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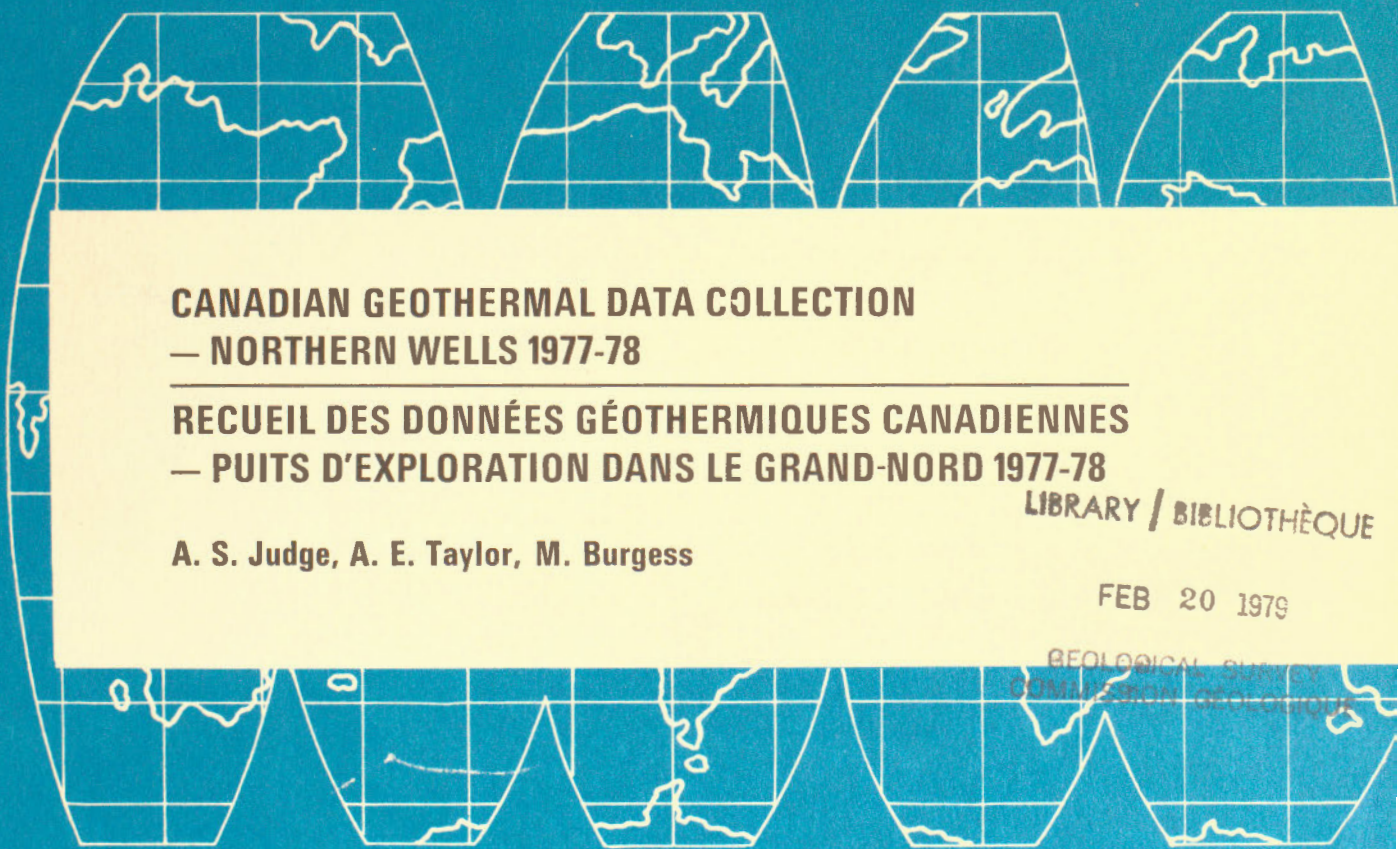

CANADIAN GEOTHERMAL DATA COLLECTION — NORTHERN WELLS 1977-78

RECUEIL DES DONNÉES GÉOTHERMIQUES CANADIENNES — PUITS D'EXPLORATION DANS LE GRAND-NORD 1977-78

A. S. Judge, A. E. Taylor, M. Burgess

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PREFACE

Subsurface temperature data collected between June 1977 and July 1978 from boreholes of total depth greater than 125 m are reported in this volume. The volume supplements Taylor and Judge (1974, 1975, 1976, 1977) reporting only new sites and old sites where new data are available. The four volumes, hereafter referred to as the collection, present measurements from 31 sites in the Arctic Islands, 40 in the Mackenzie Delta and another 27 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 brief introduction discusses data acquisition and accuracy, the disturbance to thermal equilibrium by drilling and the determination of equilibrium permafrost thickness. This is followed by a series of appendices which present 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 juin 1977 et juillet 1978 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); il ne mentionne que les nouveaux sites, et ceux déjà explorés, mais ayant apporté de nouvelles données. Les quatre volumes précédents désignés ici par le terme de collection, font état des déterminations réalisées dans 31 sites de l'archipel Arctique, 40 du delta du Mackenzie, et 27 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.

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. Ensuite, dans une série d'annexes, figurent des tableaux indiquant les variations mesurées de température en fonction du temps, des graphiques représentant les variations de température en fonction de la profondeur à des intervalles de temps précis, des 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 des 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.

ABSTRACT

The assessment and solution of many problems which may occur in the development of northern regions require a knowledge of subsurface temperatures. This volume supplements four earlier volumes in this series, and it reports new measurements at 30 of the sites listed in the previous volumes and observations from 11 new sites. A total of 98 determinations of permafrost thickness have been reported in the collection to date. Determined thicknesses in the Arctic Islands range from 144 m to 726 m, in the Mackenzie Delta from 0 m to 670 m and in the remainder of the Northern Mainland from 0 m to more than 500 m.

RÉSUMÉ

L'étude et la solution des nombreux problèmes qui peuvent surgir lors de la mise en valeur des régions septentrionales exigent que l'on connaisse les températures du sous-sol. Le présent volume s'ajoute aux quatre volumes précédents de la même série et fait état des nouvelles mesures effectuées à 30 des emplacements énumérés dans les volumes précédents, et d'observations à 11 emplacements nouveaux. L'auteur rend compte, jusqu'à présent, de 98 déterminations de l'épaisseur du pergélisol. Les épaisseurs connues dans l'archipel Arctique varient entre 144 m et 726 m, dans le delta du Mackenzie entre 0 m et 670 m, et pour le reste du Nord continental, de 0 à plus de 500 m.

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S E C T I O N 1

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), 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. Figures 1 to 6 show locations of all sites of subsurface temperatures available in the collection. The number shown against each site is the Earth Physics Branch (EPB) file identification, and the symbol indicates the permafrost thickness at that site. Table 1 lists the 41 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.

Section 3 consists of a series of appendices which present measured and interpreted data.

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), 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. Les figures 1 à 6 indiquent l'emplacement de tous les sites pour lesquels la température du sous-sol est mentionnée dans la collection. Le numéro accolé à chaque site est le numéro d'identification de la fiche produite par la Direction de la physique du globe (fiche EPB), et le symbole indique l'épaisseur du pergélisol en ce lieu. Au tableau 1 sont énumérés les 41 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.

La section 3 consiste en une série d'annexes où figurent les mesures et l'interprétation des données.

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 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
GR	gravel	SLT	siltstone
IGN	igneous	SS	sandstone
LS	limestone	W	organic
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. 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
GR	gravier	SLT	silstone
IGN	roches ignées	SS	grès
LS	calcaire	W	matière organique
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 ^{o}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 $0.1^{o}C$ 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 ^{o}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 $0.1^{o}C$ 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.

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.

A 1'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.

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.

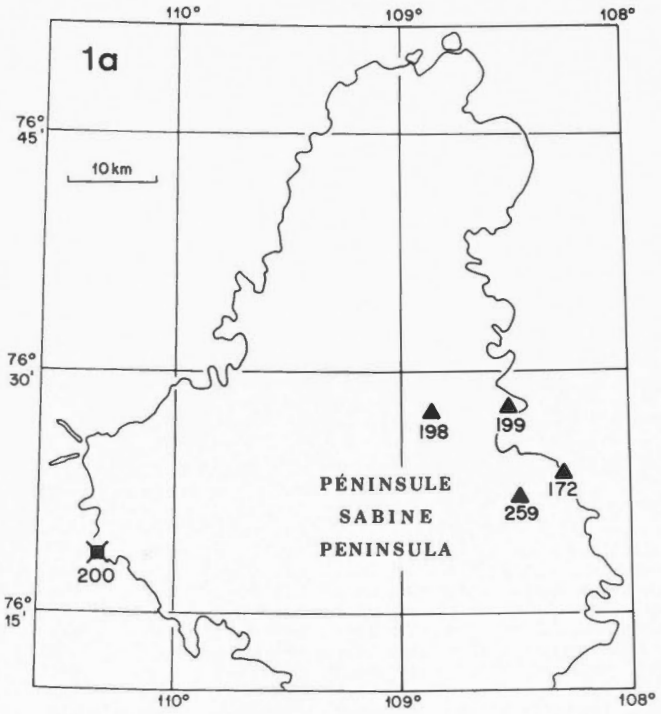
TABLE 1
SITES INCLUDED IN REPORT

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**			
166	MOKKA A-02	79 31.2	87 1.2	253	442	M
168	DUNDAS C-80	74 39.0	113 23.0	240	660	S
175	GEMINI E-10	73 59.4	84 4.2	126	872	S
195	LINCKENS ISLAND P-46	77 45.8	97 45.4	1	518	M
196	BENT HORN N-72	76 21.8	103 58.2	63	869	S
256	SUTHERLAND O-23	77 42.9	102 8.5	21	477	S
259	DRAKE O-73	76 22.1	108 29.5	33	393	S
296	BENT HORN N-72A	76 21.5	103 58.2	43	808	S
MACKENZIE DELTA			**DELTA DU MACKENZIE**			
63	REINDEER D-27	69 6.1	134 36.9	29	597	M
165	KILAGMIOTAK F-48	69 27.5	134 11.9	20	381	S
167	UNIPKAT I-22	69 11.7	135 20.5	5	732	S
173	NIGLINTGAK H-30	69 19.4	135 20.1	2	298	S
176	YA YA P-53	69 12.8	134 42.7	36	602	S
178	PARSONS N-10	68 59.8	133 31.8	68	623	S
179	REINDEER F-36	69 5.3	134 39.0	10	345	S
192	KUGPIK O-16	68 52.8	135 18.2	2	735	S
193	IKMIL I-37	68 46.6	134 7.8	125	611	S
194	ATIGI O-46	68 57.0	133 56.1	85	618	S
254	YA YA A-28	69 17.2	134 35.5	40	601	S
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
271	NORTH ELLICE J-23	69 12.6	135 51.2	1	456	S
272	PARSONS L-43	68 52.6	133 41.9	49	766	S
273	KAMIK O-48	68 57.2	133 27.5	31	314	S
274	SIKU G-11	69 .0	133 38.8	58	521	S
275	PARSONS N-17	68 56.9	133 34.6	52	744	S
276	ULU A-35	68 44.0	135 52.9	3	168	S
277	SIKU A-12	69 1.0	133 32.5	56	551	S
278	NIGLINTGAK B-19	69 18.2	135 18.3	2	396	S
279	PARSONS L-37	68 56.7	133 39.9	36	337	S
280	KUMAK E-56	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 .5	133 36.9	55	430	S
285	PARSONS O-26	68 59.2	133 34.4	62	723	S
287	TAGLU H-54	69 23.3	134 58.1	1	722	S
288	GARRY P-34	69 23.8	135 30.3	1	762	S
ARCTIC MAINLAND			**ARCTIQUE CONTINENTAL**			
77	HORTON RIVER G-02	69 51.4	127 15.9	34	363	S
114	ASBESTOS HILL -6	61 49.2	73 57.6	420	438	M
114	ASBESTOS HILL -7	61 49.4	73 57.3	420	450	M
253	TEJJI LAKE K-24	67 43.6	126 49.9	343	534	S
281	SADENE J-62	68 51.0	126 47.3	233	428	S
283	KENTY LAKE -1	61 29.2	74 26.4	490	107	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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110°
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76° 15'
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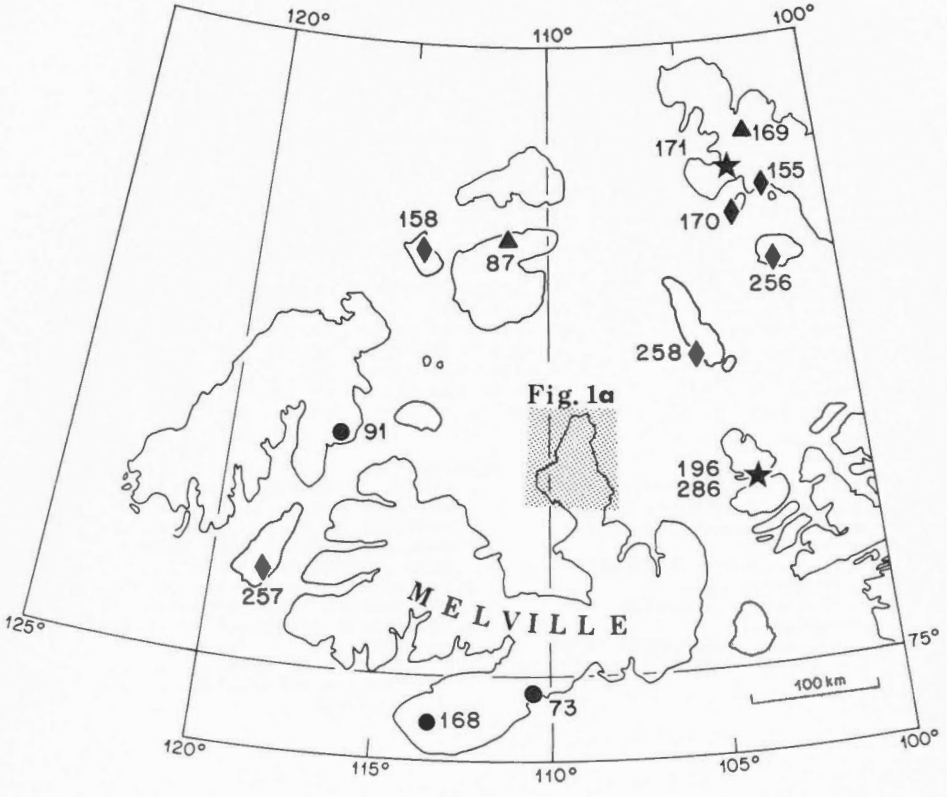
199
172
259
200
PÉNINSULE
SABINE
PENINSULA


120°
110°
100°
169
171
155
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158
87
256
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Fig. 1a
91
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286
257
MELVILLE
125°
75°
100 km
168
73
120°
115°
110°
105°
100°

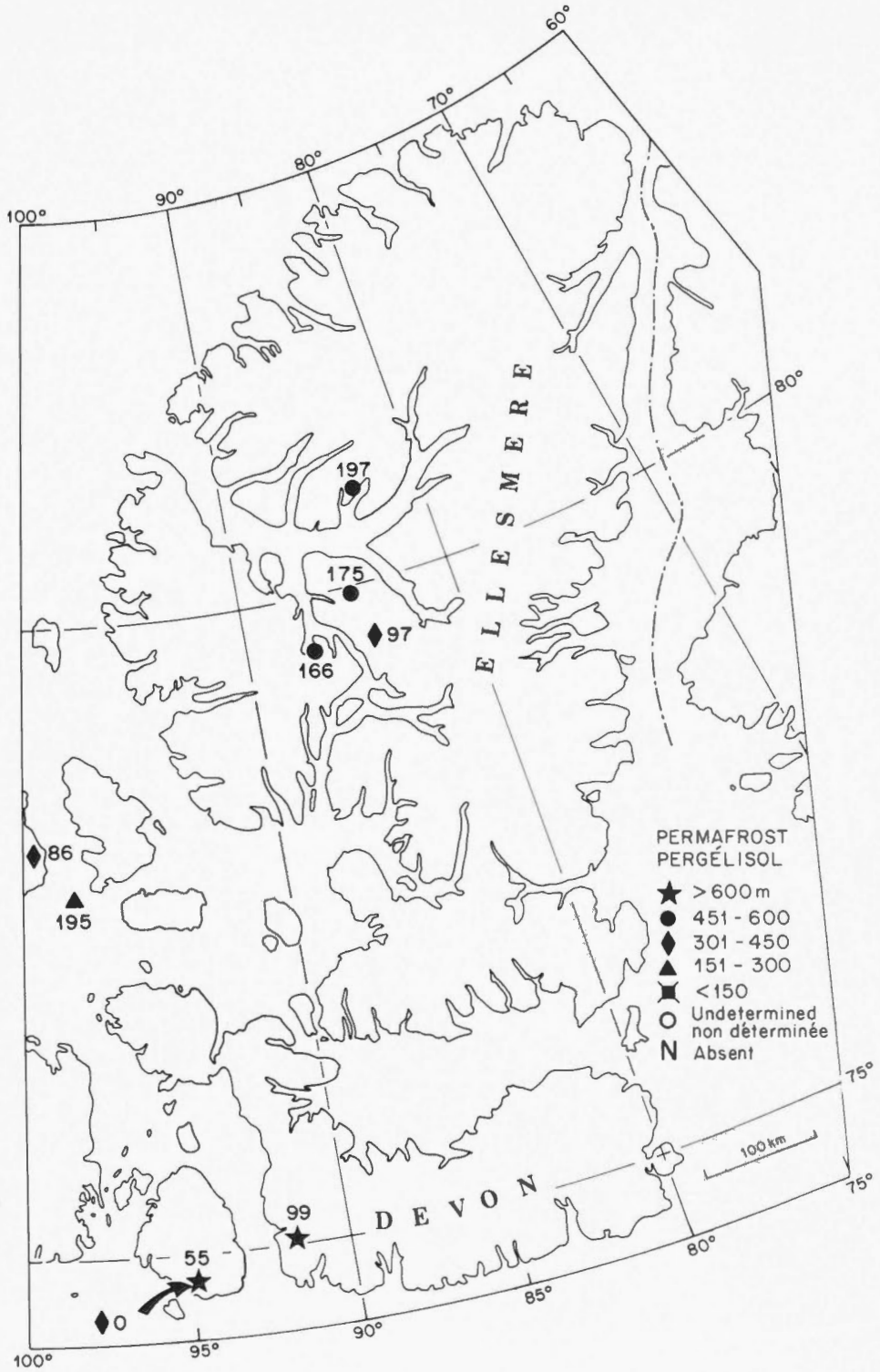


Figure 1. Site locations and permafrost thicknesses for the Arctic Islands. The symbols represent permafrost thicknesses in metres, and the numerals are Earth Physics Branch file numbers as used in Tables 1 and 2.

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

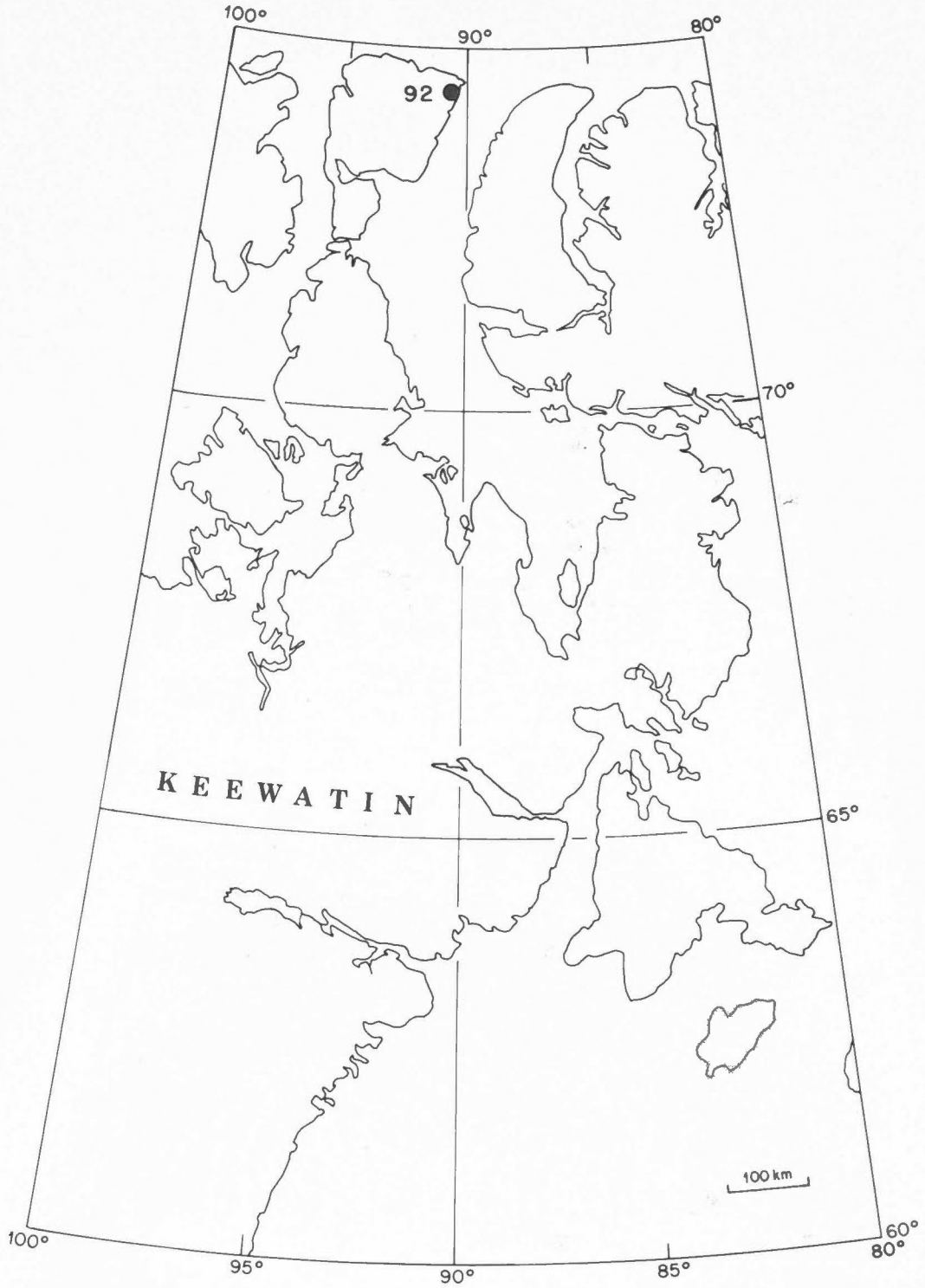
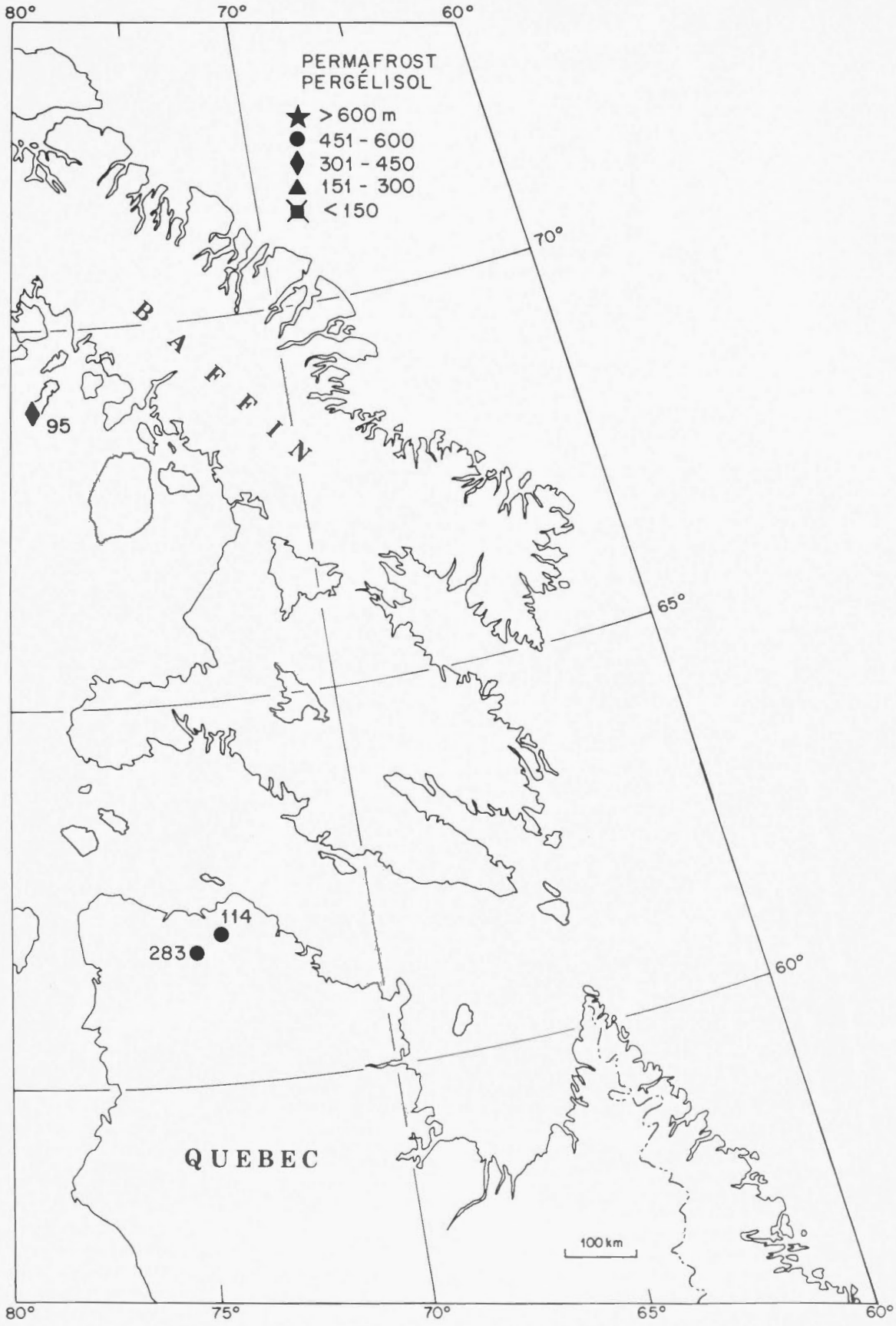


Figure 2. Site locations and permafrost thicknesses in the Eastern Arctic. The numerals are Earth Physics Branch file numbers.

Figure 2. Emplacement des sites et épaisseur du pergélisol dans l'est de l'Arctique. Les numéros sont ceux qui figurent dans le fichier de la Direction de la physique du globe.


80°
70°
60°
PERMAFROST
PERGÉLISOL
> 600 m
451 - 600
301 - 450
151 - 300
< 150
70°
BAFFIN
95
65°
114
283
60°
QUEBEC
100 km
80°
75°
70°
65°
60°

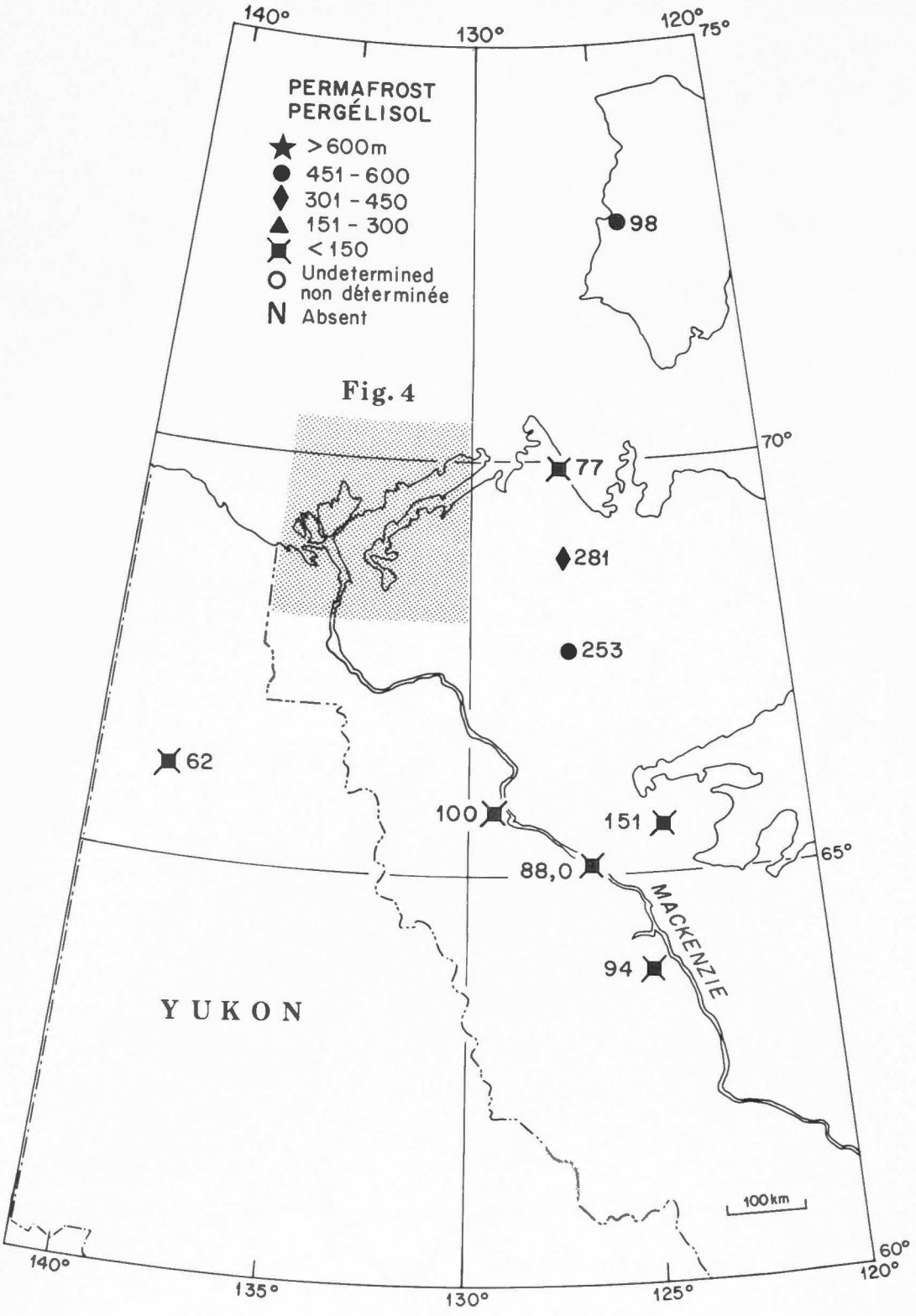

140°
130°
120°
75°
PERMAFROST
PERGÉLISOL
>600m
451 - 600
301 - 450
151 - 300
< 150
Undetermined
non déterminée
Absent
98
77
70°
281
253
62
100
151
88,0
65°
MACKENZIE
94
YUKON
100km
60°
140°
135°
130°
125°
120°

Fig. 4

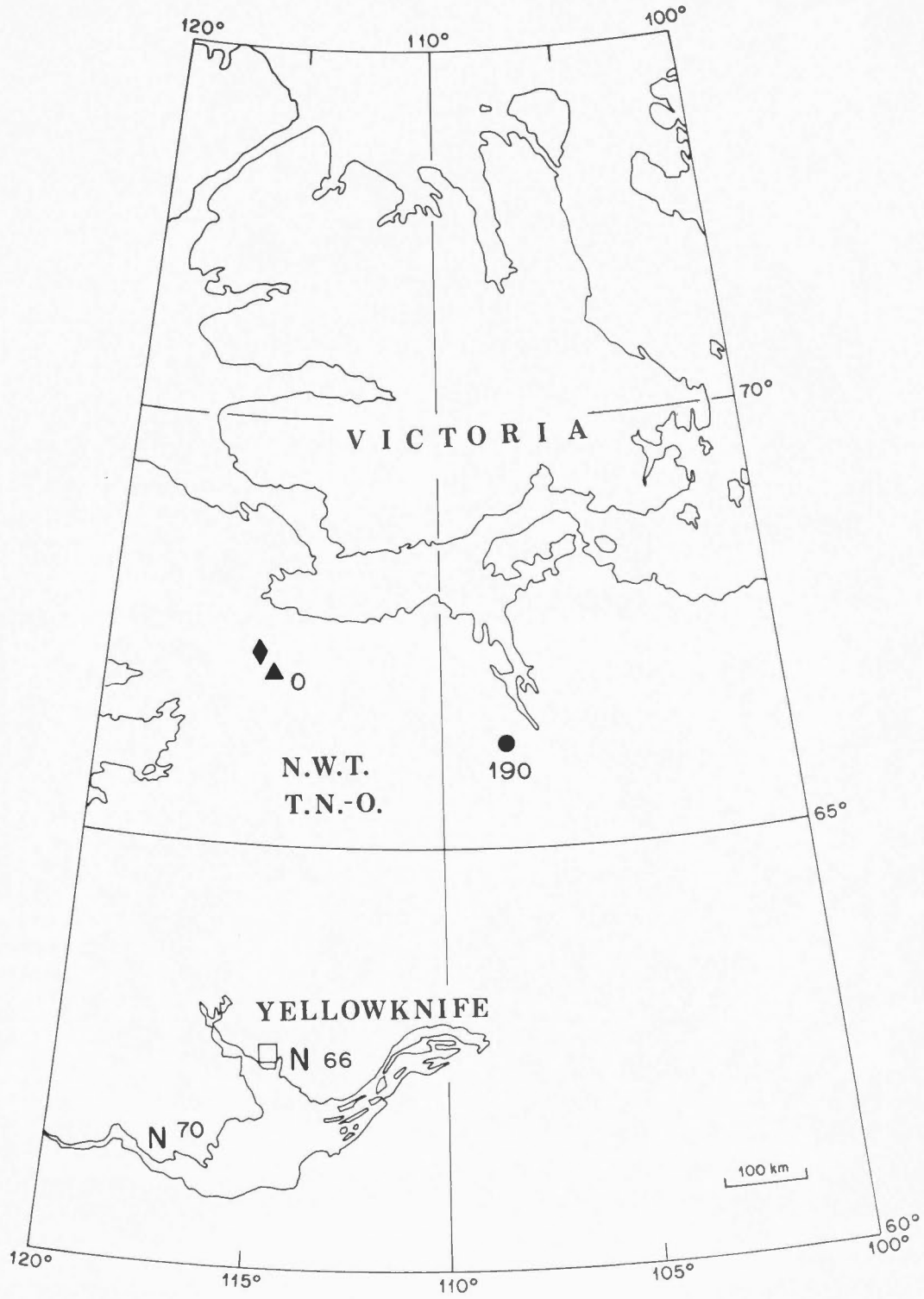


Figure 3. Site locations and permafrost thicknesses in the Western Arctic. The numerals are Earth Physics Branch file numbers.

Figure 3. Emplacement des sites et épaisseur du pergélisol dans l'ouest de l'Arctique. Les numéros sont ceux qui figurent dans le fichier de la Direction de la physique du globe.

