0	8.5	W	.743	-100	29.3	36.8	1.337	-0.522	.293	-0.801
COLUMBIA	39.6	34.8		.367	100	34.0	9.8	5.786	-0.141	.095	-0.985
COPENHAG	-11.8	13.7		-0.010	-100	332.8	25.3	2.118	-0.380	-0.195	-0.904
DUSHAMBE	-14.5	4.9		-0.487	-100	299.5	36.3	1.363	-0.291	-0.515	-0.806
DURHAM	-10.2	15.3	W	.068	-1	338.5	23.8	2.270	-0.375	-0.148	-0.915
FLAMING	18.8	11.1		.657	100	45.0	24.7	2.170	-0.296	.296	-0.908
FRUNSE	-12.8	5.0		-0.527	-100	303.4	38.7	1.249	-0.344	-0.521	-0.781
DE GARCH	-13.6	14.9		.009	100	331.8	23.1	2.340	-0.346	-0.186	-0.920
GLEN CAN	20.4	10.4	W	.660	-100	49.3	24.5	2.194	-0.271	.314	-0.910
GORIS	-17.5	7.7		-0.305	-100	306.5	29.3	1.782	-0.291	-0.393	-0.872
GOTEBORG	-11.0	13.6	W	.001	-100	334.4	25.7	2.074	-0.392	-0.187	-0.901
GRAHAMST	-67.8	-16.6		.052	100	247.5	9.5	5.990	.063	-0.152	-0.986
GUAM	2.3	-3.9	W	-0.361	100	160.8	60.2	.573	.819	.285	-0.498
HALLE	-13.5	13.9		-0.023	-1	330.1	24.3	2.213	-0.357	-0.205	-0.911
HONIARA	6.7	-6.7		-0.154	-100	149.5	43.0	1.071	.588	.346	-0.731
HONOLULU	16.3	1.3		.625	100	82.5	36.7	1.344	-0.078	.592	-0.802
HOWRAH	-13.6	.5		-0.492	-100	273.9	41.9	1.113	-0.045	-0.667	-0.744
HUNGRY H	15.4	10.6	W	.687	-100	40.6	27.3	1.934	-0.348	.299	-0.888
JENA	-13.7	14.0		-0.024	-100	329.9	24.2	2.226	-0.354	-0.205	-0.912
JERUSALE	-22.0	8.8		-0.216	-1	304.0	24.7	2.171	-0.234	-0.347	-0.908
KANDILLI	-18.7	10.9		-0.165	-100	314.5	25.0	2.144	-0.296	-0.301	-0.906
KARACHI	-17.7	2.8		-0.431	-100	284.8	33.7	1.496	-0.142	-0.537	-0.832
KARLSRUH	-14.0	14.4	W	-0.013	100	330.1	23.6	2.286	-0.347	-0.200	-0.916
KEVO	-7.0	11.3		.003	100	340.0	31.0	1.663	-0.484	-0.176	-0.857
KEW	-11.5	15.3	W	.047	-100	336.0	23.4	2.312	-0.363	-0.161	-0.918
KHEIS	-3.2	10.0		.108	100	349.2	35.3	1.410	-0.568	-0.109	-0.816
KISHINEV	-16.1	11.2		-0.151	-100	319.6	26.2	2.031	-0.336	-0.286	-0.897
KOCHI	3.1	-1.6		-0.678	-100	312.1	108.6	.336	-0.636	-0.703	.319
KOUMAC	7.7	-8.3	W	-0.065	100	151.1	37.5	1.305	.532	.294	-0.794
KUMAMOTO	2.2	-0.7		-0.667	-100	297.4	101.3	.199	-0.451	-0.871	.195
KUNMING	-11.3	.1		-0.512	-100	271.3	47.3	.924	-0.016	-0.734	-0.679
KURILISK	2.6	4.0		.736	100	21.0	59.1	.597	-0.801	.308	-0.513
LA PAZ	89.4	20.3		.346	100	69.0	7.3	7.816	-0.045	.118	-0.992
LUBBOCK	21.1	11.6		.631	100	47.1	23.1	2.349	-0.266	.287	-0.920
LEMBERG	-15.0	12.1		-0.108	-100	323.8	25.8	2.067	-0.351	-0.257	-0.900
LWIRO	-29.0	2.5		-0.207	-100	278.2	22.7	2.395	-0.055	-0.381	-0.923

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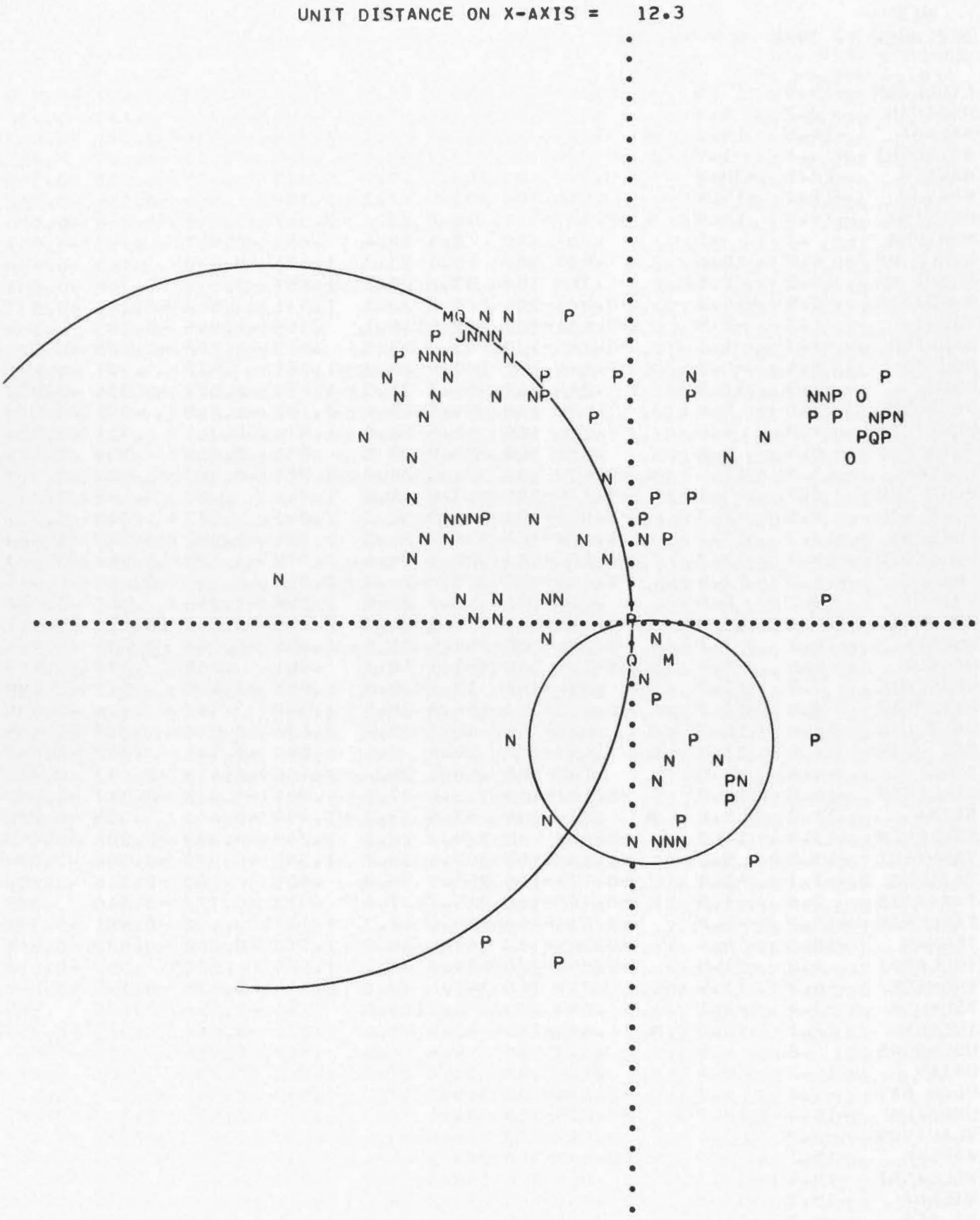
DECEMBER 7, 1962 H = 14.03.37 29.2N 139.2E DEPTH 400 KM. M = 7

LYUBLJAN	-15.9	13.5	W	-0.060	100	325.1	23.7	2.272	-0.330	-0.231	-0.915
MAGADAN	2.2	6.4		.528	100	11.4	47.8	.905	-0.727	.147	-0.671
MALAGA	-14.5	15.1	W	.003	-1	330.3	22.7	2.395	-0.335	-0.191	-0.923
MATSUSHI	.4	-1.9	W	-0.226	100	353.7	105.1	.268	-0.960	-0.107	.260
MAWSON	-28.5	-38.8		.107	100	203.5	9.7	5.829	.155	-0.067	-0.986
MAWSON	-11.7	-15.9		.016	100	203.5	22.7	2.395	.354	-0.154	-0.922
MESSINA	-18.9	12.8	W	-0.097	100	318.8	23.1	2.347	-0.295	-0.258	-0.920
MORIOKA	.1	.5		.257	100	8.4	86.4	.063	-0.987	.146	-0.063
MOULD BA	4.8	10.6		.537	100	15.1	33.3	1.521	-0.530	.143	-0.836
MOUNT HA	19.2	8.5		.705	100	53.2	27.1	1.957	-0.273	.364	-0.891
MUNDARIN	-6.9	-10.3		-0.001	-100	201.5	33.1	1.531	.508	-0.200	-0.837
NAGOYA	1.3	-2.5		-0.431	-100	342.5	110.1	.365	-0.895	-0.283	.344
NANKING	-7.3	1.1		-0.745	-100	283.7	58.5	.613	-0.202	-0.828	-0.523
NOUMEA	8.4	-8.5	W	-0.044	100	149.9	36.3	1.361	.512	.297	-0.806
NORD	-1.3	11.8		.248	100	356.3	31.5	1.629	-0.522	-0.034	-0.852
