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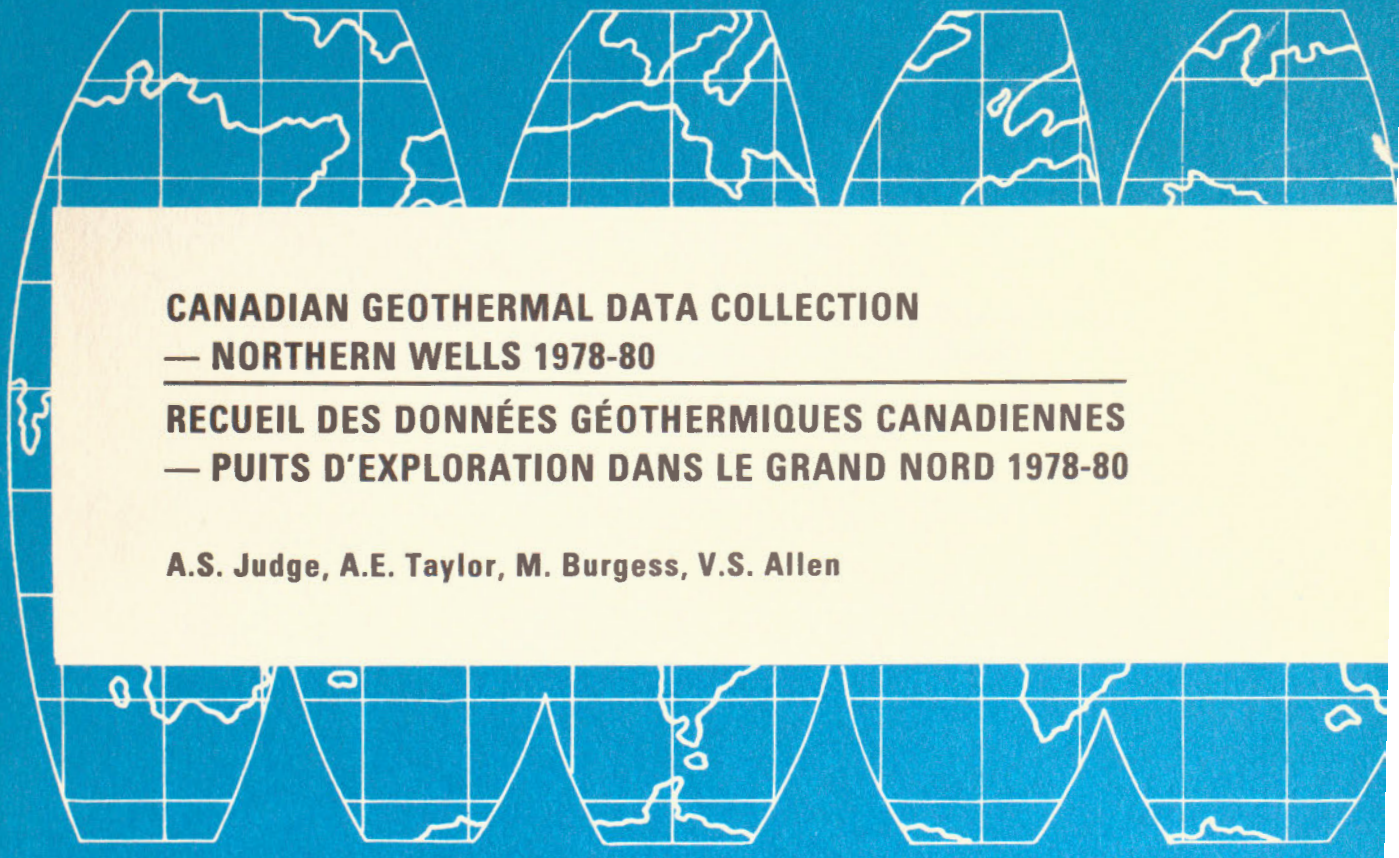

CANADIAN GEOTHERMAL DATA COLLECTION — NORTHERN WELLS 1978-80

RECUEIL DES DONNÉES GÉOTHERMIQUES CANADIENNES — PUITS D'EXPLORATION DANS LE GRAND NORD 1978-80

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PREFACE

Subsurface temperature data collected between August 1978 and September 1980 from holes of total depth greater than 125 m are reported in this volume. The volume supplements Taylor and Judge (1974, 1975, 1976, 1977) and Judge, Taylor and Burgess (1979), reporting only new sites and old sites where new data are available. The six volumes, hereafter referred to as the collection, present measurements from 32 sites in the Arctic Islands, 40 in the Mackenzie Delta and another 41 sites on the Arctic Mainland.

The object of this series of reports is to make widely available some of the base data necessary in the assessment and solution of many of the problems that may occur in northern development. Most of the data presented are from wells not yet in thermal equilibrium; however, where sufficient data exist, equilibrium conditions have been estimated. A total of 113 determinations of permafrost thickness have been reported in the collection to date. Determined thicknesses in the Arctic Islands range from 143 m to 726 m, in the Mackenzie Delta from 0 m to 663 m and in the remainder of the Northern Mainland from 0 m to more than 500 m.

A brief introduction discusses data acquisition and accuracy, the disturbance to thermal equilibrium by drilling and the determination of equilibrium permafrost thickness. A set of six maps shows the locations of, and the permafrost thickness at, the 113 sites. Data collected since the previous volume is presented in a series of four appendices as tables of measured temperature variation with time, graphs of temperature variations with depth at selected time intervals, tables of the logarithmic temperature return to equilibrium from which equilibrium conditions can be inferred, and graphs showing the rate at which equilibrium temperature is restored as a function of the ratio of drilling time to time since completion of drilling.

AVANT-PROPOS

Dans ce volume, on présente les données relatives à la température du sous-sol, recueillies entre août 1978 et septembre 1980 au moyen de sondages dont la profondeur totale est supérieure à 125 m. Le présent volume s'ajoute aux travaux de Taylor et Judge (1974, 1975, 1976, 1977) et de Judge, Taylor et Burgess (1979); il ne mentionne que les nouveaux sites, et ceux déjà explorés, mais ayant apporté de nouvelles données. Les six volumes désignés ici par le terme de collection, font état des déterminations réalisées dans 32 sites de l'archipel Arctique, 40 du delta du Mackenzie, et 41 autres de l'Arctique continental.

Cette série de rapports sert à rendre beaucoup plus accessibles quelques-unes des données de base nécessaires à l'évaluation et à la résolution d'un grand nombre des problèmes qui peuvent se poser pendant les travaux de développement du Grand Nord. La plupart des données fournies proviennent de puits qui n'ont pas encore atteint un équilibre thermique; cependant, lorsqu'il existe suffisamment de données, on s'est contenté d'estimer les conditions d'équilibre. On rend compte, jusqu'à présent, de 113 déterminations de l'épaisseur du pergélisol. Les épaisseurs connues dans l'archipel Arctique varient entre 143 m et 726 m, dans le delta du Mackenzie entre 0 m et 663 m, et pour le reste du Nord continental, de 0 à plus de 500 m.

Dans une brève introduction, on décrit la manière d'obtenir les données et le degré de précision de celles-ci, les perturbations de l'équilibre thermique par les travaux de forage, et la détermination de l'épaisseur du pergélisol, une fois l'équilibre atteint. Un ensemble de six cartes indique l'emplacement des 113 sites ainsi que leur épaisseur de pergélisol. Les données recueillies depuis le volume précédent sont présentées dans une série de quatre annexes sous forme de tableaux indiquant les variations mesurées de température en fonction du temps, de graphiques représentant les variations de température en fonction de la profondeur à des intervalles de temps précis, de tableaux indiquant à une échelle logarithmique les diverses étapes de retour de la température à un équilibre et permettant de déduire les conditions d'équilibre, et enfin de graphiques indiquant la vitesse à laquelle la température d'équilibre est atteinte, en fonction du rapport temps de forage/temps écoulé depuis l'achèvement des travaux.

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INTRODUCTION

INTRODUCTION

The underlying purpose, the history of measurement, the methods of preservation of wells and of data acquisition have all been described at some length, both in Taylor and Judge (1974) and elsewhere. This present volume, plus publications by Taylor and Judge (1974, 1975, 1976, 1977) and Judge, Taylor and Burgess (1979), is believed to contain all available non-confidential subsurface temperature information from holes of depths greater than 125 m within the permafrost regions of Canada. The authors would greatly appreciate receiving any additional information regarding other data known or possessed by the users of this series. Figure 1 shows the locations of all sites of subsurface temperatures available in the collection. Table 1 lists the 47 sites of new data presented in this volume and gives the EPB file number, the coordinates, the elevation, the total depth logged and the measurement techniques used for each.

This section, Section 1, describes the nature of the data included in this report, how to use the report, where to find specific information and how to interpret the results.

Section 2 deals specifically with the calculation of permafrost thickness using the measured data and the drilling history of the well. Table 2 presents all the calculated thicknesses of permafrost in the collection, indicates how they are determined and how close the particular wells are to thermal equilibrium. Because the presence of nearby water bodies may have a significant moderating influence on the permafrost, the distance to the nearest water body is given. The last column in Table 2 refers to the volume in the complete collection where the most recent set of data can be found. Permafrost thicknesses are shown on a set of six maps.

Section 3 consists of a series of appendices which present measured and interpreted data at sites where new data has been collected since the previous volume (Judge et al., 1979).

Taylor et Judge (1974) et d'autres ont déjà expliqué de façon plus ou moins détaillée le but de ces travaux, fait l'exposé chronologique des déterminations, et décrit les méthodes de préservation des puits et le mode d'acquisition des données. Le présent volume, ainsi que les travaux de Taylor et Judge (1974, 1975, 1976, 1977) et de Judge, Taylor et Burgess (1979), contient probablement toutes les informations non confidentielles sur la température du sous-sol mesurée dans des trous forés à plus de 125 m dans les régions de pergélisol du Canada. Les auteurs seraient heureux de recevoir toute information supplémentaire relative à d'autres données connues, ou possédées par les utilisateurs de cette série. La figure 1 indique l'emplacement de tous les sites pour lesquels la température du sous-sol est mentionnée dans la collection. Au tableau 1 sont énumérés les 47 sites où figurent les nouvelles données fournies dans ce volume, ainsi que le numéro indiqué dans le fichier EPB, les coordonnées, l'élévation, la profondeur totale explorée par des méthodes de diagraphie, et les techniques de détermination utilisées dans chaque cas.

Dans la présente section, c'est-à-dire la section 1, on décrit le type de données incluses dans le présent rapport, la manière d'utiliser ce rapport, et l'on indique où trouver l'information nécessaire, et comment interpréter les résultats.

A la section 2, on traite spécifiquement du calcul de l'épaisseur du pergélisol à l'aide des données provenant des mesures effectuées, ainsi que des étapes du forage des puits. Au tableau 2, sont énumérées toutes les épaisseurs du pergélisol qui figurent dans la collection; on y indique aussi comment l'épaisseur a été déterminée, et dans quelle mesure les températures de chacun des puits se rapprochent de l'équilibre thermique. Etant donné que la présence de masses d'eau proches peut exercer un effet fortement modérateur sur le pergélisol, on mentionne la distance de la masse d'eau la plus proche. La dernière colonne du tableau 2 désigne le volume de la collection complète où l'on peut trouver le groupe de données le plus récent. Les épaisseurs de pergélisol sont indiquées sur une série de six cartes.

La section 3 consiste en une série d'annexes où figurent les mesures et l'interprétation des données des sites où de nouvelles données ont été acquises depuis le volume précédent (Judge et al., 1979).

Appendix 3.1 presents tables of the measured temperature and the date measured. At the top of each table is listed the EPB file number and the abbreviated well name. This is followed by well coordinates to the nearest 0.1 minute, and the elevation to the nearest metre. Below this is the available temperature information. In the summary of temperature: depth logs, each set of depth and temperature is headed by the date on which the measurements were made. Depths below the mean ground surface are given to the nearest 0.1 metre and recorded temperatures to 0.01°C. Data accuracy was discussed in Taylor and Judge (1974). Other information given for each well is the complete official name, the well status at present, the well history (in the form of spud dates, abandonment dates and total well depths) and a reference when data are taken from published papers or reports. The individual wells are listed in order of EPB file number.

Appendix 3.2 presents graphs of temperature versus depth for each well. Temperatures are given in °C and depths in metres. Not all individual logs are plotted because this would unnecessarily complicate some of the graphs; however, sufficient logs are plotted to demonstrate their main characteristics. For sites where two or more temperature logs are available, the calculated equilibrium temperature profile (T_{EQ}) is plotted. For most wells that have passed the period of confidentiality, a simplified geologic section is included with the temperature graph. Principal formations are named and predominant rock types are given. The abbreviations used are:

C	coal	Q	quartz
CH	chert	QTE	quartzite
CG	conglomerate	SA	salt
CL	clay	SD	sand
CLST	claystone	SH	shale
DOL	dolomite	SL	slate
G	granite	SLT	siltstone
GR	gravel	SS	sandstone
IGN	igneous	W	organic
LS	limestone		
MDST	mudstone		

A l'annexe 3.1 se trouvent des tableaux indiquant la température mesurée et la date des mesures. En tête de chaque tableau, se trouve le numéro de fiche EPB, et l'indicatif du puits sous forme d'abréviation. Ensuite, on donne les coordonnées de puits à 0.1 minutes près et l'élévation à 1 mètre près. Au-dessous, on donne l'information disponible sur la température. Dans la liste des températures mesurées par diagraphie et des profondeurs de sondage, chaque groupe de profondeurs et de températures est précédé de la date des mesures. On donne les profondeurs au-dessous de la surface moyenne du sol à 0.1 mètre près, et la température enregistrée à 0.01°C près. Taylor et Judge (1974) ont discuté de la précision des données. Les autres informations disponibles relatives à chaque puits sont l'indicatif officiel complet, le statut actuel du puits, les étapes de forage du puits (démarrage du forage, abandon du forage, et profondeur totale du puits), et une référence, lorsque les données proviennent d'articles ou de rapports publiés. Les puits sont tous énumérés en fonction du numéro de fiche EPB.

L'annexe 3.2 contient des graphiques de la température en fonction de la profondeur pour chaque puits. On donne les températures en °C et les profondeurs en mètres. Quelques diagraphies ne figurent pas sur les graphiques, parce qu'elles risqueraient de compliquer inutilement certains d'entre eux; cependant, on a porté les résultats d'un nombre suffisant de diagraphies pour faire ressortir les principales caractéristiques de ces graphiques. Lorsqu'un minimum de deux diagraphies est disponible, les températures d'équilibre calculées (T_{EQ}) sont présentées. Lorsque l'information sur les puits n'est plus confidentielle, on a en général présenté une coupe géologique simplifiée en même temps que le graphique des températures. On a désigné la plupart des formations, et indiqué les principaux types de roches. Les abréviations utilisées sont:

C	charbon	Q	quartz
CH	chert	QTE	quartzite
CG	conglomérat	SA	sel
CL	argile	SD	sable
CLST	claystone	SH	argile litée
DOL	dolomite	SL	ardoise
G	granite	SLT	silstone
GR	gravier	SS	grès
IGN	roches ignées	W	matière organique
LS	calcaire		
MDST	mudstone		

Appendix 3.3 presents tables derived on the assumption that the return of the well to thermal equilibrium can be expressed by a logarithmic relationship. The mathematics have been described in some detail in Taylor and Judge (1974, p. 8-10), and are not repeated here. Where a well is instrumented with a multi-thermistor cable, the depth of each calculation corresponds to sensor depth. Where logs have been made by a single thermistor probe, the exact depths of repeated measurements do not normally coincide and therefore, for the calculation of equilibrium temperatures, the temperatures have been interpolated linearly between depths at intervals of 25 m. For each depth given in column 1 of the tables, columns 2 and 3 list the calculated equilibrium temperature in °C and the standard deviation at the depth, columns 4 and 5 list the magnitude of the heat source introduced by the drilling process and its standard deviation, and column 6 gives the time in years necessary for the temperature to return to within 0.1°C of the equilibrium temperature. In some instances in the tables the calculated values of the heat source and time are negative. Such results can arise where the equilibrium temperatures were little disturbed by drilling and results of differing accuracies have been combined. A negative heat source could appear in column 4 of the tables as a result of the hole being cooled during drilling. Such results have no other significance. Equilibrium temperatures are calculated only for wells on which two or more logs have been made. Standard deviations are given if three or more logs were made. The calculated equilibrium temperatures have been used to derive the permafrost thickness listed in Table 2.

L'annexe 3.3 contient des tableaux construits sur le principe que le processus par lequel le puits atteint un équilibre thermique peut s'exprimer par une relation logarithmique. Le développement mathématique a été décrit plus ou moins en détail par Taylor et Judge (1974, pages 8-10), et pour cette raison, on ne le reproduira pas ici. Lorsqu'un puits est exploré à l'aide d'un câble à thermistors multiples, tout niveau où l'on effectue des mesures correspond à la profondeur d'un détecteur. Lorsque les diagraphies ont été effectuées avec une sonde à thermistor unique, les niveaux auxquels on effectue des mesures répétées ne coincident habituellement pas exactement; par conséquent, pour calculer les températures d'équilibre, on a déduit par interpolation linéaire les températures en intervalles de 25 mètres. Pour chaque niveau indiqué à la colonne 1 de chaque tableau, on donne dans les colonnes 2 et 3 la température d'équilibre calculée en °C et l'écart-type à ce niveau, on indique dans les colonnes 4 et 5 l'intensité de la source thermique produite par les activités de forage, et l'écart-type qui la caractérise; à la colonne 6, on indique le temps nécessaire, exprimé en années, pour atteindre de nouveau la température d'équilibre, à 0.1°C près. Dans certains cas, on constate que dans les tableaux, les valeurs calculées de la source thermique et du temps sont négatives. Ces résultats proviennent sans doute de ce que les températures d'équilibre ont été peu modifiées par les travaux de forage, et que les diverses inexactitudes se sont ajoutées les unes aux autres. Il est possible qu'on rencontre une source de chaleur négative à la colonne 4 des tableaux, étant donné que le trou de forage a subi un refroidissement pendant le forage. Ces résultats ne présentent pas plus d'intérêt. On n'a calculé les températures d'équilibre que pour les puits qui ont fait l'objet d'au moins deux diagraphies. On donne l'écart-type s'il existe au moins trois diagraphies. On a utilisé les températures d'équilibre calculées pour déterminer l'épaisseur du pergélisol telle qu'indiquée au tableau 2.

Appendix 3.4 presents graphically the return to thermal equilibrium of each well for which there are three or more logs. Each graph is plotted with a logarithmic time scale against temperature for each depth or, in the case of single thermistor logs, each depth of interpolation. The time scale is modified to be a function of the time taken to drill the well: t_1 is the drilling time and t_2 is the time elapsed between completion and logging of the well. Each column of data points corresponds to the log measured on the date shown under it.

Ideally, all of the points at each depth should be on a straight line and the intercept of this line with the vertical axis should give the equilibrium temperature. In practice, the thermal disturbance due to drilling is a very complex process and the theory is only an approximation. Within the frozen section, the dissipation of latent heat during freezeback complicates the picture even more. To simplify reading the graphs shown in Appendix 3.4, successive points at a few depths have been joined by lines, and in some cases, early, disturbed temperature logs have been omitted.

A l'annexe 3.4, on représente graphiquement le retour à l'équilibre thermique de chaque puits ayant fait l'objet d'au moins trois diagraphies. On représente le temps à une échelle logarithmique en fonction de la température à chaque niveau, ou bien, dans le cas de diagraphies effectuées avec un thermistor unique, à chaque niveau d'interpolation. On a modifié l'échelle de temps, de manière à ce qu'elle soit fonction du temps pris pour forer le puits: t_1 est la durée du forage, et t_2 est le temps écoulé entre la complétion du puits et l'exécution des diagraphies dans le puits. Chaque colonne de points correspond à une diagraphie effectuée la date indiquée sous la colonne.

Idéalement, tous les points de chaque niveau doivent se trouver sur une ligne droite, et l'intersection de cette ligne avec l'axe verticale doit donner la température d'équilibre. En pratique, le déséquilibre thermique qui résulte du forage est un processus extrêmement complexe, et la théorie ne représente qu'une approximation. Dans la section gélisolée, la dissipation de la chaleur latente pendant le regel complique davantage la situation. Pour simplifier la lecture des graphiques présentés à l'annexe 3.4, on a relié à certains niveaux les points successifs par une ligne, et quelques-uns des premiers profils perturbés ont été omis.

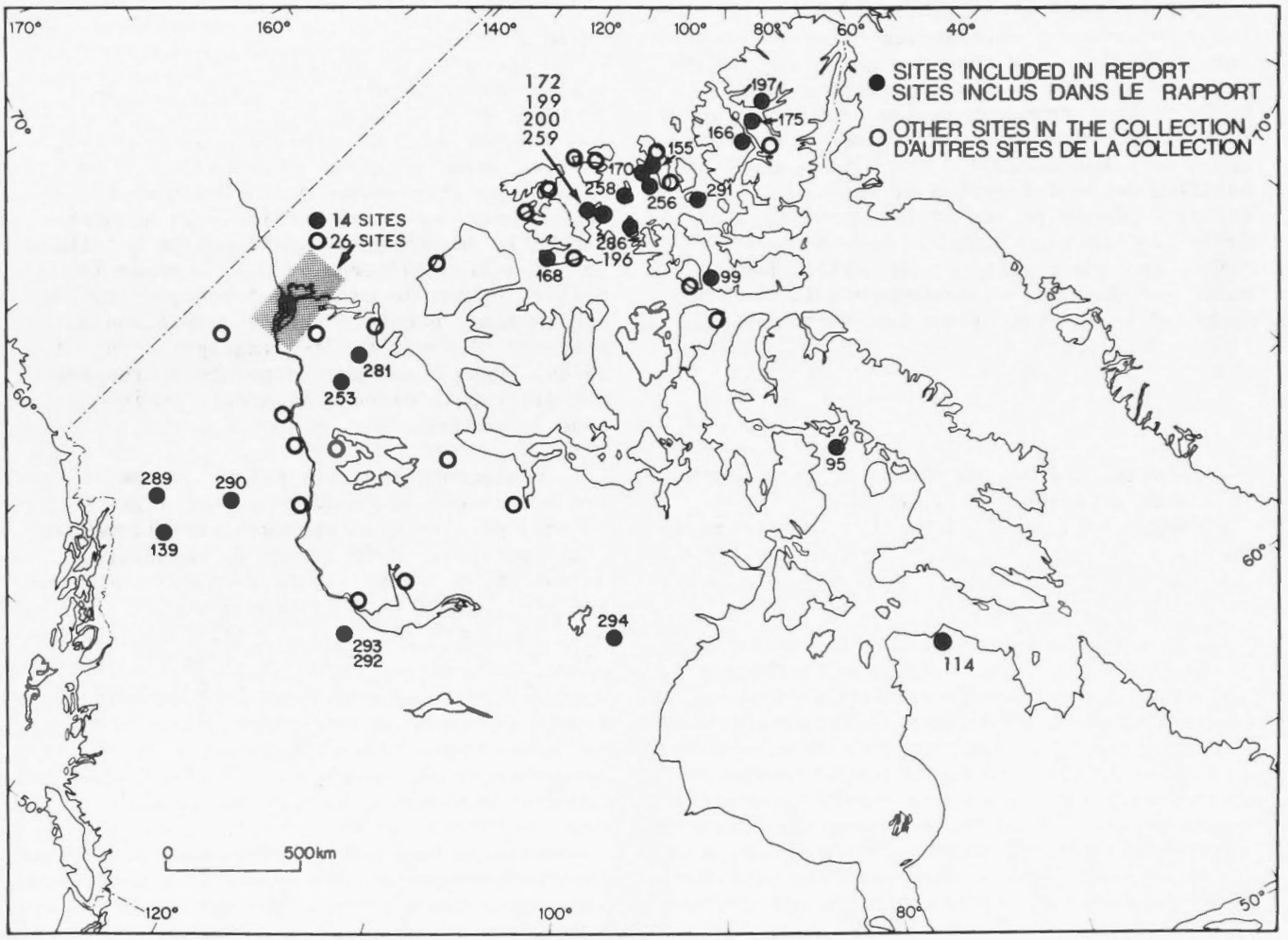


Fig.1. Location of all sites in the data collection. The numerals are Earth Physics Branch file numbers, by which data are ordered in this report.

Fig.1 Emplacement de tous les sites dans la collection. Les numéros sont ceux figurant dans le fichier de la Direction de la physique du globe, d'après lesquels les données sont rangées dans le présent rapport.

TABLE 1
SITES INCLUDED IN REPORT

TABLEAU 1
SITES INCLUS DANS LE RAPPORT

EPB NO.	SITE NAME / INDICATIF DU SITE	LATITUDE N	LONGITUDE W/O	ELEV (M)	Z(MAX) (M)	TECHNIQUE
	ARCTIC ISLANDS		**ARCHIPEL ARCTIQUE**			
95	ROWLEY N-04	69 4.0	79 3.8	48	455	S
99	DEVON E-45	75 4.3	91 48.3	244	113	S
155	KRISTOFFER BAY B-06	78 15.3	102 32.0	15	866	S
166	MOKKA A-02	79 31.2	87 1.2	253	442	M
168	OUNDAS C-80	74 39.0	113 23.0	240	667	S
170	THOR P-38	78 7.8	103 15.2	5	568	S
172	DRAKE B-44	76 23.1	108 16.1	4	352	S
175	GEMINI E-10	79 59.4	84 4.2	126	876	S
196	BENT HORN N-72	76 21.8	103 58.2	63	869	S
197	NEIL O-15	80 44.6	83 4.8	497	777	S
199	DRAKE F-78	76 27.3	108 29.4	2	277	S
200	HECLA I-69	76 18.7	110 23.3	2	738	S
256	SUTHERLAND O-23	77 42.9	102 8.5	21	477	S
258	PAT BAY A-72	77 21.0	105 27.0	17	488	S
259	DRAKE D-73	76 22.1	108 29.5	33	410	S
286	BENT HORN F-72A	76 21.5	103 58.2	43	837	S
291	CORNWALL O-30	77 29.8	94 39.0	20	496	S
	MACKENZIE DELTA		**DELTA DU MACKENZIE**			
267	TAGLU C-42	69 21.0	134 56.6	2	580	S
268	TAGLU D-43	69 22.3	134 56.8	1	550	S
269	TAGLU D-55	69 24.2	134 59.6	1	387	S
272	PARSONS L-43	68 52.6	133 41.9	49	813	S
273	KAMIK D-48	68 57.2	133 27.5	31	314	S
274	SIKU C-11	69 0.0	133 38.8	58	521	S
275	PARSONS N-17	68 56.9	133 34.0	52	744	S
277	SIKU A-12	69 1.0	133 32.5	56	551	S
279	PARSONS L-37	68 56.7	133 39.9	38	337	S
280	KUMAK E-58	69 17.5	135 14.9	2	762	S
282	TAGLU N-43	69 22.8	134 56.3	2	184	S
284	SIKU E-21	69 0.5	133 36.9	55	445	S
285	PARSONS O-20	68 59.2	133 34.4	62	708	S
287	TAGLU H-54	69 23.3	134 58.1	1	770	S
	ARCTIC MAINLAND		**ARCTIQUE CONTINENTAL**			
114	ASBESTOS HILL -8	61 49.8	73 57.1	472	260	M
139	LOGTUNG -1	60 0.5	131 36.0	1477	154	S
139	LOGTUNG -2	60 0.5	131 36.4	1575	219	S
139	LOGTUNG -3	60 0.6	131 36.2	1567	196	S
139	LOGTUNG -4	60 0.7	131 36.3	1522	187	S
253	TEDJI LAKE K-24	67 43.6	126 49.9	343	828	S
281	SADENE O-02	68 51.0	126 47.3	233	429	S
289	RED MOUNTAIN -1	60 59.6	133 45.3	1500	524	S
289	RED MOUNTAIN -2	60 59.6	133 44.7	1436	312	S
289	RED MOUNTAIN -3	60 59.6	133 44.8	1502	366	S
289	RED MOUNTAIN -4	60 59.6	133 44.7	1414	625	S
290	HOWARDS PASS	62 34.0	129 32.5	1497	523	S
292	TATHLINA LAKE	59 54.7	117 0.9	297	277	S
293	CAMERON R-13	60 2.2	117 2.8	317	911	S
294	LAC CINQUANTE -1	62 35.2	98 38.0	196	97	M
294	LAC CINQUANTE -2	62 35.3	98 38.5	199	234	M

NOTES...
1. EPB NO. = EARTH PHYSICS BRANCH SITE NUMBER, BY WHICH DATA ARE ORDERED IN THIS REPORT.
2. Z(MAX) = DEPTH OF DEEPEST TEMPERATURE LOG.
3. TEMPERATURE MEASURING TECHNIQUE:
   S = SINGLE THERMISTOR PROBE
   M = MULTITHERMISTOR CABLE

REMARQUES...
1. EPB NO. = NUMERO DU SITE ATTRIBUE PAR LA DIRECTION DE LA PHYSIQUE DU GLOBE, D'APRES LEQUEL LES DONNEES SONT RANGEES DANS LE PRESENT RAPPORT.
2. Z(MAX) = LA DIAGRAPHIE DE TEMPERATURE LA PLUS PROFONDE.
3. TECHNIQUES DE MESURE DE LA TEMPERATURE:
   S = THERMISTOR UNIQUE
   M = CABLE A THERMISTORS MULTIPLES

S E C T I O N 2

PERMAFROST DISTRIBUTION AND THICKNESS — REPARTITION ET EPAISSEUR DU PERGELISOL

One of the prime purposes of this collection is to determine the distribution and thickness of permafrost in northern Canada. Table 2 lists all the values determined from temperature data included in the collection. The information listed in the first four columns of the table is self-explanatory. Column 5 lists the "depth to an equilibrium temperature of 0°C", the permafrost thickness. This depth has been determined in a variety of ways depending on the number of logs made and the total depth logged. Where three or more logs have been run, the depth has been determined from the tables of equilibrium temperature derived for Appendix 3.3 by assuming a logarithmic return to equilibrium. The value in the column is preceded by 'E'. In cases where measurements did not completely penetrate the permafrost and temperatures have been extrapolated to greater depths, the value is preceded by 'X'. In cases where the measurements are unsuitable for extrapolation, an estimate of permafrost thickness is preceded by '>'. Many of the wells have been logged once or twice only and the listed value is derived by direct interpolation from the latest log. Such values, indicated by a plus (+) sign, probably underestimate the permafrost thickness. Some assessment of the degree of disturbance in the well may be gauged by reference to column 7, the time ratio which expresses the ratio of the time between well completion and the latest log to the drilling time. Generally, a number greater than 25 indicates measured temperatures are within 0.1°C of the final equilibrium values.

Ce recueil a surtout pour objet de nous permettre de déterminer la répartition et l'épaisseur du pergélisol dans le Grand Nord canadien. Au tableau 2 sont énumérées toutes les valeurs déterminées à partir des relevés de températures regroupés dans cet ouvrage. L'information fournie dans les quatre premières colonnes du tableau n'exige pas d'explications. A la colonne 5 on indique "la profondeur à laquelle est atteinte la température d'équilibre de 0°C", c'est-à-dire l'épaisseur du pergélisol. Le mode de détermination de la profondeur a été choisi en fonction du nombre de diagraphies réalisées et de la profondeur totale explorée par diagraphie. Lorsqu'on a pu effectuer au moins 3 diagraphies, on a déterminé la profondeur d'après les tableaux de la température d'équilibre établis pour l'annexe 3.3, en postulant que le retour à l'équilibre thermique a lieu selon une loi logarithmique. La valeur donnée dans la colonne est précédée de 'E'. Au cas où le puits n'a complètement traversé le pergélisol, et où l'on a dû déduire par extrapolation les températures régnant à plus grande profondeur, on fait précéder la valeur calculée d'un 'X'. Lorsque le puits n'a pas complètement pénétré dans le pergélisol, et que les mesures ne se prêtent pas à une extrapolation, l'épaisseur prévue du pergélisol est précédeé d'un '>'. Un grand nombre de puits ont été explorés par diagraphie une ou deux fois seulement, et les valeurs données sont dérivées par interpolation directe des résultats de la diagraphie la plus récente. Ces valeurs, indiquées par un signe plus (+) donnent probablement pour le pergélisol une épaisseur inférieure à l'épaisseur réelle. On peut évaluer dans une certaine mesure le degré de perturbation du puits, en se référant à la colonne 7, où figure le rapport entre le temps écoulé de l'achèvement des travaux du puits à la dernière diagraphie, et le temps de forage. Généralement, un nombre supérieur à 25 indique que les températures mesurées ne s'écartent pas de plus de 0.1°C des valeurs finales d'équilibre.

In wells drilled through permafrost with high ice content, most logs made within a few months of well completion have revealed a temperature jump of several degrees (for example, see Appendix 3.1, EPB file #272, Parsons L-43). On subsequent logs the depth of this jump has been found to coincide closely with the base of the permafrost, and has been interpreted as indicating the base of the frozen section. This value is given in Column 6 to a depth accuracy that is determined by the spacing of temperature observations.

Permafrost thickness may be considerably modified locally by the presence of nearby bodies of water. The distance to the nearest significant body is listed in column 8.

Finally, column 9 indicates the volume of the collection in which the most recent set of temperature data for a particular site is to be found.

Permafrost thickness and its geographical distribution are presented on the site maps, figures 2 to 7.

Detailed discussion and interpretation of the permafrost thickness will be published elsewhere.

Dans les puits forés dans un pergélisol à forte teneur de glace, la plupart des diagraphies effectuées durant les quelques mois après l'achèvement des travaux des puits manifestent souvent une saute de température de plusieurs degrés (par exemple, voir annexe 3.1, fichier EPB 272, Parsons L-43). On a constaté que sur les diagraphies ultérieures, la profondeur à laquelle se produit cette saute de température coincide étroitement avec la base du pergélisol, et on la considère généralement comme la base de la section gélisolée. On peut trouver cette valeur dans la colonne 6, et la profondeur est donnée avec une précision qui dépend de l'espacement des relevés de température.

L'épaisseur du pergélisol peut être considérablement influencée localement par la présence de masses d'eau proches. La distance de la masse d'eau la plus proche et de dimensions appréciables est donnée à la colonne 8.

Finalement, la colonne 9 précise dans quel volume de la collection on peut trouver le groupe de données le plus récent sur les températures qui caractérisent un site particulier.

L'épaisseur du pergélisol et sa répartition sont indiquées sur les cartes aux figures 2 à 7.

L'étude détaillée et l'interprétation des données relatives à l'épaisseur du pergélisol seront publiées dans un autre ouvrage.

TABLE 2 PERMAFROST THICKNESS

TABLEAU 2 EPAISSEUR DU PERGELISOL

EPB NO.	SITE NAME INDIFICAT DU SITE	LATITUDE N	LONGITUDE W/O	Z 0°C (M)	Z FROZEN GELEE (M)	T2/T1	DISTANCE TO WATER BODY DISTANCE DE LA MASSE D'EAU (KM)	REF
ARCTIC ISLANDS					**ARCHIPEL ARCTIQUE**			
197	NEIL O-15	80 44.6	83 4.8	E 549		43	4.5	12
175	GEMINI E-10	79 59.4	84 4.2	E 502		18	>10	12
97	FOSHEIM N-27	79 36.9	84 43.3	300+		.02	>10	1
166	MOKKA A-02	79 31.2	87 1.2	EX500		15	3	12
169	LOUISE BAY O-25	78 44.9	102 42.8	E 256		19	>10	10
171	DOME BAY P-36	78 25.9	103 15.8	X 660		12	7	3
155	KRISTOFFER BAY B-06	78 15.3	102 32.0	E 445		25	.3	12
170	THOR P-38	78 7.8	103 15.2	E 336		105	.1	12
86	HOODOO DOME H-37	78 6.5	99 45.6	E 306		8.7	>10	10
158	BROCK I-20	77 59.7	114 33.9	E 429		24	5	10
87	WILKINS E-60	77 59.3	111 21.7	271+		1.1	9	1
195	LINCKENS ISLAND P-46	77 45.8	97 45.4	E 253		27	.81	11
256	SUTHERLAND O-23	77 42.9	102 8.5	E 316		5.4	1	12
291	CORNWALL O-30	77 29.8	94 39.0	325+		1.6	2	12
258	PAT BAY A-72	77 21.8	105 27.0	300+		29	2	12
91	JAMESON BAY C-31	76 40.2	116 43.7	E 483		13.5	12	3
199	DRAKE E-78	76 27.3	108 29.4	E 171		114	.1	12
198	DRAKE O-68	76 27.1	108 55.7	E 264		.5	12	3
172	DRAKE B-44	76 23.1	108 16.1	E 188		83	.2	12
259	DRAKE O-73	76 22.1	108 29.5	E 288		87	6	12
196	BENT HORN N-72	76 21.8	103 58.2	E 726	680+-15	14	2	12
286	BENT HORN F-72A	76 21.5	103 58.2	E 661		29	2	12
200	HECLA I-69	76 18.7	110 23.3	E 143		39	.02	12
257	PEDDER POINT O-49	75 38.2	118 48.3	E 343		31	7	10
99	DEVON E-45	75 4.3	91 48.3	X 600+		40	1.6	12
73	WINTER HARBOUR	74 48.1	110 30.6	E 535		19	1	1
0	RESOLUTE 1	74 41.0	94 53.8	X 380			.1	1
55	LOBITOS RESOLUTE L-41	74 40.7	94 44.6	EX600		34	1.3	1
168	DUNDAS C-80	74 39.0	113 23.0	E 577		28	>10	12
92	GARNIER O-21	73 40.9	90 36.8	500+		.02	2	1
98	STORKERSON BAY A-15	72 54.0	124 33.5	X 500		3.1	1.6	1
95	ROWLEY M-04	69 4.0	79 3.8	E 400		156	3	12
MACKENZIE DELTA					**DELTA DU MACKENZIE**			
261	KIMIK O-29	69 38.1	132 22.2	X 663		38	.3	10
266	IVIK J-26	69 35.7	134 20.6	X 500		13	.5	10
262	ATERTAK E-41	69 30.5	132 42.1	535+		40	.5	10
165	KILAGMIOTAK F-48	69 27.5	134 11.9	X 600		8	.2	11
263	PIKIOLIK M-26	69 25.9	132 37.4	362+		33	.3	6
265	MALLIK A-06	69 25.0	134 30.3	> 250		7	.3	6
255	ADGO P-25	69 24.9	135 50.5	0		3.5	0	6
269	TAGLU O-55	69 24.2	134 59.6	500+		28	1	12
288	GARRY P-04	69 23.8	135 30.3	502+		17	0.4	11
287	TAGLU H-54	69 23.3	134 58.1	E 533	504+-15	9	0.2	12
264	PIKIOLIK E-54	69 23.2	132 44.6	432+		34	.2	10
282	TAGLU N-43	69 22.8	134 56.3	> 270		300	0.5	12
268	TAGLU O-43	69 22.3	134 56.8	X 620		30	.3	12
267	TAGLU C-42	69 21.0	134 56.6	X 600+		22	.2	12
173	NIGLINTGAK H-30	69 19.4	135 20.1	E 146		12	.2	11
270	NIGLINTGAK M-19	69 18.8	135 19.4	> 140		1.3	.2	6
278	NIGLINTGAK B-19	69 18.2	135 18.3	E 173	168+-15	13	.5	11
280	KUMAK E-58	69 17.5	135 14.9	E 273		12	.2	12
254	YA YA A-28	69 17.2	134 35.5	EX656		15	.3	11
176	YA YA P-53	69 12.8	134 42.7	E 435	402+-15	19	.3	11
271	NORTH ELLICE J-23	69 12.6	135 51.2	E 74	52+- 8	6	.2	11
167	UNIPKAT I-22	69 11.7	135 20.5	E 85		11	.1	11
260	RED FOX P-21	69 10.8	133 35.0	> 575		9	.15	10
63	REINDEER O-27	69 6.1	134 36.9	E 370	338+-15	25	.2	11
177	TITALIK K-26	69 5.5	135 6.3	65+		1.0	.2	1
179	REINDEER F-36	69 5.3	134 39.0	EX357	338+- 8	35	.2	11
277	SIKU A-12	69 1.0	133 32.5	E 360	343+- 8	35	.2	12
284	SIKU E-21	69 0.5	133 36.9	E 393	389+- 8	17	0.5	12
274	SIKU C-11	69 0.0	133 38.8	E 378	358+- 8	26	.2	12
178	PARSONS N-10	68 59.8	133 31.8	E 354	341+-15	20	.3	11
285	PARSONS O-20	68 59.2	133 34.4	E 365	352+- 8	82	0.1	12
273	KAMIK O-48	68 57.2	133 27.5	EX370		11	1	12
194	ATIGI O-48	68 57.0	133 56.1	EX584	564+-15	32	.1	11
275	PARSONS N-17	68 56.9	133 34.0	E 355	320+-15	10	.1	12
279	PARSONS L-37	68 56.7	133 39.9	X 300+	312+- 8	12	.1	12
192	KUGPIK O-13	68 52.8	135 18.2	E 85		9	.1	11
272	PARSONS L-43	68 52.6	133 41.9	E 294	259+-15	31	.2	12
193	IKHIL I-37	68 46.6	134 7.8	E 346	341+- 8	7	1	11
276	ULU A-35	68 44.0	135 52.9	E 98		3.5	.4	11
89	BEAVER HOUSE H-13	68 22.3	135 33.0	E 197		10	1.5	3

TABLE 2 PERMAFROST THICKNESS

TABLEAU 2 EPAISSEUR DU PERGELISOL

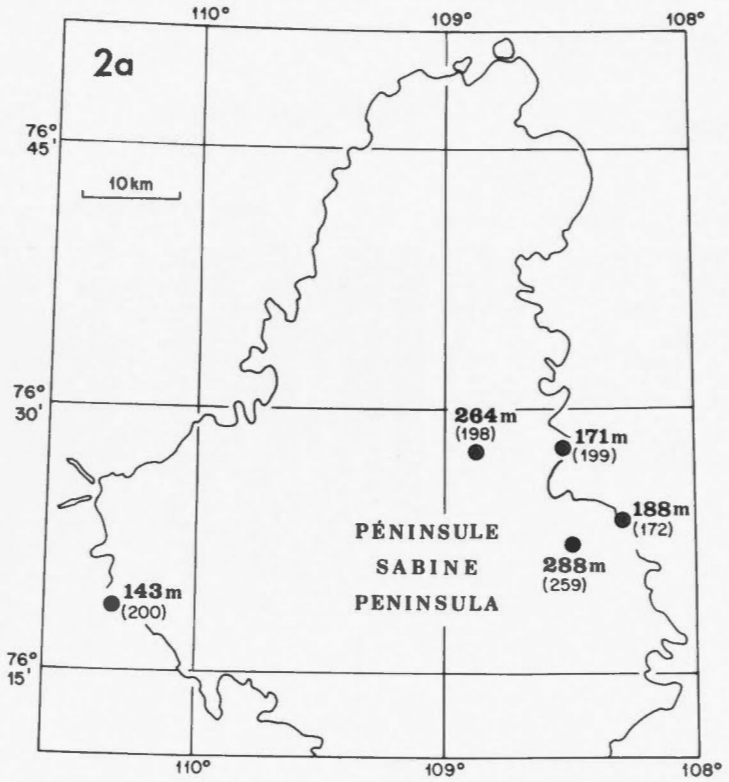
EPB NO.	SITE NAME / INDIFICAT DU SITE	LATITUDE N	LONGITUDE W/O	Z 0°C (M)	Z FROZEN / GELEE (M)	T2/T1	DISTANCE TO WATER BODY / DISTANCE DE LA MASSE D'EAU (KM)	REF
ARCTIC MAINLAND							**ARCTIQUE CONTINENTAL**	
77	HORTON RIVER G-02	69 51.4	127 15.9	E 141		48	7	11
281	SADENE O-02	68 51.0	126 47.3	309+	314+- 8	22	2	12
76	KUGALUK N-02	68 32.0	131 31.3	E 102		4	.5	1
253	TEDJI LAKE K-24	67 43.6	126 49.9	E 449		50	.2	12
0	MUSKOX NORTH	67 5.5	115 16.5	350+		.1	1	1
0	MUSKOX SOUTH	67 .5	115 13.0	160+		7	.05	1
62	NORTH CATH B-62	66 11.2	136 41.6	E 89		25	6	1
190	HACKETT RIVER 190-1	65 55.0	108 28.2	500+			2	3
190	HACKETT RIVER 190-2	65 55.0	108 28.2	500+			2	3
100	HUME RIVER D-53	65 52.0	129 11.0	35+		23	.2	1
151	WEST WHITEFISH H-34	65 33.4	124 35.7	E 112		34	2	3
88	NORMAN WELLS CANOL 30X	65 17.2	126 51.9	143+			.9	1
88	NORMAN WELLS CANOL 19X	65 17.1	126 52.8	58+			.2	1
88	NORMAN WELLS CANOL 18X	65 17.1	126 52.0	76+			.6	1
88	NORMAN WELLS CANOL 7X	65 17.0	126 50.8	128+			.3	1
0	NORMAN WELLS CANOL 33X	65 16.9	126 50.5	62+			.3	1
88	NORMAN WELLS BEAR I 13	65 15.5	126 53.3	67+			.4	1
88	NORMAN WELLS BEAR I 7	65 15.4	126 52.9	52+			.5	1
94	DAHADINNI M-43A	63 53.0	124 39.3	E 51		5	>10	3
294	LAC CINQUANTE -2	62 35.3	98 38.5	X 400+		11	.3	12
294	LAC CINQUANTE -1	62 35.2	98 38.0	X 400+		.3	.8	12
290	HOWARDS PASS	62 34.0	129 32.5	0		25	>10	12
66	YELLOWKNIFE	62 30.5	114 25.3	0		18	.08	1
114	ASBESTOS HILL -8	61 49.8	73 57.1	X 500+		13	10	12
114	ASBESTOS HILL -7	61 49.4	73 57.3	X 500+		100	10	11
114	ASBESTOS HILL -3	61 49.3	73 57.7	X 540+		.4	10	6
114	ASBESTOS HILL -6	61 49.2	73 57.6	X 500+		100	10	11
114	ASBESTOS HILL -1	61 48.9	73 57.9	X 500+		6	10	6
114	ASBESTOS HILL -2	61 47.8	73 58.4	X 500+		365	10	10
283	KENTY LAKE -1	61 29.2	74 26.4	X 500		78	0.5	11
70	PROVIDENCE A-47	61 26.2	117 22.5	0		78	>10	1
289	RED MOUNTAIN -1	60 59.6	133 45.3	0		21	>10	12
289	RED MOUNTAIN -2	60 59.6	133 44.7	0		2.6	>10	12
289	RED MOUNTAIN -3	60 59.6	133 44.8	0		0.2	>10	12
289	RED MOUNTAIN -4	60 59.6	133 44.7	0		0.5	>10	12
293	CAMERON B-13	60 2.2	117 2.8	0		8	>10	12
139	LOGTUNG -4	60 0.7	131 36.3	0		53	>10	12
139	LOGTUNG -3	60 0.6	131 36.2	0		94	>10	12
139	LOGTUNG -1	60 0.5	131 36.0	0		150	>10	12
139	LOGTUNG -2	60 0.5	131 36.4	0		109	>10	12
292	TATHLINA LAKE	59 58.7	117 0.9	0		22	>10	12

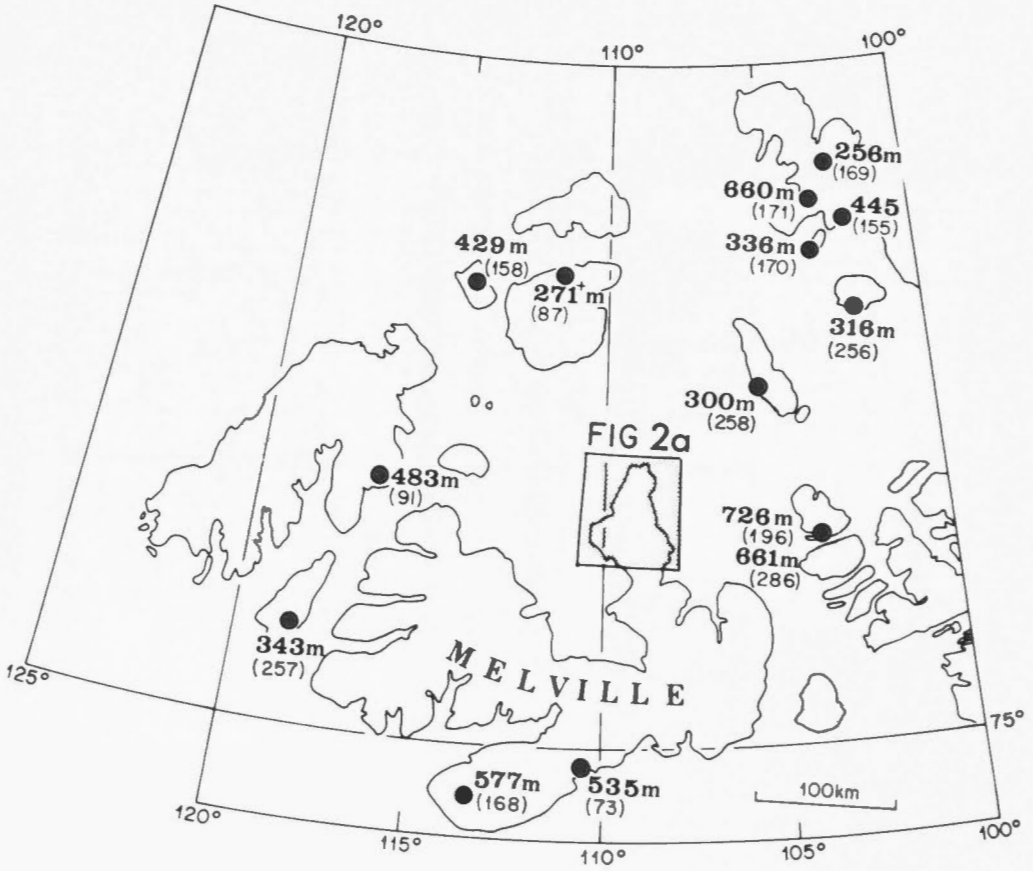
NOTES...

1. EPB NO. = EARTH PHYSICS BRANCH SITE NUMBER. EARLY SITES TAKEN FROM THE LITERATURE ARE REFERRED TO AS EPB NO. 0.
2. Z(0°C) OBTAINED FROM:
   - LOGARITHMIC RETURN TO EQUILIBRIUM TABLES ("E").
   - EXTRAPOLATION TO GREATER DEPTHS ("X").
   - DIRECT INTERPOLATION FROM LATEST LOG ("+").
   - LOGS NOT SUITABLE FOR EXTRAPOLATION (">").
3. T2 = TIME BETWEEN DRILLING COMPLETION AND LATEST LOG.
   T1 = DRILLING TIME.
4. REF = WHERE DATA IS PUBLISHED:
   - 1. TAYLOR AND JUDGE,1974.
   - 3. TAYLOR AND JUDGE,1975.
   - 6. TAYLOR AND JUDGE,1976.
   - 10. TAYLOR AND JUDGE,1977.
   - 11. JUDGE, TAYLOR AND BURGESS, 1979.
   - 12. THIS VOLUME.

REMARQUES...

1. EPB NO. = INDICATIF DU SITE DONNE PAR LA DIRECTION DE LA PHYSIQUE DU GLOBE. SITES ANCIENS EXTRAITS DE LA DOCUMENTATION SONT DESIGNES PAR L'INDICATIF 0.
2. Z(0°C) EST OBTENU:
   - DES TABLEAUX INDIQUANT EN FONCTION D'UNE ECHELLE LOGARITHMIQUE LE RETOUR A L'EQUILIBRE THERMIQUE ("E").
   - D'UNE EXTRAPOLATION A DES NIVEAUX PLUS PROFONDS ("X").
   - D'UNE INTERPOLATION DIRECTE DE LA DIAGRAPHIE LA PLUS RECENTE ("+").
   - DIAGRAPHIES NE PERMETTANT PAS UNE EXTRAPOLATION (">").
3. T2 = TEMPS ECOULE ENTRE LA COMPLETION DU FORAGE ET LA DIAGRAPHIE LA PLUS RECENTE
   T1 = TEMPS DE FORAGE.
4. REF = REFERENCE OU LES DONNEES ONT ETE PUBLIEES:
   - 1. TAYLOR ET JUDGE,1974.
   - 3. TAYLOR ET JUDGE,1975.
   - 6. TAYLOR ET JUDGE,1976.
   - 10. TAYLOR ET JUDGE,1977.
   - 11. JUDGE, TAYLOR ET BURGESS, 1979.
   - 12. LE PRESENTE VOLUME.


2a
110°
109°
108°
76° 45'
76° 30'
76° 15'
10km
264m (198)
171m (199)
188m (172)
288m (259)
143m (200)
PÉNINSULE SABINE PENINSULA


120°
110°
100°
256m (169)
660m (171)
445 (155)
336m (170)
429m (158)
271+m (87)
316m (256)
300m (258)
FIG 2a
483m (91)
726m (196)
661m (286)
343m (257)
MELVILLE
577m (168)
535m (73)
100km
125°
120°
115°
110°
105°
100°
75°

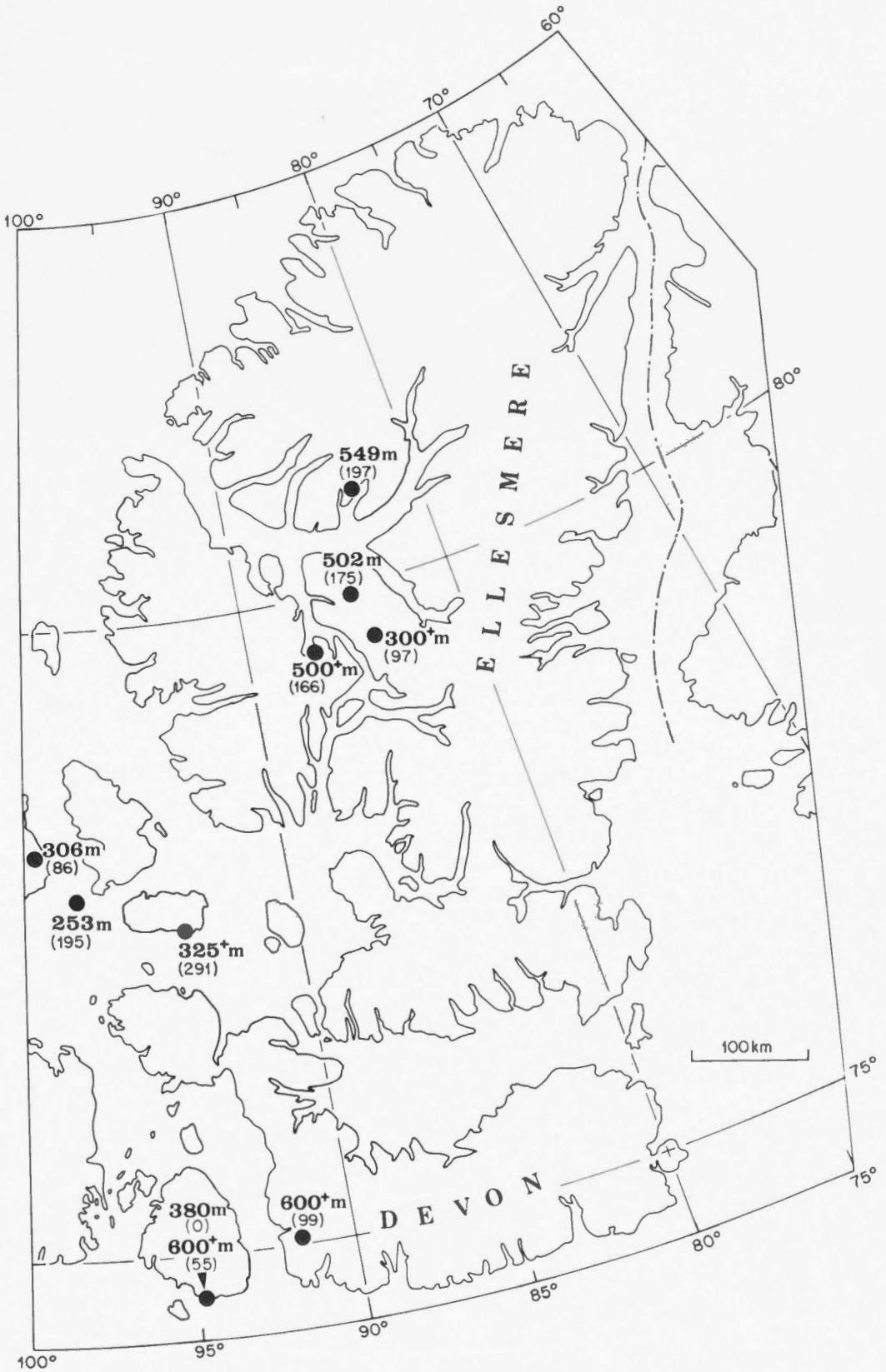


Figure 2. Site locations and permafrost thicknesses (metres) for the Arctic Islands. The numerals in brackets are Earth Physics Branch file numbers as used in Tables 1 and 2.

Figure 2. Emplacement des sites et épaisseur du pergélisol (mètres) pour les îles de l'Arctique. Les numéros entre parenthèses, sont ceux figurant dans le fichier de la Direction de la physique du globe, et utilisés aux tableaux 1 et 2.

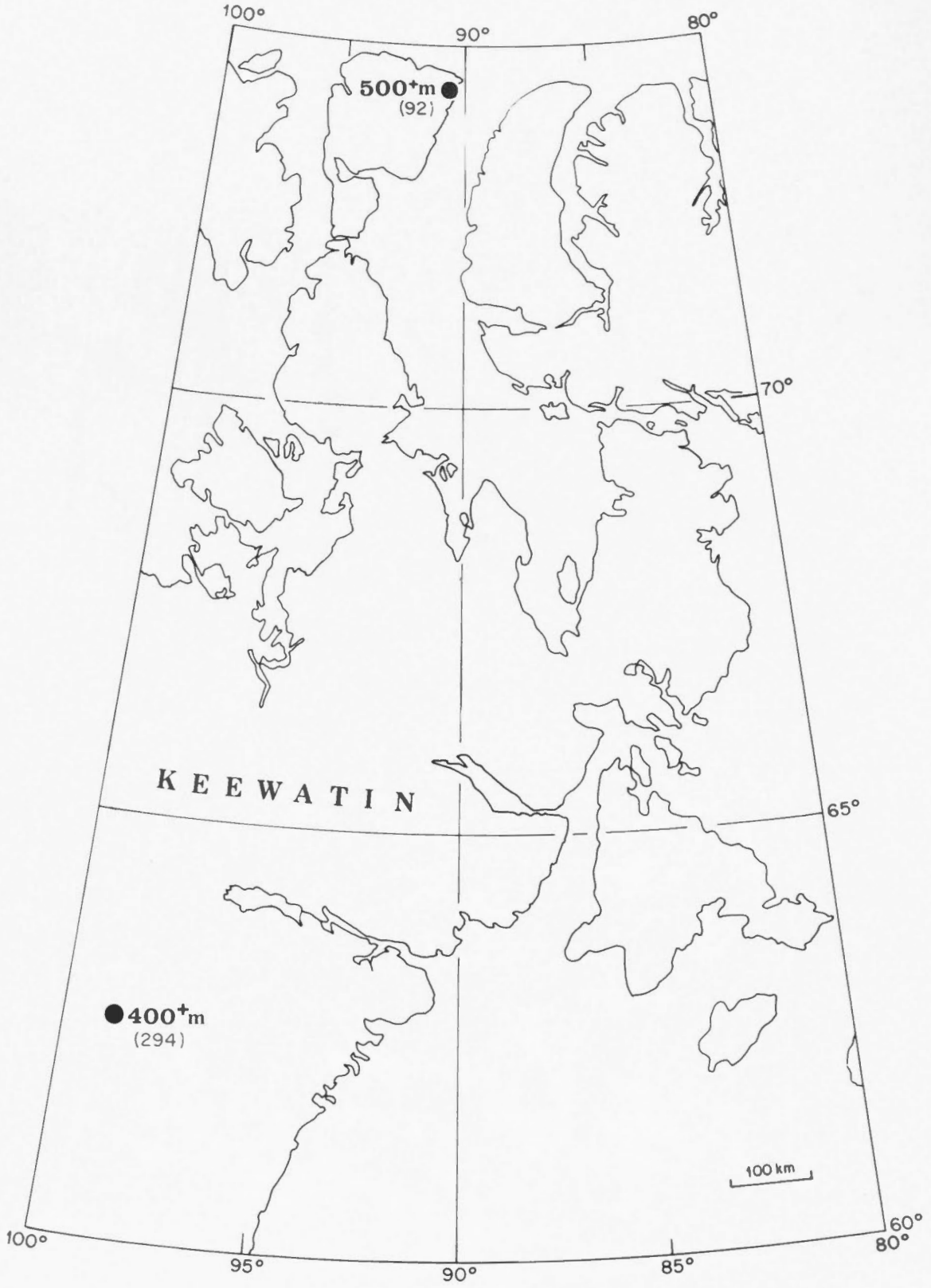
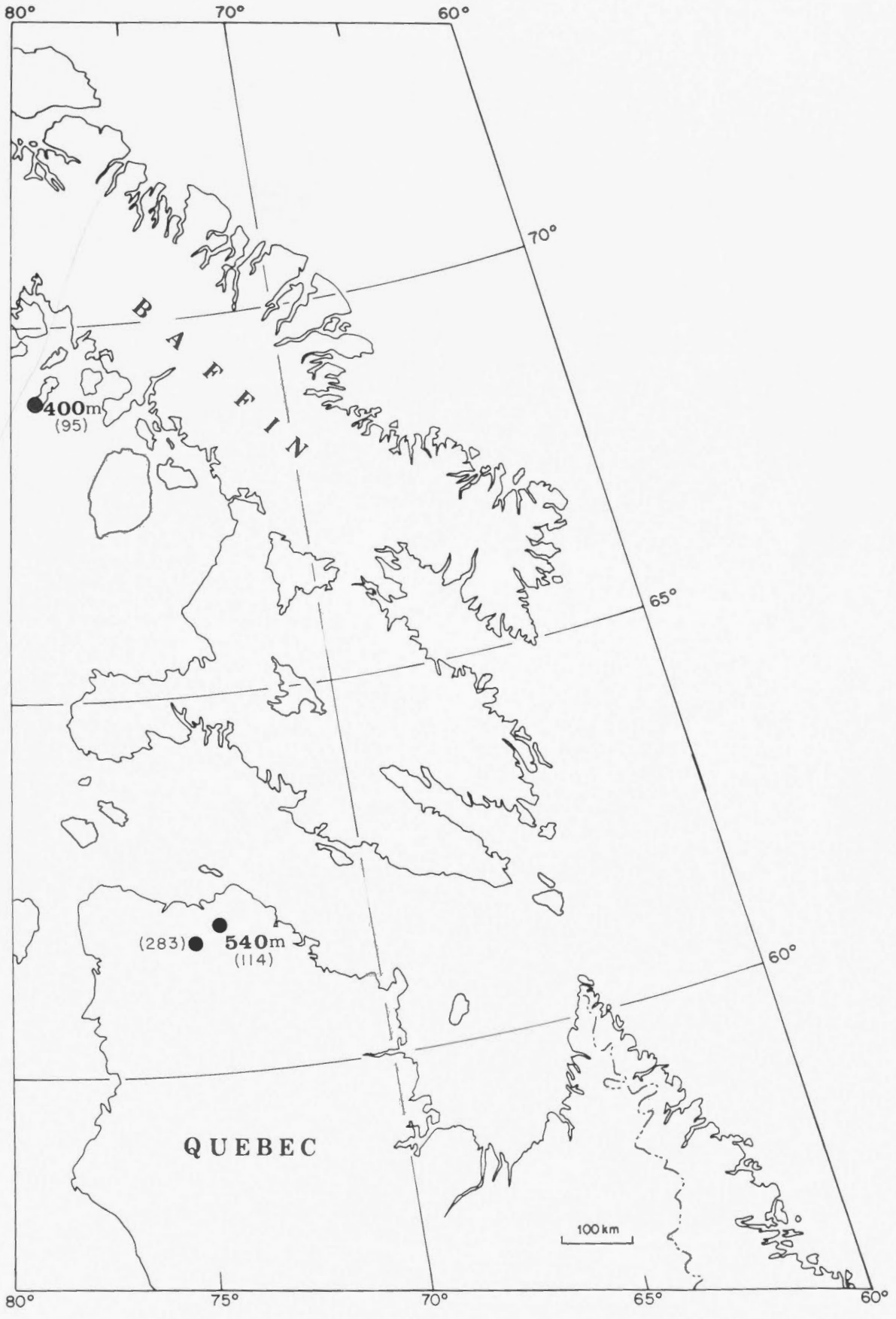


Figure 3. Site locations and permafrost thicknesses (metres) in the Eastern Arctic. The numerals in brackets are Earth Physics Branch file numbers.

Figure 3. Emplacement des sites et épaisseur du pergélisol (mètres) dans l'est de l'Arctique. Les numéros entre parenthèses sont ceux qui figurent dans le fichier de la Direction de la physique du globe.


80°
70°
60°
70°
65°
60°
80°
75°
70°
65°
60°
BAFFIN
400m
(95)
(283)
540m
(114)
QUEBEC
100 km

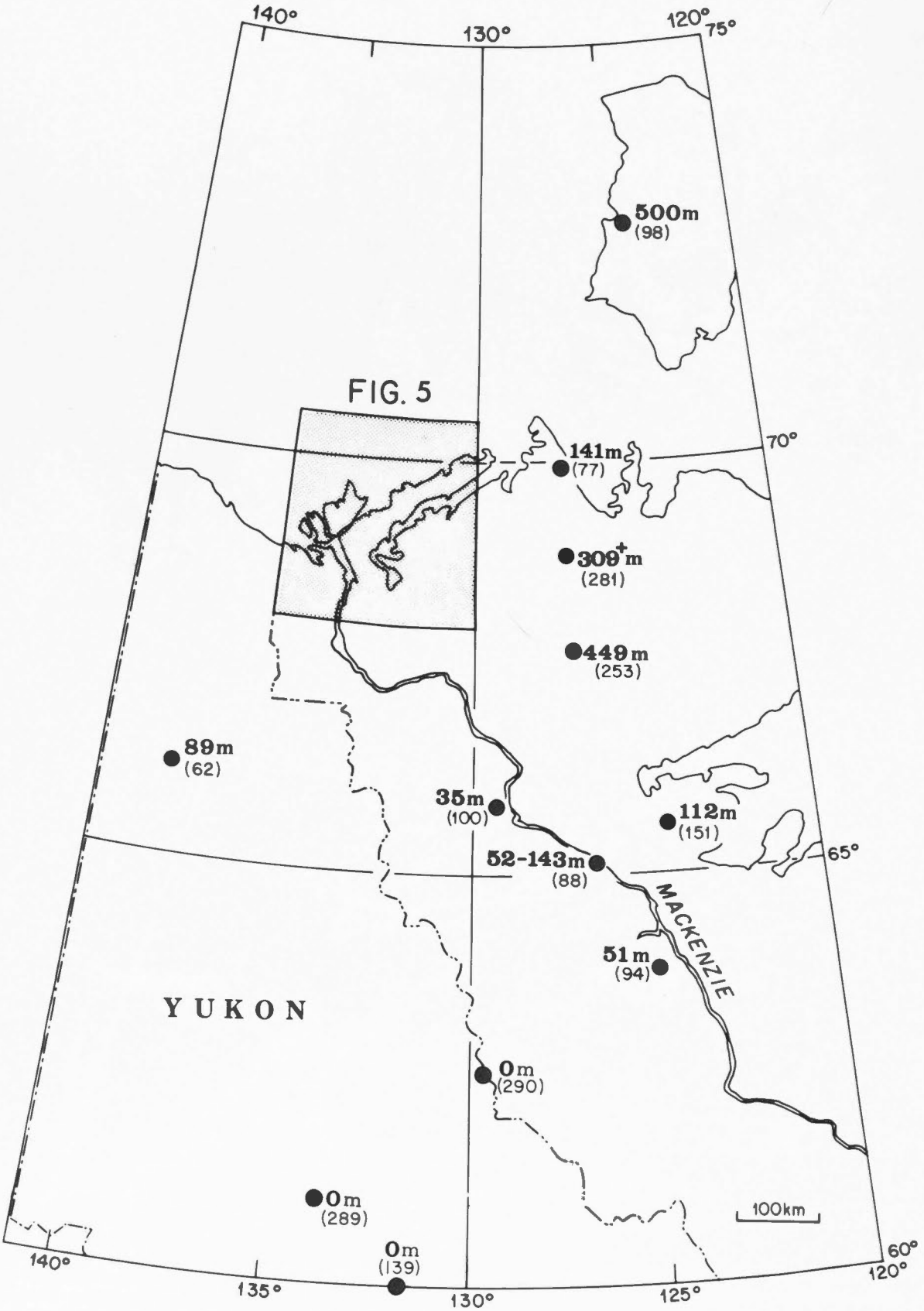

140°
130°
120°
75°
500m
(98)
FIG. 5
70°
141m
(77)
309+m
(281)
449m
(253)
89m
(62)
35m
(100)
112m
(151)
52-143m
(88)
65°
MACKENZIE
51m
(94)
YUKON
0m
(290)
0m
(289)
100km
0m
(139)
140°
135°
130°
125°
120°
60°

Figure 4. Site locations and permafrost thicknesses (metres) in the Western Arctic. The numerals in brackets are Earth Physics Branch file numbers.

Figure 4. Emplacement des sites et épaisseur du pergélisol (mètres) dans l'ouest de l'Arctique. Les numéros entre parenthèses sont ceux qui figurent dans le fichier de la Direction de la physique du globe.