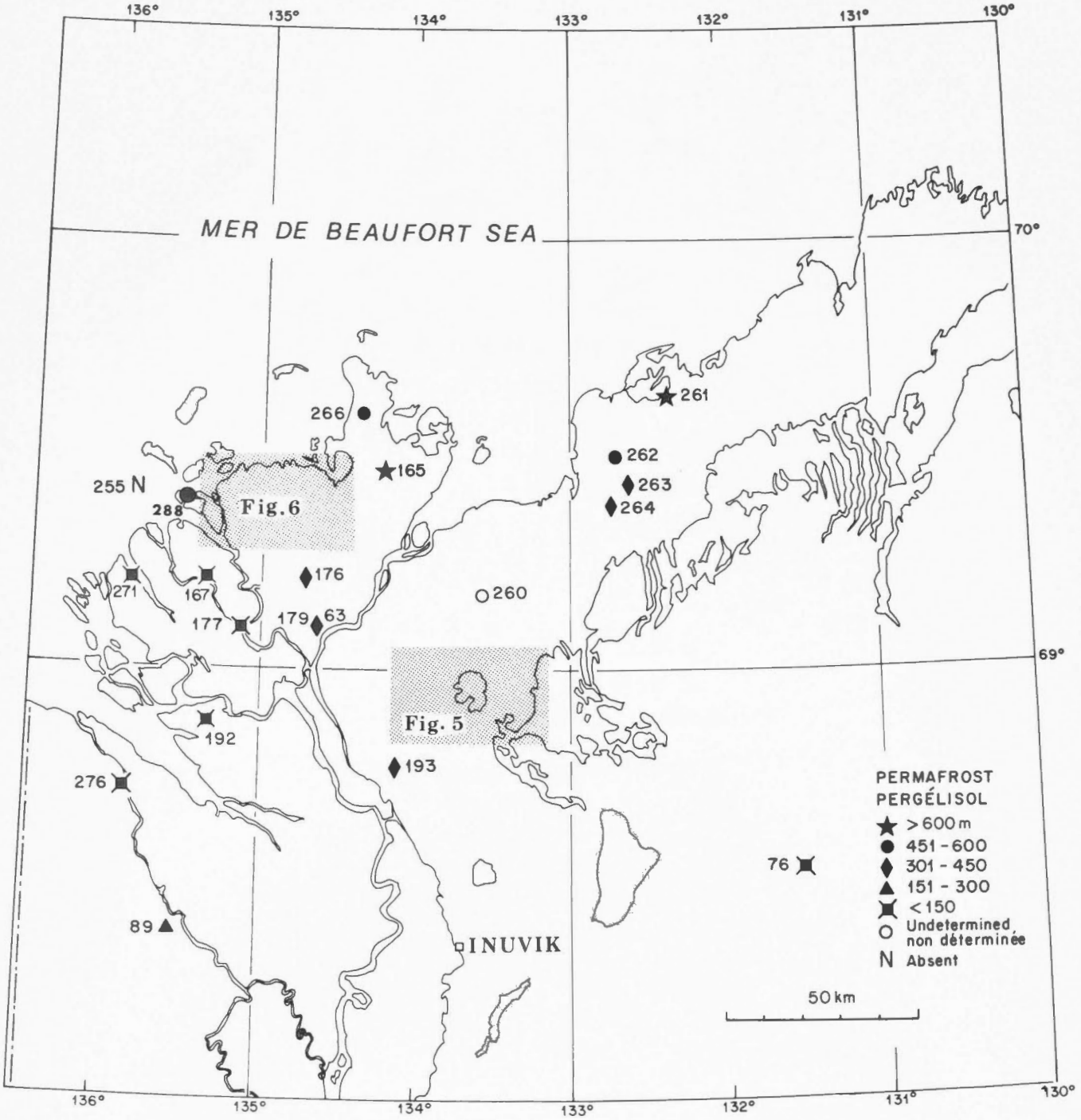
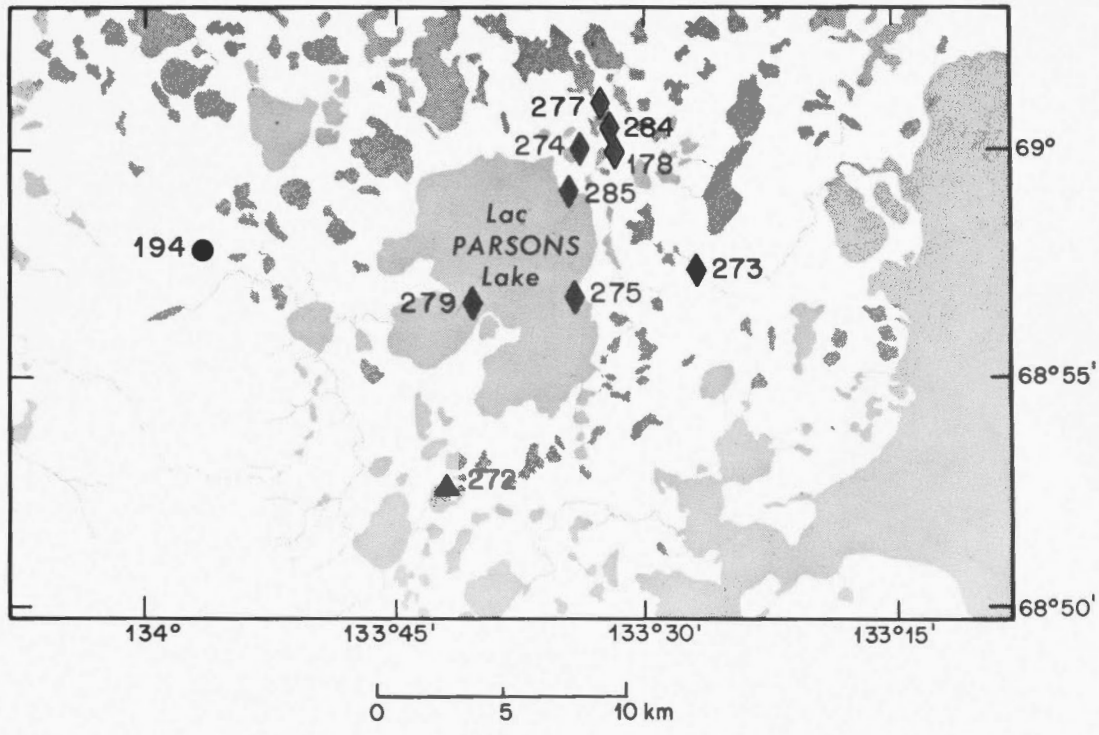


Figure 4. Site locations and permafrost thicknesses in the Mackenzie Delta and Tuktoyaktuk Peninsula area. The numerals are Earth Physics Branch file numbers.

Figure 4. Emplacement des sites et épaisseur du pergélisol dans la région du delta du Mackenzie et de la péninsule de Tuktoyaktuk. Les numéros sont ceux qui figurent dans le fichier de la Direction de la physique du globe.



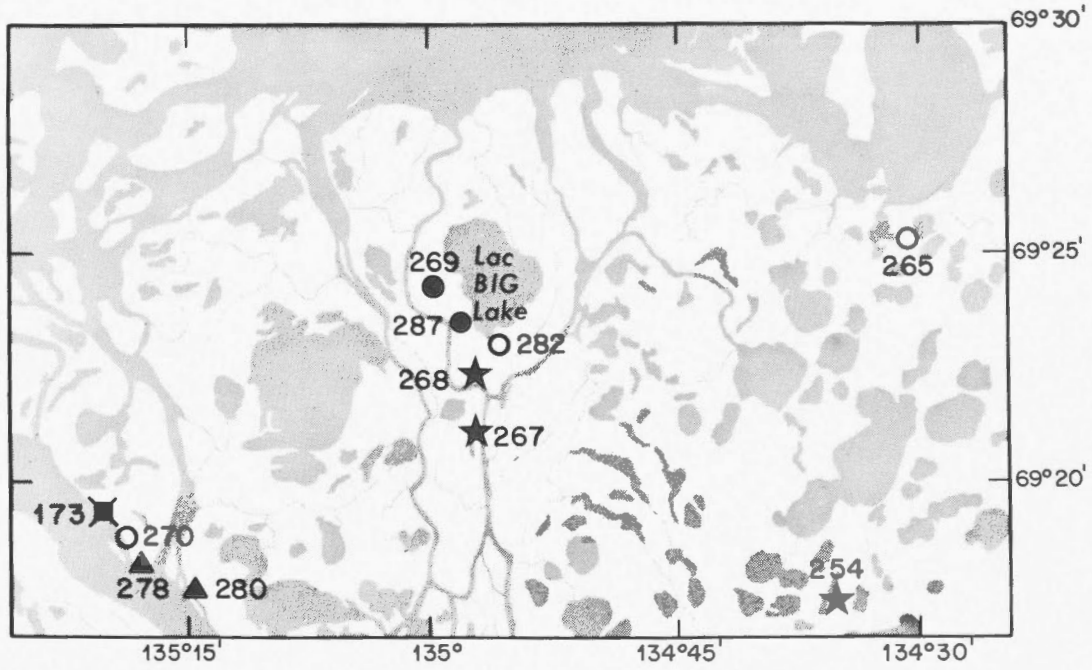


Figure 5 (upper). Site locations and permafrost thicknesses in the Parsons Lake, Mackenzie Delta area.

Figure 6 (lower). Site locations and permafrost thicknesses in the Richards Island, Mackenzie Delta area. The numerals are Earth Physics Branch file numbers.

Figure 5 (en haut). Emplacement des sites et épaisseur du pergélisol dans la région du lac Parsons, delta du Mackenzie.

Figure 6 (en bas). Emplacement des sites et épaisseur du pergélisol dans la région de l'île Richards, delta du Mackenzie. Les numéros sont ceux qui figurent dans le fichier de la Direction de la physique du globe.

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 a well did not completely penetrate the permafrost and temperatures have been extrapolated to greater depths, the value is preceded by 'X'. 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. In cases where the measurements did not fully penetrate permafrost and the measurements are unsuitable for extrapolation, a '*' appears in column 5. 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'. 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. Lorsque le puits n'a pas complètement pénétré dans le pergélisol, et que les mesures ne se prêtent pas à une extrapolation, un '*' apparait à la colonne 5. 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 1 to 6.

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 1 à 6.

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	Z FROZEN GELEE	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 553		21	4.5	10
175	GEMINI E-10	79 59.4	84 4.2	E 502		13	20	11
97	FOSHEIM N-27	79 36.9	84 43.3	300+		.02	7	1
166	MOKKA A-62	79 31.2	87 1.2	EX500		11	3	11
169	LOUISE BAY O-25	78 44.9	102 42.0	E 256		19	13	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		13	.1	10
170	THOR P-38	78 7.8	103 15.2	E 336		52	.1	10
86	HOODOO DOME H-37	78 6.5	99 45.6	E 306		8.7	13	10
158	BROCK I-26	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	.01	11
256	SUTHERLAND O-23	77 42.9	102 8.5	E 320		3.7	1	11
258	PAT BAY A-72	77 21.0	105 27.0	300+		12	2	10
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		68	.1	10
198	DRAKE O-68	76 27.1	108 55.7	210+		.5	12	3
172	DRAKE B-44	76 23.1	108 16.1	E 190		45	.05	10
259	DRAKE O-73	76 22.1	108 29.5	E 289		65	3	11
190	BENT HORN N-72	76 21.8	103 58.2	E 726	680+-15	11	2	11
286	BENT HORN N-72A	76 21.5	103 58.2	639+		16	2	11
200	HECLA I-69	76 18.7	110 23.3	E 144		22	.3	10
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+		15	1.6	6
73	WINTER HARBOUR	74 48.1	110 30.6	E 535		19	1	1
0	RESOLUTE 1	74 41.0	94 53.8	X 360			.1	1
55	LOBITOS RESOLUTE L-41	74 40.7	94 44.6	EX600		34	1.3	1
108	DUNDAS C-80	74 33.0	113 23.0	E 577		20	21	11
92	GARNIER J-21	73 40.9	90 36.8	500+		.02	2	1
96	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		47	3	3
MACKENZIE DELTA					DELTA DU MACKENZIE			
261	KIMIK O-29	69 30.1	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-20	69 25.9	132 37.4	362+		33	.3	6
265	MALLIK A-06	69 25.0	134 30.3	*		7	.3	6
255	ADGO P-25	69 24.9	135 50.5	0		3.5	0	6
209	TAGLU O-55	69 24.2	134 59.6	500+		21	1	11
288	GARRY P-64	69 23.8	135 30.3	502+		17	.4	11
287	TAGLU H-54	69 23.3	134 58.1	504+		5.4	.2	11
264	PIKIOLIK E-54	69 23.2	132 44.6	432+		34	.2	10
282	TAGLU N-43	69 22.8	134 56.3	*		115	.5	11
208	TAGLU J-43	69 22.3	134 56.8	X 670		20	.3	11
260	KUMAK E-58	69 17.5	135 14.9	E 272		4.1	.2	11
267	TAGLU C-42	69 21.0	134 56.6	X 600+		22	.2	11
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	*		1.3	.2	6
278	NIGLINTGAK B-19	69 18.2	135 18.3	E 173	168+-15	13	.5	11
254	YA YA A-28	69 17.2	134 35.5	EX656		15	.3	11
176	YA YA P-53	69 12.6	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
200	KED FOX P-21	69 10.8	133 35.0	*		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 340	343+- 8	18	.2	11
284	SIKU E-21	69 .5	133 36.9	377+	389+- 8	6	.5	11
274	SIKU O-11	69 0.0	133 38.8	E 376	358+- 8	14	.2	11
178	PARSONS A-1.	68 59.8	133 31.8	E 354	341+-15	20	.3	11
285	PARSONS O-20	68 59.2	133 34.4	E 356	352+- 8	35	.1	11
273	KAMIK O-48	68 57.2	133 27.5	EX362		8	1	11
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 350	320+-15	7	.1	11
279	PARSONS L-37	68 56.7	133 39.9	X 300+		4.7	.1	11
192	KUGPIK J-13	68 52.8	135 18.2	E 85		9	.1	11
272	PARSONS L-43	68 52.6	133 41.9	E 296	259+-15	17	.2	11
193	IKMIL I-37	68 48.6	134 7.8	E 346	341+- 8	7	1	11
276	ULU A-35	68 44.0	135 52.9	E 90		3.5	.4	11
94	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	Z FROZEN / GELEE	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 D-62	68 51.0	126 47.3	309+	314+- 8	8	2	11
76	KUGALUK N-62	68 32.0	131 31.3	E 102		4	.5	1
253	TEDJI LAKE K-24	67 43.6	126 49.9	E 456		34	.2	11
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	138 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
190	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 52.6	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	35	3
66	YELLOWKNIFE	62 30.5	114 25.3	0		18	.08	1
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
233	KENTY LAKE -1	61 29.2	74 26.4	X 500		70	0.5	11
70	PROVIDENCE A-47	61 26.2	117 22.5	0		78	18	1

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. 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. LE PRESENTE VOLUME.

ACKNOWLEDGEMENTS

The authors would like to acknowledge with grateful thanks the many individuals and organizations who have assisted in the data acquisition. New wells were made available this year through the courtesy of Gulf Oil Canada Ltd., Imperial Oil Limited, Panarctic Oils Ltd., Sun Canada Ltd., Mobil Oil Ltd., Shell Canada Ltd., the Asbestos Corporation of Canada Ltd. and Cominco Ltd. Logistic support for the work was provided by the Polar Continental Shelf Project, by the Environmental-Social Program - Northern Pipelines, by Department of Indian and Northern Affairs, and by the Earth Physics Branch. Assistance in equipment preparation and in field work was provided by V. Allen, J. Collyer, T. Furmanczyk, C. Morton and D. Williams of EPB, and M. Smith, of D.I.N.A. Permafrost maps were drafted by S. Cumyn. To all of these we offer our special thanks.

The results contained in this report are part of a continuing northern program of the Geothermal Service of the Earth Physics Branch, EMR.

REMERCIEMENTS

Les auteurs désirent remercier cordialement les nombreuses personnes et organisations qui les ont aidés à obtenir les données nécessaires. Les résultats relatifs aux nouveaux puits leur ont été aimablement fournis cette année par Gulf Oil Canada Ltd., Imperial Oil Limited, Panarctic Oils Ltd., Sun Canada Ltd., Mobil Oil Ltd., Shell Canada Ltd., Asbestos Corporation of Canada Ltd. et Cominco Ltd. Le support logistique pour ce travail a été fourni par le projet d'étude du plateau continental polaire (Polar Continental Shelf Project), le programme d'étude des répercussions sur l'environnement et le milieu humain des pipelines construits dans le Grand Nord (Environmental-Social Program-Northern Pipelines), le Ministère des affaires Indiennes et du Nord et la Direction de la physique du globe. V. Allen, J. Collyer, T. Furmanczyk, C. Morton et D. Williams de la Diretion de la physique du globe, et M. Smith du Ministère des Affaires Indiennes et du Nord, nous ont offert leur aide pour la mise en place de l'appareillage et l'exécution des travaux sur le terrain. Les cartes de pergélisol furent préparées par S. Cumyn. Nous leur présentons nos remerciements les plus cordiaux.

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.

63 REINDEER D-27

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 6.1 MINUTES NORTH
134 DEGREES 36.9 MINUTES WEST

69 DEGRES 6.1 MINUTES NORD
134 DEGRES 36.9 MINUTES OUEST

ELEVATION 29 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

	DATE 9 7 66	DATE 2 7 67	DATE 2 7 68	DATE 14 7 69	DATE 29 7 70	DATE 12 8 71	DATE 19 7 72	DATE 15 8 74	DATE 24 7 75	DATE 17 7 78
DEPTH (M)	TEMP (C)	TEMP (C)	TEMP (C)	TEMP (C)	TEMP (C)	TEMP (C)	TEMP (C)	TEMP (C)	TEMP (C)	TEMP (C)
3.0				8.95	19.00	6.91	23.00	13.25	4.52	6.72
18.3	-.09		-5.66	-5.77	-5.92	-6.36	-6.42	-6.54	-6.42	-7.69
48.8	-.16		-4.84	-5.10	-5.23	-5.32	-5.39	-5.50	-5.52	-5.58
79.2	-.19	-2.86	-4.32	-4.69	-4.87	-4.95	-5.00	-5.08	-5.09	-5.14
109.7	-.17	-.95	-3.18	-3.66	-3.93	-4.19	-4.40	-4.60	-4.65	-4.74
140.2	-.25	-1.13	-2.44	-3.29	-3.61	-3.79	-3.93	-4.16	-4.20	-4.30
170.7	-.40	-2.13	-2.95	-3.28	-3.42	-3.50	-3.57	-3.66	-3.67	-3.74
201.2	-.41	-1.76	-2.41	-2.68	-2.82	-2.91	-2.97	-3.04	-3.05	-3.11
231.6	-.42	-1.32	-1.83	-2.08	-2.23	-2.30	-2.35	-2.42	-2.44	-2.49
262.1	-.26	-.46	-.78	-1.48	-1.66	-1.71	-1.77	-1.83	-1.84	-1.91
292.6	-.12	-.37	-.51	-.71	-.91	-1.01	-1.10	-1.21	-1.23	-1.28
323.1	-.22	-.34	-.38	-.42	-.50	-.54	-.59	-.70	-.74	-.80
353.6	.50	-.05	-.18	-.20	-.23	-.24	-.25	-.27	-.27	-.29
384.0	2.53	1.27	.90	.73	.66	.58	.53	.50	.47	.43
414.5	3.28	2.05	1.71	1.55	1.45	1.40	1.36	1.30	1.28	1.25
445.0	3.95	2.76	2.43	2.27	2.17	2.12	2.09	2.05	2.02	1.98
475.5	4.75	3.55	3.23	3.07	2.96	2.91	2.88	2.83	2.82	2.79
506.0	5.42	4.24	3.92	3.78	3.69	3.63	3.60	3.54	3.53	3.49
536.4	6.14	4.98	4.65	4.51	4.44	4.36	4.33	4.29	4.27	4.24
566.9	6.89	5.72	5.43	5.26	5.17	5.13	5.09	5.04	5.03	5.00
597.4	7.74	6.66	6.36	6.23	6.14	6.11	6.07	6.02	6.01	5.97

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

B.A., SHELL, I.O.E. REINDEER D-27
-WELL SPUDDED 8 7 65
-DRILLING FOR 181 DAYS
-TOTAL DEPTH 3861 METRES
-WELL ABANDONED 5 1 66

CABLE INSTALLED BY EARTH PHYSICS BRANCH. MEASUREMENTS BY E.P.B. AND U.B.C.

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

B.A., SHELL, I.O.E. REINDEER D-27
-DEMARRAGE DU PUITS LE 8 7 65
-FORAGE PENDANT 181 JOURS
-PROFONDEUR TOTALE 3861 METRES
-ABANDON DU PUITS LE 5 1 66

CABLE INSTALLE PAR LA DIRECTION DE LA PHYSIQUE DU GLOBE. SONDAGES PRIS PAR D.P.G. ET U.C.-B.

EARTH PHYSICS BRANCH NO.

77 HORTON RIVER

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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69 DEGREES 51.4 MINUTES NORTH
127 DEGREES 15.9 MINUTES WEST

69 DEGRES 51.4 MINUTES NORD
127 DEGRES 15.9 MINUTES OUEST

ELEVATION 34 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 26 9 70		DATE 14 8 71		DATE 18 7 72		DATE 11 7 76		DATE 20 7 78	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
21.3	-6.10	15.6	-7.08	11.3	-8.19	15.2	-8.13	15.2	-7.71
36.6	-5.67	30.6	-6.73	20.1	-7.65	30.5	-7.36	30.8	-7.25
51.8	-5.08	46.2	-6.19	27.7	-7.25	61.0	-5.88	46.0	-6.71
67.1	-4.18	61.2	-5.39	36.0	-7.01	91.1	-3.79	61.0	-5.94
82.3	-3.47	68.9	-4.89	43.9	-6.72	121.9	-1.48	76.2	-4.88
97.5	-2.57	76.5	-4.35	51.5	-6.41	152.4	.59	91.1	-3.85
112.8	-1.45	84.2	-3.86	58.8	-6.02	182.9	3.58	106.7	-2.59
128.0	.04	91.8	-3.35	66.8	-5.70	213.4	6.03	121.9	-1.22
143.3	1.42	100.1	-2.79	74.4	-5.12	243.8	7.66	137.2	.14
158.5	2.77	107.4	-2.19	82.6	-4.53	274.3	9.49	152.4	1.55
173.7	4.08	115.1	-1.53	90.2	-3.96	304.8	10.94	167.9	2.71
189.0	5.18	122.4	-.95	97.8	-3.51	335.0	12.97	182.6	3.99
204.2	6.35	130.4	-.16	105.5	-2.89	346.3	13.32	198.1	5.13
219.5	7.17	138.3	.48	113.4	-2.38			213.4	6.19
234.7	8.03	145.4	1.18	121.0	-1.68			228.6	7.09
249.9	8.88	153.0	1.91	129.2	-.94			243.5	7.85
265.2	9.70	161.0	2.55	136.9	-.35			259.4	8.85
280.4	10.45	168.3	3.10	144.8	.45			274.0	9.62
295.7	11.13	176.3	3.76	152.1	1.14			289.3	10.31
310.9	11.92	183.9	4.30	160.0	1.79			304.5	11.07
326.1	12.65	191.3	4.91	167.6	2.30			320.0	11.84
341.4	13.62	198.9	5.52	175.6	3.12			335.0	12.97
350.5	13.90	206.6	6.08	183.5	3.65			344.4	13.33
		214.2	6.49	191.4	4.24				
		222.2	6.93	199.3	4.87				
		229.5	7.36	206.7	5.41				
		237.5	7.80	214.6	5.93				
		244.8	8.20	222.5	6.36				
		260.4	9.10	230.1	6.83				
		276.9	9.89	238.0	7.27				
		291.0	10.56	246.0	7.66				
		306.0	11.27	253.6	8.09				
		321.6	12.08	261.5	8.53				
		336.6	12.84	269.4	8.98				
		344.3	13.36	277.1	9.36				
		351.9	13.56	285.0	9.74				
				292.9	10.10				
				300.8	10.46				
				308.5	10.87				
				316.1	11.25				
				324.3	11.65				
				332.2	12.03				
				340.2	12.59				
				348.1	13.13				
				355.4	13.29				
				363.3	13.48				

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

ELF HORTON RIVER G-02
-WELL SPUDDED 9 11 69
-DRILLING FOR 65 DAYS
-TOTAL DEPTH 2478 METRES
-DRILLING STOPPED 15 1 70
-WELL ABANDONED 22 1 70

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

ELF HORTON RIVER G-02
-DEMARRAGE DU PUITS LE 9 11 69
-FORAGE PENDANT 65 JOURS
-PROFONDEUR TOTALE 2478 METRES
-FORAGE ARRETE LE 15 1 70
-ABANDON DU PUITS LE 22 1 70

EARTH PHYSICS BRANCH NO.
114 ASBESTOS HILL -6
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

61 DEGREES 49.2 MINUTES NORTH
73 DEGREES 57.6 MINUTES WEST

61 DEGRES 49.2 MINUTES NORD
73 DEGRES 57.6 MINUTES OUEST

ELEVATION 420 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
30 8 78

DEPTH (M)	TEMP (C)
398.3	-3.19
399.7	-3.08
401.2	-2.97
404.0	-2.93
406.9	-2.57
412.6	-2.55
419.8	-1.89
426.9	-1.82
434.1	-1.71
438.4	-1.62

TEMPERATURE RESULTS ARE OBTAINED FROM A MULTITHERMISTOR CABLE.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR D'UN CABLE A THERMISTORS MULTIPLES.
LE SONDAGE DE CE PUITS EST TERMINE.

SOC. ASBESTOS/ASBESTOS CORP. 76-AH-3017
-WELL SPUDDED 7 76

SOC. ASBESTOS/ASBESTOS CORP. 76-AH-3017
-DEMARRAGE DU PUITS LE 7 76

WELL DIRECTIONALLY DRILLED. DEPTHS IN TABLES HAVE BEEN CONVERTED TO VERTICAL.
ELEVATION OF COLLAR, 79M.
ELEVATION OF SURFACE PROJECTION, 420M.

FORAGE OBLIQUE DU PUITS.
PROFONDEURS INDIQUEES DANS LES TABLES ONT ETE RAMENEES A LA VERTICALE. ALTITUDE DU COLLET, 79M.
ALTITUDE DE LA PROJECTION A LA SURFACE, 420M.

EARTH PHYSICS BRANCH NO. 114 ASBESTOS HILL -7

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

61 DEGREES 49.4 MINUTES NORTH
73 DEGREES 57.3 MINUTES WEST

61 DEGRES 49.4 MINUTES NORD
73 DEGRES 57.3 MINUTES OUEST

ELEVATION 420 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
30 8 78

DEPTH (M)	TEMP (C)
390.2	-2.21
391.3	-1.83
393.6	-1.80
395.8	-1.80
400.3	-1.77
405.8	-1.76
411.4	-1.75
417.0	-1.73
422.6	-1.62
428.1	-1.58
433.7	-1.55
439.3	-1.54
444.8	-1.36
450.4	-1.21

TEMPERATURE RESULTS ARE OBTAINED FROM A MULTITHERMISTOR CABLE.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR D'UN CABLE A THERMISTORS MULTIPLES.
LE SONDAGE DE CE PUITS EST TERMINE.

SOC. ASBESTOS/ASBESTOS CORP. 77-AH-3092
-WELL SPUDDED 2 77

SOC. ASBESTOS/ASBESTOS CORP. 77-AH-3092
-DEMARRAGE DU PUITS LE 2 77

WELL DIRECTIONALLY DRILLED. DEPTHS IN TABLES HAVE BEEN CONVERTED TO VERTICAL.
ELEVATION OF COLLAR, 32M.
ELEVATION OF SURFACE PROJECTION, 420M.

FORAGE OBLIQUE DU PUITS.
PROFONDEURS INDIQUEES DANS LES TABLES ONT ETE RAMENEES A LA VERTICALE. ALTITUDE DU COLLET, 32M.
ALTITUDE DE LA PROJECTION A LA SURFACE, 420M.

EARTH PHYSICS BRANCH NO.

165 KILAGMIOTAK F-48

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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69 DEGREES 27.5 MINUTES NORTH
134 DEGREES 11.9 MINUTES WEST

69 DEGRES 27.5 MINUTES NORD
134 DEGRES 11.9 MINUTES OUEST

ELEVATION 23 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 1 4 73		DATE 19 6 73		DATE 4 2 74		DATE 15 8 74		DATE 24 7 75		DATE 1 5 76		DATE 18 3 77		DATE 17 7 78	
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)
16.5	-6.81	14.9	-6.80	18.9	-8.73	13.1	-8.00	14.0	6.31	30.2	-7.56	30.5	-8.58	14.9	-8.00
31.1	-4.94	29.8	-5.35	34.7	-7.21	28.0	-6.99	29.0	-7.20	45.7	-7.12	61.3	-7.42	30.5	-7.65
45.7	-4.21	44.7	-5.40	65.2	-6.40	57.9	-6.58	44.2	-7.03	61.0	-6.99	91.7	-6.75	61.3	-7.12
61.0	-4.21	59.5	-5.43	95.7	-5.95	88.1	-6.30	59.1	-6.86	91.7	-6.67	121.9	-6.37	91.4	-6.83
77.1	-3.90	74.7	-5.29	126.2	-5.20	118.0	-5.84	74.7	-6.74	121.9	-6.32	152.4	-5.88	122.2	-6.42
91.4	-3.21	89.3	-4.38	156.4	-4.65	147.5	-5.26	89.6	-6.58	152.4	-5.78	182.9	-5.53	152.7	-5.98
107.6	-2.68	104.2	-4.63	186.5	-4.16	177.4	-5.00	105.2	-6.33	182.9	-5.50	213.4	-5.15	182.9	-5.62
121.9	-1.42	119.4	-3.74	217.0	-3.80	207.3	-4.56	120.4	-6.12	213.4	-5.11	243.8	-4.81	213.4	-5.22
137.2	-.67	134.0	-2.66	247.2	-3.04	237.4	-4.28	135.3	-5.78	243.8	-4.82	274.3	-4.45	244.1	-4.88
152.4	-.58	148.8	-1.18	277.4	-2.07	267.3	-3.83	150.9	-5.57	274.3	-4.48	304.8	-4.07	274.6	-4.55
167.6	-.52	163.7	-.91	307.8	-1.38	296.9	-1.39	166.1	-5.51	304.8	-3.96	329.2	-3.98	305.1	-4.20
182.9	-.60	178.6	-1.19	323.1	-1.04	311.8	-1.68	181.4	-5.28	328.9	-3.89			313.9	-4.08
198.1	-.58	193.5	-.84					196.9	-5.05						
213.4	-.56	208.4	-.70					212.1	-4.91						
228.6	-.58	223.2	-.76					227.7	-4.75						
243.8	-.59	238.1	-.77					243.2	-4.58						
259.1	-.58	253.0	-.67					258.2	-4.45						
274.3	-.59	268.2	-.71					273.4	-4.13						
289.6	-.62	282.8	-.67					288.6	-3.75						
304.8	-.63	297.7	-.67					303.6	-3.43						
320.0	-.63	312.5	-.67					321.3	-3.45						
335.3	-.22	327.4	-.27												
350.5	-.25														
365.8	-.28														
381.0	-.36														

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

GULF MOBIL KILAGMIOTAK F-48
-WELL SPUDDED 4 2 72
-DRILLING FOR 268 DAYS
-TOTAL DEPTH 4772 METRES
-DRILLING STOPPED 21 8 72
-WELL ABANDONED 12 10 72

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

GULF MOBIL KILAGMIOTAK F-48
-DEMARRAGE DU PUITS LE 4 2 72
-FORAGE PENDANT 268 JOURS
-PROFONDEUR TOTALE 4772 METRES
-FORAGE ARRETE LE 21 8 72
-ABANDON DU PUITS LE 12 10 72

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

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DEPTH (M)	DATE 14 4 73 TEMP (C)	DATE 23 5 74 TEMP (C)	DATE 13 5 75 TEMP (C)	DATE 8 5 76 TEMP (C)	DATE 25 5 78 TEMP (C)
0.0	-2.80				
15.2	-4.40			-14.20	-15.00
30.5	-6.10	-12.90	-13.10	-14.10	-14.40
45.7	-7.80	-12.60	-13.10	-13.70	-14.00
61.0	-7.80	-12.40	-13.10	-13.80	
76.2	-7.20	-12.20	-12.40	-13.50	-13.70
91.4	-6.70	-11.70		-13.20	-13.50
106.7	-6.10	-11.20	-11.80	-12.70	-12.90
121.9					
137.2		-10.40	-11.00	-11.70	-11.90
152.4	-6.10	-9.70		-10.60	-10.70
167.6	-5.60	-9.10	-9.60	-10.40	-10.50
182.9	-6.70	-8.90	-9.40	-9.80	-10.10
198.1	-5.60	-8.10	-8.90	-9.40	-9.40
213.4	-5.60	-7.60	-8.20	-8.80	-9.00
228.6	-6.70	-7.30	-7.90	-8.60	-8.80
243.8	-6.70	-6.90	-7.50	-8.10	
259.1	-5.00	-6.30	-7.40	-7.50	-7.50
274.3	-5.00	-5.90	-6.70		-7.30
289.6	-4.40	-5.50	-6.20	-6.70	-7.40
320.0	-5.60	-4.60	-5.40	-5.90	-6.40
350.5	-3.90	-3.70	-4.40	-4.60	-4.60
381.0	-4.40	-2.50	-3.30	-3.70	-4.00
411.5	-3.90	-1.70	-2.20	-2.80	-3.00
442.0	-3.90	-1.00	-1.20	-1.90	-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 17 10 72
-DRILLING FOR 170 DAYS
-TOTAL DEPTH 3300 METRES
-DRILLING STOPPED 5 4 73
-WELL ABANDONED 15 4 73

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

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. 157 UNIPKAT I-22
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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69 DEGREES 11.7 MINUTES NORTH
135 DEGREES 20.5 MINUTES WEST

69 DEGRES 11.7 MINUTES NORD
135 DEGRES 20.5 MINUTES OUEST

ELEVATION 5 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 1 4 73		DATE 25 4 73		DATE 20 6 73		DATE 3 11 73		DATE 4 2 74		DATE 15 8 74		DATE 22 7 75	
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	-.19	15.2	-1.90	14.9	-.70	15.2	-2.22	14.6	-1.46	13.4	-2.55	15.2	-3.43
30.5	.72	30.5	-.70	30.1	-.31	30.5	-1.33	29.9	-.99	28.3	-.79	30.5	-1.25
45.7	2.65	45.7	1.00	59.5	1.56	45.7	-1.33	60.4	.27	58.2	-.58	61.0	-.77
61.0	4.59	61.0	2.40	89.3	3.74	61.0	-.83	90.8	1.81	88.1	1.19	91.7	.87
76.2	6.18	76.2	4.10	119.1	5.35	76.2	.44	121.3	3.42	118.3	2.72	121.9	2.28
91.4	6.93	91.4	5.10	148.8	6.42	91.4	1.39	151.8	4.84	148.1	3.74	152.7	3.58
106.7	8.14	106.7	5.90	178.6	7.56	106.7	1.94	182.3	5.98	178.0	5.05	183.2	4.68
121.9	8.87	121.9	6.80	208.4	8.93	121.9	2.78	212.8	7.35	208.2	6.46	213.4	6.21
137.2	8.94	137.2	7.00	238.1	9.78	137.2	3.33	243.2	8.19	238.0	7.42	243.8	7.17
152.4	9.88	152.4	7.80	267.9	10.66	152.4	4.06	273.7	9.18	267.9	8.34	274.3	8.18
182.9	10.83	167.6	8.40	297.7	11.16	167.6	4.78	304.5	9.61	297.2	9.11	304.8	8.97
213.4	11.87	182.9	8.80	327.4	11.69	182.9	5.33	335.0	10.49	327.1	9.76	335.6	9.59
243.8	12.50	198.1	9.60	357.2	12.33	198.1	6.22	365.5	11.29	356.9	10.40	365.8	10.28
274.3	13.45	213.4	9.90	387.2	13.32	213.4	6.83	395.9	12.06	386.8	11.29	395.9	11.18
304.8	13.72	228.6	10.40	416.7	13.79	228.6	7.22	426.4	12.63	416.7	12.17	427.0	11.81
335.3	14.21	243.8	10.70	446.5	14.27	243.8	7.78	456.9	13.23	446.2	12.48	457.2	12.41
365.8	15.03	259.1	11.20	476.3	14.91	259.1	8.06	487.7	14.04	476.1	13.13	487.7	13.13
396.2	15.76	274.3	11.50	506.3	15.62	274.3	8.61	518.2	14.58	506.0	13.90	518.2	13.83
426.7	16.15	289.6	11.80	535.8	16.15	289.6	8.89	548.5	15.39	535.8	14.48	548.6	14.55
457.2	16.66	304.8	12.00	565.6	17.08	304.8	9.22					579.1	15.34
487.7	17.55			595.3	17.68	335.3	9.78					609.6	16.13
518.2	17.83			625.1	18.38	365.8	10.56					640.4	16.83
548.6	18.76			654.8	18.95	396.2	11.33						
579.1	19.23			684.6	19.55	426.7	11.89						
609.6	20.22			714.4	20.20	457.2	12.44						
640.1	20.52					487.7	13.11						
670.6	21.12					518.2	13.67						
701.0	21.77					548.6	14.44						
731.5	23.07					579.1	15.22						
						609.6	16.00						
						640.1	16.67						
						670.6	17.22						
						701.0	17.78						
						731.5	18.61						

(CONTINUED...)
(SUITE...)

EARTH PHYSICS BRANCH NO. 157 UNIPKAT I-22

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 11.7 MINUTES NORTH
135 DEGREES 20.5 MINUTES WEST

69 DEGRES 11.7 MINUTES NORD
135 DEGRES 20.5 MINUTES OUEST

ELEVATION 5 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

	DATE 27 4 76		DATE 21 7 78	
	Z(M)	T(C)	Z(M)	T(C)
	15.5	-4.38	15.2	-4.14
	30.5	-1.63	30.8	-2.17
	45.7	-1.18	45.7	-1.42
	61.0	-.82	61.0	-.89
	91.7	.58	91.4	.39
(...CONTINUED)	121.9	2.00	121.9	1.91
(...SUITE)	152.4	3.09	152.4	3.11
	182.9	4.43	182.9	4.46
	213.4	5.95	213.4	5.95
	243.8	6.90	243.5	6.88
	274.3	7.82	274.3	7.94
	304.8	8.68	304.8	8.70
	335.0	9.33	335.6	9.34
	365.5	9.98	365.8	10.03
	396.2	10.83	396.2	10.94
	426.4	11.52	426.4	11.61
	457.2	12.08	457.2	12.42
	487.7	12.73	487.7	12.91
			518.2	13.62
			548.6	14.33
			579.1	15.14

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.

SHELL UNIPKAT I-22
- -WELL SPUDDED 8 9 72
- -DRILLING FOR 179 DAYS
- -TOTAL DEPTH 4361 METRES
- -WELL ABANDONED 6 3 73

SHELL UNIPKAT I-22
- -DEMARRAGE DU PUITS LE 8 9 72
- -FORAGE PENDANT 179 JOURS
- -PROFONDEUR TOTALE 4361 METRES
- -ABANDON DU PUITS LE 6 3 73

LOGS OF 25 4 73 AND 03 11 73 TAKEN BY SHELL.

SONDAGES DU 25 4 73 ET 03 11 73 PRIS PAR SHELL.