PASADENA	21.0	8.8		.678	100	54.5	25.4	2.102	-0.249	.350	-0.903
PENTICTO	14.8	9.8		.715	100	41.6	28.9	1.814	-0.361	.321	-0.876
PETROPAV	4.5	5.6		.801	100	25.7	49.5	.853	-0.685	.330	-0.649
PLAUEN	-13.9	13.9	W	-0.029	100	329.3	24.2	2.227	-0.352	-0.209	-0.912
PORT MOR	2.7	-7.1		-0.138	-100	167.5	44.7	1.008	.687	.152	-0.710
PORT VIL	9.0	-7.7		-0.054	-100	145.3	37.7	1.292	.503	.348	-0.791
POTSDAM	-13.3	13.7		-0.027	-100	330.2	24.6	2.181	-0.362	-0.207	-0.909
POULKOVO	-10.9	11.2		-0.103	-100	330.1	29.4	1.778	-0.425	-0.244	-0.872
PRAGUE	-14.3	13.6		-0.044	-100	328.0	24.3	2.210	-0.350	-0.218	-0.911
PRIEST	19.7	8.6		.697	100	53.7	26.6	1.998	-0.265	.361	-0.894
PRUHONIC	-14.4	13.6	W	-0.045	100	327.9	24.3	2.210	-0.349	-0.219	-0.911
QUETTA	-16.7	3.7		-0.456	-100	290.5	34.5	1.454	-0.198	-0.531	-0.824
RABAUL	4.5	-6.4	W	-0.196	100	157.4	46.1	.961	.665	.277	-0.693
RESOLUTE	4.7	11.9	W	.494	-100	13.2	30.8	1.680	-0.498	.117	-0.859
RIVERVIE	3.6	-10.7		-0.022	-100	168.9	33.5	1.508	.542	.106	-0.834
SALT LAK	18.8	10.7	W	.667	-100	46.2	25.2	2.126	-0.294	.307	-0.905
SAN JUAN	37.5	37.8	W	.353	-100	30.4	9.4	6.049	-0.141	.082	-0.987
SIDA	-4.6	15.5		.190	100	350.1	24.8	2.165	-0.413	-0.072	-0.908
SIMFEROP	-16.8	10.2		-0.197	-100	315.8	27.0	1.961	-0.325	-0.317	-0.891
SITKA	11.2	8.6	W	.769	-100	37.5	33.7	1.499	-0.440	.338	-0.832
SONNEBER	-13.9	14.0		-0.024	-1	329.7	24.1	2.240	-0.352	-0.206	-0.913
TASHKENT	-13.9	5.2		-0.488	-100	302.4	36.7	1.342	-0.320	-0.504	-0.802
TAITUNG	-7.1	-1.4		-0.179	-100	252.1	58.8	.605	.263	-0.814	-0.518
TAKAMATS	2.5	-1.8		-0.702	-100	319.7	107.6	.317	-0.727	-0.616	.303
TANGERAN	-10.2	-5.6		-0.035	-100	226.8	41.3	1.137	.452	-0.481	-0.751
TEHRAN	-18.0	6.4		-0.348	-100	301.1	30.2	1.719	-0.260	-0.430	-0.864
TOOLANGI	1.8	-11.5		-0.008	-100	174.6	32.2	1.589	.530	.050	-0.846
TROMSOE	-6.7	11.9		.037	100	341.6	30.0	1.730	-0.475	-0.158	-0.866
TSUKUBA	-0.4	-2.1		.049	100	6.2	106.4	.294	-0.954	.104	.283
TUCSON	22.1	10.0	W	.650	-100	52.8	23.8	2.270	-0.244	.321	-0.915
UGLEGORS	.8	4.9		.373	100	5.6	55.9	.677	-0.824	.080	-0.561
UKIAH	18.3	8.4		.718	100	52.2	27.9	1.891	-0.287	.369	-0.884
ULAN BAT	-7.7	4.7		-0.634	-100	315.7	47.9	.902	-0.531	-0.518	-0.670
UPPSALA	-10.4	12.7		-0.025	-100	334.0	27.2	1.943	-0.411	-0.200	-0.889
VLADIVOS	-2.2	3.4		-0.441	-100	338.8	63.1	.507	-0.831	-0.322	-0.453
WARSAK	-15.1	3.9		-0.502	-100	293.5	36.7	1.343	-0.239	-0.547	-0.802
WELLINGT	10.4	-12.3		.065	100	153.3	27.8	1.896	.417	.209	-0.885
VIENNA	-15.3	13.3		-0.063	-100	325.8	24.3	2.218	-0.340	-0.231	-0.912
WILKES	-5.7	-16.9		.038	100	191.3	22.8	2.375	.380	-0.076	-0.922
WOODY	20.2	8.9		.687	100	53.5	25.9	2.056	-0.260	.351	-0.899
YAKUTSK	-1.8	6.7	W	.049	-100	351.0	47.0	.932	-0.722	-0.114	-0.682
YUZHNO S	1.0	4.4	W	.425	-100	7.9	58.4	.614	-0.844	.117	-0.524
ZAGREB	-16.2	13.3		-0.069	-100	324.2	23.9	2.261	-0.328	-0.237	-0.915
ZOSE	-6.5	.7		-0.714	-100	280.8	61.6	.540	-0.165	-0.864	-0.475


UNIT DISTANCE ON X-AXIS = 12.3

Appendix
Program Listing

```
C     P-NODAL ORIENTATION
C     A.J.WICKENS
C     SEISMOLOGY DIVISION
C     OBSERVATORIES BRANCH
C     DEPARTMENT OF MINES AND TECHNICAL SURVEYS
C     OTTAWA CANADA
C     INPUT-TABLES OF EXTENDED DISTANCE
C           SYMBOLS,GRID SPACING,TERMINAL,CON FACT,STEP,KEEP
C           LAT,LONG,DATE,HTIME,DEPTH
C           NAME,AZ,DELTA,PHASE,POL,WT
C     OUTPUT- FAULT PLANE ORIENTATION FOR 1. BEST FIT
C                                        2. LEAST NUMBER OBS. WRONG
C                                           IF DIFFERENT FROM 1.