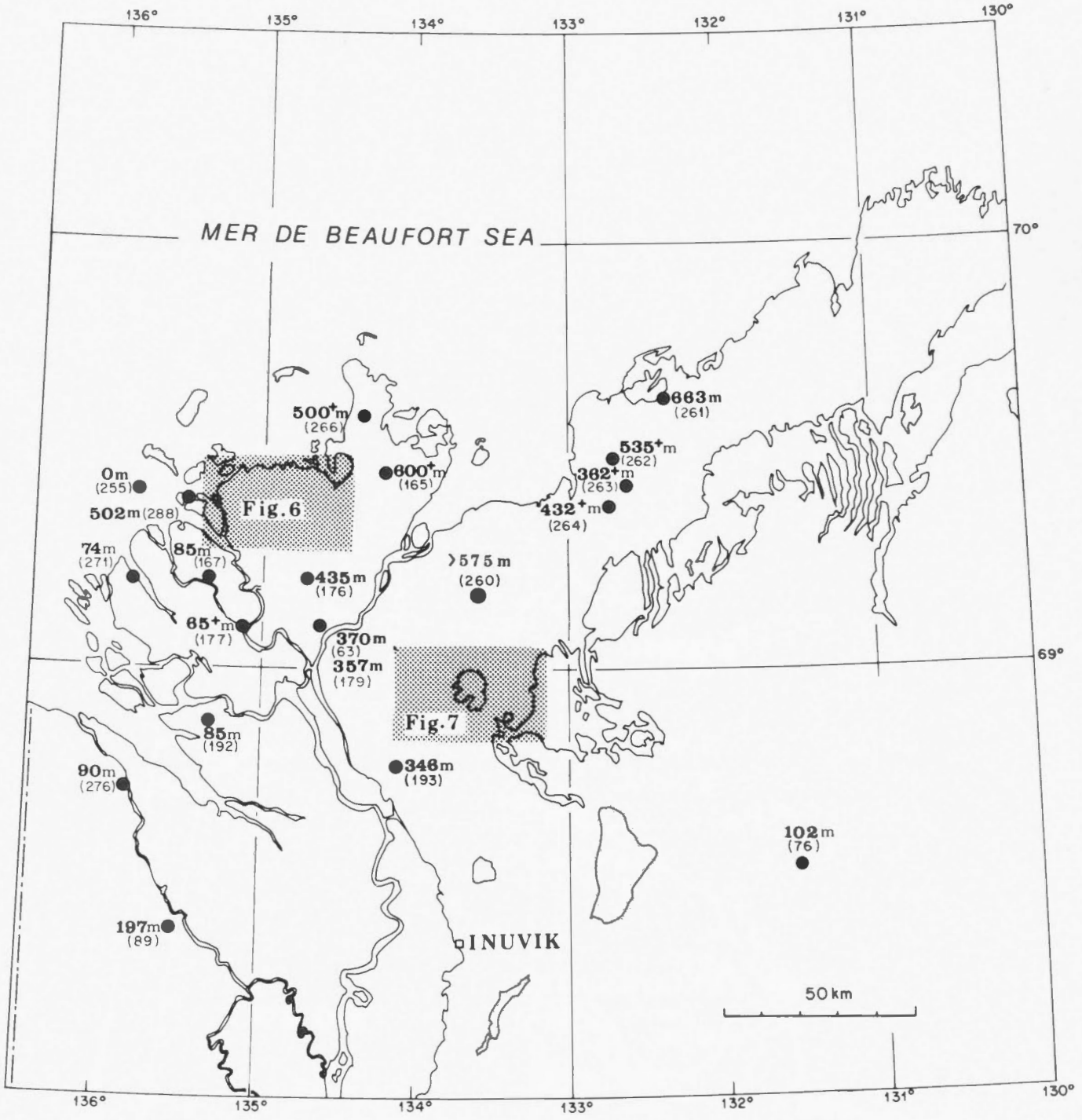
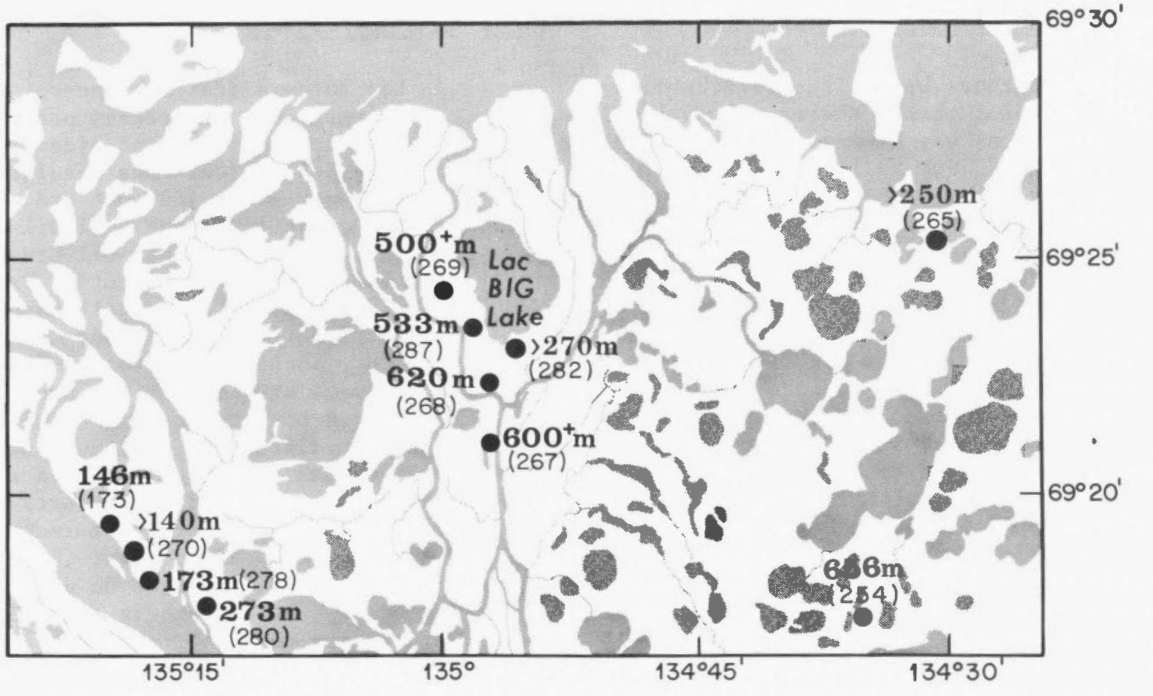


Figure 5. Site locations and permafrost thicknesses (metres) in the Mackenzie Delta and Tuktoyaktuk Peninsula area. The numerals in brackets are Earth Physics Branch file numbers.

Figure 5. Emplacement des sites et épaisseur du pergélisol (mètres) dans la région du delta du Mackenzie et de la péninsule de Tuktoyaktuk. Les numéros en parenthèses sont ceux qui figurent dans le fichier de la Direction de la physique du globe.



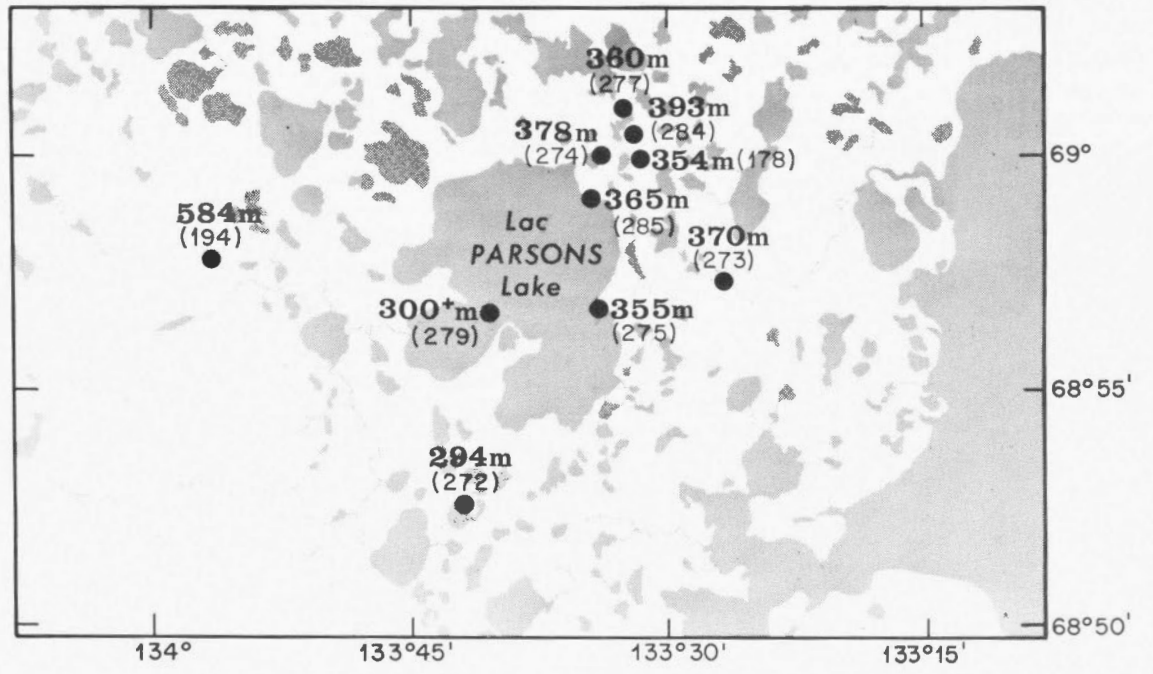


Figure 6. (upper). Site locations and permafrost thicknesses (metres) in the Richards Island, Mackenzie Delta area.

Figure 7. (lower). Site locations and permafrost thicknesses in the Parsons Lake, Mackenzie Delta area. The numerals in brackets are Earth Physics Branch file numbers.

Figure 6 (en haut). Emplacement des sites et épaisseur du pergélisol (metres) dans la région de l'île Richards, delta du Mackenzie.

Figure 7 (en bas). Emplacement des sites et épaisseur du pergélisol dans la région du lac Parsons, delta du Mackenzie. Les numéros en parenthèses sont ceux qui figurent dans le fichier de la Direction de la physique du globe.

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Les résultats rassemblés dans le présent rapport font partie intégrante d'un projet que poursuit dans le Grand Nord de façon ininterrompue le Service géothermique de la Direction de la physique du globe, du Ministère de l'Energie, des Mines et des Ressources.

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S E C T I O N 3

APPENDICES ANNEXES

3.1 Tables of Temperature versus Depth

3.1 Tableaux de la température en fonction de la profondeur

EARTH PHYSICS BRANCH NO. 95 ROWLEY M-04

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 4.0 MINUTES NORTH
79 DEGREES 3.8 MINUTES WEST

69 DEGRES 4.0 MINUTES NORD
79 DEGRES 3.8 MINUTES OUEST

ELEVATION 48 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 72 5 20		DATE 72 7 12		DATE 73 5 2		DATE 74 5 14		DATE 80 8 20	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
15.2	-7.81	10.7	-2.46	14.9	-8.23	7.2	-9.94	7.5	-9.79
33.5	-8.19	19.2	-3.31	30.8	-8.17	15.0	-8.48	16.1	-9.02
45.7	-8.19	26.8	-8.00	45.7	-8.20	22.2	-8.36	23.5	-8.63
64.0	-8.08	34.4	-8.13	61.9	-8.09	30.0	-8.25	31.9	-8.44
76.2	-7.86	42.4	-8.18	76.8	-7.91	37.8	-8.21	39.3	-8.31
93.9	-7.63	50.0	-8.16	92.4	-7.67	45.0	-8.20	46.4	-8.18
106.7	-7.28	57.9	-8.12	107.6	-7.32	52.5	-8.17	54.5	-8.09
124.4	-6.91	65.5	-8.05	122.8	-6.95	60.3	-8.11	61.6	-8.02
137.2	-6.48	73.5	-7.96	138.1	-6.54	67.8	-8.03	70.3	-7.93
155.1	-6.00	81.1	-7.87	153.6	-6.08	75.0	-7.95	79.8	-7.82
167.6	-5.59	89.0	-7.75	168.9	-5.65	82.5	-7.84	85.4	-7.73
185.3	-5.14	96.9	-7.62	184.1	-5.18	90.0	-7.71	92.5	-7.61
198.1	-4.64	104.5	-7.45	199.0	-4.70	97.5	-7.54	100.2	-7.45
216.4	-4.13	112.2	-7.29	214.0	-4.19	105.0	-7.41	108.6	-7.26
228.6	-3.71	120.1	-7.11	229.5	-3.72	112.5	-7.23	116.3	-7.08
246.6	-3.23	128.0	-6.90	245.1	-3.27	120.3	-7.03	123.8	-6.89
259.1	-2.77	135.9	-6.70	260.3	-2.84	127.8	-6.85	132.1	-6.72
276.8	-2.41	143.9	-6.50	275.2	-2.42	135.0	-6.67	139.6	-6.49
289.6	-2.04	151.5	-6.28	290.8	-2.10	142.5	-6.43	147.3	-6.25
307.2	-1.61	159.1	-6.03	306.0	-1.63	150.3	-6.18	154.7	-6.05
320.0	-1.52	167.0	-5.79	321.0	-1.51	157.5	-6.00	162.8	-5.85
338.0	-1.40	175.0	-5.55	335.9	-1.39	165.3	-5.79	170.2	-5.62
350.5	-1.22	182.3	-5.35	351.1	-1.22	172.8	-5.56	178.2	-5.36
368.5	-1.03	190.5	-5.13	366.4	-.97	180.3	-5.34	185.7	-5.13
381.0	-.60	197.8	-4.88	381.6	-.67	187.8	-5.10	194.0	-4.87
399.3	.35	205.7	-4.64	396.9	.21	195.0	-4.90	202.1	-4.61
411.5	.78	213.7	-4.35	412.4	.77	202.8	-4.63	208.9	-4.36
429.5	1.03	221.3	-4.14	427.6	1.02	210.0	-4.35	216.9	-4.16
435.9	1.12	228.9	-3.90	437.1	1.16	217.8	-4.12	225.0	-3.88
		237.1	-3.67			224.7	-3.90	232.4	-3.66
		244.8	-3.45			232.5	-3.69	240.1	-3.42
		252.4	-3.23			240.0	-3.48	247.6	-3.20
		260.3	-3.01			247.5	-3.25	255.9	-2.97
		268.2	-2.79			255.0	-3.04	263.7	-2.76
		275.8	-2.58			262.5	-2.84	271.4	-2.54
		283.8	-2.38			270.0	-2.62	278.5	-2.32
		291.4	-2.20			277.5	-2.39	286.5	-2.13
		299.6	-2.02			285.0	-2.22	294.0	-1.93
		307.2	-1.79			292.2	-2.05	301.7	-1.73
		314.9	-1.59			300.0	-1.87	309.1	-1.57
		322.8	-1.52			307.8	-1.67	317.2	-1.54
		330.7	-1.49			315.0	-1.56	325.2	-1.50
		338.3	-1.44			322.8	-1.52	332.4	-1.45
		345.9	-1.37			330.3	-1.47	340.4	-1.40
		353.6	-1.27			337.5	-1.41	348.1	-1.29
		361.5	-1.20			345.0	-1.32	355.9	-1.23
		369.4	-1.09			353.1	-1.24	363.9	-1.11
		377.3	-1.03			360.0	-1.15	371.3	-1.08
		385.0	-.85			367.5	-1.05	379.4	-.91
		392.6	-.65			375.3	-.95	386.8	-.70
		400.5	-.43			382.5	-.80	394.5	-.51
		408.4	.30			390.0	-.63	402.3	.38
		419.1	.61			397.5	-.30	410.3	.64
		424.0	.78			405.0	.55	417.8	.78
		431.6	.93			412.5	.73	425.8	.94
		439.8	1.04			420.0	.87	433.5	1.06
		447.1	1.16			427.5	1.00	441.0	1.14
		455.1	1.13			435.0	1.10		
						438.0	1.15		

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. LOGGING OF THIS HOLE IS COMPLETE AND IT HAS BEEN OFFICIALLY ABANDONED BY THE EARTH PHYSICS BRANCH.

AQUITAINE ET AL ROWLEY M-04
-WELL SPUDDED 71 8 5
-DRILLING FOR 21 DAYS
-TOTAL DEPTH 535 METRES
-DRILLING STOPPED 71 8 26
-WELL ABANDONED 71 9 2

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. LE SONDAGE DE CE PUITS EST TERMINE ET LA DIRECTION DE LA PHYSIQUE DU GLOBE L'A OFFICIELLEMENT ABANDONNE.

AQUITAINE ET AL ROWLEY M-04
-DEMARRAGE DU PUITS LE 71 8 5
-FORAGE PENDANT 21 JOURS
-PROFONDEUR TOTALE 535 METRES
-FORAGE ARRETE LE 71 8 26
-ABANDON DU PUITS LE 71 9 2

EARTH PHYSICS BRANCH NO. 99 DEVON E-45

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

75 DEGREES 4.3 MINUTES NORTH
91 DEGREES 48.3 MINUTES WEST

75 DEGRES 4.3 MINUTES NORD
91 DEGRES 48.3 MINUTES OUEST

ELEVATION 244 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 72 5 18		DATE 73 5 6		DATE 74 5 15		DATE 75 5 4		DATE 80 5 14	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
37.5	-12.61	15.5	-14.09	7.4	-15.41	7.6	-15.90	8.0	-16.12
64.0	-12.45	31.1	-13.77	15.1	-14.35	15.5	-14.52	16.4	-14.64
94.5	-12.07	46.9	-13.73	22.0	-14.12	22.9	-14.22	31.3	-14.22
		62.2	-13.60	29.7	-14.01	30.5	-14.11	39.4	-14.09
		77.4	-13.46	37.2	-13.93	33.5	-14.05	46.5	-14.02
		93.0	-13.24	44.7	-13.89	41.1	-13.99	54.3	-13.93
		106.1	-12.99	52.1	-13.85	48.8	-13.93	62.0	-13.82
				59.8	-13.76	56.7	-13.86	71.6	-13.70
				66.9	-13.71	64.0	-13.78	79.4	-13.62
				74.4	-13.63	71.6	-13.72	87.1	-13.50
				81.9	-13.53	79.2	-13.64	94.9	-13.38
				89.3	-13.42	86.9	-13.53	102.9	-13.24
				96.7	-13.32	94.5	-13.40	113.1	-13.12
				104.2	-13.20	102.1	-13.28		
						108.5	-13.13		

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

IOE PANARCTIC ET AL DEVON ISLAND E-45
-WELL SPUDDED 71 12 16
-DRILLING FOR 75 DAYS
-TOTAL DEPTH 1838 METRES
-DRILLING STOPPED 72 2 29
-WELL ABANDONED 72 3 5

IOE PANARCTIC ET AL DEVON ISLAND E-45
-DEMARRAGE DU PUITS LE 71 12 16
-FORAGE PENDANT 75 JOURS
-PROFONDEUR TOTALE 1838 METRES
-FORAGE ARRETE LE 72 2 29
-ABANDON DU PUITS LE 72 3 5

EARTH PHYSICS BRANCH NO. 114 ASBESTOS HILL -8

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

61 DEGREES 49.8 MINUTES NORTH
73 DEGREES 57.1 MINUTES WEST

61 DEGRES 49.8 MINUTES NORD
73 DEGRES 57.1 MINUTES OUEST

ELEVATION 472 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
79 1 30

Z(M)	T(C)
14.7	-5.64
29.4	-5.84
58.8	-5.74
88.0	-5.61
117.0	-5.27
145.8	-5.07
174.5	-4.69
203.1	-4.27
231.4	-3.95
259.6	-3.62

TEMPERATURE RESULTS ARE OBTAINED FROM A MULTITHERMISTOR CABLE. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR D'UN CABLE A THERMISTORS MULTIPLES. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

SOC. ASBESTOS/ASBESTOS CORP. 78-AH-198
-WELL SPUDDED 78 8 26
-DRILLING FOR 11 DAYS

-DRILLING STOPPED 78 9 6

SOC. ASBESTOS/ASBESTOS CORP. 78-AH-198
-DEMARRAGE DU PUITS LE 78 8 26
-FORAGE PENDANT 11 JOURS

-FORAGE ARRETE LE 78 9 6

WELL DIRECTIONALLY DRILLED. DEPTHS IN TABLES HAVE BEEN CONVERTED TO VERTICAL.

FORAGE OBLIQUE DU PUITS. PROFONDEURS INDIQUEES DANS LES TABLES ONT ETE RAMENEES A LA VERTICALE.

EARTH PHYSICS BRANCH NO.
139 LOGTUNG -1
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

60 DEGREES .5 MINUTES NORTH
131 DEGREES 36.0 MINUTES WEST

60 DEGRES .5 MINUTES NORD
131 DEGRES 36.0 MINUTES OUEST

ELEVATION 1477 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
80 8 15

Z(M)	T(C)
15.7	2.37
23.7	2.35
30.5	2.37
38.8	2.38
46.2	2.39
53.9	2.51
61.9	3.05
69.6	3.44
76.7	3.63
85.0	3.85
92.4	4.06
100.1	4.28
108.1	4.52
116.1	4.74
122.9	4.90
130.6	5.08
138.6	5.28
146.6	5.54
153.6	5.73

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

AMAX LOGTUNG LT-77-12
-WELL SPUDDED 77 9 27
-DRILLING FOR 7 DAYS
-TOTAL DEPTH 167 METRES
-DRILLING STOPPED 77 10 3

AMAX LOGTUNG LT-77-12
-DEMARRAGE DU PUITS LE 77 9 27
-FORAGE PENDANT 7 JOURS
-PROFONDEUR TOTALE 167 METRES
-FORAGE ARRETE LE 77 10 3

WATER FLOWING IN TOP OF HOLE

ECOULEMENT D'EAU DANS LA PARTIE SUPERIEURE DU FORAGE

EARTH PHYSICS BRANCH NO. 139 LOGTUNG -2

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

60 DEGREES .5 MINUTES NORTH
131 DEGREES 36.4 MINUTES WEST

60 DEGRES .5 MINUTES NORD
131 DEGRES 36.4 MINUTES OUEST

ELEVATION 1575 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
80 8 15

Z(M)	T(C)
60.4	1.21
75.5	1.46
90.2	1.69
107.5	1.81
120.7	2.51
138.2	2.88
150.6	3.24
166.3	3.62
184.4	3.96
195.9	4.32
211.3	4.72
214.8	4.95

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

AMAX LOGTUNG LT-78-17
-WELL SPUDDED 78 7 9
-DRILLING FOR 7 DAYS
-TOTAL DEPTH 260 METRES
-DRILLING STOPPED 78 7 15

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

AMAX LOGTUNG LT-78-17
-DEMARRAGE DU PUITS LE 78 7 9
-FORAGE PENDANT 7 JOURS
-PROFONDEUR TOTALE 260 METRES
-FORAGE ARRETE LE 78 7 15

EARTH PHYSICS BRANCH NO.
139 LOGTUN. -3
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

53 DEGREES .0 MINUTES NORTH
131 DEGREES 36.2 MINUTES WEST

60 DEGRES .6 MINUTES NORD
131 DEGRES 36.2 MINUTES OUEST

ELEVATION 1567 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
80 8 15

Z(M)	T(C)
29.9	1.00
45.0	1.07
60.4	1.42
75.5	1.81
90.2	2.25
105.9	2.59
120.7	2.92
135.5	3.26
150.9	3.63
166.2	4.02
181.3	4.42
196.1	4.82

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

AMAX LOGTUNG LT-78-19
-WELL SPUDDED 78 7 21
-DRILLING FOR 8 DAYS
-TOTAL DEPTH 240 METRES
-DRILLING STOPPED 78 7 28

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

AMAX LOGTUNG LT-78-19
-DEMARRAGE DU PUITS LE 78 7 21
-FORAGE PENDANT 8 JOURS
-PROFONDEUR TOTALE 240 METRES
-FORAGE ARRETE LE 78 7 28

EARTH PHYSICS BRANCH NO.
139 LOGTUNG -4
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

60 DEGREES .7 MINUTES NORTH
131 DEGREES 36.3 MINUTES WEST

60 DEGRES .7 MINUTES NORD
131 DEGRES 36.3 MINUTES OUEST

ELEVATION 1522 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
80 8 15

Z(M)	T(C)
22.6	.93
29.9	.98
37.7	1.06
45.3	1.13
52.5	1.21
60.1	1.32
67.9	1.48
75.8	1.62
83.3	1.77
90.2	2.12
97.8	2.39
105.9	2.61
113.1	2.79
120.3	2.99
128.4	3.23
135.5	3.43
143.1	3.63
150.2	3.84
158.0	4.07
165.5	4.27
173.0	4.50
180.5	4.73
186.8	4.96

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

AMAX LOGTUNG LT-78-20
-WELL SPUDDED 78 7 27
-DRILLING FOR 14 DAYS
-TOTAL DEPTH 209 METRES
-DRILLING STOPPED 78 8 9

AMAX LOGTUNG LT-78-20
-DEMARRAGE DU PUITS LE 78 7 27
-FORAGE PENDANT 14 JOURS
-PROFONDEUR TOTALE 209 METRES
-FORAGE ARRETE LE 78 8 9

EARTH PHYSICS BRANCH NO. 155 KRISTOFFER BAY B-06

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

78 DEGREES 15.3 MINUTES NORTH
102 DEGREES 32.0 MINUTES WEST

78 DEGRES 15.3 MINUTES NORD
102 DEGRES 32.0 MINUTES OUEST

ELEVATION 15 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 72 5 11		DATE 72 9 14		DATE 73 5 13		DATE 74 5 20		DATE 75 5 14		DATE 76 5 13		DATE 80 5 16	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
31.1	-10.60	55.5	-10.22	15.2	-16.72	15.2	-17.29	32.3	-15.81	30.5	-16.02	15.8	-17.73
61.6	-10.56	86.0	-9.44	30.5	-15.27	30.2	-15.96	63.4	-14.46	61.0	-14.62	31.0	-16.23
92.0	-9.08	116.4	-8.33	45.7	-14.53	45.1	-15.09	97.2	-13.33	91.1	-13.66	46.5	-15.43
122.5	-7.63	146.9	-7.28	61.0	-14.01	59.8	-14.50	132.3	-11.66	121.6	-12.46	69.7	-14.42
153.0	-6.28	177.4	-6.39	75.9	-13.49	74.7	-14.03	165.2	-10.58	152.1	-11.22	93.3	-13.48
183.2	-4.84	207.9	-5.56	91.4	-12.79	89.6	-13.35	196.0	-9.64	182.6	-10.38	116.6	-12.57
213.7	-3.51	238.4	-4.28	106.7	-12.20	104.6	-12.75	226.5	-8.59	213.4	-9.27	139.8	-11.70
243.8	-2.47	268.8	-2.83	121.9	-11.58	119.5	-12.16	256.9	-7.22	243.8	-8.22	162.7	-10.97
274.3	-1.26	299.3	-1.83	136.9	-11.00	134.5	-11.60	287.4	-6.06	274.0	-6.87	186.3	-10.19
304.5	-1.17	314.6	-1.44	152.4	-10.50	149.4	-11.05	317.6	-5.06	304.5	-5.77	209.6	-9.43
335.0	-1.63	329.8	-1.22	167.6	-9.98	164.3	-10.56	348.4	-4.10	335.0	-4.69	233.4	-8.55
365.5	.52	345.0	-1.17	182.9	-9.51	179.6	-10.06	378.6	-2.84	365.8	-3.72	255.7	-7.72
395.6	2.84	360.3	-1.00	197.8	-8.98	194.5	-9.57	409.0	-1.42	395.9	-2.44	279.3	-6.59
426.1	4.11	390.8	.56	213.4	-8.52	209.5	-9.17	439.5	.23	426.7	-1.31	302.2	-5.86
456.6	5.96	421.2	1.89	228.6	-7.87	224.4	-8.58	470.0	2.09	457.2	1.18	325.5	-5.11
		451.7	3.67	243.8	-7.06	239.3	-7.91	500.5	3.71	487.7	2.83	348.7	-4.39
		482.2	5.00	259.1	-6.45	254.0	-7.26	531.3	5.55	517.9	4.53	372.3	-3.47
		512.7	6.22	274.3	-5.82	269.0	-6.69	561.7	7.14	549.3	6.27	395.2	-2.35
		543.2	8.22	289.6	-5.21	283.9	-6.04	591.9	8.68	579.1	7.81	418.5	-1.40
		573.6	9.56	304.5	-4.72	298.8	-5.53	622.4	10.31	609.3	9.39	441.7	.23
		604.1	11.00	320.0	-4.12	313.8	-5.12	652.9	11.51	639.8	10.86	465.3	1.54
		634.6	12.39	335.3	-3.64	328.7	-4.56	683.4	12.80	670.3	12.06	488.2	2.78
		665.1	13.50	350.5	-3.26	343.7	-4.07	713.8	14.13	700.7	13.40	511.5	4.10
				365.8	-2.78	358.6	-3.57	744.3	15.52	731.2	14.77	534.7	5.43
				381.0	-2.04	373.5	-2.94	774.8	16.74	761.7	16.07	558.0	6.72
				396.2	-1.23	388.8	-2.22	805.3	18.00	792.2	17.26	581.2	7.82
				411.8	-.61	403.4	-1.51	835.8	19.21	822.7	18.48	604.5	9.05
				426.4	.06	418.6	-.98	866.2	20.54	853.1	19.75	627.7	10.27
				442.0	1.16	433.3	-.24					651.3	11.22
				457.5	2.05	448.2	1.01					674.5	12.18
				472.1	2.82	463.1	1.80					697.8	13.18
				487.7	3.65	478.1	2.65					720.7	14.24
				503.2	4.50	493.3	3.38					744.0	15.28
				518.2	5.34	508.0	4.26					767.2	16.26
				533.4	6.25	523.2	5.14					813.7	18.10
				548.6	7.04	537.9	5.96					829.5	18.71
				563.9	7.77	552.8	6.79						
				579.1	9.53	567.7	7.48						
				594.4	9.32	583.0	8.28						
				609.6	10.12	597.7	9.02						
				624.8	10.91	612.6	9.83						
				640.1	11.51	627.8	10.60						
				655.3	12.09	642.5	11.19						
				670.9	12.75	657.7	11.77						
				685.8	13.36	672.3	12.40						
				701.0	14.02	687.3	13.02						
				716.6	14.72	702.2	13.67						
				731.9	15.40	717.1	14.33						
				746.8	16.03	732.4	15.07						
				762.0	16.67	747.1	15.66						
				777.5	17.26	762.0	16.30						
				792.5	17.85	776.9	16.89						
						791.9	17.45						
						806.8	18.09						
						821.8	18.67						
						836.7	19.27						

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

PANARCTIC TENNECO ET AL KRISTOFFER BAY B
-WELL SPUDDED 71 11 9
-DRILLING FOR 119 DAYS
-TOTAL DEPTH 3925 METRES
-DRILLING STOPPED 72 3 8
-WELL ABANDONED 72 3 17

PANARCTIC TENNECO ET AL KRISTOFFER BAY B
-DEMARRAGE DU PUITS LE 71 11 9
-FORAGE PENDANT 119 JOURS
-PROFONDEUR TOTALE 3925 METRES
-FORAGE ARRETE LE 72 3 8
-ABANDON DU PUITS LE 72 3 17

EARTH PHYSICS BRANCH NO. 166 MOKKA A-02

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

79 DEGREES 31.2 MINUTES NORTH — 79 DEGRES 31.2 MINUTES NORD
87 DEGREES 1.2 MINUTES WEST — 87 DEGRES 1.2 MINUTES OUEST

ELEVATION 253 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

	DATE 73 4 14	DATE 74 5 23	DATE 75 5 13	DATE 76 5 8	DATE 78 5 25	DATE 80 5 15
Z(M)	T(C)	T(C)	T(C)	T(C)	T(C)	T(C)
0.0	-2.80					
15.2	-4.40			-14.20	-15.00	-14.80
30.5	-6.10	-12.90	-13.10	-14.10	-14.40	-14.50
45.7	-7.80	-12.60	-13.10	-13.70	-14.00	-14.30
61.0	-7.80	-12.40	-13.10	-13.80		-14.20
76.2	-7.20	-12.20	-12.40	-13.50	-13.70	-13.90
91.4	-6.70	-11.70		-13.20	-13.50	-13.60
106.7	-6.10	-11.20	-11.80	-12.70	-12.90	-13.10
121.9						
137.2		-10.40	-11.00	-11.70	-11.90	-12.10
152.4	-6.10	-9.70		-10.60	-10.70	-10.70
167.6	-5.60	-9.10	-9.60	-10.40	-10.50	-10.60
182.9	-6.70	-8.90	-9.40	-9.80	-10.10	-10.30
198.1	-5.60	-8.10	-8.90	-9.40	-9.40	-9.50
213.4	-5.60	-7.60	-8.20	-8.80	-9.00	-9.20
228.6	-6.70	-7.30	-7.90	-8.60	-8.80	-8.90
243.8	-6.70	-6.90	-7.50	-8.10		-8.20
259.1	-5.00	-6.30	-7.40	-7.50	-7.50	-7.80
274.3	-5.00	-5.90	-6.70		-7.30	-7.30
289.6	-4.40	-5.50	-6.20	-6.70	-7.40	-7.10
320.0	-5.60	-4.60	-5.40	-5.90	-6.40	-6.60
350.5	-3.90	-3.70	-4.40	-4.60	-4.60	-4.40
381.0	-4.40	-2.50	-3.30	-3.70	-4.00	-4.10
411.5	-3.90	-1.70	-2.20	-2.80	-3.00	-3.10
442.0	-3.90	-1.00	-1.20	-1.90	-2.00	-2.00

TEMPERATURE RESULTS ARE OBTAINED FROM A MULTITHERMISTOR CABLE. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR D'UN CABLE A THERMISTORS MULTIPLES. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

IMPERIAL PANARCTIC ET AL MOKKA A-02
- -WELL SPUDDED 72 10 17
- -DRILLING FOR 170 DAYS
- -TOTAL DEPTH 3300 METRES
- -DRILLING STOPPED 73 4 5
- -WELL ABANDONED 73 4 15

IMPERIAL PANARCTIC ET AL MOKKA A-02
- -DEMARRAGE DU PUITS LE 72 10 17
- -FORAGE PENDANT 170 JOURS
- -PROFONDEUR TOTALE 3300 METRES
- -FORAGE ARRETE LE 73 4 5
- -ABANDON DU PUITS LE 73 4 15

CABLE INSTALLED ON OUTSIDE OF CASING BY IMPERIAL OIL LTD. LOG OF 14 04 73 TAKEN BY IMPERIAL.

CABLE INSTALLE SUR LA PAROI EXTERIEURE DU TUBAGE PAR IMPERIAL OIL LTD. SONDAGE DU 14 04 73 PRIS PAR IMPERIAL.

EARTH PHYSICS BRANCH NO.
168 DUNDAS C-80
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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74 DEGREES 39.0 MINUTES NORTH
113 DEGREES 23.0 MINUTES WEST

74 DEGRES 39.0 MINUTES NORD
113 DEGRES 23.0 MINUTES OUEST

ELEVATION 240 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 73 4 28		DATE 74 5 25		DATE 75 5 7		DATE 76 5 19		DATE 78 5 26		DATE 80 5 12	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
20.7	-12.90	16.5	-13.41	11.3	-14.66	15.8	-14.79	8.0	-16.00	16.1	-15.66
44.5	-12.54	31.7	-14.19	26.5	-14.17	30.8	-14.44	16.9	-15.16	31.6	-14.86
95.1	-11.37	46.6	-14.13	34.1	-14.29	45.7	-14.41	31.3	-14.71	46.8	-14.50
141.0	-9.49	61.9	-13.80	49.4	-14.31	61.0	-14.22	47.0	-14.50	62.6	-14.21
177.5	-8.75	77.4	-13.43	64.6	-14.01	76.2	-13.85	63.6	-14.23	78.1	-13.88
212.0	-7.86	93.3	-13.10	79.9	-13.61	91.4	-13.53	77.4	-13.90	93.6	-13.52
243.7	-6.66	108.8	-12.62	95.1	-13.25	107.0	-13.07	92.8	-13.50	108.8	-13.09
276.4	-5.62	125.0	-11.82	110.3	-12.75	122.2	-12.41	107.8	-13.09	124.0	-12.36
307.3	-4.80	140.2	-11.25	125.6	-12.01	137.5	-11.78	123.5	-12.49	139.8	-11.74
338.2	-3.60	155.8	-10.85	140.8	-11.53	152.7	-11.33	138.9	-11.82	155.3	-11.30
369.1	-2.88	171.3	-10.54	156.1	-11.06	167.6	-10.99	154.2	-11.36	170.8	-10.98
399.6	-2.61	186.8	-10.19	171.3	-10.72	182.9	-10.66	169.6	-11.01	186.0	-10.64
430.1	-1.73	202.7	-9.86	186.5	-10.39	198.1	-10.33	185.0	-10.70	201.8	-10.31
460.6	-1.16	218.5	-9.48	201.8	-10.06	213.4	-10.02	200.6	-10.34	217.0	-9.99
491.0	-.72	236.5	-8.93	217.0	-9.74	228.6	-9.64	216.0	-10.03	232.8	-9.60
521.5	.03	253.3	-8.53	232.3	-9.29	244.1	-9.24	232.3	-9.60	248.0	-9.20
551.7	1.65	269.1	-8.00	247.5	-8.89	259.1	-8.86	246.4	-9.31	263.8	-8.76
582.5	2.93	284.7	-7.52	262.7	-8.43	274.3	-8.34	261.8	-8.82	279.0	-8.22
613.0	3.91	300.8	-7.26	278.0	-7.89	289.6	-7.87	277.5	-8.24	294.5	-7.83
643.4	4.97	316.7	-6.70	293.2	-7.58	304.8	-7.59	292.5	-7.84	310.3	-7.48
652.6	5.21	331.6	-6.21	308.5	-7.22	320.3	-7.15	307.9	-7.54	326.1	-7.01
		346.6	-5.63	323.7	-6.67	335.3	-6.59	323.3	-7.02	341.0	-6.36
		361.2	-5.27	339.5	-6.08	350.5	-6.09	338.6	-6.53	356.5	-5.85
		376.4	-5.10	354.8	-5.61	365.8	-5.71	354.0	-5.92	372.3	-5.55
		391.1	-4.78	370.3	-5.38	381.0	-5.47	369.3	-5.58	387.8	-5.34
		406.3	-4.48	385.6	-5.16	396.2	-5.21	384.7	-5.38	403.3	-5.03
		421.2	-4.17	416.4	-4.58	411.5	-4.92	400.4	-5.09	418.5	-4.78
		435.9	-3.62	447.4	-3.63	426.7	-4.66	415.4	-4.81	434.0	-4.34
		450.8	-3.25	478.2	-3.00	442.0	-4.18	431.1	-4.42	449.5	-3.87
		465.7	-3.01	508.7	-2.10	457.5	-3.66	446.1	-3.96	465.3	-3.60
		480.7	-2.64	539.5	-1.24	472.4	-3.42	461.5	-3.65	480.5	-3.22
		495.6	-2.25	570.3	.18	487.7	-2.92	476.9	-3.34	496.3	-2.75
		510.5	-1.78	601.1	1.37	503.2	-2.50	491.9	-2.87	511.5	-2.30
		525.5	-1.31	631.9	2.65	518.2	-2.07	507.6	-2.42	527.0	-1.88
		540.4	-.71	659.6	3.75	533.7	-1.46	522.9	-1.98	542.5	-1.40
		555.3	-.04			548.9	-1.04	538.6	-1.44	558.0	-.70
		570.3	.59			564.2	-.33	554.0	-.83	573.5	-.01
		585.2	1.16			579.1	.21	570.3	-.08	589.3	.62
		600.2	1.81			594.4	.83	584.4	.53	604.8	1.22
		615.1	2.52			609.9	1.44	599.8	1.06	620.3	1.97
		630.0	3.13			625.1	2.15	615.1	1.77	635.8	2.38
		645.3	3.77			640.4	2.74	630.5	2.36	651.0	3.12
		659.9	3.86			655.3	3.35	645.8	3.00	666.5	3.59
						658.4	3.50	661.2	3.42		

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. LOGGING OF THIS HOLE IS COMPLETE AND IT HAS BEEN OFFICIALLY ABANDONED BY THE EARTH PHYSICS BRANCH.

PANARCTIC DOME DUNDAS C-80
-WELL SPUDDED 72 10 14
-DRILLING FOR 97 DAYS
-TOTAL DEPTH 4000 METRES
-WELL ABANDONED 73 1 19

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. LE SONDAGE DE CE PUITS EST TERMINE ET LA DIRECTION DE LA PHYSIQUE DU GLOBE L'A OFFICIELLEMENT ABANDONNE.

PANARCTIC DOME DUNDAS C-80
-DEMARRAGE DU PUITS LE 72 10 14
-FORAGE PENDANT 97 JOURS
-PROFONDEUR TOTALE 4000 METRES
-ABANDON DU PUITS LE 73 1 19

EARTH PHYSICS BRANCH NO.
170 THOR P-38
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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78 DEGREES 7.8 MINUTES NORTH
103 DEGREES 15.2 MINUTES WEST

78 DEGRES 7.8 MINUTES NORD
103 DEGRES 15.2 MINUTES OUEST

ELEVATION 5 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 72 9 13		DATE 73 5 11		DATE 74 5 19		DATE 75 5 15		DATE 76 5 13		DATE 80 5 16	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
25.3	-14.72	14.9	-16.54	14.9	-16.74	30.8	-15.92	30.5	-15.97	15.5	-17.36
55.8	-13.72	30.8	-15.86	31.1	-15.92	61.0	-15.61	61.3	-15.03	31.0	-16.20
86.3	-12.67	45.8	-15.33	46.6	-15.45	91.4	-13.96	91.4	-13.58	54.3	-15.29
116.7	-11.78	61.1	-14.78	62.2	-14.90	121.9	-12.89	121.9	-12.95	79.4	-14.40
147.2	-10.28	76.4	-14.17	77.1	-14.34	152.7	-10.99	152.7	-11.19	101.0	-13.75
177.7	-8.39	91.6	-13.68	92.0	-13.93	183.2	-9.58	182.9	-9.50	125.5	-12.77
208.2	-6.78	106.9	-13.23	107.0	-13.44	213.4	-7.68	213.4	-7.77	147.6	-11.52
238.7	-5.33	122.1	-12.58	121.9	-12.87	243.8	-5.84	243.8	-5.83	170.8	-10.23
269.1	-3.44	137.4	-11.77	136.9	-12.24	274.3	-3.60	274.6	-3.72	193.7	-9.07
299.6	-1.56	152.7	-10.92	151.5	-11.18	304.8	-1.73	305.1	-1.94	217.0	-7.59
317.9	-.28	167.9	-10.06	166.7	-10.30	335.3	.19	335.6	-.51	240.5	-6.34
348.4	1.94	183.2	-9.22	181.7	-9.51	366.1	2.01	350.5	.92	263.8	-4.68
378.9	3.61	198.5	-8.37	196.3	-8.74	396.5	3.66	366.1	2.02	287.0	-3.00
394.1	4.44	213.8	-7.48	211.2	-7.78	426.7	5.33	396.5	3.55	310.0	-1.40
424.6	6.11	228.9	-6.66	226.5	-7.12	457.5	6.83	426.7	5.26	333.5	-.09
455.1	7.78	244.6	-5.62	241.1	-6.09	488.0	8.46	457.2	6.91	356.8	1.38
485.5	9.33	259.6	-4.51	256.0	-4.91	518.2	9.80	487.7	8.40	380.0	2.75
500.8	10.11	274.8	-3.37	271.0	-3.81	548.6	11.01	518.2	9.71	403.3	3.91
		290.1	-2.41	285.9	-2.76	554.7	11.39	548.6	10.99	426.5	5.10
		305.4	-1.43	301.1	-1.85			554.7	11.33	449.8	6.37
		320.3	-.47	315.8	-.85					472.7	7.58
		335.9	.44	330.7	-.13					496.0	8.74
		350.9	1.35	345.6	.94					519.5	9.75
		366.5	2.23	360.6	1.81					542.5	10.81
		381.8	3.05	375.5	2.65					567.6	11.38
		397.0	3.88	390.4	3.39						
		412.3	4.63	405.4	4.13						
		427.6	5.45	420.6	4.91						
		442.8	6.27	435.3	5.82						
		458.4	7.07	450.5	6.59						
		473.1	7.79	465.1	7.38						
		488.6	8.56	481.3	8.16						
		503.9	9.29	495.0	8.83						
		519.2	9.91	509.9	9.50						
		534.5	10.51	525.5	10.11						
		549.7	11.18	542.5	10.95						
				555.3	11.36						

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

PANARCTIC TENNECO ET AL THOR P-38
-WELL SPUDDED 72 4 6
-DRILLING FOR 28 DAYS
-TOTAL DEPTH 1829 METRES
-DRILLING STOPPED 72 5 4
-WELL ABANDONED 72 5 10

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

PANARCTIC TENNECO ET AL THOR P-38
-DEMARRAGE DU PUITS LE 72 4 6
-FORAGE PENDANT 28 JOURS
-PROFONDEUR TOTALE 1829 METRES
-FORAGE ARRETE LE 72 5 4
-ABANDON DU PUITS LE 72 5 10

EARTH PHYSICS BRANCH NO.
172 DRAKE B-44
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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76 DEGREES 23.1 MINUTES NORTH
108 DEGREES 16.1 MINUTES WEST

76 DEGRES 23.1 MINUTES NORD
108 DEGRES 16.1 MINUTES OUEST

ELEVATION 4 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 73 5 7		DATE 74 5 16		DATE 75 5 6		DATE 76 5 17		DATE 79 5 27	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
15.8	-14.23	15.2	-14.54	16.1	-14.54	30.8	-13.66	15.8	-14.93
31.4	-13.32	35.4	-13.53	32.5	-13.55	53.3	-12.02	31.5	-13.72
47.5	-12.04	53.3	-12.84	52.2	-12.34	76.5	-10.39	47.0	-12.51
62.8	-11.01	70.4	-10.66	67.1	-11.19	99.1	-8.52	62.1	-11.32
78.3	-9.63	86.6	-9.35	82.1	-9.84	121.9	-6.46	77.6	-10.36
93.3	-8.35	102.1	-7.96	97.0	-8.48	144.8	-4.16	93.1	-8.84
108.5	-6.86	117.0	-6.68	111.6	-7.02	167.6	-2.10	108.5	-7.40
123.4	-5.57	132.0	-5.05	126.8	-5.56	190.5	.32	124.3	-5.77
138.7	-3.68	146.9	-3.40	141.7	-4.04	213.4	1.94	139.4	-4.13
153.6	-2.25	162.2	-1.92	156.4	-2.68	236.5	3.12	154.9	-2.68
169.2	-.86	177.1	-.72	172.2	-1.25	259.1	4.27	170.0	-1.26
184.7	.27	191.7	.49	186.2	-.04	289.6	5.69	186.1	.16
199.9	1.60	207.0	1.66	201.1	1.54	313.3	6.85	201.2	1.33
215.2	2.34	221.9	2.44	216.0	2.26	335.3	7.67	216.4	2.16
230.4	3.16	236.8	3.22	231.3	3.04	341.4	8.19	232.2	2.96
245.7	3.94	251.5	3.94	245.9	3.89			247.9	3.85
260.9	4.66	266.4	4.70	260.8	4.59			262.8	4.64
275.8	5.51	281.3	5.50	275.7	5.37			278.5	5.39
291.1	6.25	296.6	6.27	290.6	6.10			294.3	6.23
306.3	6.89	311.5	6.93	305.6	6.73			309.4	6.89
321.3	7.55	326.4	7.50	320.5	7.40			324.6	7.40
336.5	8.06	341.1	8.00	335.1	7.91			340.3	8.03
346.3	8.40			338.4	8.25			352.1	8.26

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

PANARCTIC TENNECO ET AL DRAKE B-44
-WELL SPUDDED 72 9 23
-DRILLING FOR 29 DAYS
-TOTAL DEPTH 1396 METRES
-WELL ABANDONED 72 10 22

PANARCTIC TENNECO ET AL DRAKE B-44
-DEMARRAGE DU PUITS LE 72 9 23
-FORAGE PENDANT 29 JOURS
-PROFONDEUR TOTALE 1396 METRES
-ABANDON DU PUITS LE 72 10 22

EARTH PHYSICS BRANCH NO.
175 GEMINI E-10
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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79 DEGREES 59.4 MINUTES NORTH
84 DEGREES 4.2 MINUTES WEST

79 DEGRES 59.4 MINUTES NORD
84 DEGRES 4.2 MINUTES OUEST

ELEVATION 126 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 73 4 30		DATE 74 5 22		DATE 75 5 12		DATE 76 5 8		DATE 77 5 18		DATE 78 5 24		DATE 80 5 15	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
34.4	-3.54	30.6	-14.99	33.8	-14.92	31.1	-15.84	30.8	-15.90	15.9	-7.60	15.5	-12.14
69.8	-7.78	68.1	-14.60	65.8	-15.02	61.8	-15.36	62.0	-15.43	30.9	-15.93	31.0	-16.11
101.5	-5.44	98.2	-13.83	96.3	-14.31	91.4	-14.68	92.2	-14.79	45.9	-15.79	54.3	-15.87
132.3	-3.58	128.2	-13.14	126.5	-13.29	122.2	-13.89	123.7	-13.95	60.9	-15.51	79.4	-15.27
162.8	-3.74	158.3	-11.40	157.0	-11.74	152.4	-12.24	154.2	-12.49	76.5	-15.20	100.7	-14.72
193.2	-1.61	188.4	-9.79	187.5	-10.18	182.9	-10.84	185.1	-10.89	91.5	-14.83	124.3	-14.85
223.4	-.31	218.4	-7.98	217.9	-8.41	213.4	-9.10	216.2	-9.09	107.4	-14.51	147.6	-12.96
254.2	-.43	248.5	-7.35	248.7	-7.49	243.8	-7.87	246.8	-7.98	122.7	-14.05	170.5	-11.84
284.7	.79	263.8	-6.32	278.9	-6.13	274.6	-6.71	277.9	-6.65	137.7	-13.35	193.7	-10.53
315.2	-.06	285.6	-5.22	309.4	-5.08	304.8	-5.31	308.5	-5.41	153.0	-12.60	217.3	-9.18
345.6	.11	308.1	-4.48	339.5	-4.14	335.6	-4.55	339.3	-4.54	168.6	-11.91	240.2	-8.28
376.4	-.07	331.8	-4.09	370.6	-3.17	365.8	-3.64	370.1	-3.55	183.6	-11.06	263.5	-7.48
406.9	.24	353.2	-3.15	401.1	-2.17	396.2	-2.88	401.0	-2.72	199.2	-10.14	287.0	-6.38
436.8	1.48	375.7	-2.26	431.6	-1.06	427.0	-1.97	431.8	-1.61	214.5	-9.28	310.3	-5.37
467.9	4.75	398.3	-1.51	461.8	-.58	457.5	-.93	462.7	-.73	229.2	-8.68	334.2	-4.77
498.0	6.85	420.8	-.77	492.3	.50	487.7	-.38	493.5	-.28	245.1	-8.81	356.8	-4.85
528.2	8.27	443.6	-.41	522.7	1.57	518.2	1.68	509.0	.11	260.4	-7.46	380.0	-3.38
559.0	9.79	465.9	-.32	553.2	3.78	548.9	3.34	524.4	.74	275.7	-6.88	403.8	-2.74
589.5	11.59	488.4	1.80	584.0	5.67	579.1	5.07	555.2	3.42	290.7	-6.13	427.8	-1.92
620.3	12.96	511.3	2.06	614.2	7.28	609.6	6.65	586.1	5.18	306.3	-5.45	449.8	-1.18
650.1	14.38	533.6	3.09	644.7	8.79	640.4	8.53	616.9	6.88	321.6	-5.80	472.7	-.63
680.6	15.79	556.4	4.32	675.1	10.43	670.6	9.81	648.1	8.63	336.6	-4.61	496.8	-.28
711.4	16.66	578.9	5.64	705.9	11.78	701.8	11.33	678.3	10.82	351.9	-4.09	519.5	1.29
741.9	17.61	601.2	6.82	736.1	12.84	731.5	12.40	709.1	11.38	367.2	-3.58	542.5	2.74
772.4	18.79	624.8	8.84	766.6	14.13	762.0	13.73			382.2	-3.19	565.7	3.99
802.5	19.75	646.3	9.24	797.1	15.44	792.8	14.95			398.1	-2.75	589.8	5.33
		668.8	10.39	827.5	16.66	823.0	16.16			413.1	-2.24	620.1	6.97
		691.3	11.38	858.8	18.23	853.4	17.71			428.7	-1.66	643.2	8.31
		713.9	12.26							444.0	-1.10	666.5	9.58
		736.4	13.85							458.7	-.70	689.7	10.55
		759.8	14.00							474.3	-.25	713.8	11.58
		781.5	14.86							489.6	.39	736.2	12.36
		804.1	15.87							504.9	1.03	759.5	13.39
		826.6	16.65							520.2	1.79	782.7	14.27
		849.2	17.83							551.4	3.54	806.8	15.32
		871.7	18.97							581.4	5.14	829.5	16.23
										611.7	6.87	852.5	17.47
										642.3	8.79	875.7	18.66
										673.2	10.11		
										704.2	11.44		
										734.4	12.58		
										765.0	13.89		
										795.7	15.30		

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

PANARCTIC GEMINI E-10
-WELL SPUDDED 72 10 14
-DRILLING FOR 145 DAYS
-TOTAL DEPTH 3845 METRES
-DRILLING STOPPED 73 3 8
-WELL ABANDONED 73 3 15

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

PANARCTIC GEMINI E-10
-DEMARRAGE DU PUITS LE 72 10 14
-FORAGE PENDANT 145 JOURS
-PROFONDEUR TOTALE 3845 METRES
-FORAGE ARRETE LE 73 3 8
-ABANDON DU PUITS LE 73 3 15

EARTH PHYSICS BRANCH NO. 196 BENT HORN N-72
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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76 DEGREES 21.8 MINUTES NORTH
103 DEGREES 58.2 MINUTES WEST

76 DEGRES 21.8 MINUTES NORD
103 DEGRES 58.2 MINUTES OUEST

ELEVATION 63 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 74 5 17		DATE 75 5 6		DATE 76 5 15		DATE 77 5 17		DATE 78 5 25		DATE 79 5 27	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
32.0	-13.11	29.8	-15.44	30.5	-15.59	30.7	-15.84	15.9	-16.25	61.8	-15.48
61.9	-12.50	59.4	-15.04	61.3	-15.31	61.8	-15.42	31.5	-15.82	93.1	-14.78
92.0	-11.81	89.5	-14.33	91.7	-14.65	92.2	-14.69	62.3	-15.42	123.7	-14.03
122.8	-11.12	120.0	-13.62	122.2	-13.87	122.9	-13.97	93.3	-14.71	154.6	-13.22
153.3	-10.29	150.7	-12.74	152.4	-13.24	153.6	-13.17	124.5	-13.97	185.5	-12.18
184.7	-9.31	181.1	-11.73	182.9	-12.09	184.3	-12.14	155.4	-13.16	216.4	-11.46
216.1	-8.65	211.8	-11.06	213.7	-11.46	215.1	-11.38	185.7	-12.27	247.6	-10.29
246.0	-7.31	240.5	-9.90	244.1	-10.35	245.5	-10.27	216.0	-11.40	278.5	-9.34
277.1	-6.46	270.4	-8.86	274.3	-9.27	276.5	-9.17	246.9	-10.36	309.1	-8.31
307.2	-5.63	300.2	-8.01	304.8	-8.32	307.5	-8.27	277.2	-9.17	339.7	-7.53
336.8	-4.90	330.0	-7.19	335.3	-7.65	338.0	-7.46	307.8	-8.22	370.9	-6.82
366.7	-4.22	359.9	-6.49	366.1	-6.76	368.7	-6.73	338.8	-7.46	401.9	-6.09
396.5	-3.34	389.7	-5.77	396.2	-6.20	399.7	-6.05	369.4	-6.71	433.1	-5.50
426.4	-2.56	419.6	-5.19	427.0	-5.49	430.1	-5.40	399.7	-6.03	463.7	-4.82
456.3	-1.55	449.4	-4.60	457.2	-4.84	461.2	-4.81	430.6	-5.39	494.6	-4.07
486.2	-1.51	479.2	-3.86	488.1	-4.39	491.6	-4.09	460.9	-4.81	525.5	-3.55
501.1	-1.51	509.1	-3.25	503.2	-3.80	522.3	-3.45	491.5	-4.03	556.4	-2.95
509.0	-1.25	538.9	-2.72	526.1	-3.38	553.0	-2.92	522.1	-3.42	587.4	-2.45
516.0	-1.11	568.8	-2.20	548.6	-3.01	584.1	-2.44	552.7	-2.92	607.7	-2.14
523.6	-1.04	598.6	-1.70	571.8	-2.64	599.1	-2.20	583.3	-2.41		
531.6	-1.00	613.8	-1.49	594.4	-2.28	614.8	-1.97	613.9	-1.93		
538.6	-.97	628.4	-1.28	617.5	-1.93	630.1	-1.68	644.5	-1.40		
545.9	-.96	643.3	-1.08	640.4	-1.57	645.5	-1.45	675.1	-.84		
560.8	-.90	658.3	-.97	662.9	-1.24	660.6	-1.22	705.7	-.20		
575.8	-.82	673.2	-.69	686.1	-.96	675.9	-.96	721.3	.15		
590.7	-.73	688.1	-.20	708.7	-.51	691.3	-.50	736.3	.54		
605.6	-.65	703.0	.81	731.5	.08	707.3	-.26	766.9	1.43		
620.6	-.65	718.3	.30	754.4	.82	722.0	.00	797.5	2.28		
635.5	-.63	732.9	.68	777.2	1.48	737.1	.40				
643.1	-.60	748.1	1.13	800.1	2.07	752.7	.87				
650.4	-.67	762.4	1.52	823.0	2.51	768.4	1.33				
658.4	-.63	777.6	1.95	845.8	3.11	783.5	1.84				
665.4	-.33	792.5	2.31	868.7	3.69	798.8	2.14				
695.3	1.32	807.5	2.66			814.2	2.44				
710.2	1.50	822.4	3.32			829.9	2.73				
725.1	1.87	837.3	3.56			844.9	3.24				
755.0	2.74	852.2	3.75			860.0	3.64				
785.2	3.49										
814.7	4.10										
844.6	4.94										

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

PANARCTIC TENNECO ET AL BENT HORN N-72
-WELL SPUDDED 73 11 24
-DRILLING FOR 133 DAYS
-TOTAL DEPTH 4383 METRES
-WELL ABANDONED 74 4 6

PANARCTIC TENNECO ET AL BENT HORN N-72
-DEMARRAGE DU PUITS LE 73 11 24
-FORAGE PENDANT 133 JOURS
-PROFONDEUR TOTALE 4383 METRES
-ABANDON DU PUITS LE 74 4 6

EARTH PHYSICS BRANCH NO. 197 NEIL O-15
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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80 DEGREES 44.6 MINUTES NORTH
83 DEGREES 4.8 MINUTES WEST

80 DEGRES 44.6 MINUTES NORD
83 DEGRES 4.8 MINUTES OUEST

ELEVATION 497 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 74 5 23		DATE 75 5 11		DATE 76 5 8		DATE 77 5 18		DATE 80 5 15	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
29.6	-2.75	29.6	-8.37	15.5	-8.26	30.7	-8.61	15.5	-9.37
44.8	-3.47	60.7	-8.62	31.1	-8.59	61.1	-8.88	31.6	-8.82
59.8	-4.00	90.8	-8.63	61.3	-8.79	93.1	-8.84	46.8	-8.81
74.7	-3.73	121.3	-8.51	92.0	-8.80	122.9	-8.68	62.0	-8.86
89.9	-3.77	151.8	-8.11	122.2	-8.66	153.6	-8.29	87.1	-8.86
104.9	-4.39	182.3	-7.70	152.7	-8.27	184.3	-7.86	108.8	-8.75
119.8	-3.87	213.4	-7.24	183.5	-7.85	215.4	-7.40	132.0	-8.60
134.8	-3.93	243.2	-6.70	213.7	-7.40	245.8	-6.86	155.3	-8.28
149.4	-3.40	273.7	-5.94	244.1	-6.91	276.5	-6.12	178.6	-7.97
164.7	-3.06	304.2	-5.29	274.9	-6.18	307.5	-5.49	201.8	-7.62
179.3	-2.87	335.0	-4.68	305.1	-5.54	338.3	-4.91	225.4	-7.27
194.5	-3.07	365.5	-4.10	335.6	-4.96	368.7	-4.29	248.0	-6.88
209.5	-2.67	396.5	+3.18	366.1	-4.39	399.4	-3.36	271.9	-6.33
224.1	-2.11	426.1	-2.21	396.5	-3.55	431.4	-2.43	294.5	-5.80
239.0	-2.13	441.4	-1.90	427.3	-2.53	461.2	-1.75	317.7	-5.39
254.0	-.82	456.6	-1.57	457.8	-2.02	476.5	-1.48	341.0	-4.94
269.0	-.34	472.1	-1.23	488.0	-1.40	491.6	-1.15	364.5	-4.50
283.9	-.16	487.1	-.96	518.8	-.47	506.9	-.75	387.5	-3.79
298.8	-.25	502.6	-.70	549.3	.11	522.3	-.37	410.7	-3.08
313.8	-.09	517.9	-.38	579.4	.64	538.0	-.11	434.3	-2.42
329.0	-.44	532.8	-.09	609.9	1.39	553.0	.17	458.1	-1.89
343.7	-.10	548.0	.28	640.4	2.33	568.4	.43	480.8	-1.48
351.4	-.23	563.6	.57	670.9	3.25	599.1	1.06	503.7	-.92
358.6	-.20	578.5	.84	701.7	4.15	629.8	2.00	527.3	-.30
363.4	-.05	593.8	1.16	732.1	5.04	660.6	2.90	550.2	.08
368.1	.27	609.0	1.60			691.3	3.87	573.8	.45
372.3	.57	624.2	2.09					596.7	.91
376.5	.76	639.8	2.58					620.0	1.61
381.0	.50	655.0	2.95					643.2	2.34
388.5	.81	670.0	3.46					666.5	3.00
396.2	.75	685.2	3.89					689.7	3.74
403.7	1.55	700.4	4.33					713.0	4.37
418.3	2.29	715.7	4.75					736.2	4.97
432.4	.17	731.2	5.24						
448.2	1.78								
463.4	.54								
478.1	.91								
493.0	2.87								
508.0	3.59								
523.2	2.66								
537.9	3.76								
552.8	4.14								
567.7	4.36								
598.0	5.23								
627.8	6.36								
657.4	7.06								
687.3	7.86								
717.1	9.04								
747.1	8.96								
776.9	10.17								

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

GULF WC ET AL NEIL O-15
-WELL SPUDDED 74 3 17
-DRILLING FOR 51 DAYS
-TOTAL DEPTH 2448 METRES
-WELL ABANDONED 74 5 7

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

GULF WC ET AL NEIL O-15
-DEMARRAGE DU PUITS LE 74 3 17
-FORAGE PENDANT 51 JOURS
-PROFONDEUR TOTALE 2448 METRES
-ABANDON DU PUITS LE 74 5 7

EARTH PHYSICS BRANCH NO.
199 DRAKE E-78
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

76 DEGREES 27.3 MINUTES NORTH
108 DEGREES 29.4 MINUTES WEST

76 DEGRES 27.3 MINUTES NORD
108 DEGRES 29.4 MINUTES OUEST

ELEVATION 2 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 74 8 5		DATE 75 5 6		DATE 76 5 17		DATE 77 5 17		DATE 79 5 27	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
13.7	-12.78	17.0	-13.60	23.2	-13.23	32.0	-12.32	15.8	-14.52
29.0	-11.59	31.6	-12.19	45.4	-11.45	62.5	-10.11	32.2	-12.74
43.6	-10.53	46.8	-11.06	68.6	-9.75	93.2	-7.45	46.4	-11.40
58.5	-9.44	65.6	-9.53	91.4	-7.76	108.6	-6.83	62.1	-10.09
73.4	-8.05	80.5	-7.92	114.4	-5.75	124.1	-4.50	78.2	-8.62
88.4	-6.68	95.4	-6.58	137.1	-3.84	139.3	-3.06	93.3	-7.15
103.2	-5.36	109.7	-5.24	159.6	-1.12	154.5	-1.47	108.7	-5.83
118.4	-4.09	125.1	-3.60	182.1	.92	169.7	-.31	123.7	-4.33
132.8	-2.69	139.8	-2.20	204.5	2.68	184.8	1.15	139.0	-2.82
147.6	-1.46	154.2	-.92	226.8	3.97	199.6	2.31	154.2	-1.39
162.3	-.23	168.6	.37	249.1	5.83	214.9	3.48	169.4	-.13
177.3	1.10	183.9	1.65	270.9	6.10	230.0	4.16	185.2	1.34
191.6	2.31	198.5	2.88	273.8	6.31	244.6	4.88	214.6	3.57
206.3	3.40	213.1	3.70			259.6	5.59	230.3	4.17
220.9	4.17	227.3	4.41			274.4	6.28	245.5	4.99
235.4	4.82	241.8	5.14			277.4	6.29	259.7	5.64
249.9	5.57	256.3	5.73					275.2	6.34
264.4	6.10	271.0	6.39						
273.8	6.72								

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

PANARCTIC POR HOMESTEAD DRAKE E-78
-WELL SPUDDED 74 5 2
-DRILLING FOR 16 DAYS
-TOTAL DEPTH 1356 METRES
-DRILLING STOPPED 74 5 18
-WELL ABANDONED 74 5 27

PANARCTIC POR HOMESTEAD DRAKE E-78
-DEMARRAGE DU PUITS LE 74 5 2
-FORAGE PENDANT 16 JOURS
-PROFONDEUR TOTALE 1356 METRES
-FORAGE ARRETE LE 74 5 18
-ABANDON DU PUITS LE 74 5 27

WELL DIRECTIONALLY DRILLED. DEPTHS IN TABLES HAVE BEEN CONVERTED TO VERTICAL.

FORAGE OBLIQUE DU PUITS. PROFONDEURS INDIQUEES DANS LES TABLES ONT ETE RAMENEES A LA VERTICALE.

EARTH PHYSICS BRANCH NO.
200 HECLA I-69
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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76 DEGREES 18.7 MINUTES NORTH
110 DEGREES 23.3 MINUTES WEST

76 DEGRES 18.7 MINUTES NORD
110 DEGRES 23.3 MINUTES OUEST

ELEVATION 2 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 8 5		DATE 75 5 6		DATE 76 5 17		DATE 77 5 17		DATE 80 5 12	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
13.4	-14.71	18.3	-14.69	31.4	-13.36	30.9	-13.37	15.5	-15.48
28.3	-13.61	33.5	-13.29	61.3	-9.16	62.1	-8.87	31.6	-13.36
43.3	-11.51	48.5	-10.67	91.7	-5.47	93.0	-5.43	46.8	-11.29
58.2	-9.04	64.0	-8.32	121.7	-2.27	123.4	-2.04	62.0	-8.85
73.1	-7.16	78.9	-6.69	152.3	1.01	138.5	-.45	93.2	-5.47
88.0	-5.59	94.1	-5.00	182.3	3.10	154.7	1.28	124.1	-1.84
103.2	-3.69	109.3	-3.09	212.0	4.72	184.2	3.24	154.6	1.11
117.8	-2.09	124.5	-1.51	241.2	6.29	214.3	4.83	185.4	3.29
132.7	-.60	139.6	.16	270.6	7.86	245.0	6.53	215.5	4.89
147.8	.89	155.0	1.44	299.3	9.09	274.0	8.13	245.4	6.59
162.0	1.99	169.8	2.49	327.9	10.23	303.6	9.29	275.1	8.08
177.2	2.95	199.9	4.23	356.2	11.22	332.3	10.49	304.4	9.22
191.5	3.77	229.1	5.78	384.5	11.92	360.9	11.39	333.2	10.50
206.1	4.50	258.4	7.39	411.8	12.53	389.2	12.10	362.2	11.44
220.6	5.33	287.7	8.74	438.9	13.19	417.4	12.72	390.3	12.11
235.0	6.10	316.2	9.91	465.7	14.37	444.5	13.40	418.5	12.77
249.7	6.92	344.9	10.99	491.5	14.94	471.1	14.55	445.7	13.46
263.7	7.65	373.4	11.72	516.8	15.45	497.6	15.07	463.8	14.61
277.9	8.34	401.4	12.38	541.5	16.18	523.1	15.67	498.9	15.11
292.1	8.80	429.0	13.05	565.8	16.73	547.9	16.41	524.7	15.67
306.4	9.47	456.1	14.16	589.0	17.10	572.2	16.87	549.3	16.46
320.5	10.02	482.6	14.82	612.2	17.44	595.9	17.25	573.8	16.93
334.4	10.58	514.7	15.49	635.3	17.82	619.4	17.60	597.3	17.27
348.3	11.06			658.2	18.24	642.7	17.98	620.9	17.61
361.9	11.45					665.9	18.48	644.5	18.03
375.6	11.80					689.2	18.87	667.8	18.53
389.2	12.11							690.9	18.90
402.8	12.44							714.2	19.37
416.2	12.72							737.5	19.85
429.9	13.03								

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

PANARCTIC TENNECO ET AL HECLA I-69
-WELL SPUDDED 73 2 22
-DRILLING FOR 66 DAYS
-TOTAL DEPTH 1457 METRES
-DRILLING STOPPED 73 4 29
-WELL ABANDONED 73 5 9

WELL DIRECTIONALLY DRILLED. DEPTHS IN TABLES HAVE BEEN CONVERTED TO VERTICAL.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

PANARCTIC TENNECO ET AL HECLA I-69
-DEMARRAGE DU PUITS LE 73 2 22
-FORAGE PENDANT 66 JOURS
-PROFONDEUR TOTALE 1457 METRES
-FORAGE ARRETE LE 73 4 29
-ABANDON DU PUITS LE 73 5 9

FORAGE OBLIQUE DU PUITS. PROFONDEURS INDIQUEES DANS LES TABLES ONT ETE RAMENEES A LA VERTICALE.