EARTH PHYSICS BRANCH NO. 158 DUNDAS C-80
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

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 28 4 73		DATE 25 5 74		DATE 7 5 75		DATE 19 5 76		DATE 26 5 78	
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
44.5	-12.54	31.7	-14.19	26.5	-14.17	30.8	-14.44	16.9	-15.15
95.1	-11.37	46.6	-14.13	34.1	-14.29	45.7	-14.41	31.3	-14.71
141.0	-9.49	61.9	-13.90	49.4	-14.31	61.0	-14.22	47.0	-14.50
177.6	-8.75	77.4	-13.43	64.6	-14.01	76.2	-13.85	63.6	-14.23
212.0	-7.86	93.3	-13.10	79.9	-13.61	91.4	-13.53	77.4	-13.90
243.7	-6.66	108.8	-12.52	95.1	-13.25	107.0	-13.07	92.8	-13.50
276.4	-5.62	125.0	-11.82	110.3	-12.75	122.2	-12.41	107.8	-13.09
307.3	-4.80	140.2	-11.25	125.6	-12.01	137.5	-11.78	123.5	-12.49
338.2	-3.60	155.8	-10.85	140.8	-11.53	152.7	-11.33	138.9	-11.82
369.1	-2.88	171.3	-10.54	156.1	-11.06	167.6	-10.99	154.2	-11.36
399.6	-2.61	186.8	-10.19	171.3	-10.72	182.9	-10.66	169.6	-11.01
430.1	-1.73	202.7	-9.86	186.5	-10.39	198.1	-10.33	185.0	-10.70
460.6	-1.16	218.5	-9.48	201.8	-10.06	213.4	-10.02	200.6	-10.34
491.0	-.72	236.5	-8.93	217.0	-9.74	228.6	-9.64	216.0	-10.03
521.5	.03	253.3	-8.53	232.3	-9.29	244.1	-9.24	232.3	-9.60
551.7	1.65	269.1	-8.00	247.5	-8.89	259.1	-8.86	246.4	-9.31
582.5	2.93	284.7	-7.52	262.7	-8.43	274.3	-8.34	261.8	-8.82
613.0	3.91	300.8	-7.26	278.0	-7.89	289.6	-7.87	277.5	-8.24
643.4	4.97	316.7	-6.70	293.2	-7.58	304.8	-7.59	292.5	-7.84
652.6	5.21	331.6	-6.21	308.5	-7.22	320.3	-7.15	307.9	-7.54
		346.6	-5.53	323.7	-6.67	335.3	-6.59	323.3	-7.02
		361.2	-5.27	339.5	-6.08	350.5	-6.09	338.6	-6.53
		376.4	-5.10	354.8	-5.61	365.8	-5.71	354.0	-5.92
		391.1	-4.78	370.3	-5.38	381.0	-5.47	369.3	-5.58
		406.3	-4.48	385.6	-5.16	396.2	-5.21	384.7	-5.38
		421.2	-4.17	416.4	-4.58	411.5	-4.92	400.4	-5.09
		435.9	-3.62	447.4	-3.63	426.7	-4.66	415.4	-4.81
		450.8	-3.25	478.2	-3.00	442.0	-4.18	431.1	-4.42
		465.7	-3.01	508.7	-2.10	457.5	-3.66	446.1	-3.96
		480.7	-2.64	539.5	-1.24	472.4	-3.42	461.5	-3.65
		495.6	-2.25	570.3	.18	487.7	-2.92	476.9	-3.34
		510.5	-1.78	601.1	1.37	503.2	-2.50	491.9	-2.87
		525.5	-1.31	631.9	2.65	518.2	-2.07	507.6	-2.42
		540.4	-.71	659.6	3.75	533.7	-1.46	522.9	-1.98
		555.3	-.04			548.9	-1.04	538.6	-1.44
		570.3	.59			564.2	-.33	554.0	-.83
		585.2	1.16			579.1	.21	570.3	-.08
		600.2	1.81			594.4	.83	584.4	.53
		615.1	2.52			609.9	1.44	599.8	1.06
		630.0	3.13			625.1	2.15	615.1	1.77
		645.3	3.77			640.4	2.74	630.5	2.36
		659.9	3.86			655.3	3.35	645.8	3.00
						658.4	3.50	661.2	3.42

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

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

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

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

EARTH PHYSICS BRANCH NO. 173 NIGLINTGAK H-30

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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69 DEGREES 19.4 MINUTES NORTH
135 DEGREES 20.1 MINUTES WEST

69 DEGRES 19.4 MINUTES NORD
135 DEGRES 20.1 MINUTES OUEST

ELEVATION 2 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 20 4 73		DATE 19 6 73		DATE 3 11 73		DATE 4 2 74		DATE 22 7 75		DATE 28 4 76		DATE 21 7 78	
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)
13.4	3.30	14.9	-.42	15.2	-1.44	29.0	-1.50	15.2	-2.21	15.2	-3.00	15.5	-3.43
28.7	4.80	29.8	.36	30.5	-1.33	59.4	-1.07	30.5	-1.73	30.5	-2.05	30.2	-2.51
43.9	3.58	44.7	-.22	45.7	-1.33	89.9	-.85	45.7	-1.53	45.7	-1.78	45.4	-2.08
59.1	3.80	59.8	-.39	61.0	-1.33	120.4	.04	61.0	-1.27	61.0	-1.42	61.0	-1.68
74.4	4.70	74.4	-.01	76.2	-1.22	150.9	1.12	76.2	-.91	91.7	-.66	75.9	-1.31
89.6	5.90	89.3	.87	91.4	-.89	181.4	2.33	91.4	-.63	122.2	-.02	91.4	-.69
104.9	7.10	104.2	2.28	106.7	-.44	211.8	2.83	106.7	-.20	152.4	.70	106.4	-.36
120.1	8.10	119.1	3.86	121.9	.56	242.3	3.36	121.9	.24	183.2	1.20	122.2	-.06
135.3	8.10	134.0	4.25	137.2	1.11	263.0	3.61	137.5	.64	213.7	1.73	137.2	.30
150.6	8.00	148.8	4.26	152.4	1.39			152.4	.86	244.1	2.12	152.4	.59
165.8	8.40	164.0	4.55	167.6	1.67			167.9	1.13	270.1	2.49	167.3	.82
181.1	8.60	178.6	4.80	182.9	1.94			182.9	1.40			182.9	1.09
196.3	8.70	193.5	5.03	198.1	2.22			198.1	1.65			198.1	1.38
211.5	9.00	208.4	5.31	213.4	2.50			213.4	1.88			213.4	1.54
226.8	9.40	223.2	5.70	228.6	2.78			228.6	2.07			228.9	1.74
242.0	9.40	238.1	5.95	243.8	3.06			243.5	2.29			243.8	1.80
257.3	9.80	253.0	6.04	259.1	3.33			259.1	2.68			259.1	2.27
272.5	9.90	267.9	6.13	274.3	3.44			274.3	2.69				
287.7	9.80	282.8	6.12										
		297.7	6.12										

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.

SHELL NIGLINTGAK H-30
- -WELL SPUDDED 24 10 72
- -DRILLING FOR 165 DAYS
- -TOTAL DEPTH 2377 METRES
- -WELL ABANDONED 7 4 73

SHELL NIGLINTGAK H-30
- -DEMARRAGE DU PUITS LE 24 10 72
- -FORAGE PENDANT 165 JOURS
- -PROFONDEUR TOTALE 2377 METRES
- -ABANDON DU PUITS LE 7 4 73

LOGS OF 20 4 73 AND 3 11 73 TAKEN BY SHELL.

SONDAGES DU 20 4 73 ET 3 11 73 PRIS PAR SHELL.

EARTH PHYSICS BRANCH NO. 175 GEMINI E-10

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

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 30 4 73		DATE 22 5 74		DATE 12 5 75		DATE 8 5 76		DATE 18 5 77		DATE 24 5 78	
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	30.7	-14.99	33.8	-14.92	31.1	-15.84	30.8	-15.90	15.9	-7.60
69.8	-7.78	60.1	-14.60	65.8	-15.02	61.0	-15.36	62.0	-15.43	30.9	-15.93
101.5	-5.44	90.2	-13.83	96.3	-14.31	91.4	-14.68	92.2	-14.79	45.9	-15.79
132.3	-3.58	120.2	-13.14	126.5	-13.29	122.2	-13.89	123.7	-13.95	60.9	-15.51
162.8	-3.74	150.3	-11.41	157.0	-11.74	152.4	-12.24	154.2	-12.49	76.5	-15.20
193.2	-1.61	180.4	-9.79	187.5	-10.18	182.9	-10.84	185.1	-10.89	91.5	-14.83
223.4	-.31	210.4	-7.98	217.9	-8.41	213.4	-9.10	216.2	-9.09	107.4	-14.51
254.2	-.43	240.5	-7.36	248.7	-7.49	243.8	-7.87	246.8	-7.98	122.7	-14.05
284.7	.79	263.0	-6.32	278.9	-6.13	274.6	-6.71	277.9	-6.65	137.7	-13.35
315.2	-.06	285.6	-5.22	309.4	-5.08	304.8	-5.31	308.5	-5.41	153.0	-12.60
345.6	.11	308.1	-4.48	339.5	-4.14	335.6	-4.55	339.3	-4.54	168.6	-11.91
376.4	-.07	331.0	-4.09	370.6	-3.17	365.8	-3.64	370.1	-3.55	183.6	-11.06
406.9	.24	353.2	-3.15	401.1	-2.17	396.2	-2.88	401.0	-2.72	199.2	-10.14
436.8	1.48	375.7	-2.26	431.6	-1.06	427.0	-1.97	431.8	-1.61	214.5	-9.28
467.9	4.75	398.3	-1.51	461.8	-.58	457.5	-.93	462.7	-.73	229.2	-8.60
498.0	6.85	420.8	-.77	492.3	.50	487.7	-.38	493.5	-.28	245.1	-8.01
528.2	8.27	443.7	-.41	522.7	1.57	518.2	1.68	509.0	.11	260.4	-7.46
559.0	9.79	465.9	-.33	553.2	3.78	548.9	3.34	524.4	.74	275.7	-6.88
589.5	11.59	488.5	1.00	584.0	5.67	579.1	5.07	555.2	3.42	290.7	-6.13
620.3	12.96	511.3	2.06	614.2	7.28	609.6	6.65	586.1	5.18	306.3	-5.45
650.1	14.30	533.6	3.09	644.7	8.79	640.4	8.53	616.9	6.88	321.6	-5.00
680.6	15.79	556.4	4.32	675.1	10.43	670.6	9.81	648.1	8.63	336.6	-4.61
711.4	16.66	578.9	5.54	705.9	11.70	701.0	11.33	678.3	10.02	351.9	-4.09
741.9	17.61	601.2	6.82	736.1	12.84	731.5	12.40	709.1	11.38	367.2	-3.58
772.4	18.79	624.0	8.04	766.6	14.13	762.0	13.73			382.2	-3.19
802.5	19.75	646.3	9.24	797.1	15.44	792.8	14.95			398.1	-2.75
		668.8	10.39	827.5	16.66	823.0	16.16			413.1	-2.24
		691.3	11.38	858.0	18.23	853.4	17.71			428.7	-1.66
		713.9	12.26							444.0	-1.10
		736.5	13.05							458.7	-.70
		759.0	14.01							474.3	-.25
		781.5	14.86							489.6	.39
		804.1	15.87							504.9	1.03
		826.6	16.56							520.2	1.79
		849.2	17.83							551.4	3.54
		871.7	18.97							581.4	5.14
										611.7	6.87
										642.3	8.79
										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 14 10 72
-DRILLING FOR 145 DAYS
-TOTAL DEPTH 3845 METRES
-DRILLING STOPPED 8 3 73
-WELL ABANDONED 15 3 73

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

EARTH PHYSICS BRANCH NO.
176 YA YA P-53
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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69 DEGREES 12.8 MINUTES NORTH
134 DEGREES 42.7 MINUTES WEST

69 DEGRES 12.8 MINUTES NORD
134 DEGRES 42.7 MINUTES OUEST

ELEVATION 36 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 19 6 73		DATE 4 2 74		DATE 16 8 74		DATE 24 7 75		DATE 25 4 76		DATE 16 3 77		DATE 17 7 78	
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)
14.9	-5.40	32.3	-6.77	13.7	-7.18	14.0	-7.75	15.5	-8.35	30.8	-7.45	15.2	-7.71
29.8	-5.08	62.8	-5.91	28.7	-6.86	29.3	-7.14	30.8	-7.44	61.0	-6.65	30.8	-7.35
59.6	-4.04	93.3	-5.31	58.5	-6.25	59.7	-6.52	45.7	-6.84	91.7	-5.96	61.3	-6.60
89.5	-3.45	123.7	-4.44	88.4	-5.71	90.2	-5.94	61.0	-6.54	122.2	-5.16	91.7	-5.97
119.3	-1.46	154.2	-3.98	118.3	-4.93	120.7	-5.15	91.4	-5.95	152.4	-4.59	121.9	-5.22
149.4	-1.63	185.0	-3.58	148.4	-4.34	151.2	-4.53	121.9	-5.25	183.2	-4.14	152.7	-4.71
178.9	-.67	215.5	-3.01	178.3	-3.95	181.7	-4.05	152.7	-4.60	213.4	-3.67	183.2	-4.21
208.8	-.64	246.0	-2.30	208.2	-3.51	212.1	-3.63	182.9	-4.19	244.8	-3.13	213.7	-3.75
238.6	-.52	276.5	-1.96	237.7	-3.02	242.6	-3.19	213.4	-3.75	274.6	-2.64	244.1	-3.25
268.4	-.41	306.9	-1.25	267.6	-2.42	273.1	-2.60	243.8	-3.28	304.8	-2.27	274.3	-2.70
298.2	-.39	337.4	-1.01	297.5	-2.01	303.9	-2.23	274.3	-2.72	335.3	-1.84	304.8	-2.30
328.1	-.43	367.9	-.71	327.7	-1.58	334.7	-1.76	304.8	-2.35	366.1	-1.30	335.3	-1.90
357.9	-.47	398.7	-.40	357.2	-1.05	365.2	-1.30	335.0	-1.98	397.5	-.70	365.5	-1.40
387.7	-.58	429.2	.58	387.1	-.76	395.6	-1.01	365.8	-1.50	426.7	.07	396.5	-.79
417.5	1.18			417.0	-.02	426.4	.05	395.9	-.93	457.2	.99	426.7	.00
447.4	2.13			446.8	.85	457.2	.93	426.7	-.53	487.7	1.82	457.5	.93
477.2	2.81			476.7	1.66	487.4	1.72	457.2	.67	518.2	2.60	487.4	1.74
507.0	3.58			506.6	2.44	518.2	2.50	487.7	1.47			518.2	2.57
536.8	4.32			530.0	3.04	548.6	3.32					548.3	3.35
566.7	4.73					579.1	4.14					554.7	3.55
						601.7	4.97						

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

GULF MOBIL YA YA P-53
-WELL SPUDDED 8 12 72
-DRILLING FOR 102 DAYS
-TOTAL DEPTH 3033 METRES
-WELL ABANDONED 20 3 73

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

GULF MOBIL YA YA P-53
-DEMARRAGE DU PUITS LE 8 12 72
-FORAGE PENDANT 102 JOURS
-PROFONDEUR TOTALE 3033 METRES
-ABANDON DU PUITS LE 20 3 73

EARTH PHYSICS BRANCH NO.

178 PARSONS N-10

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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68 DEGREES 59.8 MINUTES NORTH
133 DEGREES 31.8 MINUTES WEST

68 DEGRES 59.8 MINUTES NORD
133 DEGRES 31.8 MINUTES OUEST

ELEVATION 68 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 21 6 73		DATE 3 2 74		DATE 15 8 74		DATE 23 7 75		DATE 16 7 78	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
14.8	-.14	12.2	-4.35	12.2	-6.21	15.2	-7.03	15.5	-5.68
29.7	-.36	27.4	-4.30	26.8	-4.91	30.5	-5.36	30.5	-5.47
59.3	-.29	42.7	-4.18	56.4	-4.58	61.3	-4.81	61.6	-4.90
89.2	-.44	57.9	-4.10	86.6	-4.08	91.4	-4.27	92.0	-4.35
118.9	-.55	72.8	-3.81	116.4	-3.72	121.9	-3.92	122.2	-4.04
148.3	-.71	88.4	-3.55	146.3	-3.03	152.4	-3.29	153.0	-3.43
178.2	-.35	103.3	-3.36	176.2	-2.21	182.6	-2.57	183.5	-2.79
207.5	-.39	118.6	-3.28	206.0	-1.79	213.4	-2.12	214.0	-2.29
237.5	-.11	149.0	-2.41	236.2	-1.41	243.8	-1.62	245.1	-1.73
266.9	-.03	179.8	-1.29	265.8	-.77	274.3	-1.10	274.9	-1.37
296.5	.28	210.3	-.97	295.7	-.71	304.8	-.77	306.0	-.90
326.1	.49	240.8	-.87	325.5	-.43	335.3	-.51	336.5	-.45
356.1	4.80	271.3	-.45	355.4	.56	365.8	.75	367.3	.75
385.5	5.35	301.4	-.37	385.3	1.61	396.5	1.64	397.8	1.56
415.1	6.12	316.7	-.33	415.4	2.45	427.3	2.46	428.9	2.38
444.7	6.81	332.2	-.35	445.3	3.19	457.8	3.26	459.0	3.27
474.4	7.49	347.5	.19	475.2	4.08	488.6	4.06	489.8	4.14
504.4	8.44	362.7	1.33	505.7	4.78	519.4	4.88	520.6	4.92
533.7	9.03	393.2	2.25	534.9	5.56	549.9	5.65	551.1	5.79
563.6	9.91	423.7	3.07	559.0	6.33	580.3	6.54	572.4	6.51
593.3	10.53	454.2	3.87			610.8	7.30		
623.0	11.38	484.6	4.65						
		515.1	5.34						
		545.6	6.31						

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

GULF MOBIL PARSONS N-10
-WELL SPUDDED 24 2 73
-DRILLING FOR 94 DAYS
-TOTAL DEPTH 3205 METRES
-WELL ABANDONED 29 5 73

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-10
-DEMARRAGE DU PUITS LE 24 2 73
-FORAGE PENDANT 94 JOURS
-PROFONDEUR TOTALE 3205 METRES
-ABANDON DU PUITS LE 29 5 73

EARTH PHYSICS BRANCH NO. 179 REINDEER F-36

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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69 DEGREES 5.3 MINUTES NORTH
134 DEGREES 39.0 MINUTES WEST

69 DEGRES 5.3 MINUTES NORD
134 DEGRES 39.0 MINUTES OUEST

ELEVATION 10 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 20 6 73		DATE 3 2 74		DATE 14 8 74		DATE 24 7 75		DATE 20 4 76		DATE 16 3 77		DATE 17 7 78	
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)
15.0	-1.28	21.9	-5.81	14.0	-6.51	14.9	-6.98	15.2	-8.20	30.8	-7.76	15.2	-6.83
30.0	-.81	37.2	-5.58	29.0	-6.12	29.9	-6.48	30.8	-6.95	61.3	-6.46	30.2	-6.75
45.0	-.40	67.7	-5.73	58.8	-6.07	60.4	-6.28	45.7	-6.57	91.7	-6.19	61.0	-6.39
60.0	-.72	98.1	-5.22	89.0	-5.87	91.1	-6.08	61.0	-6.36	121.9	-5.88	91.7	-6.18
75.0	-.43	128.6	-4.88	118.6	-5.55	121.3	-5.78	91.4	-6.13	152.4	-5.28	121.9	-5.87
90.0	-.28	159.1	-4.19	148.4	-4.97	151.8	-5.08	121.9	-5.82	182.9	-4.37	152.7	-5.18
105.0	-.13	189.6	-3.20	178.3	-4.22	182.0	-4.23	152.7	-5.25	213.4	-3.22	183.2	-4.31
120.0	-.92	220.1	-2.27	208.2	-3.16	212.8	-3.12	182.9	-4.35	243.8	-2.50	213.7	-3.25
135.0	-.44	250.5	-1.76	238.0	-2.33	243.2	-2.38	213.4	-3.42	274.6	-1.86	243.8	-2.50
150.0	-.34	281.3	-.97	267.9	-1.78	273.7	-1.80	243.8	-2.54	305.4	-1.18	274.3	-1.85
165.0	-.42	311.8	-.53	297.8	-1.07	303.9	-1.01	274.3	-1.94	335.9	-.57	305.1	-1.08
180.0	-.40	327.1	-.43	327.7	-.47	335.0	-.44	304.8	-1.32	345.6	-.17	335.3	-.43
195.0	-.59	342.3	.21	347.8	.05	354.8	-.07	335.3	-.58			343.8	-.14
210.0	-.68							350.5	-.21				
225.0	-.23												
240.0	-.19												
255.0	-.24												
270.0	-.25												
285.0	-.21												
300.0	-.07												
315.0	-.13												
330.0	-.00												
345.0	2.12												

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.

GULF IMPERIAL SHELL REINDEER F-36
-WELL SPUDDED 13 3 73
-DRILLING FOR 54 DAYS
-TOTAL DEPTH 1829 METRES
-DRILLING STOPPED 6 5 73
-WELL ABANDONED 15 5 73

GULF IMPERIAL SHELL REINDEER F-36
-DEMARRAGE DU PUITS LE 13 3 73
-FORAGE PENDANT 54 JOURS
-PROFONDEUR TOTALE 1829 METRES
-FORAGE ARRETE LE 6 5 73
-ABANDON DU PUITS LE 15 5 73

EARTH PHYSICS BRANCH NO.

192 KUGPIK O-13

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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68 DEGREES 52.8 MINUTES NORTH
135 DEGREES 18.2 MINUTES WEST

68 DEGRES 52.8 MINUTES NORD
135 DEGRES 18.2 MINUTES OUEST

ELEVATION 2 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 4 11 73		DATE 5 2 74		DATE 16 8 74		DATE 22 7 75		DATE 27 4 76		DATE 21 7 78	
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	-1.11	14.9	-4.06	13.1	-.86	15.2	-1.67	15.2	-2.62	15.2	-3.24
27.4	-.56	30.2	-.94	28.0	-.40	30.5	-.83	30.5	-1.32	30.5	-1.76
42.7	.83	60.7	1.47	58.2	.45	61.0	.04	46.0	-.88	61.0	-.61
57.9	4.44	91.1	3.86	88.1	2.06	91.4	1.28	61.3	-.33	91.4	.54
73.2	6.11	121.6	5.34	117.7	3.30	121.9	2.65	91.7	1.01	121.6	1.82
88.4	7.22	152.4	6.58	147.5	4.20	152.4	3.44	121.9	2.22	152.4	2.84
103.6	8.06	182.9	7.66	177.7	5.29	182.9	4.16	152.4	3.07	182.6	3.63
118.9	8.33	213.4	8.63	207.3	6.56	213.7	5.49	183.2	3.82	213.7	5.00
134.1	8.88	243.8	9.48	237.1	7.72	243.8	6.81	213.1	4.88	243.8	6.39
149.4	9.56	274.6	9.84	267.3	8.16	274.3	7.54	243.8	6.44	274.6	7.17
164.6	10.11	305.1	10.48	296.6	8.87	304.8	8.09	274.3	7.26	304.5	7.67
179.8	10.56	335.6	11.33	326.7	9.57	335.3	9.04	304.8	7.71	335.3	8.63
195.1	11.11	366.1	11.99	356.3	10.33	366.1	9.78	335.3	8.61	365.8	9.35
210.3	11.39	396.5	12.55	386.5	11.00	396.2	10.45	365.8	9.39	395.9	10.13
225.6	11.67	427.3	13.23	416.1	11.73	426.7	11.25	395.9	10.03	426.7	10.91
240.8	11.94	457.8	13.93	446.2	12.30	457.2	11.84	426.7	10.88	456.9	11.52
256.0	11.67	488.6	14.99	475.8	13.29	487.7	12.65	457.2	11.46	487.7	12.73
271.3	11.78	519.1	15.54	505.7	14.14	518.2	13.77	487.7	12.40	518.2	13.48
286.5	12.22	549.6	16.28	535.5	14.79	548.6	14.48			548.3	14.14
301.8	12.33					579.4	15.16			579.1	14.92
332.2	13.06					609.6	15.91			609.6	15.70
362.7	13.61					640.1	16.70			640.1	16.62
393.2	14.22									670.3	17.50
423.7	14.72									701.0	18.13
454.2	15.28									731.5	18.77
484.6	16.39									734.6	18.85
515.1	16.67										
545.6	17.50										
576.1	18.06										
606.6	18.87										
637.0	22.22										
667.5	22.50										
698.0	23.50										
728.5	24.22										

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

SHELL KUGPIK O-13
-WELL SPUDDED 26 3 73
-DRILLING FOR 188 DAYS
-TOTAL DEPTH 3689 METRES
-DRILLING STOPPED 30 9 73

LOG OF 04 11 73 TAKEN BY SHELL.

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

SHELL KUGPIK O-13
-DEMARRAGE DU PUITS LE 26 3 73
-FORAGE PENDANT 188 JOURS
-PROFONDEUR TOTALE 3689 METRES
-FORAGE ARRETE LE 30 9 73

SONDAGE DU 04 11 73 PRIS PAR SHELL

EARTH PHYSICS BRANCH NO. 193 IKHIL I-37

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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68 DEGREES 46.6 MINUTES NORTH
134 DEGREES 7.8 MINUTES WEST

68 DEGRES 46.6 MINUTES NORD
134 DEGRES 7.8 MINUTES OUEST

ELEVATION 125 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 19 12 73		DATE 3 2 74		DATE 15 8 74		DATE 23 7 75		DATE 18 3 77		DATE 21 7 78	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
0.0	5.60	12.2	-7.65	10.4	3.99	15.2	-1.08	61.0	-9.61	30.5	-.84
30.5	3.90	27.4	-7.32	25.9	.35	30.5	-1.54	91.7	-5.89	61.0	-5.43
61.0	.60	57.9	-2.15	55.2	-4.19	61.0	-5.09	121.9	-4.81	91.4	-5.21
91.4	.60	89.0	-.45	85.0	-3.53	91.4	-4.76	152.4	-4.06	121.9	-4.79
121.9	.60	119.5	-.10	115.2	-3.47	121.9	-4.37	182.9	-3.31	152.1	-4.22
152.4	.60	150.0	-.12	144.8	-2.14	152.4	-3.28	213.4	-2.39	183.2	-3.49
182.9	1.10	180.4	-.04	174.3	-.46	182.9	-2.23	243.8	-1.75	195.1	-3.06
213.4	1.70	211.2	-.02	204.5	-.23	213.4	-1.21	274.3	-.98	213.4	-2.58
243.8	2.20	241.7	-.01	234.7	-.28	243.8	-.60	304.8	-.48	243.5	-2.07
274.3	3.30	272.2	.53	264.3	-.25	274.3	-.41	335.6	-.14	274.6	-.97
304.8	2.80	303.0	.07	293.8	-.16	304.8	-.17	365.8	.84	304.8	-.33
335.3	2.80	318.2	.03	324.0	-.04	335.3	-.04	396.2	1.77	335.3	-.19
365.8	7.50	333.8	.24	353.6	1.73	366.1	1.24	426.4	3.22	365.5	.80
396.2	8.30	349.0	3.87	383.7	3.07	396.9	2.18	457.2	4.11	395.9	1.71
426.7	10.10	364.5	4.71	413.3	4.54	427.3	3.66	487.7	5.11	426.7	3.26
457.2	10.60	395.0	5.81	443.2	5.45	457.8	4.62			457.2	4.17
487.7	11.70	425.5	7.69	472.7	6.27	488.6	5.56			487.7	5.09
518.2	12.80	456.0	8.09	502.9	7.02	519.4	6.40			517.9	6.11
548.6	13.30	486.5	9.15	532.8	8.05	549.9	7.66			548.3	7.30
		516.9	9.98			580.6	8.75			579.1	8.50
						610.8	9.76			603.5	9.36

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.

GULF MOBIL IKHIL I-37
-WELL SPUDDED 10 4 73
-DRILLING FOR 237 DAYS
-TOTAL DEPTH 4704 METRES
-WELL ABANDONED 3 12 73

GULF MOBIL IKHIL I-37
-DEMARRAGE DU PUITS LE 10 4 73
-FORAGE PENDANT 237 JOURS
-PROFONDEUR TOTALE 4704 METRES
-ABANDON DU PUITS LE 3 12 73

LOG OF 19 12 73 TAKEN BY GULF. GREATER UNCERTAINTY IN THESE READINGS.

SONDAGE DU 19 12 73 PRIS PAR GULF. INCERTITUDE DANS CES TEMPERATURES.

EARTH PHYSICS BRANCH NO.
194 ATIGI O-48
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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68 DEGREES 57.0 MINUTES NORTH
133 DEGREES 56.1 MINUTES WEST

68 DEGRES 57.0 MINUTES NORD
133 DEGRES 56.1 MINUTES OUEST

ELEVATION 85 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 19 3 74		DATE 15 8 74		DATE 23 7 75		DATE 17 7 78	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
15.5	-9.05	25.9	-.20	15.2	-.90	61.3	-6.36
30.5	-6.73	55.8	-1.16	30.5	-1.53	91.7	-6.30
61.0	-4.95	85.6	-5.92	61.0	-2.44	121.9	-6.13
91.4	-3.90	115.8	-5.79	91.4	-6.21	152.4	-5.92
121.9	-3.84	145.4	-5.44	121.9	-6.06	182.9	-5.67
152.4	-2.30	175.3	-5.29	152.4	-5.80	213.4	-5.39
182.9	-3.46	205.1	-4.56	182.9	-5.58	244.1	-5.10
213.4	-3.27	235.3	-4.74	213.4	-5.25	274.3	-4.81
243.8	-3.36	265.2	-4.47	243.8	-5.03	305.1	-4.51
274.3	-3.32	294.7	-4.18	274.6	-4.73	335.3	-4.22
304.8	-3.10	324.6	-3.91	305.1	-4.45	365.5	-3.95
335.3	-1.15	354.5	-3.85	335.3	-4.15	396.2	-3.52
365.8	-2.83	384.4	-3.34	365.5	-3.94	426.4	-2.95
396.2	-1.85	414.2	-2.84	397.2	-3.53	457.2	-2.47
426.7	-1.07	444.1	-2.53	426.7	-2.93	488.0	-2.03
457.2	-1.21	474.0	-1.79	458.4	-2.50	518.5	-1.49
487.7	-.79	503.8	-1.23	488.9	-1.92	548.6	-.68
518.2	-.46	533.7	-.88	519.4	-1.41	578.8	-.03
548.6	-.19	548.6	-.52	550.2	-.82	609.6	.57
579.1	1.88	563.6	.13	580.6	.04	617.5	.65
				611.1	.15		

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

GULF MOBIL ATIGI O-48
-WELL SPUDDED 9 1 74
-DRILLING FOR 50 DAYS
-TOTAL DEPTH 1981 METRES
-WELL ABANDONED 28 2 74

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

GULF MOBIL ATIGI O-48
-DEMARRAGE DU PUITS LE 9 1 74
-FORAGE PENDANT 50 JOURS
-PROFONDEUR TOTALE 1981 METRES
-ABANDON DU PUITS LE 28 2 74

EARTH PHYSICS BRANCH NO.

195 LINCKENS ISLAND P-46

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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77 DEGREES 45.8 MINUTES NORTH
97 DEGREES 45.4 MINUTES WEST

77 DEGRES 45.8 MINUTES NORD
97 DEGRES 45.4 MINUTES OUEST

ELEVATION 1 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DEPTH (M)	DATE 21 5 74 TEMP (C)	DATE 17 5 77 TEMP (C)	DATE 26 5 78 TEMP (C)
30.5	-13.51	-15.16	-14.90
45.7	-11.92	-12.60	-12.73
61.0	-10.93	-11.40	-11.47
76.2	-10.09	-10.49	-10.53
91.4	-9.58	-9.95	-9.98
106.7	-8.63	-9.05	-9.04
121.9	-7.73	-8.23	-8.25
137.2	-6.29	-6.82	-5.85
152.4	-5.08	-5.61	-5.65
167.6	-3.36	-4.12	-4.17
182.9	-2.63	-3.33	-3.41
198.1	-1.71	-2.15	-2.20
213.4	-.98	-1.46	-1.48
228.6	-.43	-.87	-.90
243.8	.41	-.15	-.23
259.1	1.07	.52	.42
274.3	1.74	1.08	1.00
289.6	2.03	1.38	1.33
304.8	2.69	2.02	1.87
335.3	3.61	2.94	2.85
365.8	4.18	3.69	3.63
396.2	4.67	4.26	4.18
426.7	5.26	4.82	4.77
457.2	5.79	5.35	5.27
487.7	6.32	5.90	5.86
518.2	7.00	6.63	6.60

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

SUN GULF GLOBAL LINCKENS ISLAND P-46
-WELL SPUDDED 6 3 73
-DRILLING FOR 67 DAYS
-TOTAL DEPTH 1832 METRES
-WELL ABANDONED 12 5 73

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

SUN GULF GLOBAL LINCKENS ISLAND P-46
-DEMARRAGE DU PUITS LE 6 3 73
-FORAGE PENDANT 67 JOURS
-PROFONDEUR TOTALE 1832 METRES
-ABANDON DU PUITS LE 12 5 73

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 17 5 74		DATE 6 5 75		DATE 15 5 76		DATE 17 5 77		DATE 25 5 78	
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
61.9	-12.50	59.4	-15.04	61.3	-15.31	61.8	-15.42	31.5	-15.82
92.0	-11.81	89.5	-14.33	91.7	-14.65	92.2	-14.69	62.3	-15.42
122.8	-11.12	120.0	-13.62	122.2	-13.87	122.9	-13.97	93.3	-14.71
153.3	-10.29	150.7	-12.74	152.4	-13.24	153.6	-13.17	124.5	-13.97
184.7	-9.31	181.1	-11.73	182.9	-12.09	184.3	-12.14	155.4	-13.16
216.1	-8.65	211.0	-11.06	213.7	-11.46	215.1	-11.38	185.7	-12.27
246.0	-7.31	240.5	-9.90	244.1	-10.35	245.5	-10.27	216.0	-11.40
277.1	-6.46	270.4	-8.88	274.3	-9.27	276.5	-9.17	246.9	-10.36
307.2	-5.63	300.2	-8.01	304.8	-8.32	307.5	-8.27	277.2	-9.17
336.8	-4.90	330.0	-7.19	335.3	-7.65	338.0	-7.46	307.8	-8.22
366.7	-4.22	359.9	-6.49	366.1	-6.76	368.7	-6.73	338.8	-7.46
396.5	-3.34	389.7	-5.77	396.2	-6.20	399.7	-6.05	369.4	-6.71
426.4	-2.56	419.6	-5.19	427.0	-5.49	430.1	-5.40	399.7	-6.03
456.3	-1.55	449.4	-4.60	457.2	-4.84	461.2	-4.81	430.6	-5.39
486.2	-1.51	479.2	-3.86	480.1	-4.39	491.6	-4.09	460.9	-4.81
501.1	-1.51	509.1	-3.25	503.2	-3.80	522.3	-3.45	491.5	-4.03
509.0	-1.25	538.9	-2.72	526.1	-3.38	553.0	-2.92	522.1	-3.42
516.0	-1.11	568.8	-2.20	548.6	-3.01	584.1	-2.44	552.7	-2.92
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	.13
590.7	-.73	688.1	-.20	708.7	-.51	691.3	-.50	736.3	.54
605.6	-.65	703.0	.01	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	2.56			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.

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

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
-DEMARRAGE DU PUITS LE 24 11 73
-FORAGE PENDANT 133 JOURS
-PROFONDEUR TOTALE 4383 METRES
-ABANDON DU PUITS LE 6 4 74

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 17 8 74		DATE 30 4 76		DATE 20 7 78	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
11.9	.01	61.0	-2.10	15.8	-2.22
26.8	.02	91.7	-1.90	30.8	-1.65
58.5	-1.53	121.9	-1.79	61.0	-2.15
86.6	-.98	152.4	-1.57	91.4	-1.99
116.4	-1.36	182.9	-1.45	121.9	-1.81
146.0	-.85	213.4	-1.31	152.7	-1.59
175.9	-1.04	243.8	-1.16	182.6	-1.46
206.0	-.95	274.3	-.99	213.1	-1.30
235.6	-.77	304.8	-.86	243.5	-1.14
266.1	-.26	335.3	-.75	274.0	-.97
295.7	-.63	365.5	-.56	304.5	-.82
325.5	-.45	396.2	-.45	335.0	-.71
355.1	-.40	427.0	-.23	365.8	-.50
385.0	-.37	457.2	.03	396.5	-.37
414.5	-.01	487.7	.22	426.7	-.10
444.1	.32			456.9	.10
474.0	.47			488.0	.31
503.8	.66			512.1	.50
534.0	.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.