C
C           DETAIL FOR RANGE OF ALL GEOPHYSICAL PARAMETERS BASED ON
C           A DETERMINATION WITH THE INCONSISTENT OBSERVATIONS REMOVED
C
C           NORMALIZED THEORETICAL AMPLITUDE FOR EACH OBSERVING STATION
C           LIST OF OBSERVING STATIONS WITH AN ASSOCIATED STEREO. PLOT
      DIMENSION SNCOR(45,2),SNCOH(15,2),EXX(200)
      DIMENSION N(200),A(200),B(200),C(200),PL(200),T(5,81),S(200),SK(20
     10),CC(5,9),X(200),Y(200),AM(200),AZ(200),EMG(200),PT(127,15),P1(07
     22,15),P2(042,15),D(14),SYM(20),W(200),EXD(200),OUT(99)
      COMMON DELTA,DEPTH,EM,EXT,D,LIMP,LIMP1,LIMP2,PT,P1,P2,A,B,C,PL,ILX
     1,IL,AZA,DPA,SCA,DSA,DCA,TNA,AZC,DPC,SCC,DSC,DCC,TNC,PAZ,PPL,BAZ,BP
     2L,TAZ,TPL,SYM,XA,XB,XC,YA,YB,YC,ZA,ZB,ZC
      IN=60
      LV=61
C     READ SIZE OF P TABLE(NO. OF CARDS)
      READ(IN,1)            SIZE
```

```
      LIMP =SIZE
C     READ TABLE
      DO100I=1,LIMP
      READ(IN,1)            (PT(I,J),J=1,8)
100   READ(IN,1)            TEMP,(PT(I,J),J=9,15)
1     FORMAT(8F8.3)
C     READ SIZE OF PKP1 TABLE(NO. OF CARDS)
      READ(IN,1)            SIZE
      LIMP1=SIZE
C     READ TABLE
      DO101I=1,LIMP1
      READ(IN,1)            (P1(I,J),J=1,8)
101   READ(IN,1)            TEMP,(P1(I,J),J=9,15)
C     READ SIZE OF PKP2 TABLE(NO. OF CARDS)
      READ(IN,1)            SIZE
      LIMP2=SIZE
C     READ TABLE
      DO102I=1,LIMP2
      READ(IN,1)            (P2(I,J),J=1,8)
102   READ(IN,1)            TEMP,(P2(I,J),J=9,15)
C     CALCULATE DEPTH ARGUMENTS
      D(1)=0.
      D(2)=33.
      DO103I=3,14
103   D(I)=D(I-1)+63.35
C     READ SYMBOLS
      READ(IN,2)            SYM,OF,BA,BL
2     FORMAT(20A1,3A3)
C     READ GRID PARAMENTERS, TERMINAL,CONVERGENT,WEIGHT STEP,NUMBER RETAINED
C     FOR UPDATE
```

```
      READ(IN,1)            DA,DH,DR,TRM,CON,STEP,EKP
      KEEP=EKP
      DA=DA*0.17453293E-01
      DH=DH*0.17453293E-01
      DR=DR*0.17453293E-01
      RANG=6.2831853+DA
      TRM=TRM*0.17453293E-01
C     GENERATE TABLES OF SINE AND COSINE FOR H AND R
      HI=DH*0.5
      RI=DR*0.5
      DO8080I=1,45
      SNCOR(I,1)=SINF(RI)
      SNCOR(I,2)=COSF(RI)
8080  RI=RI+DR
      DO8181I=1,15
      SNCOH(I,1)=SINF(HI)
      SNCOH(I,2)=COSF(HI)
8181  HI=HI+DH
C
C     LOOP BACK TO NEW EARTHQUAKE FOLLOWS
C
104   DO105I=1,80
105   T(1,I)=0.
C     INITIATE GRID VARIABLES
      AI=DA*0.5
      HI=DH*0.5
      RI=DR*0.5
      IR=1
      IH=1
      IDR=1
```

```
      IDH=1
      WRITE(LV,5)
C     READ EARTHQUAKE COORDS DATE H-TIME DEPTH AND EXTENDED DISTANCES FOR
C     LIMIT OF PLOT
5     FORMAT(55H1   LATITUDE   LONGITUDE   DATE      H-TIME      DEPTH)
      READ(IN,3)          ELAT,SN,ELONG,WE,DATE,HTIME,DEPTH,SIZE
3     FORMAT(2(F10.3,A2),4F10.1)
      IF(SIZE)1234,1234,1235
1234  STOP
1235  WRITE(LV,3)           ELAT,SN,ELONG,WE,DATE,HTIME,DEPTH
      WRITE(LV,7001)
C     READ STATION CODE,AZ FROM EPICENTER,DELTA,PHASE,POLARITY AND WEIGHT
      DO106I=1,200
      IL=I
      READ(IN,4)          N(I),AZZ,DELTA,PHASE,POL,WT
4     FORMAT(A4,2F10.3,4X,2(3X,A1),F6.0)
      IF(WT)107,107,108
C     FIND EXTENDED DISTANCE,COORDS ON PLOT AND EMERGENT ANGLE
108   IF(POL-SYM(7))109,110,109
109   PL(I)=-WT
      GO TO 111
110   PL(I)=WT
111   AZ(I)=AZZ
      IF(AZZ-180.)113,113,112
112   AZZ=AZZ-360.
113   IF(PHASE-SYM(12))114,115,114
114   IF(PHASE-SYM(15))116,117,116
116   CALL PKP2
      GO TO 118
117   CALL PKP1
```

```
      GO TO 118
115   CALL P
118   EMG(I)=EM*57.29578
      AZP=AZZ
       EXX(I)=EXT
      EXD(I)=DELTA
      IF(EXT)119,120,120
119   AZP=AZP+180.
      EXT=-EXT
120   AZP=AZP*0.17453293E-01
      RANGE=EXT/SIZE
      X(I)=RANGE*SINF(AZP)*49.+50.
      Y(I)=-RANGE*COSF(AZP)*29.+30.