EARTH PHYSICS BRANCH NO. 253 TEDJI LAKE K-24

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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67 DEGREES 43.6 MINUTES NORTH
126 DEGREES 49.9 MINUTES WEST

67 DEGRES 43.6 MINUTES NORD
126 DEGRES 49.9 MINUTES OUEST

ELEVATION 343 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 74 8 17		DATE 76 4 30		DATE 78 7 20		DATE 80 7 27	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
11.9	.01	61.0	-2.10	15.8	-2.22	15.3	-2.61
26.8	.02	91.7	-1.90	30.8	-1.65	30.7	-2.33
58.5	-1.53	121.9	-1.79	61.0	-2.15	45.7	-2.23
86.6	-.98	152.4	-1.57	91.4	-1.99	61.3	-2.17
116.4	-1.36	182.9	-1.45	121.9	-1.81	77.0	-2.01
146.0	-.85	213.4	-1.31	152.7	-1.59	92.0	-1.98
175.9	-1.04	243.8	-1.16	182.6	-1.46	107.0	-1.90
206.0	-.95	274.3	-.99	213.1	-1.30	122.7	-1.80
235.6	-.77	304.8	-.86	243.5	-1.14	137.7	-1.70
266.1	-.26	335.3	-.75	274.0	-.97	153.0	-1.59
295.7	-.63	365.5	-.56	304.5	-.82	168.6	-1.53
325.5	-.45	396.2	-.45	335.0	-.71	184.3	-1.45
355.1	-.40	427.0	-.23	365.8	-.50	199.0	-1.39
385.0	-.37	457.2	.03	396.5	-.37	214.9	-1.30
414.5	-.01	487.7	.22	426.7	-.10	230.0	-1.21
444.1	.32			456.9	.10	245.3	-1.13
474.0	.47			488.0	.31	260.9	-1.05
503.8	.66			512.1	.50	276.3	-.96
534.0	.96					291.0	-.88
						306.6	-.81
						322.0	-.74
						337.3	-.68
						352.3	-.58
						368.0	-.50
						383.9	-.42
						398.3	-.38
						413.9	-.30
						429.3	-.23
						444.9	-.11
						459.9	.10
						475.6	.20
						490.6	.32
						505.9	.42
						521.6	.55
						536.6	.66
						551.9	.77
						567.3	.88
						582.6	1.00
						597.9	1.12
						613.3	1.21
						628.9	1.30
						643.9	1.41
						659.3	1.53
						674.3	1.62
						689.9	1.73
						705.2	1.79
						720.9	1.89
						735.9	1.98
						751.2	2.07
						767.2	2.18
						781.9	2.27
						797.2	2.38
						812.6	2.49
						827.9	2.57

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

ASHLAND ET AL TEDJI LAKE K-24
-WELL SPUDDED 74 2 13
-DRILLING FOR 46 DAYS
-TOTAL DEPTH 1213 METRES
-WELL ABANDONED 74 3 31

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

ASHLAND ET AL TEDJI LAKE K-24
-DEMARRAGE DU PUITS LE 74 2 13
-FORAGE PENDANT 46 JOURS
-PROFONDEUR TOTALE 1213 METRES
-ABANDON DU PUITS LE 74 3 31

EARTH PHYSICS BRANCH NO. 256 SUTHERLAND O-23

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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77 DEGREES 42.9 MINUTES NORTH
102 DEGREES 8.5 MINUTES WEST

77 DEGRES 42.9 MINUTES NORD
102 DEGRES 8.5 MINUTES OUEST

ELEVATION 21 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 75 5 14		DATE 76 5 14		DATE 78 5 26		DATE 80 5 16	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
31.7	-12.90	30.8	-14.19	8.3	-16.87	16.4	-16.45
61.3	-11.94	61.0	-13.15	15.4	-16.11	31.0	-15.34
91.4	-10.99	91.4	-12.10	31.0	-15.10	54.6	-14.39
121.9	-9.15	121.9	-10.63	46.4	-14.45	77.8	-13.63
152.7	-6.76	152.4	-8.43	61.4	-13.96	101.0	-12.70
182.9	-4.88	182.9	-6.19	77.7	-13.38	124.3	-11.49
213.7	-2.83	213.7	-3.95	92.8	-12.80	147.9	-9.69
244.1	-1.21	244.1	+2.54	108.1	-12.34	170.5	-8.02
259.1	-.39	274.3	-1.30	123.8	-11.38	194.0	-6.29
274.6	.41	304.8	-.11	139.5	-10.31	217.0	-4.60
289.6	1.11	320.3	1.09	154.2	-9.10	240.5	-3.28
304.8	1.75	335.6	2.20	169.9	-8.03	263.8	-1.95
320.0	2.44	350.8	3.02	185.0	-6.98	287.0	-.76
335.6	3.29	366.1	3.95	200.3	-5.75	318.0	.74
366.1	4.83	381.0	4.68	216.0	-4.53	341.0	1.95
396.2	5.75	396.5	5.05	231.0	-3.60	364.5	3.32
426.7	6.27	412.1	5.34	246.4	-2.78	387.5	4.29
457.2	6.69	426.7	5.59	262.1	-2.14	410.7	4.79
		442.0	5.83	277.5	-1.21	434.3	5.23
		457.2	6.04	292.5	-.47	457.5	5.56
		472.4	6.16	307.9	.30	469.9	5.67
				323.2	1.10		
				338.6	1.99		
				354.0	2.79		
				369.6	3.68		
				384.7	4.30		
				400.1	4.70		
				415.7	4.98		
				430.8	5.27		
				446.4	5.53		
				461.5	5.76		
				476.9	5.76		

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

DOME ARCTIC VENTURES SUTHERLAND O-23
-WELL SPUDDED 73 3 27
-DRILLING FOR 404 DAYS
-TOTAL DEPTH 4457 METRES
-DRILLING STOPPED 74 5 5
-WELL ABANDONED 74 5 5

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

DOME ARCTIC VENTURES SUTHERLAND O-23
-DEMARRAGE DU PUITS LE 73 3 27
-FORAGE PENDANT 404 JOURS
-PROFONDEUR TOTALE 4457 METRES
-FORAGE ARRETE LE 74 5 5
-ABANDON DU PUITS LE 74 5 5

EARTH PHYSICS BRANCH NO. 258 PAT BAY A-72
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

77 DEGREES 21.0 MINUTES NORTH
105 DEGREES 27.0 MINUTES WEST

77 DEGRES 21.0 MINUTES NORD
105 DEGRES 27.0 MINUTES OUEST

ELEVATION 17 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 75 5 15		DATE 76 5 14		DATE 77 5 17		DATE 80 5 12	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
30.8	-7.63	22.6	-15.36	15.8	-15.74	15.8	-16.33
61.3	-2.14	45.4	-15.27	31.4	-15.73	31.0	-15.84
91.7	-2.24	68.3	-14.73	47.2	-15.54	47.1	-15.66
122.2	-2.07	91.1	-14.49	62.8	-15.21	62.0	-15.42
152.7	-2.89	114.0	-14.13	79.3	-14.94	77.5	-15.12
182.9	-1.92	136.9	-13.53	95.4	-14.68	93.0	-14.81
213.7	-.39	158.5	-12.98	110.7	-14.42	108.5	-14.56
243.8	.15			126.2	-14.08	124.3	-14.21
259.1	.74			142.1	-13.77	139.5	-13.95
274.3	.95			157.3	-13.49	155.3	-13.66
289.6	2.28			163.5	-13.35	163.0	-13.48
304.8	4.03						
320.3	5.66						
335.3	5.49						
365.8	8.04						
396.2	9.99						
426.7	11.71						
457.2	13.46						
476.1	14.38						
487.7	14.46						

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

PANARCTIC TENNECO ET AL PAT BAY A-72
-WELL SPUDDED 75 2 28
-DRILLING FOR 63 DAYS
-TOTAL DEPTH 3231 METRES
-DRILLING STOPPED 75 5 1
-WELL ABANDONED 75 5 4

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

PANARCTIC TENNECO ET AL PAT BAY A-72
-DEMARRAGE DU PUITS LE 75 2 28
-FORAGE PENDANT 63 JOURS
-PROFONDEUR TOTALE 3231 METRES
-FORAGE ARRETE LE 75 5 1
-ABANDON DU PUITS LE 75 5 4

EARTH PHYSICS BRANCH NO. 259 DRAKE D-73
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

76 DEGREES 22.1 MINUTES NORTH
108 DEGREES 29.5 MINUTES WEST

76 DEGRES 22.1 MINUTES NORD
108 DEGRES 29.5 MINUTES OUEST

ELEVATION 33 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 75 5 16		DATE 76 5 23		DATE 78 5 26		DATE 79 5 27	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
32.0	-2.68	23.5	-15.38	7.7	-17.47	15.8	-16.06
64.6	-5.70	46.8	-14.71	15.4	-15.98	34.0	-15.24
98.1	-5.42	68.9	-13.82	31.8	-15.36	50.6	-14.54
130.1	-3.92	91.7	-12.68	45.8	-14.72	66.7	-13.90
161.5	-2.83	114.3	-11.29	61.4	-14.16	83.7	-13.22
192.0	-1.87	137.2	-10.15	76.8	-13.44	100.3	-12.25
222.5	-.21	160.0	-8.89	92.5	-12.68	116.4	-11.08
238.0	.92	183.2	-7.58	107.2	-11.79	132.2	-10.64
253.0	1.74	205.7	-6.02	123.5	-10.95	148.2	-9.76
268.5	2.94	228.9	-4.54	139.2	-10.07	164.3	-8.60
299.0	4.14	251.8	-3.00	154.5	-9.24	179.4	-7.84
329.2	5.46	274.3	-.97	169.9	-8.32	195.5	-6.80
359.7	6.89	297.5	.67	185.0	-7.42	210.6	-5.58
390.4	8.03	312.4	1.33	200.6	-6.64	226.4	-4.50
		327.7	2.22	215.4	-5.38	241.2	-3.19
		342.9	3.00	231.0	-3.98	256.7	-1.88
		358.4	3.62	246.4	-2.90	272.2	-.78
		373.4	4.64	261.8	-1.64	287.6	.30
		388.6	5.31	277.1	-.50	303.1	1.08
				292.5	.29	318.8	1.93
				307.9	1.27	334.0	2.65
				323.2	2.00	349.1	3.47
				338.6	2.70	364.3	4.10
				354.3	3.57	380.0	5.08
				369.3	4.39	395.5	5.88
				384.7	5.07	406.0	6.21
				400.1	5.93		
				409.6	6.15		

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

PANARCTIC TENNECO ET AL DRAKE D-73
-WELL SPUDDED 75 4 23
-DRILLING FOR 17 DAYS
-TOTAL DEPTH 1361 METRES
-WELL ABANDONED 75 5 10

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

PANARCTIC TENNECO ET AL DRAKE D-73
-DEMARRAGE DU PUITS LE 75 4 23
-FORAGE PENDANT 17 JOURS
-PROFONDEUR TOTALE 1361 METRES
-ABANDON DU PUITS LE 75 5 10

EARTH PHYSICS BRANCH NO. 267 TAGLU C-42
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 21.0 MINUTES NORTH
134 DEGREES 56.6 MINUTES WEST

69 DEGRES 21.0 MINUTES NORD
134 DEGRES 56.6 MINUTES OUEST

ELEVATION 2 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 75 7 26		DATE 76 4 23		DATE 76 7 7		DATE 77 3 10		DATE 78 7 18		DATE 80 7 26	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
13.7	-.48	30.5	-5.85	15.2	-1.09	61.0	-.94	30.8	4.20	30.8	1.06
28.7	.67	45.7	-1.25	30.5	.35	92.0	-.50	61.0	-.87	46.1	-1.30
59.1	-.79	61.0	-.96	45.7	-1.19	122.2	-.35	91.4	-.52	61.5	-.98
89.9	-.44	76.2	-.79	60.7	-.89	152.4	-.51	122.2	-.37	76.9	-.79
120.4	-.27	91.4	-.64	76.2	-.71	182.9	-.50	152.7	-.53	92.3	-.59
150.9	-.42	121.9	-.31	91.7	-.45	213.1	-.53	182.9	-.56	107.7	-.46
181.7	-.40	137.2	-.37	107.3	-.36	243.5	-.85	213.7	-.55	123.0	-.46
211.5	-.44	152.4	-.43	121.9	-.32	274.3	-.68	244.1	-.86	138.4	-.53
242.0	-.74	182.9	-.42	137.5	-.40	304.8	-.54	274.3	-.72	153.8	-.58
273.4	-.57	213.4	-.53	152.4	-.48	335.0	-.76	304.8	-.69	169.1	-.53
304.2	-.50	243.8	-.65	167.6	-.45	365.5	-.97	335.3	-.87	184.5	-.62
335.0	-.60	274.3	-.57	182.9	-.47	395.6	-.81	365.8	-1.03	199.9	-.65
365.5	-.72	305.1	-.59	198.4	-.57	426.7	-.90	396.2	-.94	215.3	-.62
396.2	-.58	335.3	-.62	213.4	-.46	457.2	-1.00	426.7	-.96	230.7	-.66
427.0	-.75	365.8	-.80	228.3	-.49	487.7	-.92	456.9	-1.02	246.0	-.87
457.8	-.85	396.2	-.71	243.5	-.81	518.2	-.92	487.7	-.94	261.4	-.80
487.7	-.83	426.4	-.79	259.1	-.63			518.5	-.89	276.8	-.83
519.4	-.89	457.2	-.89	274.3	-.63			539.5	-.62	292.2	-.86
549.9	-.61	487.7	-.86	289.3	-.68					307.5	-.86
580.3	-.54			304.5	-.59					322.9	-.91
				319.7	-.63					338.3	-.99
				335.3	-.69					353.7	-1.07
				350.5	-.97					369.1	-1.07
				365.8	-.89					384.4	-1.08
				380.7	-.77					399.8	-1.07
				396.5	-.68					415.2	-1.04
				411.5	-.90					430.6	-1.04
				426.4	-.85					446.0	-1.04
				441.7	-.95					461.3	-1.07
				456.9	-.99					476.7	-1.02
				472.4	-.88					492.1	-.98
				487.7	-.89					507.5	-.95
				502.9	-.87					522.8	-.87
				517.9	-.88						
				533.4	-.73						
				548.9	-.58						
				558.1	-.58						

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

I.O.E. TAGLU C-42
-WELL SPUDDED 72 4 30
-DRILLING FOR 128 DAYS
-TOTAL DEPTH 4895 METRES
-DRILLING STOPPED 72 9 5
-WELL ABANDONED 72 11 18

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

I.O.E. TAGLU C-42
-DEMARRAGE DU PUITS LE 72 4 30
-FORAGE PENDANT 128 JOURS
-PROFONDEUR TOTALE 4895 METRES
-FORAGE ARRETE LE 72 9 5
-ABANDON DU PUITS LE 72 11 18

EARTH PHYSICS BRANCH NO. 268 TAGLU D-43
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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69 DEGREES 22.3 MINUTES NORTH
134 DEGREES 56.8 MINUTES WEST

69 DEGRES 22.3 MINUTES NORD
134 DEGRES 56.8 MINUTES OUEST

ELEVATION 1 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 75 7 26		DATE 76 4 29		DATE 76 7 7		DATE 77 3 10		DATE 78 7 18		DATE 80 7 26	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
12.2	-6.46	15.2	-7.68	14.9	-7.12	30.2	-6.27	14.9	-6.55	15.4	-6.62
27.1	-5.45	30.5	-5.95	30.5	-5.78	61.0	-4.21	30.2	-5.85	30.8	-5.88
57.6	-3.62	45.7	-4.78	45.7	-4.75	93.0	-3.47	61.3	-4.50	46.1	-5.30
88.1	-2.45	61.6	-3.85	61.0	-3.95	121.6	-3.05	91.4	-3.71	61.5	-4.67
118.6	-2.27	91.7	-3.22	75.3	-3.29	152.1	-2.60	122.2	-3.23	76.9	-4.18
149.4	-1.58	121.9	-2.84	91.7	-3.24	182.9	-2.00	152.4	-2.79	92.3	-3.85
180.1	-.96	152.4	-2.39	106.4	-3.12	213.4	-1.29	182.9	-2.32	107.7	-3.56
210.3	-.74	183.2	-1.78	121.9	-2.92	243.8	-1.16	213.4	-1.77	123.0	-3.31
240.5	-.64	213.1	-1.12	137.2	-2.66	275.2	-1.10	244.1	-1.53	138.4	-3.08
271.9	-.79	243.8	-.99	152.7	-2.40	304.5	-1.15	274.6	-1.42	153.8	-2.86
302.4	-.86	274.3	-.92	167.6	-2.08	335.6	-1.29	304.5	-1.36	169.1	-2.62
333.5	-.74	304.8	-.94	183.2	-1.68	365.8	-1.38	335.0	-1.46	184.5	-2.36
363.6	-.88	335.3	-.97	197.8	-1.32	396.2	-1.27	365.8	-1.45	199.9	-2.16
395.0	-.84	365.8	-.93	213.1	-1.03	426.7	-1.11	395.9	-1.37	215.3	-2.03
426.1	-.82	396.2	-1.13	228.6	-.99	457.2	-1.02	426.7	-1.21	230.7	-1.93
456.6	-.73	426.7	-.92	243.5	-.97	487.4	-.82	457.2	-1.10	246.0	-1.83
487.7	-.60	457.2	-.99	260.3	-.87	518.2	-.81	487.7	-.90	261.4	-1.76
519.1	-.72	487.7	-.90	274.3	-.95			518.5	-.83	276.8	-1.68
549.6	-.61			289.3	-1.03			531.6	-.66	292.2	-1.64
				304.8	-1.05					307.5	-1.57
				320.0	-1.03					322.9	-1.57
				335.3	-1.06					338.3	-1.56
				350.8	-1.26					353.7	-1.47
				365.8	-1.25					369.1	-1.49
				381.0	-1.25					384.4	-1.45
				395.9	-1.15					399.8	-1.42
				411.5	-1.09					415.2	-1.34
				426.7	-1.01					430.6	-1.28
				442.0	-.96					446.0	-1.22
				457.2	-.89					461.3	-1.17
				472.4	-.88					476.7	-1.07
				487.4	-.77					492.1	-.95
				502.9	-.78					507.5	-.86
				517.9	-.77					522.8	-.85
				533.1	-.63						

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

I.O.E. TAGLU D-43
-WELL SPUDDED 73 3 23
-DRILLING FOR 88 DAYS
-TOTAL DEPTH 4555 METRES
-DRILLING STOPPED 73 6 19
-WELL ABANDONED 73 9 11

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

I.O.E. TAGLU D-43
-DEMARRAGE DU PUITS LE 73 3 23
-FORAGE PENDANT 88 JOURS
-PROFONDEUR TOTALE 4555 METRES
-FORAGE ARRETE LE 73 6 19
-ABANDON DU PUITS LE 73 9 11

EARTH PHYSICS BRANCH NO. 269 TAGLU D-55
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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69 DEGREES 24.2 MINUTES NORTH
134 DEGREES 59.6 MINUTES WEST

69 DEGRES 24.2 MINUTES NORD
134 DEGRES 59.6 MINUTES OUEST

ELEVATION 1 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 75 7 26		DATE 76 4 23		DATE 76 7 7		DATE 77 3 10		DATE 78 7 18		DATE 80 7 26	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
29.0	-1.25	46.0	-4.68	60.7	-3.14	91.1	-1.70	46.0	-3.47	30.8	.24
59.1	-3.11	61.3	-3.95	76.2	-2.34	121.9	-1.26	61.3	-3.26	46.1	-3.52
89.6	-1.67	76.2	-2.43	91.4	-1.69	152.7	-1.06	76.2	-2.49	61.5	-3.34
120.1	-1.08	91.7	-1.69	107.0	-1.26	183.2	-.94	91.4	-1.69	76.9	-2.51
150.6	-.86	107.0	-1.27	121.9	-1.15	213.7	-1.14	106.7	-1.28	92.3	-1.72
181.1	-.66	121.9	-1.15	137.2	-1.07	243.8	-1.23	121.9	-1.12	107.3	-1.32
212.1	-1.00	152.4	-1.00	152.4	-.94	274.6	-1.13	137.2	-1.08	122.7	-1.13
242.6	-1.10	183.5	-.85	167.6	-.85	304.8	-.99	152.4	-1.04	138.4	-1.11
273.1	-1.03	213.4	-1.01	183.2	-.83			167.6	-.95	153.8	-1.10
304.2	-.76	244.1	-1.17	198.1	-1.13			183.2	-.93	168.8	-1.06
334.4	-.69	274.6	-1.14	213.4	-1.08			198.1	-1.14	184.5	-1.04
362.1	-1.09	305.1	-.98	228.6	-1.19			213.7	-1.10	199.9	-1.16
		335.3	-.89	243.5	-1.15			228.9	-1.19	215.3	-1.15
		365.8	-.97	259.1	-1.19			243.8	-1.21	230.7	-1.19
				274.3	-1.06			259.1	-1.19	246.0	-1.24
				289.6	-.98			274.3	-1.10	261.1	-1.21
				305.1	-.90			289.5	-1.07	276.8	-1.16
				319.7	-.89			304.8	-1.03	291.8	-1.13
				335.3	-.84			320.0	-.99	307.2	-1.11
				350.8	-.96			335.3	-1.04	322.9	-1.08
				365.8	-1.15			350.2	-1.02	338.3	-1.11
				381.0	-1.17			365.8	-1.14	353.7	-1.09
				386.8	-1.18					368.7	-1.16

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

I.O.E. TAGLU D-55
-WELL SPUDDED 72 4 4
-DRILLING FOR 103 DAYS
-TOTAL DEPTH 3706 METRES
-DRILLING STOPPED 72 7 16
-WELL ABANDONED 72 8 21

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

I.O.E. TAGLU D-55
-DEMARRAGE DU PUITS LE 72 4 4
-FORAGE PENDANT 103 JOURS
-PROFONDEUR TOTALE 3706 METRES
-FORAGE ARRETE LE 72 7 16
-ABANDON DU PUITS LE 72 8 21

EARTH PHYSICS BRANCH NO. 272 PARSONS L-43

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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68 DEGREES 52.6 MINUTES NORTH — 68 DEGRES 52.6 MINUTES NORD
133 DEGREES 41.9 MINUTES WEST — 133 DEGRES 41.9 MINUTES OUEST

ELEVATION 49 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 76 4 26		DATE 76 7 10		DATE 76 10 20		DATE 77 3 12		DATE 77 8 14		DATE 78 3 17		DATE 78 7 15	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
30.5	-.54	30.5	-.36	30.2	-2.56	30.5	-5.17	15.9	-5.61	15.5	-7.42	17.1	-5.97
45.7	-.43	45.7	-.18	61.3	-2.88	59.7	-4.39	30.6	-5.36	30.2	-5.95	30.5	-5.69
61.0	-.14	61.0	-.18	91.7	-.60	88.4	-1.67	46.0	-4.93	64.6	-4.90	61.9	-4.96
91.4	-.10	91.1	-.20	121.6	-.49	118.6	-2.60	61.3	-4.63	95.1	-4.22	92.0	-4.30
121.6	-.15	122.2	-.22	152.4	-.47	149.0	-1.25	76.6	-4.18	125.6	-3.51	122.8	-3.60
152.4	-.08	152.4	-.23	182.9	-.45	179.5	-.63	91.9	-3.78	156.1	-2.42	153.3	-2.49
182.6	-.04	182.6	-.25	213.1	-.37	209.7	-.49	107.2	-3.68	186.5	-1.66	183.8	-1.81
213.1	-.01	213.4	-.22	243.8	-.33	239.6	-.41	122.5	-3.16	217.0	-.85	214.6	-1.01
244.1	.03	244.1	-.18	274.6	.00	269.7	-.16	138.1	-2.38	247.5	-.56	245.4	-.66
274.6	.76	274.3	.33	289.3	.87	285.0	.62	153.5	-1.94	278.0	-.23	275.5	-.25
304.8	3.86	289.3	1.61	305.1	1.76	300.5	1.27	168.8	-1.50	308.5	.55	306.3	.79
335.0	4.93	305.1	2.62	335.3	2.58	330.7	2.12	183.8	-1.02	338.9	1.72	337.1	1.75
365.8	5.73	319.7	3.07	365.8	3.41	360.9	2.96	199.1	-.46	369.4	2.55	367.6	2.62
396.2	6.71	335.3	3.44	396.2	4.42	391.4	3.83	214.4	-.58	399.9	3.51	398.4	3.57
426.7	7.71	365.5	4.32	426.7	5.33	421.8	4.88	229.8	-.35	430.4	4.47	428.5	4.44
457.2	8.29	395.9	5.25	456.9	6.46	452.0	5.98	245.1	-.46	460.9	5.66	459.3	5.85
487.7	9.19	426.4	6.12	487.7	7.18	482.2	6.77	260.4	-.42	491.3	6.47	490.1	6.49
		456.9	7.35	517.9	8.24	513.0	7.80	275.4	-.20	521.8	7.48	520.6	7.59
		487.7	7.96					291.0	.46			551.4	8.84
		518.2	9.04					306.3	1.07			582.2	9.78
		548.3	10.23					322.0	1.49			613.0	10.63
		579.1	11.05					337.0	1.92			643.1	11.50
		609.3	11.88					367.6	2.77			673.6	12.32
								398.5	3.75			704.1	13.26
								428.9	4.67			734.9	14.43
								459.5	5.85			765.7	15.40
								490.1	6.61				

DATE 79 7 10		DATE 80 7 26	
Z(M)	T(C)	Z(M)	T(C)
36.7	-5.67	15.9	-6.06
51.5	-5.46	30.7	-5.81
65.7	-4.95	46.3	-5.50
81.4	-4.57	68.7	-5.00
96.6	-4.34	92.3	-4.52
129.2	-3.39	115.3	-4.09
158.6	-2.53	138.0	-3.28
189.7	-1.94	161.3	-2.64
220.2	-1.25	184.3	-2.16
251.7	-.70	207.0	-1.71
281.6	-.03	230.0	-1.24
313.4	.93	253.0	-.83
343.6	1.84	276.6	-.33
375.1	2.78	298.9	.35
405.6	3.78	322.0	1.03
436.2	4.73	345.3	1.70
466.7	5.87	368.0	2.36
498.8	6.66	391.3	3.09
528.1	7.85	413.9	3.79
559.6	8.97	437.0	4.61
590.1	9.87	460.2	5.47
621.9	10.75	482.9	6.07
		506.2	6.70
		528.6	7.61
		551.9	8.55
		574.9	9.31
		597.9	9.93
		621.2	10.59
		643.9	11.24
		667.5	11.91
		689.9	12.50
		712.9	13.24
		735.9	14.08
		743.6	14.40
		766.6	15.12
		789.6	15.77
		812.9	16.35

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

GULF MOBIL PARSONS L-43
-WELL SPUDDED 75 12 10
-DRILLING FOR 53 DAYS
-TOTAL DEPTH 3305 METRES
-DRILLING STOPPED 76 2 2
-WELL ABANDONED 76 2 2

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

GULF MOBIL PARSONS L-43
-DEMARRAGE DU PUITS LE 75 12 10
-FORAGE PENDANT 53 JOURS
-PROFONDEUR TOTALE 3305 METRES
-FORAGE ARRETE LE 76 2 2
-ABANDON DU PUITS LE 76 2 2

EARTH PHYSICS BRANCH NO.
273 KAMIK D-48
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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68 DEGREES 57.2 MINUTES NORTH
133 DEGREES 27.5 MINUTES WEST

68 DEGRES 57.2 MINUTES NORD
133 DEGRES 27.5 MINUTES OUEST

ELEVATION 31 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 76 4 26		DATE 76 7 10		DATE 76 10 20		DATE 77 3 12		DATE 77 8 14		DATE 78 3 17		DATE 78 7 16		DATE 79 7 19	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
15.5	-.33	30.5	-.63	30.5	-1.66	61.0	-4.82	30.9	-5.87	34.1	-6.95	30.2	-5.98	31.2	-6.24
30.5	-.16	45.7	-.97	61.0	-2.79	89.6	-5.07	46.0	-5.58	49.4	-6.24	46.3	-6.16	46.9	-6.32
45.7	-.43	61.0	-.94	91.4	-3.49	120.1	-4.62	63.4	-5.45	64.6	-5.93	61.3	-5.99	62.0	-6.18
61.3	-.68	91.4	-1.56	121.9	-2.97	150.0	-4.20	76.3	-5.30	79.9	-5.77	77.1	-5.89	77.1	-6.07
91.7	-.88	121.9	-.83	152.7	-2.93	180.1	-3.26	92.2	-5.56	95.1	-5.81	91.7	-5.90	93.5	-5.98
121.9	-.48	152.4	-.85	182.6	-1.98	210.9	-2.41	107.5	-5.54	110.3	-5.74	107.9	-5.82	109.2	-5.89
152.7	-.22	182.9	-.73	213.1	-1.90	241.4	-1.45	122.5	-5.12	125.6	-5.39	122.8	-5.52	124.3	-5.59
182.9	-.24	213.4	-.49	243.5	-.71	271.6	-1.09	137.8	-4.76	140.8	-5.08	138.1	-5.17	143.7	-5.19
213.7	-.14	243.8	-.40	274.3	-.72	293.8	-.47	153.5	-4.56	156.1	-4.85	153.9	-4.89	155.4	-4.98
243.8	-.05	274.3	-.47	294.4	-.37			169.1	-4.24	171.3	-4.51	169.5	-4.56	169.7	-4.66
274.3	.10	294.7	-.28					183.8	-3.72	186.5	-4.05	184.4	-4.10	185.4	-4.24
292.6	.15							199.4	-3.14	201.8	-3.49	200.3	-3.59	200.5	-3.78
								214.4	-2.88	217.0	-3.19	215.5	-3.30	219.3	-3.34
								229.8	-2.54	232.3	-2.85	230.7	-2.92	232.0	-3.06
								245.1	-2.21	247.5	-2.54	246.3	-2.63	248.6	-2.71
								260.7	-1.88	262.7	-2.25	261.5	-2.32	263.1	-2.46
								275.7	-1.49	278.0	-1.89	276.8	-1.89	278.8	-2.02
								291.6	-.98	293.2	-1.43	292.6	-1.38	293.3	-1.70
								304.8	-.53			291.7	-1.38		
								314.3	-.53						

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

GULF MOBIL KAMIK D-48
-WELL SPUDDED 75 12 23
-DRILLING FOR 102 DAYS
-TOTAL DEPTH 3235 METRES
-DRILLING STOPPED 76 4 4
-WELL ABANDONED 76 4 4

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

GULF MOBIL KAMIK D-48
-DEMARRAGE DU PUITS LE 75 12 23
-FORAGE PENDANT 102 JOURS
-PROFONDEUR TOTALE 3235 METRES
-FORAGE ARRETE LE 76 4 4
-ABANDON DU PUITS LE 76 4 4

EARTH PHYSICS BRANCH NO.
274 SIKU C-11
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 0.0 MINUTES NORTH
133 DEGREES 33.8 MINUTES WEST

69 DEGRES 0.0 MINUTES NORD
133 DEGRES 33.8 MINUTES OUEST

ELEVATION 58 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 76 4 26		DATE 76 7 10		DATE 76 10 21		DATE 77 3 14		DATE 77 8 14		DATE 78 7 16		DATE 80 7 29	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
15.2	-.09	18.0	-.33	15.2	-1.48	61.3	-1.24	30.6	-.40	14.9	-3.61	15.4	-5.18
30.5	.51	30.2	-.08	30.2	-.31	91.4	-4.00	61.3	-3.47	30.8	-2.41	30.4	-5.05
46.0	.76	60.7	-.15	61.0	-.47	121.6	-3.92	91.9	-4.29	61.6	-4.43	46.1	-4.96
61.0	.33	91.7	-.21	91.1	-3.33	152.1	-3.74	122.5	-4.14	91.7	-4.56	61.5	-4.86
91.7	-.11	122.2	-.30	122.2	-3.02	182.6	-3.10	153.2	-3.91	122.8	-4.39	76.6	-4.81
121.6	-.15	152.7	-.97	152.1	-3.12	213.4	-2.10	183.8	-3.38	153.3	-4.13	92.3	-4.74
153.0	.27	182.9	-.41	183.2	-1.77	243.8	-1.24	214.4	-2.56	184.1	-3.71	107.7	-4.62
182.6	-.21	213.7	-.62	213.1	-1.16	274.3	-.57	245.4	-1.76	214.6	-2.97	122.7	-4.51
213.1	-.44	243.8	-.37	243.5	-.58	304.5	-.41	275.7	-.73	245.4	-2.29	138.4	-4.38
243.8	-.31	274.3	-.31	274.6	-.41	335.0	-.31	306.6	-.39	275.8	-1.59	153.8	-4.26
273.7	-.18	305.1	-.30	304.5	-.36	365.8	-.14	337.0	-.27	306.6	-.97	168.8	-4.09
305.1	-.10	335.3	-.28	335.0	-.30	381.0	.53	367.6	-.10	336.8	-.35	184.5	-3.90
320.0	-.07	350.8	-.25	350.2	-.30	395.9	1.22	398.8	1.06	367.6	-.16	199.9	-3.58
335.0	-.04	365.5	.30	365.8	-.06	426.7	2.28	429.2	2.12	398.4	1.03	215.3	-3.23
350.5	-.01	381.3	1.45	373.4	.45	456.9	3.41	459.8	3.29	429.2	2.21	230.7	-2.80
365.8	.61	395.9	2.30	381.0	.79	487.4	4.21	490.4	4.06	459.3	3.16	246.0	-2.44
381.0	2.20	411.5	2.98	388.6	1.23	517.9	4.93			490.4	3.97	261.4	-2.14
395.9	3.65	427.0	3.50	396.2	1.62					520.9	4.82	276.8	-1.85
411.2	4.36	442.0	4.05	426.4	2.69							292.2	-1.53
426.7	5.01	456.9	4.53	457.2	3.80							307.5	-1.23
456.9	5.96	487.7	5.30	487.4	4.54							322.9	-.94
487.7	6.84	518.2	6.01	518.2	5.31							338.3	-.65
												353.7	-.39
												369.1	-.23
												384.4	.21
												399.8	.77
												414.9	1.30
												430.3	1.71

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

GULF MOBIL SIKU C-11
-WELL SPUDDED 75 12 26
-DRILLING FOR 61 DAYS
-TOTAL DEPTH 3295 METRES
-DRILLING STOPPED 76 2 26
-WELL ABANDONED 76 2 26

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

GULF MOBIL SIKU C-11
-DEMARRAGE DU PUITS LE 75 12 26
-FORAGE PENDANT 61 JOURS
-PROFONDEUR TOTALE 3295 METRES
-FORAGE ARRETE LE 76 2 26
-ABANDON DU PUITS LE 76 2 26

EARTH PHYSICS BRANCH NO.
275 PARSONS N-17
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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68 DEGREES 56.9 MINUTES NORTH
133 DEGREES 34.0 MINUTES WEST

68 DEGRES 56.9 MINUTES NORD
133 DEGRES 34.0 MINUTES OUEST

ELEVATION 52 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 76 4 21		DATE 76 7 10		DATE 76 10 20		DATE 77 3 12		DATE 77 8 14		DATE 78 3 17		DATE 78 7 15		DATE 79 7 19	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
30.2	2.38	30.2	-.37	15.2	-1.78	30.8	-2.55	30.6	-.74			15.5	-.96	30.8	-1.31
46.3	4.99	45.7	-.40	30.2	-.97	61.3	-.90	61.3	-.77	34.1	-1.91	31.1	-1.00	46.3	-1.38
60.7	4.73	61.0	-.40	45.7	-.77	91.4	-.85	92.2	-.92	64.6	-1.22	61.3	-1.64	61.7	-3.29
91.7	4.93	91.4	.01	61.0	-.70	121.9	-.79	122.5	-.81	95.1	-1.38	92.0	-1.60	77.7	-3.63
121.9	8.36	121.9	1.15	76.2	-.66	152.7	-.69	153.2	-1.68	125.6	-.84	122.5	-.88	92.8	-2.16
152.7	2.43	152.4	-.36	91.4	-.36	183.2	-.67	183.8	-1.13	156.1	-2.74	153.0	-3.07	108.6	-.96
182.9	2.70	182.9	-.24	106.7	.64	213.1	-.52	214.4	-.78	186.5	-2.07	184.1	-2.38	123.7	-1.03
213.4	2.67	213.4	-.24	121.9	-.47	243.8	-.47	245.1	-.55	217.0	-1.51	214.6	-1.75	139.1	-3.41
243.8	3.56	243.8	-.29	152.1	-.53	274.6	-.46	276.0	-.51	247.5	-.82	245.4	-1.00	154.5	-3.45
274.6	2.70	274.3	-.30	182.9	-.39	304.8	-.37	306.6	-.38	278.0	-.57	275.5	-.67	170.3	-3.09
304.8	3.38	304.8	-.26	213.7	-.35	335.3	-.18	337.3	-.19	308.5	-.43	306.3	-.41	186.3	-2.75
335.6	4.00	335.3	.21	243.8	-.40	350.5	.59	367.6	1.04	338.9	-.21	337.1	-.21	200.8	-2.56
350.5	4.91	365.5	3.39	274.3	-.38	365.8	1.41	398.2	2.16	369.4	.73	367.9	.91	216.2	-2.19
357.8	6.49	396.2	4.48	304.5	-.35	396.2	2.35	428.9	3.12	399.9	1.82	398.4	1.92	232.9	-1.76
366.1	8.00	426.7	5.36	320.8	-.28	426.7	3.41	459.5	3.95	430.4	2.88	429.2	2.82	247.4	-1.54
396.2	9.24	457.2	6.35	335.3	-.13	457.5	4.24	490.1	4.82	460.9	3.71	459.6	3.83	262.5	-1.19
426.7	10.04	487.7	7.04	350.5	.84	488.0	5.10			491.3	4.58	490.1	4.61	277.9	-.96
457.2	11.03	518.2	7.77	365.8	1.94	518.2	5.93			521.8	5.40	520.6	5.43	293.9	-.67
487.7	11.79	548.6	8.57	381.0	2.60							551.4	6.32	309.7	-.43
518.5	12.50	579.1	9.18	396.2	3.12							581.9	6.99	324.5	-.27
548.6	12.87	609.6	10.14	426.7	4.08							612.6	8.01	339.9	-.21
579.1	13.41			457.2	4.92							643.1	9.18	355.3	.18
609.6	14.12			487.7	5.73							674.2	10.06	371.1	.78
				518.2	6.50							704.7	10.78	386.5	1.34
												735.2	11.47	401.9	1.78
												744.3	11.61	417.0	2.12
														433.1	2.70
														447.9	2.95
														463.0	3.67
														479.3	4.06
														494.1	4.46
														509.6	4.90
														525.0	5.30
														555.8	6.20
														586.1	6.87
														617.2	7.90
														649.0	9.11
														679.2	9.95

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

GULF MOBIL PARSONS N-17
-WELL SPUDDED 75 12 18
-DRILLING FOR 116 DAYS
-TOTAL DEPTH 3295 METRES
-DRILLING STOPPED 76 4 13
-WELL ABANDONED 76 4 13

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

GULF MOBIL PARSONS N-17
-DEMARRAGE DU PUITS LE 75 12 18
-FORAGE PENDANT 116 JOURS
-PROFONDEUR TOTALE 3295 METRES
-FORAGE ARRETE LE 76 4 13
-ABANDON DU PUITS LE 76 4 13

EARTH PHYSICS BRANCH NO.
277 SIKU A-12
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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69 DEGREES 1.0 MINUTES NORTH
133 DEGREES 32.5 MINUTES WEST

69 DEGRES 1.0 MINUTES NORD
133 DEGRES 32.5 MINUTES OUEST

ELEVATION 56 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 76 10 21		DATE 77 3 14		DATE 77 8 14		DATE 78 7 16		DATE 79 7 19		DATE 80 7 26	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
15.2	-2.27	61.0	-2.49	30.6	-.89	15.2	-4.25	30.5	-4.69	15.6	-5.52
30.2	-.39	91.4	-1.09	61.0	-3.71	30.8	-2.67	62.0	-4.31	30.4	-4.91
60.7	-.31	121.6	-.48	91.9	-2.98	61.6	-4.16	93.5	-3.88	45.7	-4.58
91.1	-.28	152.4	-2.14	122.2	-2.65	91.7	-3.74	124.6	-3.57	61.3	-4.40
121.9	-.38	182.9	-2.25	152.9	-2.94	122.5	-3.43	154.5	-3.36	76.4	-4.22
152.4	-.43	213.4	-.99	183.5	-2.36	153.3	-3.29	185.7	-2.99	91.7	-4.00
182.9	-.51	243.8	-.55	214.1	-1.56	183.8	-2.87	217.1	-2.38	107.3	-3.77
213.4	-.60	274.3	-.42	244.8	-.80	214.3	-2.20	247.7	-1.62	122.7	-3.64
243.5	-.41	305.1	-.47	275.4	-.46	245.1	-1.43	278.2	-1.19	138.3	-3.54
274.0	-.30	335.0	-.33	306.0	-.50	275.2	-.94	310.0	-.67	153.3	-3.43
304.8	-.34	350.5	-.19	336.7	-.31	306.6	-.62	339.3	-.30	168.6	-3.29
335.0	-.29	365.5	1.19	367.0	.83	336.8	-.33	355.0	-.21	183.7	-3.08
350.5	.13	395.9	2.16	397.9	1.82	367.6	.51	370.8	.42	199.3	-2.83
358.1	.66	426.4	2.87	428.5	2.64	398.1	1.59	402.9	1.51	214.3	-2.58
366.1	2.30			459.2	3.37	428.5	2.42	432.1	2.21	229.7	-2.24
381.0	2.76			478.5	3.83	459.3	3.14			245.6	-1.82
396.2	3.28					490.1	3.97			260.6	-1.57
426.7	3.88					520.6	4.78			276.3	-1.34
						551.1	5.68			291.3	-1.13
										306.6	-.84
										322.0	-.46
										337.3	-.32
										352.9	-.24
										367.7	.33
										383.3	.75
										398.6	1.27
										413.6	1.81
										429.3	2.12

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

GULF MOBIL SIKU A-12
-WELL SPUDDED 76 4 14
-DRILLING FOR 44 DAYS
-TOTAL DEPTH 3288 METRES
-DRILLING STOPPED 76 5 28

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

GULF MOBIL SIKU A-12
-DEMARRAGE DU PUITS LE 76 4 14
-FORAGE PENDANT 44 JOURS
-PROFONDEUR TOTALE 3288 METRES
-FORAGE ARRETE LE 76 5 28

EARTH PHYSICS BRANCH NO. 279 PARSONS L-37
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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69 DEGREES 56.7 MINUTES NORTH
133 DEGREES 39.9 MINUTES WEST

68 DEGRES 56.7 MINUTES NORD
133 DEGRES 39.9 MINUTES OUEST

ELEVATION 38 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 77 4 15		DATE 78 4 14		DATE 78 7 15		DATE 79 7 19		DATE 80 7 29	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
15.2	-2.50	15.2	-7.59	15.5	-5.96	33.0	-5.84	15.4	-6.58
30.5	-.58	30.5	-6.17	30.5	-5.52	47.2	-5.13	30.8	-6.09
61.0	.18	45.4	-4.72	46.3	-4.68	62.0	-4.47	45.8	-5.39
91.4	.75	61.3	-3.55	61.6	-3.79	77.7	-3.74	61.5	-4.67
121.9	.20	75.9	-2.61	77.1	-3.00	92.8	-3.23	76.6	-4.07
152.4	1.02	91.4	-1.63	92.4	-2.19	108.6	-2.90	92.3	-3.50
182.9	2.03	106.7	-1.74	107.6	-2.26	124.0	-2.61	108.0	-3.10
213.4	.80	122.2	-1.85	123.1	-2.11	141.3	-2.25	123.0	-2.82
243.8	1.52	137.2	-1.44	138.7	-1.76	156.7	-1.90	138.4	-2.51
274.3	1.16	152.4	-1.05	153.6	-1.36	170.3	-1.65	153.8	-2.19
304.8	1.79	167.6	-.61	169.5	-.88	185.4	-1.34	169.2	-1.92
320.0	4.20	182.9	-.62	184.4	-.74	201.4	-1.07	184.5	-1.64
337.4	5.82	198.4	-.43	200.3	-.52	217.8	-.78	199.9	-1.39
		213.7	-.34	215.5	-.38	231.6	-.65	215.3	-1.26
		228.9	-.32	231.0	-.36	247.4	-.75	230.7	-1.11
		243.8	-.45	246.3	-.48	263.1	-.56	246.0	-.97
		259.1	-.38	261.5	-.41	277.9	-.27	261.4	-.82
		274.3	-.28	277.1	-.30	293.6	-.27	276.8	-.28
		289.6	-.29	292.6	-.30				
		304.8	-.28						

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

GULF MOBIL PARSONS L-37
-WELL SPUDDED 76 12 26
-DRILLING FOR 99 DAYS
-TOTAL DEPTH 3961 METRES
-WELL ABANDONED 77 4 4

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

GULF MOBIL PARSONS L-37
-DEMARRAGE DU PUITS LE 76 12 26
-FORAGE PENDANT 99 JOURS
-PROFONDEUR TOTALE 3961 METRES
-ABANDON DU PUITS LE 77 4 4

EARTH PHYSICS BRANCH NO. 280 KUMAK E-58
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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69 DEGREES 17.5 MINUTES NORTH
135 DEGREES 14.9 MINUTES WEST

69 DEGRES 17.5 MINUTES NORD
135 DEGRES 14.9 MINUTES OUEST

ELEVATION 2 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 77 8 14		DATE 78 3 17		DATE 78 7 21		DATE 80 7 28	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
30.6	-.87	34.1	-2.77	14.9	-2.70	15.4	-3.33
61.3	-.40	64.6	-.80	30.5	-2.46	31.1	-2.95
91.9	-.25	95.1	-.44	61.3	-.93	46.1	-2.18
122.8	-.21	125.6	-.31	91.4	-.43	63.9	-1.39
153.2	-.92	156.1	-1.05	121.6	-.39	77.5	-.96
184.1	-.22	186.5	-.36	152.7	-1.10	92.3	-.66
214.4	.08	217.0	-.70	182.9	-.46	107.7	-.60
244.9	.92	247.5	-.10	213.4	-.77	123.0	-.61
275.7	1.91	278.0	.67	243.5	-.17	138.4	-.70
306.3	2.56	308.5	1.30	274.0	.52	153.9	-1.15
336.7	3.06	338.9	1.88	305.1	1.13	169.1	-.89
367.3	3.63	369.4	2.43	335.3	1.84	184.5	-.76
398.2	4.22	399.9	3.07	365.8	2.36	199.9	-.75
428.9	4.72	430.4	3.65	396.5	2.99	215.3	-.85
459.8	5.29	460.9	4.36	427.0	3.58	230.7	-.68
490.1	5.80	491.3	4.88	457.2	4.27	246.0	-.40
		521.8	5.46	487.7	4.78	261.4	-.07
				517.9	5.19	276.8	.20
				548.9	5.54	292.2	.61
				579.1	6.15	307.5	.93
				609.6	6.79	322.9	1.23
				640.4	7.32	338.3	1.48
				670.6	7.79	353.7	1.85
				701.0	8.38	369.1	2.06
				731.5	9.01	384.4	2.31
				762.0	9.61	399.8	2.70
						415.2	2.95
						430.6	3.28
						446.0	3.55
						461.3	4.00
						476.7	4.32
						492.1	4.53
						507.5	4.71
						522.8	4.95
						538.2	5.09
						553.6	5.31

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

SHELL KUMAK E-58
-WELL SPUDDED 77 2 28
-DRILLING FOR 100 DAYS
-TOTAL DEPTH METRES
-WELL ABANDONED 77 6 8

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

SHELL KUMAK E-58
-DEMARRAGE DU PUITS LE 77 2 28
-FORAGE PENDANT 100 JOURS
-PROFONDEUR TOTALE METRES
-ABANDON DU PUITS LE 77 6 8

EARTH PHYSICS BRANCH NO. 281 SADENE D-02

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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68 DEGREES 51.0 MINUTES NORTH
126 DEGREES 47.3 MINUTES WEST

68 DEGRES 51.0 MINUTES NORD
126 DEGRES 47.3 MINUTES OUEST

ELEVATION 233 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 77 8 13		DATE 78 7 20		DATE 80 7 27	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
15.6	-4.84	60.7	-1.70	7.7	-.31
30.6	-3.75	91.4	-1.46	15.3	-.54
46.0	-2.48	121.6	-1.81	22.7	-.55
61.3	-.23	152.7	-1.45	31.0	-.57
76.6	-.18	182.9	-1.18	38.3	-1.18
91.9	-.15	213.1	-.95	45.7	-1.39
107.2	-.18			53.6	-2.40
122.5	-.36			61.0	-2.40
137.8	-.44			69.0	-2.42
153.2	-.42			77.0	-2.40
168.5	-.43			84.6	-2.34
183.8	-.38			92.0	-2.29
199.1	-.34			99.7	-2.24
214.7	-.33			107.3	-2.18
229.8	-.29			115.0	-2.12
245.1	-.14			123.0	-2.06
260.4	-.03			130.6	-1.97
275.7	-.17			138.3	-1.87
291.0	-.14			145.0	-1.76
306.3	-.09			153.3	-1.65
321.6	.52			161.0	-1.58
337.3	.80			168.6	-1.51
352.3	.79			176.6	-1.43
367.6	.83			184.0	-1.36
382.9	1.08			191.7	-1.30
397.9	1.09			199.6	-1.22
413.9	1.05			207.0	-1.15
428.9	1.11			214.9	-1.09
				222.3	-1.02
				230.3	-.96
				237.9	-.89
				245.3	-.88

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

MOBIL GULF SADENE D-02
-WELL SPUDDED 77 3 8
-DRILLING FOR 55 DAYS
-TOTAL DEPTH 1860 METRES
-DRILLING STOPPED 77 5 2
-WELL ABANDONED 77 5 6

MOBIL GULF SADENE D-02
-DEMARRAGE DU PUITS LE 77 3 8
-FORAGE PENDANT 55 JOURS
-PROFONDEUR TOTALE 1860 METRES
-FORAGE ARRETE LE 77 5 2
-ABANDON DU PUITS LE 77 5 6

EARTH PHYSICS BRANCH NO. 282 TAGLU N-43

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 22.8 MINUTES NORTH
134 DEGREES 56.3 MINUTES WEST

69 DEGRES 22.8 MINUTES NORD
134 DEGRES 56.3 MINUTES OUEST

ELEVATION 2 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 77 4 16		DATE 77 8 14		DATE 78 7 18		DATE 80 7 26	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
8.7	-3.17	15.1	-4.94	7.6	-6.05	14.0	-5.25
16.4	-2.10	23.1	-4.79	15.2	-4.95	29.4	-4.49
24.0	-2.63	30.5	-4.38	22.9	-4.76	44.8	-3.83
31.6	-2.43	38.4	-4.02	30.5	-4.46	60.4	-3.22
39.2	-1.99	45.8	-3.73	38.4	-4.06	75.5	-2.50
46.8	-1.15	53.5	-3.44	45.7	-3.78	90.9	-2.03
54.5	-1.49	61.4	-3.15	53.3	-3.51	106.3	-1.57
62.1	-1.60	68.8	-2.80	61.0	-3.18	121.6	-1.27
69.7	-.54	76.4	-2.46	68.9	-2.80	137.0	-1.12
77.6	-.93	84.4	-2.17	76.2	-2.46	152.4	-1.01
84.9	.04	91.7	-1.95	83.8	-2.20		
92.9	.35	99.4	-1.77	91.1	-2.01		
100.2	-.10	107.4	-1.59	99.1	-1.80		
107.8	-.08	114.7	-1.37	106.7	-1.55		
115.1	-.20	122.1	-1.22	114.3	-1.37		
123.0	-.35	130.0	-1.13	121.6	-1.24		
130.7	.99	138.0	-1.04	129.5	-1.16		
138.3	1.49	146.3	-1.00	137.2	-1.09		
145.9	-.26	153.3	-.98	144.8	-1.05		
153.5	.58	160.7	-.97	152.4	-.99		
161.5	.54			160.0	-.97		
168.8	.24						
176.4	.08						
184.0	.76						

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

IMPERIAL TAGLU N-43
-WELL SPUDDED 77 4 9
-DRILLING FOR 4 DAYS
-TOTAL DEPTH 193 METRES
-DRILLING STOPPED 77 4 13
-WELL ABANDONED 77 4 13

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

IMPERIAL TAGLU N-43
-DEMARRAGE DU PUITS LE 77 4 9
-FORAGE PENDANT 4 JOURS
-PROFONDEUR TOTALE 193 METRES
-FORAGE ARRETE LE 77 4 13
-ABANDON DU PUITS LE 77 4 13

EARTH PHYSICS BRANCH NO. 284 SIKU E-21

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES .5 MINUTES NORTH
133 DEGREES 36.9 MINUTES WEST

69 DEGRES .5 MINUTES NORD
133 DEGRES 36.9 MINUTES OUEST

ELEVATION 55 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 78 4 14		DATE 78 7 16		DATE 79 7 10		DATE 80 7 26	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
30.8	-.92	15.5	-3.96	31.8	-4.85	16.2	-5.87
61.0	-3.91	30.5	-2.54	62.6	-4.51	31.0	-5.25
91.4	-3.90	61.3	-4.28	94.1	-4.51	46.0	-4.99
121.9	-3.50	92.0	-4.17	123.7	-4.28	61.3	-4.92
152.4	-3.61	122.2	-3.89	156.7	-4.02	76.4	-4.86
182.9	-3.05	153.0	-3.76	186.6	-3.62	92.0	-4.70
213.7	-2.27	183.8	-3.31	215.9	-2.95	107.6	-4.53
243.8	-1.50	214.6	-2.56	247.7	-2.36	122.7	-4.42
274.3	-.62	245.1	-1.90	278.2	-2.05	138.3	-4.33
305.1	-.68	275.8	-1.08	310.0	-1.40	153.6	-4.19
335.3	-.40	306.3	-1.05	339.6	-.79	168.6	-3.97
350.5	-.32	336.8	-.42	370.8	-.27	184.0	-3.79
365.8	-.31	367.6	-.28	403.8	.53	199.3	-3.49
381.0	-.16	398.4	.63	432.5	1.21	214.6	-3.21
396.2	.73	429.2	1.41			230.3	-2.92
411.5	1.13	430.1	1.47			245.3	-2.61
426.7	1.44					260.9	-2.38
						276.0	-2.22
						291.0	-1.96
						306.3	-1.66
						322.0	-1.28
						337.6	-1.00
						352.9	-.69
						368.6	-.33
						383.0	-.20
						398.6	.25
						413.9	.72
						429.0	1.04
						444.6	1.29

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

GULF MOBIL SIKU E-21
-WELL SPUDDED 77 4 17
-DRILLING FOR 65 DAYS
-TOTAL DEPTH 3428 METRES
-WELL ABANDONED 77 6 21

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

GULF MOBIL SIKU E-21
-DEMARRAGE DU PUITS LE 77 4 17
-FORAGE PENDANT 65 JOURS
-PROFONDEUR TOTALE 3428 METRES
-ABANDON DU PUITS LE 77 6 21

EARTH PHYSICS BRANCH NO. 285 PARSONS D-20

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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68 DEGREES 59.2 MINUTES NORTH
133 DEGREES 34.4 MINUTES WEST

68 DEGRES 59.2 MINUTES NORD
133 DEGRES 34.4 MINUTES OUEST

ELEVATION 62 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 78 4 14		DATE 78 7 16		DATE 79 7 10		DATE 80 7 29	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
30.2	-.90	15.2	-2.62	30.8	-.76	16.0	-3.02
61.0	-4.07	30.2	-.78	46.6	-4.93	31.1	-1.43
91.7	-3.33	61.6	-4.43	62.0	-5.24	46.8	-5.26
121.9	-2.56	91.4	-3.86	77.4	-4.97	61.6	-5.51
152.4	-2.65	122.5	-3.26	92.8	-4.68	77.6	-5.32
183.2	-1.67	152.7	-3.01	108.3	-4.32	92.7	-5.07
213.7	-.67	184.1	-2.37	124.0	-4.22	107.7	-4.83
244.1	-.45	214.3	-.86	139.4	-4.29	122.8	-4.64
274.3	-.46	245.1	-.59	157.0	-3.71	138.2	-4.57
305.1	-.47	275.5	-.48	170.4	-3.30	153.0	-4.24
335.3	-.43	306.0	-.47	186.0	-3.14	168.3	-3.71
350.8	-.16	336.8	-.44	202.4	-2.62	184.4	-3.44
365.5	1.38	367.9	1.25	216.8	-2.25	199.8	-3.13
381.0	1.84	398.4	2.13	231.3	-1.49	215.2	-2.72
396.2	2.28	429.2	2.98	247.4	-.89	231.2	-2.24
426.7	3.10	459.6	3.86	263.4	-.61	246.3	-1.81
457.5	3.91	490.1	4.77	278.5	-.58	262.0	-1.35
487.7	4.85	520.6	5.54	293.9	-.56	276.8	-.95
518.5	5.67	551.1	6.46	308.4	-.52	292.5	-.72
		581.9	7.33	324.5	-.53	308.2	-.64
		612.6	8.15	339.9	-.44	322.9	-.54
		643.4	9.04	355.0	.13	338.9	-.53
		673.6	9.83	370.1	1.04	354.0	-.25
		704.4	10.47	387.1	1.50	369.4	.77
				401.0	1.88	384.8	1.23
				416.2	2.41	399.9	1.63
				432.5	2.74	415.3	2.07
				447.0	3.12	431.0	2.50
				463.3	3.57	446.1	2.84
				479.1	4.11	461.5	3.31
				494.4	4.54	477.2	3.81
				509.3	4.91	492.6	4.25
				524.5	5.40	508.0	4.67
				542.9	5.79	524.0	5.11
				555.5	6.25	540.3	5.52
				571.0	6.68	554.1	5.95
				586.7	7.11	569.5	6.49
				601.0	7.54	584.9	6.89
				617.0	7.97	600.3	7.30
				647.0	8.82	616.0	7.73
				678.6	9.63	631.4	8.12
						646.5	8.58
						661.0	9.02
						677.0	9.42
						692.7	9.79
						708.1	10.10

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

GULF MOBIL PARSONS D-20
-WELL SPUDDED 78 4 21
-DRILLING FOR 17 DAYS
-TOTAL DEPTH 410 METRES
-DRILLING STOPPED 78 10 14
-WELL ABANDONED 78 11 22

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

GULF MOBIL PARSONS D-20
-DEMARRAGE DU PUITS LE 78 4 21
-FORAGE PENDANT 17 JOURS
-PROFONDEUR TOTALE 410 METRES
-FORAGE ARRETE LE 78 10 14
-ABANDON DU PUITS LE 78 11 22

EARTH PHYSICS BRANCH NO. 286 BENT HORN F-72A
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

76 DEGREES 21.5 MINUTES NORTH
103 DEGREES 58.2 MINUTES WEST

76 DEGRES 21.5 MINUTES NORD
103 DEGRES 58.2 MINUTES OUEST

ELEVATION 43 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 78 5 25		DATE 79 5 27		DATE 80 5 16	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
14.0	-11.88	32.8	-13.15	15.8	-11.10
44.5	-14.62	46.4	-14.72	39.0	-14.70
75.0	-14.10	62.1	-14.50	62.0	-14.52
105.5	-13.45	77.3	-14.20	94.9	-13.93
135.9	-12.49	93.4	-13.85	124.0	-12.94
166.4	-11.61	108.5	-13.46	155.3	-12.04
196.9	-10.62	124.0	-12.87	186.3	-11.16
227.4	-9.84	139.1	-12.46	217.0	-10.11
257.9	-8.89	154.9	-12.16	248.0	-9.19
288.3	-8.23	170.3	-11.62	281.8	-8.38
318.8	-7.41	185.5	-11.10	310.3	-7.77
349.3	-6.56	200.9	-10.54	341.0	-6.80
379.8	-5.89	217.0	-10.08	372.0	-6.05
410.3	-5.24	231.8	-9.73	403.0	-5.48
440.7	-4.64	247.3	-9.20	434.3	-4.90
471.2	-4.01	265.8	-8.80	465.3	-4.34
501.7	-3.40	281.6	-8.37	496.3	-3.77
532.2	-2.62	294.0	-8.11	527.3	-3.04
563.3	-1.84	309.4	-7.79	558.3	-2.39
593.8	-1.14	324.9	-7.28	589.3	-1.65
624.2	-.40	341.0	-6.91	620.0	-.78
655.3	.45	355.5	-6.41	651.0	.06
685.8	1.33	373.1	-6.02	682.0	.96
716.6	1.94	386.7	-5.76	713.3	1.70
747.1	2.47	402.8	-5.47	744.0	2.22
777.5	2.99	417.6	-5.20	775.0	2.76
808.0	3.65	432.8	-4.93	806.0	3.33
		448.5	-4.65	837.0	4.08
		464.3	-4.35		
		479.5	-4.04		
		494.6	-3.86		
		510.4	-3.42		
		525.5	-3.03		
		541.0	-2.70		
		557.4	-2.30		
		571.9	-1.92		
		588.6	-1.55		

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

PANARCTIC BENT HORN F-72A
-WELL SPUDDED 75 8 24
-DRILLING FOR 58 DAYS
-TOTAL DEPTH 3270 METRES
-DRILLING STOPPED 75 10 21
-WELL ABANDONED 75 12 19

PANARCTIC BENT HORN F-72A
-DEMARRAGE DU PUITS LE 75 8 24
-FORAGE PENDANT 58 JOURS
-PROFONDEUR TOTALE 3270 METRES
-FORAGE ARRETE LE 75 10 21
-ABANDON DU PUITS LE 75 12 19

EARTH PHYSICS BRANCH NO. 287 TAGLU H-54
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 23.3 MINUTES NORTH
134 DEGREES 58.1 MINUTES WEST

69 DEGRES 23.3 MINUTES NORD
134 DEGRES 58.1 MINUTES OUEST

ELEVATION 1 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 78 7 26		DATE 79 7 10	
Z(M)	T(C)	Z(M)	T(C)
15.2	-5.67	31.2	-4.25
30.2	-3.98	46.9	-3.79
60.7	-2.93	61.7	-2.78
91.4	-1.26	77.1	-1.98
121.9	-.58	92.5	-1.43
152.1	-.40	108.3	-.92
182.6	-.38	123.4	-.50
213.1	-.49	139.1	-.54
243.5	-.47	154.8	-.40
274.0	-.48	170.0	-.42
304.8	-.58	185.1	-.38
335.0	-.54	216.2	-.55
365.8	-.48	247.1	-.56
395.9	-.59	278.5	-.55
426.7	-.96	308.8	-.65
457.2	-.64	339.6	-.64
487.7	-.55	370.1	-.58
517.9	.48	401.3	-.75
548.6	1.08	432.5	-.98
579.1	1.84	463.3	-.70
609.6	2.61	495.1	-.57
639.8	3.37	524.7	.29
670.6	4.19	555.2	.99
700.7	5.27	571.0	1.30
722.4	5.82	586.4	1.68
		601.5	2.08
		616.9	2.44
		632.6	2.87
		651.5	3.28
		672.1	3.71
		708.5	4.04
		724.6	4.65
		739.7	5.05
		755.1	5.52
		770.5	5.61

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

IOE TAGLU H-54
-WELL SPUDDED 76 12 2
-DRILLING FOR 94 DAYS
-TOTAL DEPTH 2800 METRES
-DRILLING STOPPED 77 3 6
-WELL ABANDONED 77 4 5

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

IOE TAGLU H-54
-DEMARRAGE DU PUITS LE 76 12 2
-FORAGE PENDANT 94 JOURS
-PROFONDEUR TOTALE 2800 METRES
-FORAGE ARRETE LE 77 3 6
-ABANDON DU PUITS LE 77 4 5

EARTH PHYSICS BRANCH NO. 289 RED MOUNTAIN -1
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

60 DEGREES 59.6 MINUTES NORTH
133 DEGREES 45.3 MINUTES WEST

60 DEGRES 59.6 MINUTES NORD
133 DEGRES 45.3 MINUTES OUEST

ELEVATION 1500 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 79 7 29		DATE 80 8 11	
Z(M)	T(C)	Z(M)	T(C)
39.0	1.39	45.7	1.27
58.0	1.51	61.0	1.35
78.0	1.67	76.2	1.50
95.0	1.82	91.1	1.64
111.0	2.03	106.3	1.83
126.0	2.24	122.2	2.02
138.0	2.50	137.1	2.29
152.0	2.87	152.6	2.80
169.0	3.27	159.9	2.95
184.0	3.55	167.5	3.10
199.0	3.85	175.1	3.24
216.0	4.17	182.7	3.37
229.0	4.43	190.4	3.54
245.0	4.74	198.3	3.70
259.0	5.04	206.1	3.85
275.0	5.34	213.0	3.98
289.0	5.66	220.8	4.14
306.0	5.96	228.4	4.29
320.0	6.24	235.3	4.43
331.0	6.48	243.1	4.59
348.0	6.85	251.3	4.75
363.0	7.12	258.2	4.89
376.0	7.41	265.7	5.05
391.0	7.72	273.5	5.22
405.0	8.01	280.8	5.37
420.0	8.31	288.3	5.50
434.0	8.60	296.1	5.68
448.0	8.88	303.3	5.82
461.0	9.16	311.2	5.97
475.0	9.43	318.4	6.12
488.0	9.72	325.1	6.28
502.0	9.98	332.0	6.41
516.0	10.08	339.8	6.57
524.0	10.25	346.6	6.72
		353.8	6.86
		361.0	7.01
		368.1	7.14
		375.6	7.31
		382.7	7.46
		389.6	7.61
		396.8	7.76
		403.9	7.92
		411.1	8.07
		418.2	8.22
		425.1	8.37
		432.8	8.52
		440.0	8.67
		446.5	8.81
		453.7	8.94
		460.0	9.08
		466.5	9.22

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

AMOCO RED MOUNTAIN RMY-79-6
-WELL SPUDDED 79 6 10
-DRILLING FOR 19 DAYS
-TOTAL DEPTH 618 METRES
-DRILLING STOPPED 79 6 28

AMOCO RED MOUNTAIN RMY-79-6
-DEMARRAGE DU PUITS LE 79 6 10
-FORAGE PENDANT 19 JOURS
-PROFONDEUR TOTALE 618 METRES
-FORAGE ARRETE LE 79 6 28

WELL DIRECTIONALLY DRILLED. DEPTHS IN TABLES HAVE BEEN CONVERTED TO VERTICAL.

FORAGE OBLIQUE DU PUITS. PROFONDEURS INDIQUEES DANS LES TABLES ONT ETE RAMENEES A LA VERTICALE.

EARTH PHYSICS BRANCH NO. 289 RED MOUNTAIN -2

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

60 DEGREES 59.6 MINUTES NORTH
133 DEGREES 44.7 MINUTES WEST

60 DEGRES 59.6 MINUTES NORD
133 DEGRES 44.7 MINUTES OUEST

ELEVATION 1436 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 80 8 10		DATE 80 8 11	
Z(M)	T(C)	Z(M)	T(C)
15.6	1.53	22.9	1.52
30.2	1.64	30.8	1.65
46.0	1.89	38.1	1.76
61.3	2.11	45.4	1.87
76.2	2.34	53.4	1.99
91.5	2.60	60.7	2.10
107.0	2.86	68.6	2.21
121.9	3.06	76.2	2.34
137.2	3.31	83.8	2.46
152.4	3.56	91.8	2.60
167.7	3.83	99.4	2.82
182.9	4.10	107.0	2.86
198.2	4.38	114.3	2.94
213.1	4.66	121.9	3.06
228.6	4.95	129.6	3.19
243.9	5.24	136.9	3.30
259.1	5.55	144.8	3.43
274.1	5.86	152.1	3.55
289.3	6.17	160.0	3.68
304.5	6.47	167.7	3.82
		175.3	3.96
		182.9	4.10
		190.5	4.24
		197.8	4.37
		205.8	4.52
		213.4	4.66
		221.3	4.80
		228.3	4.94
		236.0	5.08
		243.6	5.23
		251.2	5.38
		259.4	5.55
		267.0	5.71
		274.7	5.86
		282.0	6.02
		289.6	6.17
		297.5	6.33
		304.8	6.47
		312.2	6.61

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

AMOCO RED MOUNTAIN RMY-80-16A
-WELL SPUDDED 80 5 27
-DRILLING FOR 22 DAYS
-TOTAL DEPTH 501 METRES
-DRILLING STOPPED 80 6 15

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

AMOCO RED MOUNTAIN RMY-80-16A
-DEMARRAGE DU PUITS LE 80 5 27
-FORAGE PENDANT 22 JOURS
-PROFONDEUR TOTALE 501 METRES
-FORAGE ARRETE LE 80 6 15

EARTH PHYSICS BRANCH NO.
289 RED MOUNTAIN -3
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

60 DEGREES 59.6 MINUTES NORTH
133 DEGREES 44.8 MINUTES WEST

60 DEGRES 59.6 MINUTES NORD
133 DEGRES 44.8 MINUTES OUEST

ELEVATION 1502 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
80 8 10

Z(M)	T(C)
91.8	1.95
107.0	2.18
122.0	2.84
137.5	2.70
152.4	2.89
167.4	3.15
182.6	3.67
197.9	4.08
213.4	4.03
228.4	4.28
243.6	4.58
258.8	4.92
274.1	5.13
289.6	5.45
304.9	5.74
320.1	6.03
335.4	6.32
350.6	6.63
365.9	6.93

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

AMOCO RED MOUNTAIN RMY-80-17A
-WELL SPUDDED 80 6 6
-DRILLING FOR 57 DAYS
-TOTAL DEPTH 1059 METRES
-DRILLING STOPPED 80 8 1

AMOCO RED MOUNTAIN RMY-80-17A
-DEMARRAGE DU PUITS LE 80 6 6
-FORAGE PENDANT 57 JOURS
-PROFONDEUR TOTALE 1059 METRES
-FORAGE ARRETE LE 80 8 1

EARTH PHYSICS BRANCH NO. 289 RED MOUNTAIN -4

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

60 DEGREES 59.6 MINUTES NORTH
133 DEGREES 44.7 MINUTES WEST

60 DEGRES 59.6 MINUTES NORD
133 DEGRES 44.7 MINUTES OUEST

ELEVATION 1414 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 80 8 9		DATE 80 8 11	
Z(M)	T(C)	Z(M)	T(C)
15.6	1.94	15.2	2.00
30.5	2.13	30.5	2.16
45.7	2.17	45.7	2.19
61.0	2.33	61.0	2.33
76.2	2.45	76.2	2.43
91.2	3.33	91.2	3.29
106.4	3.79	106.4	3.74
122.0	3.63	114.0	3.62
136.9	3.93	122.0	3.61
152.7	3.96	129.6	3.68
167.7	4.27	137.2	3.89
182.6	4.52	145.1	3.85
198.5	4.85	152.1	3.93
213.4	5.17	160.1	4.10
228.7	5.44	167.4	4.25
243.9	5.75	175.3	4.40
259.5	6.06	182.6	4.52
274.1	6.37	190.6	4.66
289.6	6.67	198.2	4.80
304.5	6.98	206.1	4.96
320.1	7.31	213.1	5.12
335.0	7.62	221.0	5.28
350.6	7.99	228.7	5.41
365.5	8.31	236.3	5.55
381.3	8.60	243.9	5.75
396.2	8.91	251.5	5.89
411.1	9.26	259.1	6.00
426.3	9.57	266.8	6.15
441.9	9.92	274.1	6.35
457.1	10.25	282.3	6.46
472.3	10.57	289.6	6.64
487.5	10.91	297.6	6.78
502.7	11.22	304.9	6.95
518.2	11.59	312.8	7.11
533.1	11.92	319.7	7.28
548.3	12.26	327.7	7.44
563.8	12.60	335.1	7.60
578.4	12.93	343.3	7.77
594.0	13.25	350.6	7.94
609.2	13.58	358.2	8.04
624.4	13.94	365.9	8.24
		373.5	8.44
		380.8	8.55
		389.0	8.74
		396.3	8.86
		403.9	9.03
		411.5	9.21
		419.4	9.42
		426.7	9.55
		434.7	9.73
		441.7	9.86
		449.9	10.05
		456.6	10.21
		465.1	10.38
		472.1	10.50
		480.0	10.67
		487.5	10.89
		495.1	11.01
		502.4	11.19
		510.3	11.38
		517.9	11.56
		525.5	11.73
		533.4	11.90
		540.7	12.08
		548.3	12.23
		555.9	12.40
		563.5	12.57
		571.1	12.73
		579.0	12.91
		586.7	13.07
		594.3	13.21
		601.6	13.38
		609.2	13.53
		616.8	13.69
		624.7	13.94

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

AMOCO RED MOUNTAIN RMY-80-18
-WELL SPUDDED 80 6 7
-DRILLING FOR 44 DAYS
-TOTAL DEPTH 725 METRES
-DRILLING STOPPED 80 7 20

WATER FLOW AT SURFACE

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

AMOCO RED MOUNTAIN RMY-80-18
-DEMARRAGE DU PUITS LE 80 6 7
-FORAGE PENDANT 44 JOURS
-PROFONDEUR TOTALE 725 METRES
-FORAGE ARRETE LE 80 7 20

ECOULEMENT D'EAU A LA SURFACE

EARTH PHYSICS BRANCH NO.
290 HOWARDS PASS
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

62 DEGREES 34.0 MINUTES NORTH
129 DEGREES 32.5 MINUTES WEST

62 DEGRES 34.0 MINUTES NORD
129 DEGRES 32.5 MINUTES OUEST

ELEVATION 1497 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 79 8 1		DATE 79 8 2	
Z(M)	T(C)	Z(M)	T(C)
20.0	2.09	16.0	2.24
45.0	2.21	30.0	2.15
75.0	2.63	45.0	2.24
91.0	2.84	61.0	2.43
104.0	3.07	75.0	2.68
132.0	3.49	89.0	2.90
161.0	3.89	104.0	3.11
189.0	4.36	118.0	3.32
218.0	4.95	132.0	3.54
246.0	5.64	146.0	3.76
274.0	6.28	161.0	3.96
303.0	6.92	175.0	4.19
331.0	7.72	189.0	4.44
359.0	8.38	203.0	4.71
387.0	9.17	218.0	5.01
415.0	9.71		
442.0	10.29		
470.0	10.91		
496.0	11.46		
523.0	12.78		

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE.