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

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

EARTH PHYSICS BRANCH NO.
254 YA YA A-28
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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69 DEGREES 17.2 MINUTES NORTH
134 DEGREES 35.5 MINUTES WEST

69 DEGRES 17.2 MINUTES NORD
134 DEGRES 35.5 MINUTES OUEST

ELEVATION 40 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 16 8 74		DATE 25 7 75		DATE 29 4 76		DATE 18 3 77		DATE 17 7 78	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
56.7	-.37	27.4	-2.34	61.3	-6.86	61.0	-9.07	46.0	-6.95
86.9	-.44	57.9	-6.51	76.5	-6.79	91.7	-7.14	61.3	-7.09
116.7	-.51	88.4	-6.43	91.4	-6.71	121.9	-6.30	91.7	-6.86
146.6	-1.08	119.2	-5.64	121.9	-6.25	152.4	-5.55	121.9	-6.43
176.2	-1.04	149.7	-3.52	152.7	-5.18	182.9	-5.01	152.1	-5.83
206.0	-1.03	180.1	-3.14	182.9	-4.47	213.4	-4.83	183.2	-5.30
235.9	-1.06	210.6	-3.82	213.7	-4.63	243.8	-4.42	213.4	-4.94
265.8	-1.12	241.1	-2.99	243.8	-4.19	274.3	-4.05	243.8	-4.55
295.7	-1.05	271.9	-2.76	274.6	-3.85	304.8	-3.46	274.3	-4.18
325.5	-.91	302.1	-1.61	304.8	-2.67	335.3	-3.33	304.8	-3.81
355.1	-.84	333.1	-2.34	335.3	-3.26	353.6	-3.06	335.6	-3.47
384.7	-.88	363.6	-2.31	353.9	-2.92			365.8	-3.17
414.5	-.71	394.4	-1.97					395.9	-2.83
444.4	-.55	425.2	-1.49					426.7	-2.48
474.3	-.51	456.0	-1.02					456.9	-2.12
503.8	-.46	486.8	-.88					488.0	-1.74
533.7	-.43	517.6	-.85					518.2	-1.48
		548.6	-.65					548.6	-1.16
		579.4	-.55					579.1	-.85
		601.1	-.47					589.8	-.72

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

GULF MOBIL YA YA A-28
-WELL SPUDDED 28 2 74
-DRILLING FOR 98 DAYS
-TOTAL DEPTH 3944 METRES
-WELL ABANDONED 6 7 74

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

GULF MOBIL YA YA A-28
-DEMARRAGE DU PUITS LE 28 2 74
-FORAGE PENDANT 98 JOURS
-PROFONDEUR TOTALE 3944 METRES
-ABANDON DU PUITS LE 6 7 74

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 14 5 75		DATE 14 5 76		DATE 26 5 78	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
31.7	-12.90	30.8	-14.19	8.3	-16.87
61.3	-11.94	61.0	-13.15	15.4	-16.11
91.4	-10.99	91.4	-12.10	31.0	-15.10
121.9	-9.15	121.9	-10.53	46.4	-14.45
152.7	-6.76	152.4	-8.43	61.4	-13.96
182.9	-4.88	182.9	-6.19	77.7	-13.38
213.7	-2.83	213.7	-3.95	92.8	-12.80
244.1	-1.21	244.1	-2.54	108.1	-12.34
259.1	-.39	274.3	-1.30	123.8	-11.38
274.6	.41	304.8	-.11	139.5	-10.31
289.6	1.11	320.3	1.09	154.2	-9.10
304.8	1.75	335.6	2.20	169.9	-8.03
320.0	2.44	350.8	3.02	185.0	-6.98
335.6	3.29	366.1	3.95	200.3	-5.75
366.1	4.83	381.0	4.58	216.0	-4.53
396.2	5.75	396.5	5.05	231.0	-3.60
426.7	6.27	412.1	5.34	246.4	-2.78
457.2	6.69	426.7	5.59	262.1	-2.14
		442.0	5.83	277.5	-1.21
		457.2	6.04	292.5	-.47
		472.4	6.16	307.9	.30
				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	5.75
				476.9	5.76

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.

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

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

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

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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 16 5 75		DATE 23 5 76		DATE 26 5 78	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
32.0	-2.68	23.5	-15.38	7.7	-17.47
64.6	-5.70	46.0	-14.71	15.4	-15.98
98.1	-5.42	68.9	-13.82	31.0	-15.36
130.1	-3.92	91.7	-12.58	45.8	-14.72
161.5	-2.83	114.3	-11.29	61.4	-14.16
192.0	-1.87	137.2	-10.15	76.8	-13.44
222.5	-.21	160.0	-8.89	92.5	-12.68
238.0	.92	183.2	-7.58	107.2	-11.79
253.0	1.74	205.7	-6.02	123.5	-10.95
268.5	2.94	228.9	-4.54	139.2	-10.07
299.0	4.14	251.8	-3.00	154.5	-9.24
329.2	5.46	274.3	-.97	169.9	-8.32
359.7	6.89	297.5	.67	185.0	-7.42
390.4	8.03	312.4	1.33	200.6	-6.64
393.2	8.55	327.7	2.22	215.4	-5.38
		342.9	3.00	231.0	-3.90
		358.4	3.62	246.4	-2.90
		373.4	4.64	261.8	-1.64
		388.6	5.31	277.1	-.50
				292.5	.29
				307.9	1.27
				323.2	2.00
				338.6	2.70
				354.3	3.57
				369.3	4.39
				384.7	5.07
				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 23 4 75
-DRILLING FOR 17 DAYS
-TOTAL DEPTH 1361 METRES
-WELL ABANDONED 10 5 75

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 23 4 75
-FORAGE PENDANT 17 JOURS
-PROFONDEUR TOTALE 1361 METRES
-ABANDON DU PUITS LE 10 5 75

EARTH PHYSICS BRANCH NO. 267 TAGLU C-42

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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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 26 7 75		DATE 23 4 76		DATE 7 7 76		DATE 10 3 77		DATE 18 7 78	
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
28.7	.67	45.7	-1.25	30.5	.35	92.0	-.50	61.0	-.87
59.1	-.79	61.0	-.96	45.7	-1.19	122.2	-.35	91.4	-.52
89.9	-.44	76.2	-.79	60.7	-.89	152.4	-.51	122.2	-.37
120.4	-.27	91.4	-.54	76.2	-.71	182.9	-.50	152.7	-.53
150.9	-.42	121.9	-.31	91.7	-.45	213.1	-.53	182.9	-.56
181.7	-.40	137.2	-.37	107.3	-.36	243.5	-.85	213.7	-.55
211.5	-.44	152.4	-.43	121.9	-.32	274.3	-.68	244.1	-.85
242.0	-.74	182.9	-.42	137.5	-.40	304.8	-.54	274.3	-.72
273.4	-.57	213.4	-.53	152.4	-.48	335.0	-.76	304.8	-.69
304.2	-.50	243.8	-.65	167.6	-.45	365.5	-.97	335.3	-.87
335.0	-.60	274.3	-.57	182.9	-.47	395.6	-.81	365.8	-1.03
365.5	-.72	305.1	-.59	198.4	-.57	426.7	-.90	396.2	-.94
396.2	-.58	335.3	-.52	213.4	-.46	457.2	-1.00	426.7	-.95
427.0	-.75	365.8	-.90	228.3	-.49	487.7	-.92	456.9	-1.02
457.8	-.85	396.2	-.71	243.5	-.81	518.2	-.92	487.7	-.94
487.7	-.83	426.4	-.79	259.1	-.63			518.5	-.89
519.4	-.89	457.2	-.89	274.3	-.63			539.5	-.62
549.9	-.61	487.7	-.86	289.3	-.68				
580.3	-.54			304.5	-.59				
				319.7	-.63				
				335.3	-.69				
				350.5	-.97				
				365.8	-.89				
				380.7	-.77				
				396.5	-.68				
				411.5	-.90				
				426.4	-.85				
				441.7	-.95				
				456.9	-.99				
				472.4	-.88				
				487.7	-.89				
				502.9	-.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 30 4 72
-DRILLING FOR 128 DAYS
-TOTAL DEPTH 4895 METRES
-DRILLING STOPPED 5 9 72
-WELL ABANDONED 18 11 72

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 30 4 72
-FORAGE PENDANT 128 JOURS
-PROFONDEUR TOTALE 4895 METRES
-FORAGE ARRETE LE 5 9 72
-ABANDON DU PUITS LE 18 11 72

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 26 7 75		DATE 29 4 76		DATE 7 7 76		DATE 10 3 77		DATE 18 7 78	
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	-7.58	14.9	-7.12	30.2	-6.27	14.9	-6.55
27.1	-5.45	30.5	-5.95	30.5	-5.78	61.0	-4.21	30.2	-5.85
57.6	-3.62	45.7	-4.78	45.7	-4.75	93.0	-3.47	61.3	-4.50
88.1	-2.45	61.6	-3.85	61.0	-3.95	121.6	-3.05	91.4	-3.71
118.6	-2.27	91.7	-3.22	75.9	-3.29	152.1	-2.60	122.2	-3.23
149.4	-1.58	121.9	-2.84	91.7	-3.24	182.9	-2.00	152.4	-2.79
180.1	-.96	152.4	-2.39	106.4	-3.12	213.4	-1.29	182.9	-2.32
210.3	-.74	183.2	-1.78	121.9	-2.92	243.8	-1.16	213.4	-1.77
240.5	-.64	213.1	-1.12	137.2	-2.66	275.2	-1.10	244.1	-1.53
271.9	-.79	243.8	-.99	152.7	-2.40	304.5	-1.15	274.6	-1.42
302.4	-.86	274.3	-.92	167.6	-2.08	335.6	-1.29	304.5	-1.36
333.5	-.74	304.8	-.94	183.2	-1.68	365.8	-1.38	335.0	-1.46
363.6	-.88	335.3	-.97	197.8	-1.32	396.2	-1.27	365.8	-1.45
395.0	-.84	365.8	-.93	213.1	-1.03	426.7	-1.11	395.9	-1.37
426.1	-.82	396.2	-1.13	228.6	-.99	457.2	-1.02	426.7	-1.21
456.6	-.73	426.7	-.92	243.5	-.97	487.4	-.82	457.2	-1.10
487.7	-.60	457.2	-.99	260.3	-.87	518.2	-.81	487.7	-.90
519.1	-.72	487.7	-.90	274.3	-.95			518.5	-.83
549.6	-.61			289.3	-1.03			531.6	-.66
				304.8	-1.05				
				320.0	-1.03				
				335.3	-1.06				
				350.8	-1.26				
				365.8	-1.25				
				381.0	-1.25				
				395.9	-1.15				
				411.5	-1.09				
				426.7	-1.01				
				442.0	-.96				
				457.2	-.89				
				472.4	-.88				
				487.4	-.77				
				502.9	-.78				
				517.9	-.77				
				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 23 3 73
-DRILLING FOR 88 DAYS
-TOTAL DEPTH 4555 METRES
-DRILLING STOPPED 19 6 73
-WELL ABANDONED 11 9 73

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 23 3 73
-FORAGE PENDANT 88 JOURS
-PROFONDEUR TOTALE 4555 METRES
-FORAGE ARRETE LE 19 6 73
-ABANDON DU PUITS LE 11 9 73

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 26 7 75		DATE 23 4 76		DATE 7 7 76		DATE 10 3 77		DATE 18 7 78	
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
59.1	-3.11	61.3	-3.95	76.2	-2.34	121.9	-1.26	61.3	-3.26
89.6	-1.67	76.2	-2.43	91.4	-1.69	152.7	-1.06	76.2	-2.49
120.1	-1.08	91.7	-1.69	107.0	-1.26	183.2	-.94	91.4	-1.69
150.6	-.86	107.0	-1.27	121.9	-1.15	213.7	-1.14	106.7	-1.28
181.1	-.66	121.9	-1.15	137.2	-1.07	243.8	-1.23	121.9	-1.12
212.1	-1.00	152.4	-1.00	152.4	-.94	274.6	-1.13	137.2	-1.08
242.6	-1.10	183.5	-.85	167.6	-.85	304.8	-.99	152.4	-1.04
273.1	-1.03	213.4	-1.01	183.2	-.83			167.6	-.95
304.2	-.76	244.1	-1.17	198.1	-1.13			183.2	-.93
334.4	-.69	274.6	-1.14	213.4	-1.08			198.1	-1.14
362.1	-1.09	305.1	-.98	228.6	-1.19			213.7	-1.10
		335.3	-.89	243.5	-1.15			228.9	-1.19
		365.8	-.97	259.1	-1.19			243.8	-1.21
				274.3	-1.06			259.1	-1.19
				289.6	-.98			274.3	-1.10
				305.1	-.90			289.6	-1.07
				319.7	-.89			304.8	-1.03
				335.3	-.84			320.0	-.99
				350.8	-.96			335.3	-1.04
				365.8	-1.15			350.2	-1.02
				381.0	-1.17			365.8	-1.14
				386.8	-1.18				

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

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

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 4 4 72
-FORAGE PENDANT 103 JOURS
-PROFONDEUR TOTALE 3706 METRES
-FORAGE ARRETE LE 16 7 72
-ABANDON DU PUITS LE 21 8 72

EARTH PHYSICS BRANCH NO. 271 NORTH ELLICE J-23

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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69 DEGREES 12.6 MINUTES NORTH
135 DEGREES 51.2 MINUTES WEST

69 DEGRES 12.6 MINUTES NORD
135 DEGRES 51.2 MINUTES OUEST

ELEVATION 1 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 28 4 76		DATE 18 10 76		DATE 7 3 77		DATE 13 4 78		DATE 21 7 78	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
14.6	-.34	15.5	-1.36	30.5	-1.84	15.2	-3.59	15.2	-4.55
29.6	-.51	30.2	-1.03	61.0	.18	30.5	-2.72	30.2	-2.94
44.8	-.12	45.7	-.96	91.1	1.94	61.0	-.41	46.0	-1.65
59.7	3.09	61.0	.19	121.6	4.02	91.4	1.46	61.6	-.58
90.2	4.99	76.2	1.69	152.1	5.47	122.2	3.50	75.9	.52
120.7	7.02	91.7	2.51	182.9	7.09	152.4	5.15	91.4	1.36
151.2	8.39	106.7	3.59	213.1	8.42	182.9	6.56	106.7	2.38
181.7	9.93	121.9	4.47	243.8	9.25	213.4	7.95	121.9	3.38
211.8	11.07	137.2	5.41	274.0	10.07	243.5	8.85	136.9	4.26
242.6	11.76	152.4	6.14	304.8	10.70	274.3	9.67	152.1	5.02
272.8	12.35	167.6	6.95	334.7	11.35	304.8	10.33	167.3	5.75
303.9	12.88	183.2	7.63	365.5	11.99	335.3	11.01	182.9	6.40
334.1	13.43	198.1	8.27	396.2	12.57	365.8	11.63	198.1	7.20
364.5	14.06	213.4	8.86	417.3	12.91	396.2	12.23	213.1	7.88
395.0	14.61	228.3	9.28			426.7	12.62	228.6	8.33
425.8	15.04	243.5	9.58					243.8	8.78
456.0	15.48	258.8	10.07					259.1	9.22
		274.3	10.45					274.3	9.60
		289.6	10.79					289.6	9.95
		304.5	11.07					304.5	10.29
		320.0	11.40					320.0	10.61
		335.6	11.76					335.6	10.97
		350.5	12.06					350.5	11.28
		365.8	12.34					365.5	11.60
		381.3	12.64					380.7	11.89
		396.5	12.93					396.2	12.20
		411.8	13.17					411.5	12.45
		426.7	13.49					417.3	12.58
		441.7	13.66						

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.

SOBC CAN SUP ET AL NORTH ELLICE J-23
-WELL SPUDDED 22 10 75
-DRILLING FOR 144 DAYS
-TOTAL DEPTH 3505 METRES
-DRILLING STOPPED 15 3 76
-WELL ABANDONED 15 3 76

TEMPERATURES OBTENJES 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.

SOBC CAN SUP ET AL NORTH ELLICE J-23
-DEMARRAGE DU PUITS LE 22 10 75
-FORAGE PENDANT 144 JOURS
-PROFONDEUR TOTALE 3505 METRES
-FORAGE ARRETE LE 15 3 76
-ABANDON DU PUITS LE 15 3 76

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

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 26 4 76		DATE 10 7 76		DATE 20 10 76		DATE 12 3 77		DATE 14 8 77		DATE 17 3 78		DATE 15 7 78	
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	-3.15	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	-.45	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				

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

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

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 10 12 75
-FORAGE PENDANT 53 JOURS
-PROFONDEUR TOTALE 3305 METRES
-FORAGE ARRETE LE 2 2 76
-ABANDON DU PUITS LE 2 2 76

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 26 4 76		DATE 10 7 76		DATE 20 10 76		DATE 12 3 77		DATE 14 8 77		DATE 17 3 78		DATE 16 7 78	
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	-1.65	61.0	-4.82	30.9	-5.07	34.1	-6.95	30.2	-5.98
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
45.7	-.43	61.0	-.34	91.4	-3.49	120.1	-4.62	63.4	-5.45	64.6	-5.93	61.3	-5.99
61.3	-.60	91.4	-1.56	121.9	-2.97	150.0	-4.20	76.3	-5.30	79.9	-5.77	77.1	-5.89
91.7	-.80	121.9	-.83	152.7	-2.93	180.1	-3.26	92.2	-5.56	95.1	-5.81	91.7	-5.90
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
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
182.9	-.24	213.4	-.49	243.5	-.71	271.6	-1.09	137.8	-4.75	140.8	-5.08	138.1	-5.17
213.7	-.14	243.8	-.40	274.3	-.72	293.8	-.47	153.5	-4.55	156.1	-4.85	153.9	-4.89
243.8	-.05	274.3	-.47	294.4	-.37			169.1	-4.24	171.3	-4.51	169.5	-4.56
274.3	.10	294.7	-.28					183.8	-3.72	186.5	-4.05	184.4	-4.10
292.6	.15							199.4	-3.14	201.8	-3.49	200.3	-3.59
								214.4	-2.88	217.0	-3.19	215.5	-3.30
								229.8	-2.54	232.3	-2.85	230.7	-2.92
								245.1	-2.21	247.5	-2.54	246.3	-2.63
								260.7	-1.88	262.7	-2.25	261.5	-2.32
								275.7	-1.43	278.0	-1.89	276.8	-1.89
								291.6	-.98	293.2	-1.43	292.6	-1.38
								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 23 12 75
-DRILLING FOR 102 DAYS
-TOTAL DEPTH 3235 METRES
-DRILLING STOPPED 4 4 76
-WELL ABANDONED 4 4 76

TEMPERATURES OBTENJES 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 23 12 75
-FORAGE PENDANT 102 JOURS
-PROFONDEUR TOTALE 3235 METRES
-FORAGE ARRETE LE 4 4 76
-ABANDON DU PUITS LE 4 4 76

EARTH PHYSICS BRANCH NO. 274 SIKU C-11

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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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 26 4 76		DATE 10 7 76		DATE 21 10 76		DATE 14 3 77		DATE 14 8 77		DATE 16 7 78	
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
30.5	.51	30.2	-.08	30.2	-.31	91.4	-4.00	61.3	-3.47	30.8	-2.41
46.0	.76	60.7	-.15	61.0	-.47	121.6	-3.92	91.9	-4.29	61.6	-4.43
61.0	.33	91.7	-.21	91.1	-3.33	152.1	-3.74	122.5	-4.14	91.7	-4.56
91.7	-.11	122.2	-.30	122.2	-3.02	182.6	-3.10	153.2	-3.91	122.8	-4.39
121.6	-.15	152.7	-.37	152.1	-3.12	213.4	-2.10	183.8	-3.38	153.3	-4.13
153.0	.27	182.9	-.41	183.2	-1.77	243.8	-1.24	214.4	-2.56	184.1	-3.71
182.6	-.21	213.7	-.62	213.1	-1.16	274.3	-.57	245.4	-1.76	214.6	-2.97
213.1	-.44	243.8	-.37	243.5	-.58	304.5	-.41	275.7	-.73	245.4	-2.29
243.8	-.31	274.3	-.31	274.6	-.41	335.0	-.31	306.6	-.39	275.8	-1.59
273.7	-.18	305.1	-.30	304.5	-.36	365.8	-.14	337.0	-.27	306.6	-.97
305.1	-.10	335.3	-.28	335.0	-.30	381.0	.53	367.6	-.10	336.8	-.35
320.0	-.07	350.8	-.25	350.2	-.30	395.9	1.22	398.8	1.06	367.6	-.16
335.0	-.04	365.5	.30	365.8	-.06	426.7	2.28	429.2	2.12	398.4	1.03
350.5	-.01	381.3	1.45	373.4	.45	456.9	3.41	459.8	3.29	429.2	2.21
365.8	.61	395.9	2.30	381.0	.79	487.4	4.21	490.4	4.06	459.3	3.16
381.0	2.20	411.5	2.98	388.6	1.23	517.9	4.93			490.4	3.97
395.9	3.65	427.0	3.50	396.2	1.62					520.9	4.82
411.2	4.36	442.0	4.05	426.4	2.69						
426.7	5.01	456.9	4.53	457.2	3.80						
456.9	5.96	487.7	5.30	487.4	4.54						
487.7	6.84	518.2	6.01	518.2	5.31						

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

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

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

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

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

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 21 4 76		DATE 10 7 76		DATE 20 10 76		DATE 12 3 77		DATE 14 8 77		DATE 17 3 78		DATE 15 7 78	
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
46.3	4.99	45.7	-.40	30.2	-.97	61.3	-.90	61.3	-.77	34.1	-1.91	31.1	-1.00
60.7	4.73	61.0	-.40	45.7	-.77	91.4	-.85	92.2	-.92	64.6	-1.22	61.3	-1.64
91.7	4.93	91.4	.01	61.0	-.70	121.9	-.79	122.5	-.81	95.1	-1.38	92.0	-1.60
121.9	8.36	121.9	1.15	76.2	-.66	152.7	-.69	153.2	-1.68	125.6	-.84	122.5	-.88
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
182.9	2.70	182.9	-.24	106.7	.64	213.1	-.52	214.4	-.78	186.5	-2.07	184.1	-2.38
213.4	2.67	213.4	-.24	121.9	-.47	243.8	-.47	245.1	-.55	217.0	-1.51	214.6	-1.75
243.8	3.56	243.8	-.29	152.1	-.53	274.6	-.46	276.0	-.51	247.5	-.82	245.4	-1.00
274.6	2.70	274.3	-.30	182.9	-.39	304.8	-.37	306.6	-.38	278.0	-.57	275.5	-.67
304.8	3.38	304.8	-.26	213.7	-.35	335.3	-.18	337.3	-.19	308.5	-.43	306.3	-.41
335.6	4.00	335.3	.21	243.8	-.40	350.5	.59	367.6	1.04	338.9	-.21	337.1	-.21
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
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
366.1	8.00	426.7	5.36	320.0	-.28	426.7	3.41	459.5	3.95	430.4	2.88	429.2	2.82
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
426.7	10.04	487.7	7.34	350.5	.84	488.0	5.10			491.3	4.58	490.1	4.61
457.2	11.03	518.2	7.77	365.8	1.94	518.2	5.93			521.8	5.40	520.6	5.43
487.7	11.79	548.6	8.57	381.0	2.60							551.4	6.32
518.5	12.50	579.1	9.18	396.2	3.12							581.9	6.99
548.6	12.87	609.6	10.14	426.7	4.08							612.6	8.01
579.1	13.41			457.2	4.92							643.1	9.18
609.6	14.12			487.7	5.73							674.2	10.06
				518.2	6.50							704.7	10.78
												735.2	11.47
												744.3	11.61

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

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

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 18 12 75
-FORAGE PENDANT 116 JOURS
-PROFONDEUR TOTALE 3295 METRES
-FORAGE ARRETE LE 13 4 76
-ABANDON DU PUITS LE 13 4 76

EARTH PHYSICS BRANCH NO.
276 ULU A-35
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

68 DEGREES 44.0 MINUTES NORTH
135 DEGREES 52.9 MINUTES WEST

68 DEGRES 44.0 MINUTES NORD
135 DEGRES 52.9 MINUTES OUEST

ELEVATION 3 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 18 10 76		DATE 19 3 77		DATE 13 4 78		DATE 21 7 78	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
15.2	3.10	30.8	-3.21	15.5	-.61	15.5	-.80
30.5	4.01	61.0	.90	30.5	-.35	30.5	-.48
60.7	6.72	91.4	3.34	45.7	-.27	45.7	-.39
91.4	8.86	121.9	5.09	61.3	.01	61.3	-.13
121.6	10.58	152.4	6.28	75.9	.34	76.2	-.15
152.4	11.33			91.4	1.47	91.7	1.38
				107.0	2.29	106.7	2.17
				121.9	3.10	121.9	2.90
				137.2	3.61	137.5	3.42
				152.4	4.41	152.7	4.33
				167.0	4.83	167.6	4.72

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

SHELL ULU A-35
-WELL SPUDDED 15 3 76
-DRILLING FOR 189 DAYS
-TOTAL DEPTH 3920 METRES
-DRILLING STOPPED 20 9 76

SHELL ULU A-35
-DEMARRAGE DU PUITS LE 15 3 76
-FORAGE PENDANT 189 JOURS
-PROFONDEUR TOTALE 3920 METRES
-FORAGE ARRETE LE 20 9 76

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

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 21 10 76		DATE 14 3 77		DATE 14 8 77		DATE 16 7 78	
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
30.2	-.39	91.4	-1.09	61.0	-3.71	30.8	-2.67
60.7	-.31	121.6	-.48	91.9	-2.98	61.6	-4.16
91.1	-.28	152.4	-2.14	122.2	-2.65	91.7	-3.74
121.9	-.38	182.9	-2.25	152.9	-2.94	122.5	-3.43
152.4	-.43	213.4	-.99	183.5	-2.36	153.3	-3.29
182.9	-.51	243.8	-.55	214.1	-1.56	183.8	-2.87
213.4	-.60	274.3	-.42	244.8	-.80	214.3	-2.20
243.5	-.41	305.1	-.47	275.4	-.46	245.1	-1.43
274.0	-.30	335.0	-.33	306.0	-.50	275.2	-.94
304.8	-.34	350.5	-.19	336.7	-.31	306.6	-.62
335.0	-.29	365.5	1.19	367.0	.83	336.8	-.33
350.5	.13	395.9	2.16	397.9	1.82	367.6	.51
358.1	.66	426.4	2.87	428.5	2.64	398.1	1.59
366.1	2.30			459.2	3.37	428.5	2.42
381.0	2.76			478.5	3.83	459.3	3.14
396.2	3.28					490.1	3.97
426.7	3.88					520.6	4.78
456.3	3.87					551.1	5.68

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

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

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 14 4 76
-FORAGE PENDANT 44 JOURS
-PROFONDEUR TOTALE 3288 METRES
-FORAGE ARRETE LE 28 5 76

EARTH PHYSICS BRANCH NO.
278 NIGLINTGAK B-19
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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69 DEGREES 18.2 MINUTES NORTH
135 DEGREES 18.3 MINUTES WEST

69 DEGRES 18.2 MINUTES NORD
135 DEGRES 18.3 MINUTES OUEST

ELEVATION 2 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 25 3 77		DATE 14 8 77		DATE 21 7 78	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
30.5	-2.75	15.0	-2.96	15.2	-3.34
61.0	-1.30	30.6	-2.62	30.2	-3.14
91.7	-.79	46.6	-1.35	61.3	-1.71
122.2	-.34	61.3	-1.40	91.1	-.97
152.7	-.11	76.6	-.86	122.2	-.37
183.2	.82	92.2	-.62	152.7	-.20
213.4	1.39	107.2	-.32	183.2	.48
244.1	2.14	122.5	-.22	213.7	1.04
274.6	2.72	138.1	-.21	243.5	1.67
305.1	3.52	153.2	-.16	274.3	2.37
335.6	4.11	168.5	.19	304.8	3.07
365.8	4.72	183.8	.70	335.6	3.74
395.3	5.27	199.4	1.03	365.8	4.37
		214.7	1.37	391.7	4.91
		229.8	1.58		
		244.8	1.99		
		261.0	2.27		
		276.0	2.66		
		291.3	3.11		
		306.3	3.30		
		321.6	3.50		
		336.7	3.94		
		352.3	4.26		
		367.3	4.59		
		382.9	4.89		
		398.2	5.15		

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

SHELL NIGLINTGAK B-19
-WELL SPUDDED 18 10 75
-DRILLING FOR 74 DAYS
-TOTAL DEPTH 3144 METRES
-DRILLING STOPPED 1 1 76

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

SHELL NIGLINTGAK B-19
-DEMARRAGE DU PUITS LE 18 10 75
-FORAGE PENDANT 74 JOURS
-PROFONDEUR TOTALE 3144 METRES
-FORAGE ARRETE LE 1 1 76

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

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 15 4 77		DATE 14 4 78		DATE 15 7 78	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
15.2	-2.50	15.2	-7.59	15.5	-5.96
30.5	-.58	30.5	-6.17	30.5	-5.52
61.0	.18	45.4	-4.72	46.3	-4.68
91.4	.75	61.3	-3.55	61.6	-3.79
121.9	.20	75.9	-2.61	77.1	-3.00
152.4	1.02	91.4	-1.53	92.4	-2.19
182.9	2.03	106.7	-1.74	107.6	-2.26
213.4	.80	122.2	-1.85	123.1	-2.11
243.8	1.52	137.2	-1.44	138.7	-1.76
274.3	1.16	152.4	-1.05	153.6	-1.36
304.8	1.79	167.6	-.61	169.5	-.88
320.0	4.20	182.9	-.52	184.4	-.74
337.4	5.82	198.4	-.43	200.3	-.52
		213.7	-.34	215.5	-.38
		228.9	-.32	231.0	-.36
		243.8	-.45	246.3	-.48
		259.1	-.38	261.5	-.41
		274.3	-.28	277.1	-.30
		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 26 12 76
-DRILLING FOR 99 DAYS
-TOTAL DEPTH 3961 METRES
-WELL ABANDONED 4 4 77

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 26 12 76
-FORAGE PENDANT 99 JOURS
-PROFONDEUR TOTALE 3961 METRES
-ABANDON DU PUITS LE 4 4 77

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 14 8 77		DATE 17 3 78		DATE 21 7 78	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
30.6	-.87	34.1	-2.77	14.9	-2.70
61.3	-.40	64.6	-.80	30.5	-2.46
91.9	-.25	95.1	-.44	61.3	-.93
122.8	-.21	125.6	-.31	91.4	-.43
153.2	-.92	156.1	-1.05	121.6	-.39
184.1	-.22	186.5	-.36	152.7	-1.10
214.4	.08	217.0	-.70	182.9	-.46
244.8	.92	247.5	-.10	213.4	-.77
275.7	1.91	278.0	.67	243.5	-.17
306.3	2.56	308.5	1.30	274.0	.52
336.7	3.06	338.9	1.88	305.1	1.13
367.3	3.63	369.4	2.43	335.3	1.84
398.2	4.22	399.9	3.07	365.8	2.36
428.9	4.72	430.4	3.65	396.5	2.99
459.8	5.29	460.9	4.36	427.0	3.58
490.1	5.80	491.3	4.88	457.2	4.27
		521.8	5.46	487.7	4.78
				517.9	5.19
				548.9	5.54
				579.1	6.15
				609.5	6.79
				640.4	7.32
				670.6	7.79
				701.0	8.38
				731.5	9.01
				762.0	9.61

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

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

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 28 2 77
-FORAGE PENDANT 100 JOURS
-PROFONDEUR TOTALE METRES
-ABANDON DU PUITS LE 8 6 77

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

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 13 8 77		DATE 20 7 78	
Z(M)	T(C)	Z(M)	T(C)
15.6	-4.84	60.7	-1.70
30.6	-3.75	91.4	-1.46
46.0	-2.48	121.6	-1.31
61.3	-.23	152.7	-1.45
76.6	-.18	182.9	-1.18
91.9	-.15	213.1	-.95
107.2	-.18		
122.5	-.36		
137.8	-.44		
153.2	-.42		
168.5	-.43		
183.8	-.38		
199.1	-.34		
214.7	-.33		
229.8	-.29		
245.1	-.14		
245.1	-.03		
275.7	-.17		
275.8	-.14		
306.3	-.09		
321.6	.52		
337.3	.80		
352.3	.79		
367.6	.83		
382.9	1.08		
397.9	1.09		
413.9	1.05		
428.9	1.11		

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

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

TEMPERATURES OBTENJES 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
-DEMARRAGE DU PUITS LE 8 3 77
-FORAGE PENDANT 55 JOURS
-PROFONDEUR TOTALE 1860 METRES
-FORAGE ARRETE LE 2 5 77
-ABANDON DU PUITS LE 6 5 77

EARTH PHYSICS BRANCH NO. 282 TAGLU N-43

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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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 16 4 77		DATE 14 8 77		DATE 18 7 78	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
8.7	-3.17	15.1	-4.94	7.6	-6.05
16.4	-2.10	23.1	-4.79	15.2	-4.95
24.0	-2.63	30.5	-4.38	22.9	-4.76
31.6	-2.43	38.4	-4.02	30.5	-4.46
39.2	-1.99	45.8	-3.73	38.4	-4.06
46.8	-1.15	53.5	-3.44	45.7	-3.78
54.5	-1.49	61.4	-3.15	53.3	-3.51
62.1	-1.60	68.8	-2.80	61.0	-3.18
69.7	-.54	76.4	-2.46	68.9	-2.80
77.6	-.93	84.4	-2.17	76.2	-2.46
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	.88				
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 9 4 77
-DRILLING FOR 4 DAYS
-TOTAL DEPTH 193 METRES
-DRILLING STOPPED 13 4 77
-WELL ABANDONED 13 4 77

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 9 4 77
-FORAGE PENDANT 4 JOURS
-PROFONDEUR TOTALE 193 METRES
-FORAGE ARRETE LE 13 4 77
-ABANDON DU PUITS LE 13 4 77

EARTH PHYSICS BRANCH NO.

283 KENTY LAKE - 1

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

61 DEGREES 29.2 MINUTES NORTH
74 DEGREES 26.4 MINUTES WEST

61 DEGRES 29.2 MINUTES NORD
74 DEGRES 26.4 MINUTES OUEST

ELEVATION 490 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DEPTH (M)	DATE 6 7 77 TEMP (C)	DATE 30 8 78 TEMP (C)
10.1	-1.60	-5.77
20.9	-2.55	-5.42
31.7	-2.82	-5.72
42.5	-3.33	-5.88
53.2	-3.90	-5.87
74.8	-3.73	-5.88
85.6	-3.82	-5.80
96.3	-3.93	-5.71
107.1	-3.89	-5.66

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.

COMINCO KENTY LAKE D-77-24, CABLE 190
-WELL SPUDDED 22 6 77
-DRILLING FOR 6 DAYS
-TOTAL DEPTH 193 METRES
-DRILLING STOPPED 6 7 77

COMINCO KENTY LAKE D-77-24, CABLE 190
-DEMARRAGE DU PUITS LE 22 6 77
-FORAGE PENDANT 6 JOURS
-PROFONDEUR TOTALE 193 METRES
-FORAGE ARRETE LE 6 7 77

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. 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 14 4 78		DATE 16 7 78	
Z(M)	T(C)	Z(M)	T(C)
30.8	-.92	15.5	-3.98
61.0	-3.91	30.5	-2.50
91.4	-3.90	61.3	-4.28
121.9	-3.50	92.0	-4.17
152.4	-3.61	122.2	-3.89
182.9	-3.05	153.0	-3.76
213.7	-2.27	183.8	-3.31
243.8	-1.50	214.6	-2.56
274.3	-.62	245.1	-1.90
305.1	-.68	275.8	-1.08
335.3	-.40	306.3	-1.05
350.5	-.32	336.8	-.42
365.8	-.31	367.6	-.28
381.0	-.16	398.4	.63
396.2	.73	429.2	1.41
411.5	1.13	430.1	1.47
426.7	1.44		

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

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

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 17 4 77
-FORAGE PENDANT 65 JOURS
-PROFONDEUR TOTALE 3428 METRES
-ABANDON DU PUITS LE 21 6 77

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

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 14 4 78		DATE 16 7 78	
Z(M)	T(C)	Z(M)	T(C)
30.2	-.90	15.2	-2.62
61.0	-4.07	30.2	-.78
91.7	-3.33	61.6	-4.43
121.9	-2.56	91.4	-3.84
152.4	-2.65	122.5	-3.26
183.2	-1.67	152.7	-3.37
213.7	-.67	184.1	-2.37
244.1	-.45	214.3	-.86
274.3	-.46	245.1	-.50
305.1	-.47	275.5	-.48
335.3	-.43	306.0	-.47
350.8	-.16	336.8	-.44
365.5	1.38	367.9	1.25
381.0	1.84	398.4	2.18
396.2	2.28	429.2	2.98
426.7	3.10	459.6	3.84
457.5	3.91	490.1	4.77
487.7	4.85	520.6	5.58
518.5	5.67	551.1	6.46
		581.9	7.33
		612.6	8.18
		643.4	9.04
		673.6	9.83
		704.4	10.47
		723.0	10.66

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.