      AZZ=AZZ*0.17453293E-01
C     COMPUTE STATION DIRECTION COSINES
        ON UNIT SPHERE
      SINI=SINF(EM)
      A(I)=-SINI*COSF(AZZ)
      B(I)=SINI*SINF(AZZ)
      C(I)=-COSF(EM)
106   CONTINUE
107   IL=IL-1
C     SEARCH GRID FOR BEST SET AT GRID
        POINTS
      LINK=1
      CK=0.
      SINH=SNCOH(IH,1)
      COSH=SNCOH(IH,2)
      SINR=SNCOR(IR,1)
      COSR=SNCOR(IR,2)
      GO TO 173
999   COSAZ=COSF(AI)
      SINAZ=SINF(AI)
      COSH=COSF(HI)
      SINH=SINF(HI)
121   COSR=COSF(RI)
      SINR=SINF(RI)
122   XA=-SINH*COSAZ*COSR+SINAZ*SINR
      XB=-SINH*SINAZ*COSR-COSAZ*SINR
      XC=COSH*COSR
      ZA=-SINH*COSAZ*SINR-SINAZ*COSR
      ZB=-SINH*SINAZ*SINR+COSAZ*COSR
      ZC=SINR*COSH
      DN=0.
      ZN=0.
      ZP=0.
      XN=0.
      XP=0.
      ZNN=0.
      ZPN=0.
      XPN=0.
      XNN=0.
      TOP=0.
      BOT=0.
      DO123J=1,IL
      WT=ABSF(PL(J))
      SX=XA*A(J)+XB*B(J)+XC*C(J)
      SZ=ZA*A(J)+ZB*B(J)+ZC*C(J)
      S(J)=SX*SZ
      IF(S(J))124,125,125
124   S(J)=2.*S(J)*(1.+S(J))-STEP
      GO TO 126
```

```
125   S(J)=2.*S(J)*(1.-S(J))+STEP
126   S(J)=S(J)*PL(J)
      IF(CK)127,128,127
127   IF(S(J)*SK(J))129,128,128
129   IF(ABSF(SX)-ABSF(SZ))130,128,131
130   IF(PL(J))132,133,133
132   IF(SZ)134,135,135
134   ZNN=ZNN+WT
      GO TO 128
135   ZN=ZN+WT
      GO TO 128
133   IF(SZ)136,137,137
136   ZPN=ZPN+WT
      GO TO 128
137   ZP=ZP+WT
      GO TO 128
131   IF(PL(J))138,139,139
138   IF(SX)939,140,140
939   XNN=XNN+WT
      GO TO 128
140   XN=XN+WT
      GO TO 128
139   IF(SX)141,142,142
141   XPN=XPN+WT
      GO TO 128
142   XP=XP+WT
128   TOP=TOP+S(J)
      BOT=BOT+ABSF(S(J))
      GO TO (98,97,123,123),LINK
97    IF(CK)123,98,123
98    SK(J)=S(J)
123   CONTINUE
      IF(CK)96,154,96
96    IF(ZN-ZP)143,144,144
143   DN=ZN
      GO TO 145
144   DN=ZP
145   IF(XN-XP)146,147,147
146   DN=DN+XN
      GO TO 148
147   DN=DN+XP
148   IF(ZNN-ZPN)149,150,150
149   DN=DN+ZNN
      GO TO 151
150   DN=DN+ZPN
151   IF(XNN-XPN)152,153,153
152   DN=DN+XNN
      GO TO 154
153   DN=DN+XPN
154   GO TO (99,177,201,177),LINK
99    RII=RI
      IF(TOP)155,156,156
155   RII=RI-1.5707963
156   TOP=ABSF(TOP)+DN
      TOP=TOP/BOT
      CK=1.
      J=1
1162  JK=J
      IF(T(1,J)-TOP)157,157,158
158   IF(J-1)159,159,160
```

```
160   IF(J-2)161,161,162
162   L=JK-2
      DO163M=1,4
      DO163K=1,L
163   T(M,K)=T(M,K+1)
161   T(1,JK-1)=TOP
      T(2,JK-1)=AI
      T(3,JK-1)=HI
      T(4,JK-1)=RII
      GO TO 159
157   J=J+1
      IF(J-KEEP)1162,1162,1163
1163  JK=JK+1
      GO TO 162
159   RI=RI+DR
      IR=IR+IDR
      IF(DR)164,165,165
164   IF(RI)166,1211,1211
1211  COSR=SNCOR(IR,2)
      SINR=SNCOR(IR,1)
      GO TO 122
166   DR=-DR
      IDR=-IDR
      IR=IR+IDR
      RI=RI+DR
      GO TO 167
165   IF(RI-1.5707963)1211,166,166
167   HI=HI+DH
      IH=IH+IDH
      IF(DH)168,169,169
168   IF(HI)170,171,171
171   COSH=SNCOH(IH,2)
      SINH=SNCOH(IH,1)
      GO TO 122
170   DH=-DH
      HI=HI+DH
      IDH=-IDH
      IH=IH+IDH
      GO TO 172
169   IF(HI-1.5707963)171,170,170
172   AI=AI+DA
      IF(AI-RANG)173,173,174
173   COSAZ=COSF(AI)
      SINAZ=SINF(AI)
      GO TO 122
174   LINK=2
      IZLX=0
      ILX=0
C
C     UPDATE SEQUENCE
C
      DR=ABSF(DR)
      DH=ABSF(DH)
      KEEPF=KEEP
      KSS=1
222   I=KSS
2222  CNT=0.
      CHA=DA
      CHH=DH
      CHR=DR
```

```
      DO176J=2,4
176   CC(J,1)=T(J,I)
188   CK=0.
      AI=CC(2,1)
      HI=CC(3,1)
      RI=CC(4,1)
      INK=1
      GO TO 999
901   IF(LINK-4 )224,223,224
223   CK=0.
      GO TO 225
224   CK=1.
225   AI=AI-CHA
      HI=HI-CHH
      RI=RI-CHR
      INK=2
      GO TO 999
902   AI=AI+2.*CHA
      INK=3
      GO TO 888
903   HI=HI+2.*CHH
      INK=4
      GO TO 777
904   RI=RI+2.*CHR
      INK=5
      GO TO 121
905   HI=HI-2.*CHH
      INK=6
      GO TO 777
906   AI=AI-2.*CHA
      INK=7
      GO TO 888
907   HI=HI+2.*CHH
      INK=8
      GO TO 777
908   RI=RI-2.*CHR
      INK=9
      GO TO 121
888   COSAZ=COSF(AI)
      SINAZ=SINF(AI)
      GO TO 122
777   COSH=COSF(HI)
      SINH=SINF(HI)
      GO TO 122
177   IF(BOT-TOP)1770,1770,1771
1770  BOT=1.
1771  CC(1,INK)=TOP/BOT
      CC(2,INK)=AI
      CC(3,INK)=HI
      CC(4,INK)=RI
      CC(5,INK)=DN
      GO TO(901,902,903,904,905,906,907,
     908,909),INK
909   KS=2
      KN=2
      DO178J=3,9
      IF(CC(1,KS)-CC(1,J))179,180,180
179   KS=J
180   IF(CC(5,KN)-CC(5,J))181,178,178
181   KN=J
178   CONTINUE
```

```
      CNT=CNT+1.