PLACER DEVELOPMENT HOWARDS PASS ANNIV CL
-WELL SPUDDED 79 6 15
-DRILLING FOR 16 DAYS
-TOTAL DEPTH 567 METRES
-DRILLING STOPPED 79 6 30

PLACER DEVELOPMENT HOWARDS PASS ANNIV CL
-DEMARRAGE DU PUITS LE 79 6 15
-FORAGE PENDANT 16 JOURS
-PROFONDEUR TOTALE 567 METRES
-FORAGE ARRETE LE 79 6 30

WELL DIRECTIONALLY DRILLED. DEPTHS IN TABLES HAVE BEEN CONVERTED TO VERTICAL.

FORAGE OBLIQUE DU PUITS. PROFONDEURS INDIQUEES DANS LES TABLES ONT ETE RAMENEES A LA VERTICALE.

EARTH PHYSICS BRANCH NO.
291 CORNWALL 0-30
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

77 DEGREES 29.8 MINUTES NORTH
94 DEGREES 39.0 MINUTES WEST

77 DEGRES 29.8 MINUTES NORD
94 DEGRES 39.0 MINUTES OUEST

ELEVATION 20 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
80 5 15

Z(M)	T(C)
15.8	-13.82
31.3	-13.07
62.6	-12.01
94.9	-10.63
124.3	-9.02
155.0	-7.24
186.3	-5.68
217.0	-3.47
248.3	-2.43
279.0	-1.41
294.5	-.95
310.3	-.57
325.5	.01
341.3	.76
372.3	1.70
403.3	2.80
434.0	3.45
465.0	4.08
496.3	4.33

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

MOBIL CORNWALL 0-30
-WELL SPUDDED 79 6 5
-DRILLING FOR 132 DAYS
-TOTAL DEPTH 3584 METRES
-DRILLING STOPPED 79 10 15
-WELL ABANDONED 79 10 15

MOBIL CORNWALL 0-30
-DEMARRAGE DU PUITS LE 79 6 5
-FORAGE PENDANT 132 JOURS
-PROFONDEUR TOTALE 3584 METRES
-FORAGE ARRETE LE 79 10 15
-ABANDON DU PUITS LE 79 10 15

EARTH PHYSICS BRANCH NO. 292 TATHLINA LAKE
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

59 DEGREES 58.7 MINUTES NORTH
117 DEGREES 0.9 MINUTES WEST

59 DEGRES 58.7 MINUTES NORD
117 DEGRES 0.9 MINUTES OUEST

ELEVATION 297 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
80 9 19

Z(M)	T(C)
15.4	2.92
30.8	3.42
46.2	4.38
61.6	4.79
77.0	5.26
92.4	5.82
107.7	6.40
123.1	7.03
138.5	7.63
153.9	8.33
169.3	8.98
184.7	9.72
200.1	10.92
215.5	11.71
230.9	12.80
246.3	13.49
261.7	14.06
277.1	14.22

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

PARAMOUNT 12-26-126-18W5M
-WELL SPUDDED 79 2 1
-DRILLING FOR 30 DAYS
-TOTAL DEPTH 1097 METRES
-WELL ABANDONED 79 3 2

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

PARAMOUNT 12-26-126-18W5M
-DEMARRAGE DU PUITS LE 79 2 1
-FORAGE PENDANT 30 JOURS
-PROFONDEUR TOTALE 1097 METRES
-ABANDON DU PUITS LE 79 3 2

EARTH PHYSICS BRANCH NO.
293 CAMERON B-13
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

60 DEGREES 2.2 MINUTES NORTH
117 DEGREES 2.8 MINUTES WEST

60 DEGRES 2.2 MINUTES NORD
117 DEGRES 2.8 MINUTES OUEST

ELEVATION 317 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
80 9 19

Z(M)	T(C)
30.8	3.93
46.2	4.56
61.6	5.26
77.0	5.71
92.4	6.30
107.7	6.78
123.1	7.32
138.5	7.93
153.9	8.55
169.3	9.03
171.5	9.10

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

PARAMOUNT, HUDSON BAY ET AL CAMERON B-13
-WELL SPUDDED 80 3 14
-DRILLING FOR 21 DAYS
-TOTAL DEPTH 911 METRES
-DRILLING STOPPED 80 4 4
-WELL ABANDONED 80 4 4

PARAMOUNT, HUDSON BAY ET AL CAMERON B-13
-DEMARRAGE DU PUITS LE 80 3 14
-FORAGE PENDANT 21 JOURS
-PROFONDEUR TOTALE 911 METRES
-FORAGE ARRETE LE 80 4 4
-ABANDON DU PUITS LE 80 4 4

EARTH PHYSICS BRANCH NO.
294 LAC CINQUANTE -1
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

62 DEGREES 35.2 MINUTES NORTH
98 DEGREES 30.0 MINUTES WEST

62 DEGRES 35.2 MINUTES NORD
98 DEGRES 30.0 MINUTES OUEST

ELEVATION 196 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
80 7 23

Z(M)	T(C)
5.4	3.22
10.8	-.84
16.2	-1.05
21.5	-1.42
32.3	-2.22
43.1	-2.66
53.9	-2.95
64.6	-3.08
75.4	-2.68
86.2	-2.96
97.0	-3.24

TEMPERATURE RESULTS ARE OBTAINED FROM A MULTITHERMISTOR CABLE. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR D'UN CABLE A THERMISTORS MULTIPLES. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

PAN OCEAN OILS LTD YUC-20
-WELL SPUDDED 80 7 19
-DRILLING FOR 3 DAYS
-TOTAL DEPTH 253 METRES
-DRILLING STOPPED 80 7 22
-WELL ABANDONED 80 7 22

PAN OCEAN OILS LTD YUC-20
-DEMARRAGE DU PUITS LE 80 7 19
-FORAGE PENDANT 3 JOURS
-PROFONDEUR TOTALE 253 METRES
-FORAGE ARRETE LE 80 7 22
-ABANDON DU PUITS LE 80 7 22

WELL DIRECTIONALLY DRILLED. DEPTHS IN TABLES HAVE BEEN CONVERTED TO VERTICAL.

FORAGE OBLIQUE DU PUITS. PROFONDEURS INDIQUEES DANS LES TABLES ONT ETE RAMENEES A LA VERTICALE.

EARTH PHYSICS BRANCH NO. 294 LAC CINQUANTE -2

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

62 DEGREES 35.3 MINUTES NORTH
98 DEGREES 38.5 MINUTES WEST

62 DEGRES 35.3 MINUTES NORD
98 DEGRES 38.5 MINUTES OUEST

ELEVATION 199 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

	DATE 80 8 1	DATE 80 8 5	DATE 80 8 15	DATE 80 8 26
Z(M)	T(C)	T(C)	T(C)	T(C)
5.9	-.15	-.22	-.61	-1.32
11.7	-3.29	-3.53	-3.60	-3.63
17.5	-3.34	-3.55	-3.63	-3.69
23.3	-3.57	-3.76	-3.83	-3.87
35.0	-4.03	-4.20	-4.26	-4.29
46.7	-4.30	-4.43	-4.48	-4.50
58.4	-4.51	-4.65	-4.70	-4.72
70.0	-4.57	-4.70	-4.74	-4.76
81.7	-4.55	-4.68	-4.72	-4.74
93.4	-4.48	-4.60	-4.63	-4.64
105.1	-4.42	-4.49	-4.53	-4.53
116.7	-4.92	-5.46		
128.4	-5.09	-5.41		
140.1	-5.17	-5.40		
151.8	-5.08	-5.28		
163.4	-5.08	-5.25		
175.1	-4.96	-5.09		
186.8	-4.84	-4.97		
198.5	-4.67	-4.79		
210.1	-4.52	-4.63		
221.8	-4.26	-4.36		
233.5	-4.08	-4.17		

CABLE 288, 0-105.1 M
CABLE 289, 116.7-233.5 M

TEMPERATURE RESULTS ARE OBTAINED FROM A MULTITHERMISTOR CABLE. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

PAN OCEAN OILS LTD YUA-100
-WELL SPUDDED 80 7 21
-DRILLING FOR 3 DAYS
-TOTAL DEPTH 304 METRES
-DRILLING STOPPED 80 7 24
-WELL ABANDONED 80 7 24

WELL DIRECTIONALLY DRILLED. DEPTHS IN TABLES HAVE BEEN CONVERTED TO VERTICAL.

TEMPERATURES OBTENUES A PARTIR D'UN CABLE A THERMISTORS MULTIPLES. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

PAN OCEAN OILS LTD YUA-100
-DEMARRAGE DU PUITS LE 80 7 21
-FORAGE PENDANT 3 JOURS
-PROFONDEUR TOTALE 304 METRES
-FORAGE ARRETE LE 80 7 24
-ABANDON DU PUITS LE 80 7 24

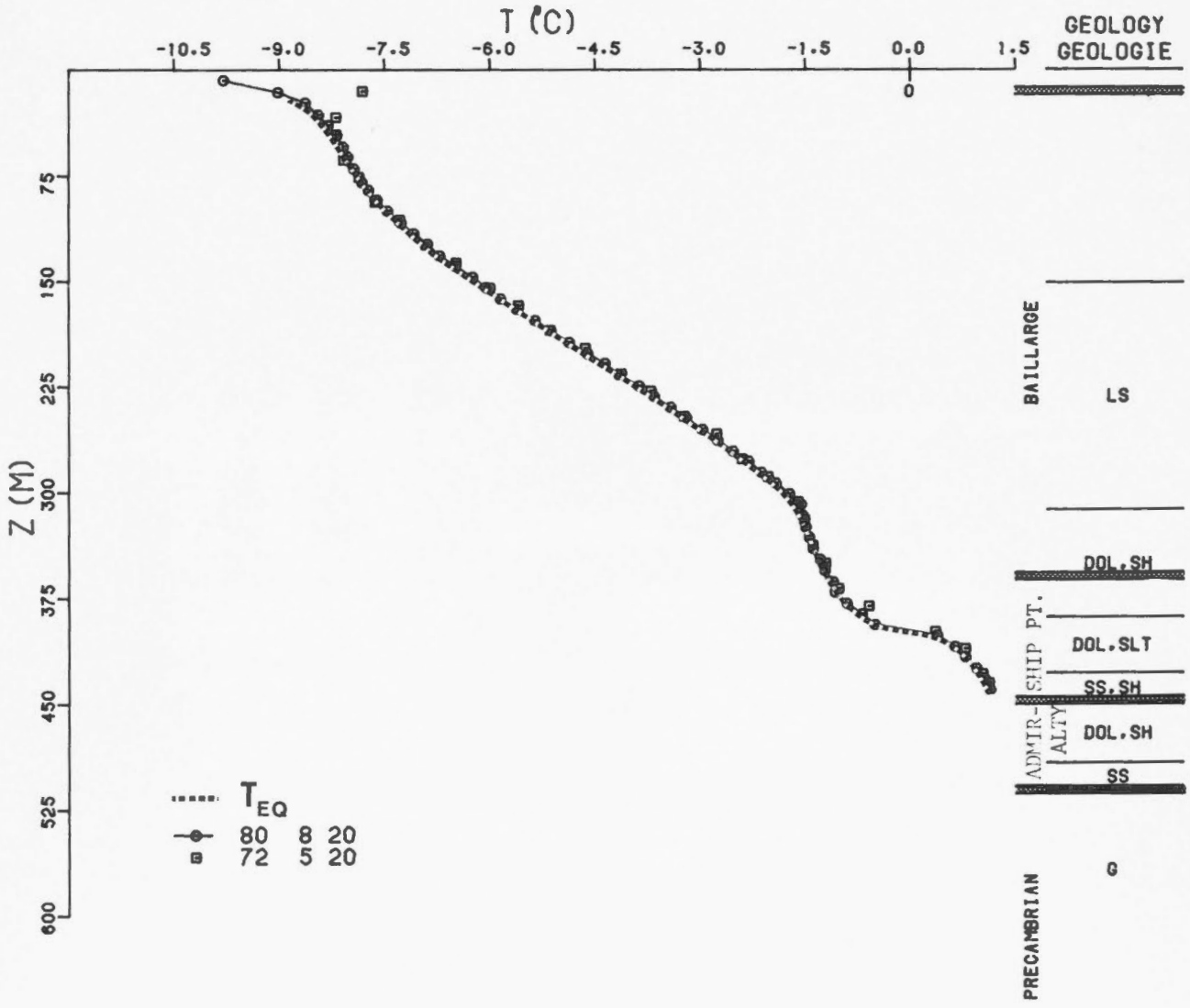
FORAGE OBLIQUE DU PUITS. PROFONDEURS INDIQUEES DANS LES TABLES ONT ETE RAMENEES A LA VERTICALE.

3.2 Graphs of Temperature versus Depth

3.2 Graphiques de la température en fonction de la profondeur

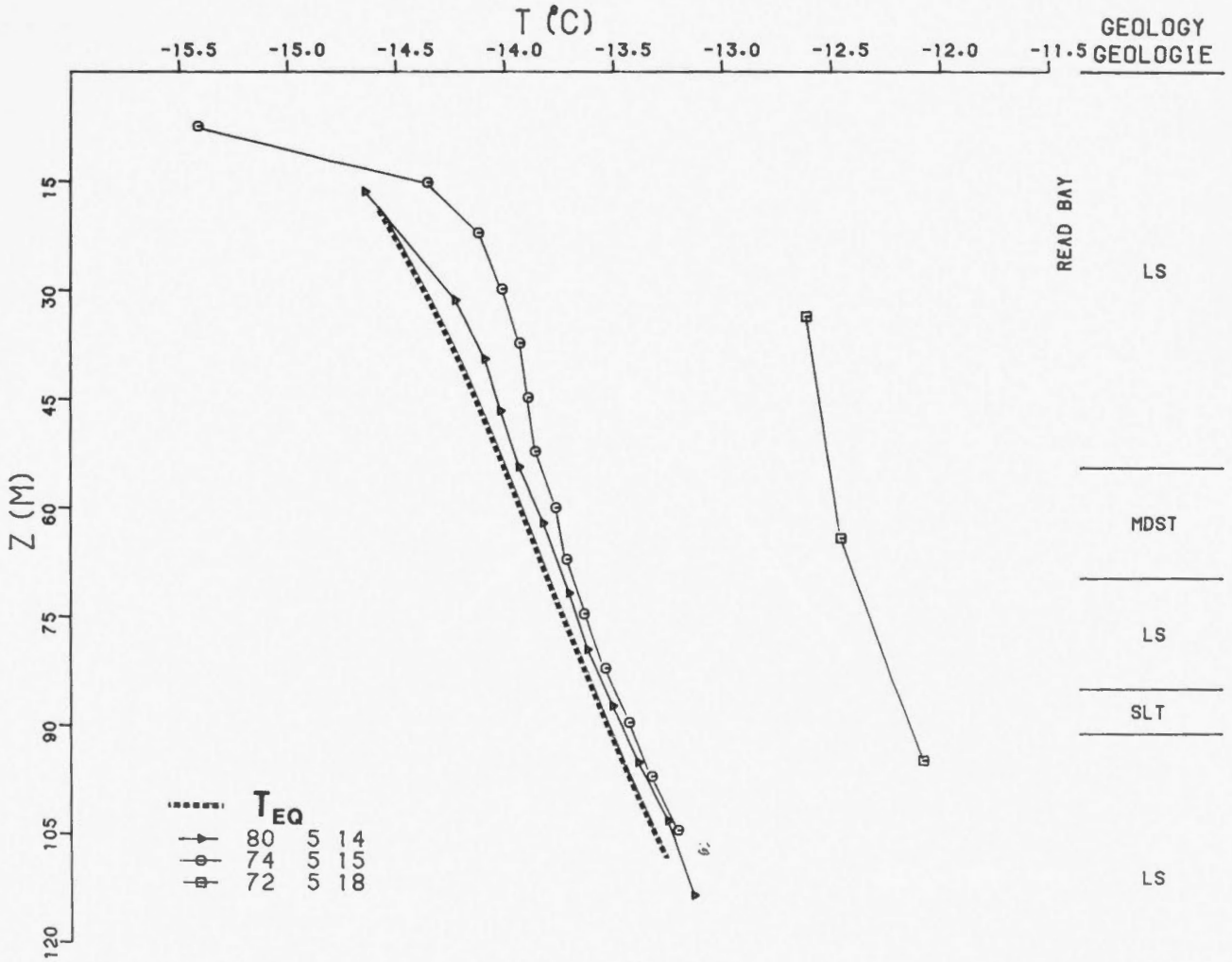
95 ROWLEY M-04

69° 4.0' N 79° 3.8' W/O



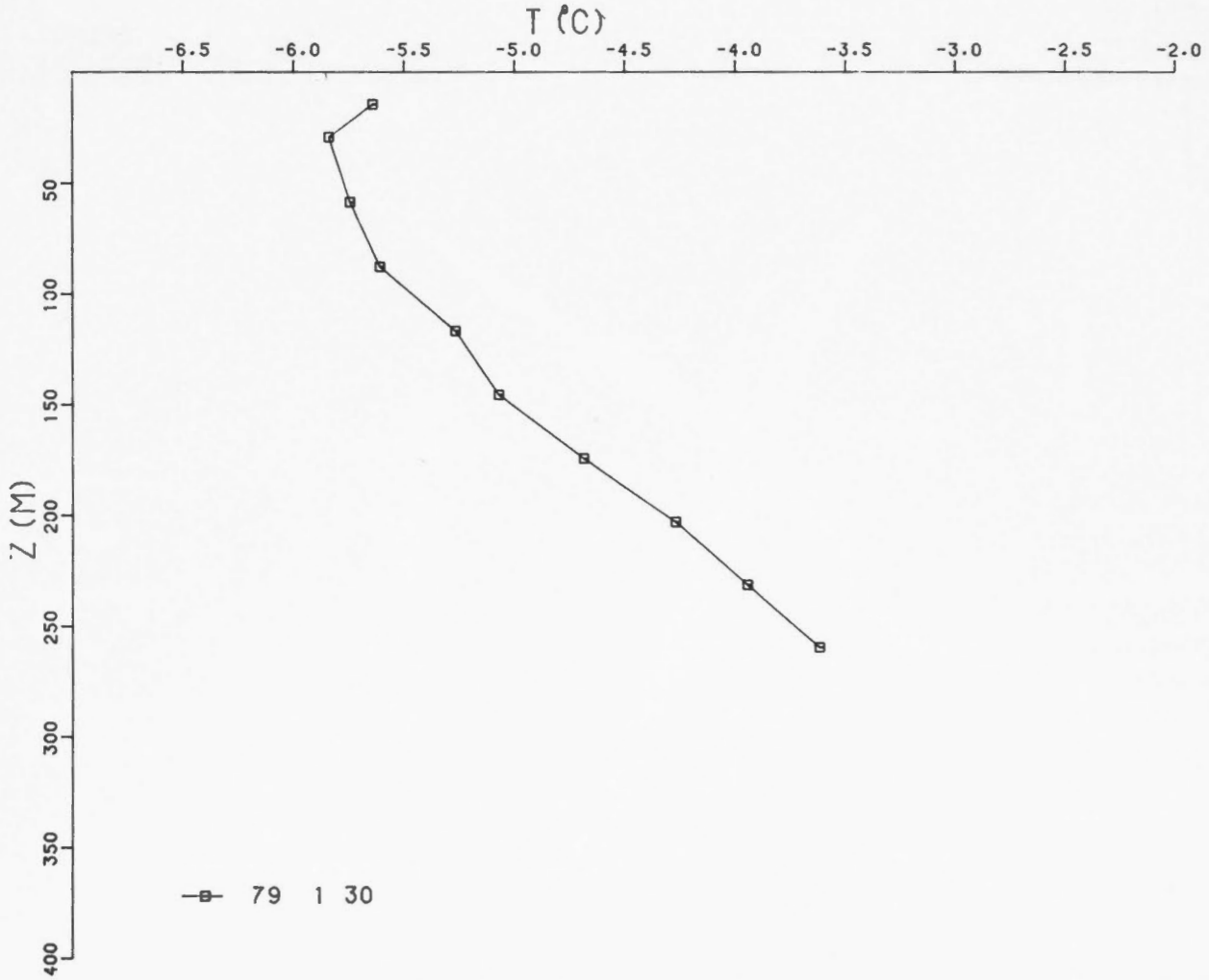
99 DEVON E-45

75° 4.3' N 91° 48.3' W/O



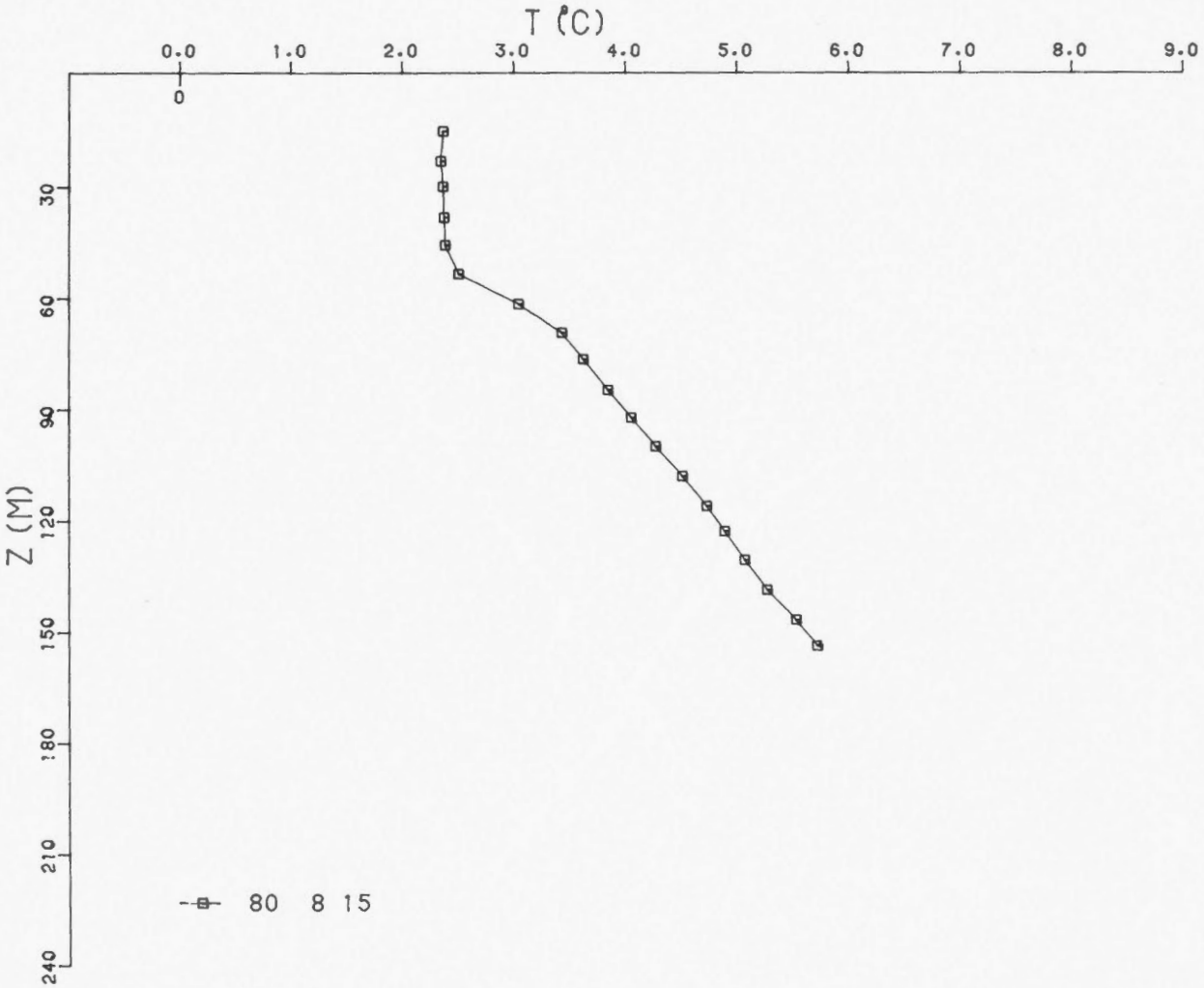
114 ASBESTOS HILL -8

61° 49.8' N 73° 57.1' W/O



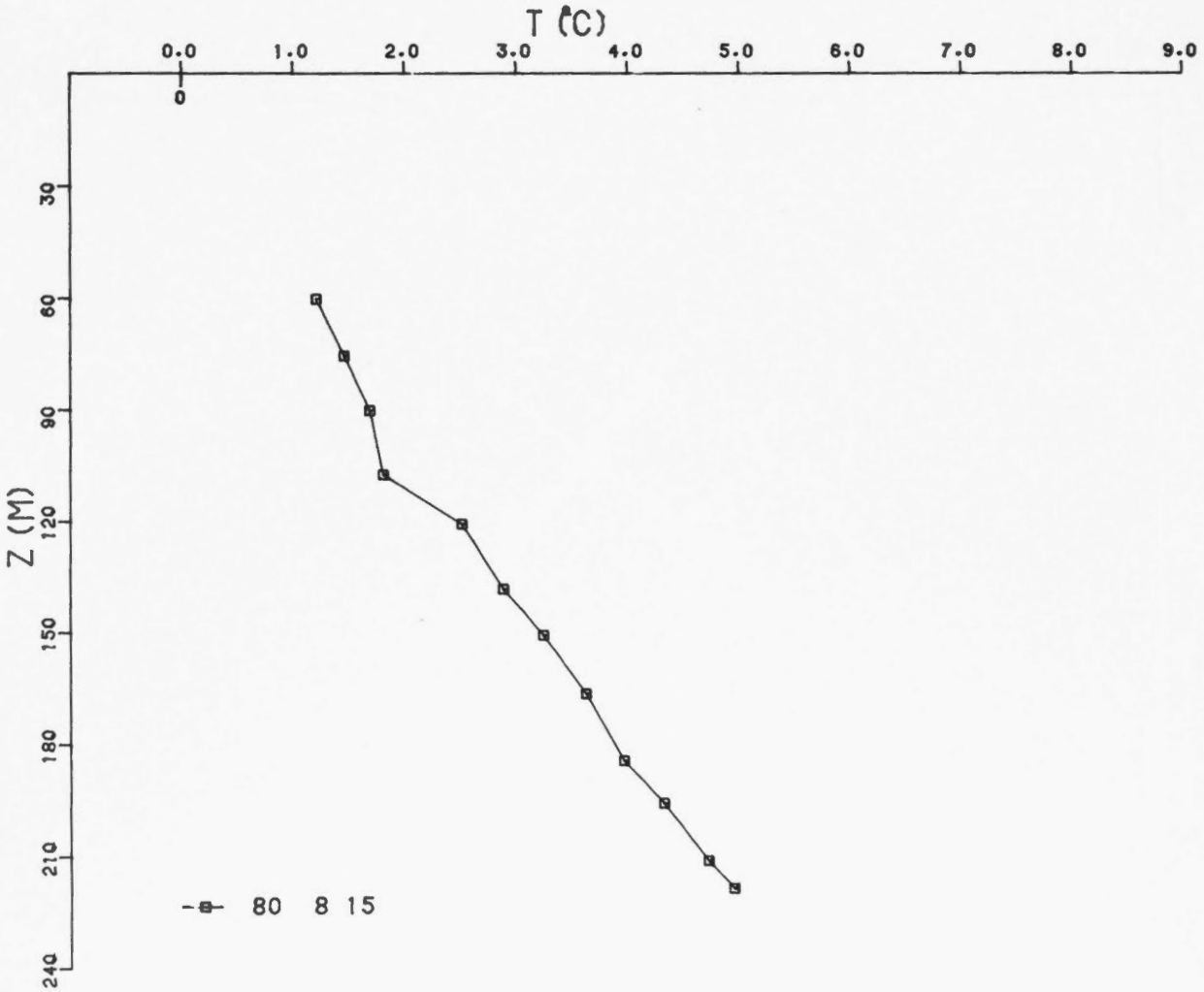
139 LOGTUNG -1

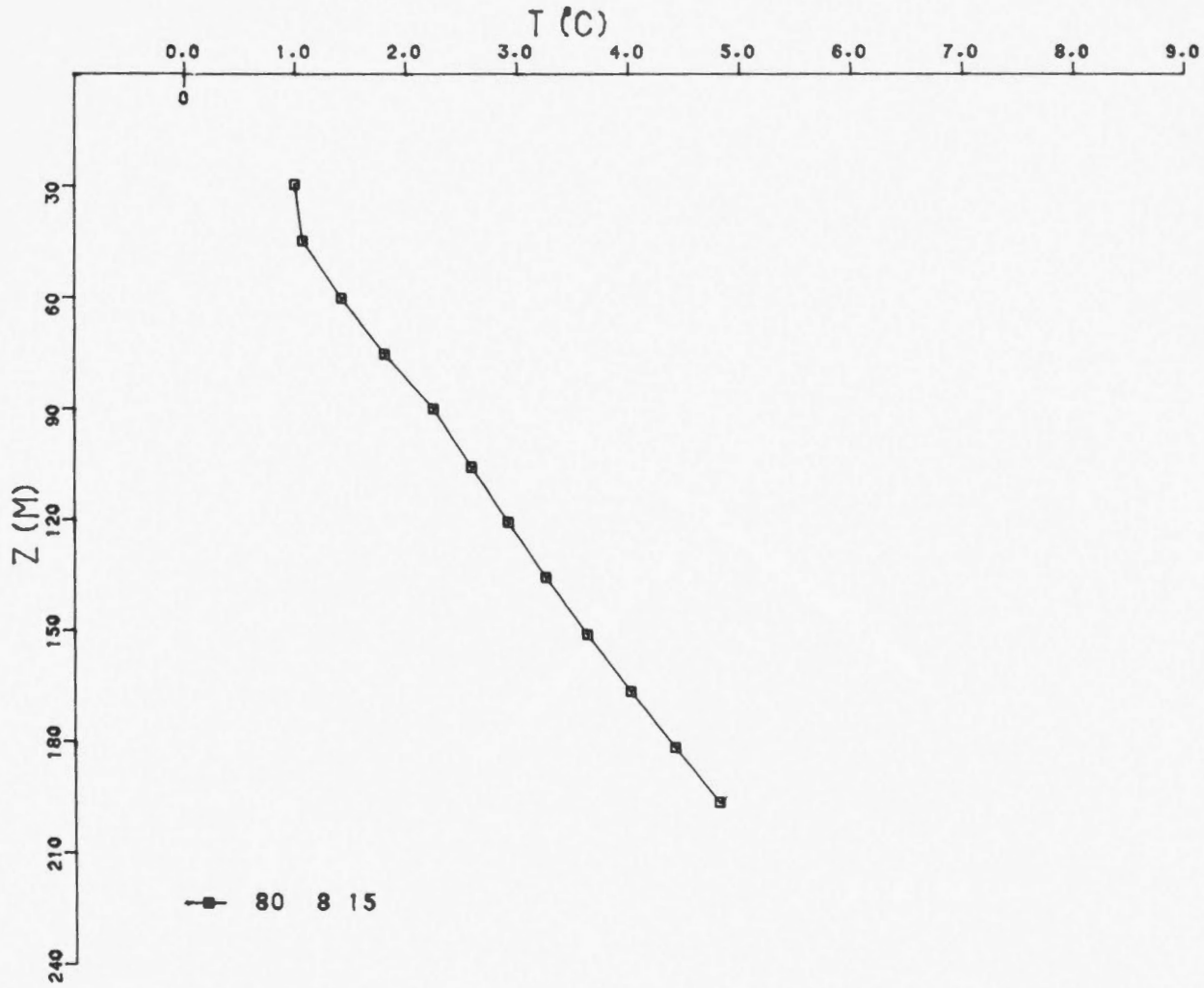
60° .5' N 131° 36.0' W/O



139 LOGTUNG -2

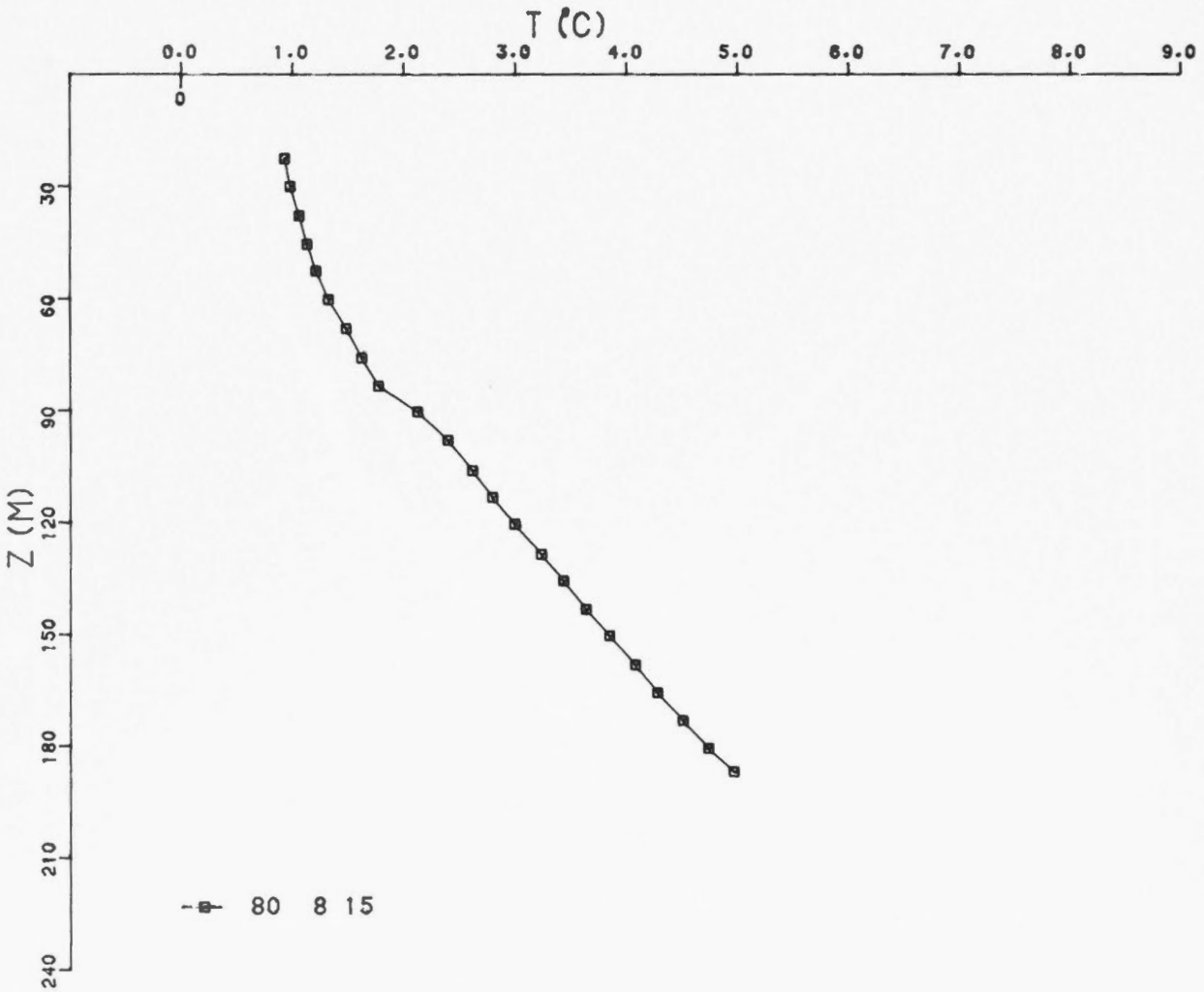
60° .5' N 131° 36.4' W/O




139 LOGIUNG -3
60° .6' N 131° 36.2' W/O
T (C)
0.0
1.0
2.0
3.0
4.0
5.0
6.0
7.0
8.0
9.0
0
Z (M)
30
60
90
120
150
180
210
240
80 8 15