GULF MOBIL PARSONS D-20
- -WELL SPUDDED 21 4 76
- -DRILLING FOR 17 DAYS
- -TOTAL DEPTH 4140 METRES
- -DRILLING STOPPED 14 10 76
- -WELL ABANDONED 22 11 76

GULF MOBIL PARSONS D-20
- -DEMARRAGE DU PUITS LE 21 4 76
- -FORAGE PENDANT 17 JOURS
- -PROFONDEUR TOTALE 4140 METRES
- -FORAGE ARRETE LE 14 10 76
- -ABANDON DU PUITS LE 22 11 76

EARTH PHYSICS BRANCH NO.
286 BENT HORN N-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
25 5 78

Z(M)	T(C)
14.0	-11.88
44.5	-14.62
75.0	-14.10
105.5	-13.45
135.9	-12.49
166.4	-11.61
196.9	-10.62
227.4	-9.84
257.9	-8.89
288.3	-8.23
318.8	-7.41
349.3	-6.56
379.8	-5.89
410.3	-5.24
440.7	-4.64
471.2	-4.01
501.7	-3.40
532.2	-2.62
563.3	-1.84
593.8	-1.14
624.2	-.40
655.3	.45
685.8	1.33
716.6	1.94
747.1	2.47
777.5	2.99
808.0	3.65

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

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

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

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
26 07 78

Z(M)	T(C)
15.2	-5.67
30.2	-3.98
60.7	-2.93
91.4	-1.26
121.9	-.58
152.1	-.40
182.6	-.38
213.1	-.49
243.5	-.47
274.0	-.48
304.8	-.58
335.0	-.54
365.8	-.48
395.9	-.59
426.7	-.96
457.2	-.64
487.7	-.55
517.9	.48
548.6	1.08
579.1	1.84
609.6	2.61
639.8	3.37
670.6	4.19
700.7	5.27
722.4	5.82

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

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

EARTH PHYSICS BRANCH NO. 288 GARRY P-04
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 23.8 MINUTES NORTH
135 DEGREES 30.3 MINUTES WEST

69 DEGRES 23.8 MINUTES NORD
135 DEGRES 30.3 MINUTES OUEST

ELEVATION 1 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
22 7 78

Z(M)	T(C)
30.2	-3.74
61.0	-3.08
91.7	-2.36
122.2	-2.17
152.4	-2.19
183.2	-2.19
213.4	-2.24
243.5	-2.01
274.3	-2.33
304.5	-2.32
335.6	-2.23
366.1	-2.15
396.2	-1.95
426.7	-1.65
456.9	-1.29
472.4	-.98
487.7	-.47
502.9	.06
518.2	.43
533.4	.86
548.3	1.27
579.1	2.21
609.6	2.75
640.1	3.78
670.6	4.61
701.0	5.63
731.5	6.34
762.0	7.22

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

SUN SOBC BVX ET AL GARRY P-04
-WELL SPUDDED 25 8 75
-DRILLING FOR 60 DAYS
-TOTAL DEPTH 3300 METRES
-DRILLING STOPPED 24 10 75
-WELL ABANDONED 5 1 76

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

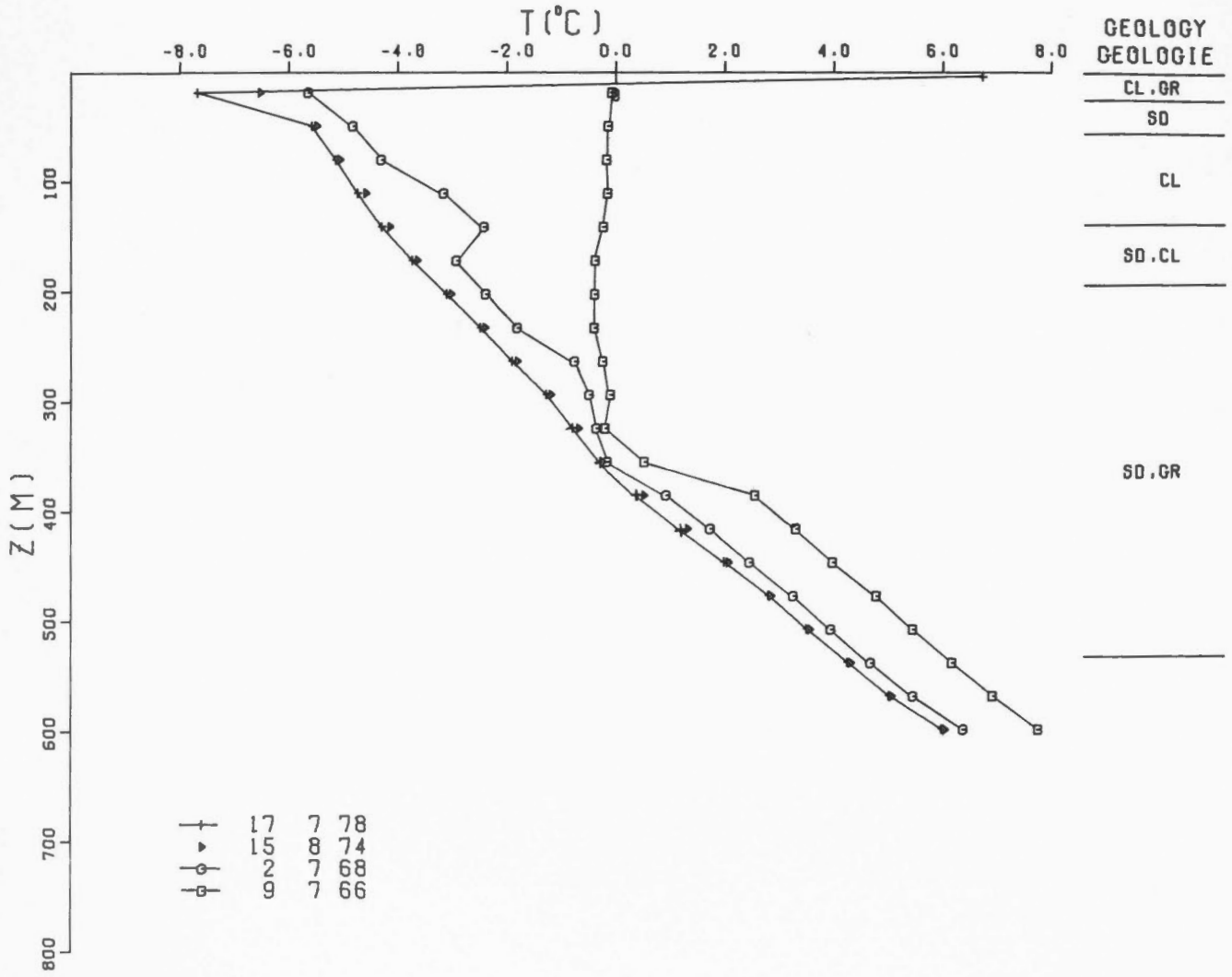
SUN SOBC BVX ET AL GARRY P-04
-DEMARRAGE DU PUITS LE 25 8 75
-FORAGE PENDANT 60 JOURS
-PROFONDEUR TOTALE 3300 METRES
-FORAGE ARRETE LE 24 10 75
-ABANDON DU PUITS LE 5 1 76

3.2 Graphs of Temperature versus Depth

3.2 Graphiques de la température en fonction de la profondeur

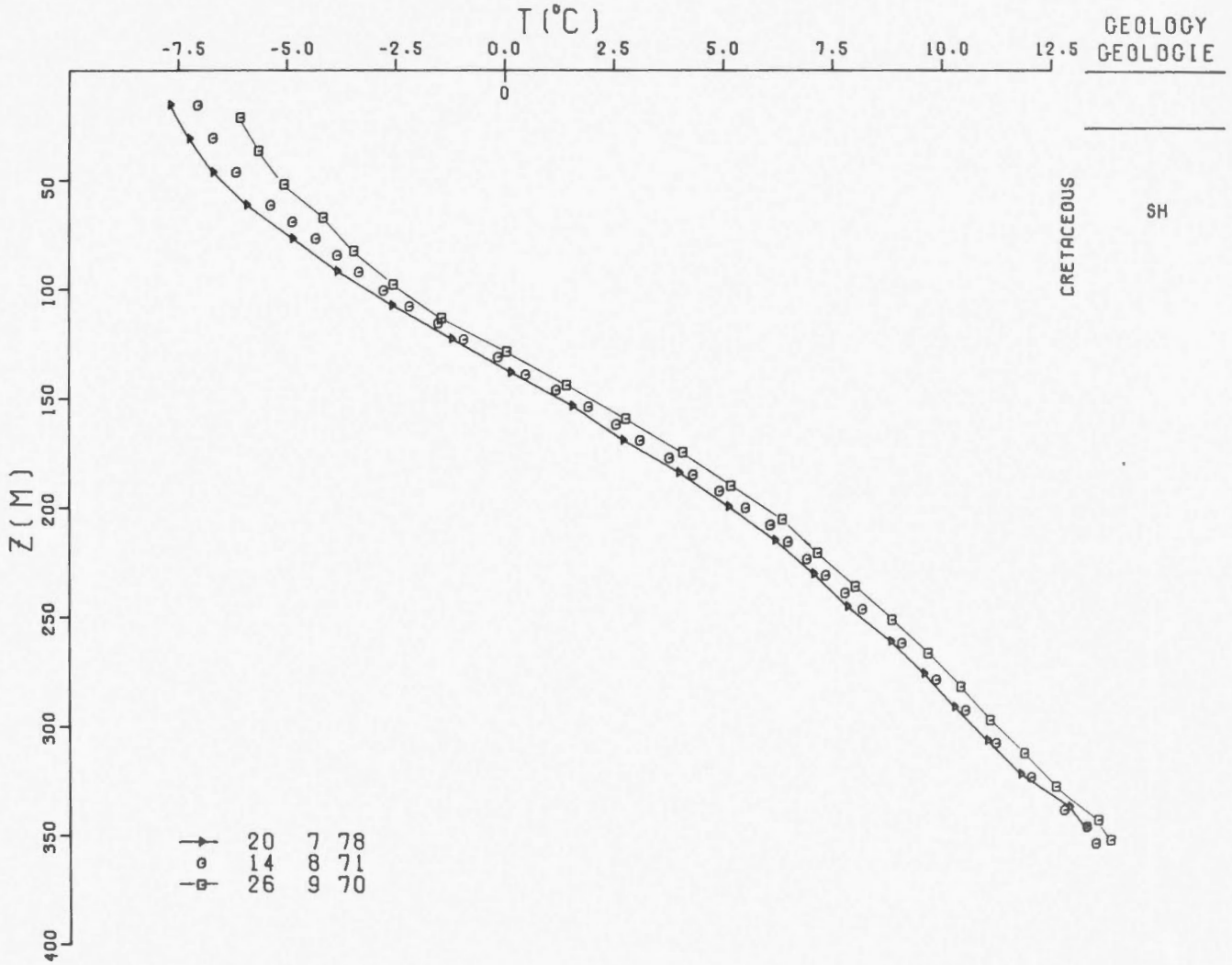
63 REINDEER D-27

69° 6.1' N 134° 36.9' W/O



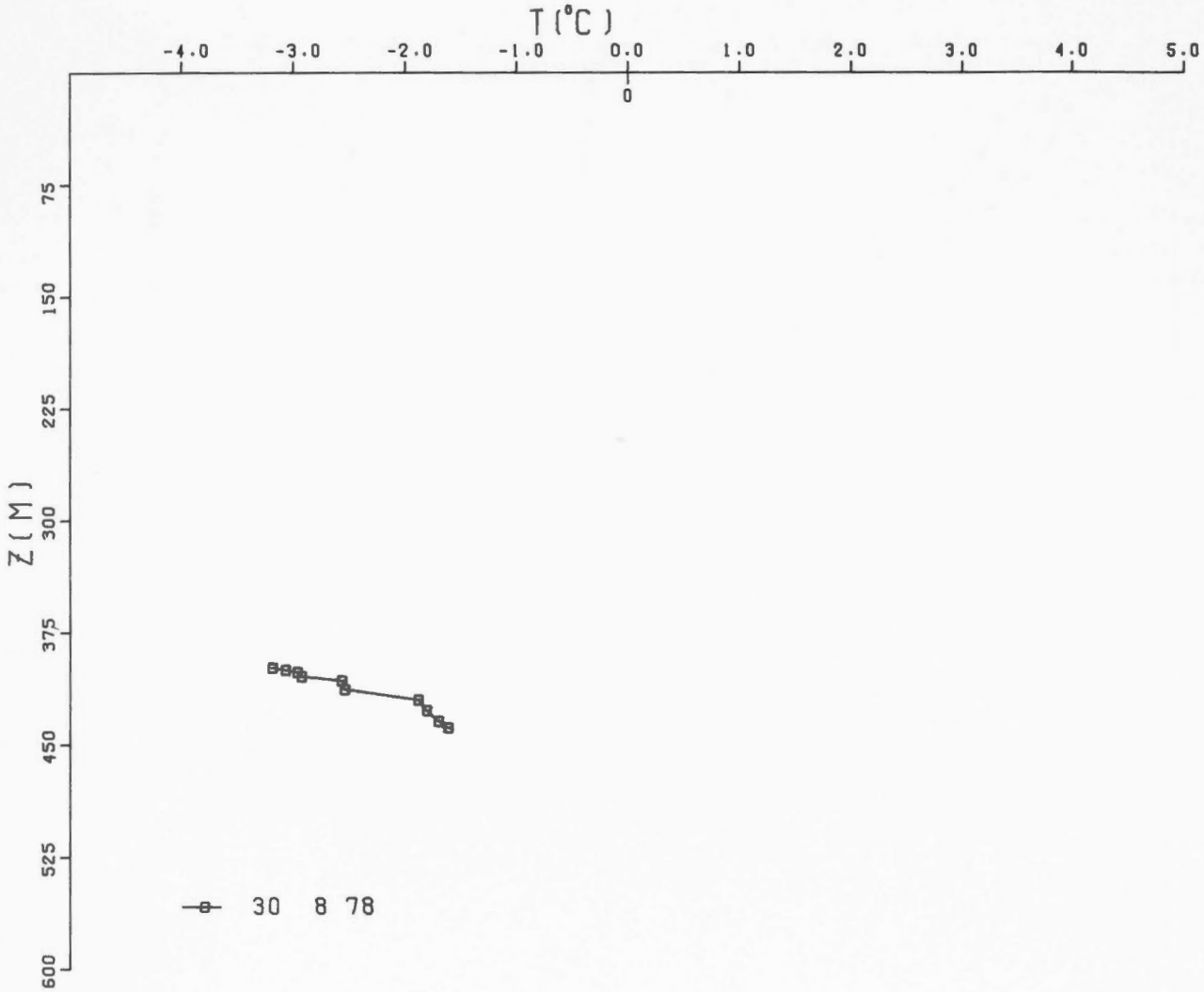
77 HORTON RIVER

69° 51.4' N 127° 15.9' W/0



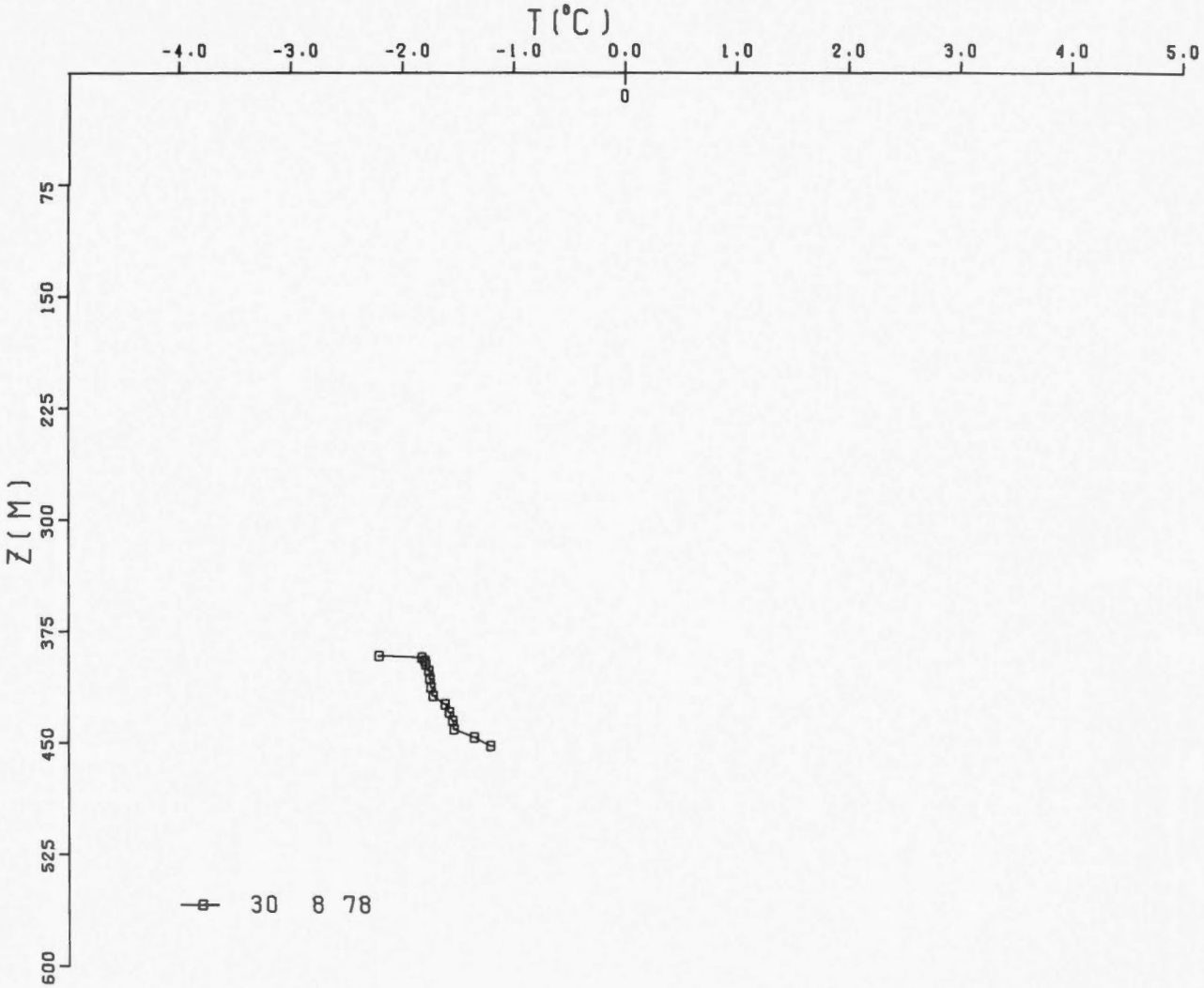
114 ASBESTOS HILL -6

61° 49.2' N 73° 57.6' W≈0



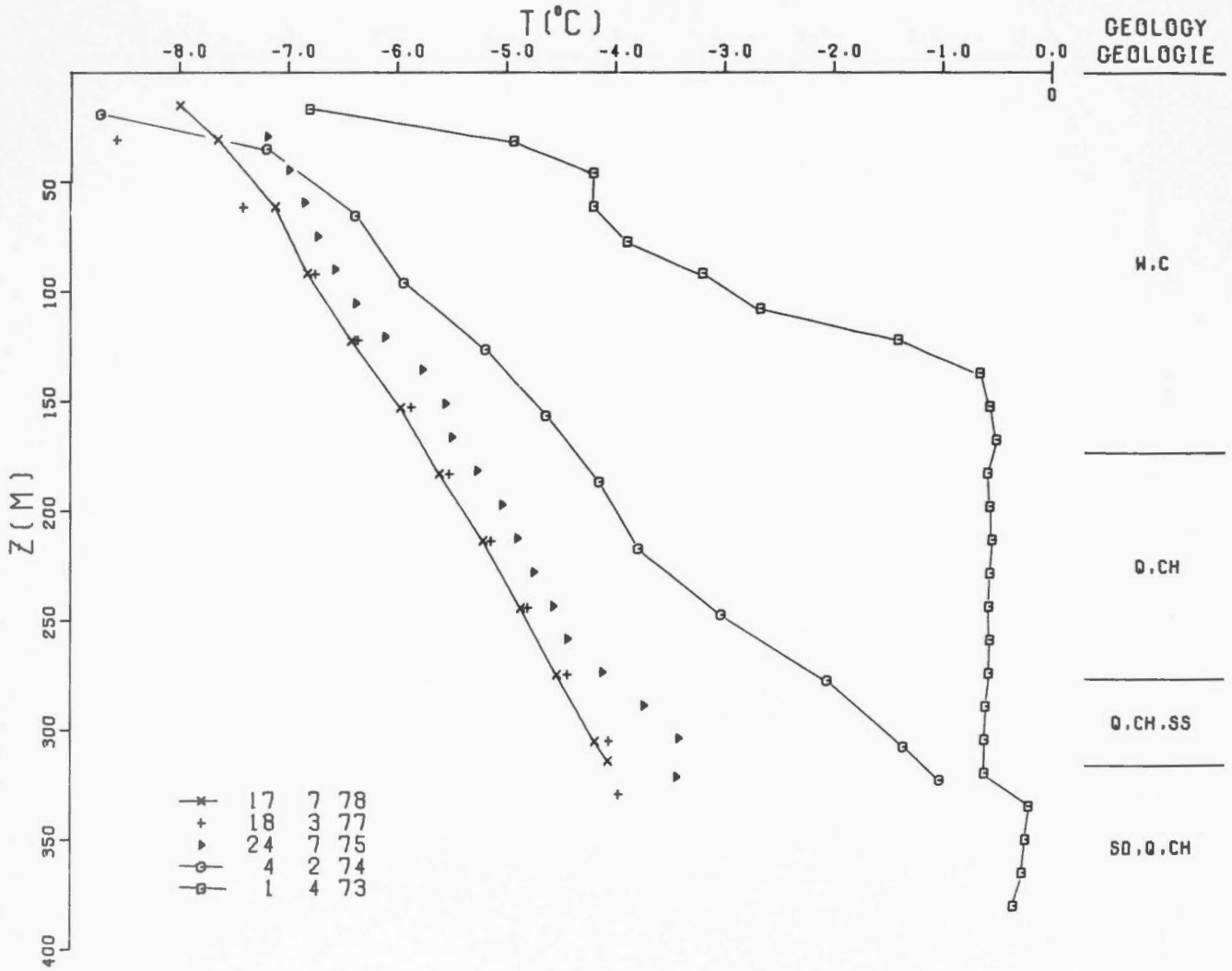
114 ASBESTOS HILL -7

61° 49.4' N 73° 57.3' W/O



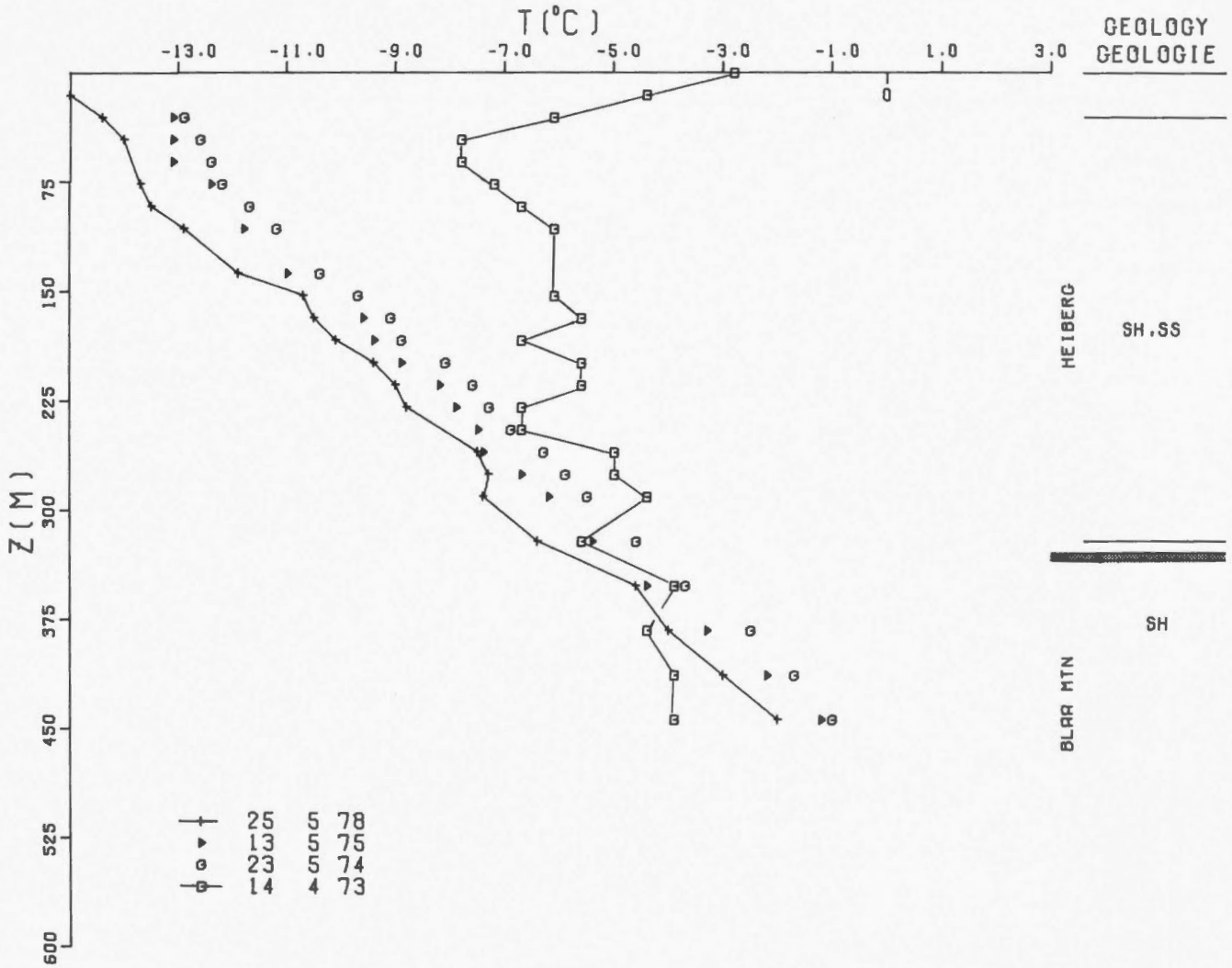
165 KILAGMIOTAK F-48

69° 27.5' N 134° 11.9' W/0



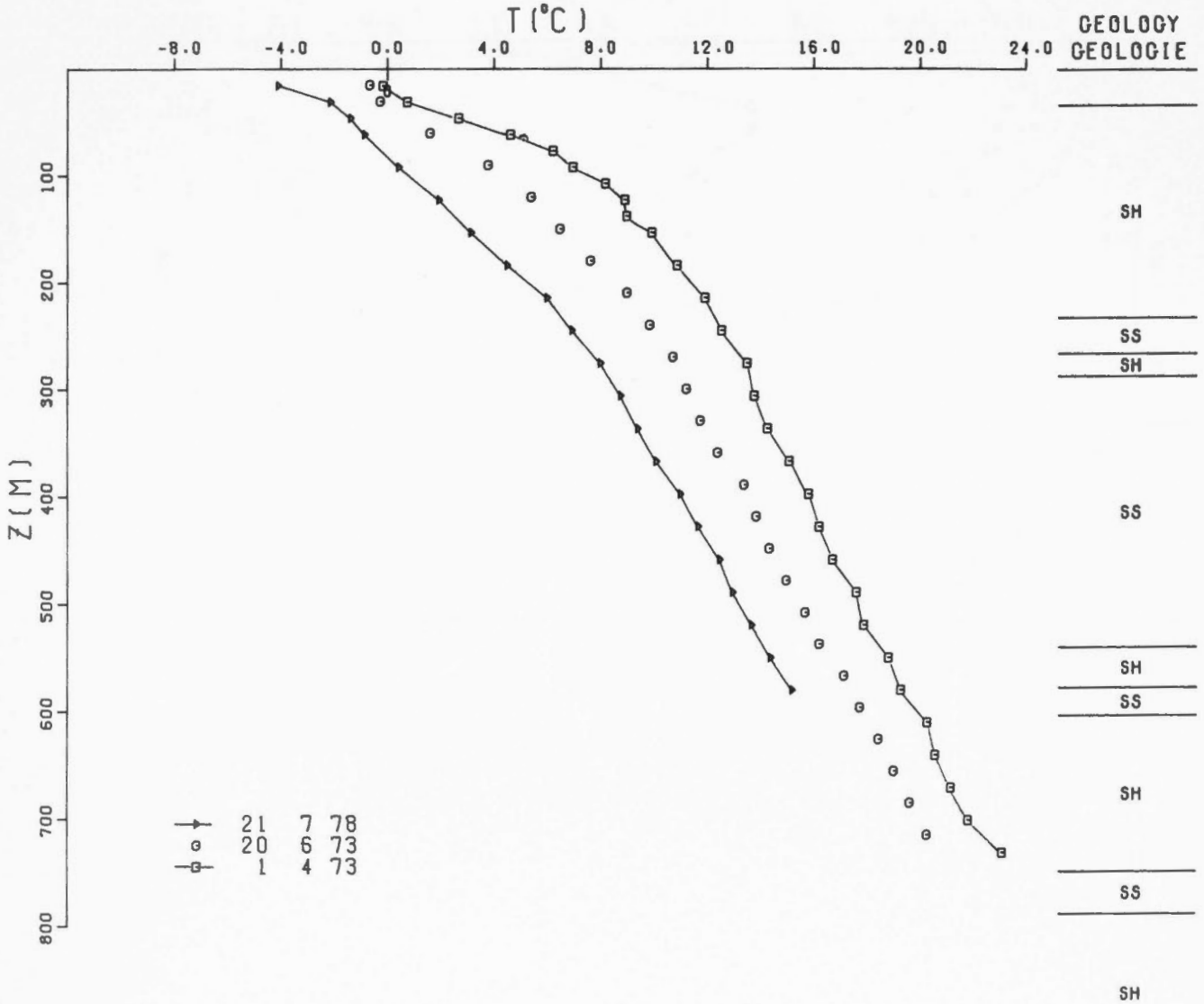
166 MOKKA A-02

79° 31.2' N 87° 1.2' W/O



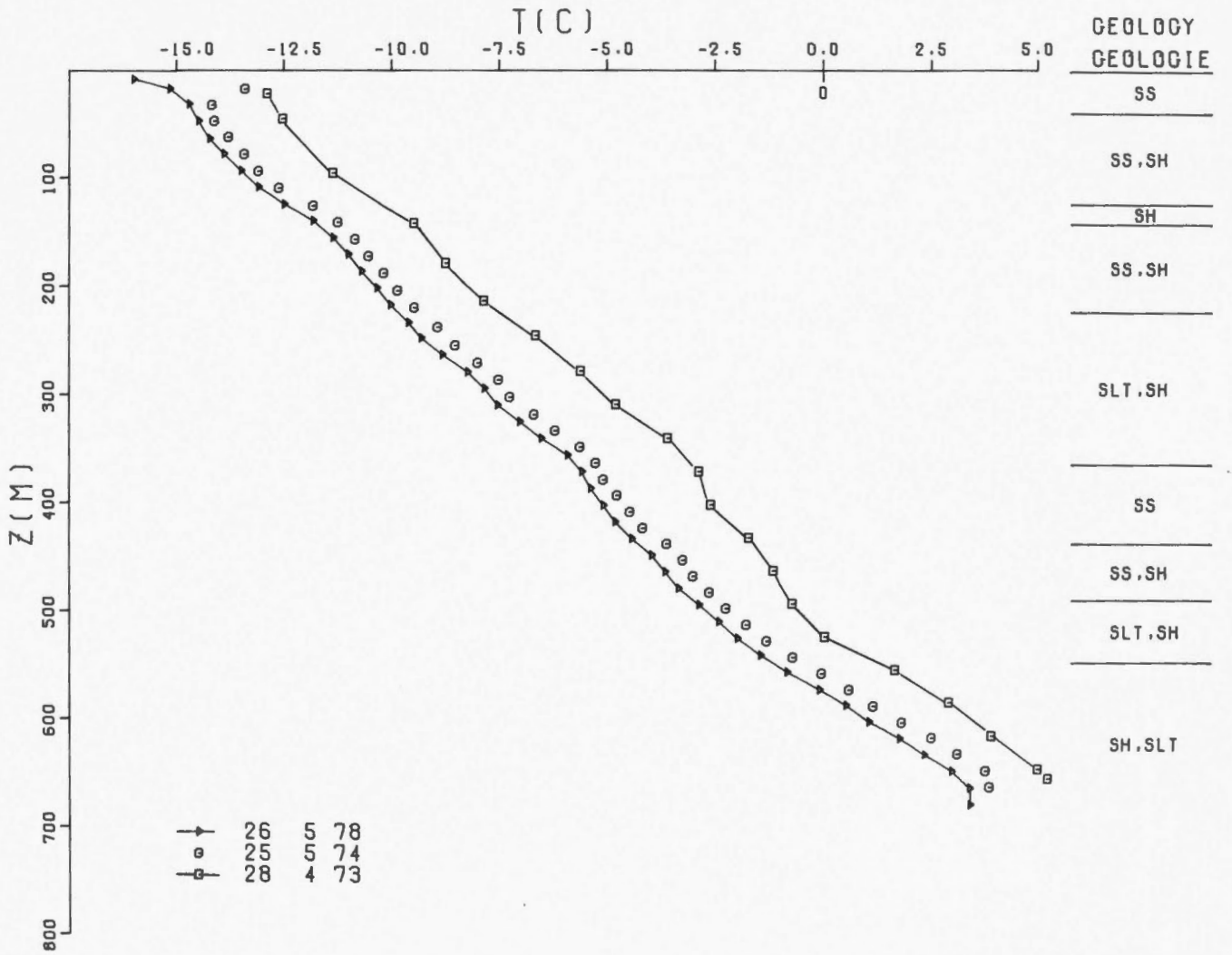
167 UNIPKAT I-22

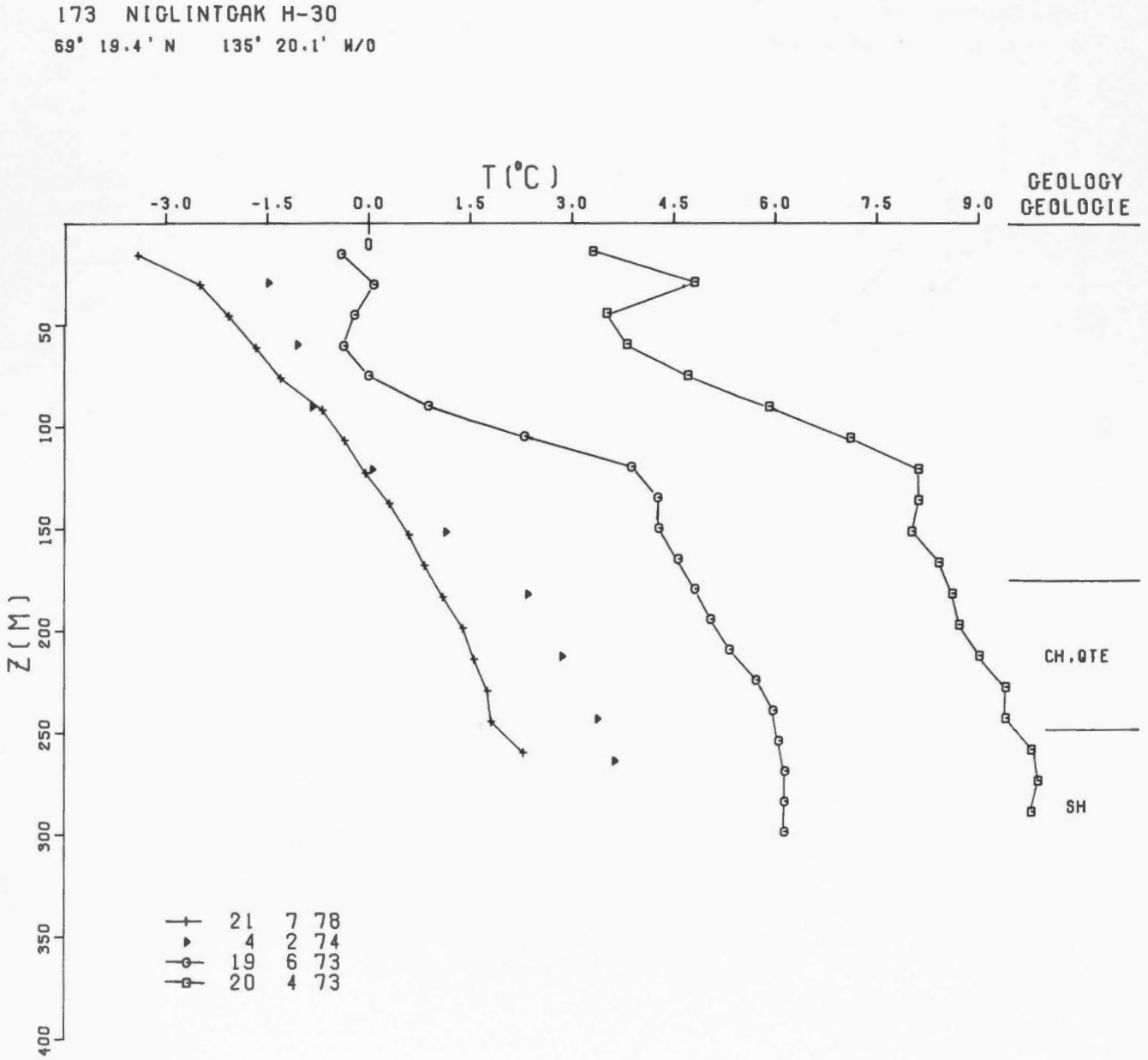
69° 11.7' N 135° 20.5' W/O



168 DUNDAS C-80

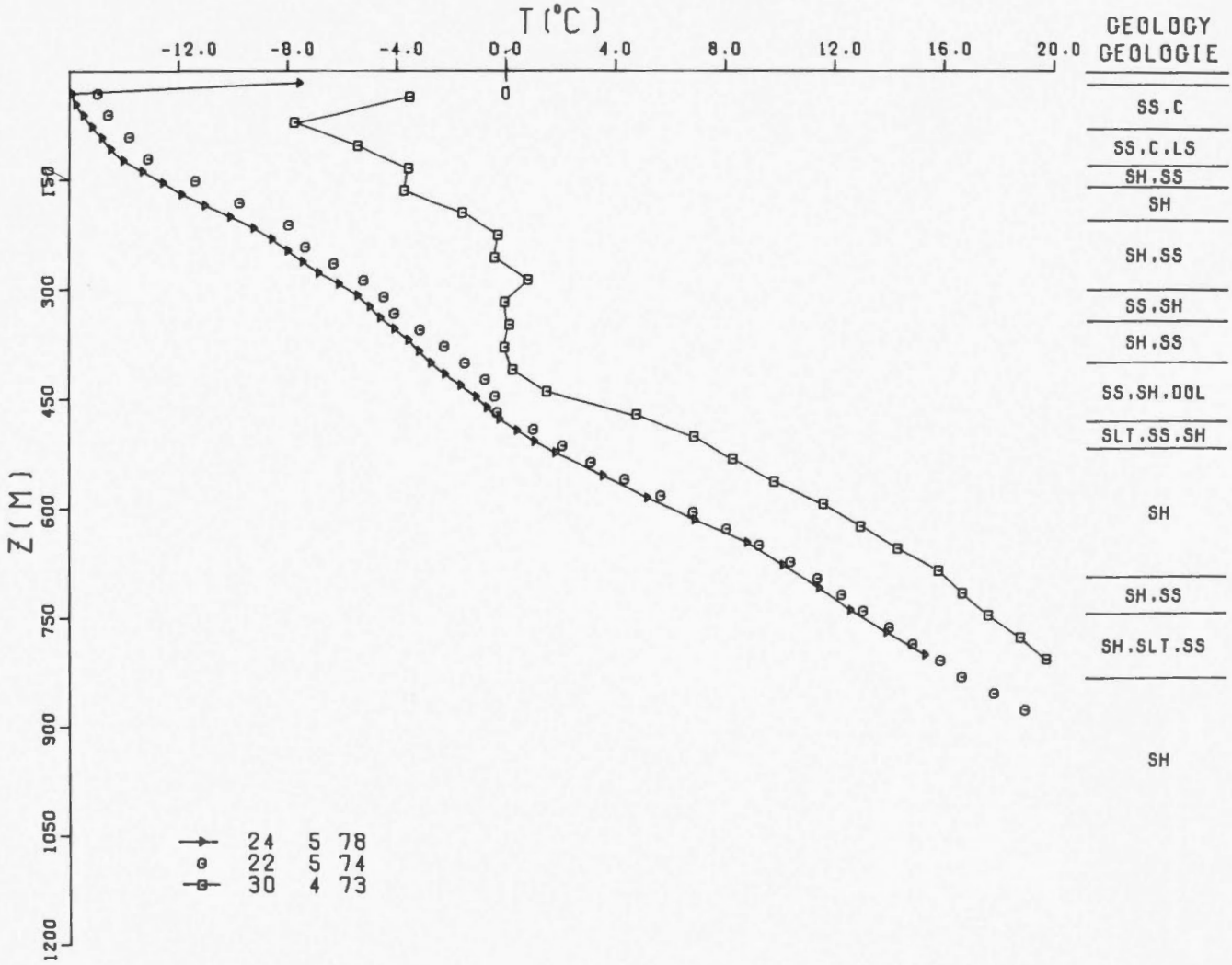
74° 39.0' N 113° 23.0' W/0




173 NIGLINTOAK H-30
69° 19.4' N 135° 20.1' W/O
T (°C)
-3.0
-1.5
0.0
1.5
3.0
4.5
6.0
7.5
9.0
GEOLOGY
GEOLOGIE
Z (M)
0
50
100
150
200
250
300
350
400
CH,QTE
SH
21 7 78
4 2 74
19 6 73
20 4 73