      IF(CNT-13.)182,182,183
182   IF(CC(5,KN))184,185,184
185   IF(CC(1,1)-CC(1,KS))186,183,183
186   DO187J=2,4
187   CC(J,1)=CC(J,KS)
      GO TO 188
184   IF(CC(1,1)-CC(1,KS))189,190,190
190   DO191J=2,4
191   CC(J,1)=0.2*(CC(J,KN)+4.*CC(J,1))
      GO TO 183
189   IF(KS-KN)192,193,192
193   DO194J=2,4
194   CC(J,1)=0.2*(4.*CC(J,KS)+CC(J,1))
      GO TO 188
192   DO195J=2,4
195   CC(J,1)=0.2*(CC(J,KN)+4.*CC(J,KS))
      GO TO 188
183   CHA=CON*CHA
      CHH=CON*CHH
      CHR=CON*CHR
      CNT=0.
      IF(CHA-TRM)196,188,188
196   DO197J=2,4
197   T(J,I)=CC(J,1)
      I=I+1
      IF(I-KEEPF)2222,2222,2223
2223  IF(LINK-4)227,226,227
227   LINK=3
C     DETERMINE IF ONE OR TWO OUTPUTS
        REQUIRED
      CK=0.
      TOPL=0.
      ILT=1
      CNTL=200.
      ICT=1
      I=1
2224  AI=T(2,I)
      HI=T(3,I)
      RI=T(4,I)
      GO TO 999
201   CNT=0.
      T(1,I)= TOP/BOT
      T(5,I)= BOT
      DO202K=1,IL
      IF(S(K))203,202,202
203   IF(ABSF(PL(K))-10.)202,
        202,204
204   CNT=CNT+1.
202   CONTINUE
      IF(T(1,I)-TOPL)205,206,206
206   TOPL=T(1,I)
      ILT=I
205   IF(CNTL-CNT)200,208,208
208   CNTL=CNT
      ICT=I
200   I=I+1
      IF(I-KEEP)2224,2224,2225
2225  KEEPL=1
      IF(ILT-ICT)2091,210,2091
2091  IF(ILT-2)209,7070,209
7070  DO7171J=1,5
```

```
7171  T(J,81)=T(J,ILT)
      ILT=81
209   DO211J=1,5
211   T(J,2)=T(J,ICT)
      KEEPL=KEEPL+1
210   DO212J=1,5
212   T(J,1)=T(J,ILT)
      LINK=4
C  COMPUTE 1 OR 2 SOLUTIONS
      IKLX=-1
      K=1
2226  IF(K-1)215,215,214
214   DO216J=1,IL
      IF(W(J)-SYM(20))216,217,216
217   W(J)=SYM(17)
      IF(ABSF(PL(J))-1.5)216,218,218
C     ADJUST WEIGHTS IF SECOND OF TWO OUTPUTS
218   PL(J)=50.*PL(J)
216   CONTINUE
      WRITE(LV,5)
215   CALL DCS(T(2,K),T(3,K),T(4,K))
      CALL OUTPUT(XA,XB,XC,YA,YB,YC,ZA,ZB,ZC)
2000  FORMAT( 8H  SCORE ,7HNO.STNS,12H NO.X  ZWTX ,28H          PLANE  A
     1          ,28H          PLANE  C          ,37H      P AXIS     B A
     2XIS     T AXIS     )
3000  FORMAT(17X,10H          ,28H     AZ   DIP    COMPONENT  ,28H     A
     1Z   DIP    COMPONENT  ,37H     AZ    PL   AZ    PL   AZ    PL  )
4000  FORMAT(27X,28H                STRIKE  DIP ,28H                STRI
     1KE  DIP )
5000  FORMAT(2X,F6.1,3(I5,1X),1X,  2(3X,F6.1,F5.1,2X,F4.2,A1,2X,F4.2,A1)
```

```
     1,3X,3(F6.1,F5.1),//)
6000  FORMAT(27H                                ,2(3X,F6.1,F5.1,2X,F4.2,A1,2X
     1,F4.2,A1),3X,3(F6.1,F5.1))
6002  FORMAT(27H ROTATION ABOUT A,C,B AXIS )
7000  FORMAT(10X,F6.1,11X,2(3X,F6.1,F5.1,2X,F4.2,A1,2X,F4.2,A1),3X,3(F6.
     11,F5.1))
      ILX=0
       IZLX=0
      DO219J=1,IL
      W(J)=SYM(17)
      SX=XA*A(J)+XB*B(J)+XC*C(J)
      SZ=ZA*A(J)+ZB*B(J)+ZC*C(J)
      S(J)=SX*SZ*PL(J)
      IF(S(J))220,219,219
220   W(J)=SYM(20)
      ILX=ILX+1
      IF(ABSF(PL(J))-2.)2270,219,221
2270  IZLX=IZLX+1
      GO TO 219
221   PL(J)=.02*PL(J)
219   CONTINUE
      IF(IKLX-ILX)2227,104,2227
2227  IKLX=ILX
      WRITE(LV,2000)
      WRITE(LV,3000)
      WRITE(LV,4000)
C     CALCULATE OUTPUT TABLE
      SCORE=50.*(1.+T(1,K))
      WRITE(LV,5000)              SCORE,IL,ILX,IZLX,  AZA,DPA,SCA,DSA,DCA,
```

```
     1TNA,AZC,DPC,SCC,DSC,DCC,TNC,PAZ,PPL,BAZ,BPL,TAZ,TPL
      ILX=ILX-IZLX
      KEEPF=K
      KSS=K
      GO TO 222
226   CALL DCS(T(2,K),T(3,K),T(4,K))
      CALL OUTPUT(XA,XB,XC,YA,YB,YC,ZA,ZB,ZC)
      WRITE(LV,6000)              AZA,DPA,SCA,DSA,DCA,TNA,AZC,DPC,SCC,DSC,
     1DCC,TNC,PAZ,PPL,BAZ,BPL,TAZ,TPL
      WRITE(LV,6002)
      AZA=AZA*0.1745329E-01
      SRA= SINF(AZA)
      CRA= COSF(AZA)
      AZC=AZC*0.17453293E-01
      SRC= SINF(AZC)
      CRC= COSF(AZC)
      DD=-0.17453293E-01
      KEY=1
      CALL TOL(DD,KEY,XZA,XZB,XZC,YZA,YZB,YZC)
      CALL OUTPUT(XZA,XZB,XZC,YZA,YZB,YZC,ZA,ZB,ZC)
      DD=DD*57.29578
      WRITE(LV,7000)              DD,AZA,DPA,SCA,DSA,DCA,TNA,AZC,DPC,SCC,D
     1SC,DCC,TNC,PAZ,PPL,BAZ,BPL,TAZ,TPL
      H11=-DD
      DD=0.17453293E-01
      CALL TOL(DD,KEY,XZA,XZB,XZC,YZA,YZB,YZC)
      CALL OUTPUT(XZA,XZB,XZC,YZA,YZB,YZC,ZA,ZB,ZC)
      DD=DD*57.29578
      WRITE(LV,7000)              DD,AZA,DPA,SCA,DSA,DCA,TNA,AZC,DPC,SCC,D
     1SC,DCC,TNC,PAZ,PPL,BAZ,BPL,TAZ,TPL
```

```
 H12=DD+1.E-10
 DD=-0.17453293E-01
 KEY=2
 CALL TOL(DD,KEY,YXA,YXB,YXC,ZXA,ZXB,ZXC)
 CALL OUTPUT(XA,XB,XC,YXA,YXB,YXC,ZXA,ZXB,ZXC)
 DD=DD*57.29578
 WRITE(LV,7000)              DD,AZA,DPA,SCA,DSA,DCA,TNA,AZC,DPC,SCC,D
1SC,DCC,TNC,PAZ,PPL,BAZ,BPL,TAZ,TPL
 A11=-DD
 DD=0.17453293E-01