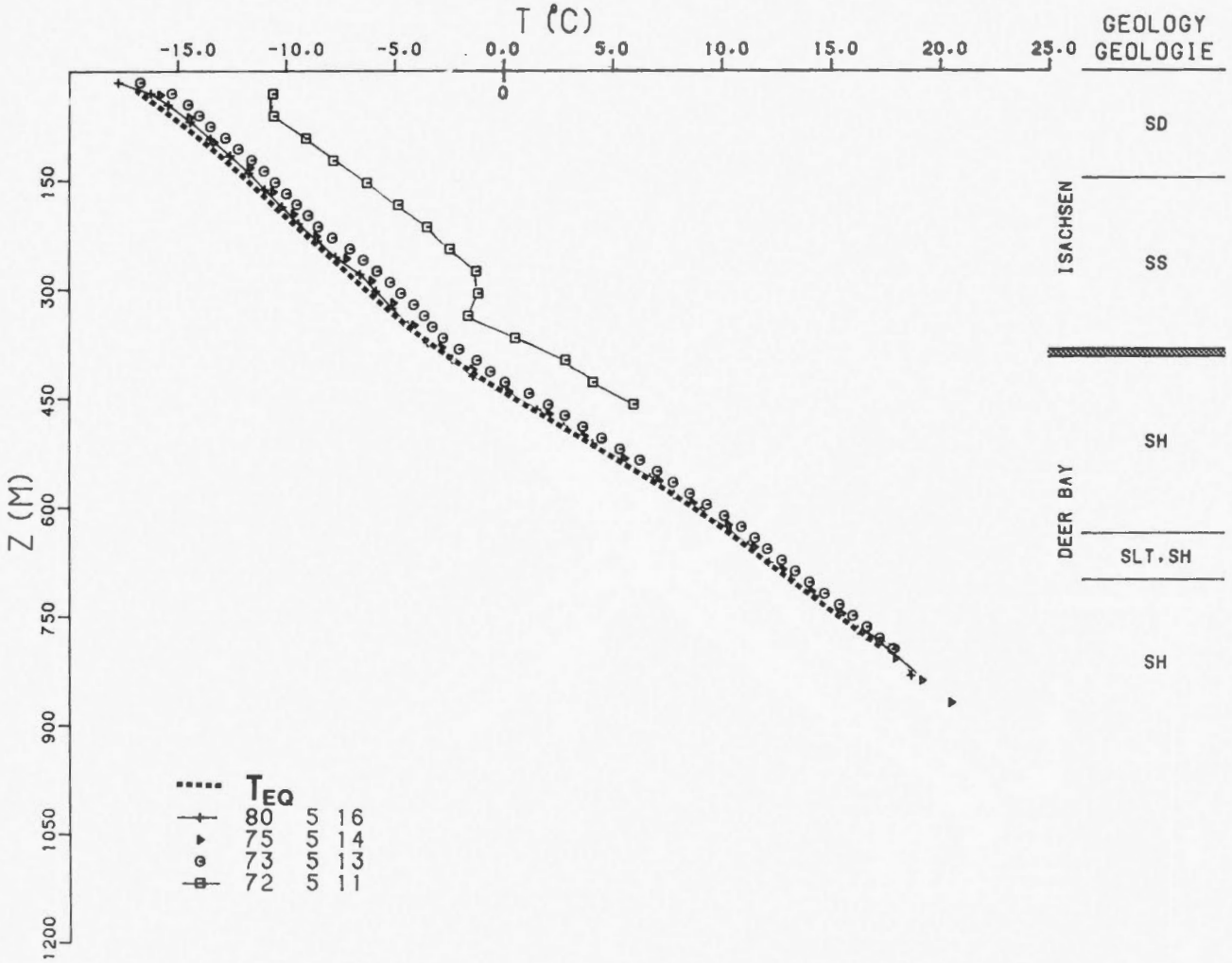
139 LOGTUNG -4

60° .7' N 131° 36.3' W/O



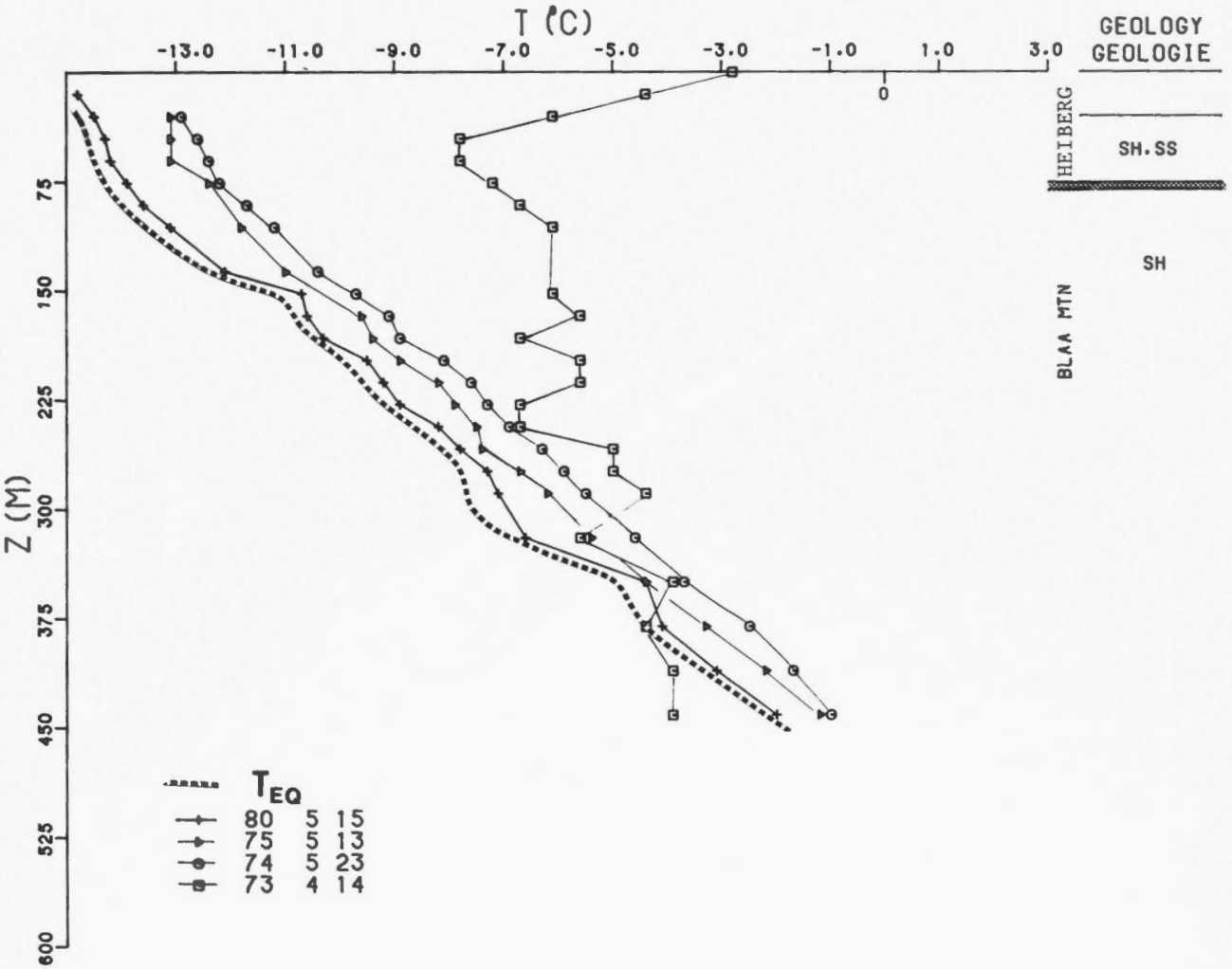
155 KRISTOFFER BAY B-06

78° 15.3' N 102° 32.0' W/O



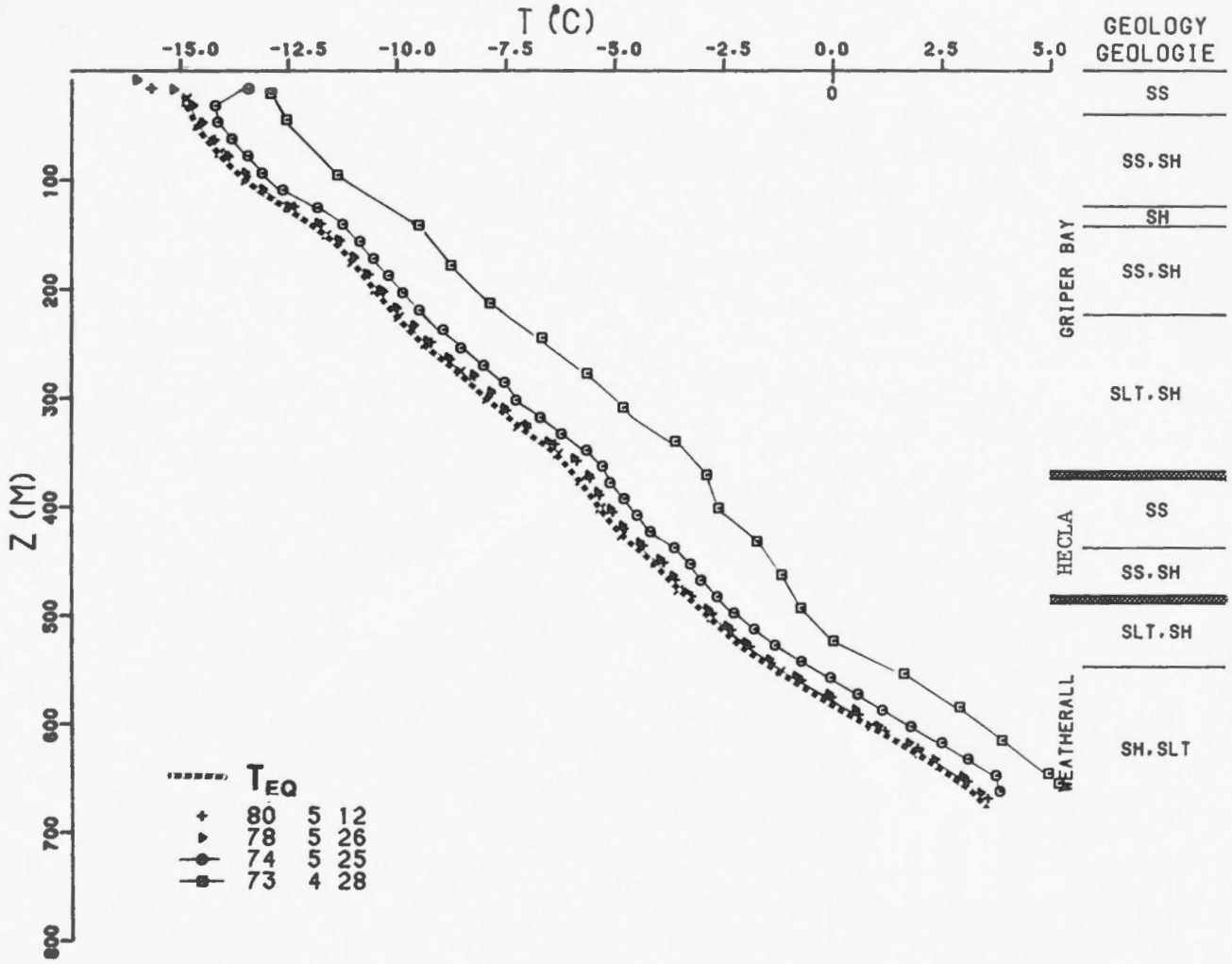
166 MOKKA A-02

79° 31.2' N 87° 1.2' W/O



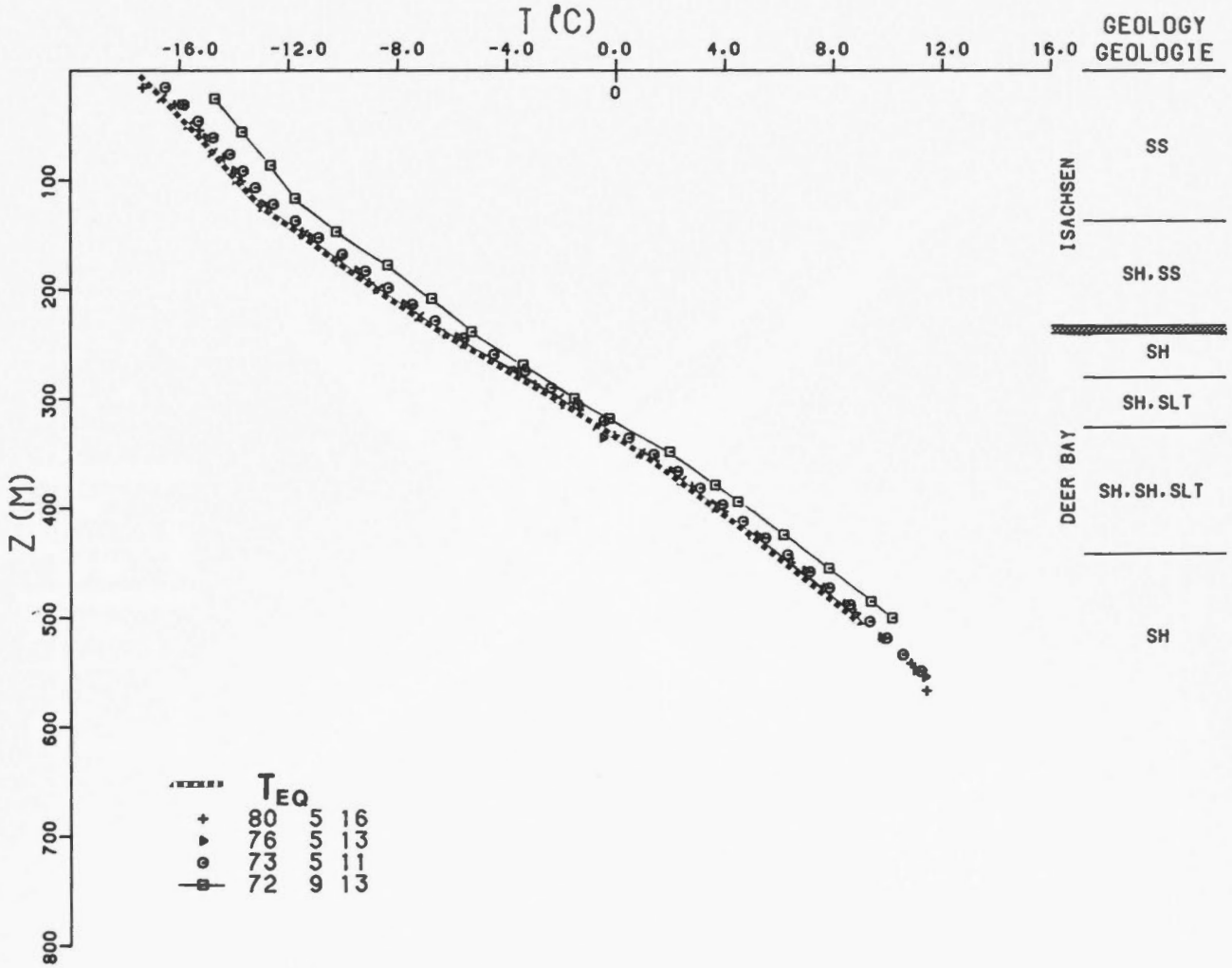
168 DUNDAS C-80

74° 39.0' N 113° 23.0' W/0



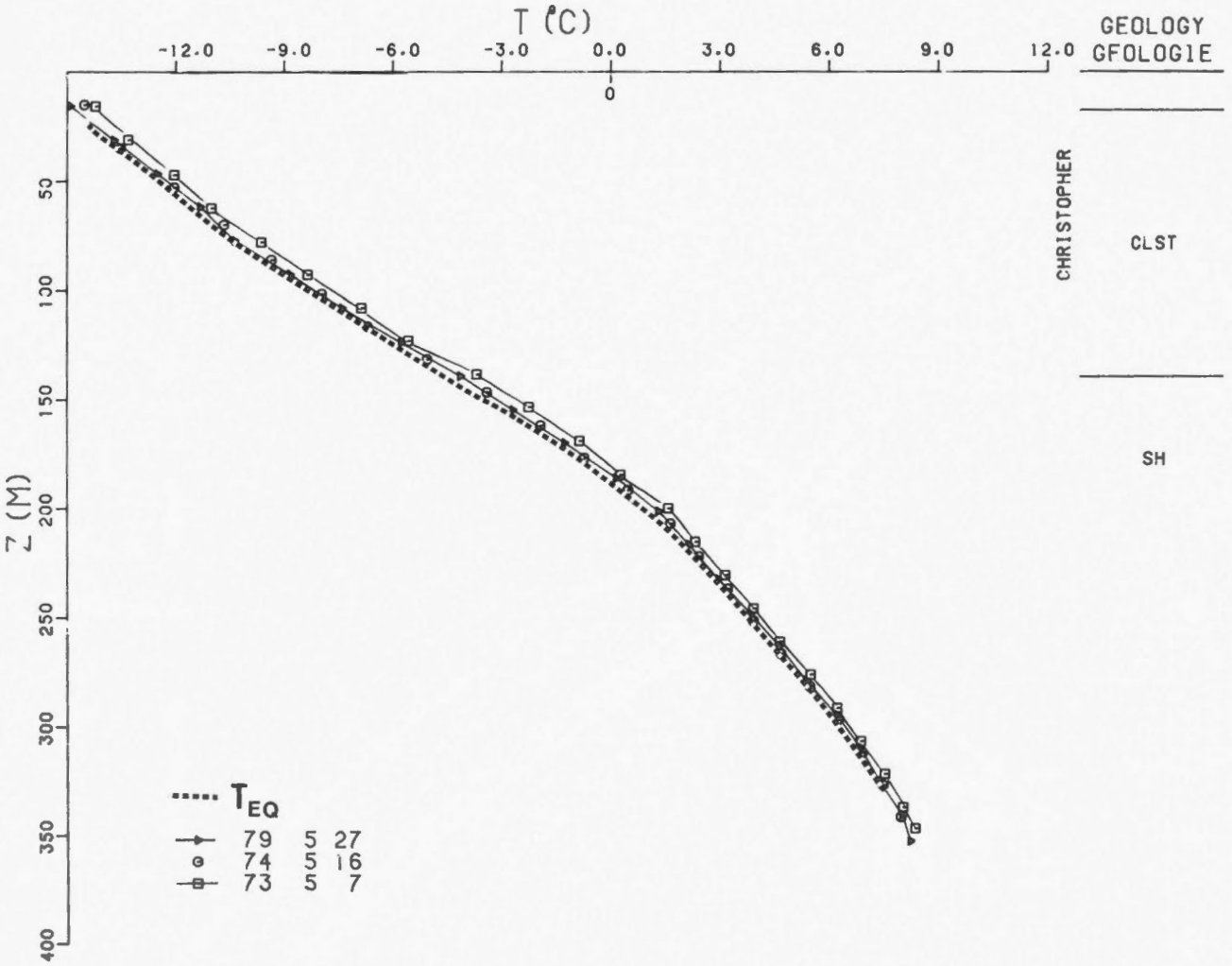
170 THOR P-38

78° 7.8' N 103° 15.2' W/O



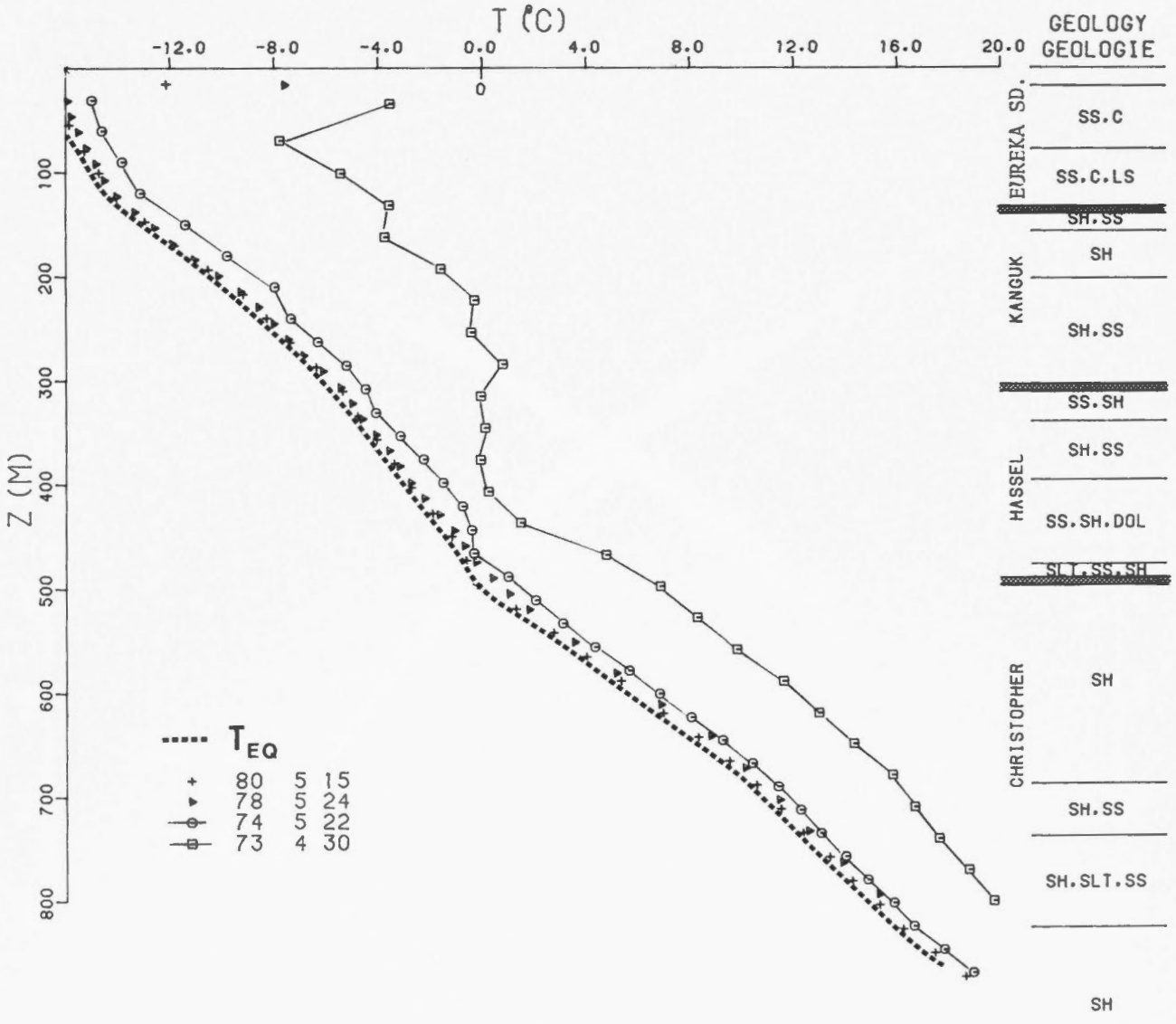
172 DRAKE B--44

76° 23.1' N 108° 16.1' W/O



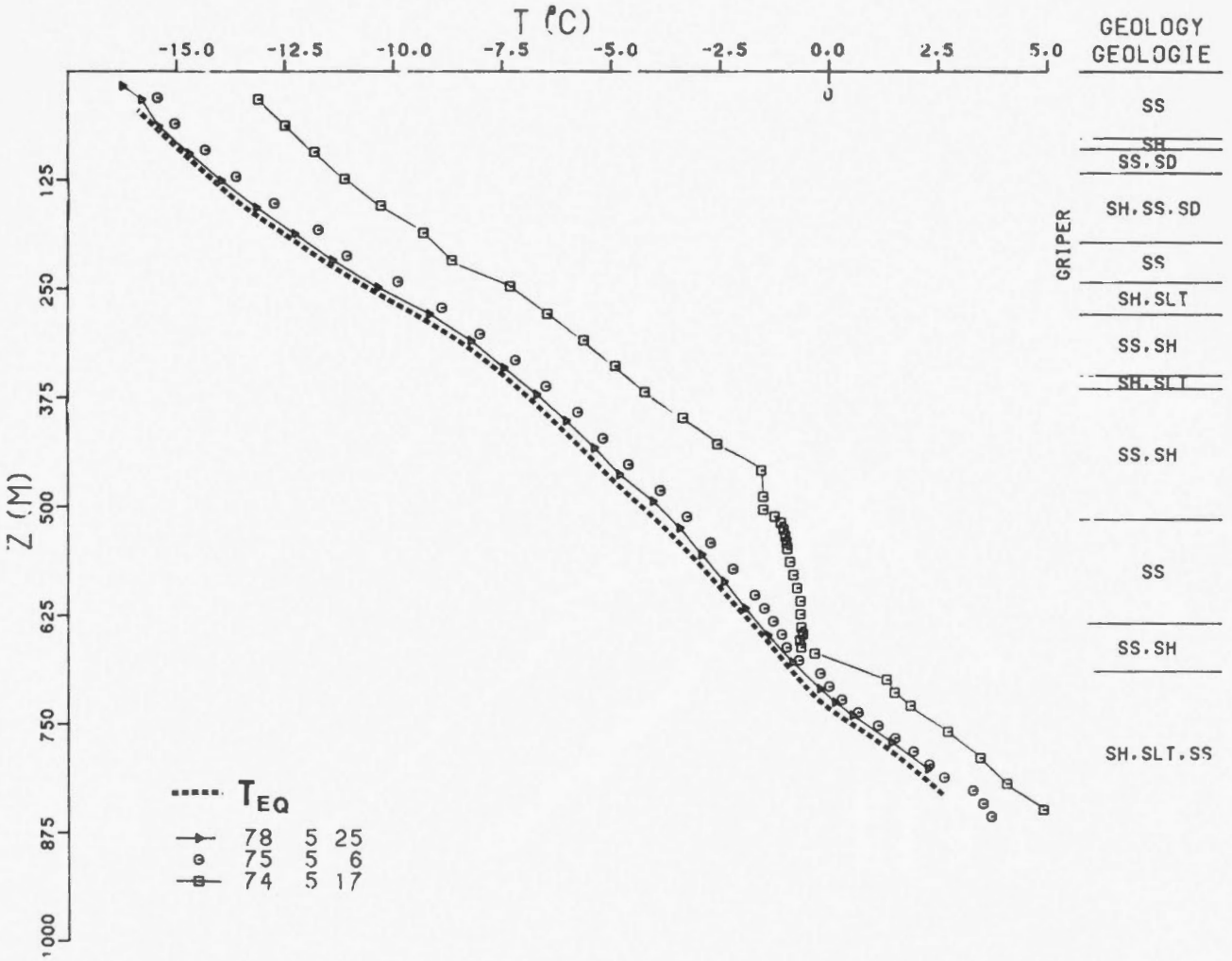
175 GEMINI E-10

79° 59.4' N 84° 4.2' W/D



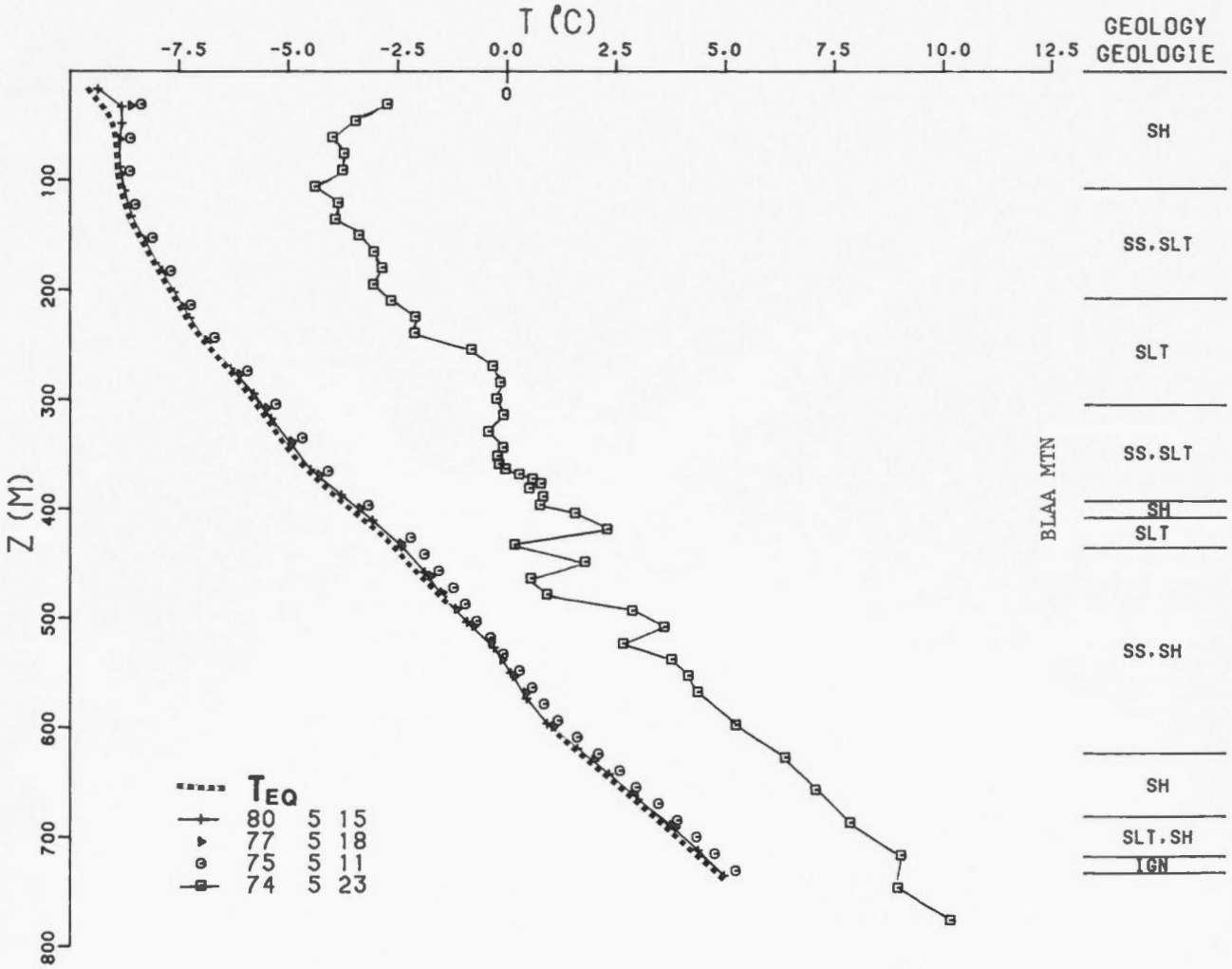
196 BENT HORN N-72

76° 21.8' N 103° 58.2' W/O



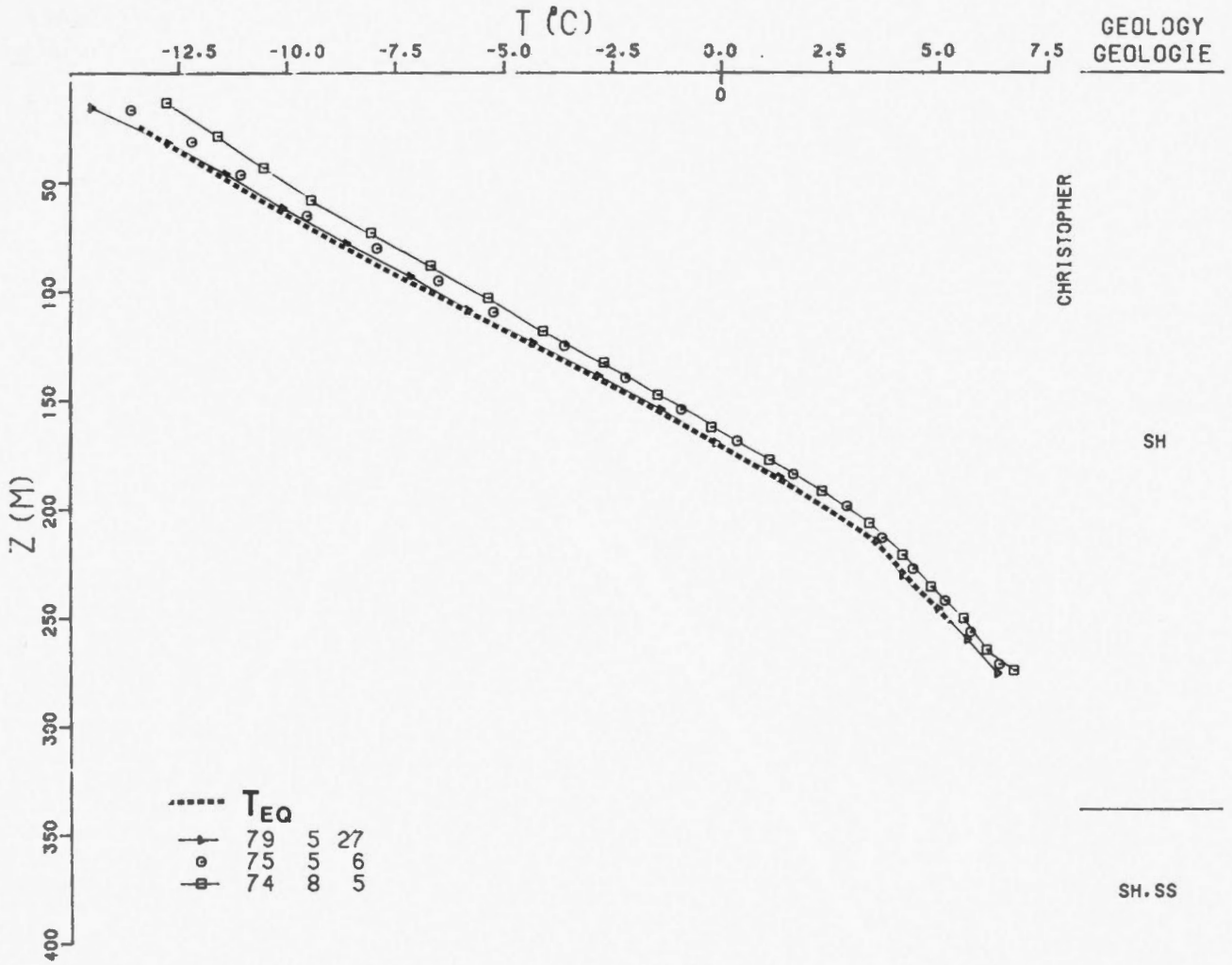
197 NEIL O-15

80° 44.6' N 83° 4.8' W/O



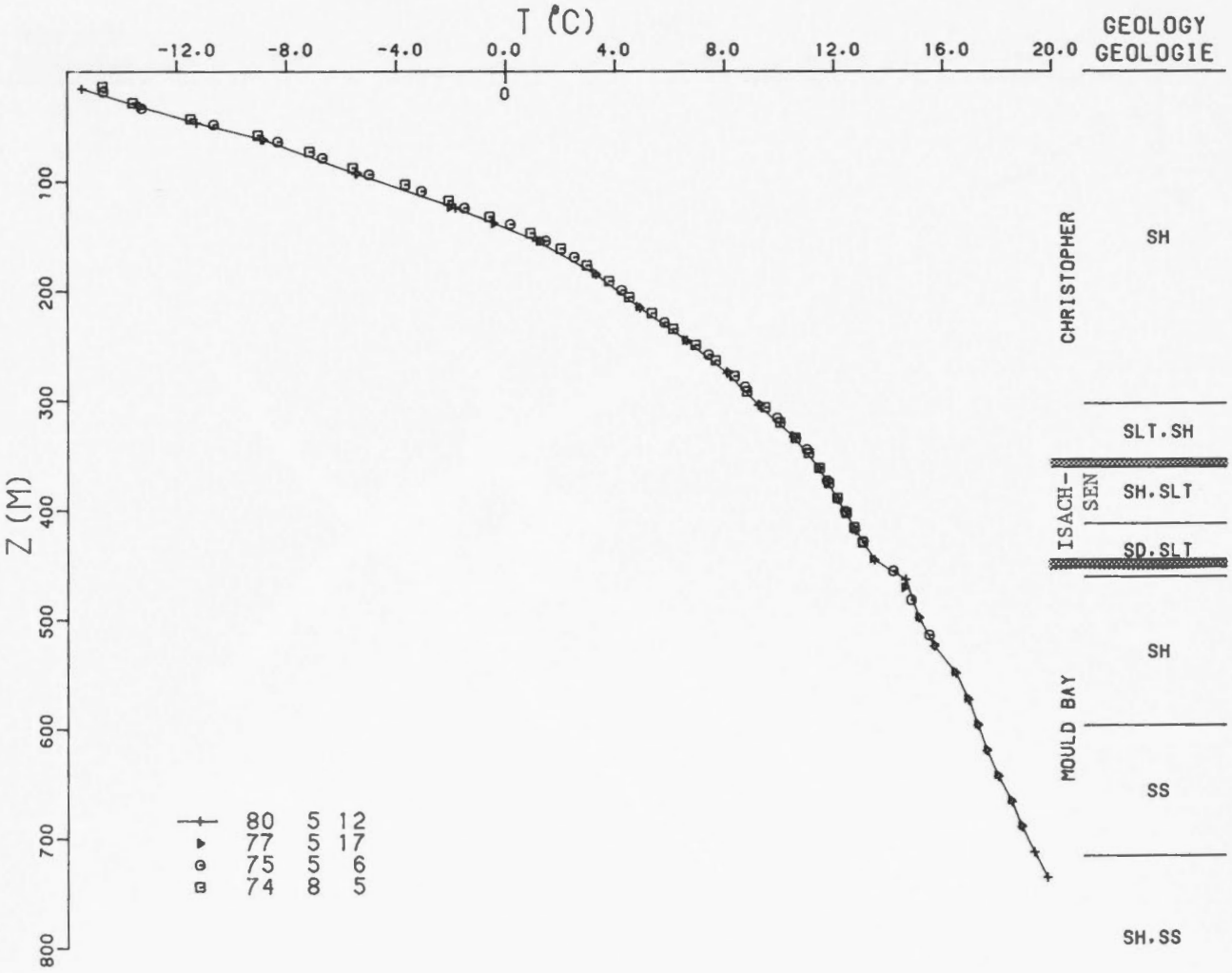
199 DRAKE E-78

76° 27.3' N 108° 29.4' W/O



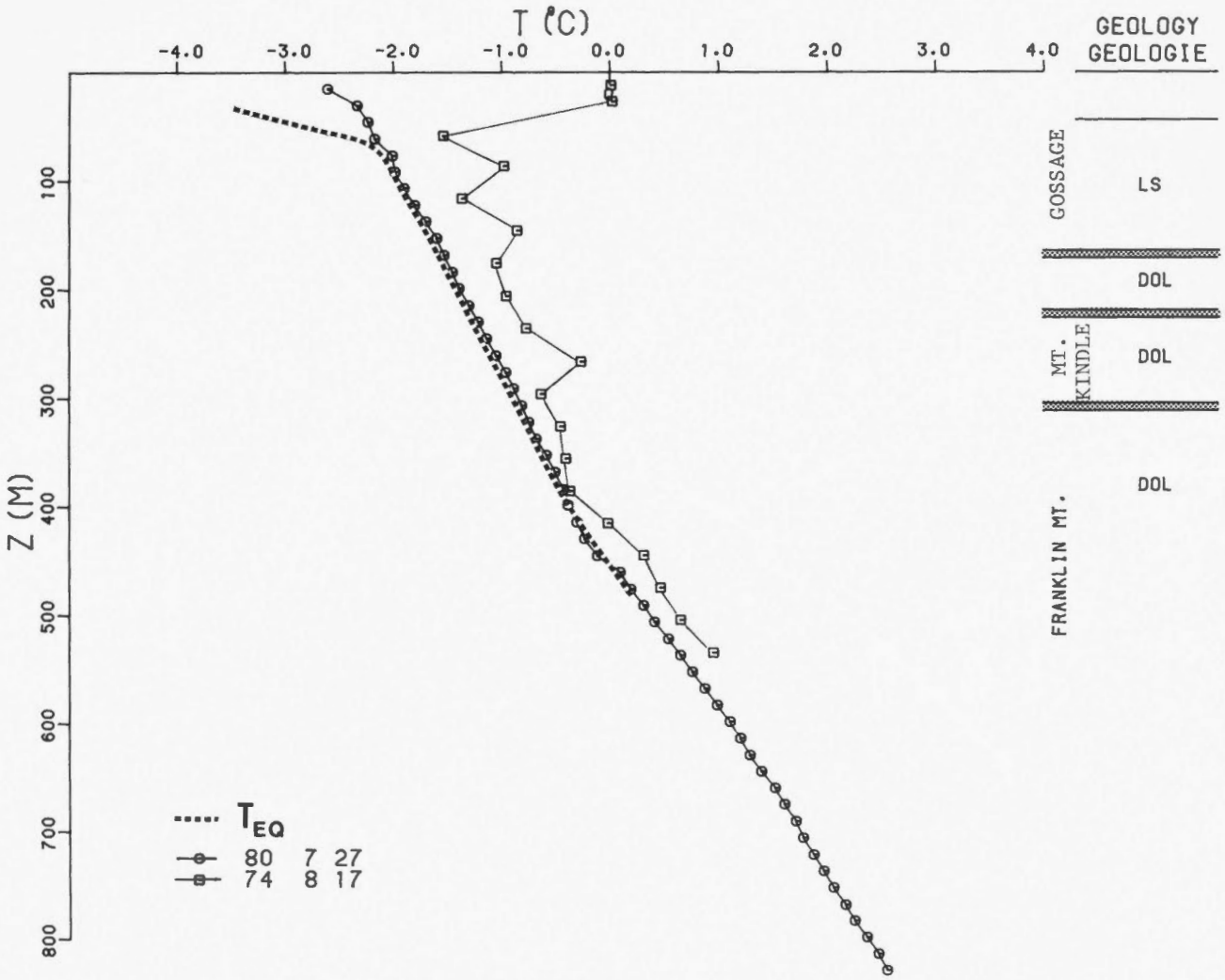
200 HECLA I-69

76° 18.7' N 110° 23.3' W/O



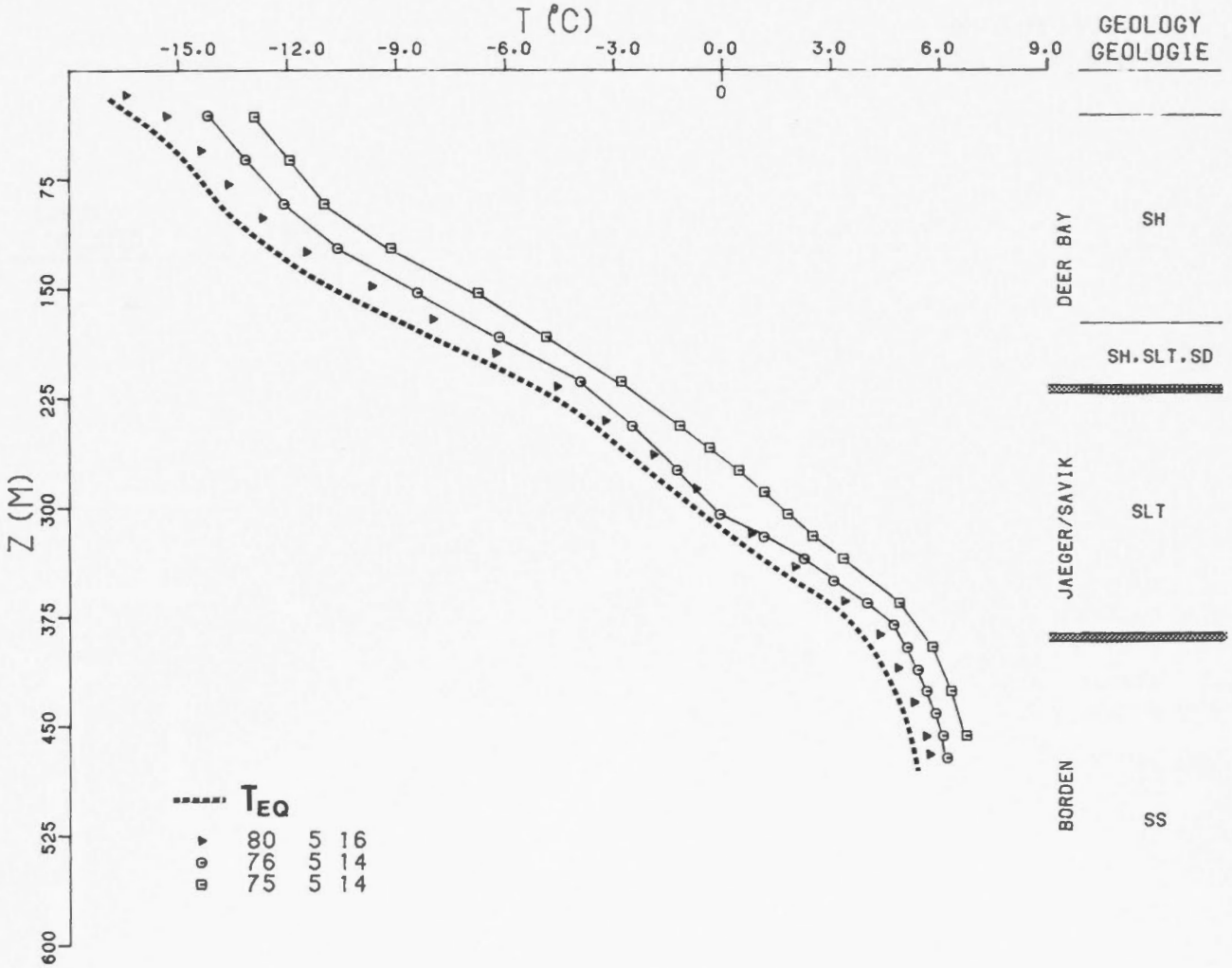
253 TEDJI LAKE K-24

67° 43.6' N 126° 49.9' W/O



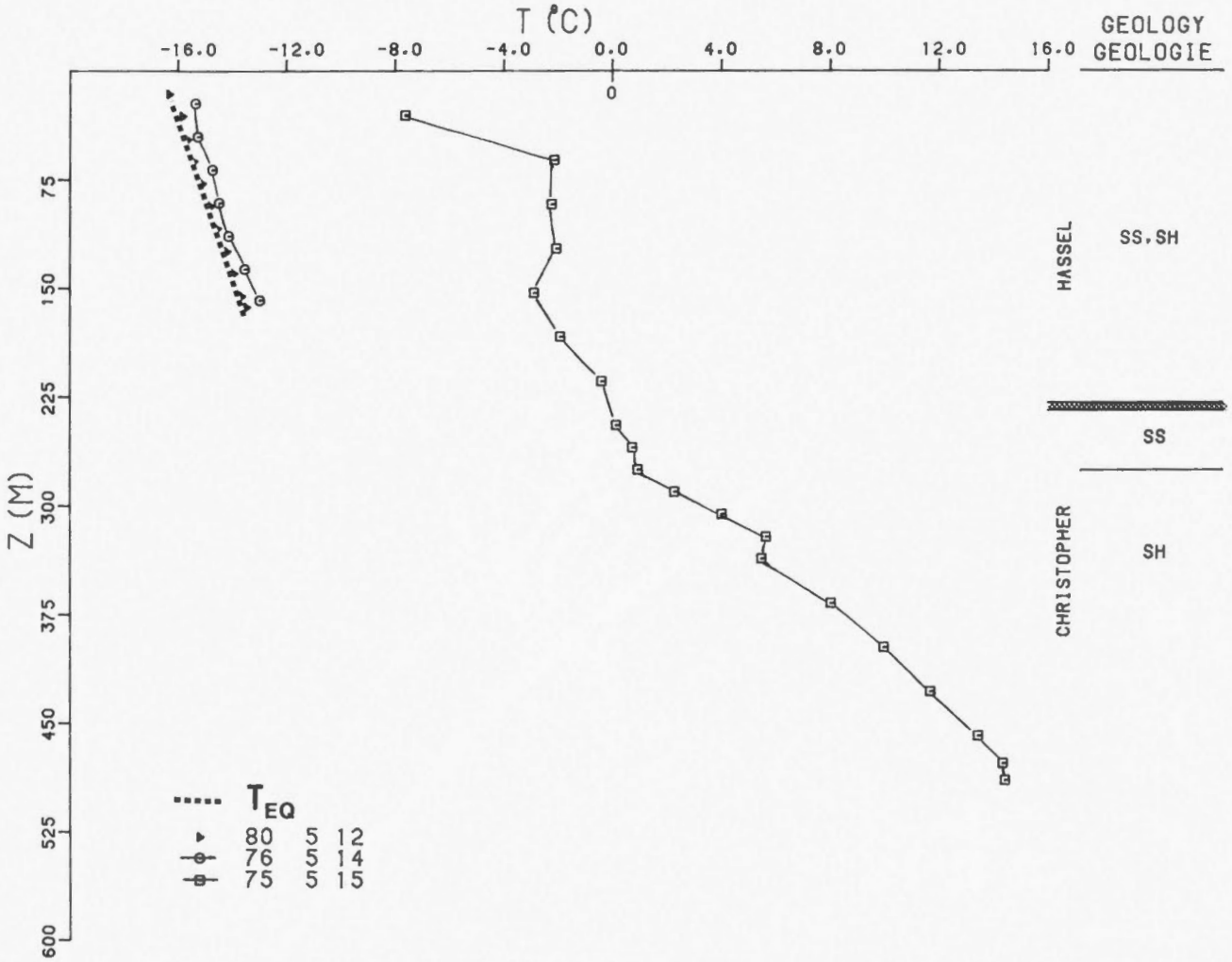
256 SUTHERLAND O-23

77° 42.9' N 102° 8.5' W/O



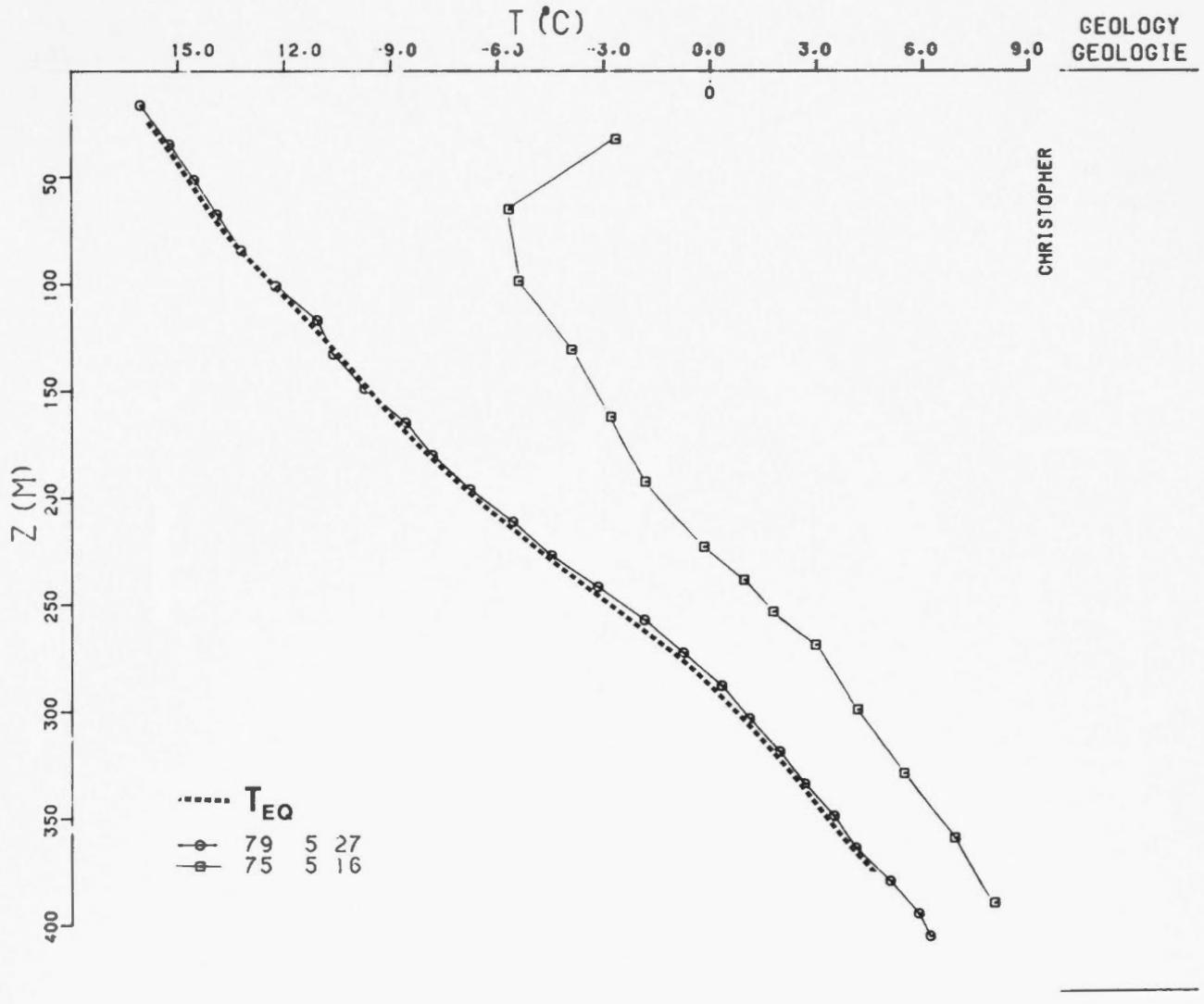
258 PAT BAY A-72

77° 21.0' N 105° 27.0' W/O



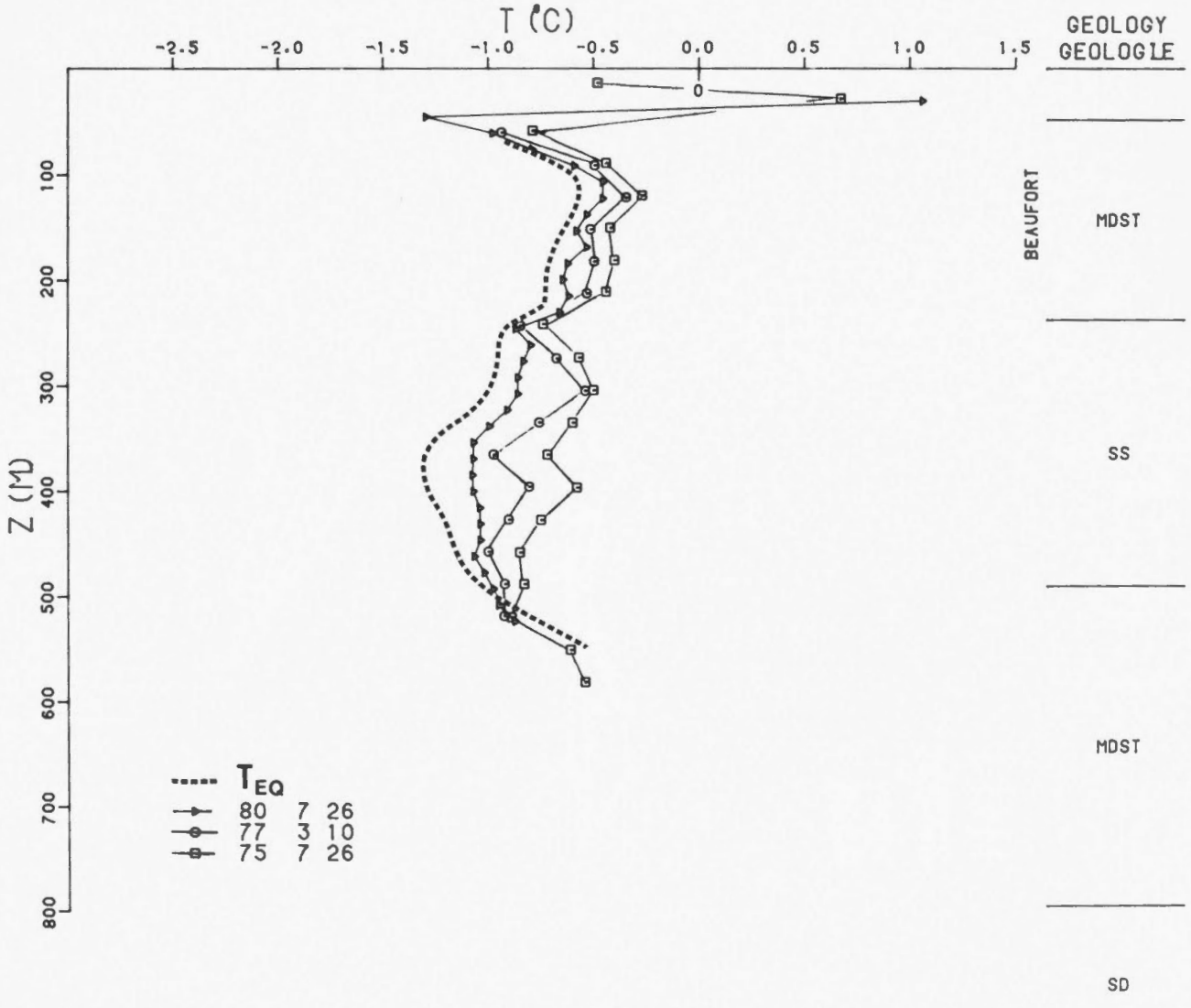
259 DRAKE D-73

76° 22.1' N 108° 29.5' W/O



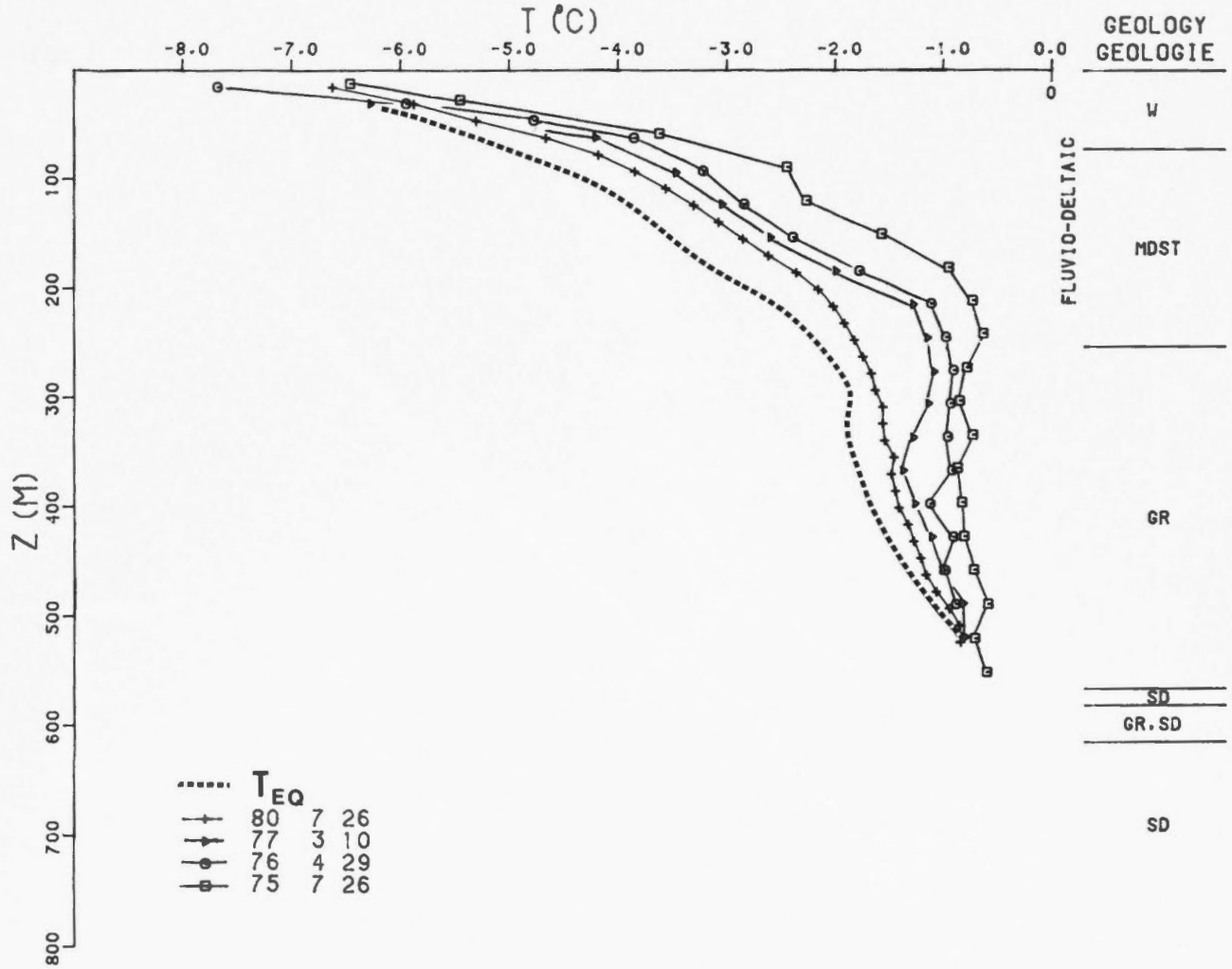
267 TAGLU C-42

69° 21.0' N 134° 56.6' W/O



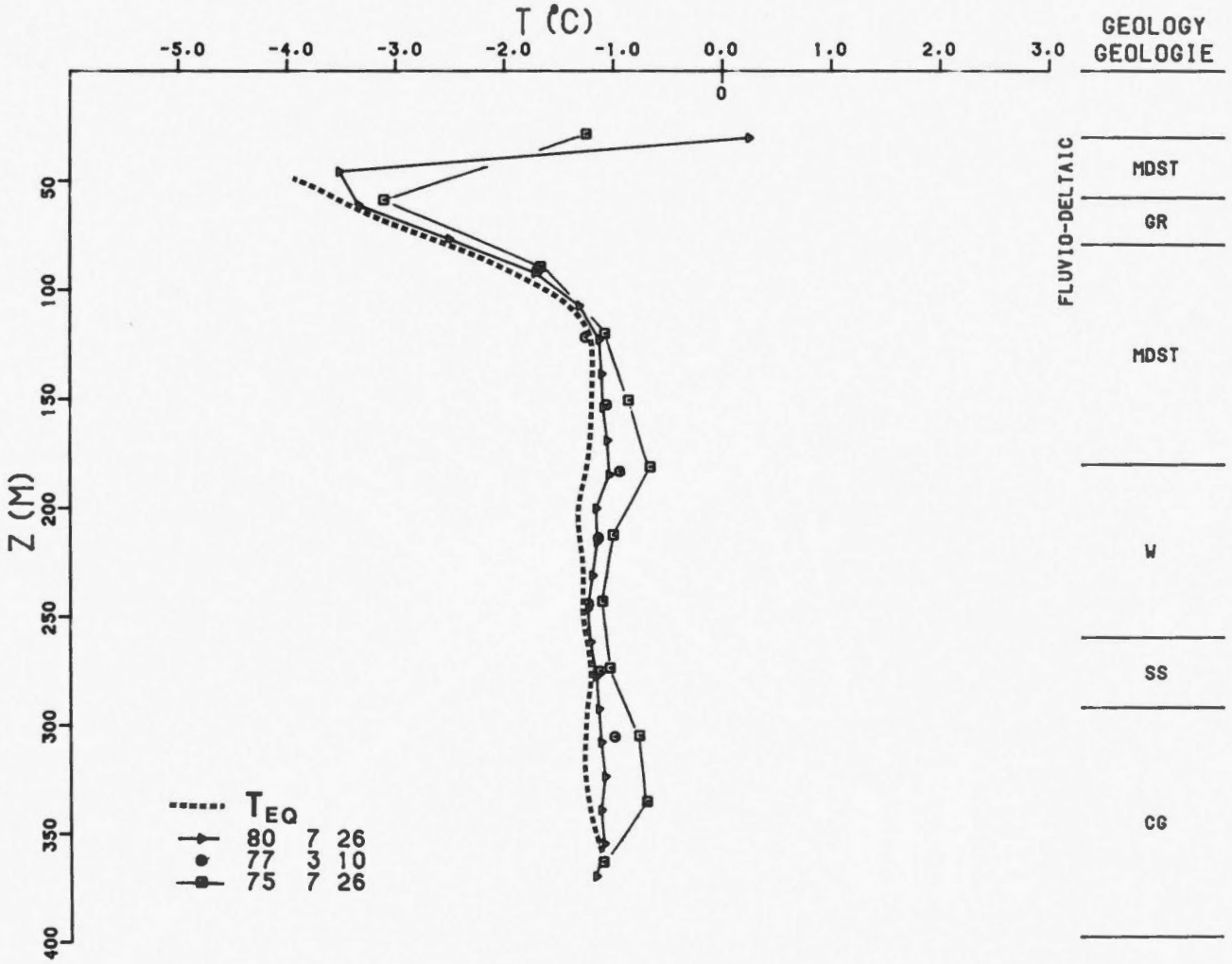
268 TAGLU D-43

69° 22.3' N 134° 56.8' W/O



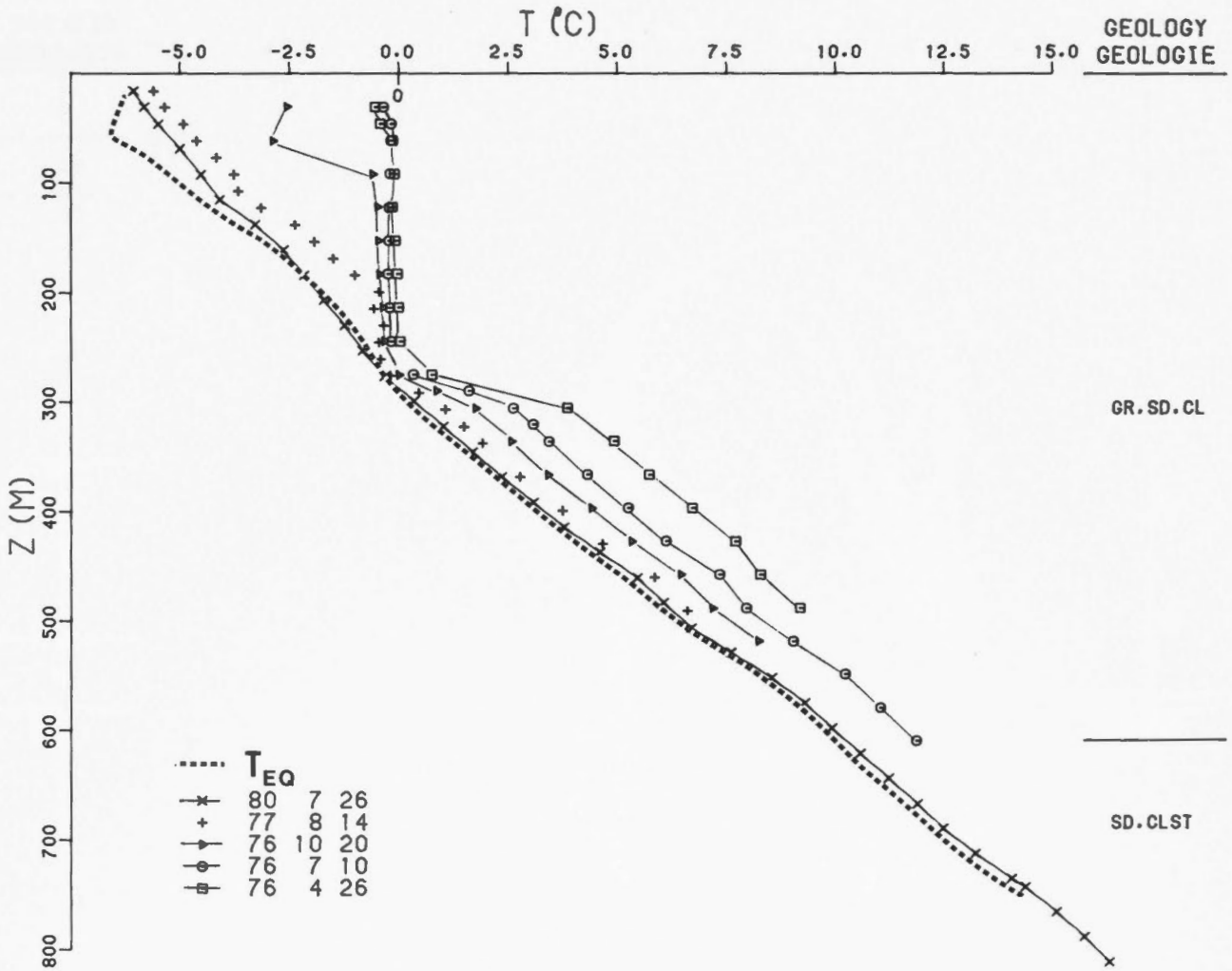
269 TAGLU D-55

69° 24.2' N 134° 59.6' W/O



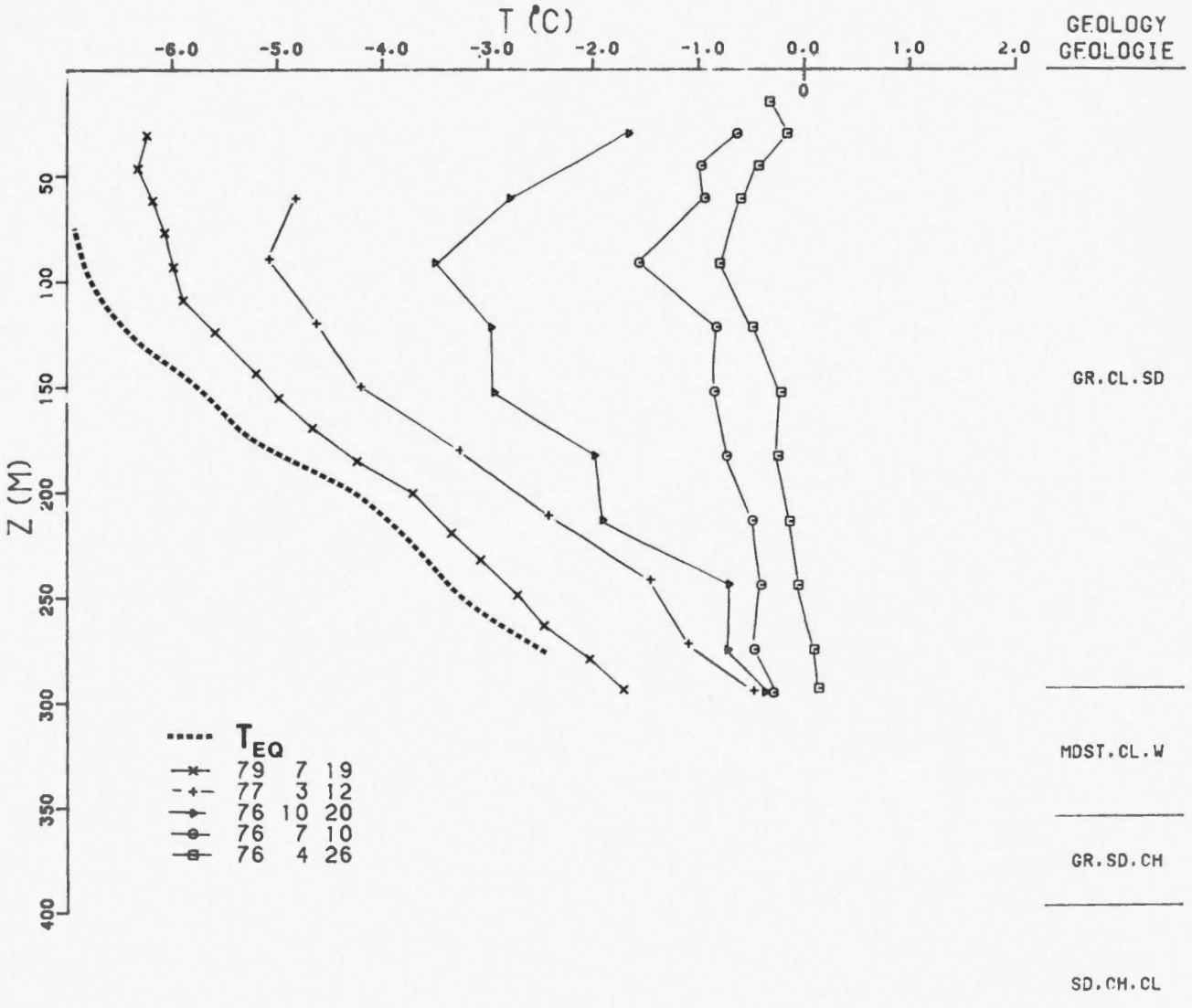
272 PARSONS L-43

68° 52.6' N 133° 41.9' W/O



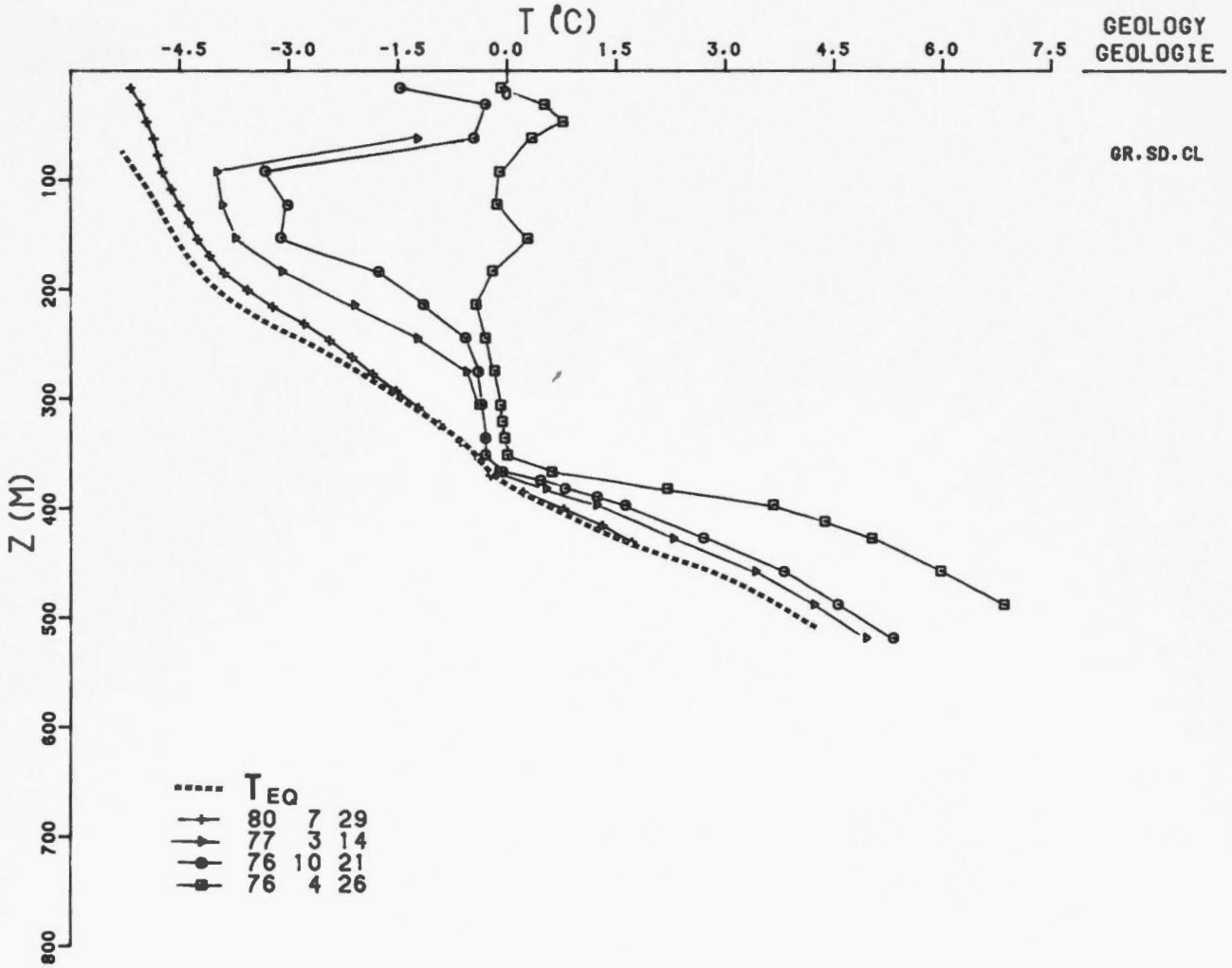
273 KAMIK D-48

68° 57.2' N 135° 27.5' W/O



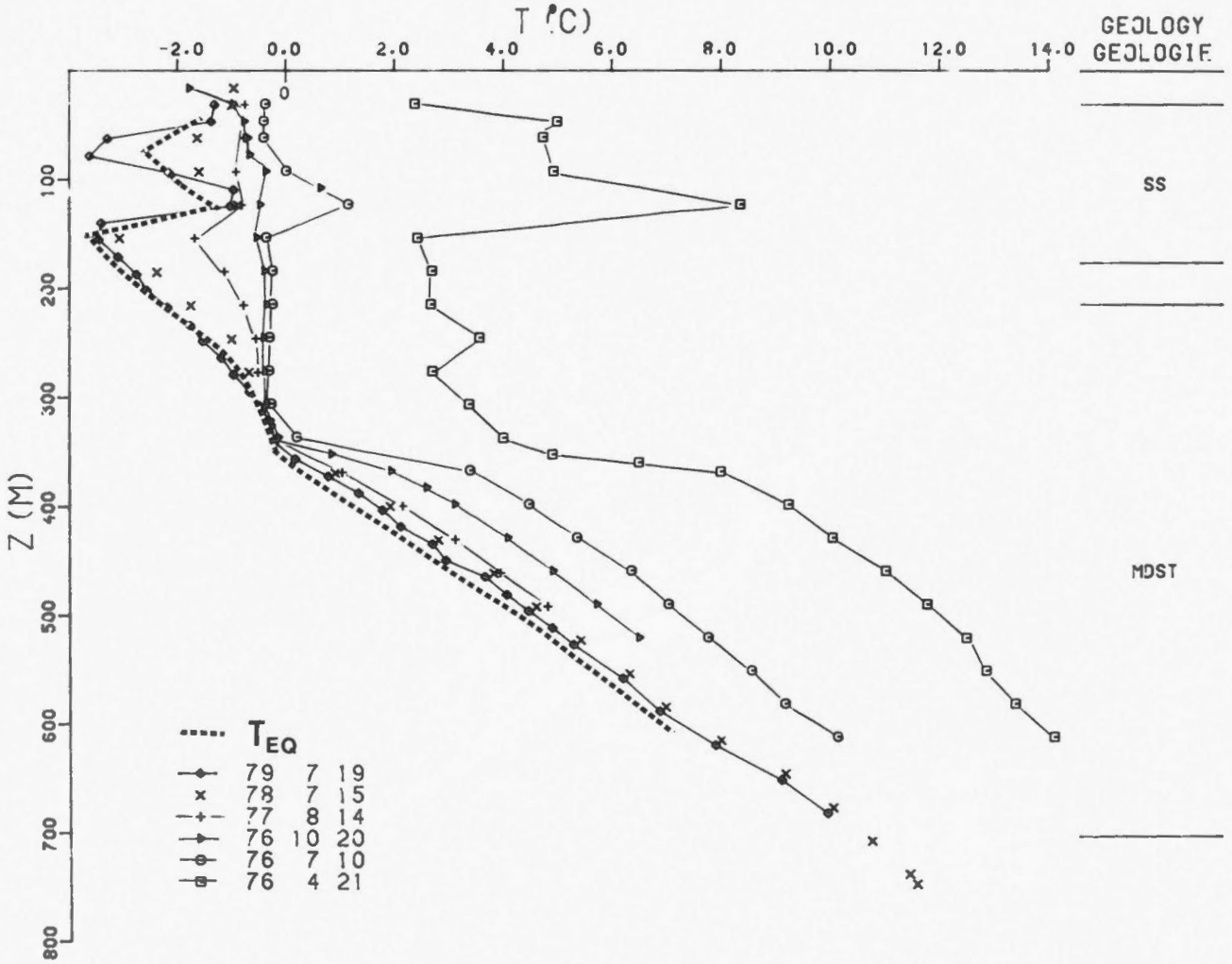
274 SIKU C-11

69° 0.0' N 133° 33.8' W/O



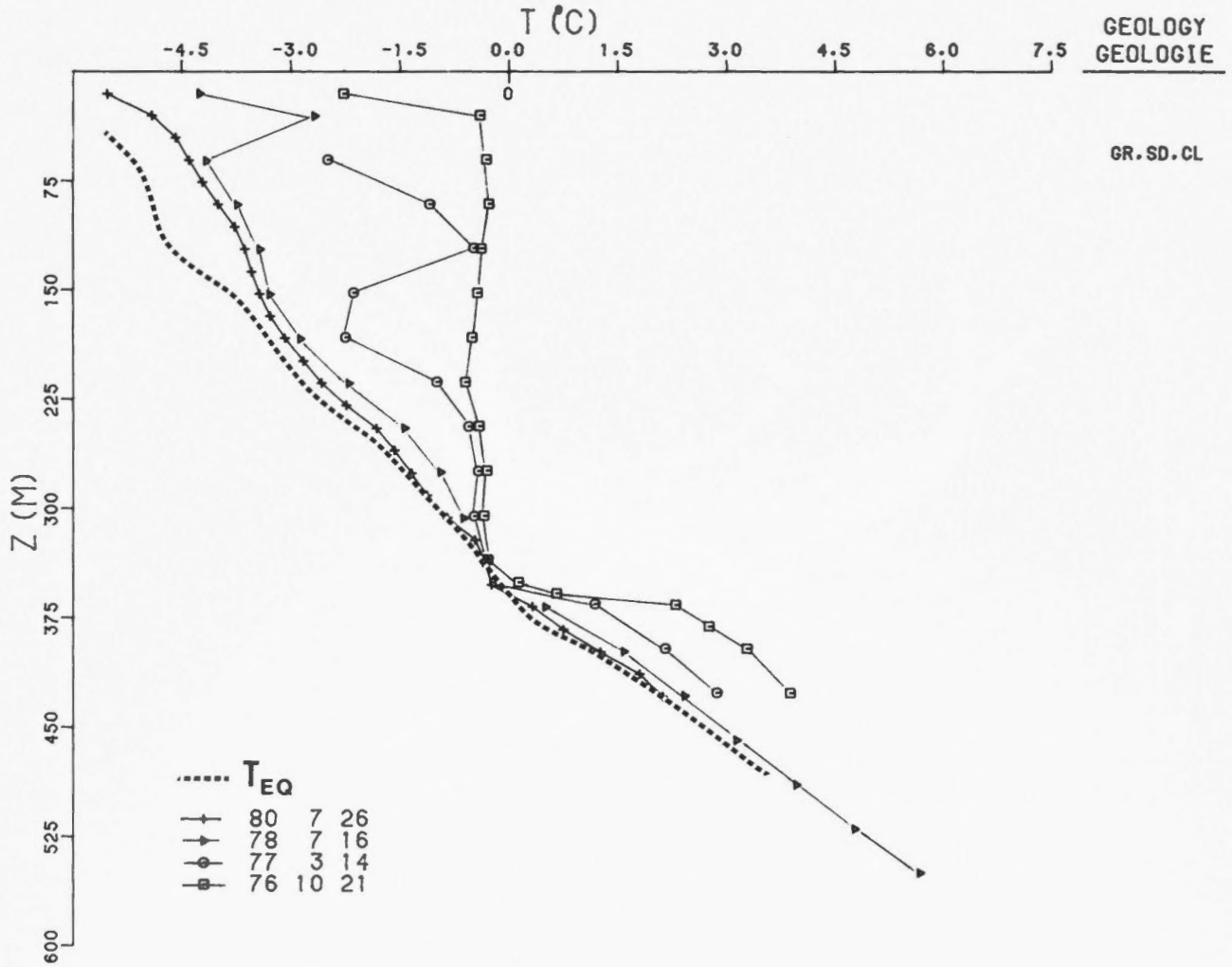
275 PARSONS N-17

68° 56.9' N 133° 34.0' W/O



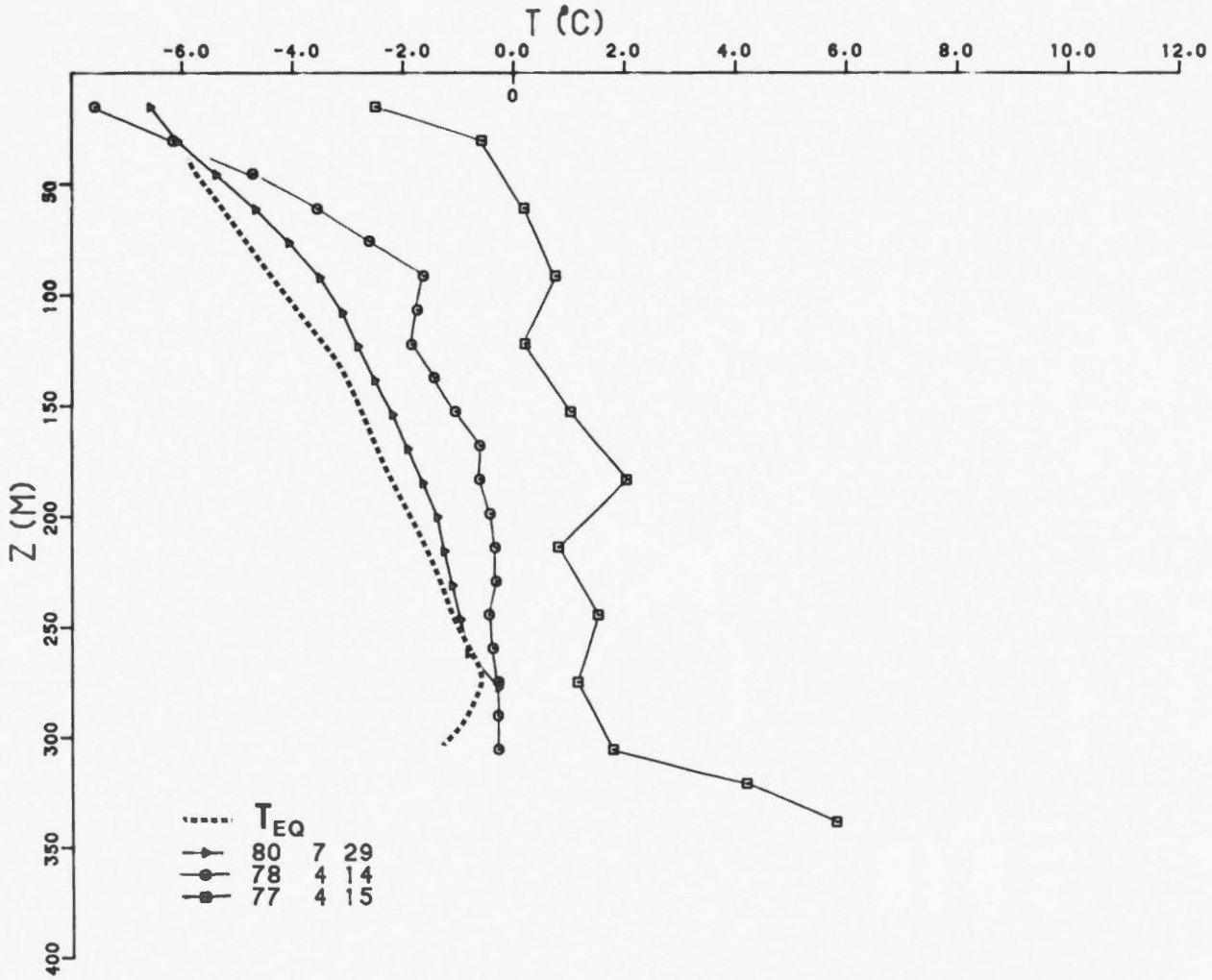
277 SIKU A-12

69° 1.0' N 133° 32.5' W/O



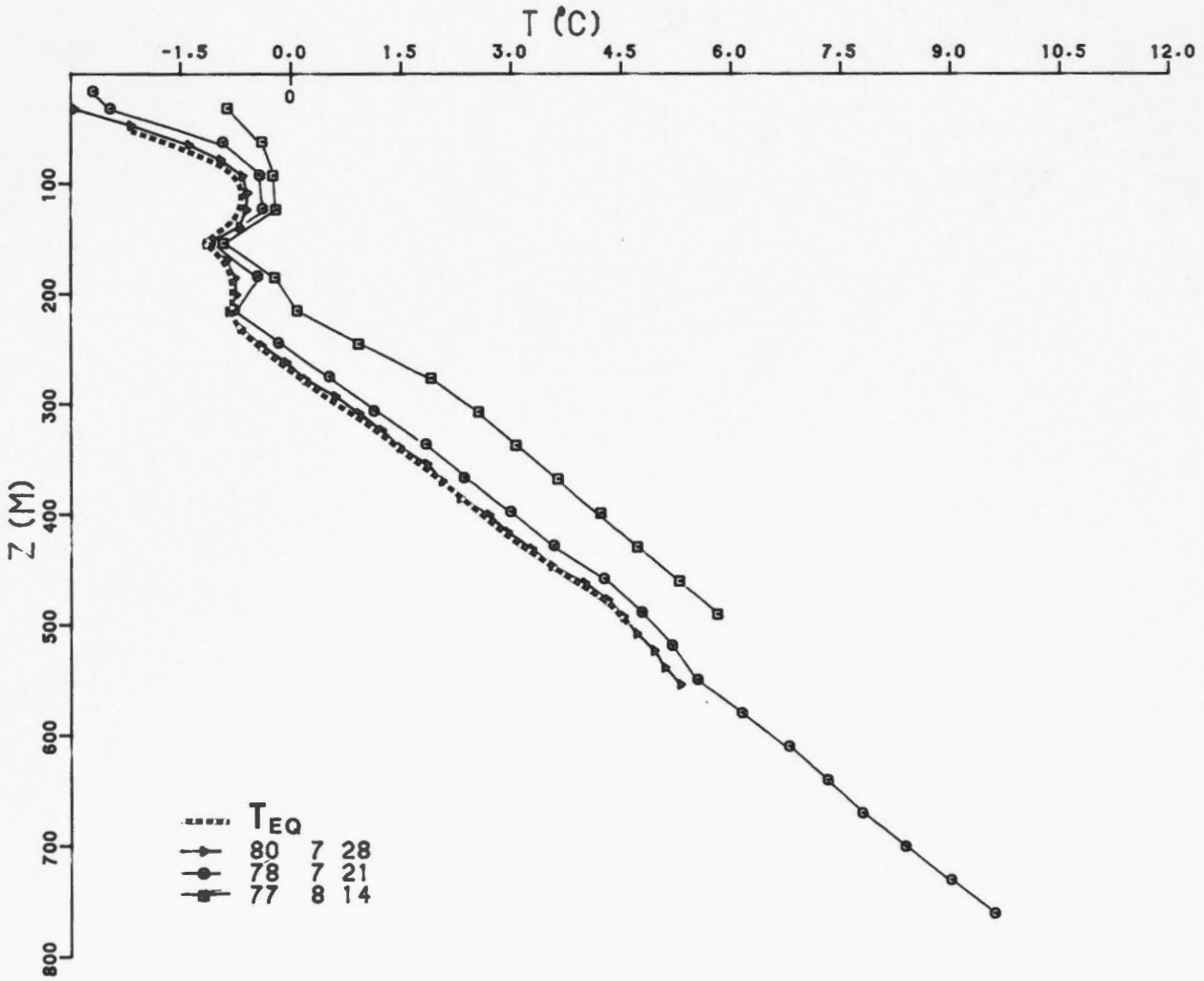
279 PARSONS L-37

68° 56.7' N 133° 39.9' W/O



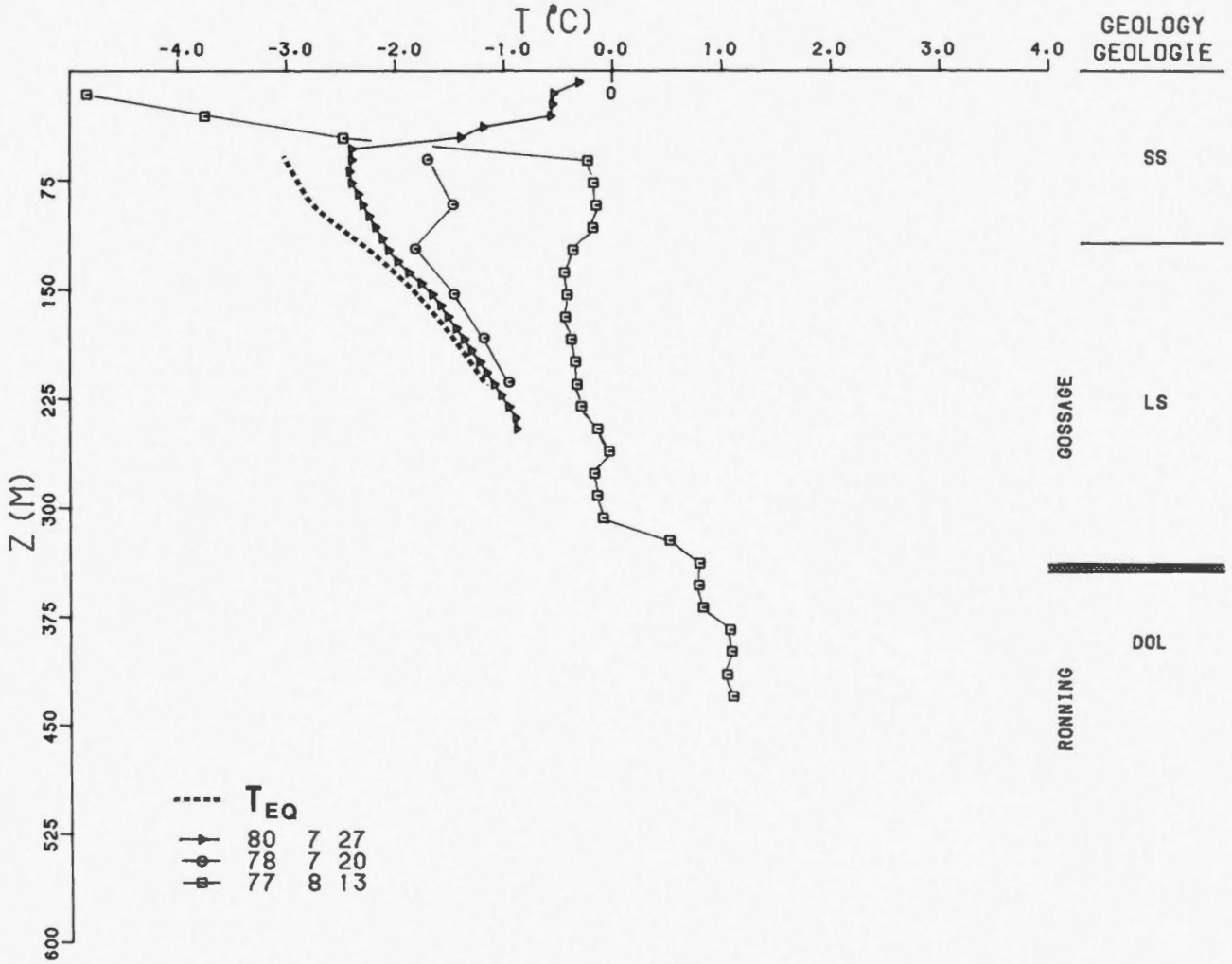
280 KUMAK E-58

69° 17.5' N 135° 14.9' W/O



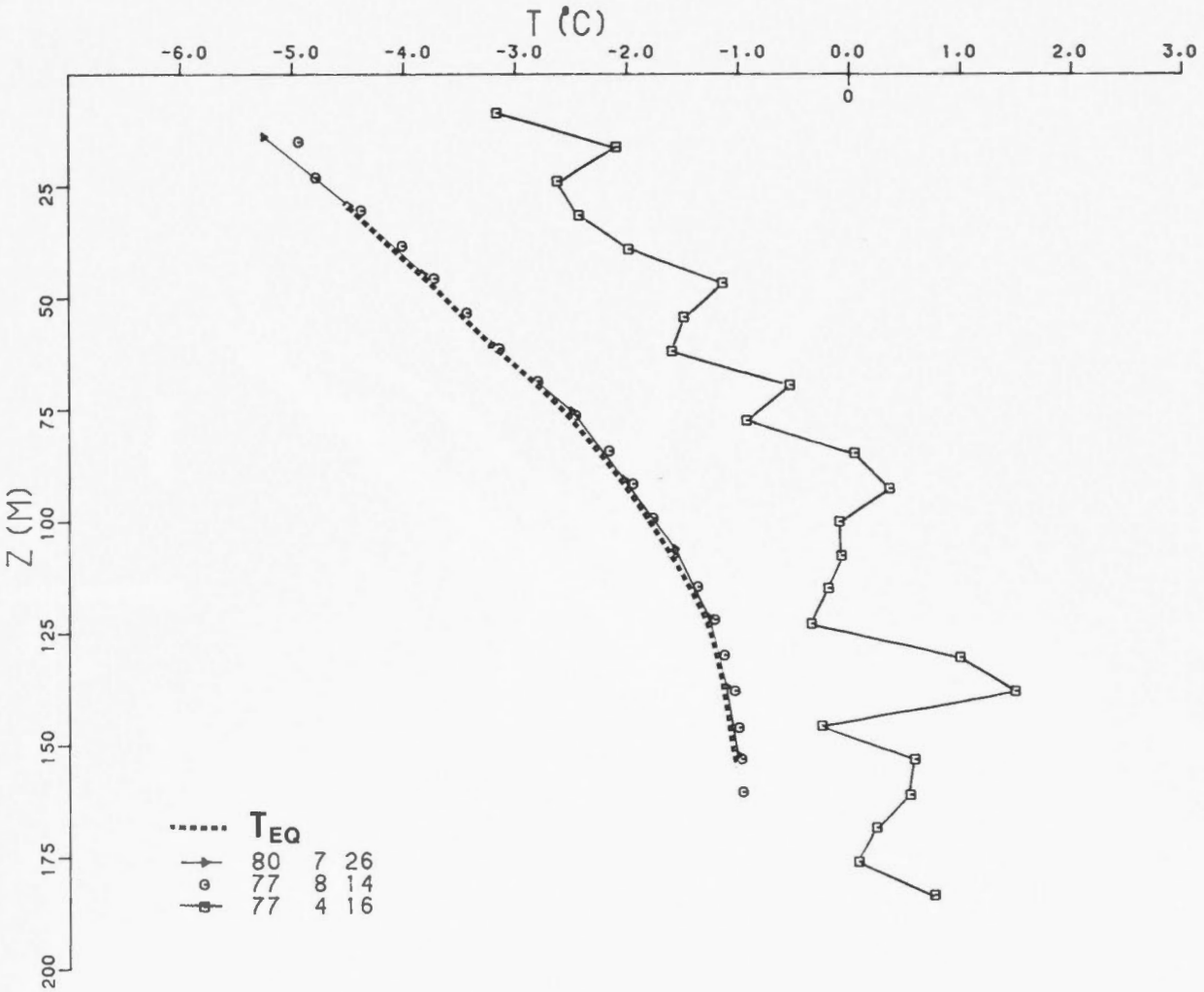
281 SADENE D-02

68° 51.0' N 126° 47.3' W/O



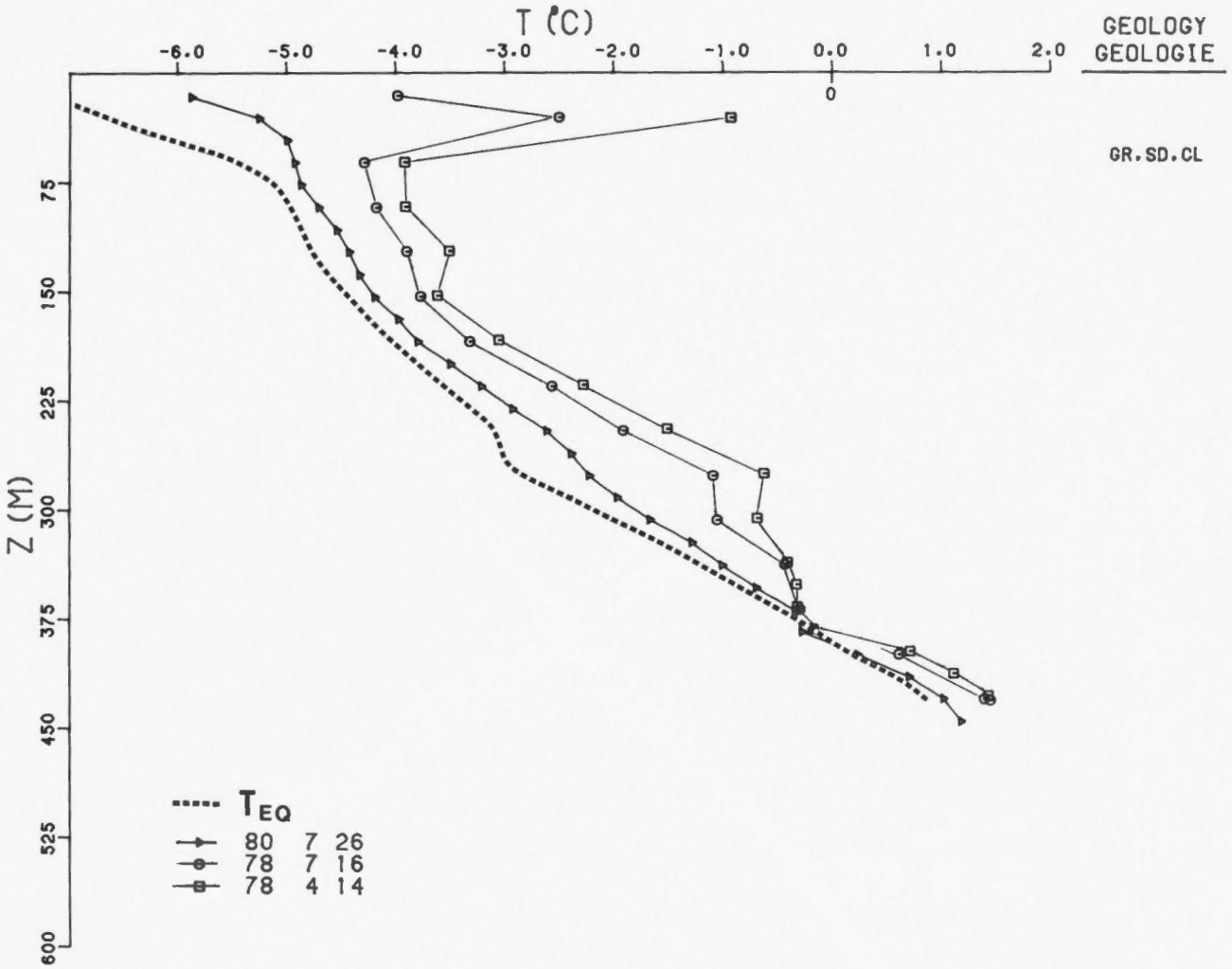
282 TAGLU N-43

69° 22.8' N 134° 56.3' W/0



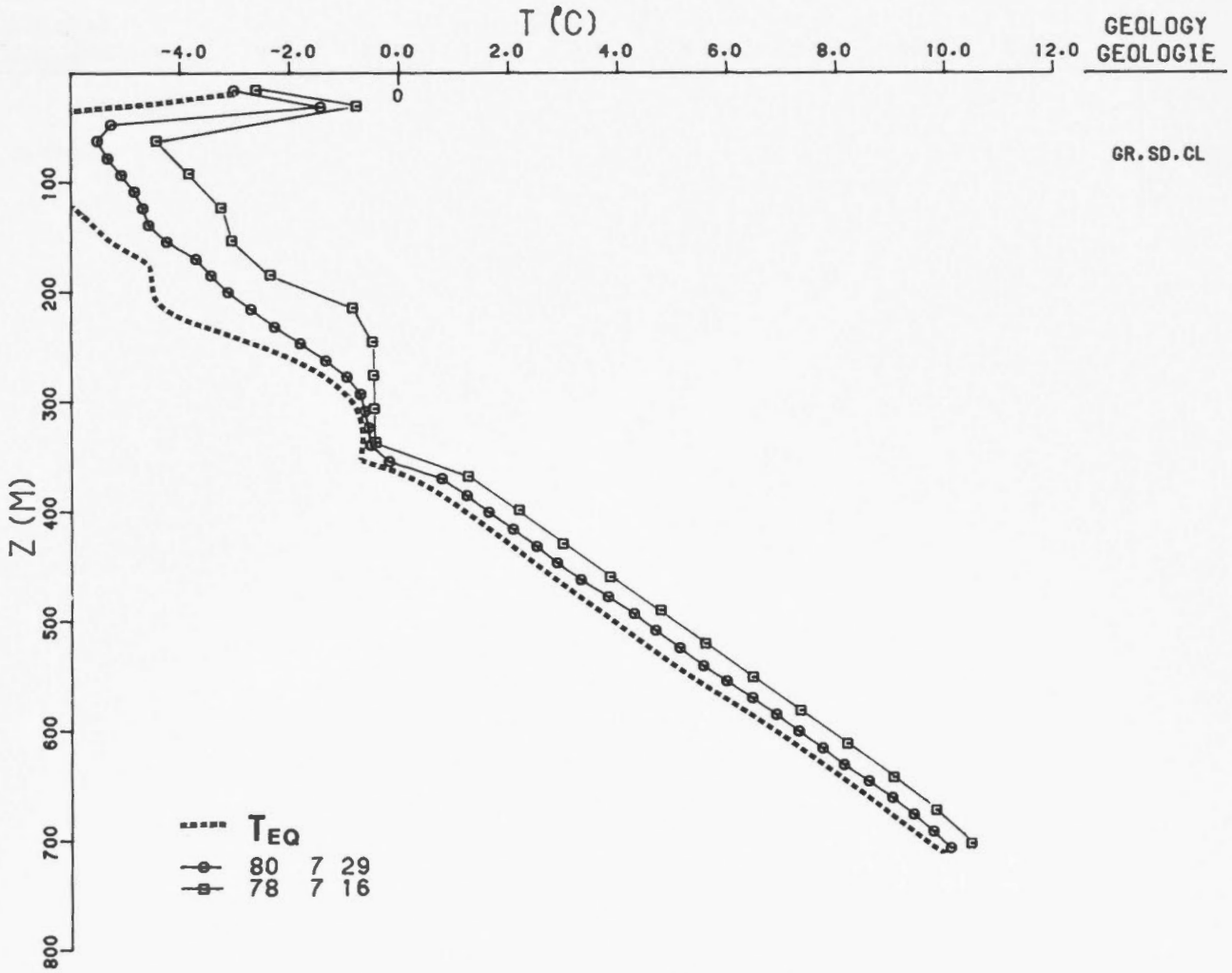
284 SIKU E-21

69° .5' N 133° 36.9' W/O



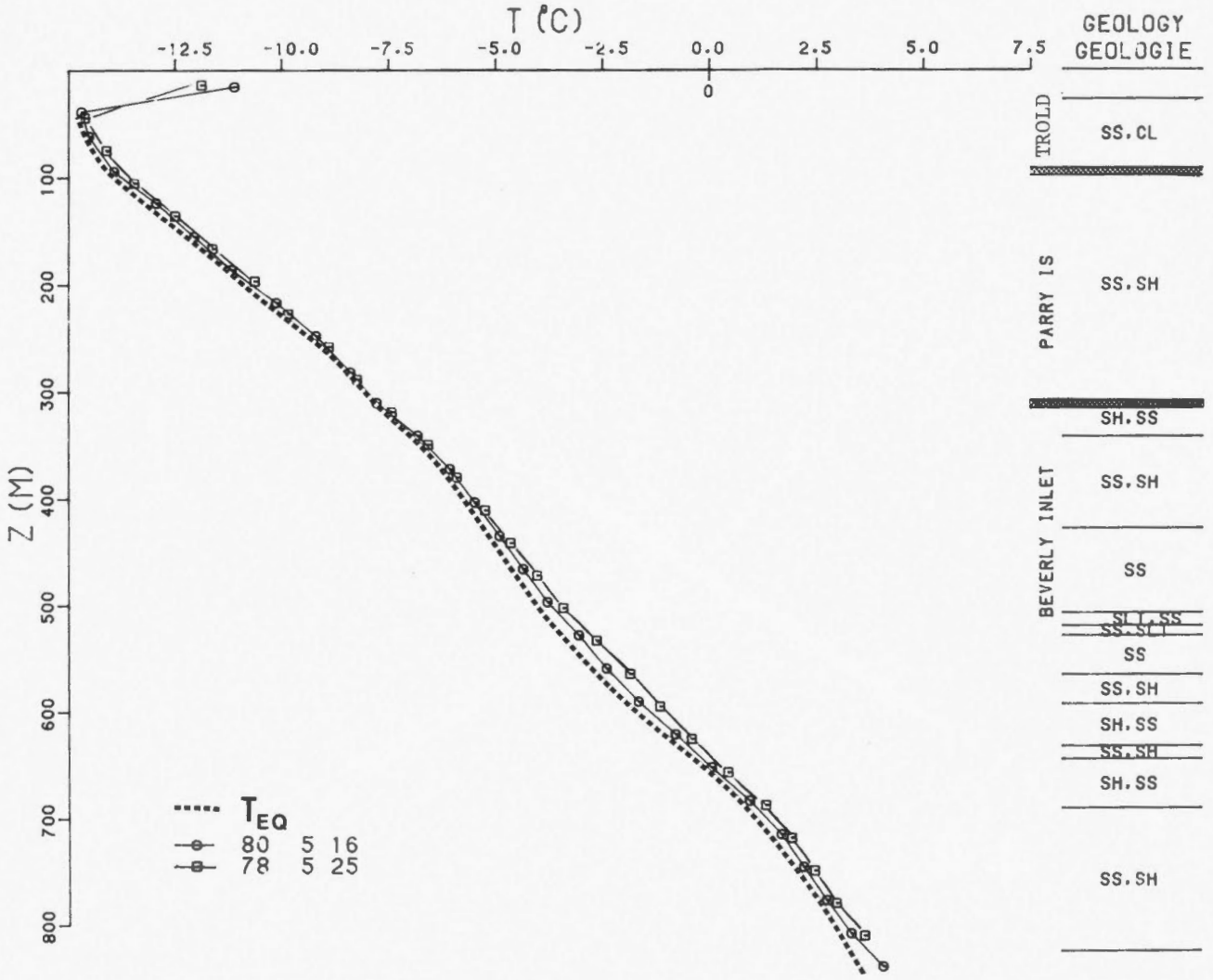
285 PARSONS D-20

68° 59.2' N 133° 34.4' W/0



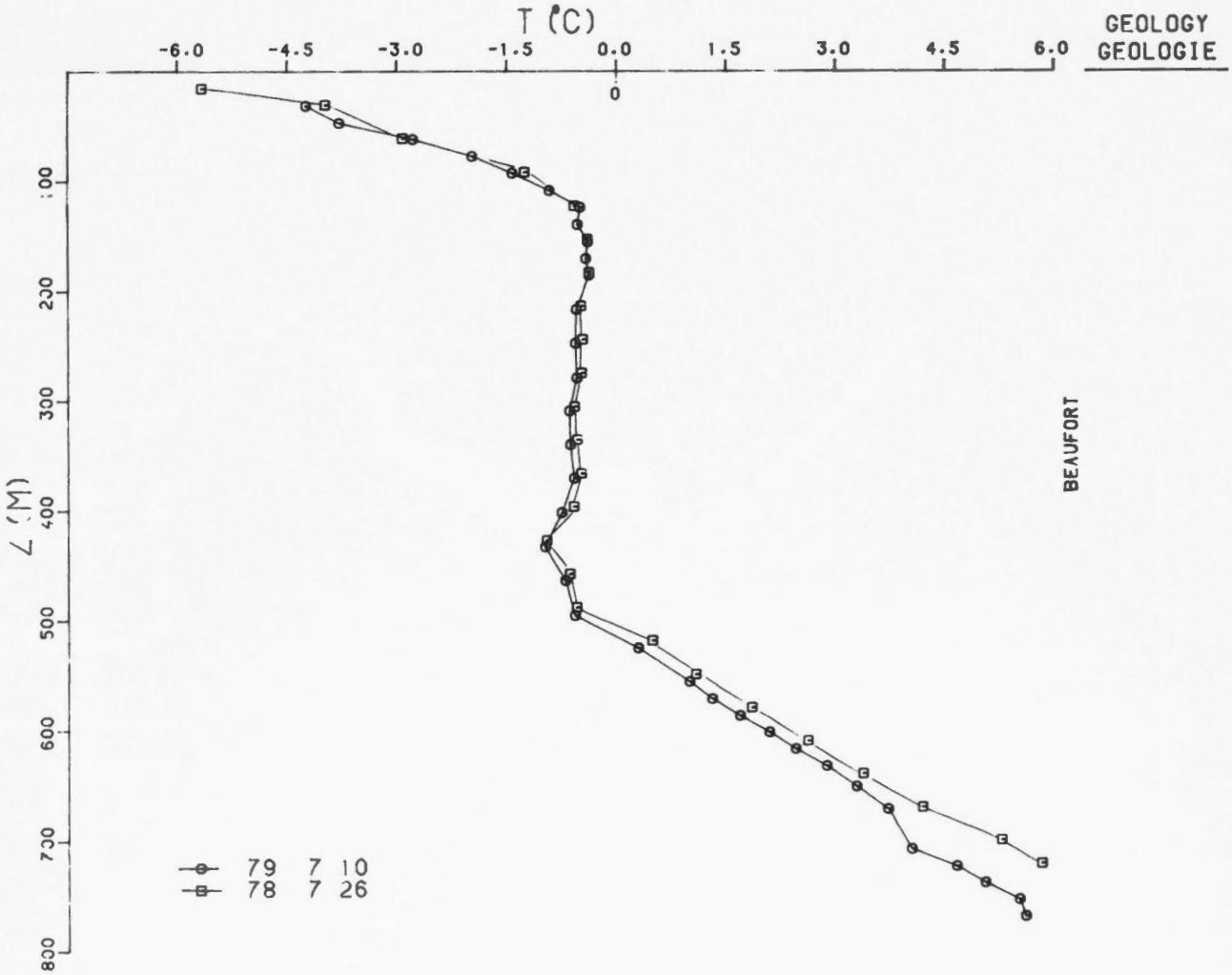
286 BENT HORN F-72A

76° 21.5' N 103° 58.2' W/O



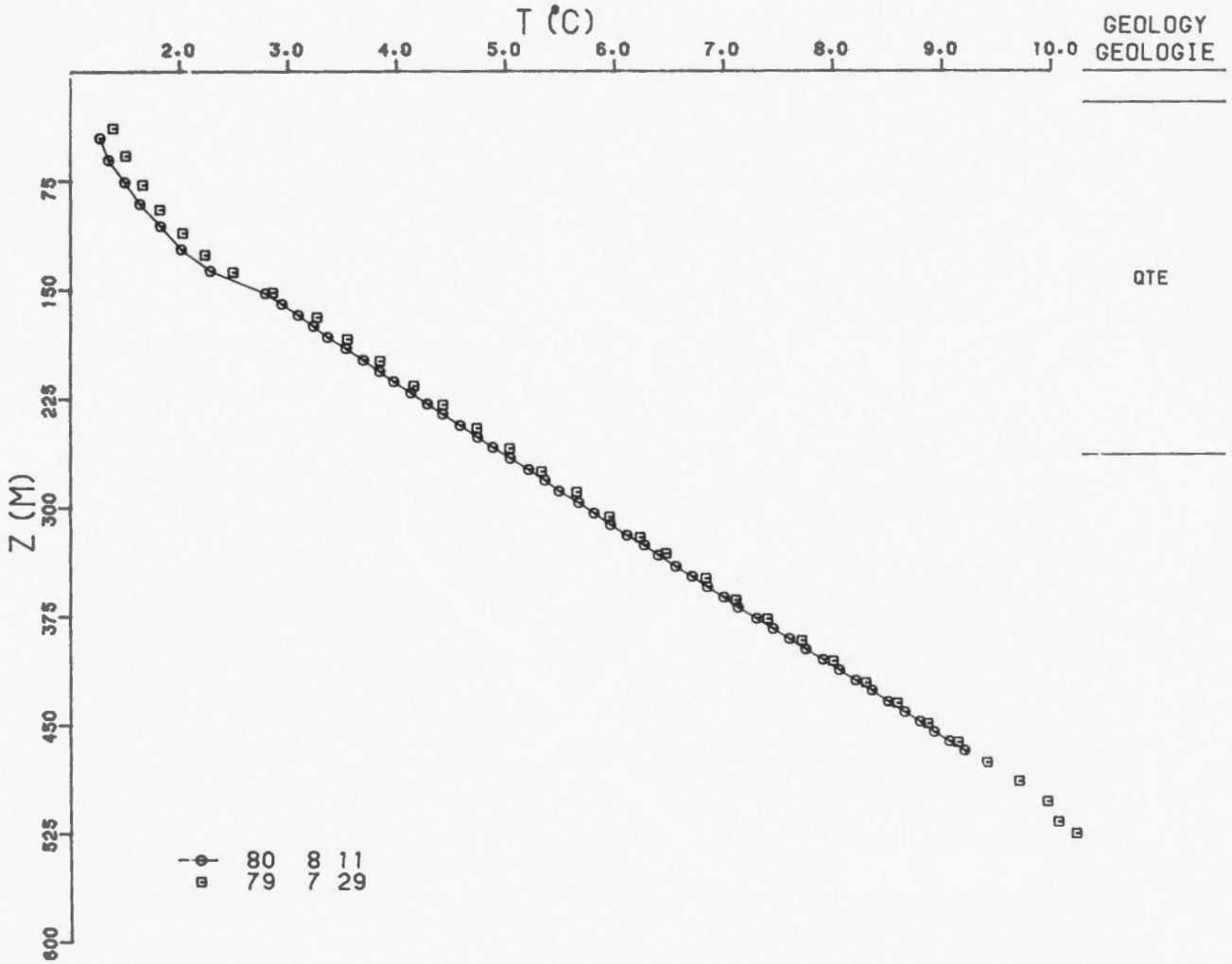
287 TAGLU H-54

69° 23.3' N 134° 58.1' W 0



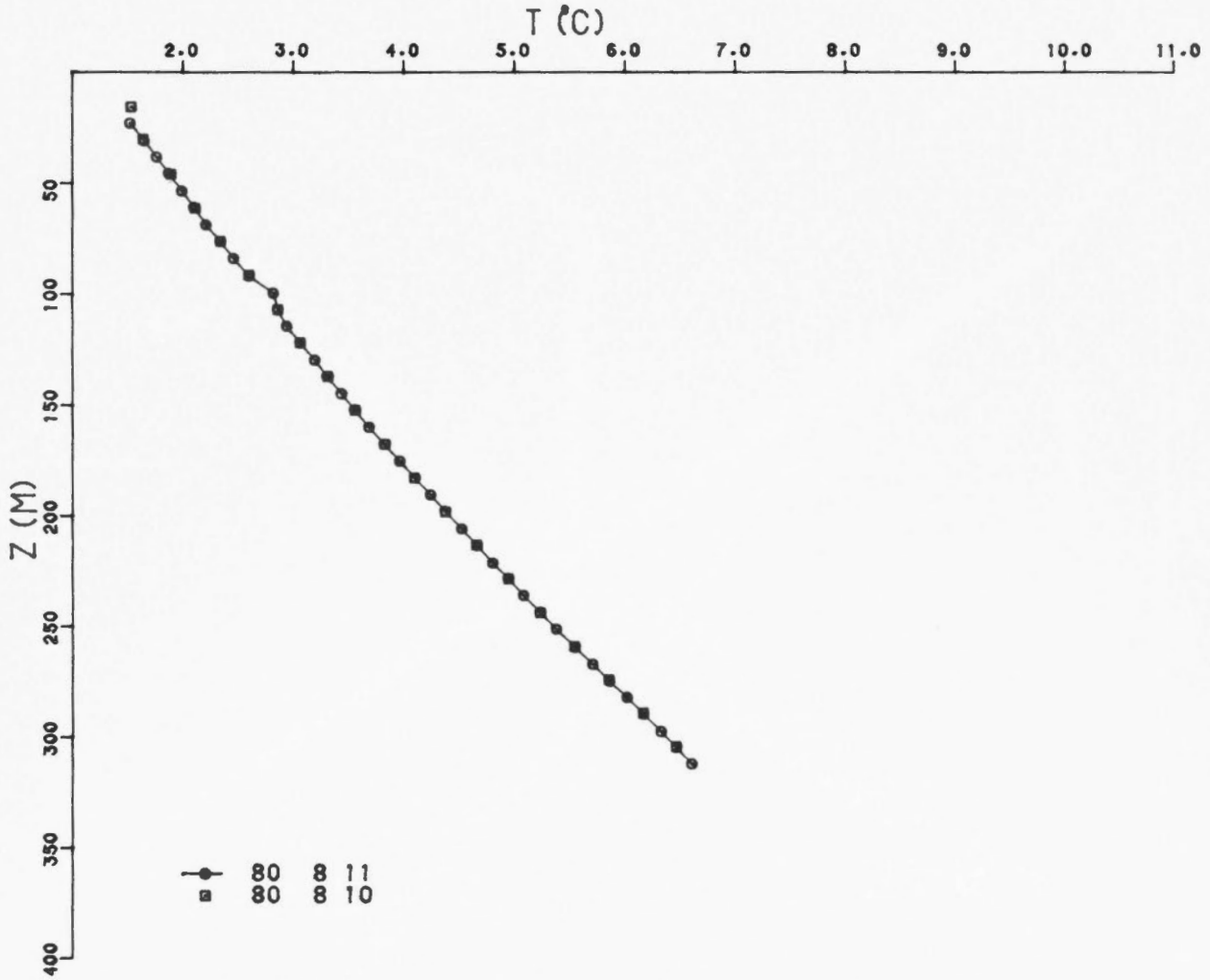
289 RED MOUNTAIN -1

60° 59.6' N 133° 45.3' W/O



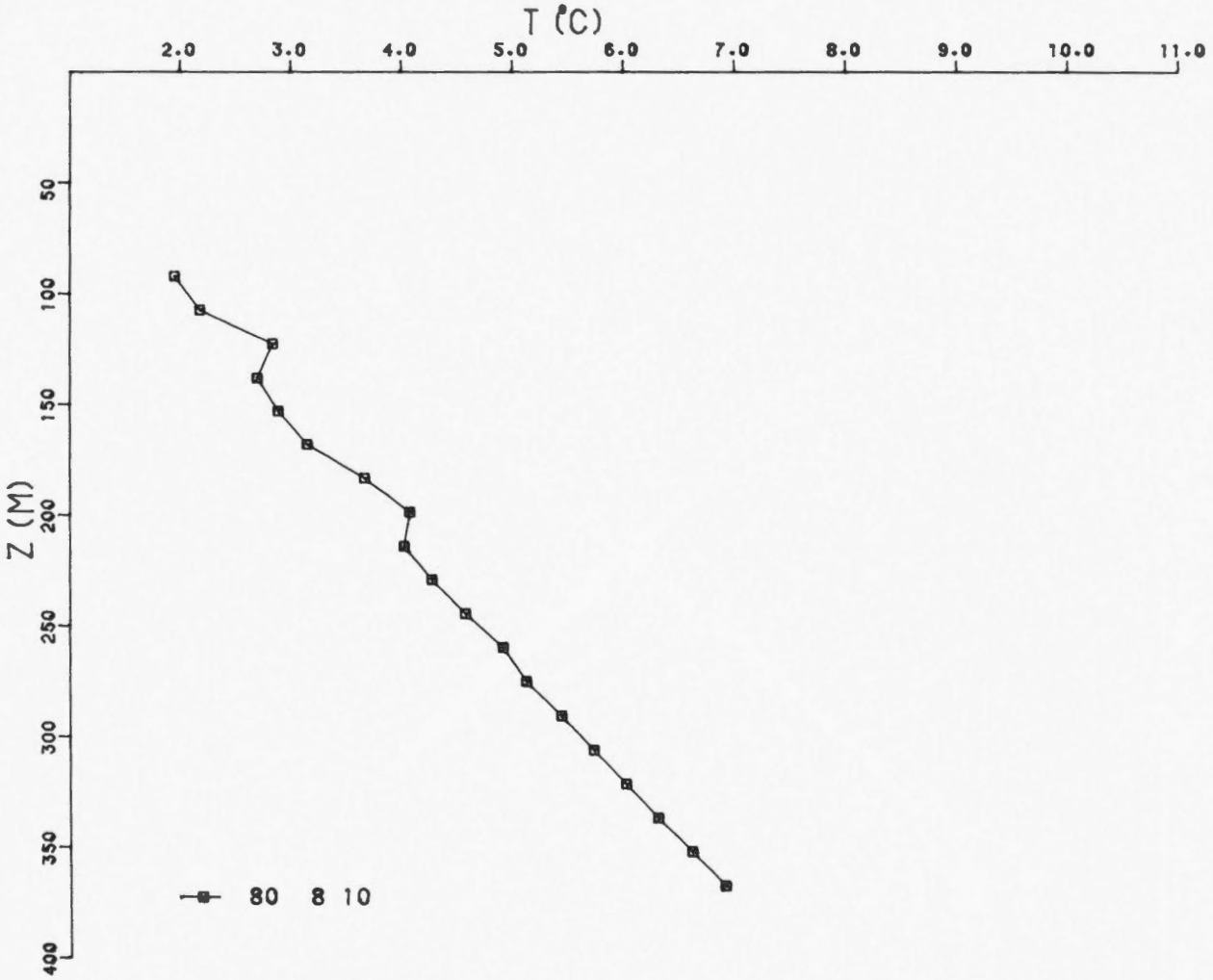
289 RED MOUNTAIN -2

60° 59.6' N 133° 44.7' W/O



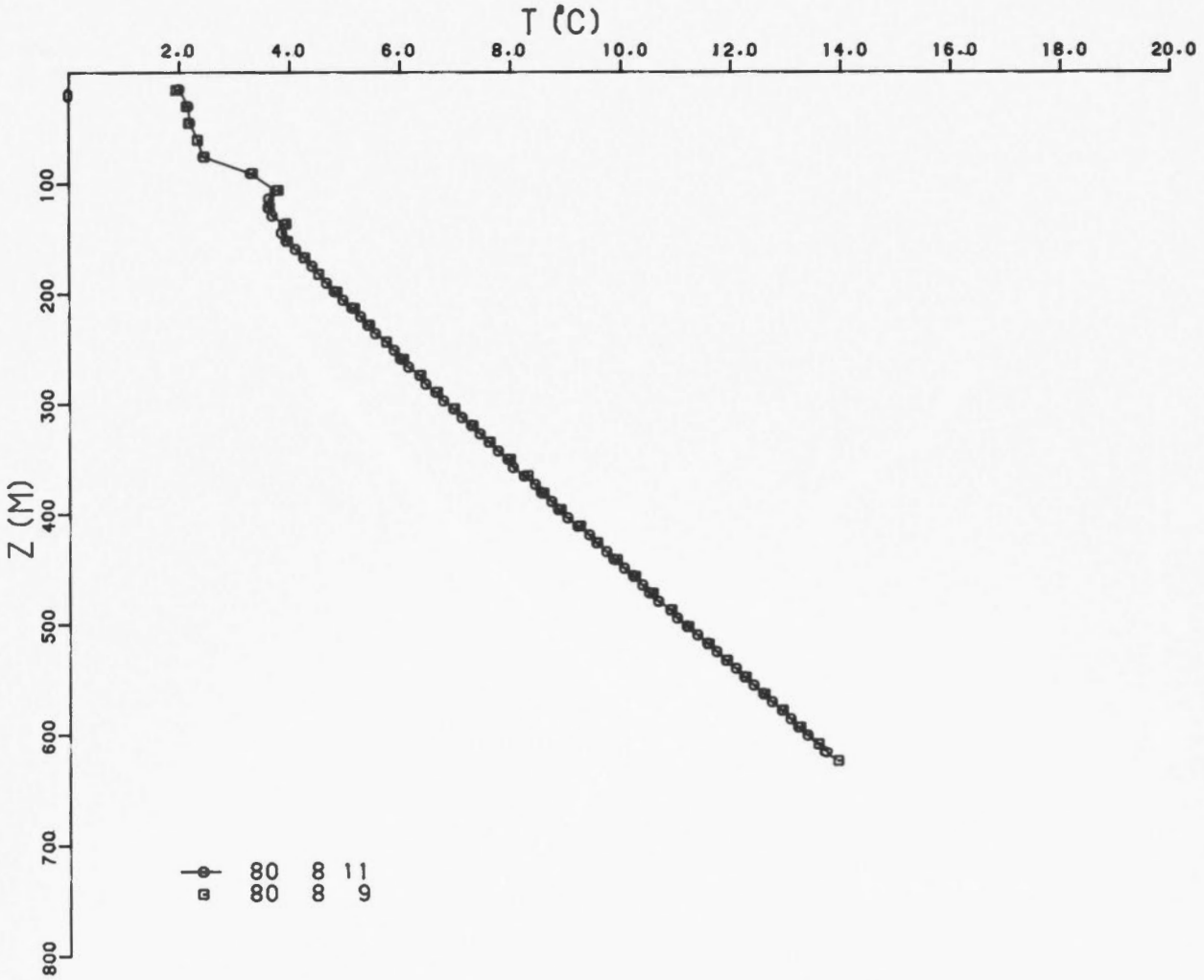
289 RED MOUNTAIN -3

60° 59.6' N 133° 44.8' W/O



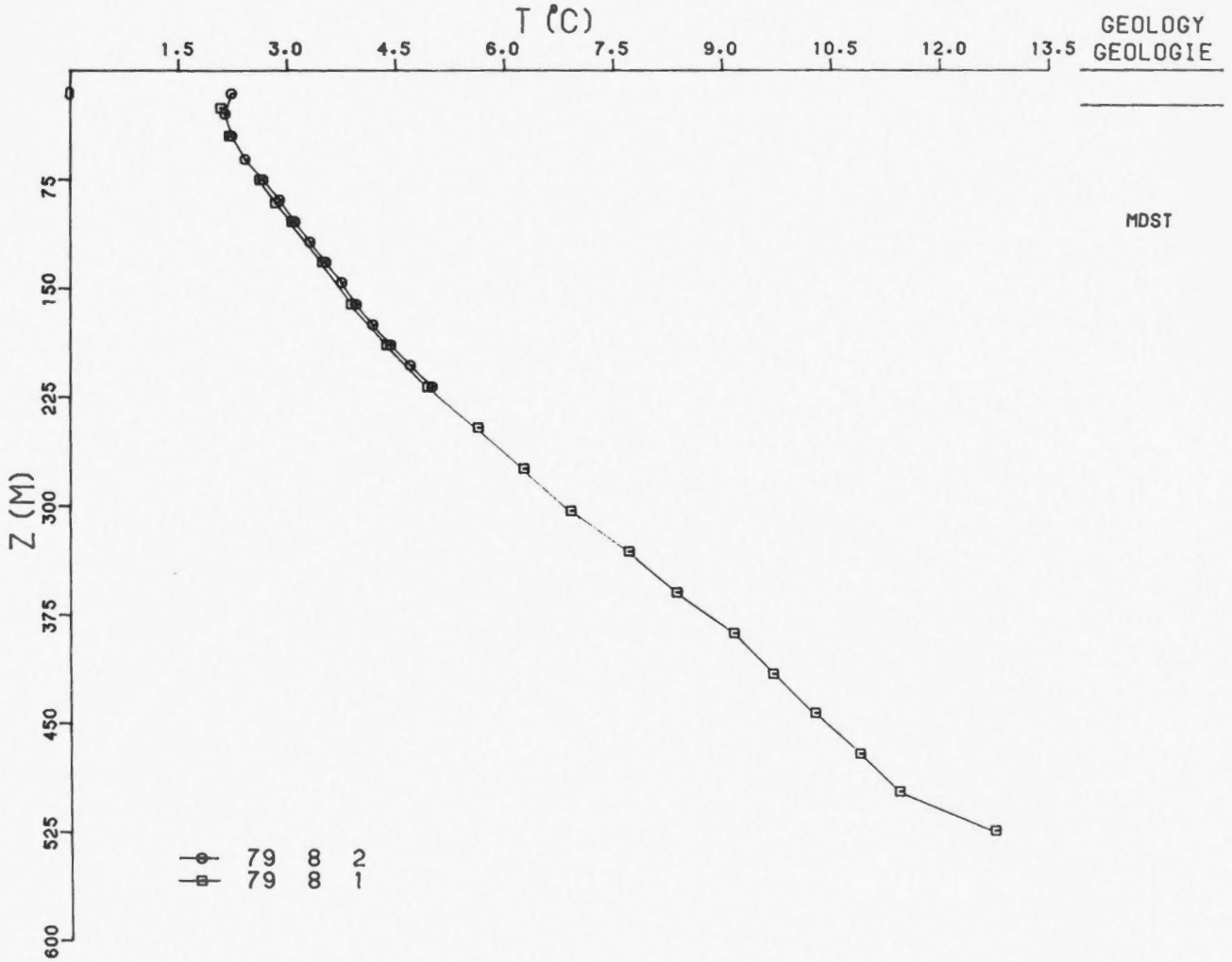
289 RED MOUNTAIN -4

60° 59.6' N 133° 44.7' W/O



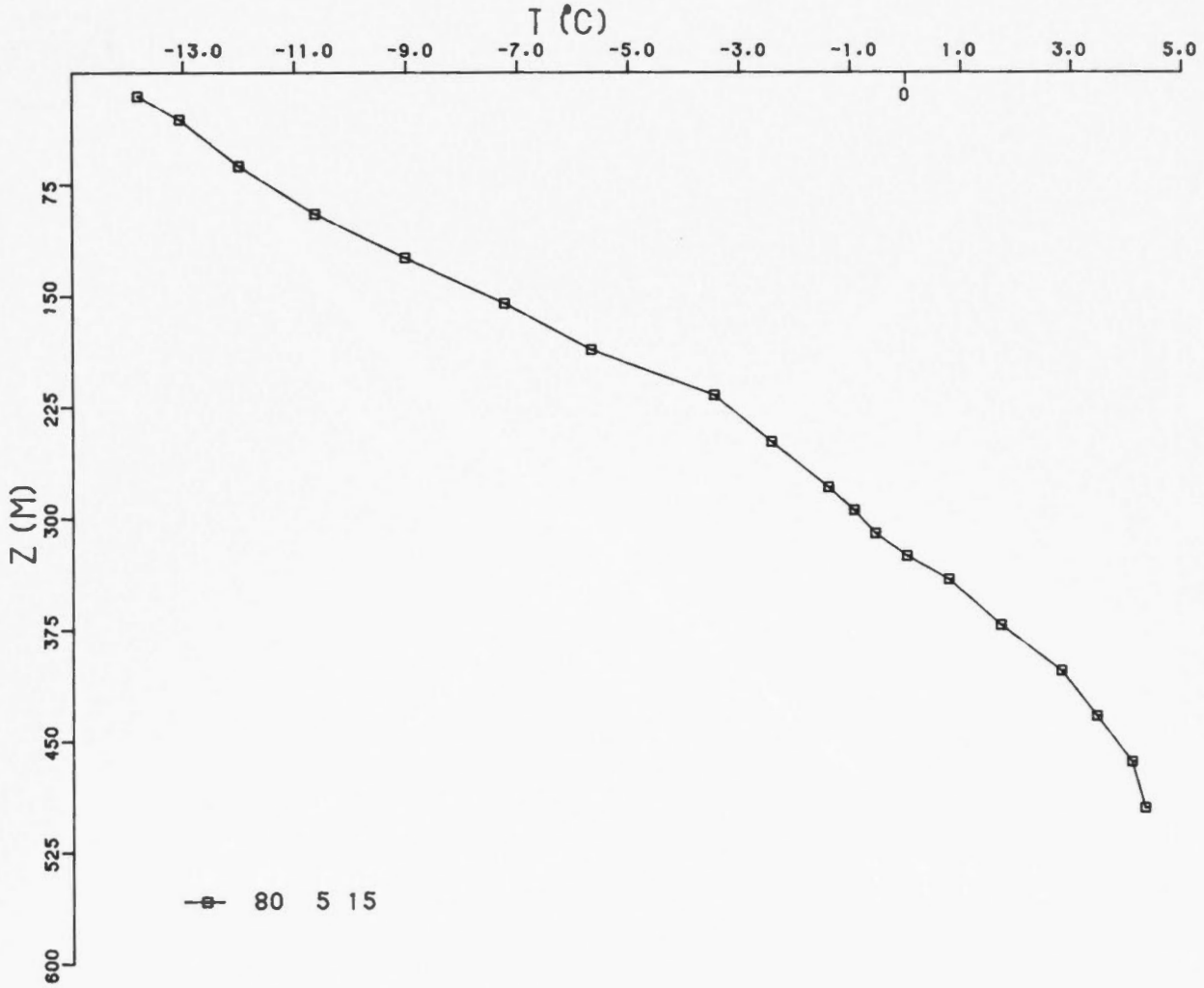
290 HOWARDS PASS

62° 34.0' N 129° 32.5' W/O



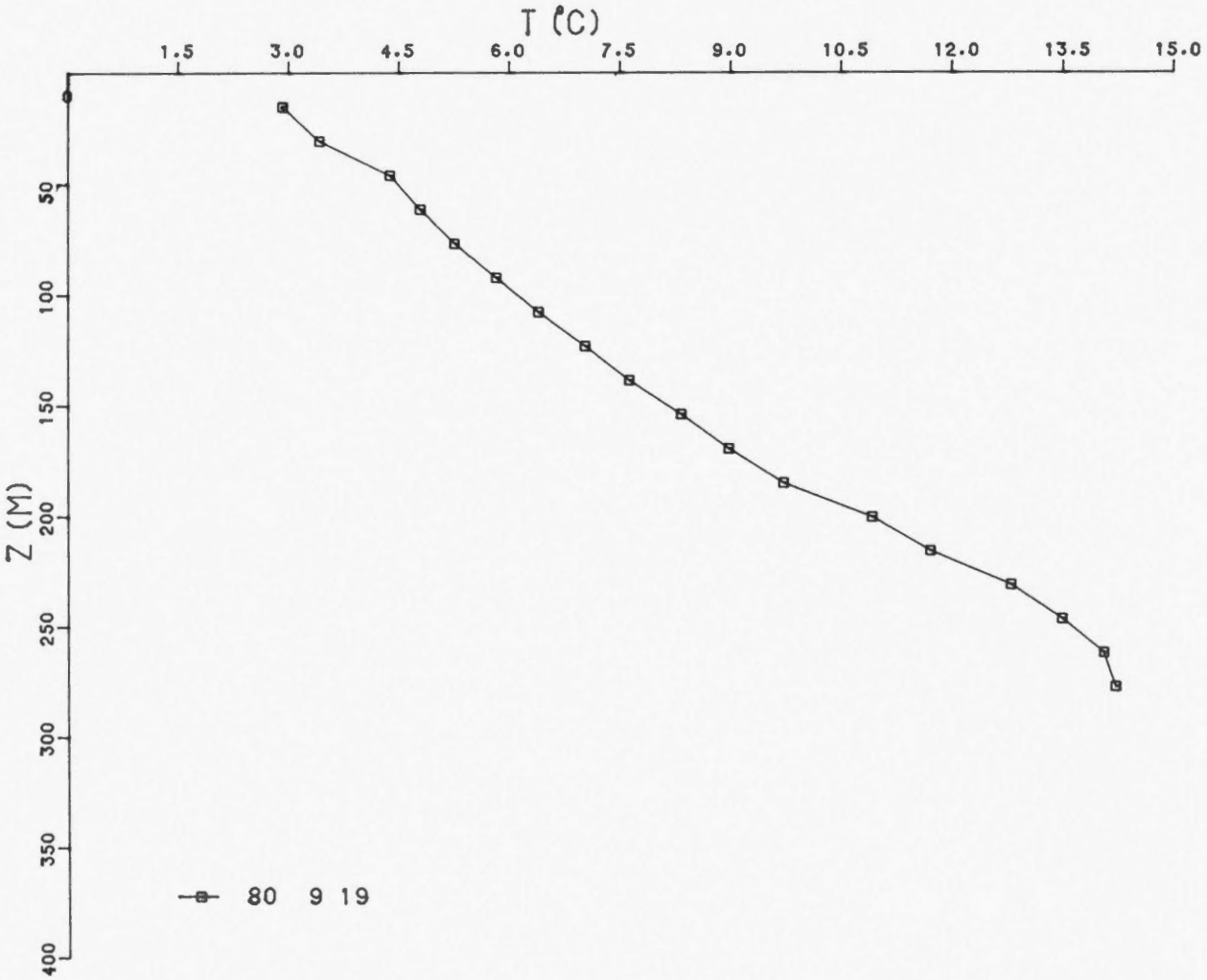
291 CORNWALL 0-30

77° 29.8' N 94° 39.0' W/0



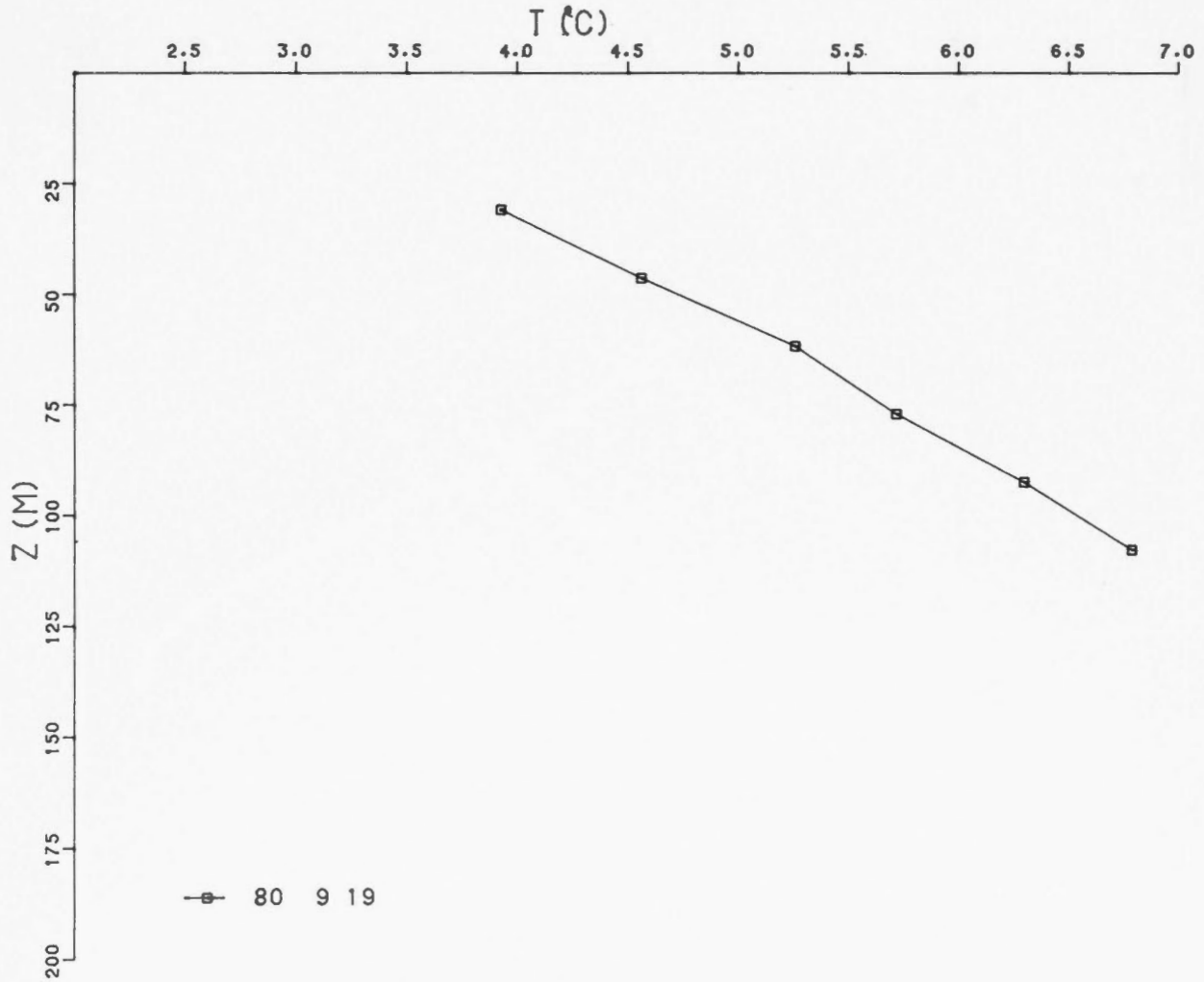
292 TATHLINA LAKE

59° 58.7' N 117° 0.9' W/O



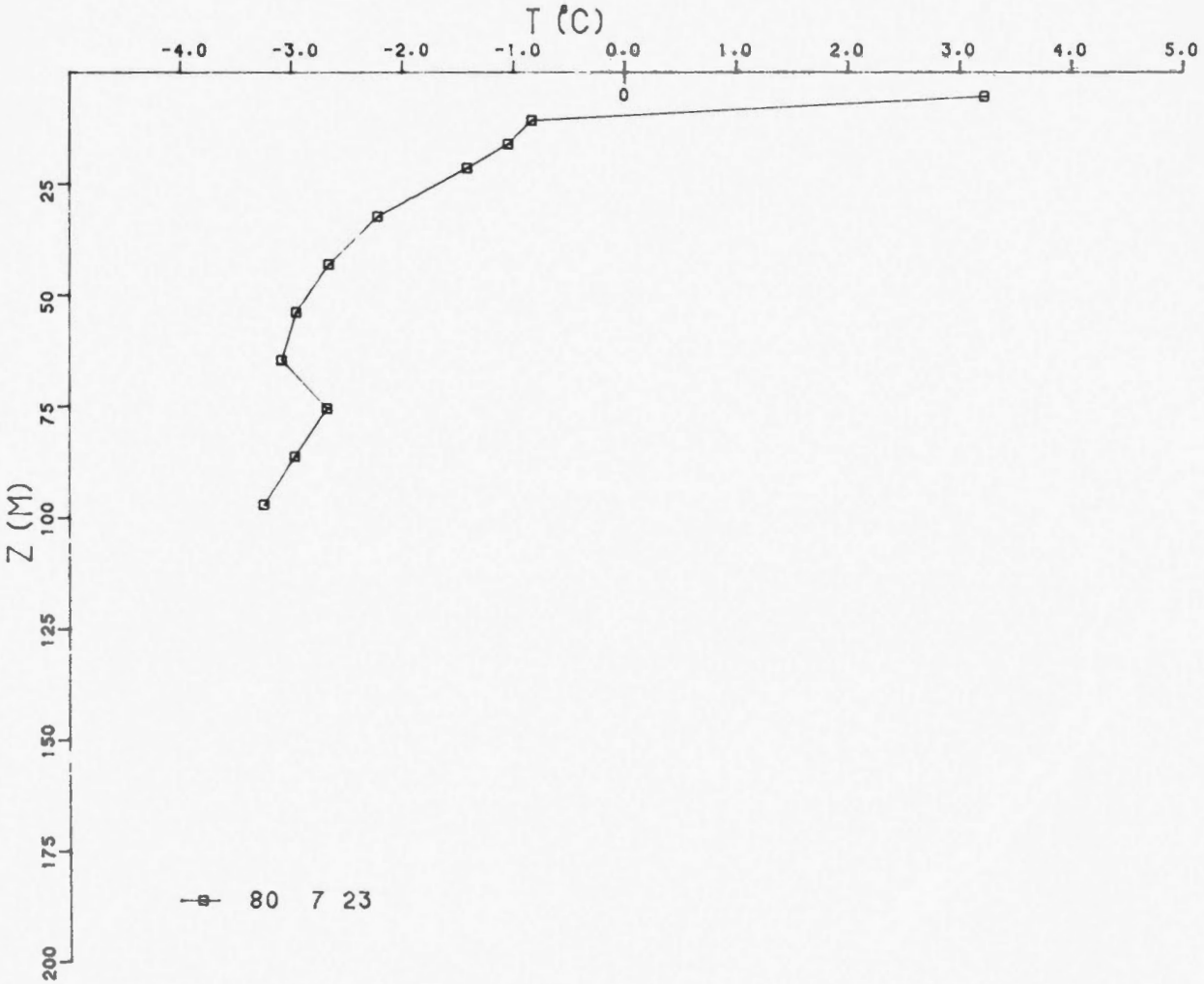
293 CAMERON B-13

60° 2.2' N 117° 2.8' W/O



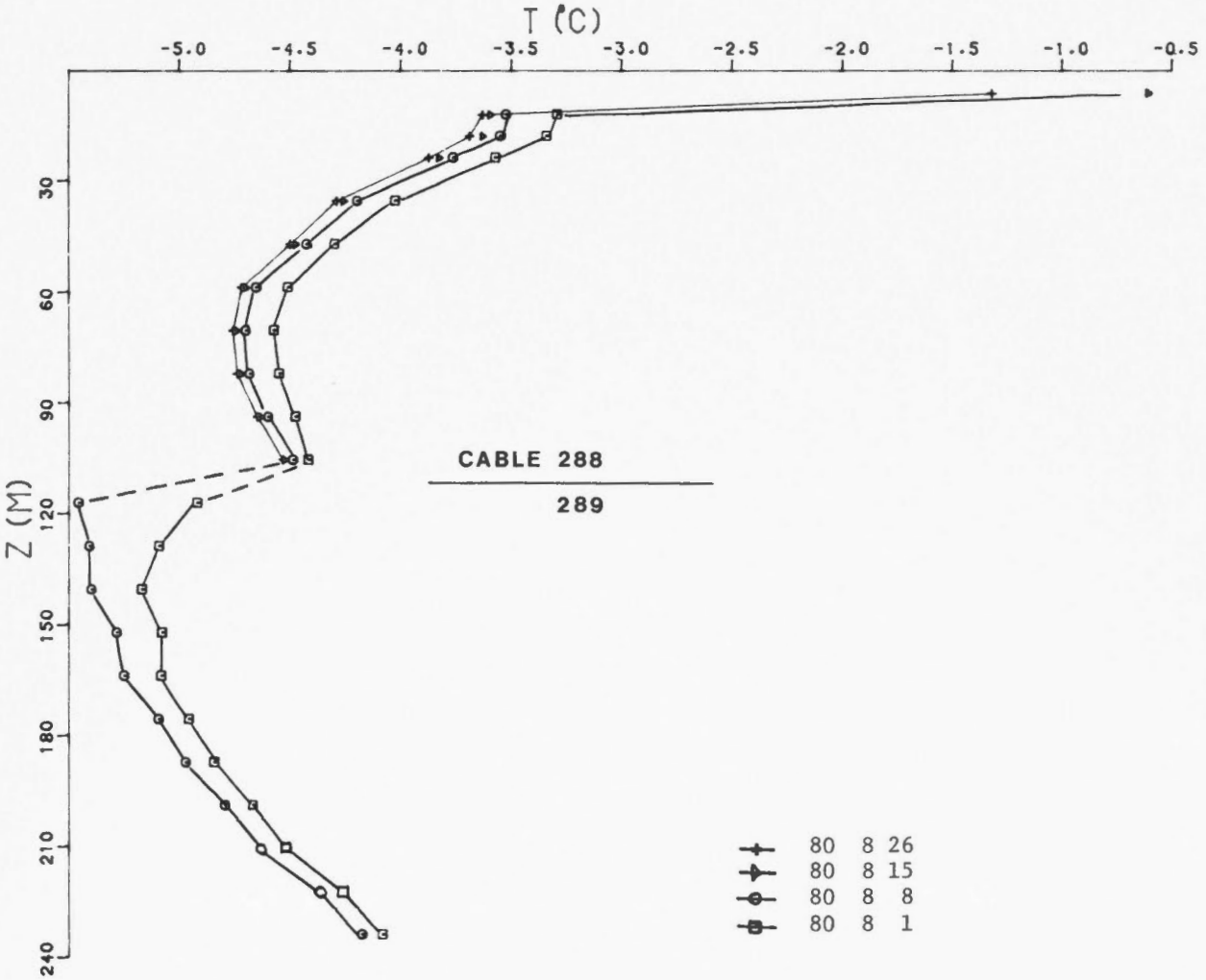
294 LAC CINQUANTE -1

62° 35.2' N 98° 38.0' W/O



294 LAC CINQUANTE -2

62° 35.3' N 98° 38.5' W/O



3.3 Tables of Equilibrium Temperature

3.3 Tableaux de la température d'équilibre

EARTH PHYSICS BRANCH NO. 95 ROWLEY M-04

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 4.0 MINUTES NORTH
79 DEGREES 3.8 MINUTES WEST

69 DEGRES 4.0 MINUTES NORD
79 DEGRES 3.8 MINUTES OUEST

ELEVATION 48 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM

RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARTHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
25	-8.54	.07	7.60	1.53	4.35
50	-8.16	.01	-.20	.29	-.15
75	-7.92	.03	.30	.59	.14
100	-7.48	.01	.15	.34	.06
125	-6.88	.01	-.15	.35	-.12
150	-6.20	.01	.68	.23	.37
175	-5.49	.02	1.09	.37	.60
200	-4.72	.02	1.60	.51	.89
225	-3.89	.01	.70	.20	.38
250	-3.16	.02	.68	.40	.36
275	-2.44	.01	-.13	.32	-.11
300	-1.82	.03	.33	.69	.16
325	-1.50	.01	.24	.19	.11
350	-1.28	.01	.72	.25	.39
375	-.99	.05	2.81	1.06	1.59
400	.04	.08	4.63	1.98	2.63
425	.94	.01	.48	.25	.25

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

72 5 20
73 5 2
74 5 14
80 8 20

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE.
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO.
99 DEVON E-45
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

75 DEGREES 4.3 MINUTES NORTH
91 DEGREES 48.3 MINUTES WEST

75 DEGRES 4.3 MINUTES NORD
91 DEGRES 48.3 MINUTES OUEST

ELEVATION 244 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM

RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARITHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
25	-14.44	.04	3.60	.39	7.30
50	-14.04	.01	2.05	.09	4.11
75	-13.74	.03	1.49	.30	2.96
100	-13.37	.03	1.52	.32	3.03

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

73 5 6
74 5 15
75 5 4
80 5 14

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE,
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO. 155 KRISTOFFER BAY B-06
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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78 DEGREES 15.3 MINUTES NORTH
102 DEGREES 32.0 MINUTES WEST

78 DEGRES 15.3 MINUTES NORD
102 DEGRES 32.0 MINUTES OUEST

ELEVATION 15 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM

RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARTHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
25	-17.05	.05	5.01	.30	16.16
50	-15.46	.02	4.33	.12	13.94
75	-14.41	.05	3.43	.33	11.03
100	-13.52	.08	4.19	.57	13.51
125	-12.49	.07	4.11	.51	13.24
150	-11.54	.04	3.92	.30	12.60
175	-10.77	.06	4.17	.46	13.42
200	-9.97	.05	4.21	.40	13.58
225	-9.10	.05	4.26	.38	13.73
250	-8.21	.08	5.68	.59	18.35
275	-7.09	.07	5.17	.50	16.71
300	-6.22	.06	5.43	.43	17.56
325	-5.42	.05	5.78	.35	18.69
350	-4.57	.02	5.27	.15	17.02
375	-3.58	.06	5.10	.46	16.47
400	-2.49	.10	5.74	.76	18.54
425	-1.35	.21	5.37	1.54	17.35
450	.37	.08	5.03	.58	16.25
475	1.86	.03	4.51	.24	14.53
500	3.23	.03	4.35	.24	14.02
525	4.68	.04	4.32	.32	13.93
550	6.07	.04	4.18	.28	13.46
575	7.36	.04	3.90	.29	12.54
600	8.65	.04	3.89	.28	12.52
625	9.95	.05	3.91	.39	12.58
650	11.02	.02	3.49	.15	11.22
675	12.05	.03	3.54	.21	11.38
700	13.14	.03	3.34	.21	10.72
725	14.28	.03	3.32	.19	10.66
750	15.39	.03	3.10	.25	9.96
775	16.42	.03	2.99	.22	9.59
800	17.44	.07	2.74	.74	8.78
825	18.41	.07	2.97	.72	9.52

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

73	5	13
74	5	20
75	5	14
76	5	13
80	5	16

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE,
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO.
166 MOKKA A-02
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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79 DEGREES 31.2 MINUTES NORTH
87 DEGREES 1.2 MINUTES WEST

79 DEGRES 31.2 MINUTES NORD
87 DEGRES 1.2 MINUTES OUEST

ELEVATION 253 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM

RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARTHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
15.2	-15.54	.32	9.03	3.14	41.81
30.5	-14.83	.22	6.13	1.12	28.33
45.7	-14.53	.12	5.93	.61	27.40
61.0	-14.60	.12	6.53	.56	30.20
76.2	-14.21	.23	6.39	1.20	29.53
91.4	-14.09	.04	6.85	.21	31.67
106.7	-13.51	.14	6.96	.74	32.19
137.2	-12.45	.10	6.13	.52	28.33
152.4	-11.02	.06	3.72	.31	17.11
167.6	-10.98	.13	5.63	.67	25.99
182.9	-10.52	.07	4.90	.37	22.59
198.1	-9.91	.09	5.08	.47	23.41
213.4	-9.52	.08	5.72	.41	26.40
228.6	-9.29	.10	5.93	.51	27.38
243.8	-8.59	.12	4.90	.58	22.58
259.1	-8.12	.14	4.87	.70	22.47
274.3	-7.69	.04	5.11	.21	23.58
289.6	-7.66	.15	6.44	.76	29.77
320.0	-6.97	.08	7.09	.41	32.78
350.5	-4.82	.14	2.87	.72	13.14
381.0	-4.48	.02	5.75	.09	26.53
411.5	-3.42	.09	5.16	.45	23.82
442.0	-2.23	.14	3.76	.74	17.28

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

74 5 23
75 5 13
76 5 8
78 5 25
80 5 15

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE.
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO.
168 DUNDAS C-80
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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74 DEGREES 39.0 MINUTES NORTH
113 DEGREES 23.0 MINUTES WEST

74 DEGRES 39.0 MINUTES NORD
113 DEGRES 23.0 MINUTES OUEST

ELEVATION 240 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM

RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARITHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
25	-14.86	.16	3.11	.54	8.14
50	-14.60	.02	3.14	.05	8.22
75	-14.10	.01	3.27	.04	8.55
100	-13.48	.01	3.33	.05	8.72
125	-12.49	.04	3.41	.12	8.92
150	-11.62	.02	3.34	.05	8.74
175	-11.03	.01	3.22	.05	8.42
200	-10.50	.02	3.36	.06	8.80
225	-9.96	.02	3.73	.06	9.75
250	-9.35	.03	4.16	.09	10.93
275	-8.54	.03	4.14	.10	10.87
300	-7.93	.03	4.21	.12	11.05
325	-7.21	.03	4.47	.11	11.75
350	-6.30	.04	4.27	.13	11.23
375	-5.78	.04	4.22	.14	11.07
400	-5.32	.03	3.92	.11	10.28
425	-4.83	.05	4.26	.16	11.19
450	-4.06	.04	3.92	.14	10.29
475	-3.52	.03	3.74	.10	9.80
500	-2.77	.02	3.30	.08	8.63
525	-2.02	.03	3.27	.09	8.55
550	-1.18	.05	4.01	.16	10.51
575	-.09	.05	3.94	.16	10.33
600	.91	.06	3.78	.19	9.90
625	2.02	.07	3.41	.24	8.93
650	3.00	.06	3.15	.19	8.24

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

73 4 28
74 5 25
75 5 7
76 5 19
78 5 26
80 5 12

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE,
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO. 170 THOR P-38

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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78 DEGREES 7.8 MINUTES NORTH
103 DEGREES 15.2 MINUTES WEST

78 DEGRES 7.8 MINUTES NORD
103 DEGRES 15.2 MINUTES OUEST

ELEVATION 5 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM

RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARITHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
25	-16.66	.09	8.34	1.97	6.36
50	-15.69	.08	8.86	.95	6.76
75	-14.80	.08	8.78	.89	6.70
100	-13.90	.04	8.15	.43	6.22
125	-12.94	.03	7.85	.37	5.98
150	-11.48	.04	6.77	.49	5.16
175	-10.14	.03	7.93	.35	6.05
200	-8.75	.03	7.69	.36	5.86
225	-7.24	.05	6.25	.62	4.76
250	-5.58	.04	4.92	.44	3.73
275	-3.73	.05	3.61	.63	2.73
300	-2.13	.05	3.26	.60	2.46
325	-.70	.11	5.06	1.21	3.85
350	.88	.04	5.91	.40	4.50
375	2.38	.02	5.13	.24	3.90
400	3.67	.02	5.53	.20	4.21
425	5.00	.04	5.64	.40	4.29
450	6.33	.03	5.83	.39	4.44
475	7.62	.04	5.80	.44	4.41
500	8.81	.04	6.23	.47	4.74
525	9.96	.02	3.82	.93	2.90
550	10.92	.01	7.35	.31	5.60

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

72 9 13
73 5 11
74 5 19
75 5 15
76 5 13
80 5 16

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE,
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO.
172 DRAKE B-44
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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76 DEGREES 23.1 MINUTES NORTH
108 DEGREES 16.1 MINUTES WEST

76 DEGRES 23.1 MINUTES NORD
108 DEGRES 16.1 MINUTES OUEST

ELEVATION 4 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM

RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARTHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
25	-14.21	.04	3.82	.56	2.99
50	-12.43	.07	3.76	1.01	2.95
75	-10.59	.02	4.95	.33	3.89
100	-8.38	.06	4.94	.96	3.89
125	-5.96	.11	4.85	1.66	3.17
150	-3.48	.13	6.44	1.95	5.08
175	-1.15	.12	5.09	1.73	4.00
200	1.10	.10	3.44	1.48	2.69
225	2.55	.04	2.24	.62	1.74
250	3.88	.07	1.78	.98	1.37