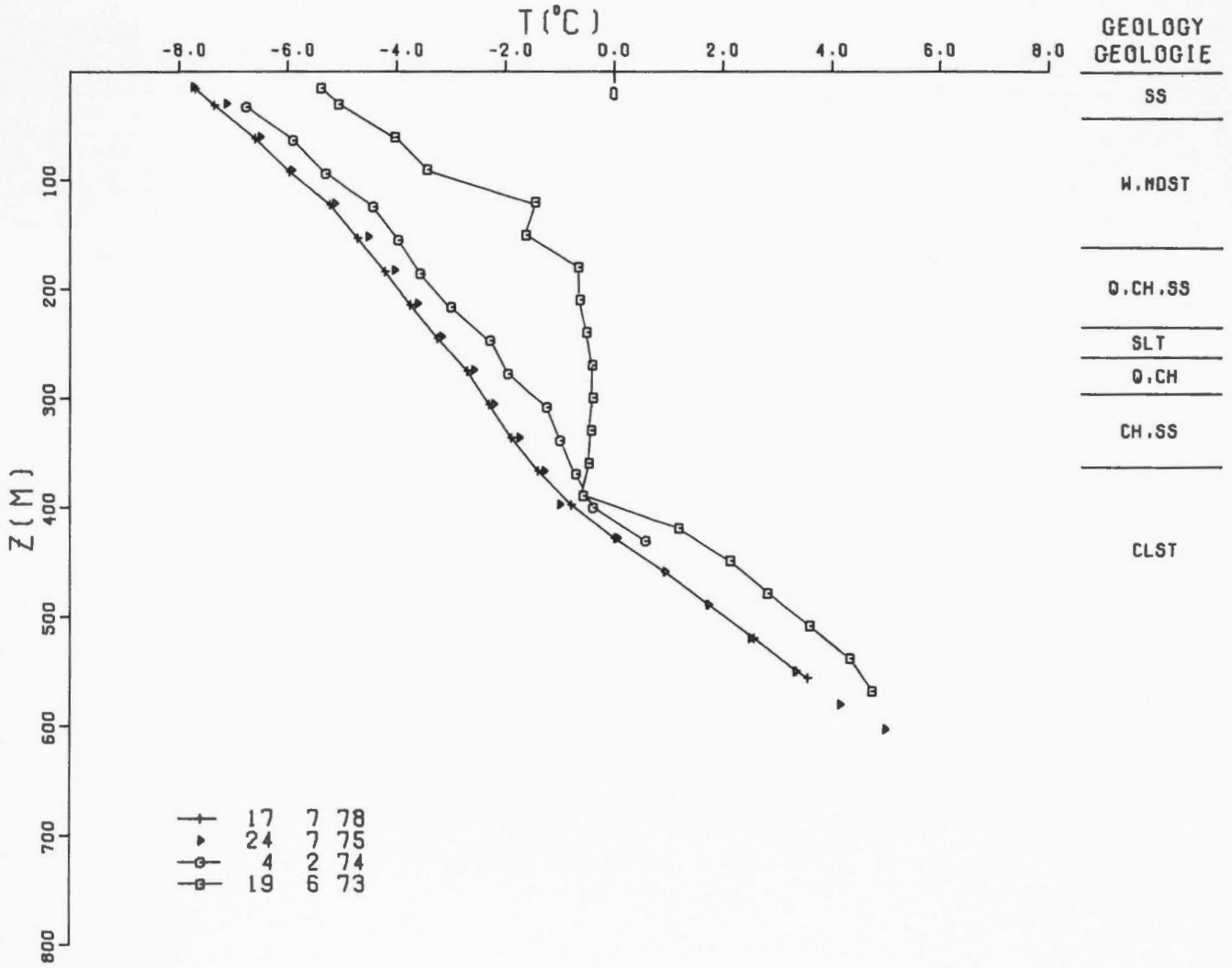
175 GEMINI E-10

79° 59.4' 84° 4.2'



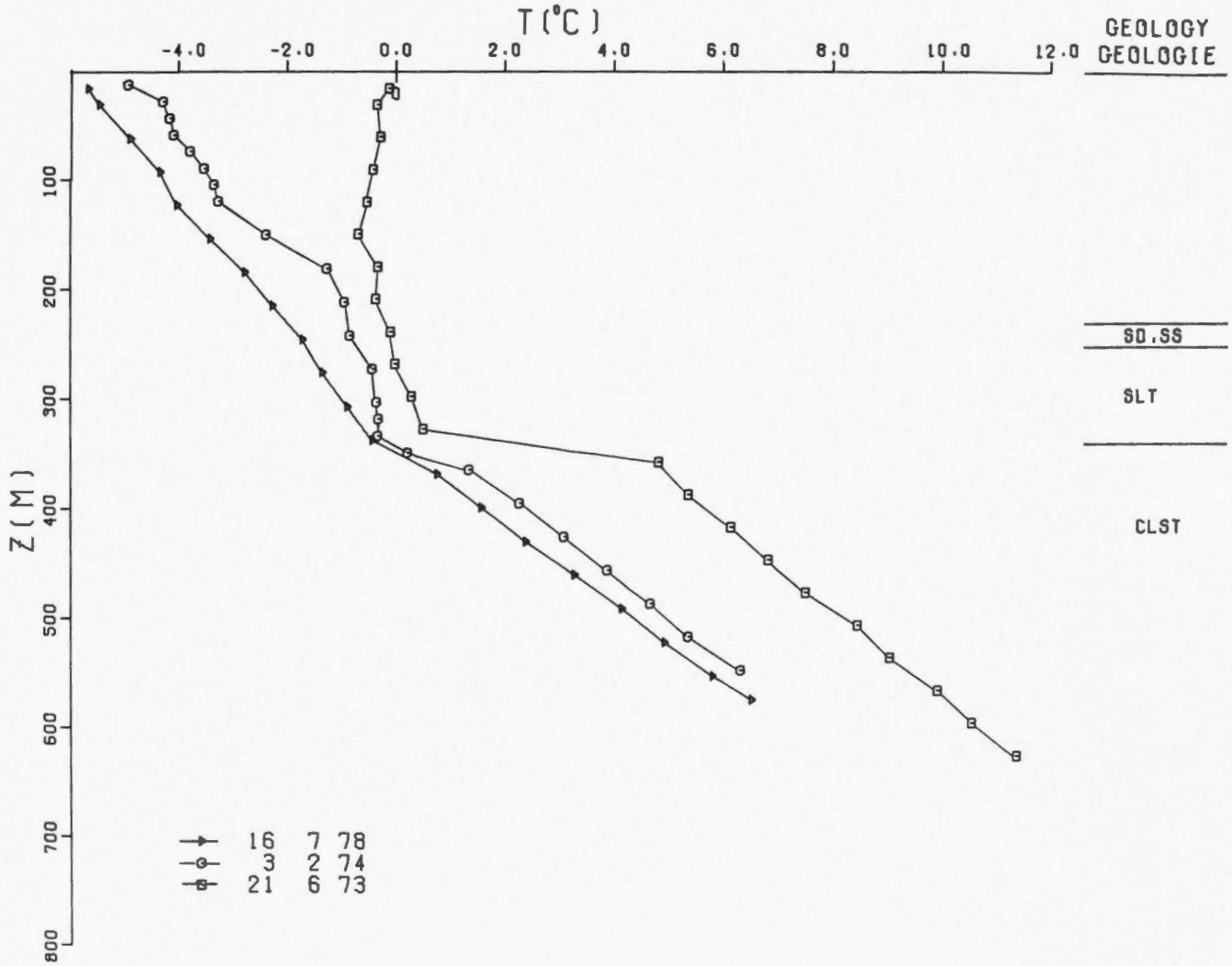
176 YA YA P-53

69° 12.8' N 134° 42.7' W/O



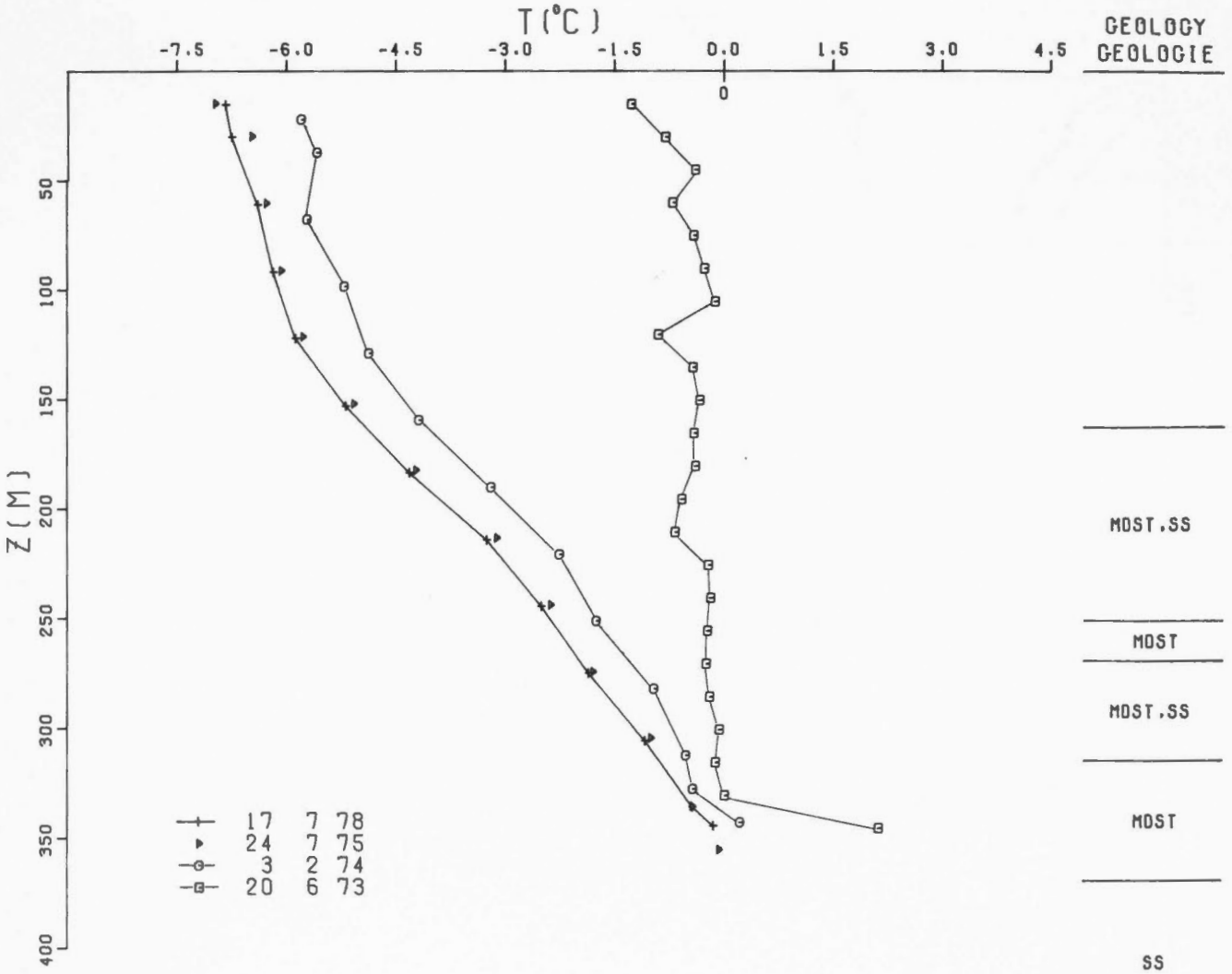
178 PARSONS N-10

68° 59.8' N 133° 31.8' W/O



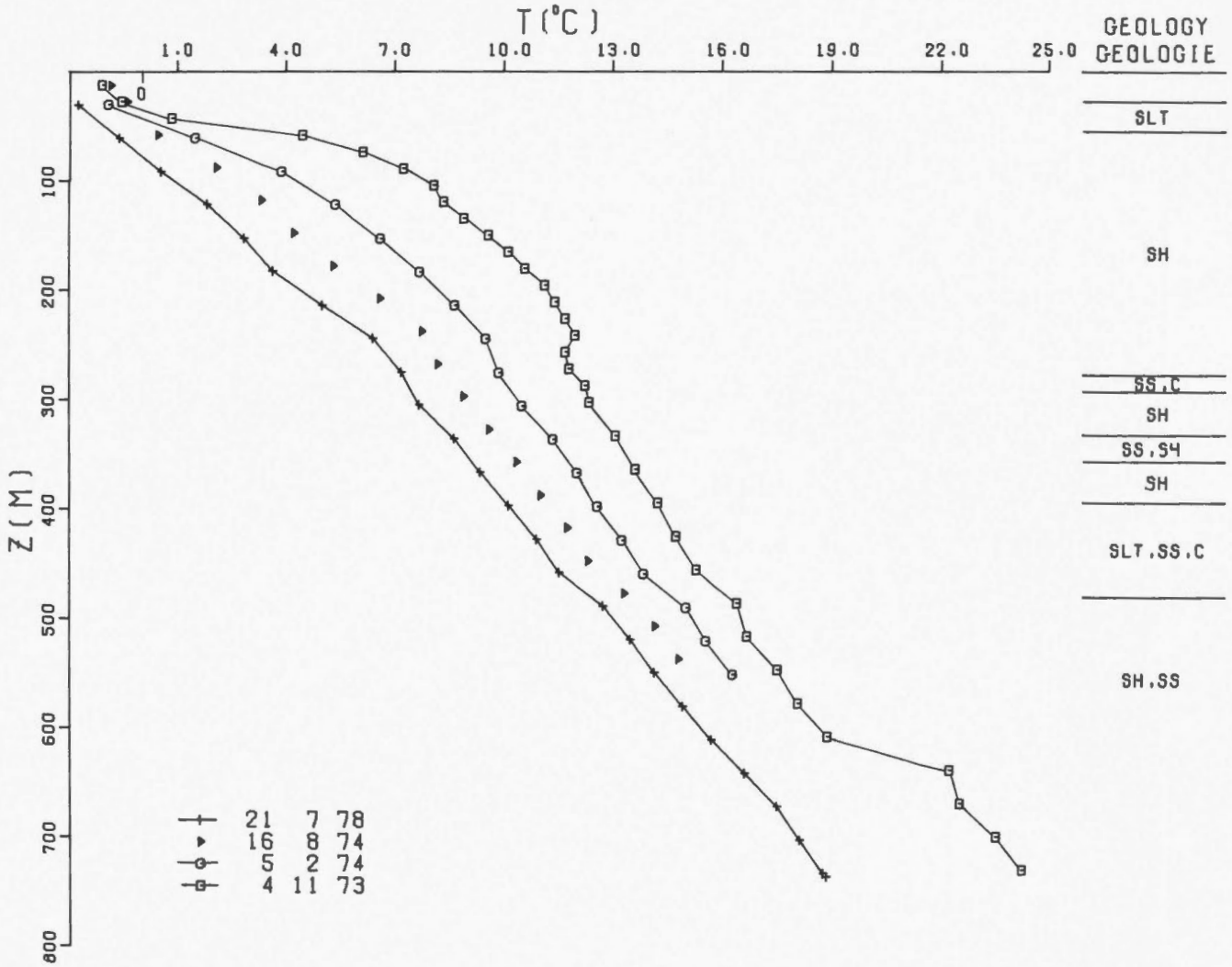
179 REINDEER F-36

69° 5.3' N 134° 39.0' W/0



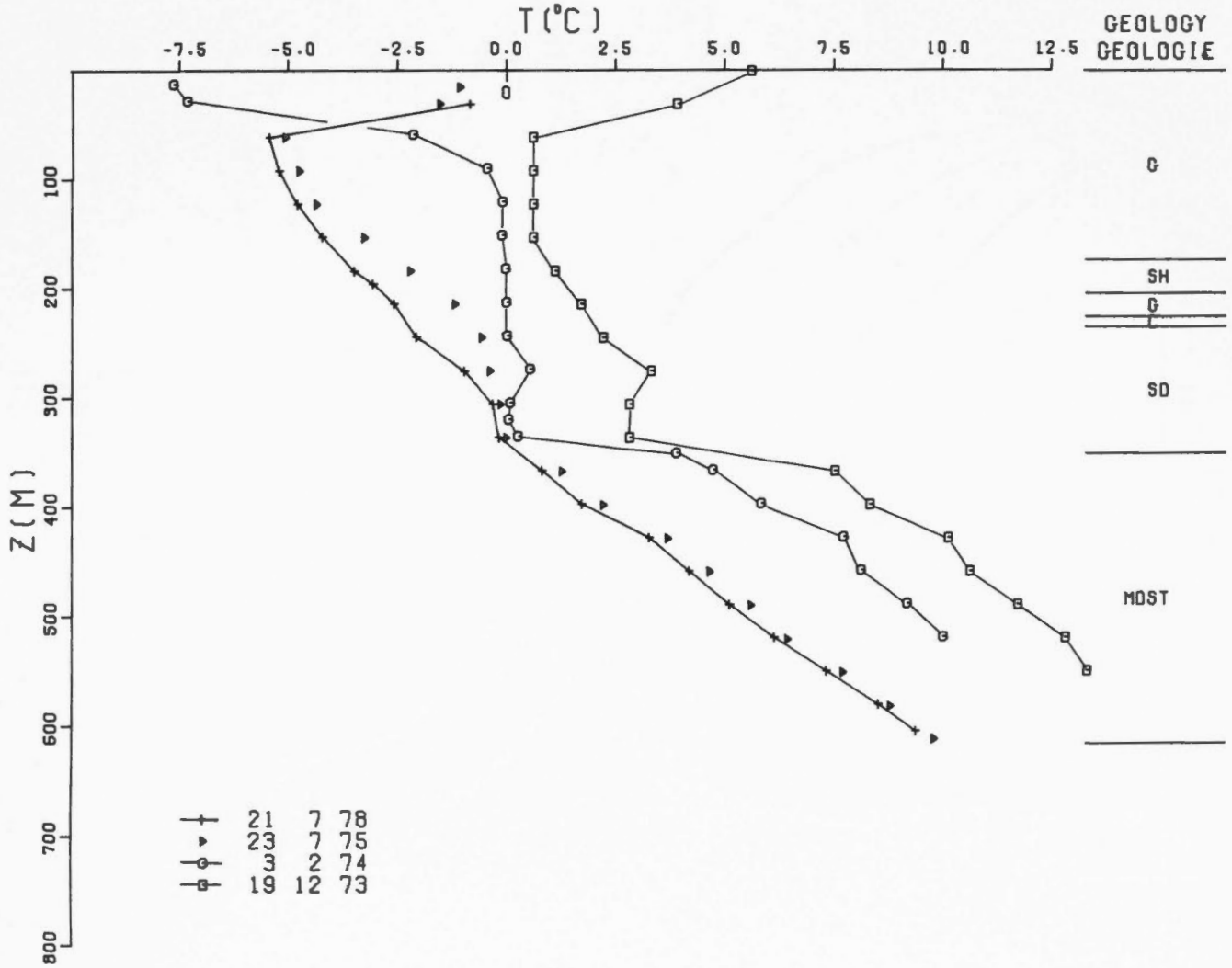
192 KUGPIK 0-13

68° 52.8' N 135° 18.2' W/O



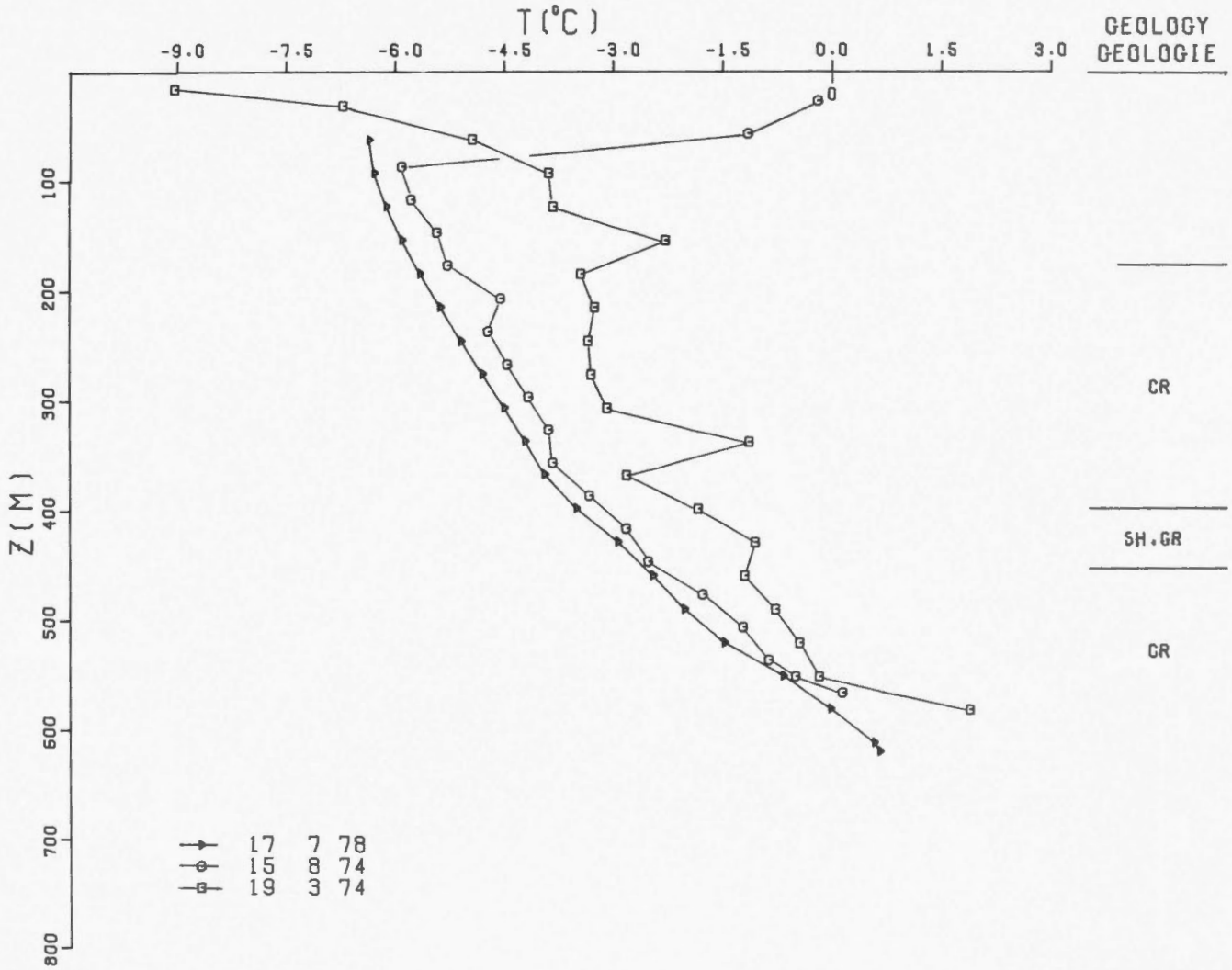
193 IKHIL I-37

68° 46.6' N 134° 7.8' W/O



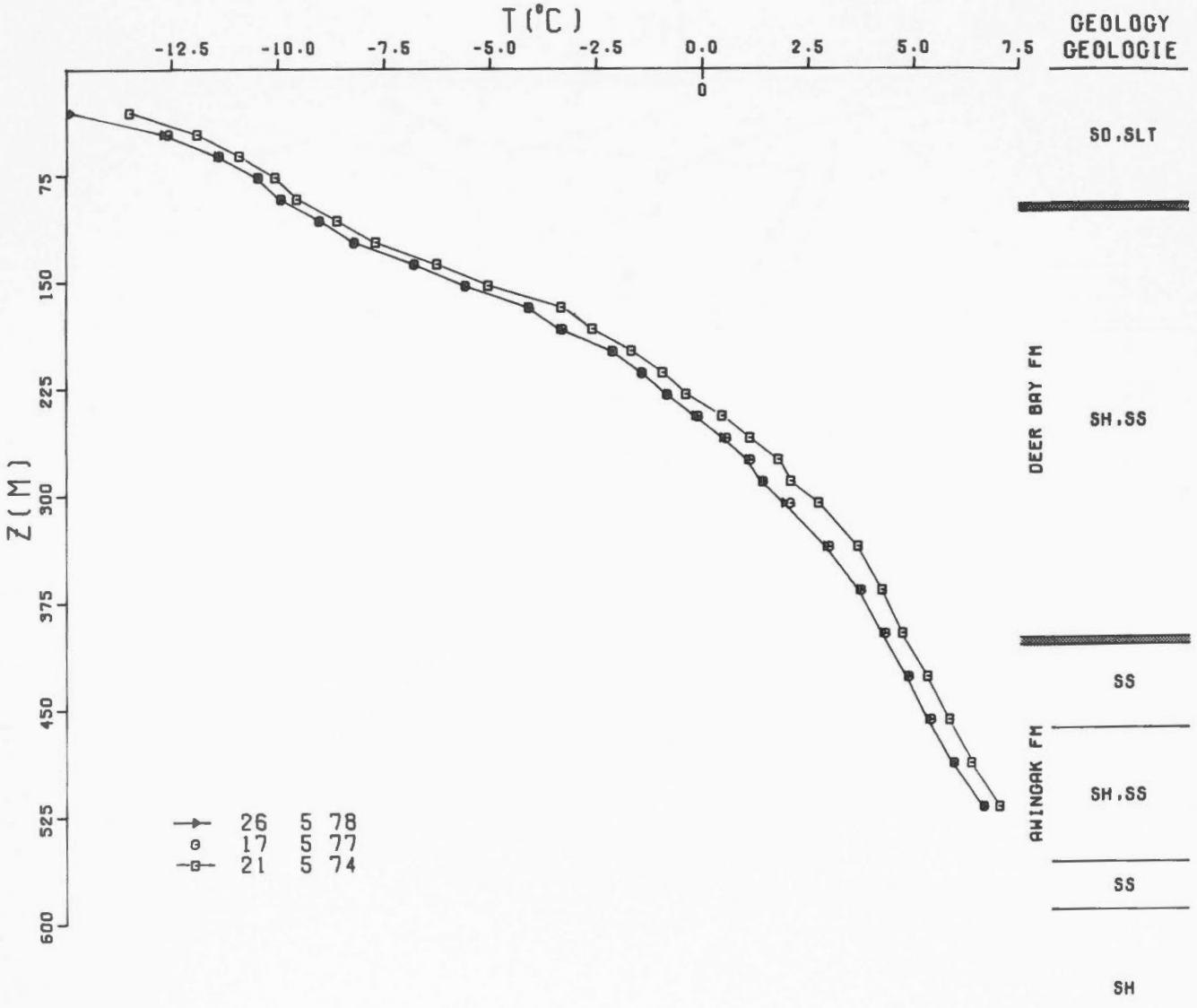
194 ATIGI O-48

68° 57.0' N 133° 56.1' W/O



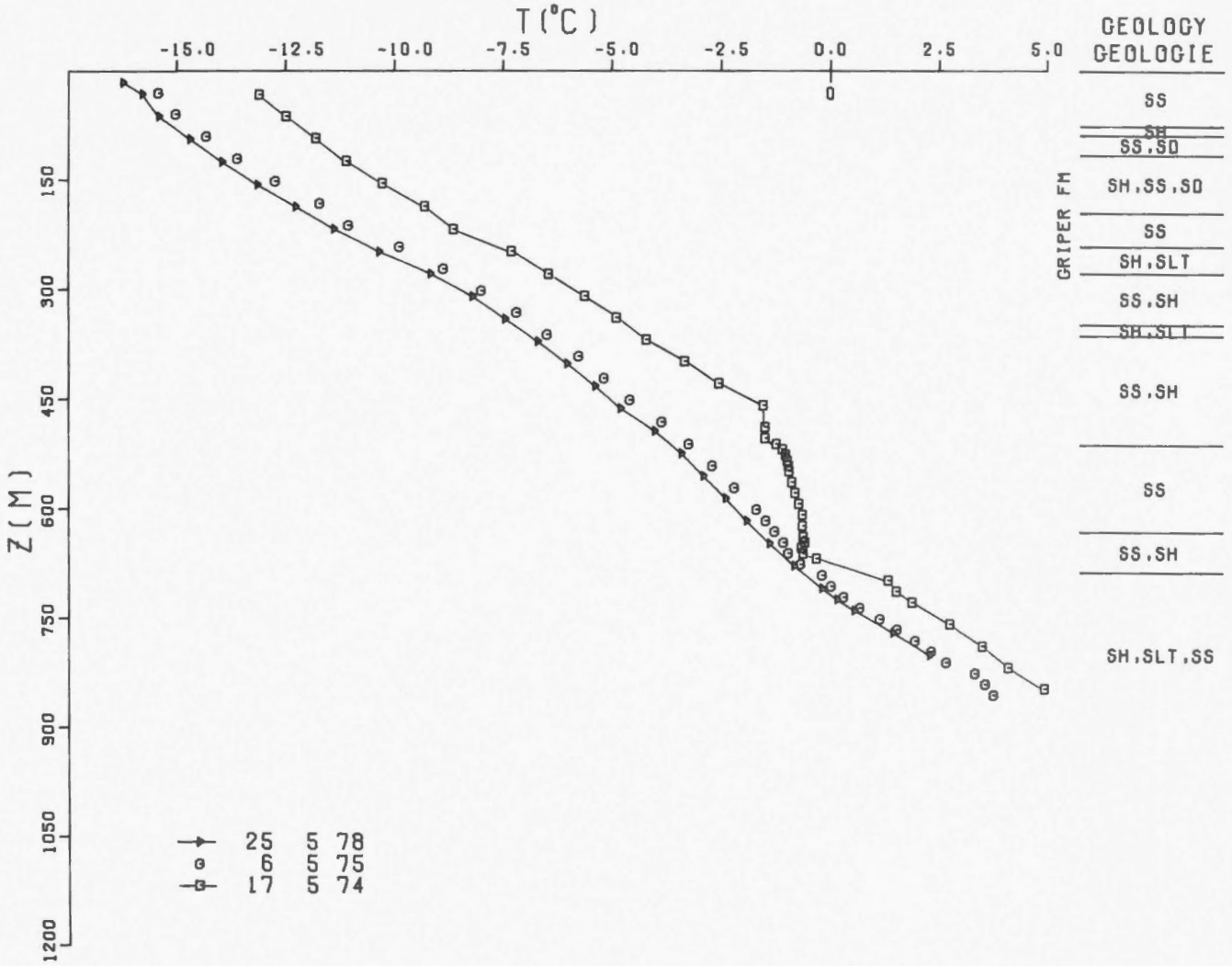
195 LINCKENS ISLAND P-46

77° 45.8' N 97° 45.4' W/0



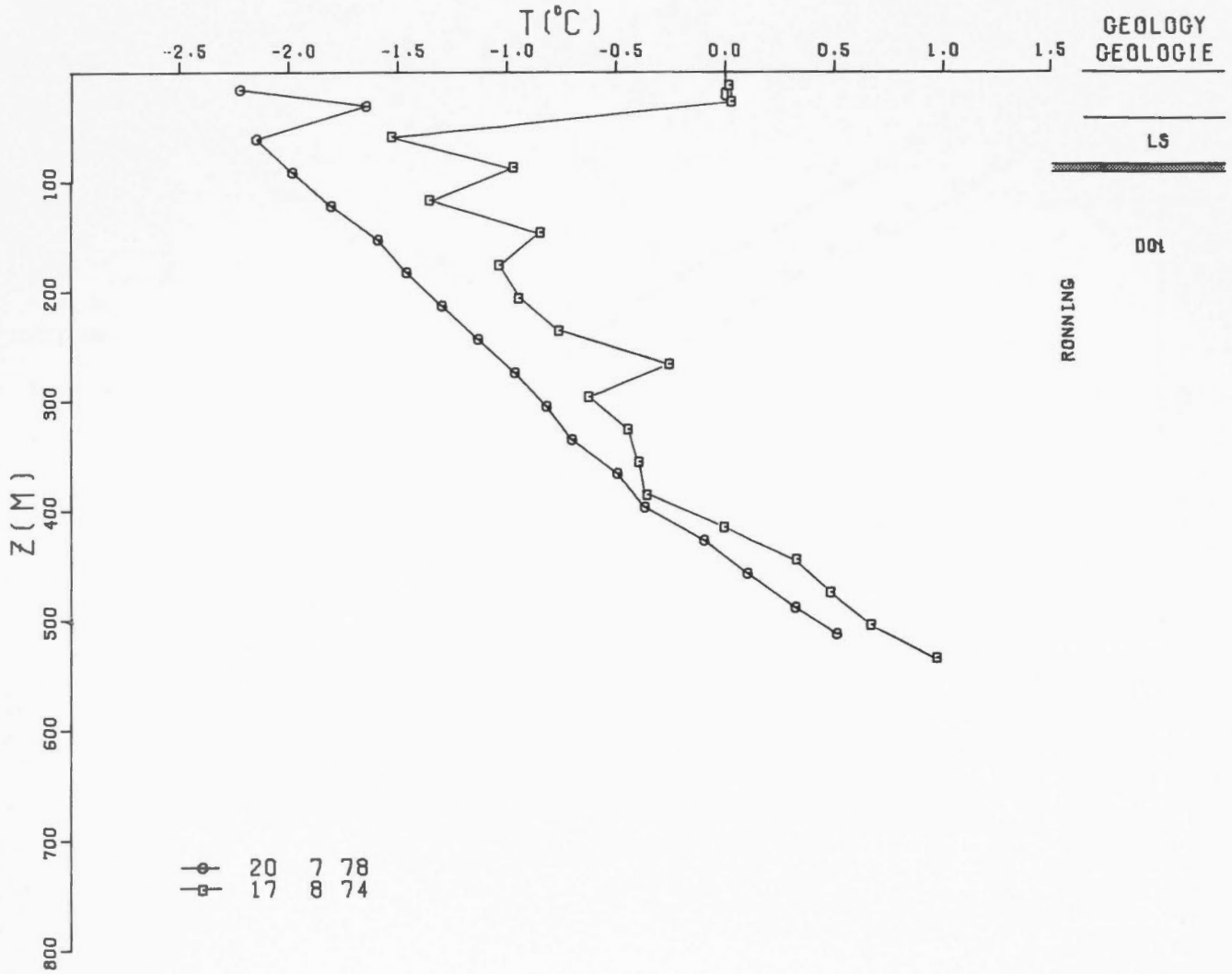
196 BENT HORN N-72

76° 21.8' 103° 58.2'