 CALL TOL(DD,KEY,YXA,YXB,YXC,ZXA,ZXB,ZXC)
 CALL OUTPUT(XA,XB,XC,YXA,YXB,YXC,ZXA,ZXB,ZXC)
 DD=DD*57.29578
 WRITE(LV,7000)              DD,AZA,DPA,SCA,DSA,DCA,TNA,AZC,DPC,SCC,D
1SC,DCC,TNC,PAZ,PPL,BAZ,BPL,TAZ,TPL
 A12=DD+1.E-10
 DD=-0.17453293E-01
 KEY=3
 CALL TOL(DD,KEY,XYA,XYB,XYC,ZYA,ZYB,ZYC)
 CALL OUTPUT(XYA,XYB,XYC,YA,YB,YC,ZYA,ZYB,ZYC)
 DD=DD*57.29578
 WRITE(LV,7000)              DD,AZA,DPA,SCA,DSA,DCA,TNA,AZC,DPC,SCC,D
1SC,DCC,TNC,PAZ,PPL,BAZ,BPL,TAZ,TPL
 R11=-DD
 DD=0.17453293E-01
 CALL TOL(DD,KEY,XYA,XYB,XYC,ZYA,ZYB,ZYC)
 CALL OUTPUT(XYA,XYB,XYC,YA,YB,YC,ZYA,ZYB,ZYC)
 DD=DD*57.29578
 WRITE(LV,7000)              DD,AZA,DPA,SCA,DSA,DCA,TNA,AZC,DPC,SCC,D
1SC,DCC,TNC,PAZ,PPL,BAZ,BPL,TAZ,TPL
```

```
      R12=DD+1.E-10
      WRITE(LV,7001)
7001  FORMAT(1H )
      CONX=          SQRTF((H11+H12)*(R11+R12))
      IF(H11+H12-R11-R12)230,230,231
230   ELPX=(R11+R12-H11-H12)/(R11+R12)
      GO TO 232
231   ELPX=(H11+H12-R11-R12)/(H11+H12)
232   CONY=          SQRTF((A11+A12)*(H11+H12))
      IF(H11+H12-A11-A12)233,233,234
233   ELPY=(A11+A12-H11-H12)/(A11+A12)
      GO TO 235
234   ELPY=(H11+H12-A11-A12)/(H11+H12)
235   CONZ=          SQRTF((A11+A12)*(R11+R12))
      IF(A11+A12-R11-R12)236,236,237
236   ELPZ=(R11+R12-A11-A12)/(R11+R12)
      GO TO 238
237   ELPZ=(A11+A12-R11-R12)/(A11+A12)
238   WRITE(LV,9000)          CONZ,ELPZ,CONX,ELPX,CONY,ELPY
9000  FORMAT(33X,7H CONE A,F5.0,4H EXA,F5.2,8X,7H CONE C,F5.0,4H EXC,F5.
     12, 9X,7H CONE B,F5.0,4H EXB,F5.2,/)
      WRITE(LV,8000)ZA,ZB,ZC,XA,XB,XC,YA,YB,YC
8000  FORMAT(18H DIRECTION COSINES,7X,8H  POLE A,3(F7.3),2X,8H  POLE C,3
     1(F7.3),3X,8H  POLE B,3(F7.3))
C     OUTPUT STATION CODE,COODS,RADIATION AMPLITUDE, ETC
      DO240J=1,IL
      SX=XA*A(J)+XB*B(J)+XC*C(J)
      SZ=ZA*A(J)+ZB*B(J)+ZC*C(J)
240   AM (J)=SX*SZ*2.
      WRITE(LV,7002)
```

```
7002  FORMAT(72H1STATION X-COORD Y-COORD  FIT   AMP    POL    AZM    EMG
     1     DELTA       26H STATION DIRECTION COSINES)
7003  FORMAT(3X,A4,2X,2(F7.1,1X),2X,A1,2X,F6.3,1X,F6.0,1X,F6.1,1X,F6.1,1
     1X,F9.3     ,2X,A3,2X,3(F6.3,2X))
      DO241 I=1,IL
      EX=X(I)-50.
       WY=30.-Y(I)
      OFF=BL
      IF(ABSF(EXX(I))-SIZE)241,241,242
242   OFF=OF
241   WRITE(LV,7003)              N(I),EX,WY,W(I),AM (I),PL(I),AZ(I),EMG(I
     1),EXD(I),OFF,A(I),B(I),C(I)
C     GENERATE BYERLEY PLOT
      RA=SQRTF(1.-ZC*ZC)/(ABSF(ZC)*SIZE*2.)
      RC=SQRTF(1.-XC*XC)/(ABSF(XC)*SIZE*2.)
      XRA=RA*SRA*49.
      YRA= RA*CRA*29.
      XRC=RC*SRC*49.
      YRC=RC*CRC*29.
      WRITE(LV,7004)              XRA,YRA,XRC,YRC,SIZE
7004  FORMAT(19H1COORDS CIRCLE A X=,E10.2,4H  Y=,E10.2,20H  COORDS CIRCL
     1E C X=,E10.2,4H  Y=,E10.2,22H   LIMIT OF PLOT EXT =,F7.1)
      DO243M=1,59
      DO244MK=1,99
244   OUT(MK)=SYM(17)
      DO245I=1,IL
      LINE=Y(I)+0.5
      IF(LINE-M)245,246,245
246   IF(PL(I))247,248,248
247   STR=SYM(10)
```

```
      GO TO 249
248   STR=SYM(12)
249   KL=X(I)+0.5
      IF(KL)245,250,250
250   IF(KL-99)251,251,245
251   IF(OUT(KL)-SYM(17))252,253,252
252   IF(OUT(KL)-SYM(10))254,255,254
254   IF(OUT(KL)-SYM(12))256,257,256
256   IF(OUT(KL)-SYM(9))258,259,258
258   IF(OUT(KL)-SYM(13))260,261,260
255   IF(STR-SYM(10))262,263,262
260   STR=SYM(5)
      GO TO 253
263   STR=SYM(9)
      GO TO 253
262   STR=SYM(11)
      GO TO 253
259   IF(STR-SYM(10))260,264,260
264   STR=SYM(8)
      GO TO 253
257   IF(STR-SYM(12))262,265,262
265   STR=SYM(13)
      GO TO 253
261   IF(STR-SYM(12))260,266,260
266   STR=SYM(14)
253   OUT(KL)=STR
245   CONTINUE
      IF(M-30)267,268,267
267   IF(OUT(50)-SYM(17))269,270,269
270   OUT(50)=SYM(18)
```

```
      GO TO 269
268   DO271MK=1,99
      IF(OUT(MK)-SYM(17))271,272,271
272   OUT(MK)=SYM(18)
271   CONTINUE
269   WRITE(LV,7005)              OUT
7005  FORMAT(10X,3(33A1))
243   CONTINUE
      K=K+1
      IF(K-KEEPL)2226,2226,104
      END

C     INTERPOLATION FOR EXTENDED DISTANCE OF P PHASE
      SUBROUTINE P
      DIMENSION        A(200),B(200),C(200),PL(200),
     1                                                PT(127,15),P1( 7
     22,15),P2( 42,15),D(14),SYM(20)
      COMMON DELTA,DEPTH,EM,EXT,D,LIMP,LIMP1,LIMP2,PT,P1,P2,A,B,C,PL,ILX
     1,IL,AZA,DPA,SCA,DSA,DCA,TNA,AZC,DPC,SCC,DSC,DCC,TNC,PAZ,PPL,BAZ,BP
     2L,TAZ,TPL,SYM,XA,XB,XC,YA,YB,YC,ZA,ZB,ZC
      DELTA=DELTA+0.00001
      DEPTH=DEPTH+0.00001
      DO10I=1,LIMP
      IF(PT(I,1)-DELTA)10,11,11
11    M=I
      GOTO12
10    CONTINUE
      M=LIMP
      PL(IL)=0.