275	5.12	.07	2.44	1.09	1.90
300	6.34	.07	2.01	1.07	1.56
325	7.36	.06	2.30	.83	1.79

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

73 5 7
74 5 16
75 5 6
76 5 17
79 5 27

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE.
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO. 175 GEMINI E-10

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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79 DEGREES 59.4 MINUTES NORTH
84 DEGREES 4.2 MINUTES WEST

79 DEGRES 59.4 MINUTES NORD
84 DEGRES 4.2 MINUTES OUEST

ELEVATION 126 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM

RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARITHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
25	-19.82		97.45		
50	-16.46	.11	8.06	.21	31.81
75	-15.77	.04	6.13	.08	24.14
100	-15.30	.07	7.11	.14	28.07
125	-14.64	.09	7.75	.17	30.59
150	-13.29	.03	7.05	.06	27.79
175	-11.99	.02	6.69	.03	26.38
200	-10.60	.02	6.83	.03	26.92
225	-9.36	.05	6.62	.09	26.09
250	-8.36	.05	5.80	.09	22.86
275	-7.29	.02	5.65	.04	22.23
300	-6.12	.02	4.76	.04	18.72
325	-5.25	.02	3.85	.03	15.09
350	-4.42	.04	3.33	.07	13.03
375	-3.53	.10	2.61	.19	10.18
400	-2.76	.14	2.24	.26	8.69
425	-1.92	.14	2.22	.26	8.62
450	-1.33	.05	3.09	.09	12.09
475	-.90	.08	4.49	.15	17.63
500	-.10	.13	5.19	.25	20.41
525	1.16	.19	5.10	.35	20.08
550	2.79	.08	4.79	.15	18.82
575	4.25	.06	4.74	.10	18.63
600	5.63	.06	4.69	.12	18.45
625	7.05	.07	4.47	.14	17.56
650	8.43	.08	4.27	.15	16.77
675	9.61	.06	4.32	.12	16.95
700	10.74	.06	4.09	.11	16.05
725	11.74	.06	3.90	.11	15.30
750	12.78	.06	3.76	.11	14.73
775	13.83	.08	3.68	.14	14.41
800	14.83	.05	3.54	.09	13.86
825	16.00	.10	2.34	.56	9.10
850	17.27	.09	2.33	.52	9.06

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

73 4 30
74 5 22
75 5 12
76 5 8
77 5 18
78 5 24
80 5 15

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE.
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO. 196 BENT HORN N-72

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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76 DEGREES 21.8 MINUTES NORTH
103 DEGREES 58.2 MINUTES WEST

76 DEGRES 21.8 MINUTES NORD
103 DEGRES 58.2 MINUTES OUEST

ELEVATION 63 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM

RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARTHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
50	-15.76	.01	2.04	.02	7.24
75	-15.32	.01	2.11	.02	7.50
100	-14.74	.01	2.09	.02	7.45
125	-14.13	.01	2.07	.02	7.38
150	-13.50	.04	2.11	.06	7.50
175	-12.68	.04	2.08	.06	7.39
200	-11.99	.03	2.03	.04	7.21
225	-11.26	.04	2.03	.06	7.23
250	-10.37	.04	2.14	.07	7.63
275	-9.47	.04	2.00	.07	7.12
300	-8.69	.03	1.93	.06	6.86
325	-8.02	.05	1.91	.07	6.78
350	-7.39	.04	1.89	.06	6.70
375	-6.80	.04	1.91	.06	6.79
400	-6.27	.04	2.04	.07	7.25
425	-5.76	.03	2.14	.05	7.60
450	-5.29	.02	2.37	.04	8.46
475	-4.69	.04	2.14	.06	7.62
500	-4.07	.04	1.73	.06	6.13
525	-3.59	.04	1.73	.06	6.14
550	-3.12	.04	1.48	.07	5.22
575	-2.68	.05	1.27	.08	4.45
600	-2.26	.06	1.08	.10	3.76
625	-1.80	.07	.79	.11	2.72
650	-1.37	.06	.49	.09	1.61
675	-1.02	.07	.83	.11	2.86
700	-.56	.10	1.31	.15	4.60
725	-.03	.09	1.28	.13	4.49
750	.69	.07	1.29	.11	4.50
775	1.43	.07	1.22	.10	4.27
800	2.01	.06	1.21	.08	4.24
825	2.61	.16	1.23	.21	4.28

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

74 5 17
75 5 6
76 5 15
77 5 17
78 5 25
79 5 27

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE.
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO. 197 NEIL 0-15
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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80 DEGREES 44.6 MINUTES NORTH
83 DEGREES 4.8 MINUTES WEST

80 DEGRES 44.6 MINUTES NORD
83 DEGRES 4.8 MINUTES OUEST

ELEVATION 497 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM

RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARTHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
25	-9.35		13.14		18.29
50	-8.90	.01	2.79	.10	3.82
75	-8.94	.02	2.38	.27	3.25
100	-8.87	.02	2.03	.31	2.77
125	-8.72	.02	1.89	.31	2.57
150	-8.42	.02	2.13	.24	2.91
175	-8.08	.02	2.13	.22	2.91
200	-7.71	.02	2.05	.23	2.80
225	-7.34	.02	2.30	.25	3.14
250	-6.91	.03	2.79	.36	3.83
275	-6.33	.03	3.06	.42	4.20
300	-5.79	.03	3.01	.43	4.14
325	-5.34	.03	3.43	.37	4.72
350	-4.86	.03	3.44	.45	4.73
375	-4.28	.05	3.34	.65	4.60
400	-3.53	.07	3.22	.95	4.43
425	-2.81	.04	4.12	.56	5.68
450	-2.20	.09	3.32	1.22	4.57
475	-1.73	.10	3.79	1.33	5.22
500	-1.09	.06	2.37	.79	3.24
525	-.39	.02	1.04	.26	1.39
550	.01	.02	2.27	.30	3.10
575	.41	.02	2.74	.31	3.76
600	.94	.01	3.04	.08	4.18
625	1.69	.03	3.19	.35	4.39
650	2.46	.01	2.82	.19	3.87
675	3.20	.02	3.07	.26	4.22
700	3.94	.02	2.88	.26	3.95
725	4.60		3.38		4.65

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

75 5 11
76 5 8
77 5 18
80 5 15

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE,
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO. 199 DRAKE E-78

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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76 DEGREES 27.3 MINUTES NORTH
108 DEGREES 29.4 MINUTES WEST

76 DEGRES 27.3 MINUTES NORD
108 DEGRES 29.4 MINUTES OUEST

ELEVATION 2 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM

RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARTHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
25	-13.36	.10	7.93	1.06	3.45
50	-11.14	.03	5.77	.40	2.51
75	-9.06	.10	6.27	1.16	2.73
100	-6.78	.15	6.26	1.72	2.72
125	-4.41	.21	5.43	2.42	2.36
150	-1.92	.17	3.83	1.92	1.66
175	.36	.12	3.21	1.42	1.39
200	2.44	.12	2.91	1.36	1.26
225	3.95	.07	2.28	.83	.98
250	5.16	.07	2.33	.76	1.00

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

74 8 5
75 5 6
76 5 17
77 5 17
79 5 27

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE.
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO. 200 HECLA I-69

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

76 DEGREES 18.7 MINUTES NORTH
110 DEGREES 23.3 MINUTES WEST

76 DEGRES 18.7 MINUTES NORD
110 DEGRES 23.3 MINUTES OUEST

ELEVATION 2 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM

RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARTHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
50	-10.78	.13	1.59	2.91	2.79
75	-7.39	.03	-1.55	.79	-2.89
100	-4.75	.02	2.64	.45	4.68
125	-1.63	.02	-5.26	.51	-9.60
150	.61	.05	3.02	1.12	5.37
175	2.54	.05	1.18	1.11	2.05
200	4.07	.01	-.02	.25	-.18
225	5.44	.00	-.28	.03	-.60
250	6.87	.02	-1.75	.46	-3.25
275	8.12	.10	-.56	2.30	-1.10
300	9.01	.05	2.18	1.20	3.86
325	10.16	.06	-.38	1.24	-.78
350	11.08	.02	-1.27	.54	-2.38
375	11.80	.03	-1.82	.61	-3.39
400	12.40	.04	-1.99	.79	-3.69
425	13.00	.02	-2.31	.47	-4.27
450	13.76	.06	-1.83	1.44	-3.40
475	14.91	.03	-5.99	.61	
500	15.15	.01	-.53	.21	-1.05
525	15.68	.04	.36	.82	.56
550	16.56	.03	-3.01	.58	-5.53
575	17.00	.01	-2.15	.21	-3.99
600	17.36	.02	-1.52	.50	-2.85
625	17.72	.02	-.99	.48	-1.88
650	18.20	.02	-1.67	.51	-3.11

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

76 5 17
77 5 17
80 5 12

DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE,
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO. 253 TEDJI LAKE K-24
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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67 DEGREES 43.6 MINUTES NORTH
126 DEGREES 49.9 MINUTES WEST

67 DEGRES 43.6 MINUTES NORD
126 DEGRES 49.9 MINUTES OUEST

ELEVATION 343 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM

RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARTHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
25	-3.65		61.44		77.37
50	-2.75		27.07		34.05
75	-2.07	.03	.95	.81	1.14
100	-1.98	.01	1.83	.22	2.24
125	-1.79	.00	.46	.10	.52
150	-1.63	.00	.66	.09	.77
175	-1.50	.00	.40	.09	.44
200	-1.38	.00	.22	.09	.22
225	-1.23	.00	-.34	.05	-.49
250	-1.09	.01	-.49	.15	-.68
275	-.95	.00	-.51	.07	-.71
300	-.82	.00	-.93	.06	-1.24
325	-.71	.00	-1.30	.04	-1.70
350	-.56	.00	-1.52	.06	-1.98
375	-.43	.01	-1.62	.29	-2.10
400	-.32	.02	-1.59	.63	-2.06
425	-.17	.08	-1.09	2.00	-1.44
450	.01	.05	-.51	1.33	-.70
473	.25	.02	-1.75	.61	-2.27

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

76 4 30
78 7 20
80 7 27

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE.
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO. 256 SUTHERLAND 0-23
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

77 DEGREES 42.9 MINUTES NORTH
102 DEGREES 8.5 MINUTES WEST

77 DEGRES 42.9 MINUTES NORD
102 DEGRES 8.5 MINUTES OUEST

ELEVATION 21 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM

RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARITHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
25	-16.50		4.18		45.68
50	-15.28	.02	4.04	.05	44.14
75	-14.40	.02	3.95	.04	43.14
100	-13.49	.05	4.10	.12	44.81
125	-12.32	.09	4.57	.19	50.03
150	-10.48	.13	4.66	.29	51.05
175	-8.57	.12	4.28	.26	46.82
200	-6.60	.08	3.86	.17	42.15
225	-4.79	.08	3.40	.17	37.12
250	-3.43	.18	3.27	.40	35.65
275	-2.16	.32	3.20	.70	34.91
300	-.89	.41	2.91	.91	31.61
325	.50	.18	2.82	.41	30.64
350	1.92	.10	2.75	.22	29.90
375	3.34	.01	2.40	.03	25.98
400	4.17	.02	2.22	.03	24.06
425	4.66	.03	2.12	.06	22.89
450	5.10	.02	2.01	.05	21.73

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

75 5 14
76 5 14
78 5 26
80 5 16

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE,
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO. 258 PAT BAY A-72

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

77 DEGREES 21.0 MINUTES NORTH
105 DEGREES 27.0 MINUTES WEST

77 DEGRES 21.0 MINUTES NORD
105 DEGRES 27.0 MINUTES OUEST

ELEVATION 17 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM

RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARITHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
25	-16.21	.02	5.64	.18	9.65
50	-15.76	.03	3.78	.25	6.44
75	-15.33	.03	4.25	.24	7.25
100	-14.81	.02	2.94	.24	4.99
125	-14.32	.03	2.97	.26	5.03
150	-13.95	.05	4.73	.49	8.08

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

76 5 14
77 5 17
80 5 12

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE,
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO. 259 DRAKE D-73

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

76 DEGREES 22.1 MINUTES NORTH
108 DEGREES 29.5 MINUTES WEST

76 DEGRES 22.1 MINUTES NORD
108 DEGRES 29.5 MINUTES OUEST

ELEVATION 33 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM

RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARTHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
25	-15.75	.00	9.49	.16	4.40
50	-14.71	.04	6.25	.05	2.89
75	-13.65	.03	4.85	.03	2.23
100	-12.32	.01	4.21	.02	1.94
125	-10.92	.01	4.07	.01	1.87
150	-9.61	.03	3.85	.03	1.77
175	-8.12	.03	3.45	.03	1.58
200	-6.58	.05	3.11	.06	1.42
225	-4.68	.08	2.80	.10	1.28
250	-2.78	.16	2.62	.20	1.20
275	-.78	.09	2.39	.11	1.09
300	.78	.05	2.06	.06	.93
325	2.08	.05	1.93	.06	.87
350	3.33	.06	1.87	.07	.85
375	4.67	.03	1.68	.03	.76

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

75 5 16
76 5 23
78 5 26
79 5 27

DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE.
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO. 273 KANIK D-48

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

68 DEGREES 57.2 MINUTES NORTH
133 DEGREES 27.5 MINUTES WEST

68 DEGRES 57.2 MINUTES NORD
133 DEGRES 27.5 MINUTES OUEST

ELEVATION 31 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM

RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARITHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
50	-7.61	.18	12.27	.82	34.14
75	-6.96	.13	8.81	.56	24.49
100	-6.81	.13	7.92	.59	21.99
125	-6.41	.12	7.89	.53	21.92
150	-5.75	.09	6.47	.38	17.95
175	-5.25	.08	7.09	.35	19.68
200	-4.21	.04	5.51	.18	15.26
225	-3.68	.09	5.63	.40	15.60
250	-3.24	.10	6.30	.42	17.47
275	-2.44	.12	4.51	.51	12.46