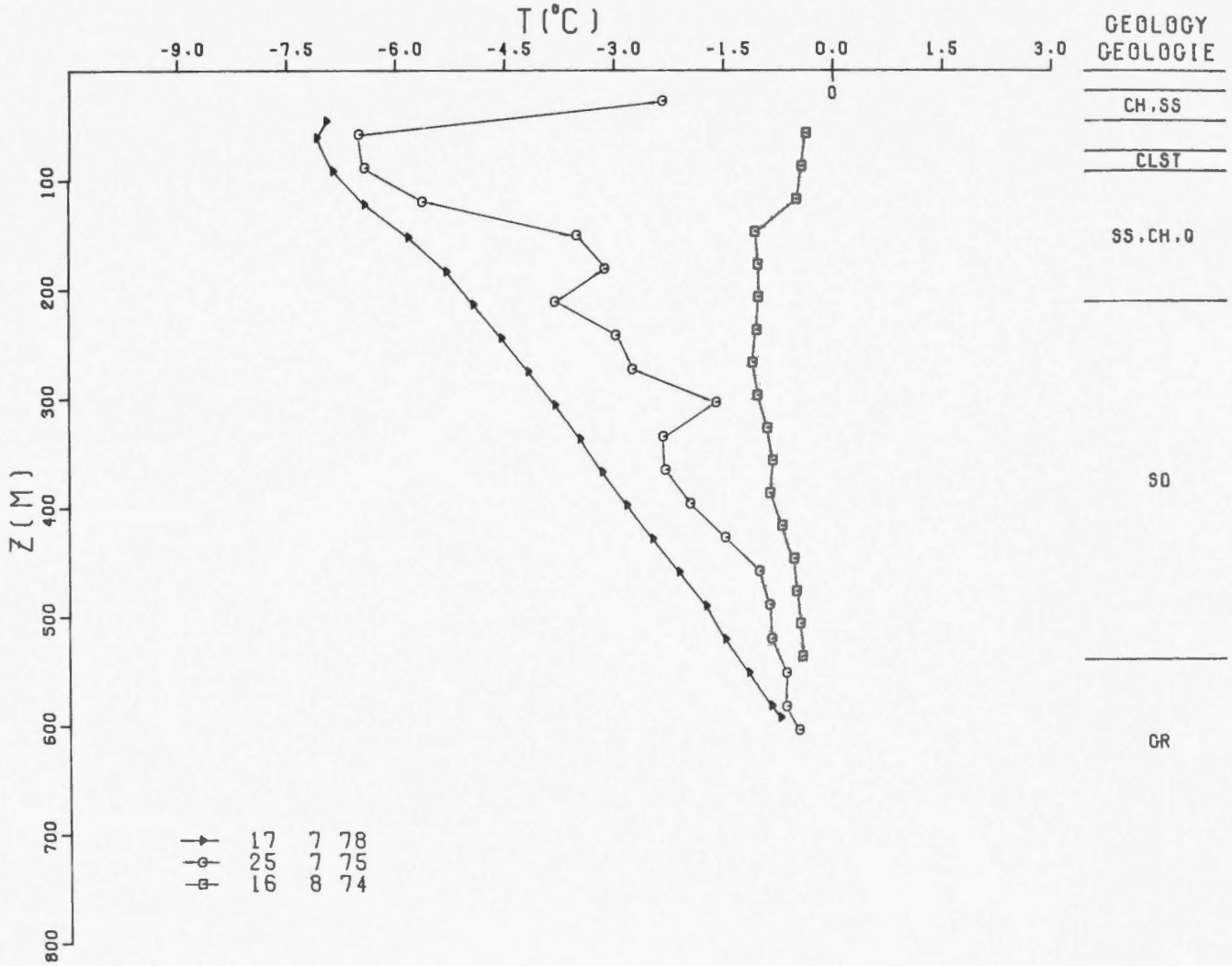
253 TEDJI LAKE K-24

67° 43.6' N 126° 49.9' W/O



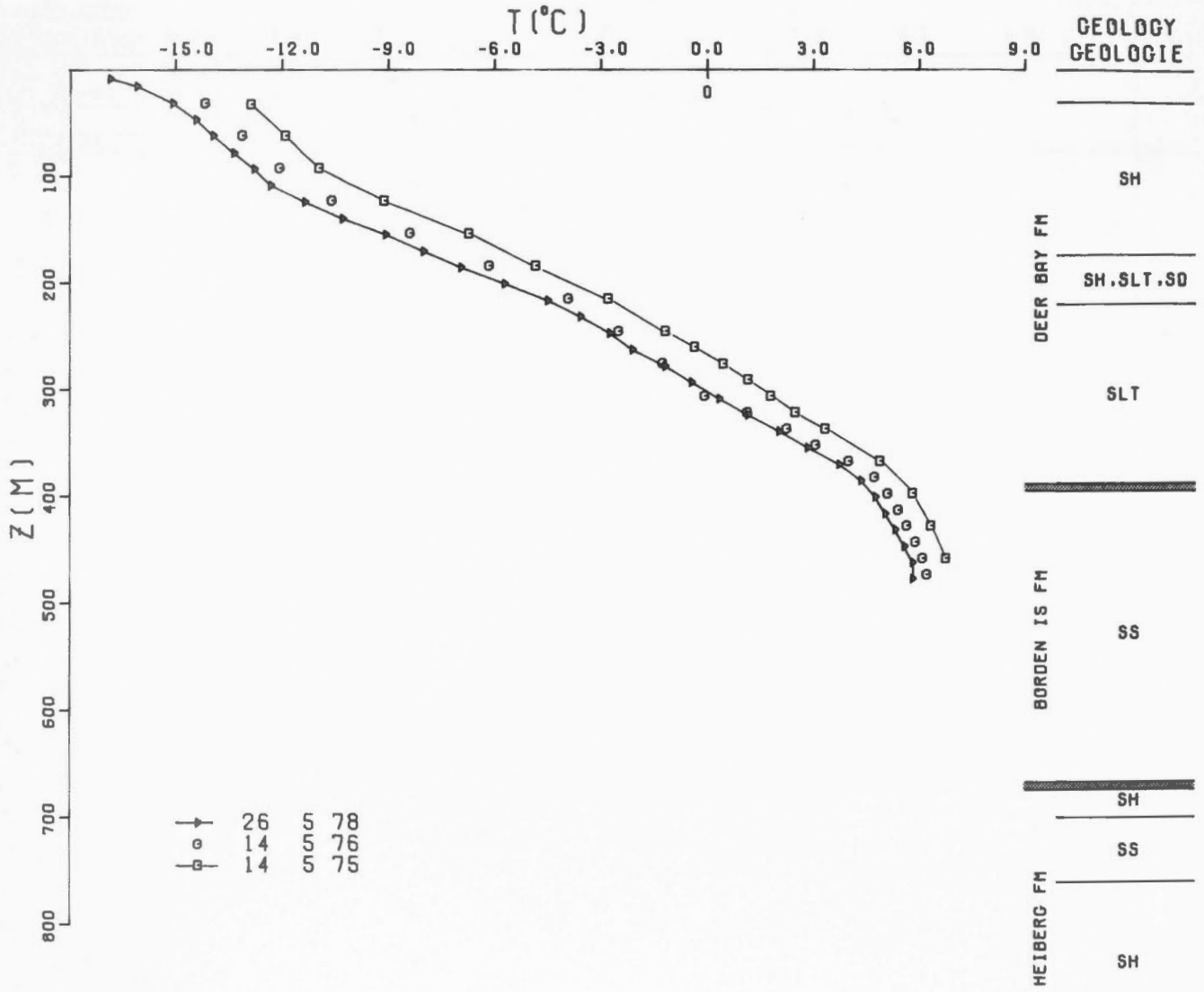
254 YA YA A-28

69° 17.2' N 134° 35.5' W/O



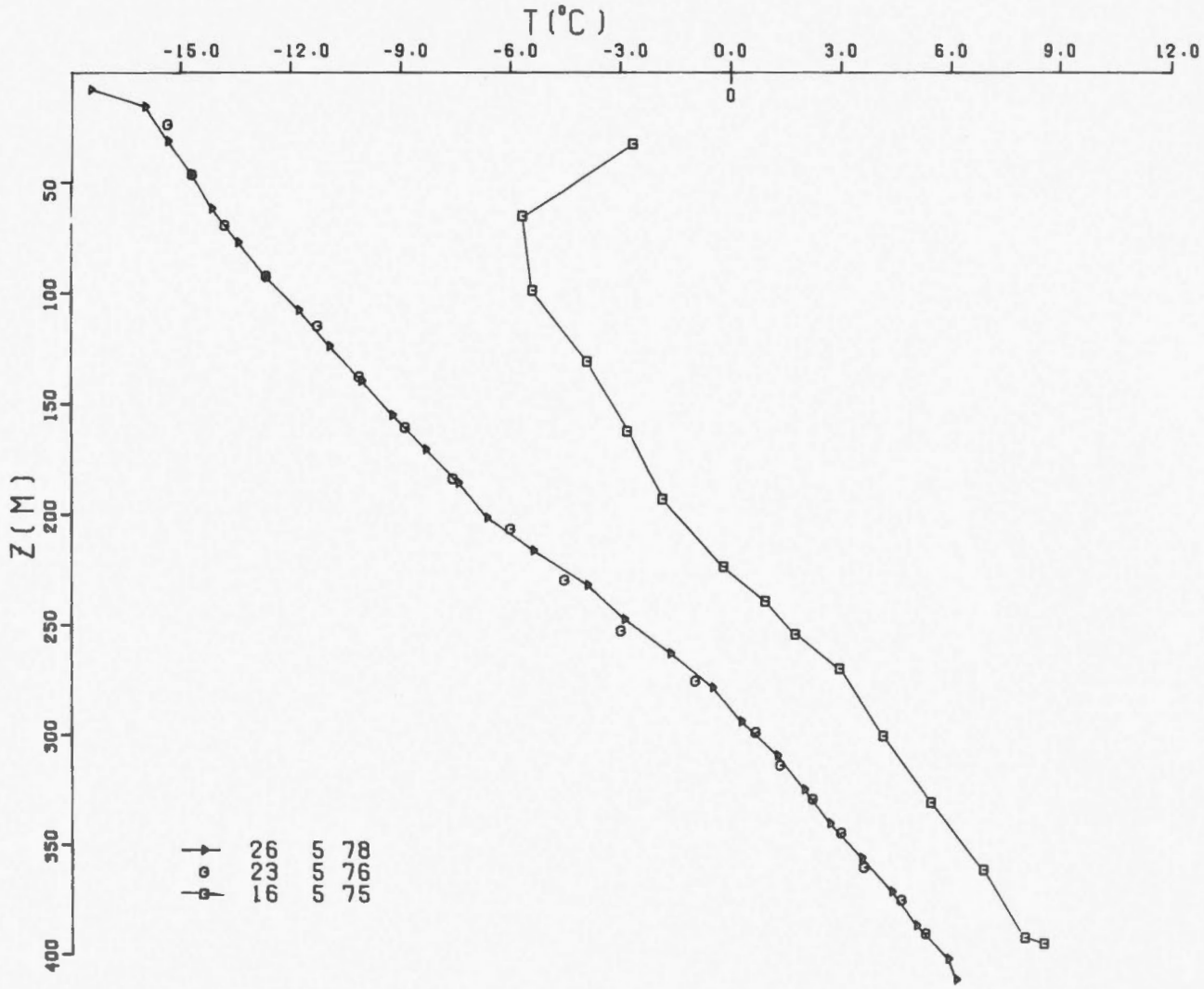
256 SUTHERLAND O-23

77° 42.9' 102° 8.5'



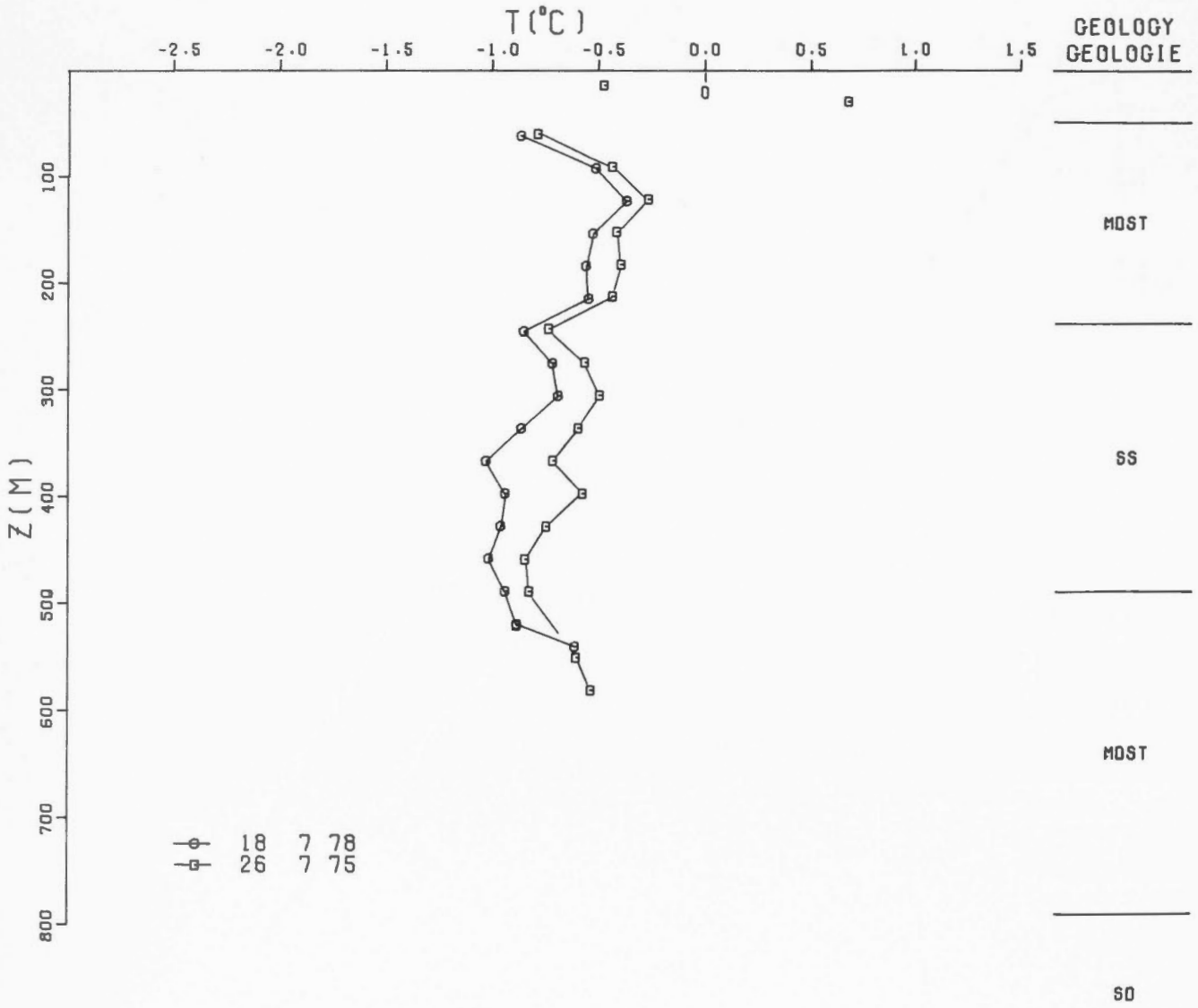
259 DRAKE D-73

76° 22.1' 108° 29.5'