12    DO13I=1,14
```

```
      IF(D(I)-DEPTH)13,14,14
14    N=I
      GOTO15
13    CONTINUE
      N=14
15    RATIO=(DEPTH-D(N-1))/(D(N)-D(N-1))
      BELOW=RATIO*(PT(M-1,N+1)-PT(M-1,N))+PT(M-1,N)
      ABOVE=RATIO*(PT(M,N+1)-PT(M,N))+PT(M,N)
      EXT=(DELTA-PT(M-1,1))/(PT(M,1)-PT(M-1,1))*(ABOVE-BELOW)+BELOW
      EM=ATANF(1./EXT)
      IF(EM)16,17,17
16    EM=3.1415926+EM
17    RETURN
      END

C     INTERPOLATION FOR EXTENDED DISTANCE OF PKP1 PHASE
      SUBROUTINE PKP1
      DIMENSION        A(200),B(200),C(200),PL(200),
     1                                                PT(127,15),P1( 7
     22,15),P2( 42,15),D(14),SYM(20)
      COMMON DELTA,DEPTH,EM,EXT,D,LIMP,LIMP1,LIMP2,PT,P1,P2,A,B,C,PL,ILX
     1,IL,AZA,DPA,SCA,DSA,DCA,TNA,AZC,DPC,SCC,DSC,DCC,TNC,PAZ,PPL,BAZ,BP
     2L,TAZ,TPL,SYM,XA,XB,XC,YA,YB,YC,ZA,ZB,ZC
      IF(109.001-DELTA)100,100,101
100   DO10I=1,LIMP1
      IF(P1(I,1)-DELTA)10,11,11
11    M=I
      GO TO 12
10    CONTINUE
101   M=LIMP1
```

```
      PL(IL)=0.
12    DO13I=1,14
      IF(D(I)-DEPTH)13,14,14
14    N=I
      GO TO 15
13    CONTINUE
      N=14
15    RATIO=(DEPTH-D(N-1))/(D(N)-D(N-1))
      BELOW=RATIO*(P1(M-1,N+1)-P1(M-1,N))+P1(M-1,N)
      ABOVE=RATIO*(P1(M,N+1)-P1(M,N))+P1(M,N)
      EXT=(DELTA-P1(M-1,1))/(P1(M,1)-P1(M-1,1))*(ABOVE-BELOW)+BELOW
      EM=ATANF(1./EXT)
      RETURN
      END

C     INTERPOLATION FOR EXTENDED DISTANCE OF PKP2 PHASE
      SUBROUTINE PKP2
      DIMENSION        A(200),B(200),C(200),PL(200),
     1                                              PT(127,15),P1( 7
     22,15),P2( 42,15),D(14),SYM(20)
      COMMON DELTA,DEPTH,EM,EXT,D,LIMP,LIMP1,LIMP2,PT,P1,P2,A,B,C,PL,ILX
     1,IL,AZA,DPA,SCA,DSA,DCA,TNA,AZC,DPC,SCC,DSC,DCC,TNC,PAZ,PPL,BAZ,BP
     2L,TAZ,TPL,SYM,XA,XB,XC,YA,YB,YC,ZA,ZB,ZC
      IF(141.001-DELTA)100,100,101
100   DO10I=1,LIMP2
      IF(P2(I,1)-DELTA)10,11,11
11    M=I
      GO TO 12
10    CONTINUE
101   M=LIMP2
```

```
      PL(IL)=0.
12    DO13I=1,14
      IF(D(I)-DEPTH)13,14,14
14    N=I
      GO TO 15
13    CONTINUE
      N=14
15    RATIO=(DEPTH-D(N-1))/(D(N)-D(N-1))
      BELOW=RATIO*(P2(M-1,N+1)-P2(M-1,N))+P2(M-1,N)
      ABOVE=RATIO*(P2(M,N+1)-P2(M,N))+P2(M,N)
      EXT=(DELTA-P2(M-1,1))/(P2(M,1)-P2(M-1,1))*(ABOVE-BELOW)+BELOW
      EM=ATANF(1./EXT)
      RETURN
      END

C     DIRECTION COSINE OF TRIAD A,B,C (KEY 1,2,3 RESPECTIVELY)
      SUBROUTINE DCS(AZ,H,R)
      DIMENSION        A(200),B(200),C(200),PL(200),
     1                                                PT(127,15),P1( 7
     22,15),P2( 42,15),D(14),SYM(20)
      COMMON DELTA,DEPTH,EM,EXT,D,LIMP,LIMP1,LIMP2,PT,P1,P2,A,B,C,PL,ILX
     1,IL,AZA,DPA,SCA,DSA,DCA,TNA,AZC,DPC,SCC,DSC,DCC,TNC,PAZ,PPL,BAZ,BP
     2L,TAZ,TPL,SYM,XA,XB,XC,YA,YB,YC,ZA,ZB,ZC
      COSAZ=COSF(AZ)
      SINAZ=SINF(AZ)
      COSH=COSF(H)
      SINH=SINF(H)
      COSR=COSF(R)
      SINR=SINF(R)
      XA=-SINH*COSAZ*COSR+SINAZ*SINR
```

```
      XB=-SINH*SINAZ*COSR-COSAZ*SINR
      XC=COSH*COSR
      YA=COSH*COSAZ
      YB=COSH*SINAZ
      YC=SINH
      ZA=-SINH*COSAZ*SINR-SINAZ*COSR
      ZB=-SINH*SINAZ*SINR+COSAZ*COSR
      ZC=SINR*COSH
      RETURN
      END

C     DETERMINATION OF RANGE OF DEFINITION
      SUBROUTINE TOL(DD,KEY,A1,A2,A3,B1,B2,B3)
      DIMENSION        A(200),B(200),C(200),PL(200),
     1                                                PT(127,15),P1( 7
     22,15),P2( 42,15),D(14),SYM(20)
      COMMON DELTA,DEPTH,EM,EXT,D,LIMP,LIMP1,LIMP2,PT,P1,P2,A,B,C,PL,ILX
     1,IL,AZA,DPA,SCA,DSA,DCA,TNA,AZC,DPC,SCC,DSC,DCC,TNC,PAZ,PPL,BAZ,BP
     2L,TAZ,TPL,SYM,XA,XB,XC,YA,YB,YC,ZA,ZB,ZC
      TAG=1.