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

76 10 20
77 3 12
77 8 14
78 3 17
78 7 16
79 7 19

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE.
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO.
268 TAGLU D-43
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 22.3 MINUTES NORTH
134 DEGREES 56.8 MINUTES WEST

69 DEGRES 22.3 MINUTES NORD
134 DEGRES 56.8 MINUTES OUEST

ELEVATION 1 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM

RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARITHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
25	-5.84	.18	-7.21	2.88	
50	-5.63	.13	13.41	2.03	32.22
75	-4.90	.19	17.80	3.08	42.79
100	-4.14	.02	12.64	.37	30.35
125	-3.64	.02	10.23	.37	24.54
150	-3.29	.03	10.77	.53	25.85
175	-3.03	.08	13.93	1.27	33.46
200	-2.80	.12	18.52	1.97	44.54
225	-2.61	.11	20.35	1.76	48.94
250	-2.39	.09	18.56	1.47	44.63
275	-2.19	.07	16.30	1.06	39.18
300	-2.02	.05	13.34	.78	32.04
325	-2.01	.03	12.73	.44	30.57
350	-1.86	.14	9.51	2.23	22.81
375	-1.81	.12	8.47	1.98	20.29
400	-1.66	.02	6.73	.28	16.12
425	-1.56	.03	7.40	.54	17.71
450	-1.38	.04	5.48	.66	13.10
475	-1.17	.06	3.66	.98	8.69

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

76 4 29
76 7 7
77 3 10
78 7 18
80 7 26

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE.
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO.
269 TAGLU D-55
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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69 DEGREES 24.2 MINUTES NORTH
134 DEGREES 59.6 MINUTES WEST

69 DEGRES 24.2 MINUTES NORD
134 DEGRES 59.6 MINUTES OUEST

ELEVATION 1 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM

RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARITHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
50	-3.33	1.00	7.45	15.58	20.87
75	-2.75	.08	4.08	1.27	11.38
100	-1.54	.06	.78	.92	2.06
125	-1.20	.08	1.13	1.23	3.05
150	-1.25	.06	3.94	.86	10.99
175	-1.25	.06	5.73	.96	16.02
200	-1.37	.08	5.27	1.25	14.74
225	-1.29	.05	2.51	.72	6.94
250	-1.33	.03	2.46	.42	6.81
275	-1.23	.05	2.15	.78	5.92
300	-1.31	.06	5.23	.91	14.62
325	-1.30	.05	6.20	.80	17.36
350	-1.18	.03	3.21	.40	8.91

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

75 7 26.
76 4 23
76 7 7
77 3 10
78 7 18
80 7 26

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE,
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO. 272 PARSONS L-43
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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68 DEGREES 52.6 MINUTES NORTH
133 DEGREES 41.9 MINUTES WEST

68 DEGRES 52.6 MINUTES NORD
133 DEGRES 41.9 MINUTES OUEST

ELEVATION 49 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM

RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARITHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
25	-6.26	.53	5.76	8.17	6.29
50	-6.54	.20	20.73	1.44	30.03
75	-5.66	.14	19.25	.98	27.87
100	-4.99	.30	18.54	2.19	26.99
125	-4.26	.23	15.47	1.63	22.39
150	-3.16	.19	11.64	1.38	16.83
175	-2.37	.19	8.71	1.37	12.57
200	-1.66	.20	6.03	1.46	8.69
225	-1.13	.13	3.86	.92	5.54
250	-.78	.06	2.71	.41	3.87
275	-.39	.05	2.04	.36	3.76
300	.12	.08	7.52	.55	10.84
325	.86	.05	8.00	.40	11.54
350	1.63	.04	7.63	.30	11.00
375	2.35	.04	7.65	.32	11.04
400	3.14	.04	7.58	.31	10.93
425	3.95	.05	7.30	.37	10.53
450	4.88	.05	7.44	.35	10.74
475	5.68	.04	6.82	.32	9.83
500	6.38	.04	6.94	.31	10.01
525	7.36	.05	6.72	.33	9.69
550	8.34	.04	6.67	.24	9.62
575	9.16	.02	6.10	.15	8.79
600	9.87	.03	6.05	.22	8.71
625	10.35		10.85		15.64
650	11.08		10.51		15.19
675	11.79		9.43		14.20
700	12.45		11.81		17.07
725	13.23		14.23		20.59
750	14.22		11.87		17.16

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

76 7 10
76 10 20
77 3 12
77 8 14
78 3 17
78 7 15
79 7 10
80 7 26

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE.
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO. 267 TAGLU C-42
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 21.0 MINUTES NORTH
134 DEGREES 56.6 MINUTES WEST

69 DEGRES 21.0 MINUTES NORD
134 DEGRES 56.6 MINUTES OUEST

ELEVATION 2 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM

RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARTHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
25	-1.97		20.57		
50	-.23	1.21	-4.36	14.62	
75	-.88	.08	1.85	.93	6.32
100	-.94	.07	1.43	.84	4.84
125	-.54	.02	2.32	.28	7.95
150	-.66	.02	2.24	.29	7.68
175	-.69	.02	2.59	.25	8.90
200	-.74	.04	2.72	.50	9.36
225	-.73	.07	1.72	.89	5.87
250	-.98	.06	2.81	.76	9.63
275	-.96	.04	3.76	.51	13.00
300	-.99	.07	4.43	.89	15.34
325	-1.11	.05	5.09	.55	17.69
350	-1.28	.10	5.27	1.20	18.31
375	-1.33	.02	5.83	.27	20.28
400	-1.33	.03	6.62	.34	23.04
425	-1.22	.02	4.31	.27	14.96
450	-1.19	.04	3.12	.49	10.78
475	-1.14	.02	2.72	.23	9.36
500	-1.02	.02	1.50	.20	5.09
525	-.76	.01	-.62	.09	-2.35
550	-.49		-1.11		-4.07

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

75 7 26
76 4 23
76 7 7
77 3 10
78 7 18
80 7 26

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE,
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO. 274 SIKU C-11
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 0.0 MINUTES NORTH — 69 DEGRES 0.0 MINUTES NORD
133 DEGREES 33.8 MINUTES WEST — 133 DEGRES 33.8 MINUTES OUEST

ELEVATION 58 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM — RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARTHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
25	-4.91	.65	16.68	4.19	27.78
50	-5.07	.39	18.88	2.70	31.47
75	-5.28	.28	14.39	1.88	23.97
100	-4.94	.01	6.53	.07	10.83
125	-4.81	.05	6.67	.33	11.06
150	-4.51	.02	5.34	.13	8.84
175	-4.42	.06	8.56	.43	14.22
200	-3.97	.02	9.75	.14	16.21
225	-3.30	.06	9.34	.42	15.53
250	-2.62	.13	8.50	.86	14.12
275	-1.87	.25	6.66	1.70	11.05
300	-1.29	.20	4.36	1.38	7.20
325	-.77	.13	2.18	.89	3.57
350	-.33	.07	.37	.49	.53
375	-.09	.03	2.41	.22	3.95
400	.70	.06	4.13	.39	6.81
425	1.56	.10	4.24	.66	7.00
450	2.57	.04	3.71	.27	6.12
475	3.31	.03	3.60	.18	5.93
500	4.02	.01	3.25	.05	5.35

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS — DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

76 10 21
77 3 14
77 8 14
78 7 16
80 7 29

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE,
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO. 275 PARSONS N-17

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

68 DEGREES 56.9 MINUTES NORTH
133 DEGREES 34.0 MINUTES WEST

68 DEGRES 56.9 MINUTES NORD
133 DEGRES 34.0 MINUTES OUEST

ELEVATION 52 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM

RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARTHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
50	-1.79	.25	2.14	.94	6.63
75	-2.64	.60	5.09	2.29	16.03
100	-2.00	.08	4.49	.31	14.11
125	-1.26	.07	1.68	.25	5.18
150	-3.62	.37	7.46	1.41	23.56
175	-3.27	.33	6.81	1.23	21.47
200	-2.66	.30	5.54	1.13	17.43
225	-1.94	.23	3.86	.89	12.10
250	-1.28	.19	2.23	.70	6.94
275	-.89	.10	1.24	.38	3.78
300	-.55	.03	.47	.12	1.36
325	-.30	.01	.15	.05	.34
350	-.09	.05	1.93	.19	5.98
375	.53	.08	3.75	.29	11.77
400	1.35	.06	3.87	.22	12.14
425	2.10	.04	4.08	.14	12.80
450	2.82	.07	4.00	.28	12.56
475	3.63	.05	3.64	.17	11.41
500	4.32	.04	3.59	.15	11.27
525	5.04	.04	3.40	.09	10.66
550	5.78	.04	3.29	.08	10.31
575	6.37	.03	3.19	.06	9.99
600	7.10	.04	3.22	.09	10.06

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

76 10 20
77 3 12
77 8 14
78 3 17
78 7 15
79 7 19

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE,
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO. 277 SIKU A-12

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 1.0 MINUTES NORTH
133 DEGREES 32.5 MINUTES WEST

69 DEGRES 1.0 MINUTES NORD
133 DEGRES 32.5 MINUTES OUEST

ELEVATION 56 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM

RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARITHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
25	-7.15		70.64		85.10
50	-5.38	.15	28.87	2.49	34.74
75	-4.98	.18	20.51	2.22	24.66
100	-4.87	.26	25.66	3.08	30.88
125	-4.62	.27	25.55	3.26	30.74
150	-3.91	.11	12.48	1.28	14.99
175	-3.45	.04	8.91	.44	10.68
200	-3.13	.05	11.56	.56	13.88
225	-2.69	.05	13.57	.61	16.29
250	-1.99	.09	11.12	1.13	13.35
275	-1.50	.12	8.62	1.42	10.33
300	-.99	.07	4.22	.80	5.03
325	-.48	.02	.76	.22	.85
350	-.17	.15	1.04	1.79	1.20
375	.27	.02	8.61	.21	10.32
400	1.13	.03	7.97	.42	9.56
425	1.84	.05	7.16	.57	8.57
450	2.62		5.58		6.66
475	3.31		4.62		5.51

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

77 3 14
77 8 14
78 7 16
79 7 19
80 7 26

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE.
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO. 279 PARSONS L-37

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

68 DEGREES 56.7 MINUTES NORTH
133 DEGREES 39.9 MINUTES WEST

68 DEGRES 56.7 MINUTES NORD
133 DEGRES 39.9 MINUTES OUEST

ELEVATION 38 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM

RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARITHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
25	-6.04	.64	-.97	3.53	-2.78
50	-5.61	.07	5.47	.43	14.71
75	-4.89	.03	9.36	.20	25.25
100	-4.18	.07	10.36	.43	27.96
125	-3.30	.02	6.44	.09	17.33
150	-2.87	.02	7.39	.12	19.91
175	-2.43	.06	7.91	.34	21.32
200	-1.83	.08	6.31	.50	16.99
225	-1.43	.16	5.08	.94	13.65
250	-1.12	.07	3.19	.39	8.52
275	-.37	.01	.36	.07	.84

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

78 4 14
78 7 15
79 7 19
80 7 29

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE,
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO. 280 KUMAK E-58

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 17.5 MINUTES NORTH
135 DEGREES 14.9 MINUTES WEST

69 DEGRES 17.5 MINUTES NORD
135 DEGRES 14.9 MINUTES OUEST

ELEVATION 2 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM

RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARITHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
25	-3.44	.00	4.06	.00	10.99
50	-2.08	.11	1.63	.23	4.32
75	-.96	.07	.72	.14	1.85
100	-.58	.05	.39	.09	.94
125	-.55	.06	.35	.13	.84
150	-1.05	.03	.23	.07	.49
175	-.78	.05	.41	.10	.99
200	-.80	.02	.81	.04	2.07
225	-.88	.03	1.34	.07	3.54
250	-.46	.04	1.66	.08	4.42
275	.03	.04	2.02	.07	5.39
300	.58	.03	1.99	.05	5.31
325	1.11	.04	1.90	.08	5.06
350	1.61	.05	1.84	.09	4.90
375	2.03	.05	1.89	.10	5.04
400	2.58	.04	1.81	.08	4.82
425	3.06	.05	1.73	.09	4.60
450	3.62	.06	1.63	.12	4.32
475	4.18	.03	1.48	.06	3.92

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

77 8 14
78 3 17
78 7 21
80 7 28

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE,
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO. 281 SADENE D-02

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

68 DEGREES 51.0 MINUTES NORTH
126 DEGREES 47.3 MINUTES WEST

68 DEGRES 51.0 MINUTES NORD
126 DEGRES 47.3 MINUTES OUEST

ELEVATION 233 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM

RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARTHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
75	-2.92		11.34		17.01
100	-2.66		9.36		14.02
125	-2.20		3.68		5.48
150	-1.83		2.98		4.41
175	-1.57		2.76		4.09
200	-1.32		2.33		3.44

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

78 7 20
80 7 27

DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE.
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO. 282 TAGLU N-43
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 22.8 MINUTES NORTH
134 DEGREES 56.3 MINUTES WEST

69 DEGRES 22.8 MINUTES NORD
134 DEGRES 56.3 MINUTES OUEST

ELEVATION 2 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM

RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARTHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
25	-4.73	.01	2.51	.03	.27
50	-3.65	.01	2.78	.01	.30
75	-2.55	.01	2.06	.04	.22
100	-1.79	.01	2.01	.03	.21
125	-1.23	.01	1.44	.01	.15
150	-1.03	.00	1.44	.01	.15

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

77 4 16
77 8 14
78 7 18
80 7 26

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE,
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO. 284 SIKU E-21

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES .5 MINUTES NORTH
133 DEGREES 36.9 MINUTES WEST

69 DEGRES .5 MINUTES NORD
133 DEGRES 36.9 MINUTES OUEST

ELEVATION 55 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM

RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARITHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
25	-6.90		24.98		44.40
50	-5.86	.07	14.99	.53	26.61
75	-5.13	.09	6.12	.64	10.81
100	-4.94	.03	5.69	.19	10.04
125	-4.78	.05	6.19	.34	10.94
150	-4.45	.01	4.32	.10	7.60
175	-4.18	.02	4.89	.11	8.63
200	-3.81	.02	5.95	.13	10.50
225	-3.40	.03	7.07	.19	12.49
250	-3.03	.03	8.44	.26	14.94
275	-2.96	.08	11.82	.58	20.96
300	-2.24	.02	7.84	.17	13.88
325	-1.52	.03	5.28	.21	9.31
350	-.89	.04	3.07	.32	5.37
375	-.27	.09	.64	.69	1.05
400	.10	.02	3.65	.15	6.42
425	.77	.02	3.31	.14	5.81

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

78 4 14
78 7 16
79 7 10
80 7 26

DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE.
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO. 285 PARSONS D-20
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

68 DEGREES 59.2 MINUTES NORTH
133 DEGREES 34.4 MINUTES WEST

68 DEGRES 59.2 MINUTES NORD
133 DEGRES 34.4 MINUTES OUEST

ELEVATION 62 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM

RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARTHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
25	-2.64		46.74		21.75
50	-7.52	.38	165.87	19.65	77.23
75	-6.42	.05	85.55	2.69	39.82
100	-6.06	.01	90.89	.69	42.31
125	-5.92	.03	101.90	1.34	47.44
150	-5.42	.02	88.74	1.28	41.31
175	-4.51	.01	74.27	.54	34.57
200	-4.53	.07	112.42	3.82	52.34
225	-3.91	.05	121.71	2.69	56.66
250	-2.47	.40	79.18	20.98	36.85
275	-1.31	.22	33.73	11.55	15.69
300	-.82	.06	13.68	3.14	6.35
325	-.67	.00	8.34	.00	3.86
350	-.75	.03	39.60	1.62	18.42
375	.51	.05	37.06	2.56	17.24
400	1.13	.02	41.92	.99	19.50
425	1.89	.04	37.71	1.88	17.54
450	2.48	.01	41.71	.31	19.40
475	3.27	.04	40.08	1.89	18.65
500	4.00	.02	39.68	.94	18.46
525	4.66	.02	40.14	1.02	18.67
550	5.35	.01	41.23	.43	19.18
575	6.15	.01	37.68	.72	17.53
600	6.83	.02	38.48	.83	17.90
625	7.49	.03	39.95	1.39	18.58
650	8.24	.02	37.28	1.12	17.34
675	8.94		35.06	.20	16.31
700	9.54		32.09		14.92

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

78 7 16
79 7 10
80 7 29

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE.
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO. 286 BENT HORN F-72A
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

76 DEGREES 21.5 MINUTES NORTH
103 DEGREES 58.2 MINUTES WEST

76 DEGRES 21.5 MINUTES NORD
103 DEGRES 58.2 MINUTES OUEST

ELEVATION 43 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM

RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARTHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
25	-12.87		-13.42		
50	-14.80	.11	4.28	2.28	6.72
75	-14.55	.03	7.39	.59	11.67
100	-14.00	.01	7.40	.16	11.68
125	-12.98	.05	2.66	1.04	4.15
150	-12.41	.12	5.01	2.55	7.89
175	-11.70	.03	6.10	.67	9.61
200	-10.85	.08	5.57	1.76	8.78
225	-9.85	.01	-.90	.26	-1.51
250	-9.15	.01	.25	.14	.32
275	-8.59	.02	1.15	.41	1.74
300	-8.10	.03	3.04	.58	4.75
325	-7.39	.01	2.52	.15	3.92
350	-6.66	.03	1.86	.71	2.88
375	-5.99	.02	-.15	.34	-.33
400	-5.64	.02	3.02	.36	4.73
425	-5.26	.05	5.08	1.08	7.99
450	-4.89	.09	7.10	1.83	11.20
475	-4.50	.06	9.36	1.35	14.79
500	-4.09	.14	10.62	3.07	16.79
525	-3.51	.06	11.65	1.35	18.43
550	-3.12	.06	15.66	1.34	24.81
575	-2.55	.01	16.45	.21	26.05
600	-1.82		13.88		21.98
625	-.99		10.28		16.26
650	-.33		10.71		16.94
675	.40		10.49		16.58
700	1.08		9.01		14.24
725	1.64		7.40		11.68
750	2.06		7.84		12.38
775	2.50		7.48		11.80
800	2.87		10.08		15.94

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

78 5 25
79 5 27
80 5 16

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE,
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO.
287 TAGLU H-54
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 23.3 MINUTES NORTH
134 DEGREES 58.1 MINUTES WEST

69 DEGRES 23.3 MINUTES NORD
134 DEGRES 58.1 MINUTES OUEST

ELEVATION 1 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM

RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARTHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
50	-4.03		4.30		10.94
75	-1.99		-.90		-2.45
100	-1.37		1.79		4.47
125	-.42		-.83		-2.27
150	-.49		.43		.97
175	-.45		.36		.79
200	-.49		.30		.64
225	-.67		1.14		2.81
250	-.71		1.41		3.51
275	-.65		.95		2.32
300	-.71		.86		2.08
325	-.78		1.32		3.28
350	-.78		1.56		3.89
375	-.76		1.41		3.49
400	-.91		1.62		4.05
425	-.91		-.20		-.65
450	-.99		1.57		3.92
475	-.76		.99		2.42
500	-.90		4.52		11.51
525	-.22		4.87		12.43
550	.49		3.63		9.22
575	.87		5.07		12.92
600	1.53		4.90		12.49
625	2.13		5.07		12.92
650	2.62		5.93		15.15
675	2.78		9.13		23.39
700	1.94		19.31		49.60

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

78 7 26
79 7 10

DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE,
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO. 289 RED MOUNTAIN -1
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

60 DEGREES 59.6 MINUTES NORTH
133 DEGREES 45.3 MINUTES WEST

60 DEGRES 59.6 MINUTES NORD
133 DEGRES 45.3 MINUTES OUEST

ELEVATION 1503 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM

RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARTHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
50	1.28		.37		.17
75	1.47		.34		.15
100	1.74		.31		.14
125	2.05		.35		.16
150	2.70		.22		.09
175	3.22		.33		.15
200	3.72		.31		.14
225	4.21		.28		.12
250	4.71		.28		.12
275	5.24		.20		.08
300	5.75		.22		.09
325	6.27		.16		.06
350	6.78		.21		.09
375	7.29		.20		.08
400	7.82		.17		.07
425	8.36		.11		.04
450	8.87		.12		.04
475	9.28		.30		.13

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

79 7 29
80 8 11

DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE.
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO. 289 REO MOUNTAIN -4

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

60 DEGREES 59.6 MINUTES NORTH — 60 DEGRES 59.6 MINUTES NORD
133 DEGREES 44.7 MINUTES WEST — 133 DEGRES 44.7 MINUTES OUEST

ELEVATION 1414 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM — RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARTHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
25	2.83		-.66		-.86
50	2.47		-.22		-.33
75	2.11		.29		.29
100	2.77		.71		.80
125	2.74		.82		.93
150	3.07		.76		.85
175	4.43		-.03		-.12
200	4.06		.71		.80
225	4.88		.42		.45
250	5.71		.14		.11
275	5.93		.39		.42
300	6.04		.73		.82
325	6.94		.40		.43
350	7.08		.77		.87
375	8.09		.34		.35
400	7.98		.88		1.00
425	9.12		.37		.39
450	9.31		.67		.75
475	9.41		1.05		1.21
500	10.55		.53		.58
525	11.35		.34		.35
550	11.77		.45		.49
575	12.24		.53		.58
600	12.70		.58		.64

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS — DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

80 8 9
80 8 11

NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE.
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

EARTH PHYSICS BRANCH NO. 294 LAC CINQUANTE -2

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

62 DEGREES 35.3 MINUTES NORTH
98 DEGREES 38.5 MINUTES WEST

62 DEGRES 35.3 MINUTES NORD
98 DEGRES 38.5 MINUTES OUEST

ELEVATION 199 METRES

LOGARITHMIC RETURN TO EQUILIBRIUM

RETOUR A L'EQUILIBRE, SUIVANT UNE ECHELLE LOGARTHMIQUE

	Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
CABLE 288	5.9	-1.34	.31	4.30	1.57	.35
	11.7	-3.78	.02	1.50	.09	.12
	17.5	-3.82	.00	1.51	.01	.12
	23.3	-3.99	.01	1.30	.03	.10
	35.0	-4.40	.01	1.17	.04	.09
	46.7	-4.58	.01	.88	.03	.07
	58.4	-4.81	.01	.93	.05	.07
	70.0	-4.84	.01	.82	.05	.06
	81.7	-4.82	.01	.84	.06	.07
	93.4	-4.72	.01	.76	.06	.06
	105.1	-4.58	.01	.51	.04	.04
CABLE 289	116.7	-6.17		3.94		.32
	128.4	-5.83		2.31		.19
	140.1	-5.70		1.67		.13
	151.8	-5.56		1.51		.12
	163.4	-5.47		1.23		.10
	175.1	-5.28		1.01		.08
	186.8	-5.14		.95		.07
	198.5	-4.96		.93		.07
	210.1	-4.79		.84		.07
	221.8	-4.50		.77		.06
	233.5	-4.30		.68		.05

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

DIAGRAPHIES DE LA TEMPERATURE UTILISEES POUR CALCULER LE RETOUR A L'EQUILIBRE THERMIQUE

80 8 1
80 8 8
80 8 15
80 8 26

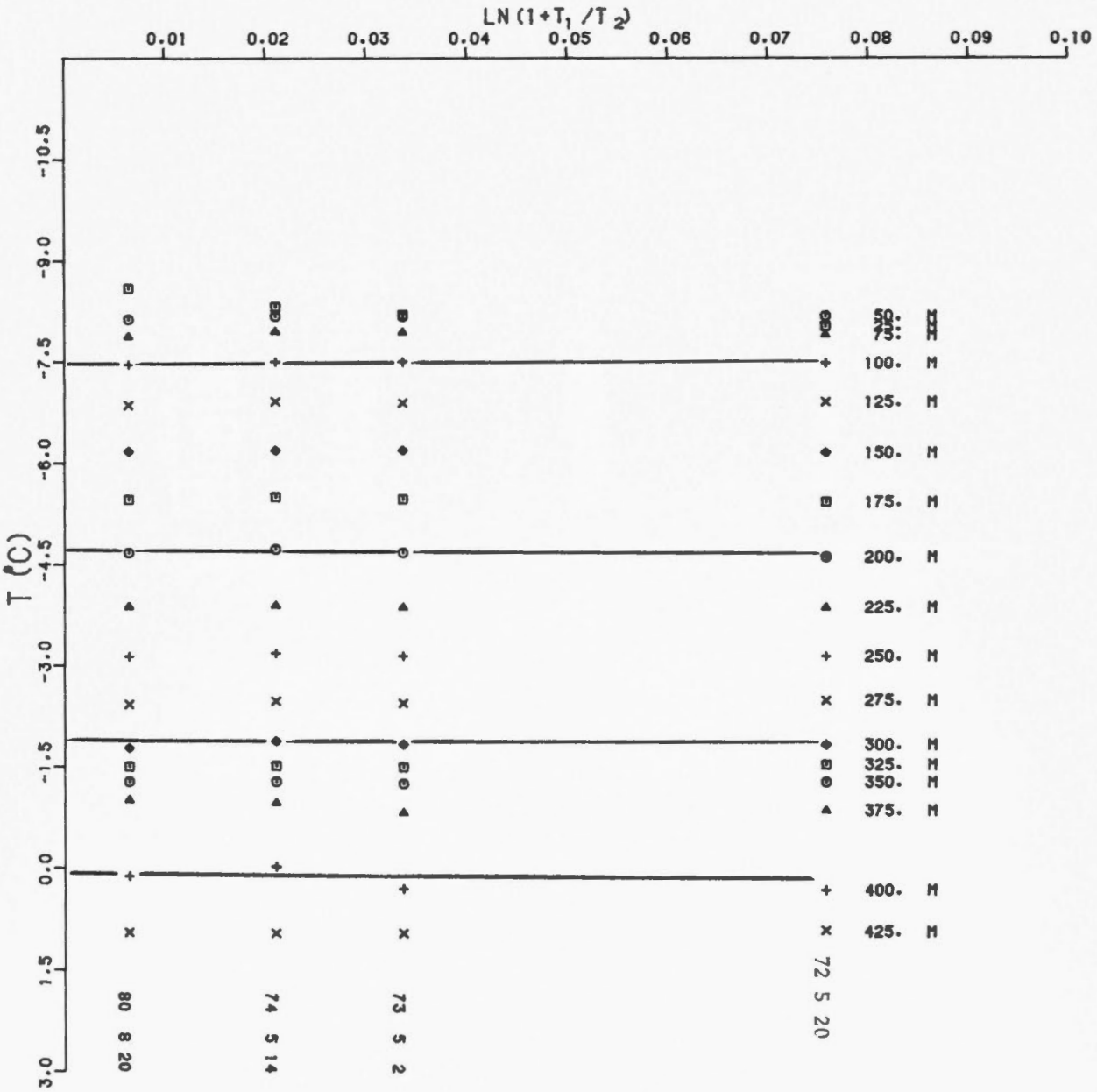
NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

REMARQUES...
1. T(EQ) = TEMPERATURE D'EQUILIBRE
   DELTA T(EQ) = L'ECART-TYPE
2. Q = EFFET DE LA SOURCE.
   DELTA Q = L'ECART-TYPE
3. TEMPS = LE TEMPS NECESSAIRE POUR ATTEINDRE DE NOUVEAU LA TEMPERATURE D'EQUILIBRE A 0.1 DEGRES PRES.

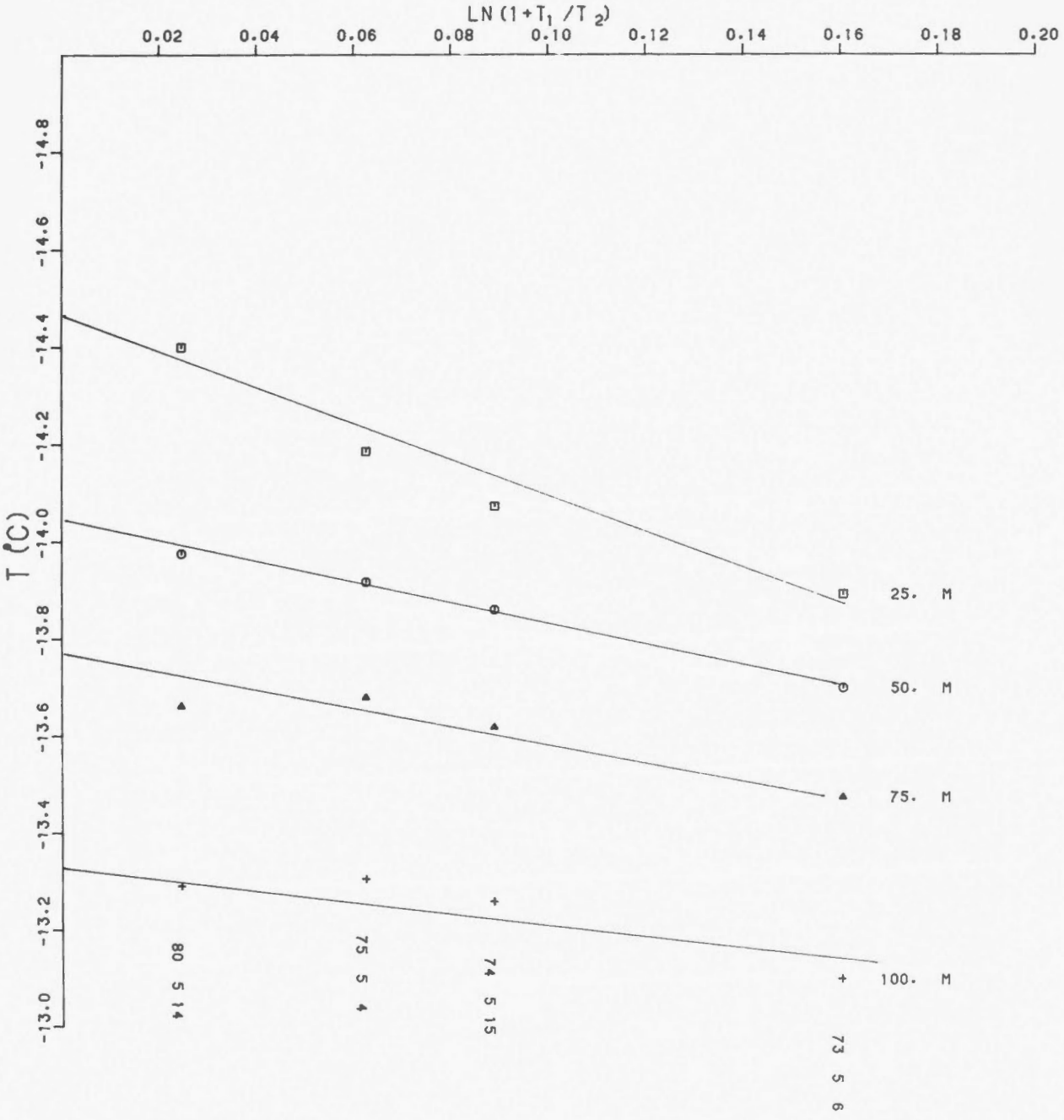
3.4 Graphs of the Return to Thermal Equilibrium

3.4 Graphiques indiquant le retour à l'équilibre thermique

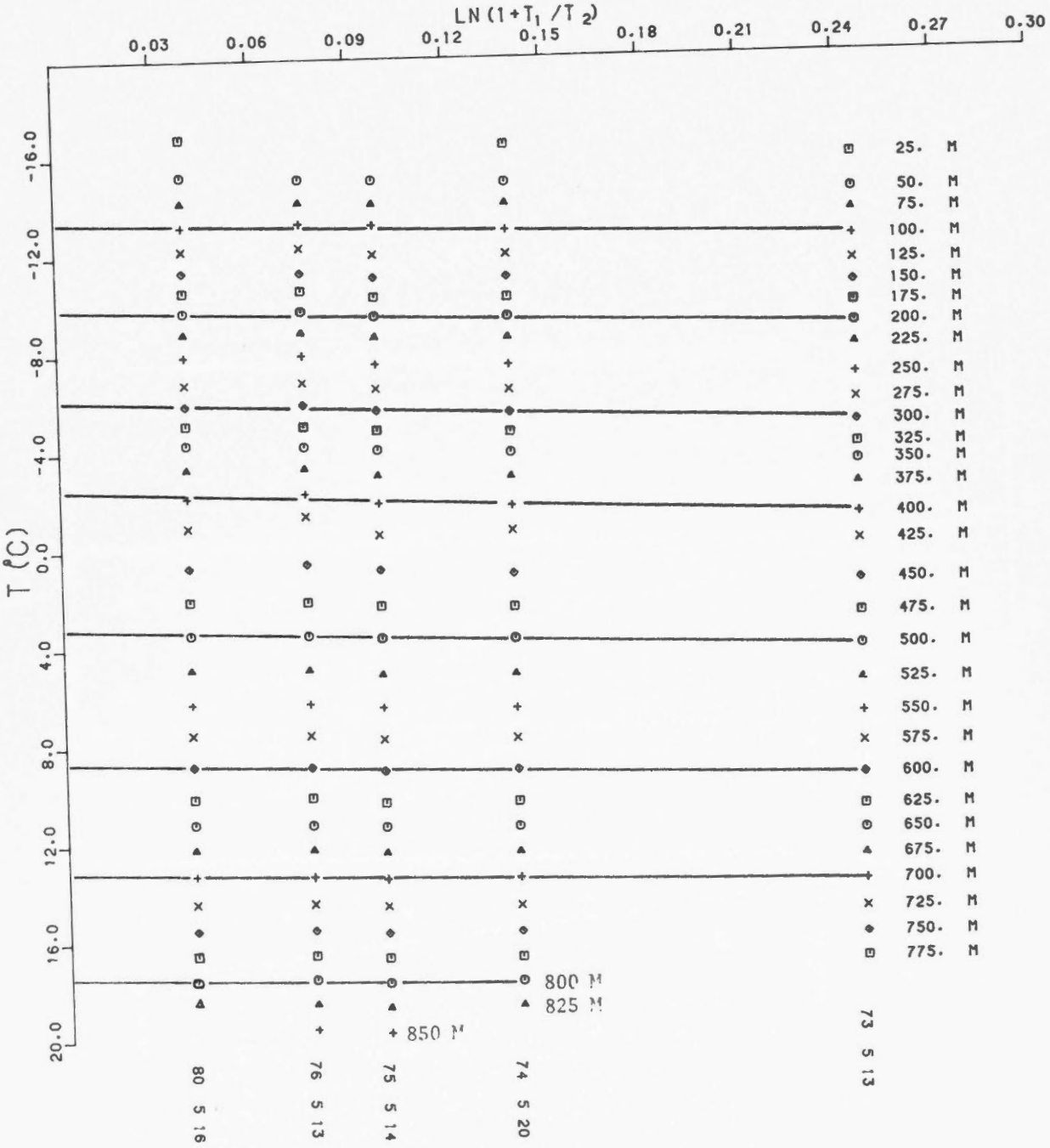
95 ROWLEY M-04



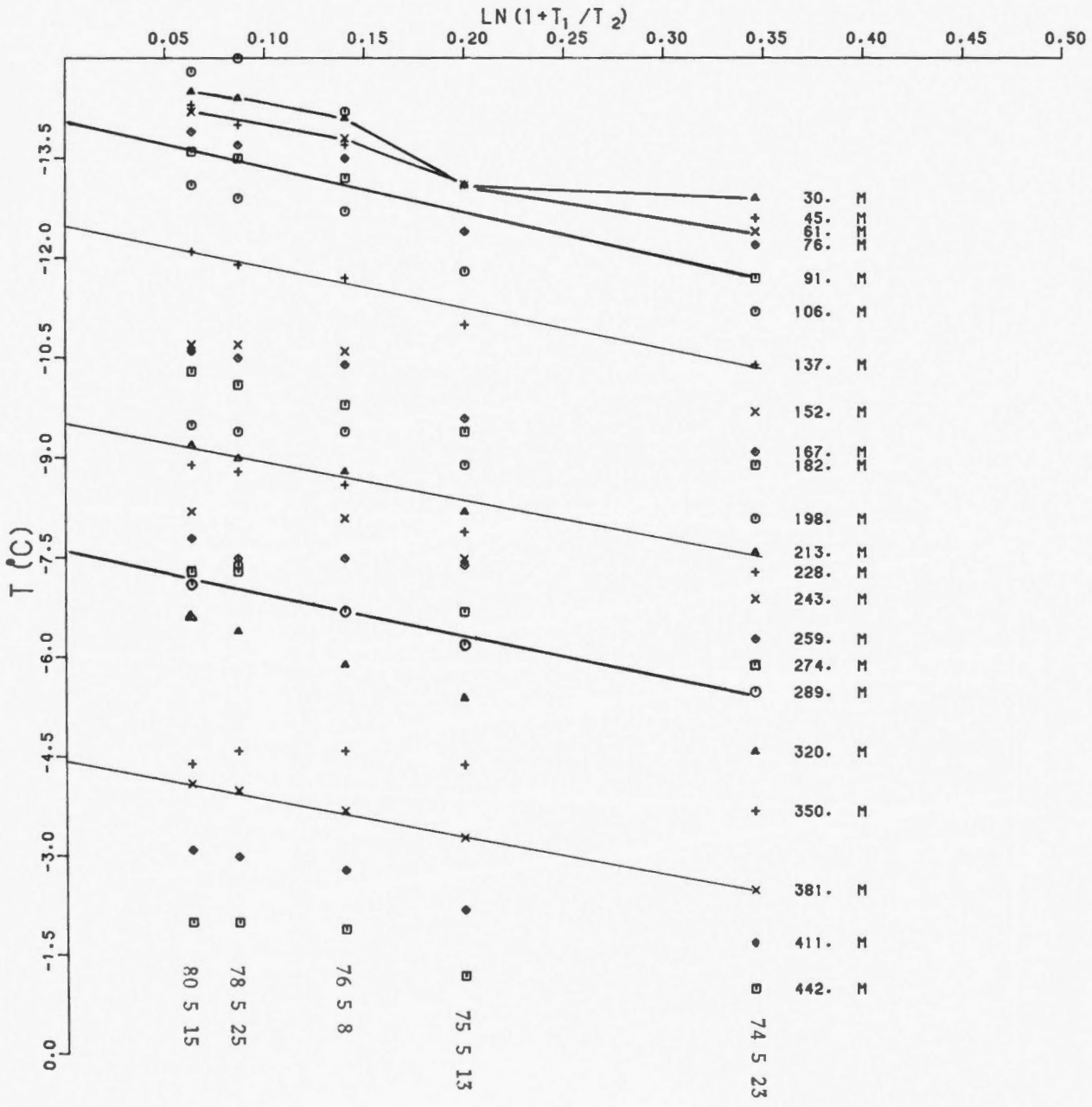
99 DEVON E-45


LN (1+T1 /T 2)
0.02
0.04
0.06
0.08
0.10
0.12
0.14
0.16
0.18
0.20
T (°C)
-13.0
-13.2
-13.4
-13.6
-13.8
-14.0
-14.2
-14.4
-14.6
-14.8
25. M
50. M
75. M
100. M
80 5 14
75 5 4
74 5 15
73 5 6

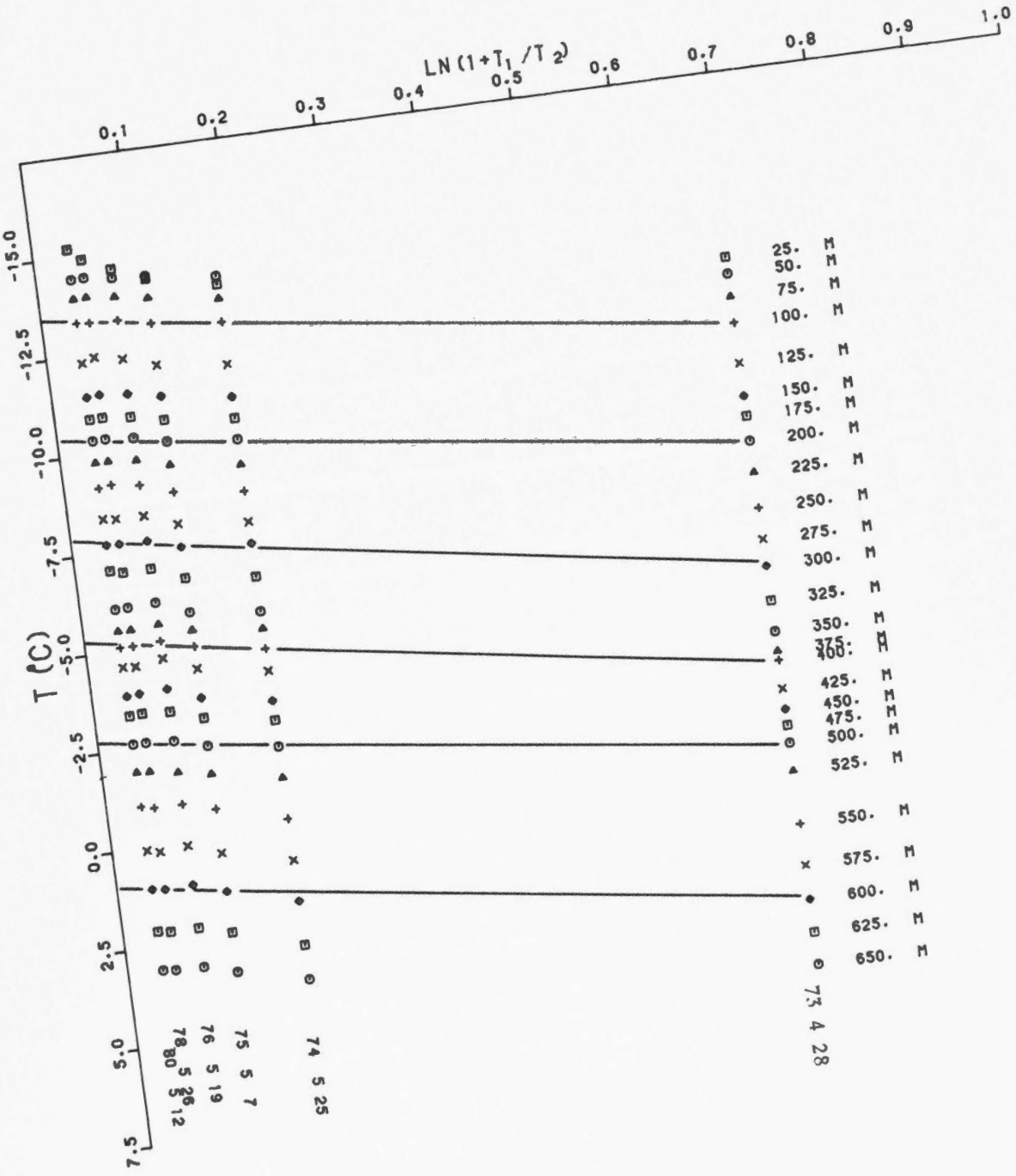
155 KRISTOFFER BAY B-06



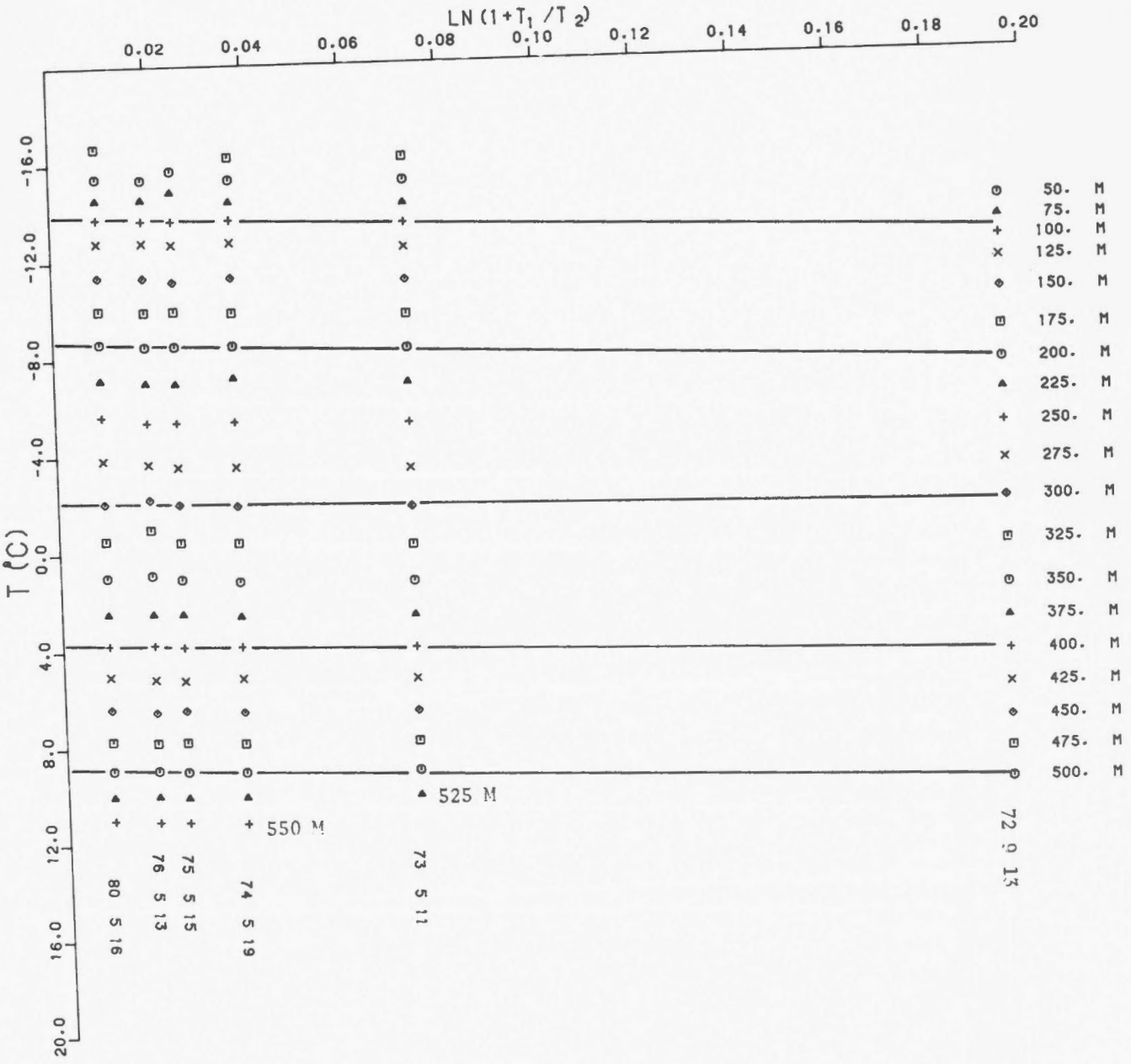
166 MOKKA A-02



168 DUNDAS C-80



170 THOR P-38


LN (1+T1 /T 2)
0.02
0.04
0.06
0.08
0.10
0.12
0.14
0.16
0.18
0.20
T (°C)
-16.0
-12.0
-8.0
-4.0
0.0
4.0
8.0
12.0
16.0
20.0
50. M
75. M
100. M
125. M
150. M
175. M
200. M
225. M
250. M
275. M
300. M
325. M
350. M
375. M
400. M
425. M
450. M
475. M
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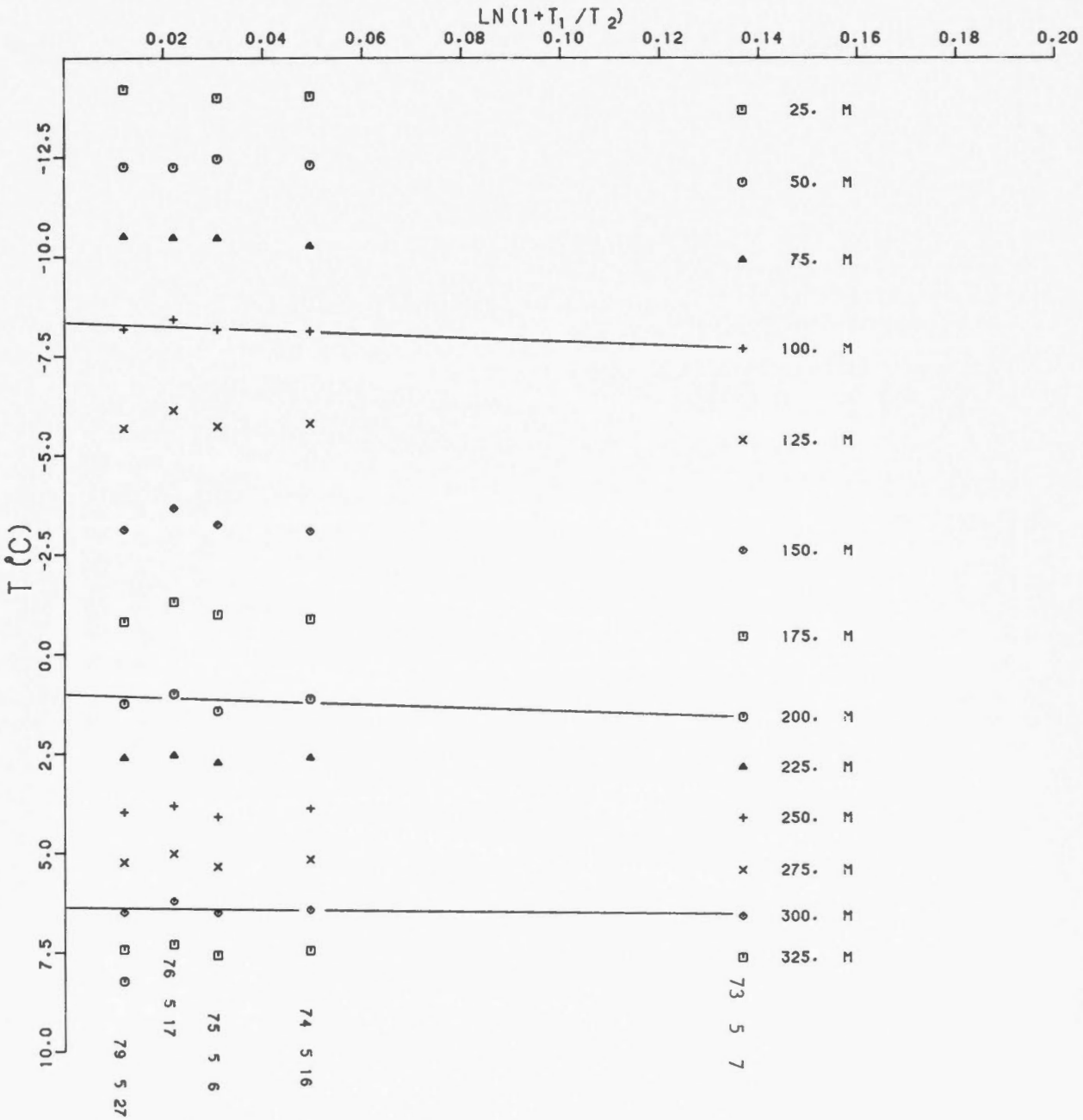
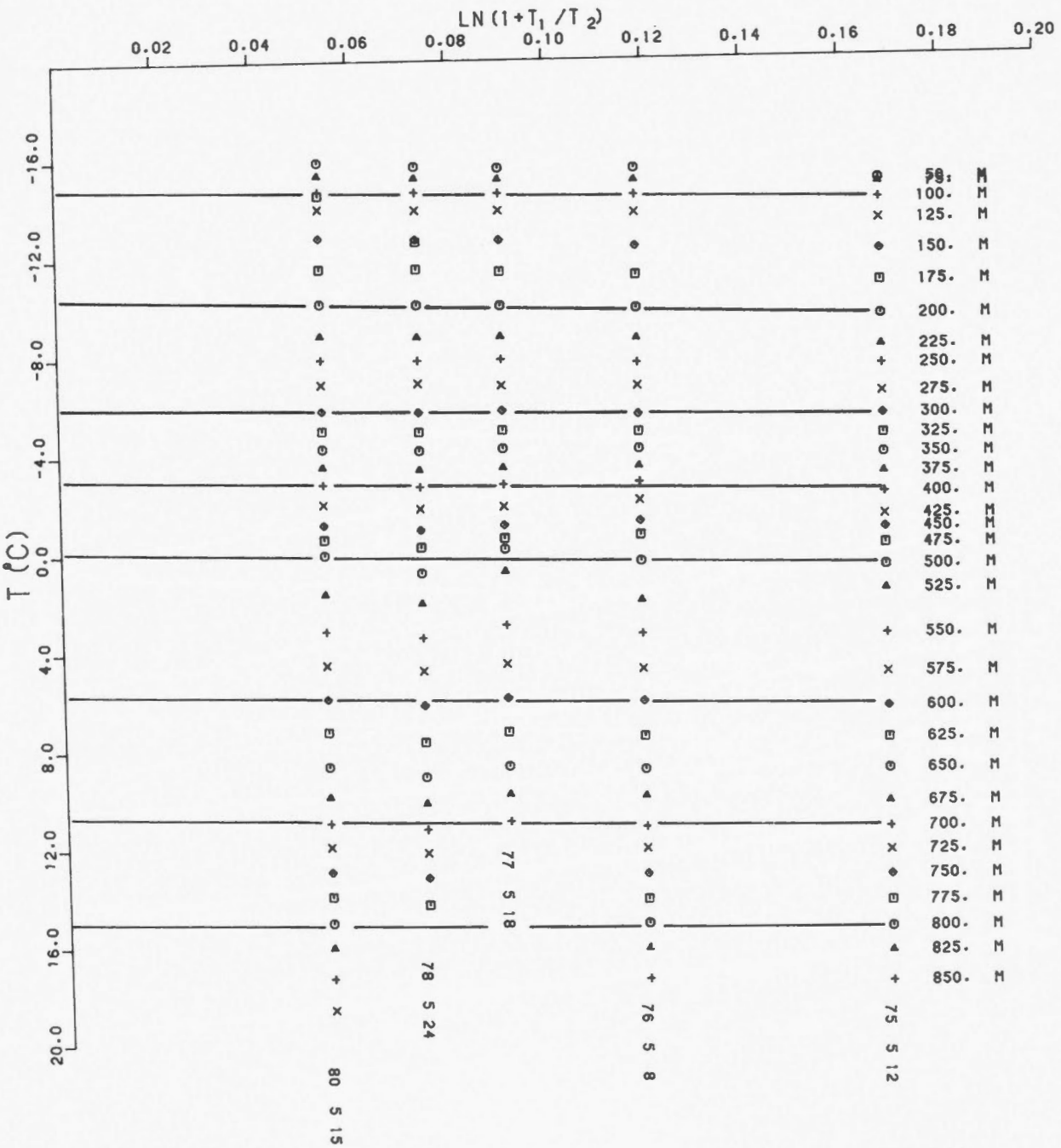
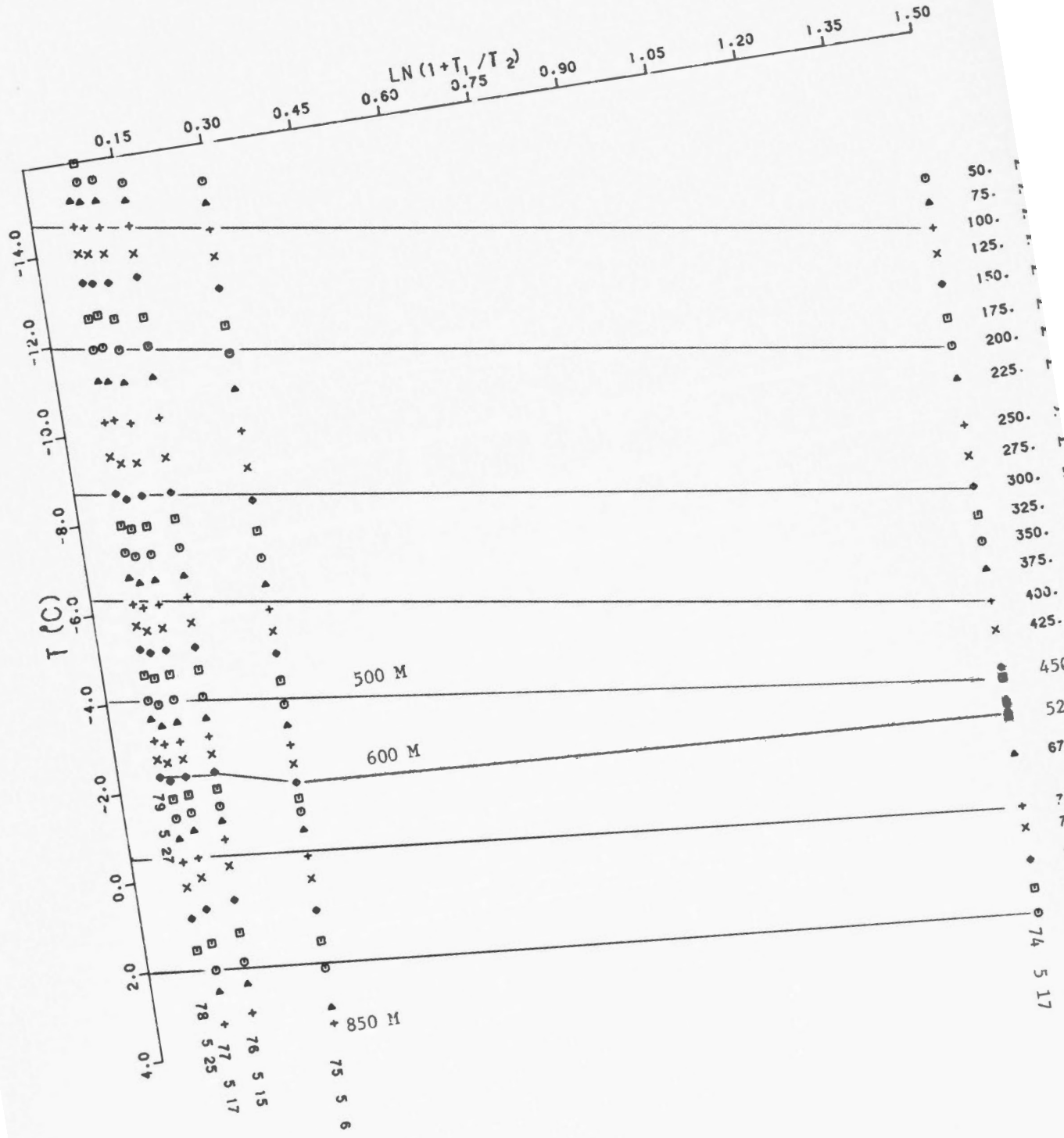
525 M
550 M
80 5 16
76 5 13
75 5 15
74 5 19
73 5 11
72 9 13

172 DRAKE B-44

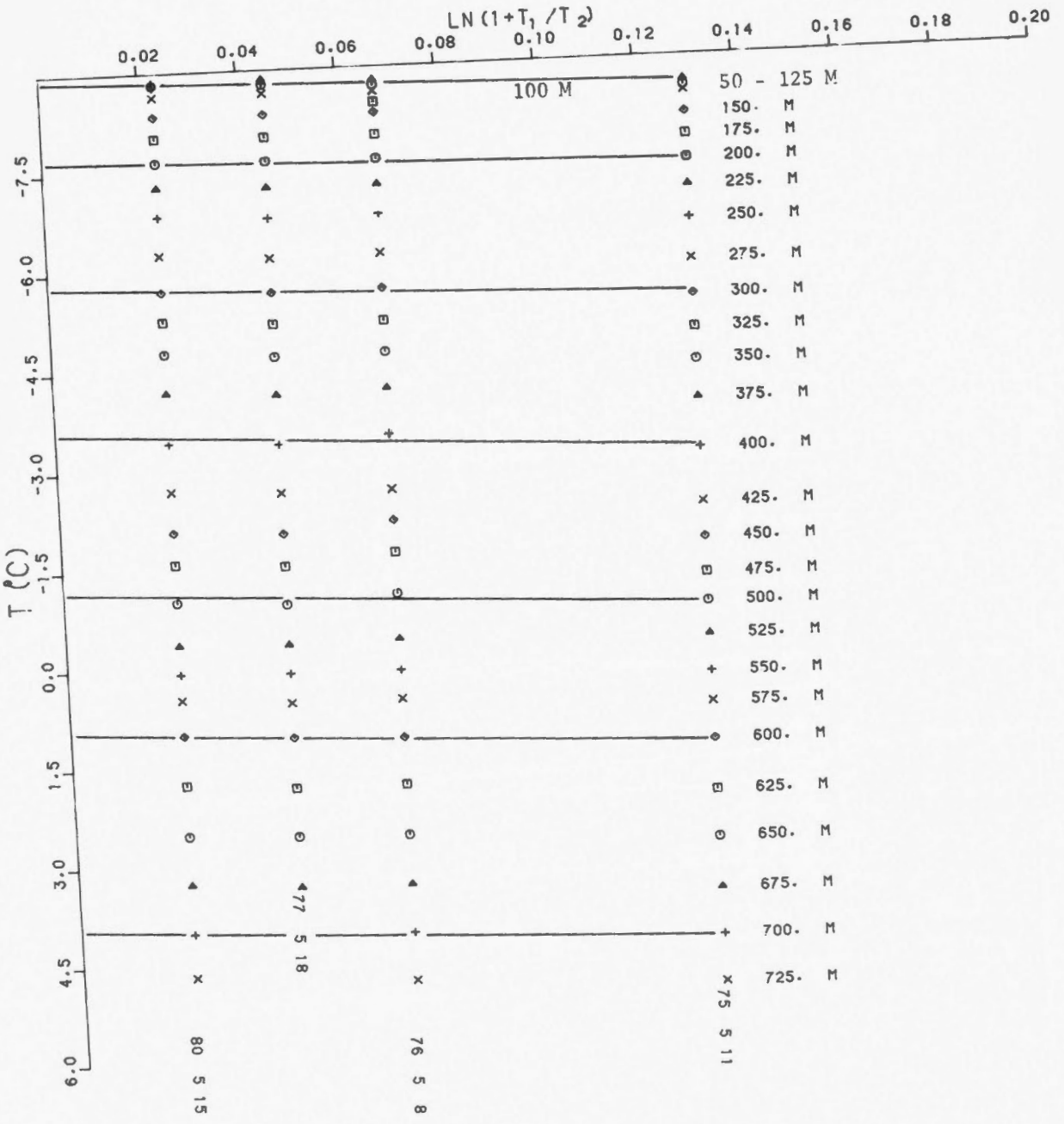



LN (1+T1 /T 2)
0.02
0.04
0.06
0.08
0.10
0.12
0.14
0.16
0.18
0.20
T (°C)
-16.0
-12.0
-8.0
-4.0
0.0
4.0
8.0
12.0
16.0
20.0
100. M
125. M
150. M
175. M
200. M
225. M
250. M
275. M
300. M
325. M
350. M
375. M
400. M
425. M
450. M
475. M
500. M
525. M
550. M
575. M
600. M
625. M
650. M
675. M
700. M
725. M
750. M
775. M
800. M
825. M
850. M
80 S 15
78 S 24
77 S 18
76 S 8
75 S 12

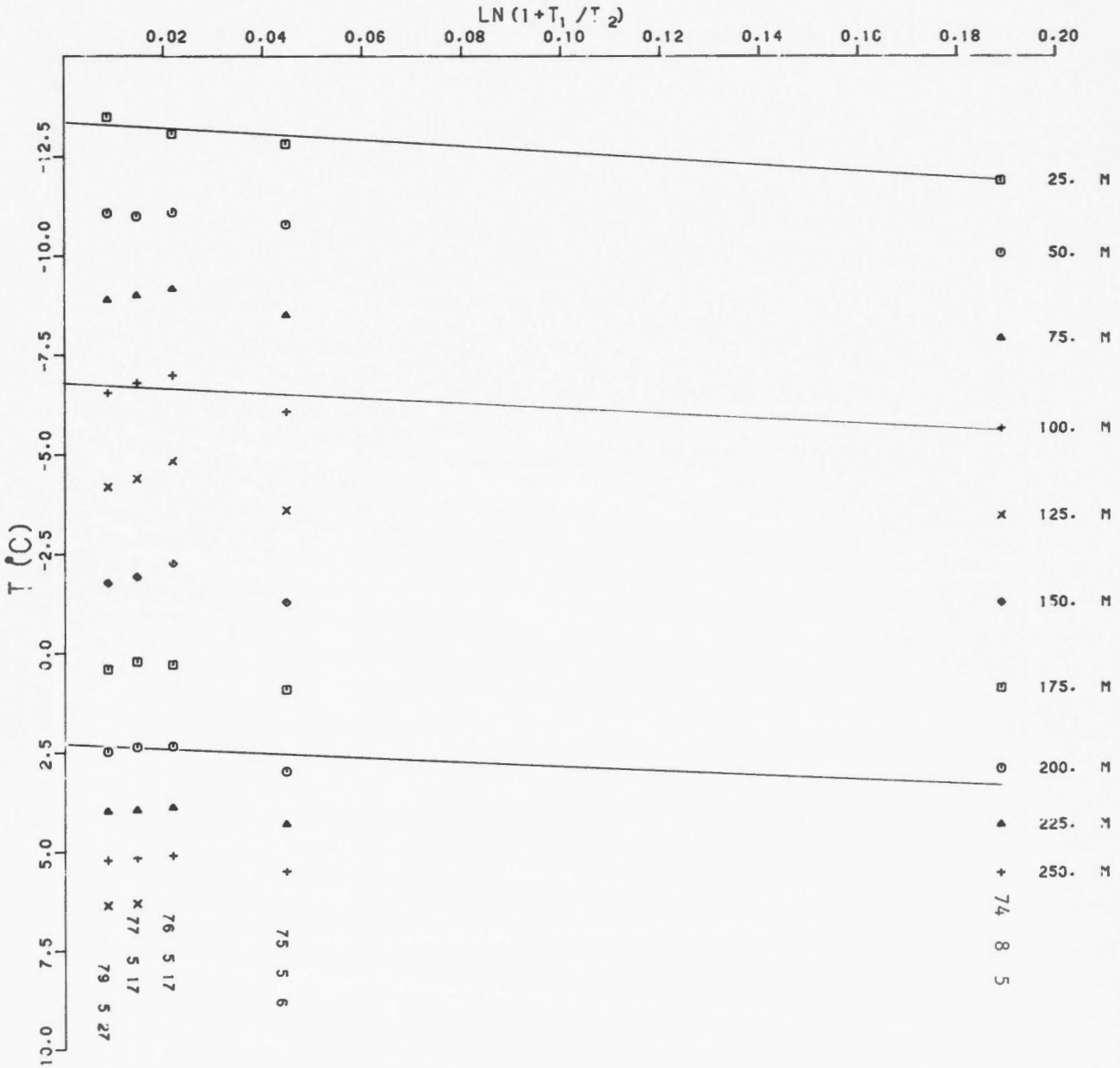
196 BENT HORN N-72



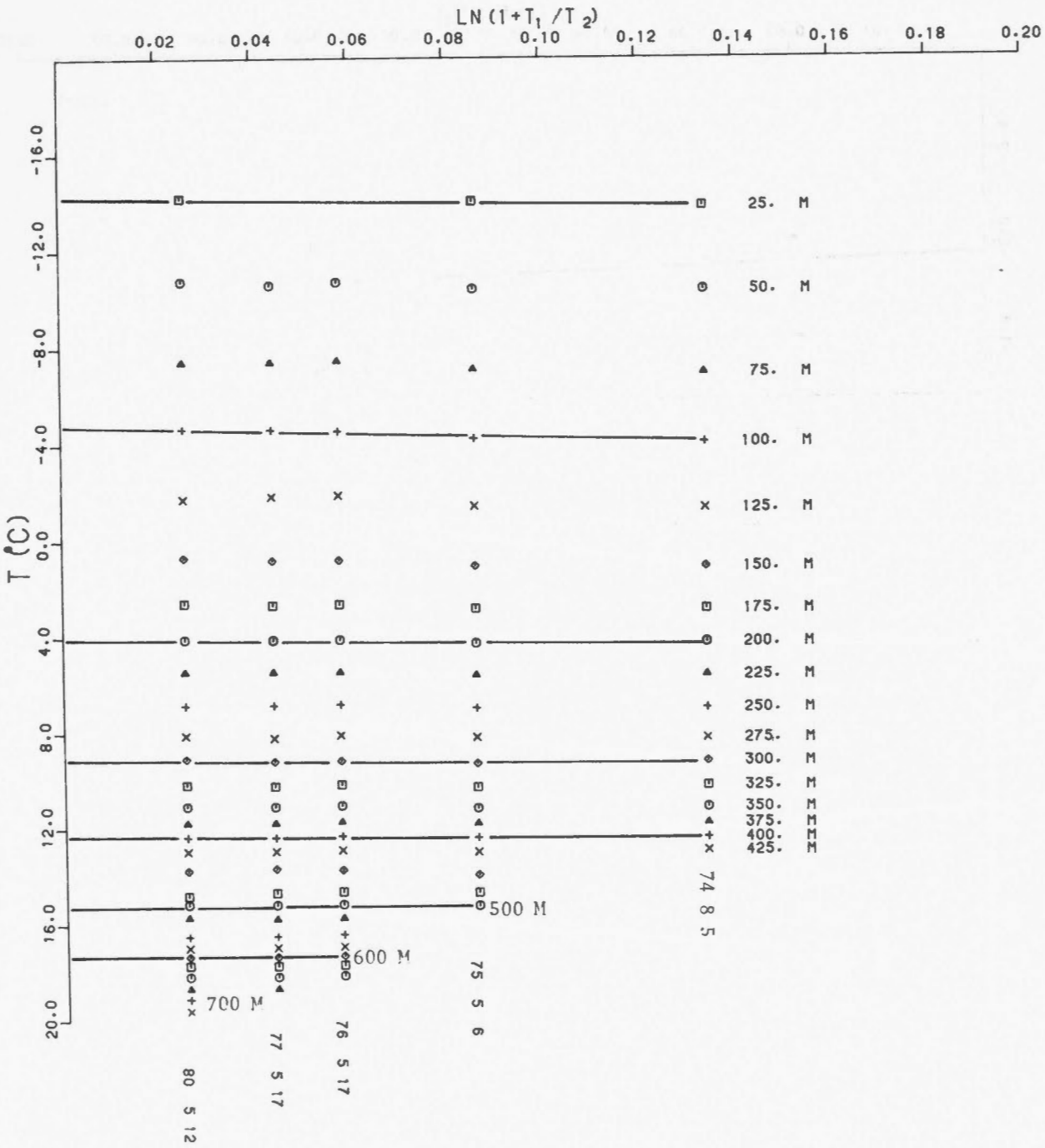
197 NEIL 0-15


LN (1+T1 /T 2)
0.02
0.04
0.06
0.08
0.10
0.12
0.14
0.16
0.18
0.20
T (°C)
-7.5
-6.0
-4.5
-3.0
-1.5
0.0
1.5
3.0
4.5
6.0
100 M
50 - 125 M
150. M
175. M
200. M
225. M
250. M
275. M
300. M
325. M
350. M
375. M
400. M
425. M
450. M
475. M
500. M
525. M
550. M
575. M
600. M
625. M
650. M
675. M
700. M
725. M
80 S 15
77 S 18
76 S 8
75 S 11