      IF(KEY-1)101,101,100
101   ANG=0.
      GO TO 1
100   ANG=DD
1     COSA=COSF(ANG)
      SINA=SINF(ANG)
      IF(KEY-2)2,3,4
2     A1=COSA*XA-SINA*YA
      A2=COSA*XB-SINA*YB
      A3=COSA*XC-SINA*YC
```

```
      B1=SINA*XA+COSA*YA
      B2=SINA*XB+COSA*YB
      B3=SINA*XC+COSA*YC
      V1=A1
      V2=A2
      V3=A3
      V4=ZA
      V5=ZB
      V6=ZC
      GO TO 5
      A1=COSA*YA-SINA*ZA
      A2=COSA*YB-SINA*ZB
      A3=COSA*YC-SINA*ZC
      B1=SINA*YA+COSA*ZA
      B2=SINA*YB+COSA*ZB
      B3=SINA*YC+COSA*ZC
      V1=B1
      V2=B2
      V3=B3
      V4=XA
      V5=XB
      V6=XC
      GO TO 5
      A1=COSA*XA-SINA*ZA
      A2=COSA*XB-SINA*ZB
      A3=COSA*XC-SINA*ZC
      B1=SINA*XA+COSA*ZA
      B2=SINA*XB+COSA*ZB
      B3=SINA*XC+COSA*ZC
      V1=A1
      V2=A2
      V3=A3
      V4=B1
      V5=B2
      V6=B3
    5 KN=0
      DO6J=1,IL
      SX=V1*A(J)+V2*B(J)+V3*C(J)
      SZ=V4*A(J)+V5*B(J)+V6*C(J)
      WK= SX*SZ*PL(J)
      IF(WK)7,6,6
    7 IF(ABSF(PL(J))-10.)6,8,8
    8 KN=KN+1
    6 CONTINUE
      IF(ANG)60,61,60
   61 KPN=KN
      GO TO 10
   60 IF(KPN-KN+1)9,10,10
    9 IF(TAG)11,12,12
   12 DD=-0.1*DD
      TAG=-1.
   11 ANG=ANG+DD
      GO TO 1
   10 IF(TAG)14,13,13
   13 ANG=ANG+DD
      DD=DD+DD
      IF(ABSF(ANG)-2.5707963)1,14,14
   14 DD=ANG
      RETURN
      END
```

```
C     GENERATION OF OUTPUT LINE
      SUBROUTINE OUTPUT(A11,A22,A33,B11,B22,B33,C11,C22,C33)
      DIMENSION         A(200),B(200),C(200),PL(200),
     1                                                PT(127,15),P1( 7
     22,15),P2( 42,15),D(14),SYM(20)
      COMMON DELTA,DEPTH,EM,EXT,D,LIMP,LIMP1,LIMP2,PT,P1,P2,A,B,C,PL,ILX
     1,IL,AZA,DPA,SCA,DSA,DCA,TNA,AZC,DPC,SCC,DSC,DCC,TNC,PAZ,PPL,BAZ,BP
     2L,TAZ,TPL,SYM,XA,XB,XC,YA,YB,YC,ZA,ZB,ZC
      A1=A11
      A2=A22
      A3=A33
      B1=B11
      B2=B22
      B3=B33
      C1=C11
      C2=C22
      C3=C33
C     ROTATATION ABOUT B AXIS OF 45 DEGREES FOR PRESSURE TENSION
      XYA=0.70711*(A1-C1)
      XYB=0.70711*(A2-C2)
      XYC=0.70711*(A3-C3)
      ZYA=0.70711*(A1+C1)
      ZYB=0.70711*(A2+C2)
      ZYC=0.70711*(A3+C3)
      SXY=XYA*A1+XYB*A2+XYC*A3
      SZY=XYA*C1+XYB*C2+XYC*C3
C     DETERMINATION OF PRESSURE TENSION AXIS
      WK=SXY*SZY
      IF(XYC)1,2,2
```

```
1       XYC=-XYC
        XYA=-XYA
        XYB=-XYB
2       AZX=ATANF(XYA/XYB)*57.29578
         PLNX=ATANF(SQRTF(ABSF(1.
           -XYC*XYC))/XYC)
        PLNX=90.-PLNX*57.29578
        IF(XYB)3,3,4
3       AZX=AZX+90.
        GO TO 5
4       AZX=AZX+270.
5       IF(ZYC)6,7,7
6       ZYC=-ZYC
        ZYB=-ZYB
        ZYA=-ZYA
7       AZZ=ATANF(ZYA/ZYB)*57.29578
         PLNZ=ATANF(SQRTF(ABSF(1.
           -ZYC*ZYC))/ZYC)
        PLNZ=90.-PLNZ*57.29578
        IF(ZYB)8,9,9
8       AZZ=AZZ+90.
        GO TO 10
9       AZZ=AZZ+270.
10      IF(WK)12,11,11
11      PAZ=AZZ
        PPL=PLNZ
        TAZ=AZX
        TPL=PLNX
        GO TO 21
12      PAZ=AZX
        PPL=PLNX
        TAZ=AZZ
        TPL=PLNZ
C       THRUST OR NORMAL FAULTING
21      IF(A3*C3)13,14,14
13      TNA=SYM(4)
        TNC=TNA
        GO TO 210
14      TNA=SYM(3)
        TNC=TNA
C       AZIMUTHS AND DIPS FOR A,B,C
210     IF(A3)22,23,23
22      A3=-A3
        A2=-A2
        A1=-A1
23      IF(C3)24,25,25
24      C1=-C1
        C2=-C2
        C3=-C3
25      AZA=ATANF(C1/C2)*57.29578
         DPA=ATANF(SQRTF(ABSF(1.
           -C3*C3))/C3)
        IF(C2)26,27,27
26      AZA=AZA+270.
        GO TO 28
27      AZA=AZA+90.
28      AZC=ATANF(A1/A2)*57.29578
         DPC=ATANF(SQRTF(ABSF(1.
           -A3*A3))/A3)
        IF(A2)29,30,30
29      AZC=AZC+270.
        GO TO 31
30      AZC=AZC+90.
31      IF(B3)32,33,33
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```
32    B1=-B1
      B2=-B2
      B3=-B3
33    BAZ=ATANF(B1/B2)*57.29578
       BPL=ATANF(SQRTF(ABSF(1.-B3*B3))/B3)
      IF(B2)34,35,35
34    BAZ=BAZ+90.
      GO TO 36
35    BAZ=BAZ+270.
C     STRIKE DIP COMPONENTS,DEXTRAL OR SINESTRAL
36    COSA=COSF(DPA)
      COSB=COSF(BPL)
      COSC=COSF(DPC)
      RA=ATANF(COSB/COSC)
      RC=ATANF(COSB/COSA)
      SCA=SINF(RA)
      DCA=COSF(RA)
      SCC=SINF(RC)
      DCC=COSF(RC)
      DPA=DPA*57.29578
      BPL=90.-BPL*57.29578
      DPC=DPC*57.29578
      IF(AZA-AZC)300,301,301
300   IF(AZC-AZA-180.)302,303,303
301   IF(AZA-AZC-180.)303,302,302
302   IF(TNC-SYM(3))304,305,304
305   DSC=SYM(2)
      DSA=SYM(1)
      GO TO 306
303   IF(TNC-SYM(3))305,304,305
304   DSC=SYM(1)
      DSA=SYM(2)
306   RETURN
      END
```

(8) 160
343c Hm