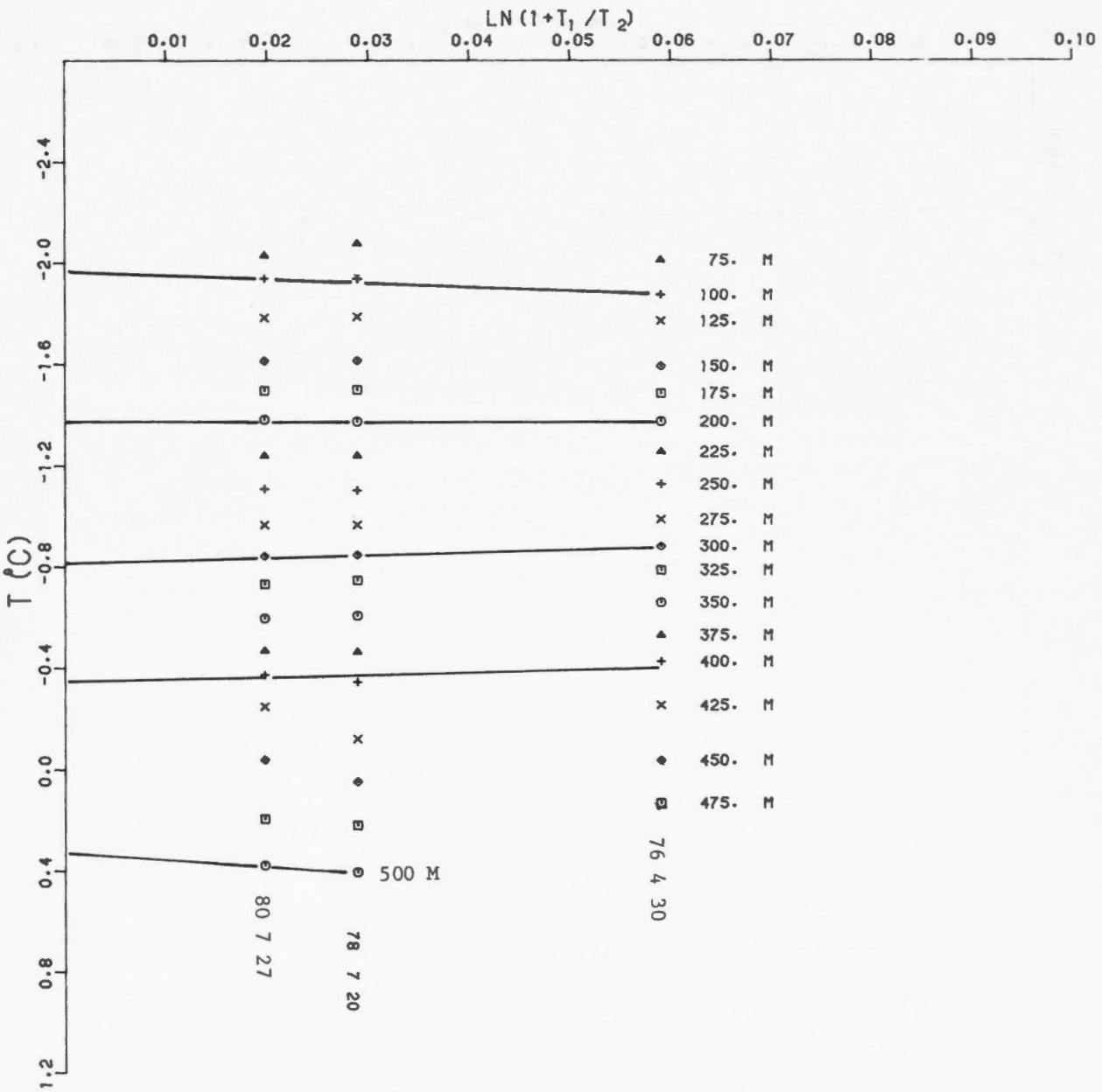
199 DRAKE E-78

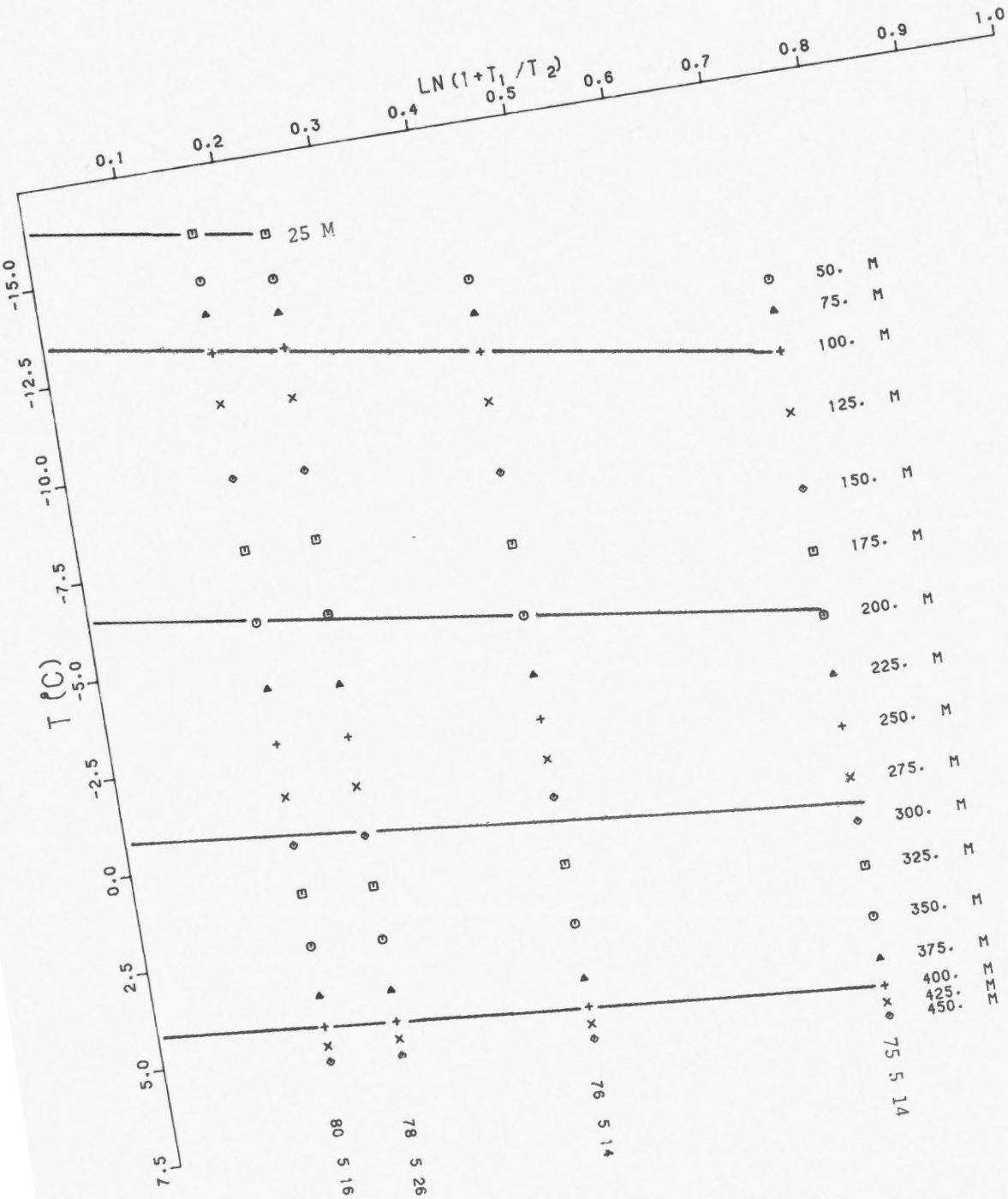


200 HECLA I-69

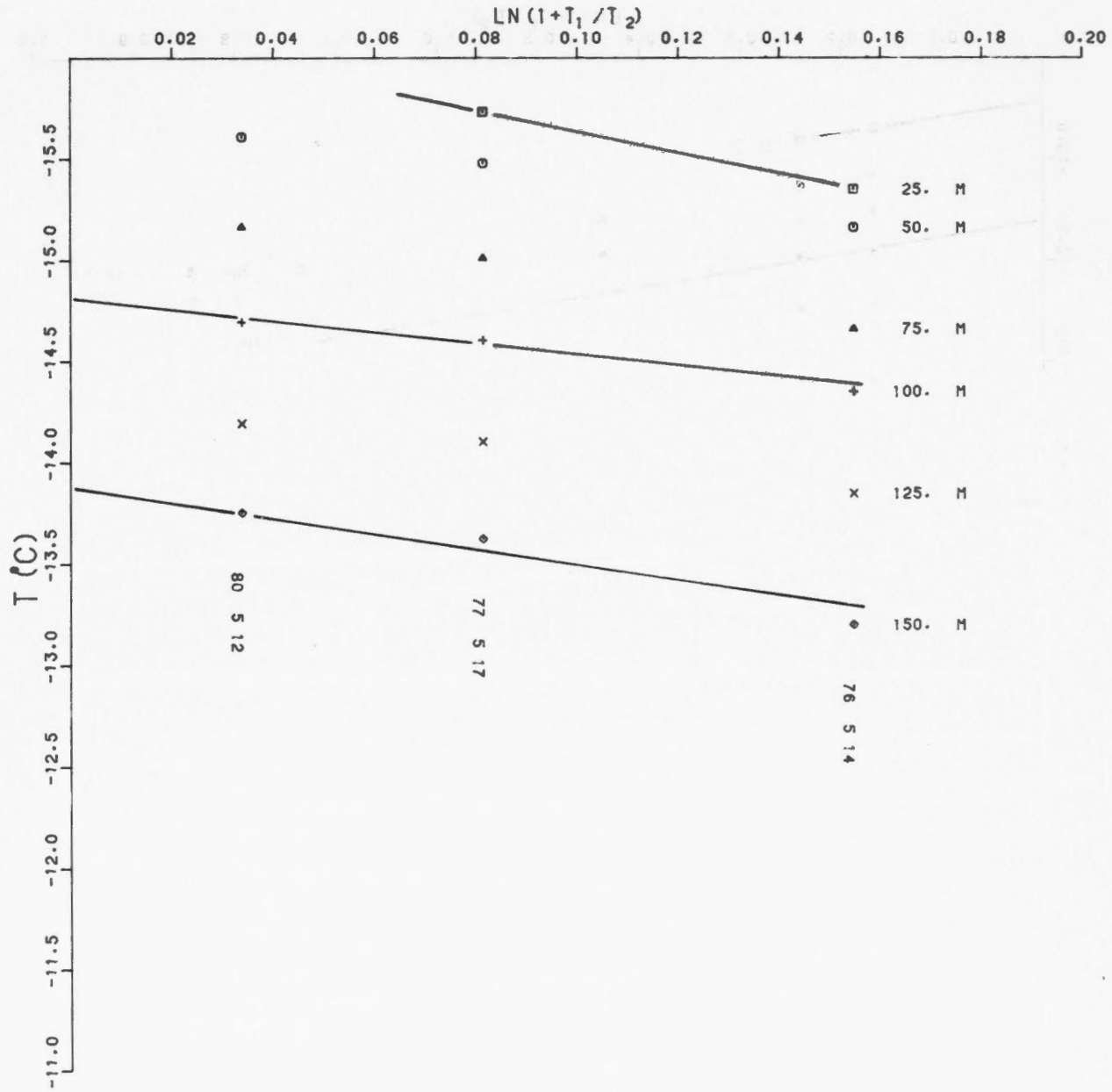


253 TEDJI LAKE K-24

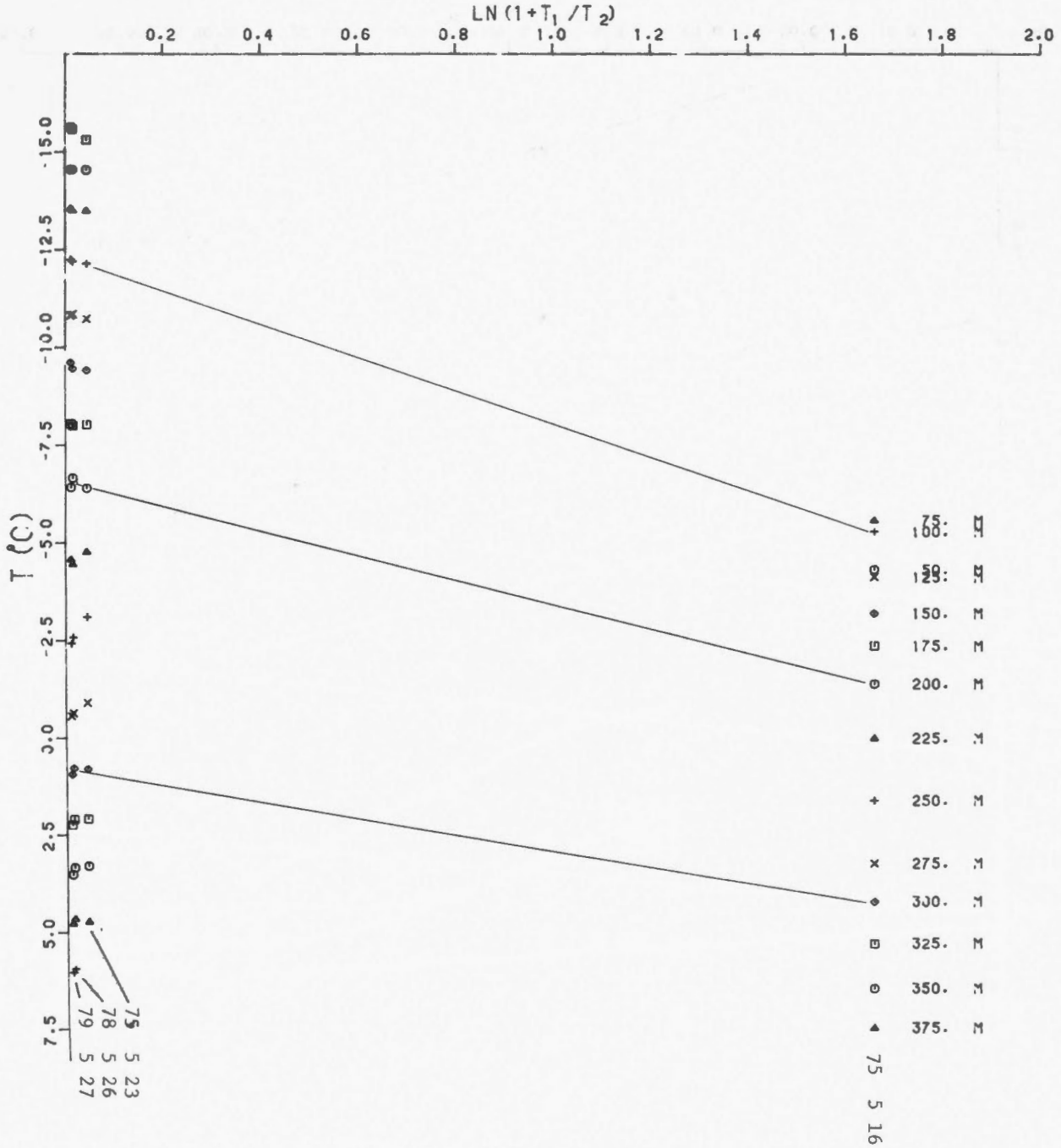



LN (1+T1 /T2)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
T (C)
-15.0
-12.5
-10.0
-7.5
-5.0
-2.5
0.0
2.5
5.0
7.5
25 M
50. M
75. M
100. M
125. M
150. M
175. M
200. M
225. M
250. M
275. M
300. M
325. M
350. M
375. M
400. M
425. M
450. M
80 S 16
78 S 26
76 S 14
74 S 14

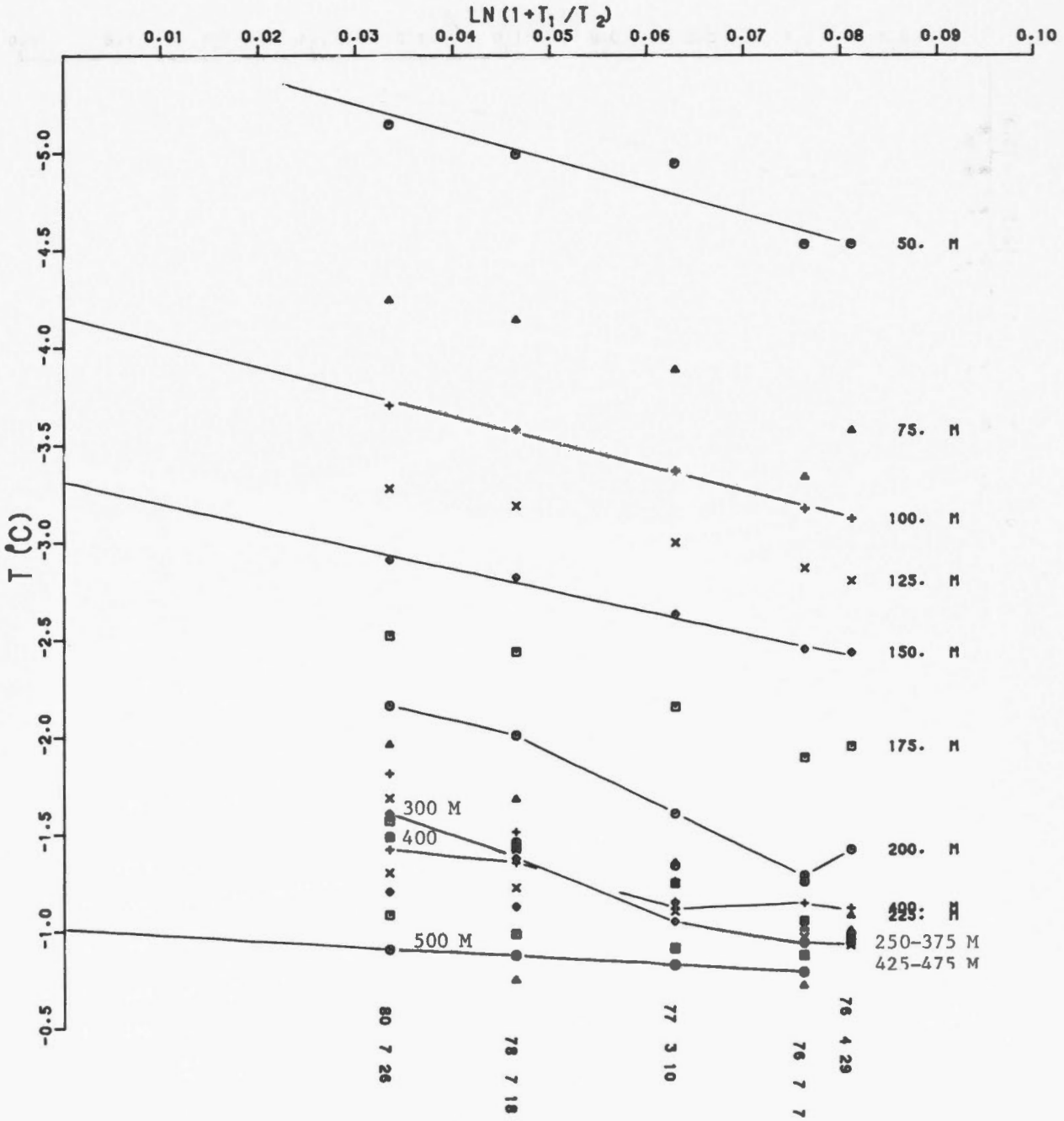
258 PAT BAY A-72

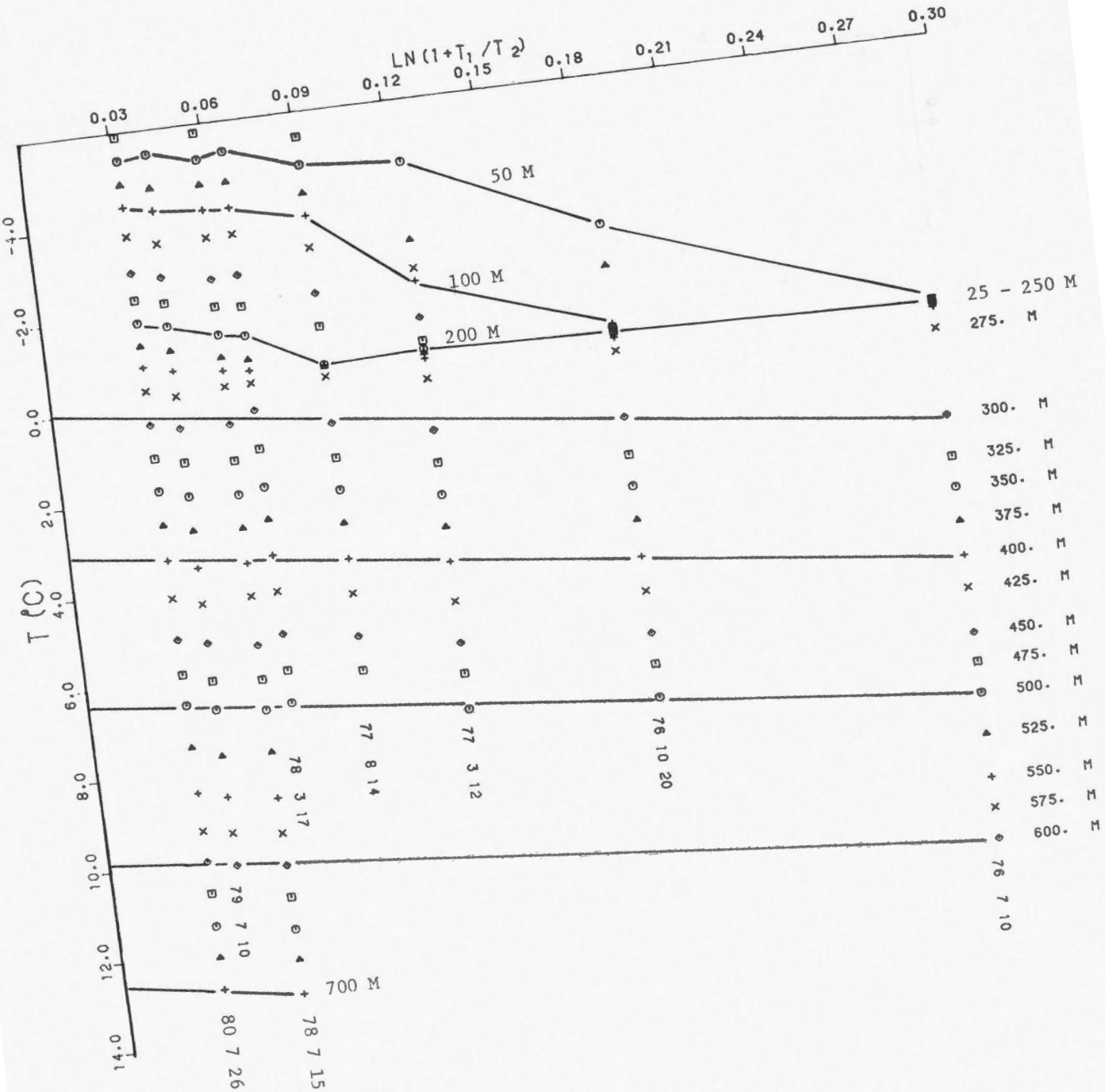


259 DRAKE D-73

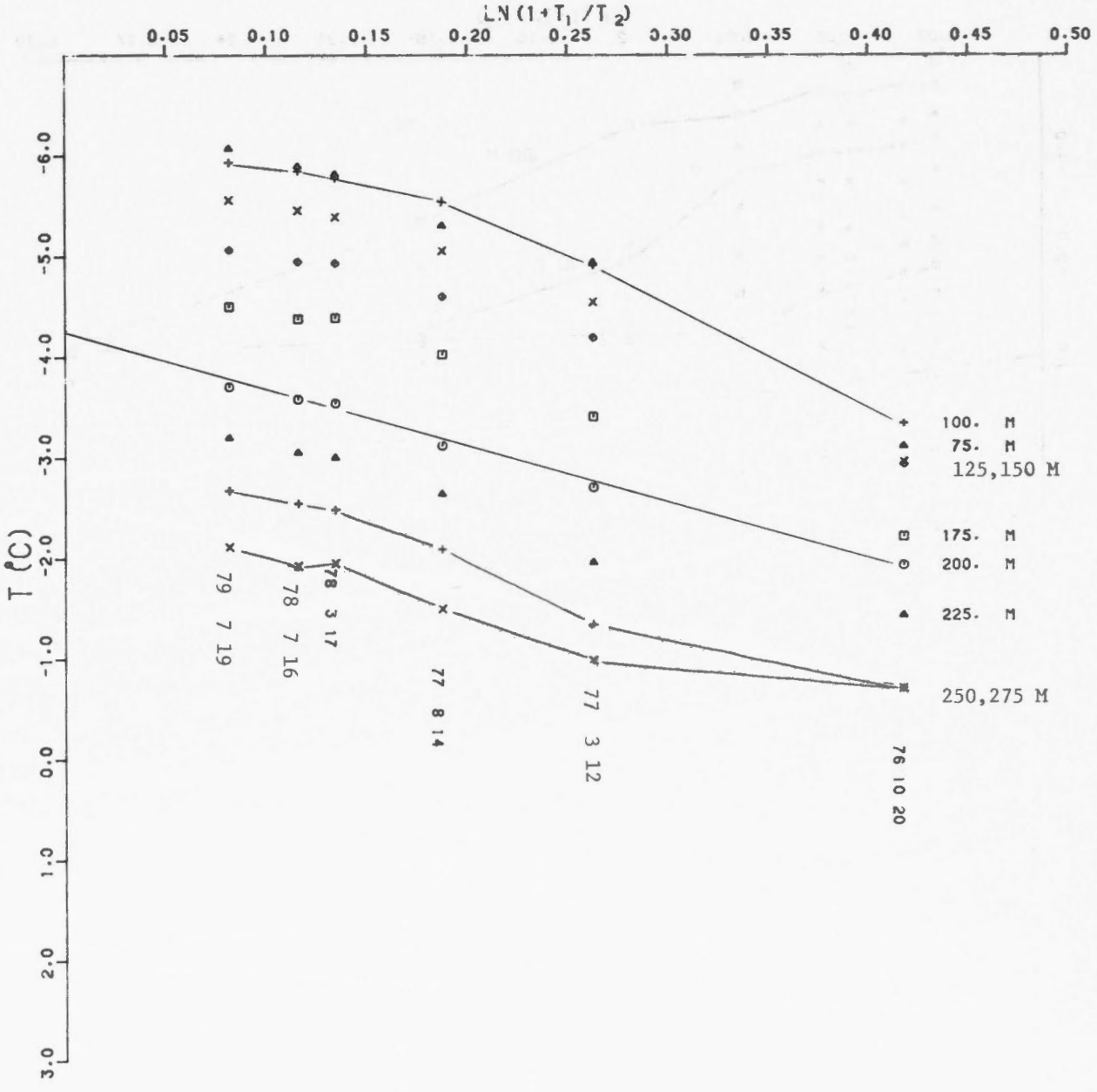


268 TAGLU D-43

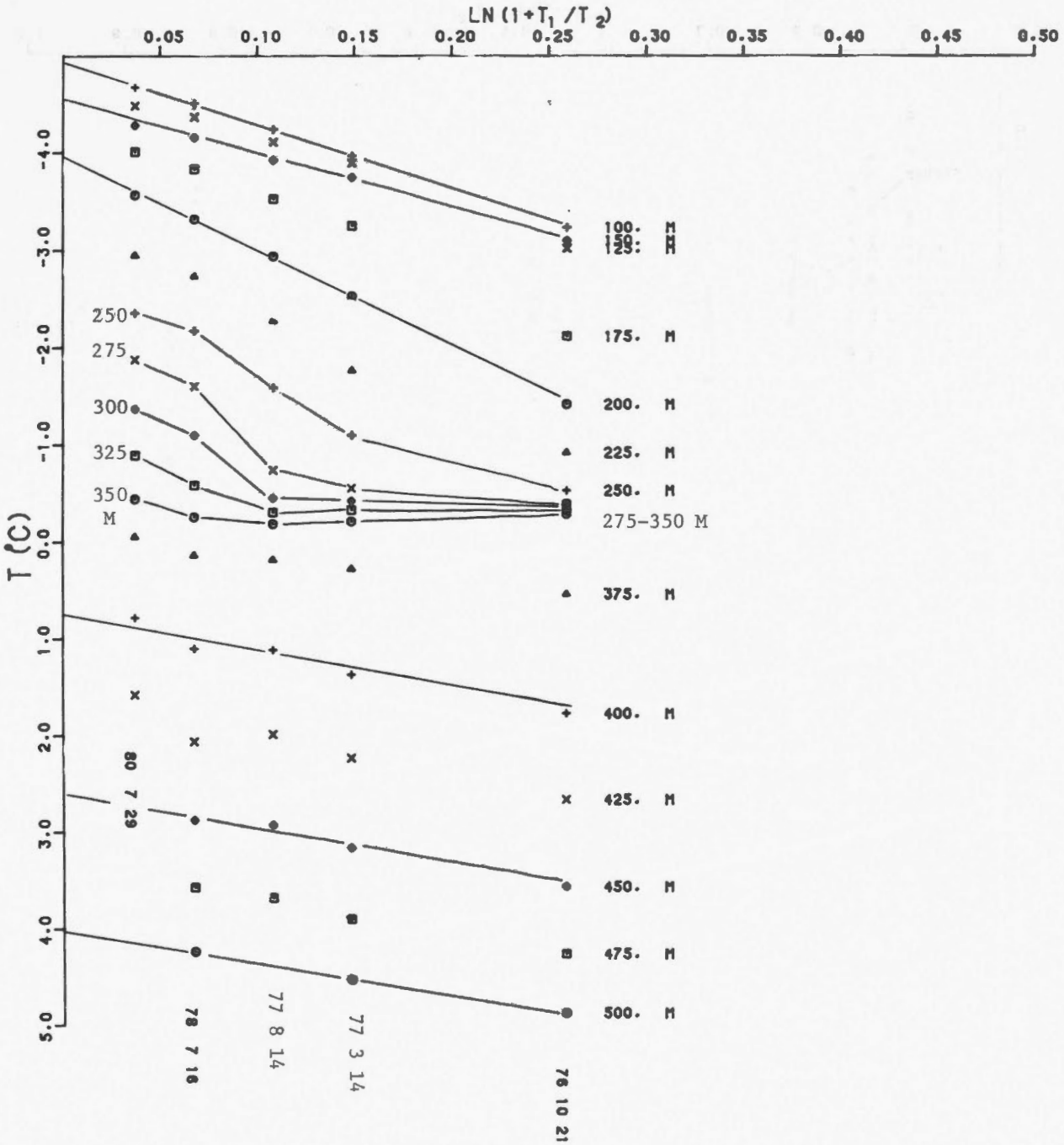



LN (1+T1 /T 2)
0.03
0.06
0.09
0.12
0.15
0.18
0.21
0.24
0.27
0.30
T (C)
-4.0
-2.0
0.0
2.0
4.0
6.0
8.0
10.0
12.0
14.0
50 M
100 M
200 M
25 - 250 M
275. M
300. M
325. M
350. M
375. M
400. M
425. M
450. M
475. M
500. M
525. M
550. M
575. M
600. M
700 M
78 3 17
77 8 14
77 3 12
76 10 20
76 7 10
79 7 10
80 7 26
78 7 15

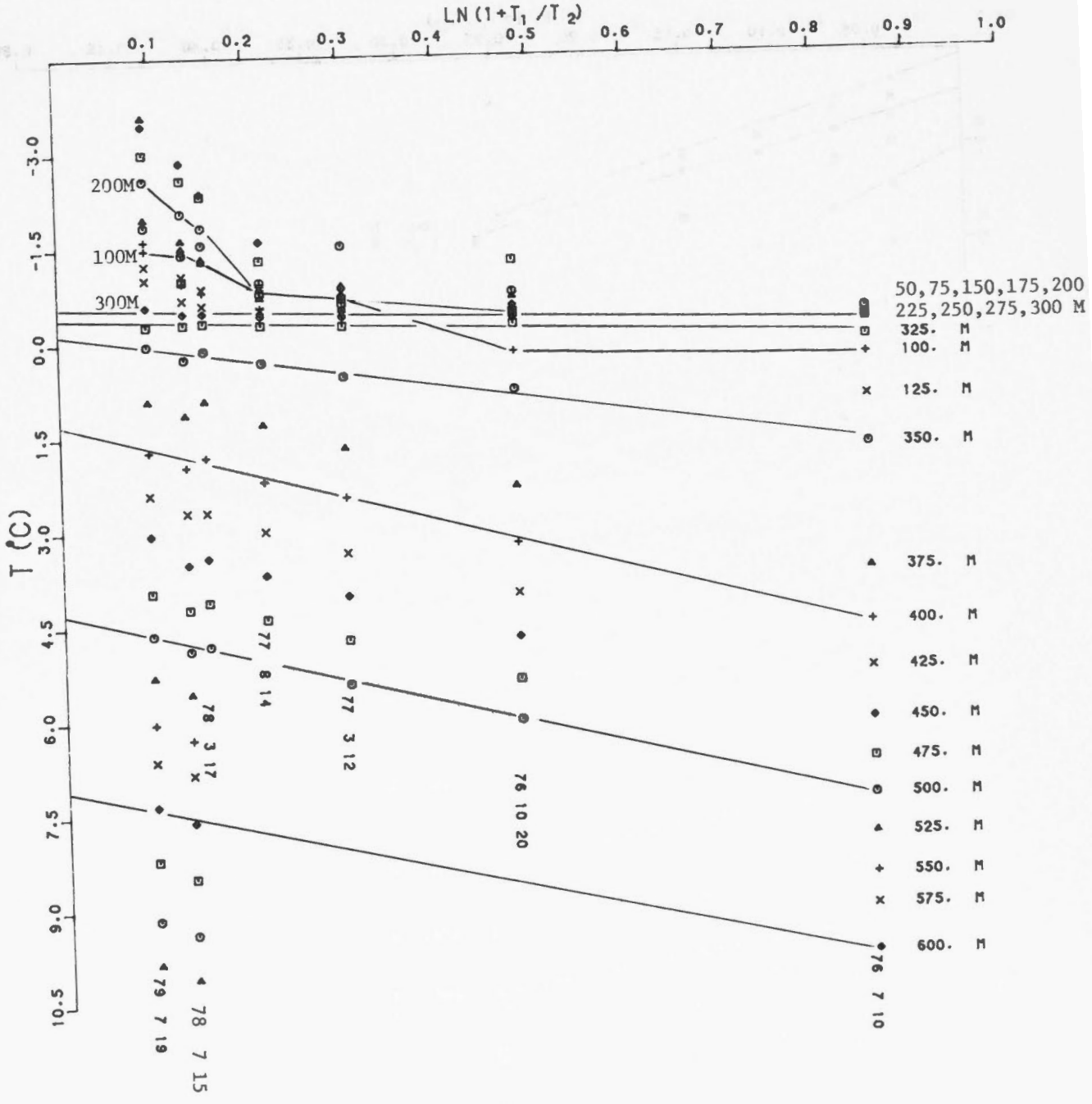
273 KAMIK D-48



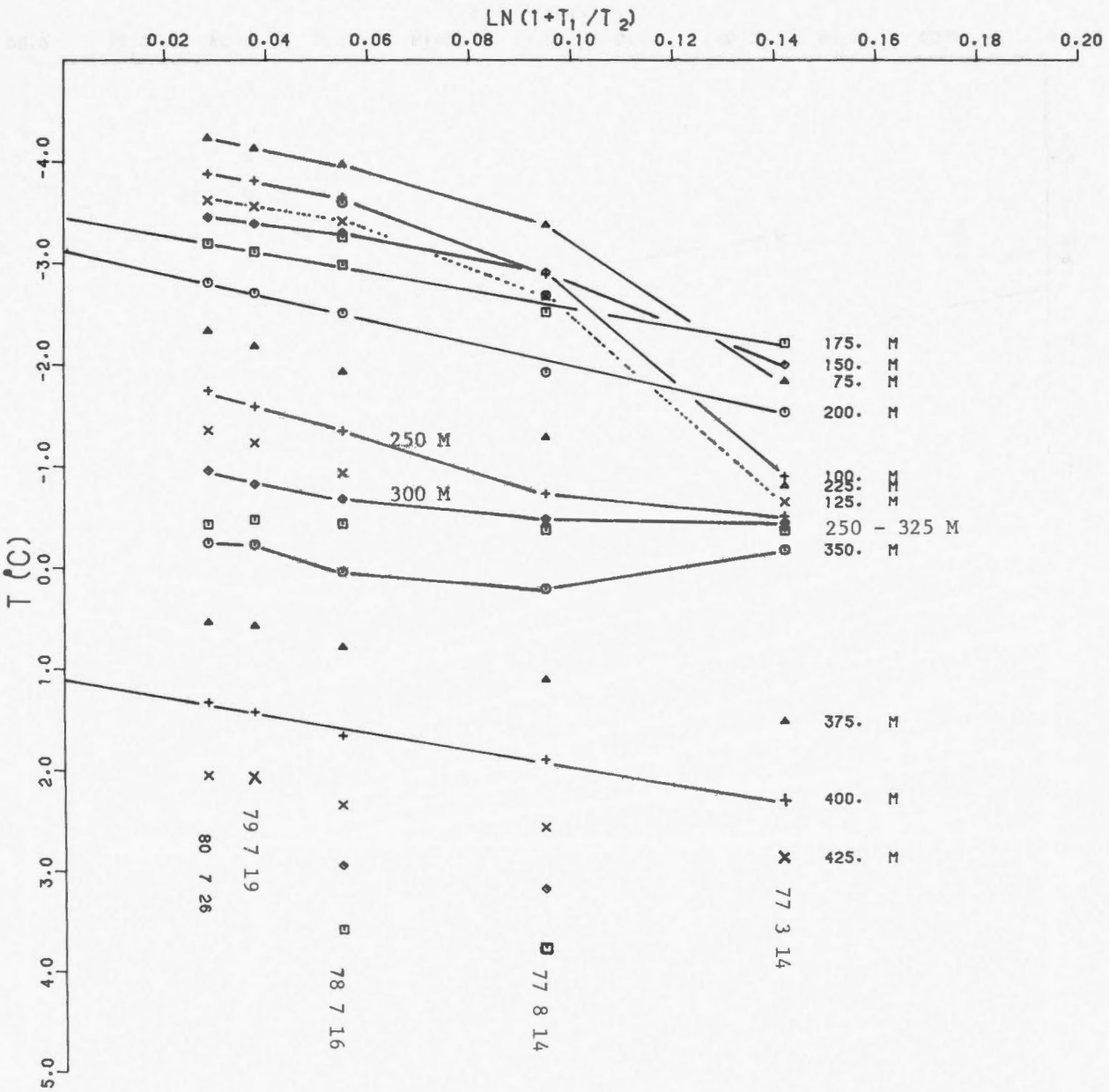
274 SIKU C-11


LN (1+T1 /T 2)
0.05
0.10
0.15
0.20
0.25
0.30
0.35
0.40
0.45
0.50
T (C)
-4.0
-3.0
-2.0
-1.0
0.0
1.0
2.0
3.0
4.0
5.0
100. M
150. M
125. M
175. M
200. M
225. M
250. M
275-350 M
375. M
400. M
425. M
450. M
475. M
500. M
250
275
300
325
350
M
80 7 29
78 7 19
77 8 14
77 3 14
78 10 21

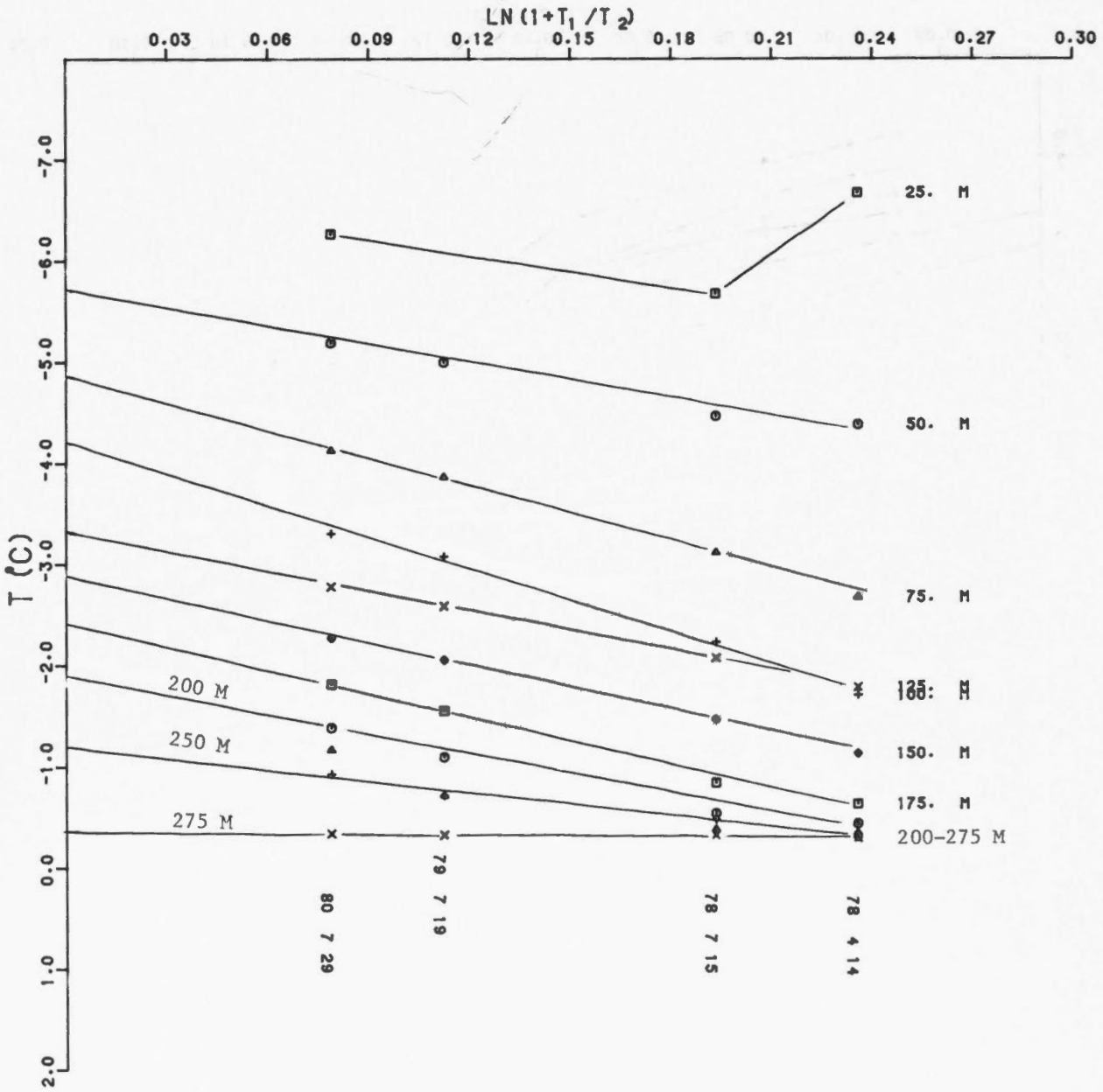
275 PARSONS N-17



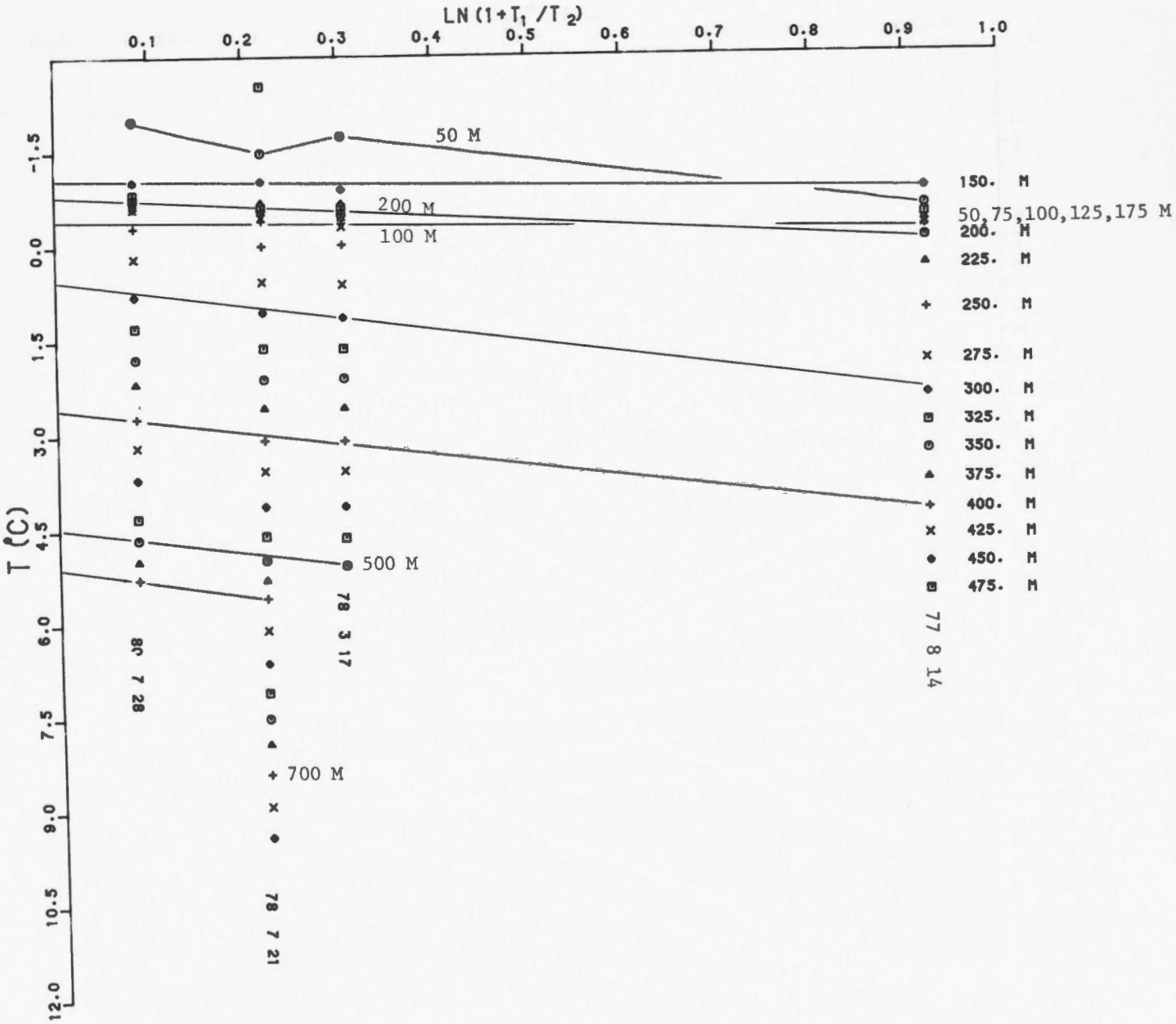
277 SIKU A-12


LN (1+T1 /T 2)
0.02
0.04
0.06
0.08
0.10
0.12
0.14
0.16
0.18
0.20
T (C)
-4.0
-3.0
-2.0
-1.0
0.0
1.0
2.0
3.0
4.0
5.0
250 M
300 M
175. M
150. M
75. M
200. M
100. M
225. M
125. M
250 - 325 M
350. M
375. M
400. M
425. M
80 7 26
79 7 19
78 7 16
77 8 14
77 3 14

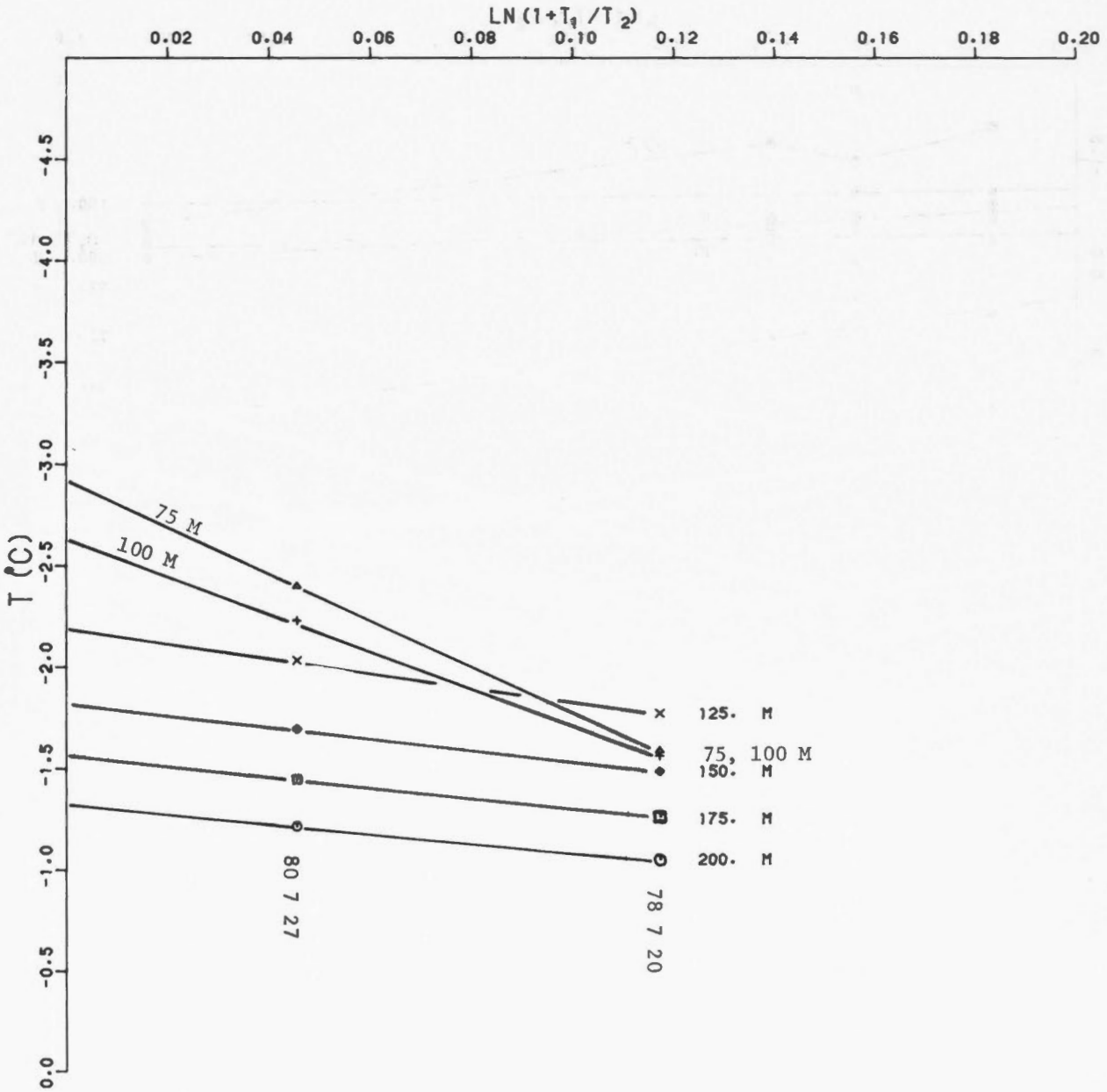
279 PARSONS L-37



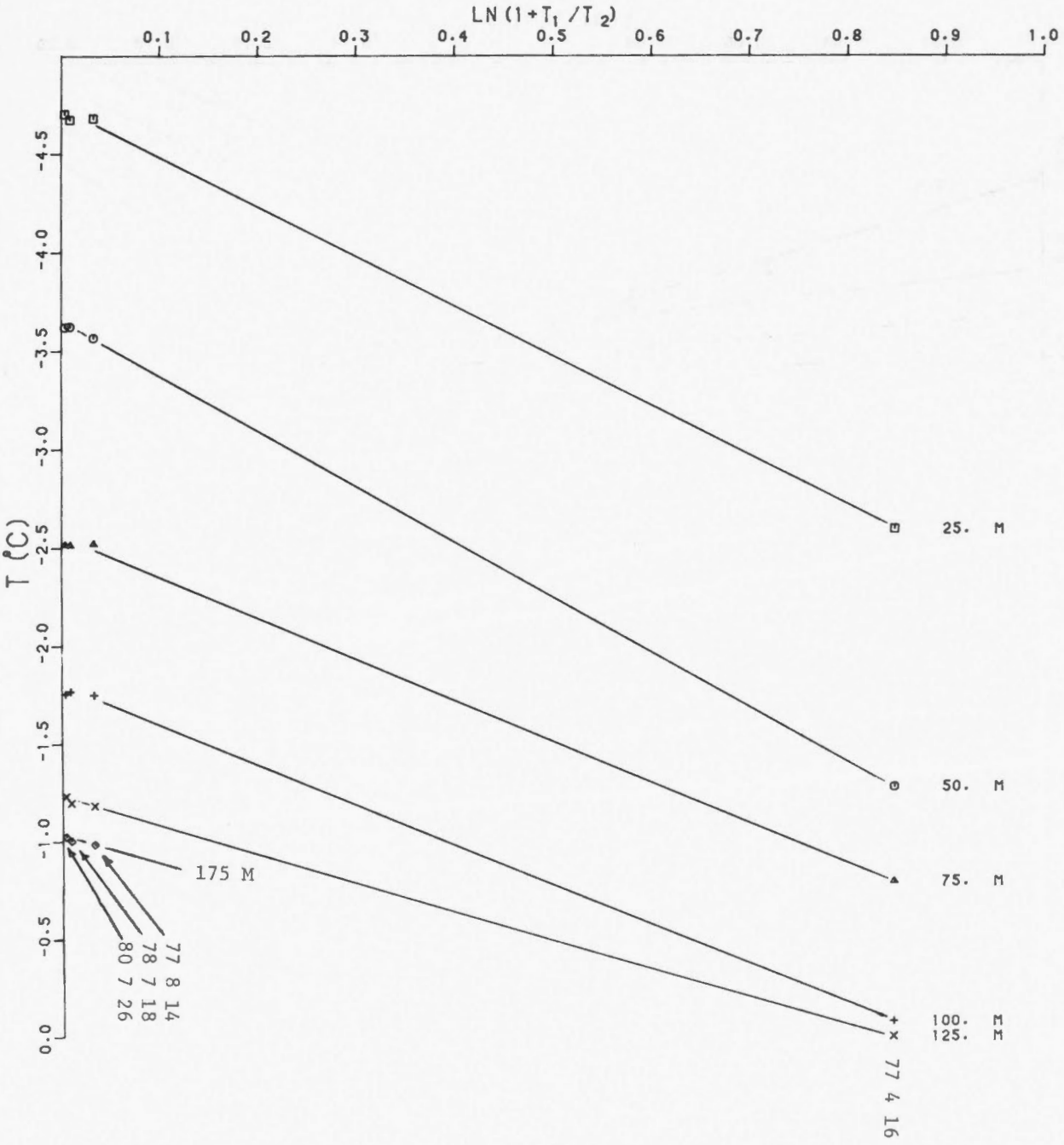
280 KUMAK E-58



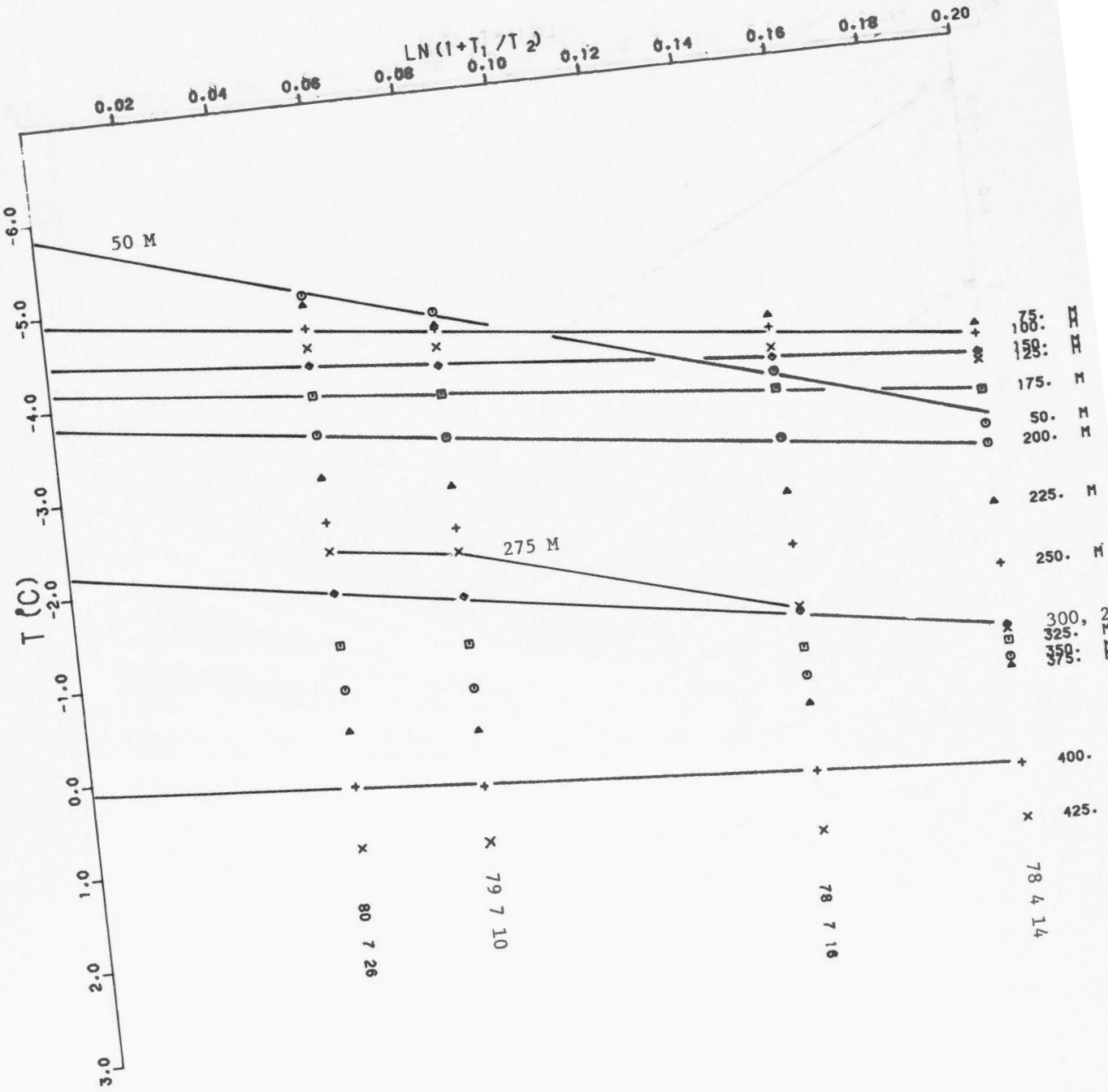
281 SADENE D-02



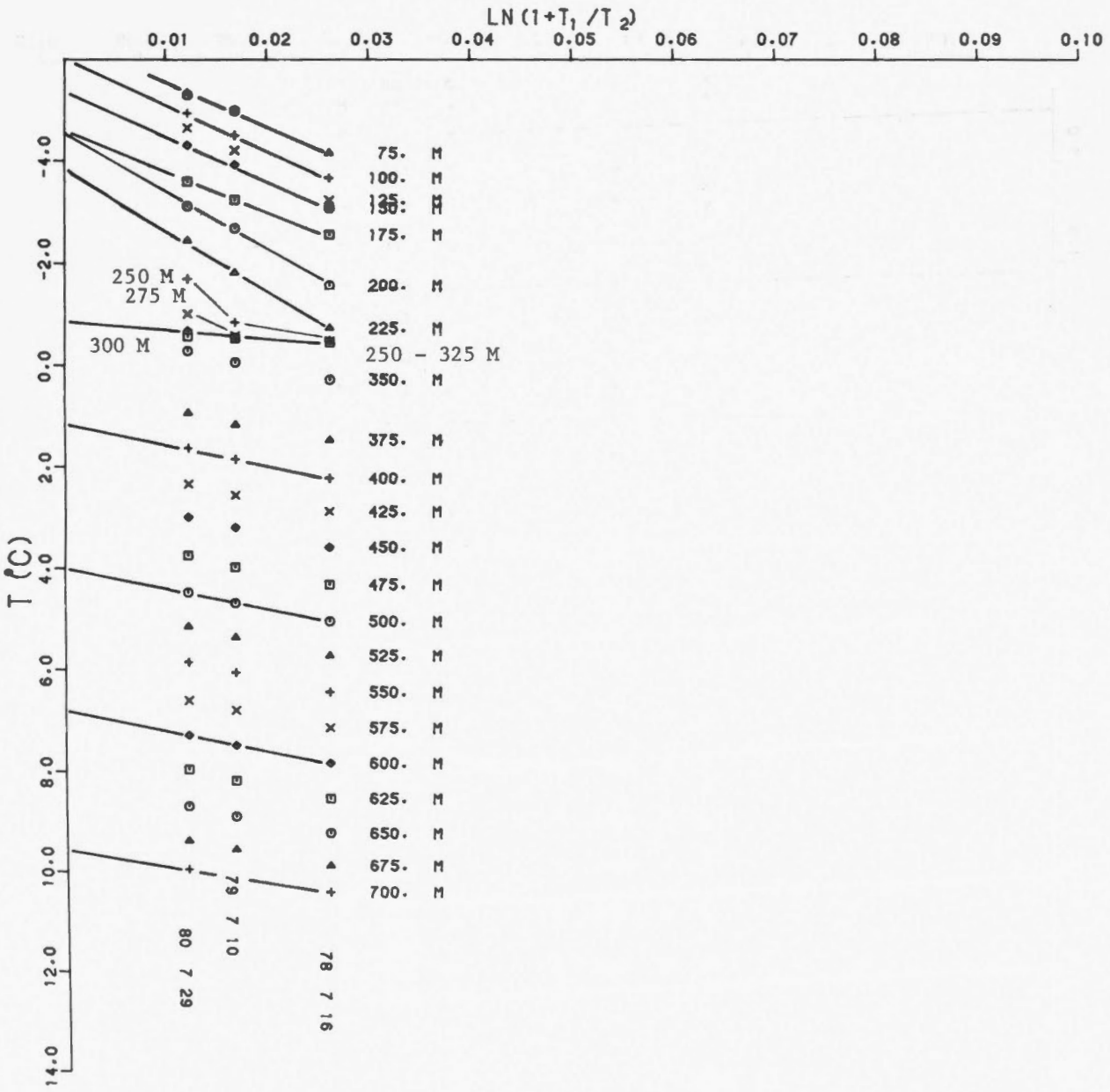
282 TAGLU N-43



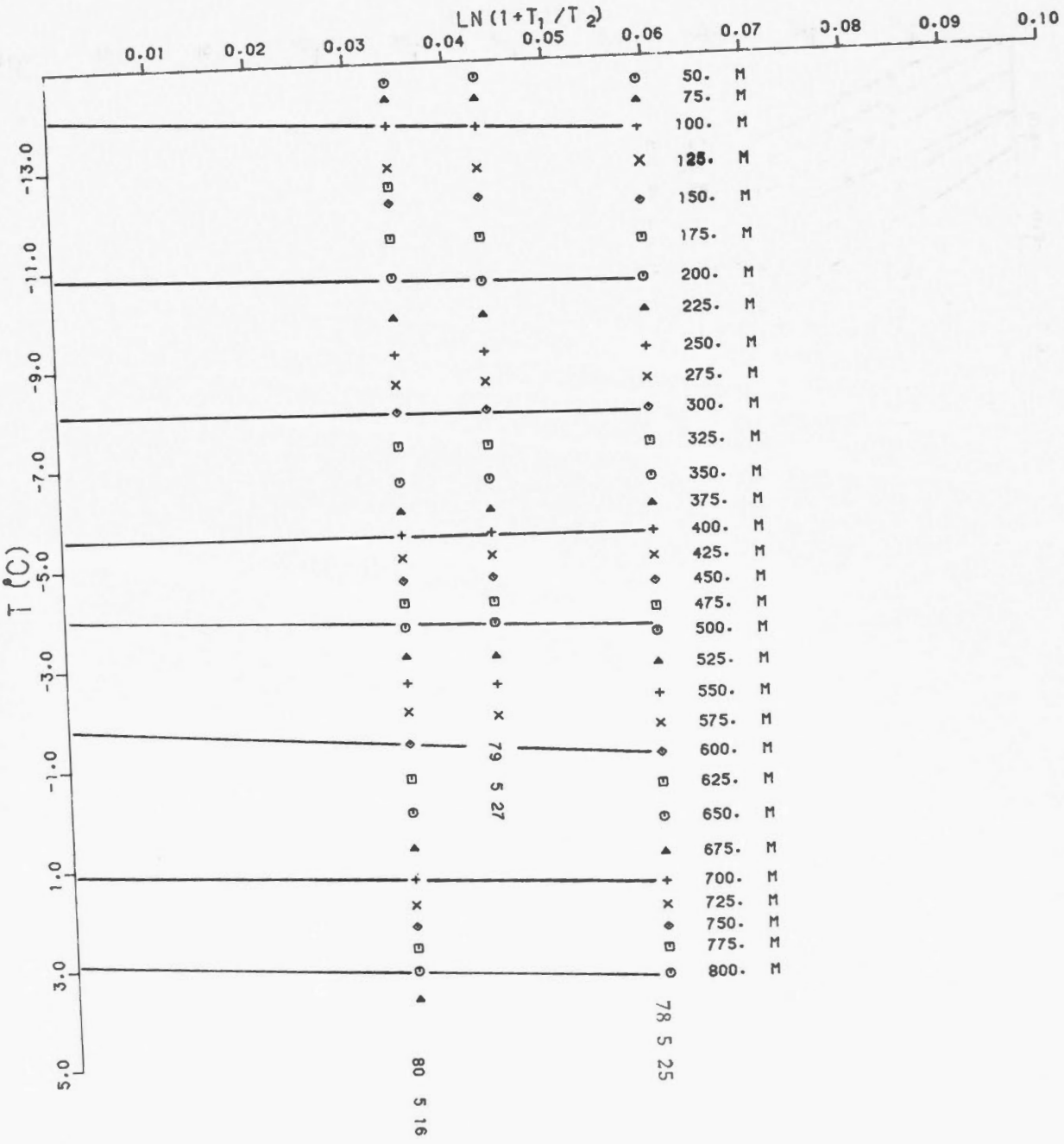
284 SIKU E-21


LN (1+T1 /T 2)
0.02
0.04
0.06
0.08
0.10
0.12
0.14
0.16
0.18
0.20
T (C)
-6.0
-5.0
-4.0
-3.0
-2.0
-1.0
0.0
1.0
2.0
3.0
50 M
275 M
75.
100.
125.
150.
175.
50.
200.
225.
250.
300.
325.
350.
375.
400.
425.
80 7 26
79 7 10
78 7 16
78 4 14

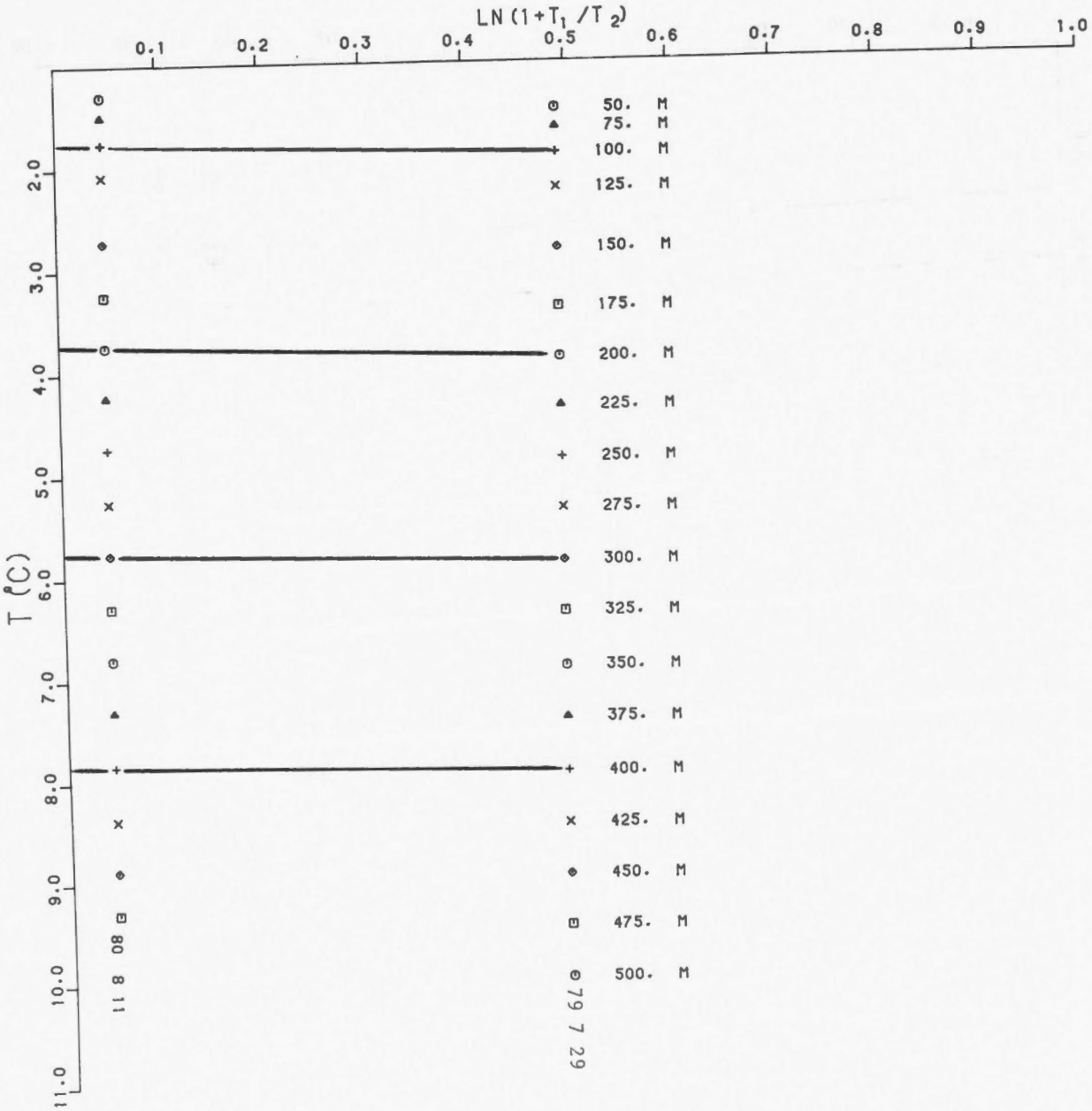
285 PARSONS D-20



286 BENT HORN F-72A



289 RED MOUNTAIN -1



289 RED MOUNTAIN -4