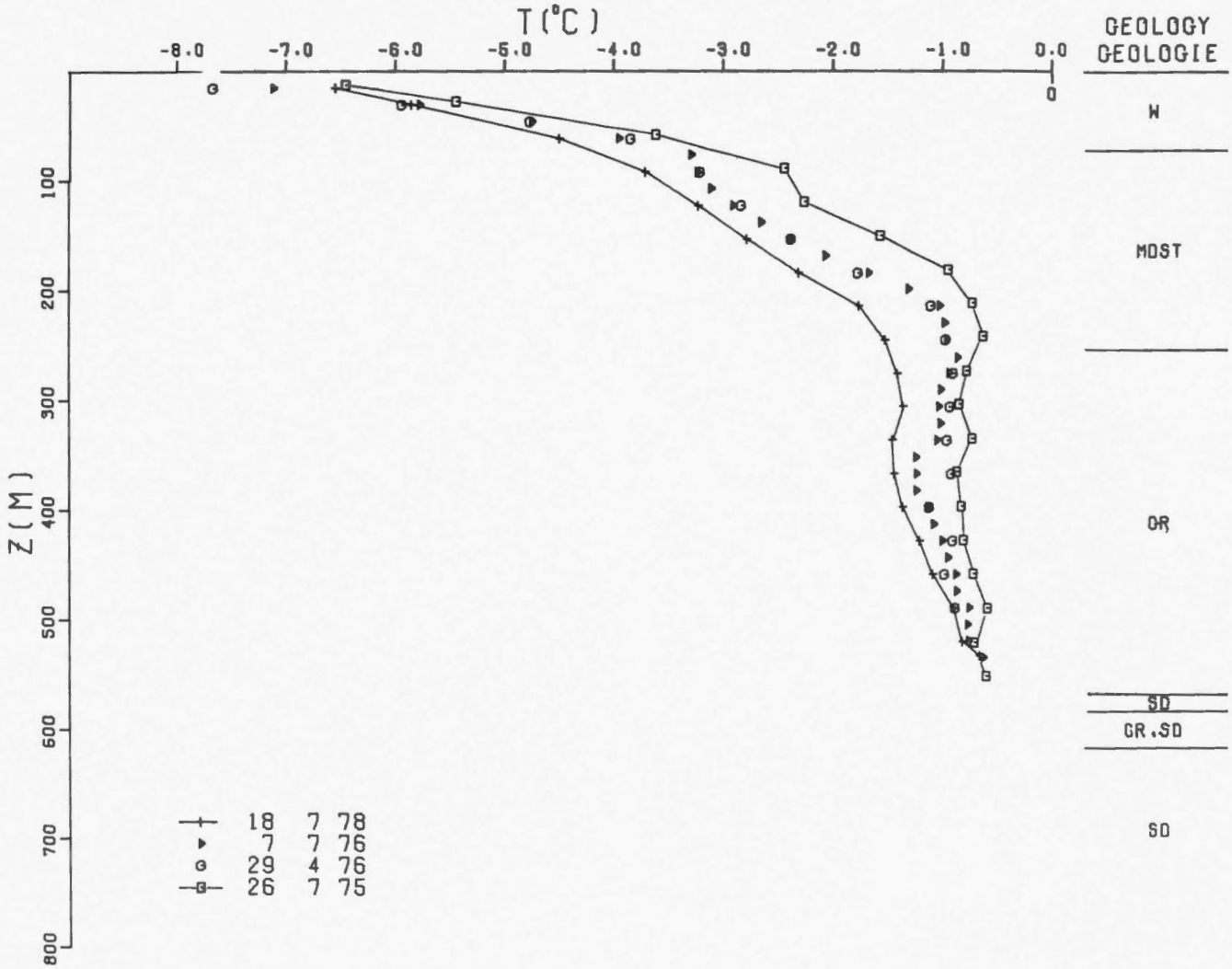
267 TAGLU C-42

69° 21.0' N 134° 56.6' W/O



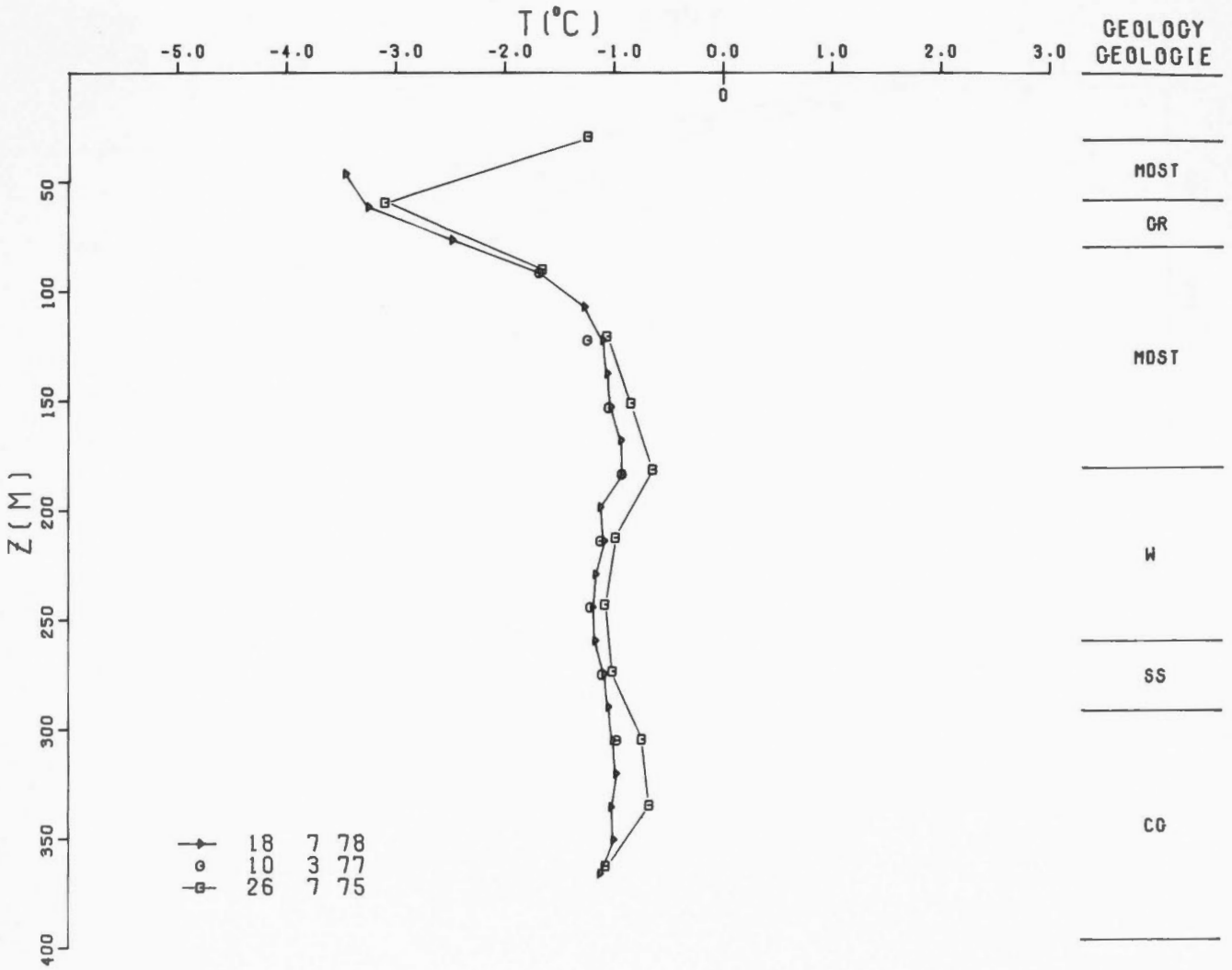
268 TAGLU D-43

69° 22.3' N 134° 56.8' W/O



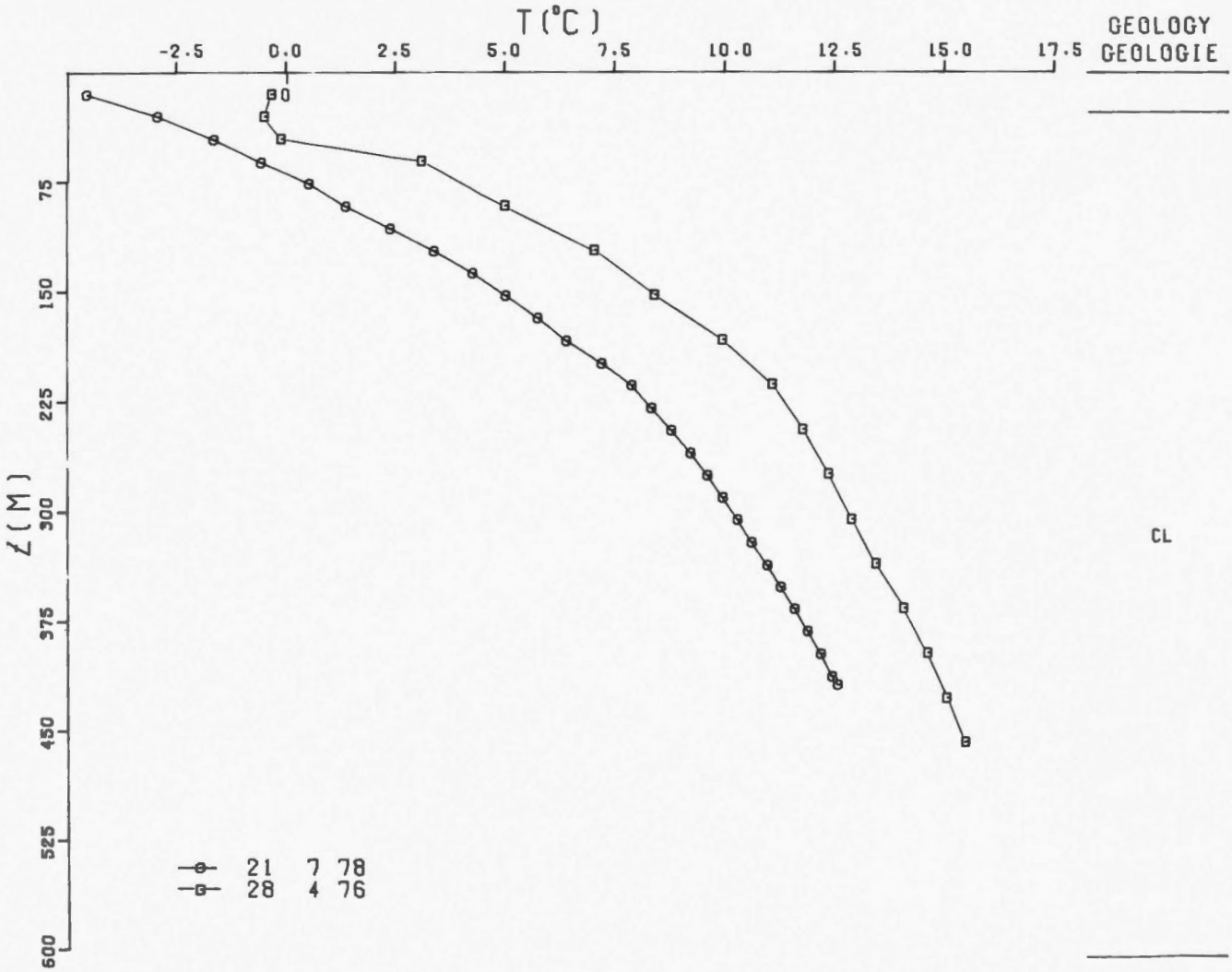
269 TAGLU D-55

69° 24.2' N 134° 59.6' W/O



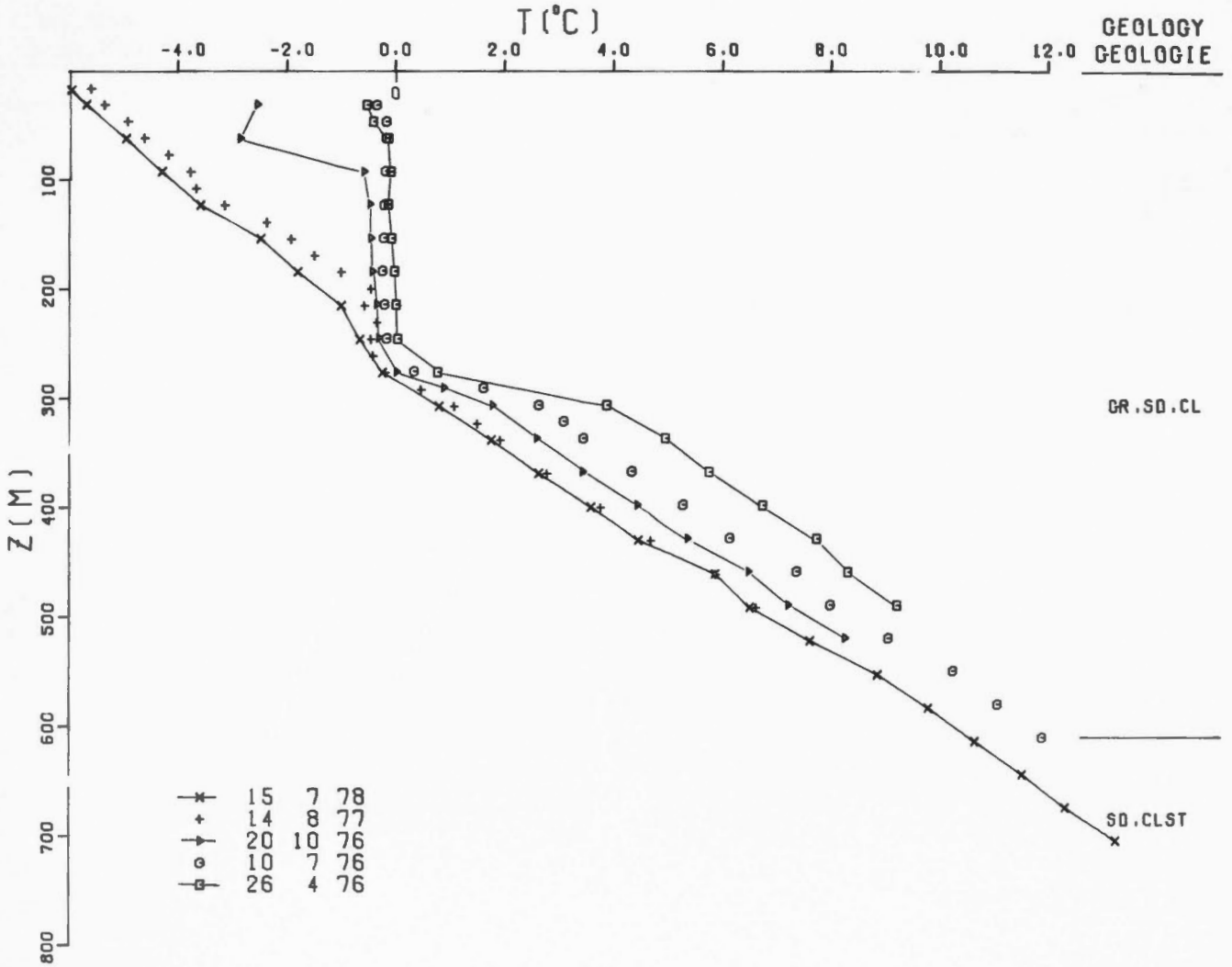
271 NORTH ELLICE J-23

69° 12.6' N 135° 51.2' W/O



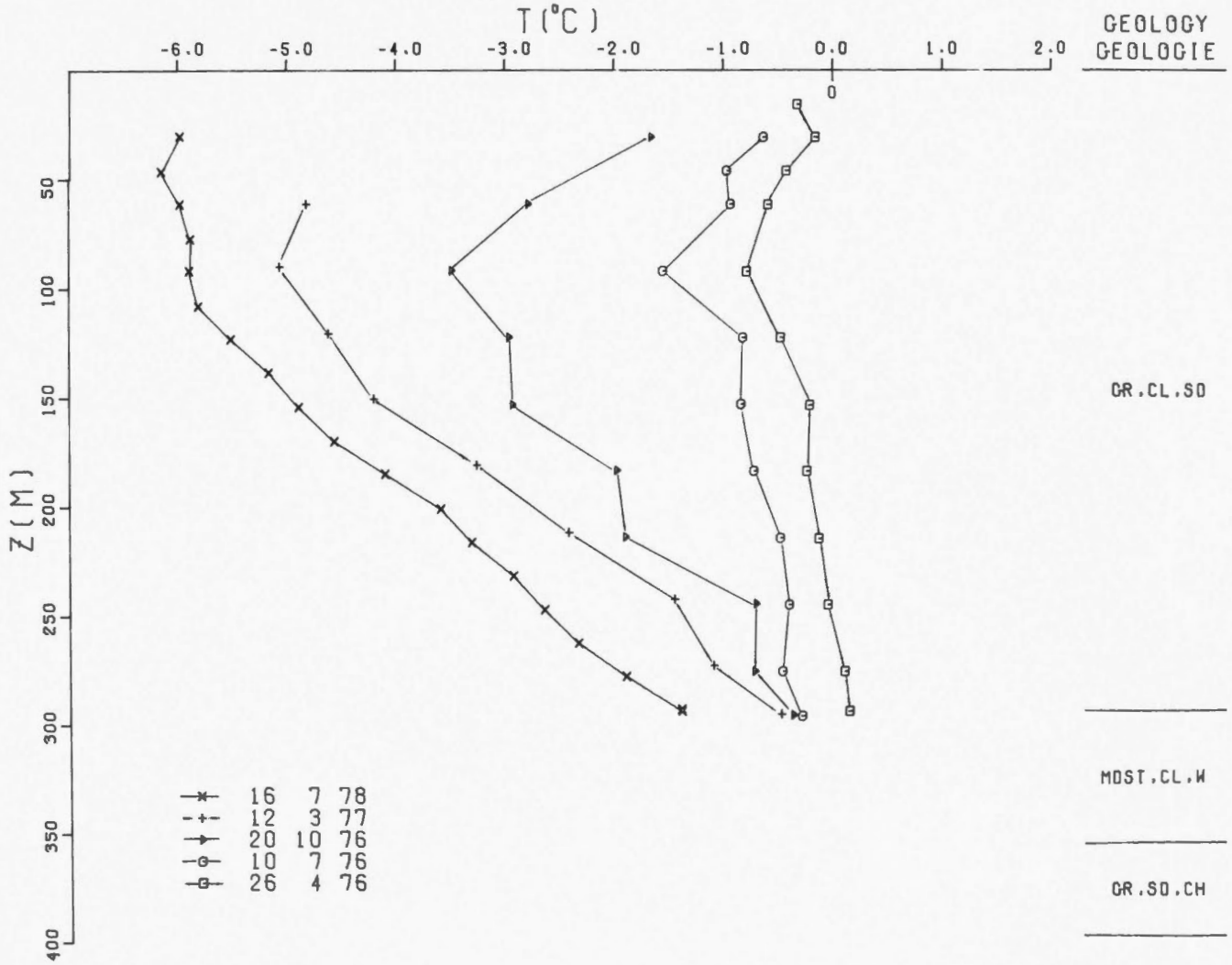
272 PARSONS L-43

68° 52.6' N 133° 41.9' W/O



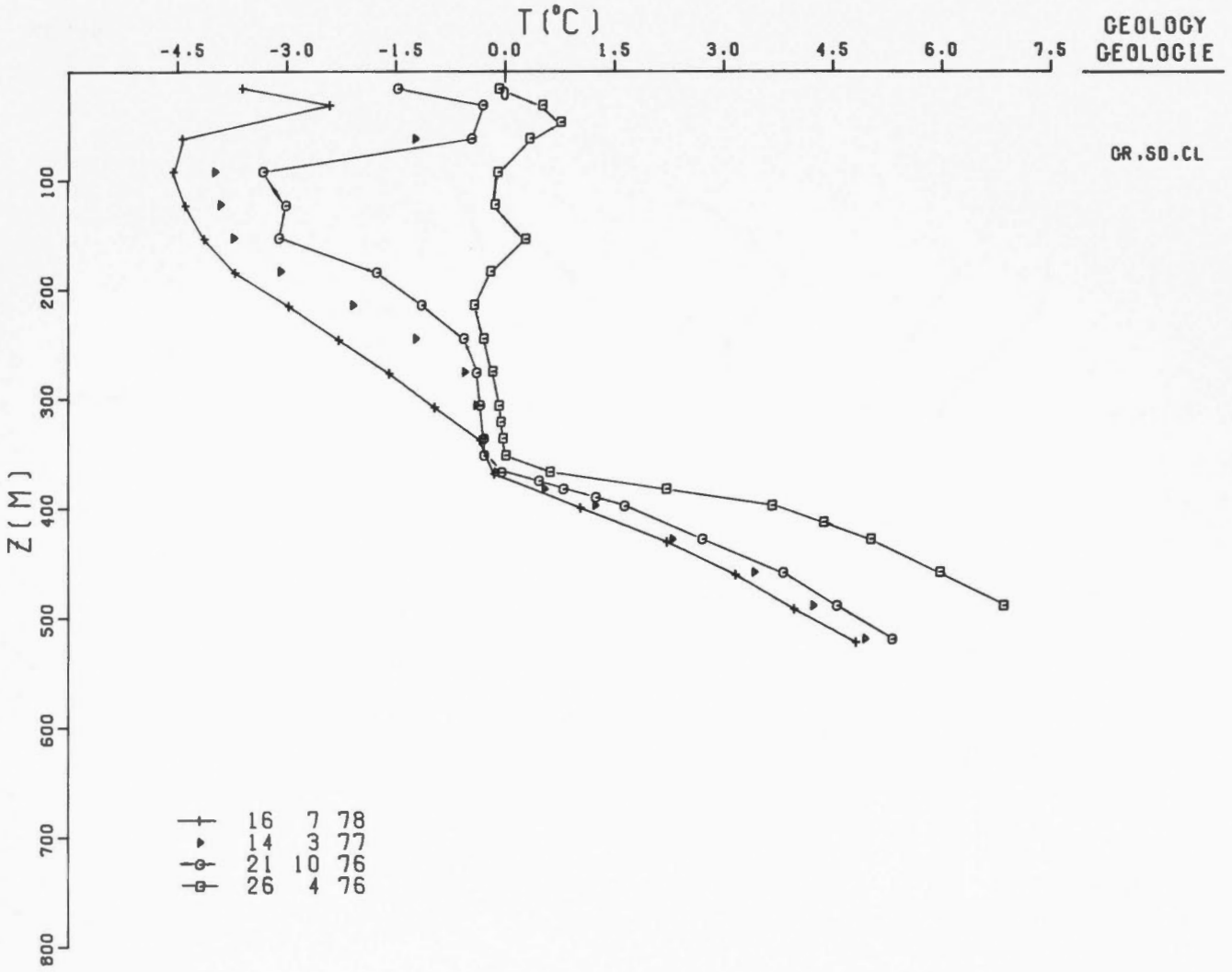
273 KAMIK D-48

68° 57.2' N 133° 27.5' W/O



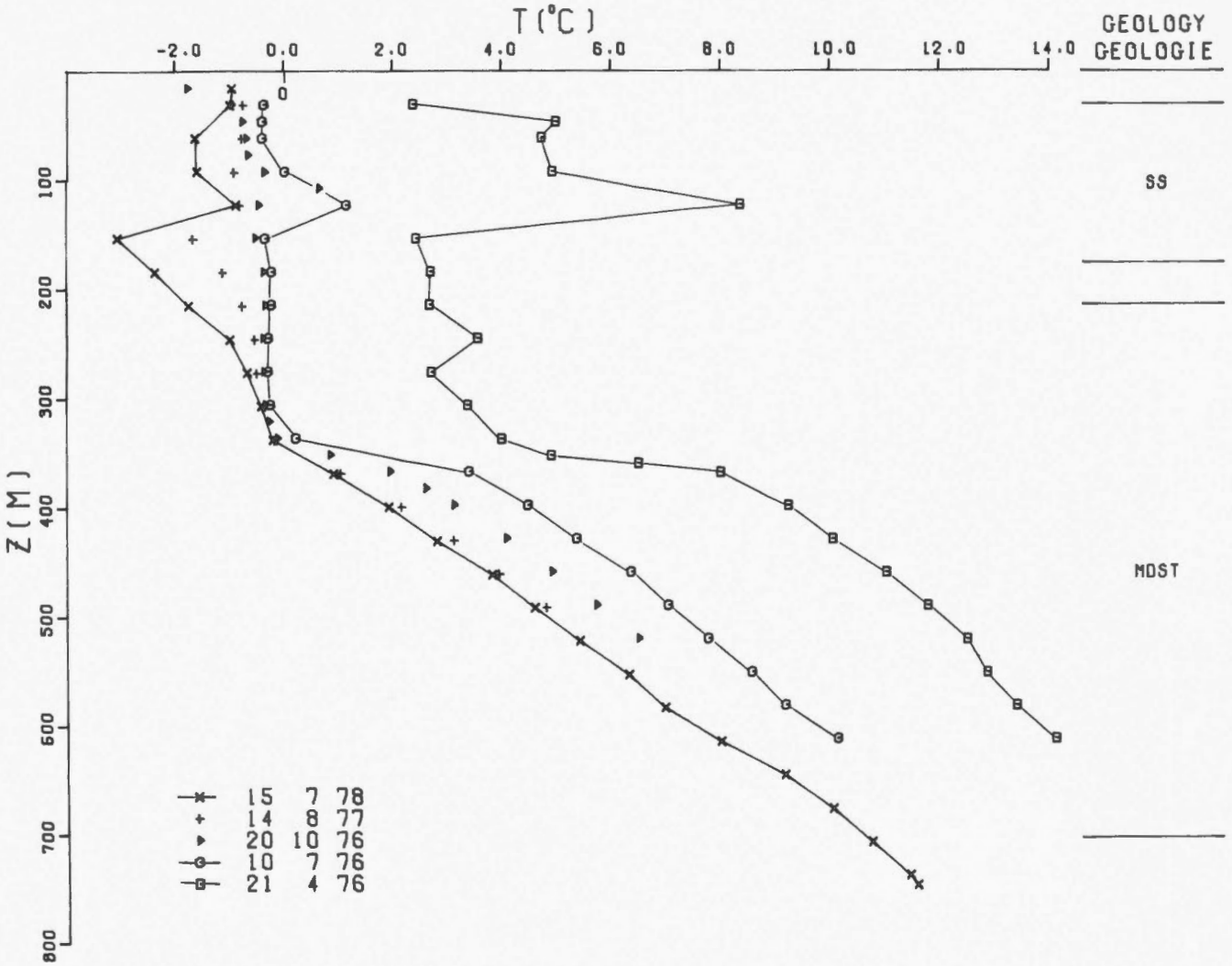
274 SIKU C-11

69° 0.0' N 133° 33.8' W/O



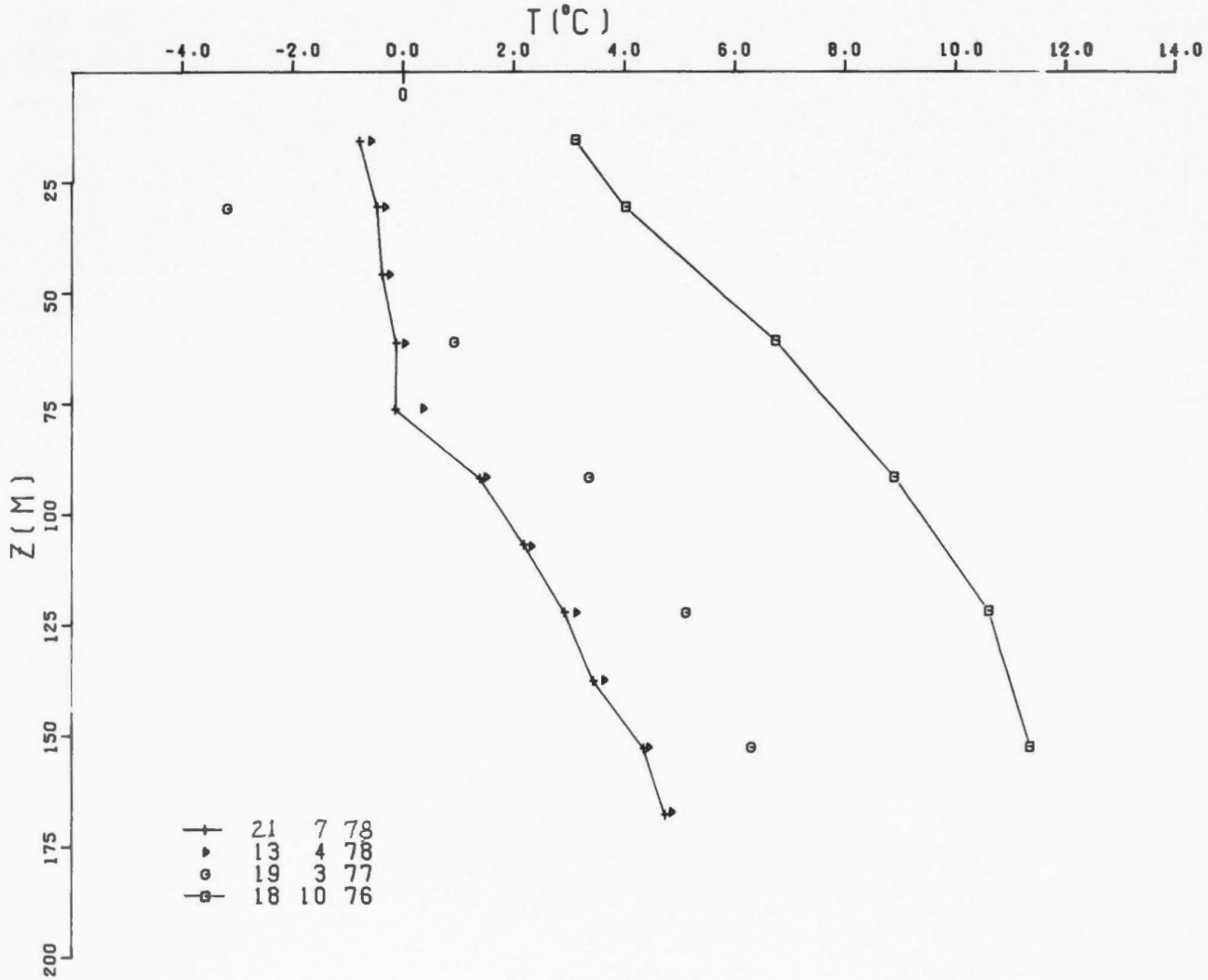
275 PARSONS N-17

68° 56.9' N 133° 34.0' W/O



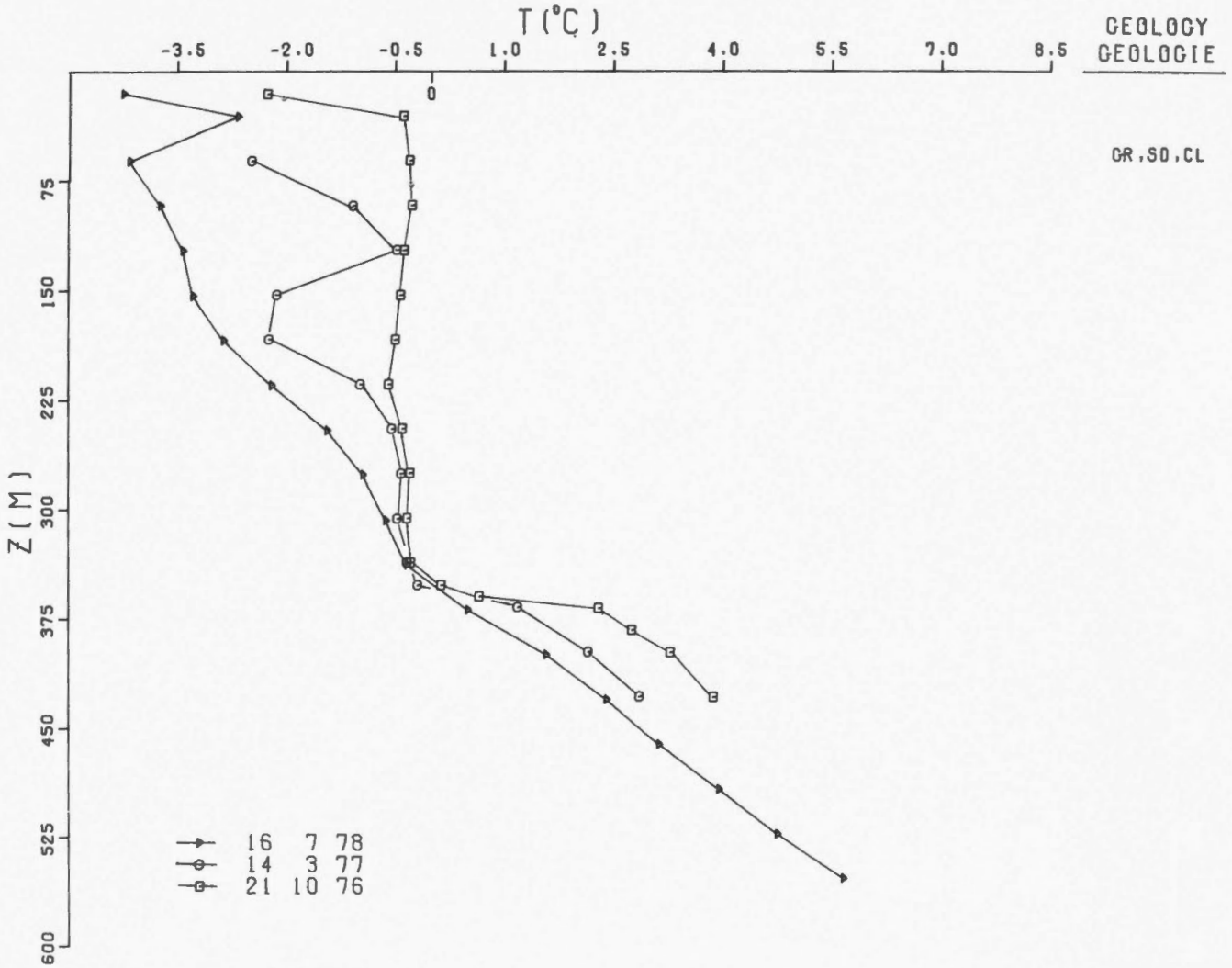
276 ULU A-35

68° 44.0' N 135° 52.9' W/0



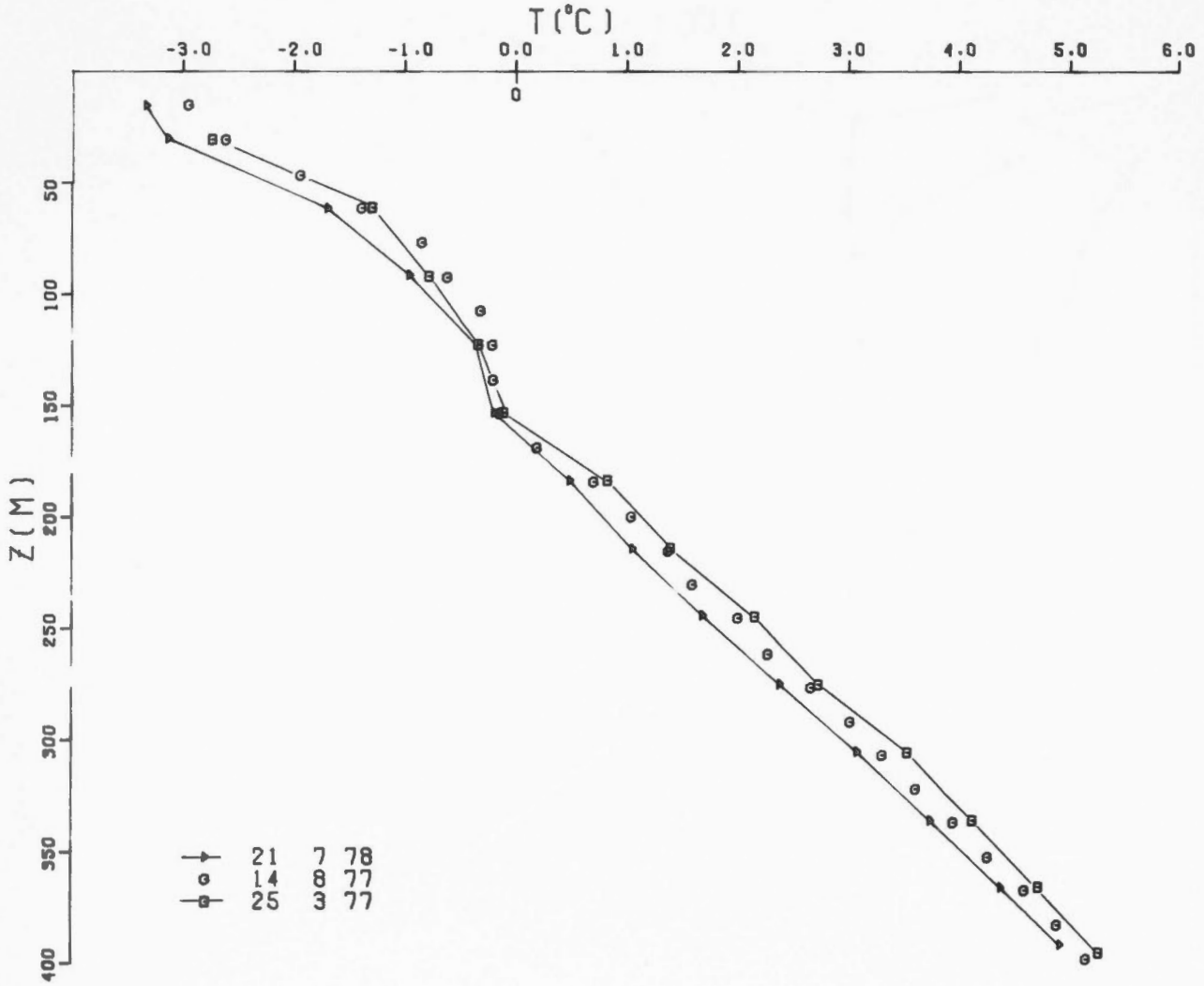
277 SIKU A-12

69° 1.0' N 133° 32.5' W/O



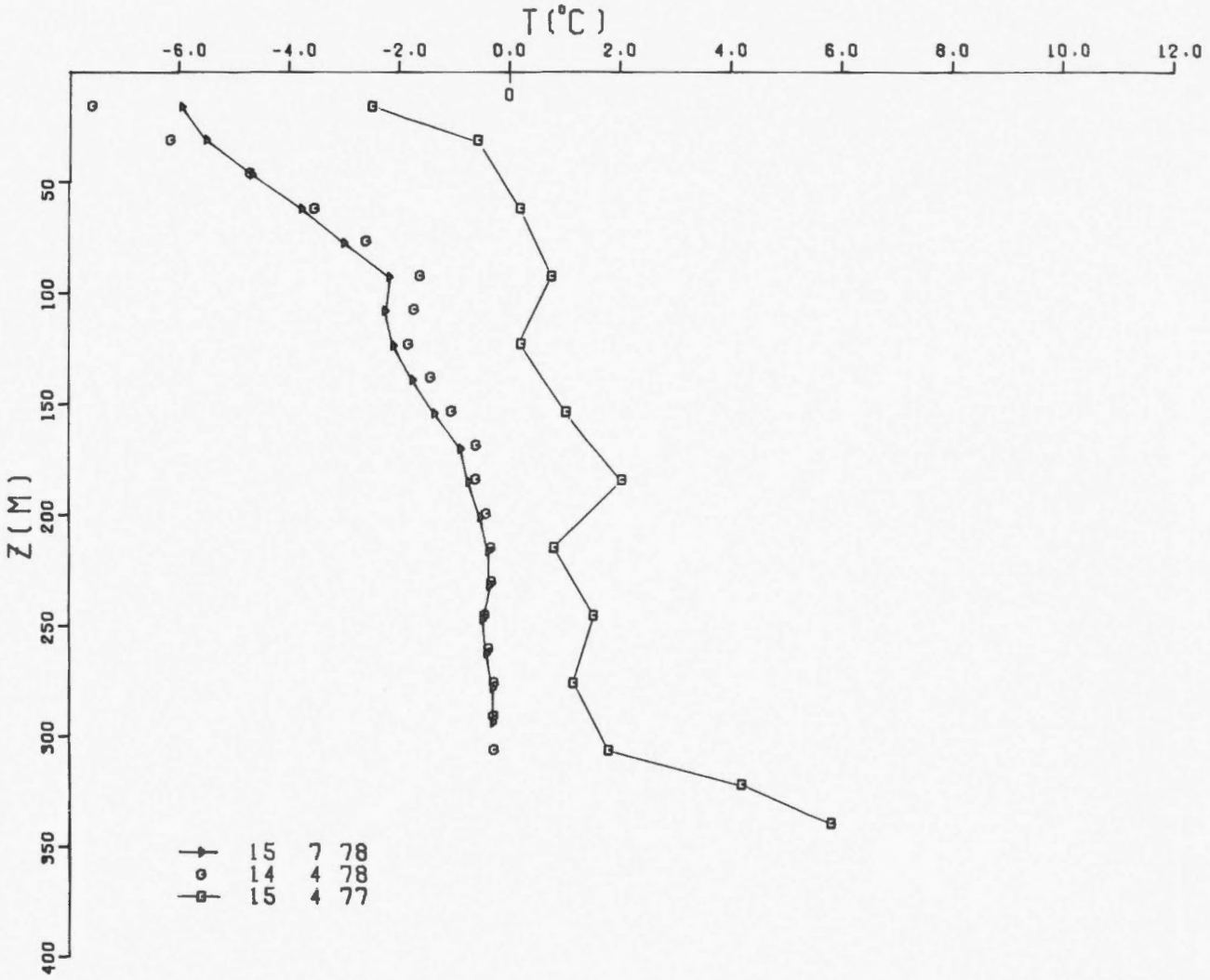
278 NIGLINTGAK B-19

69° 18.2' N 135° 18.3' W/O



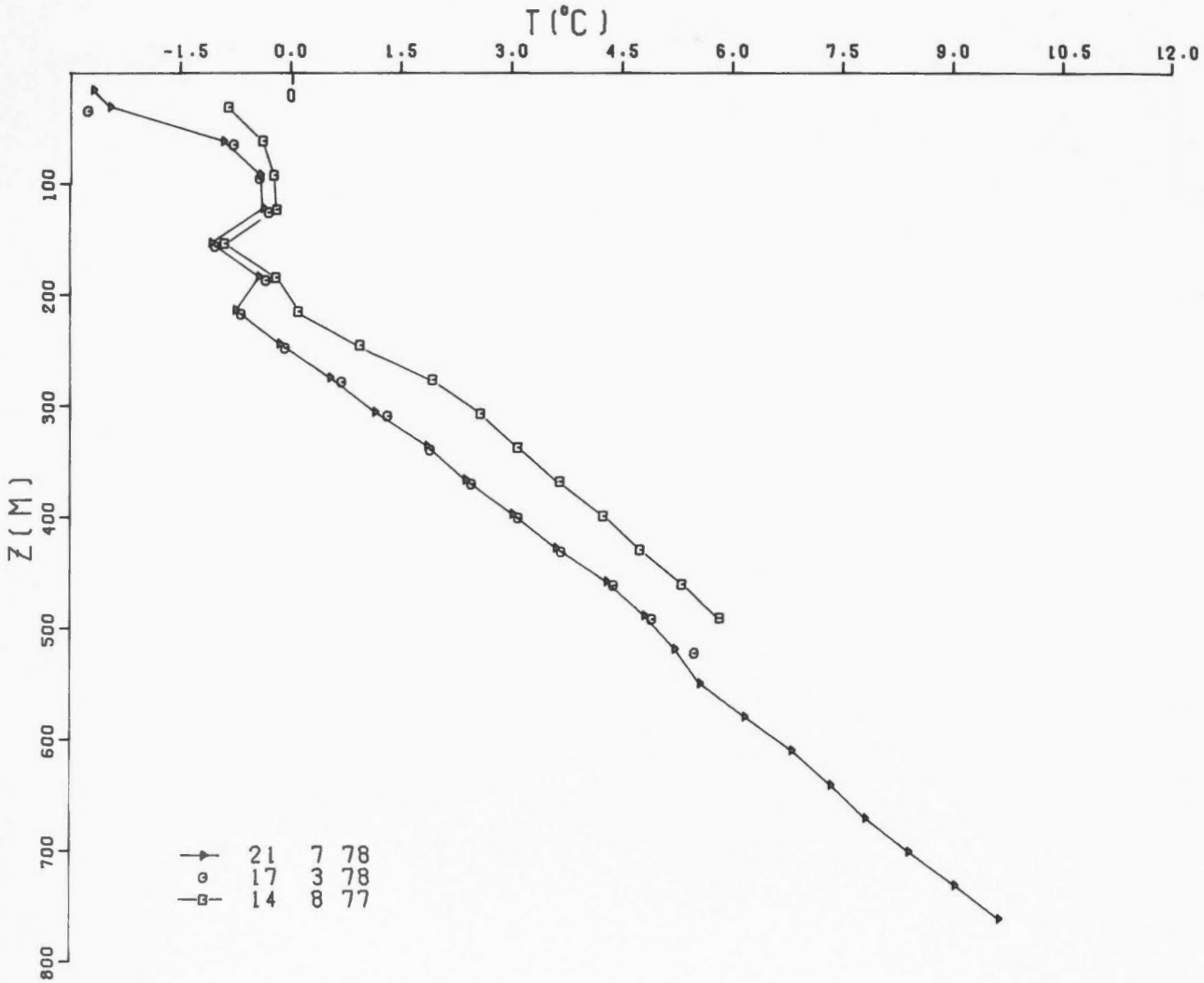
279 PARSONS L-37

68° 56.7' N 133° 39.9' W/O



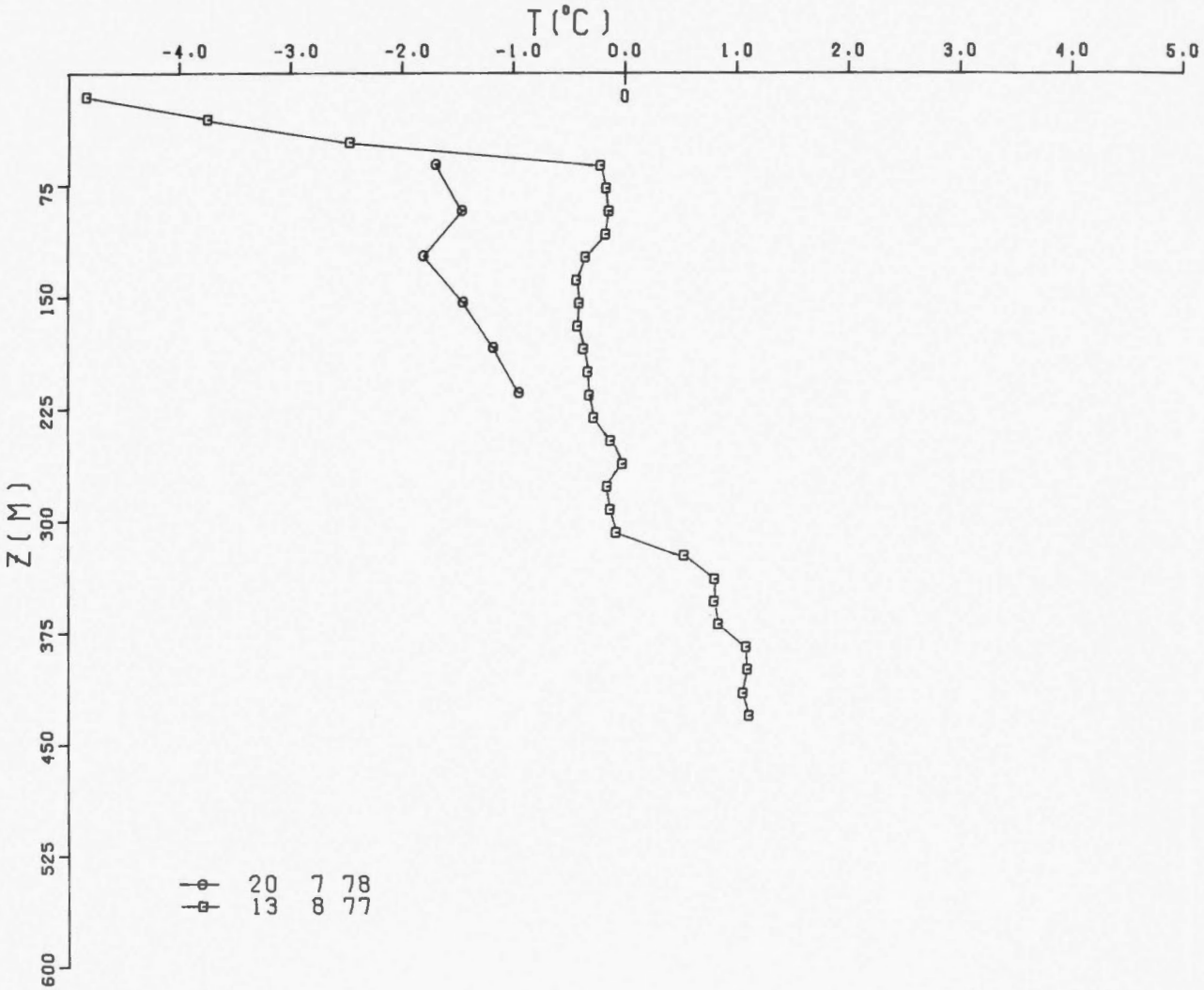
280 KUMAK E-58

69° 17.5' N 135° 14.9' W/0



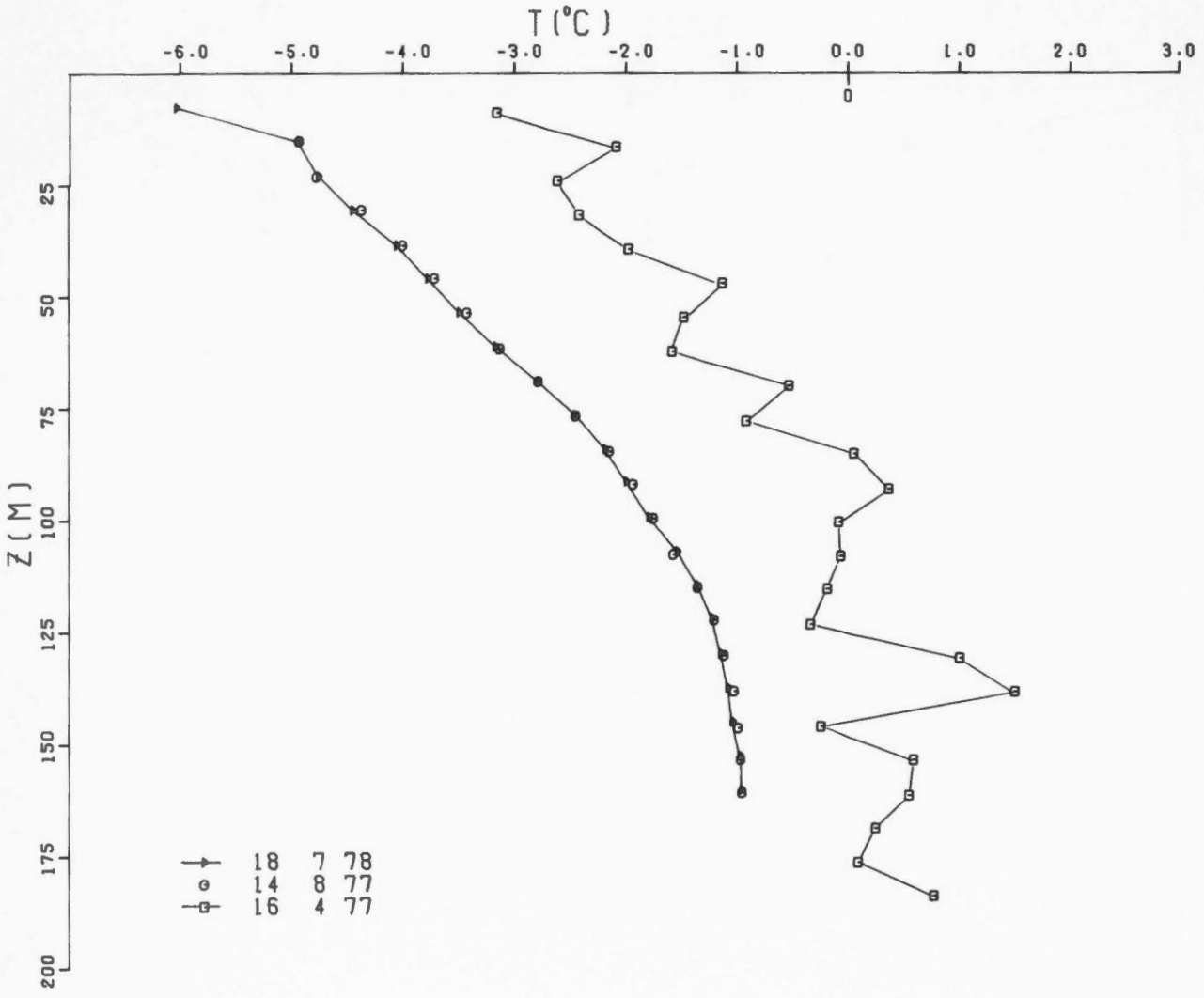
281 SADENE D-02

68° 51.0' N 126° 47.3' W/0



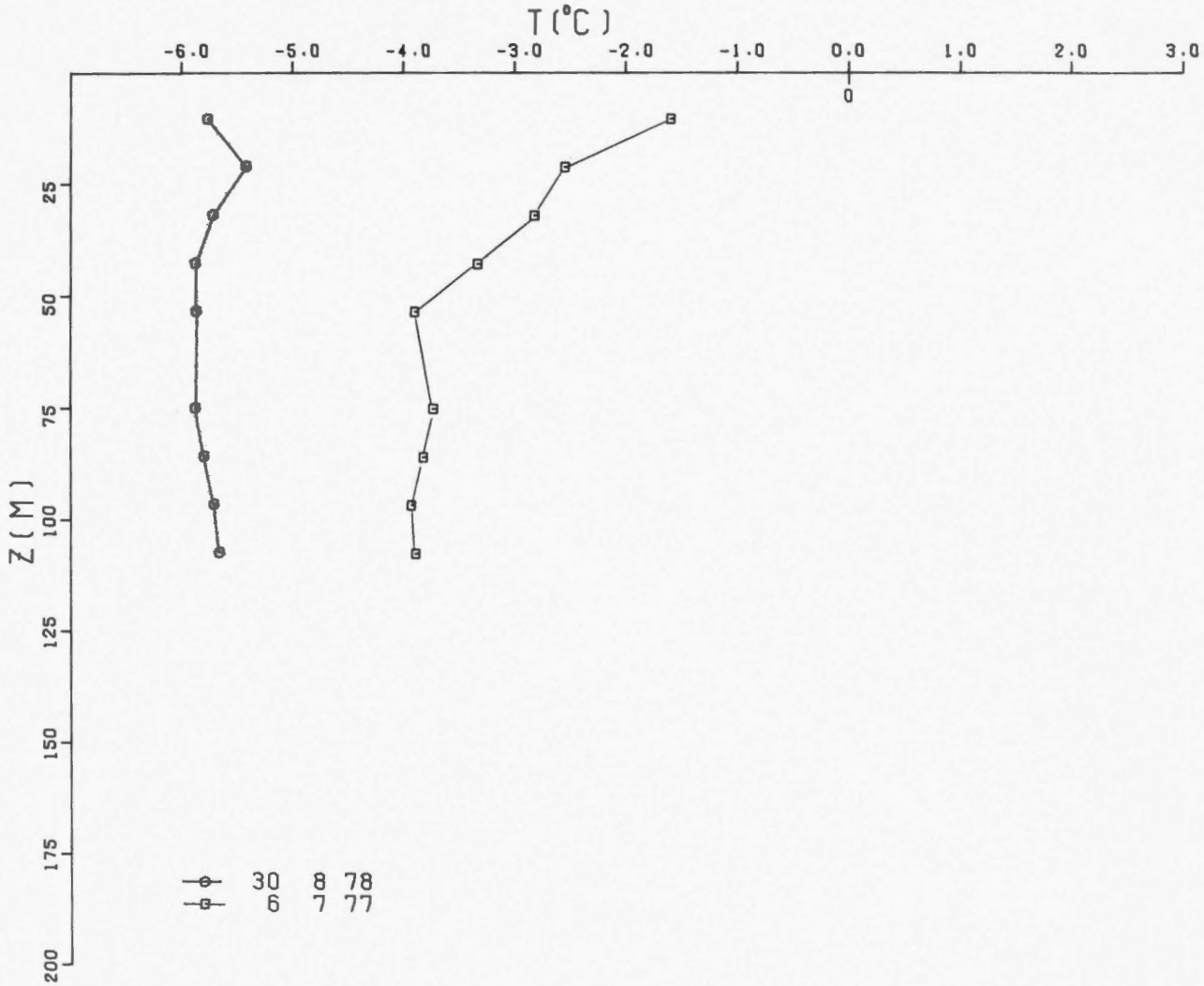
282 TAGLU N-43

69° 22.8' N 134° 56.3' W/O



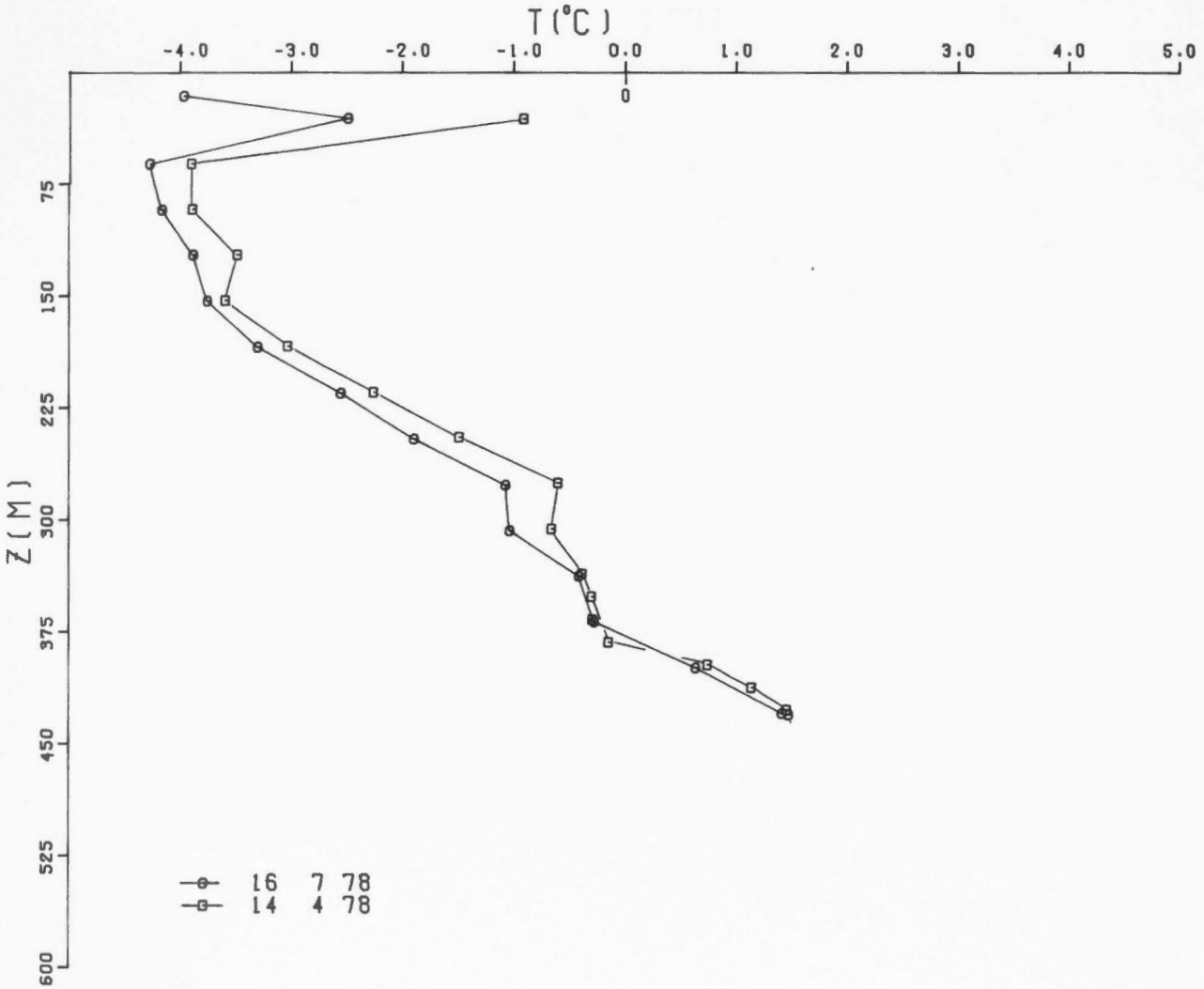
283 KENTY LAKE - 1

61° 29.2' N 74° 26.4' W



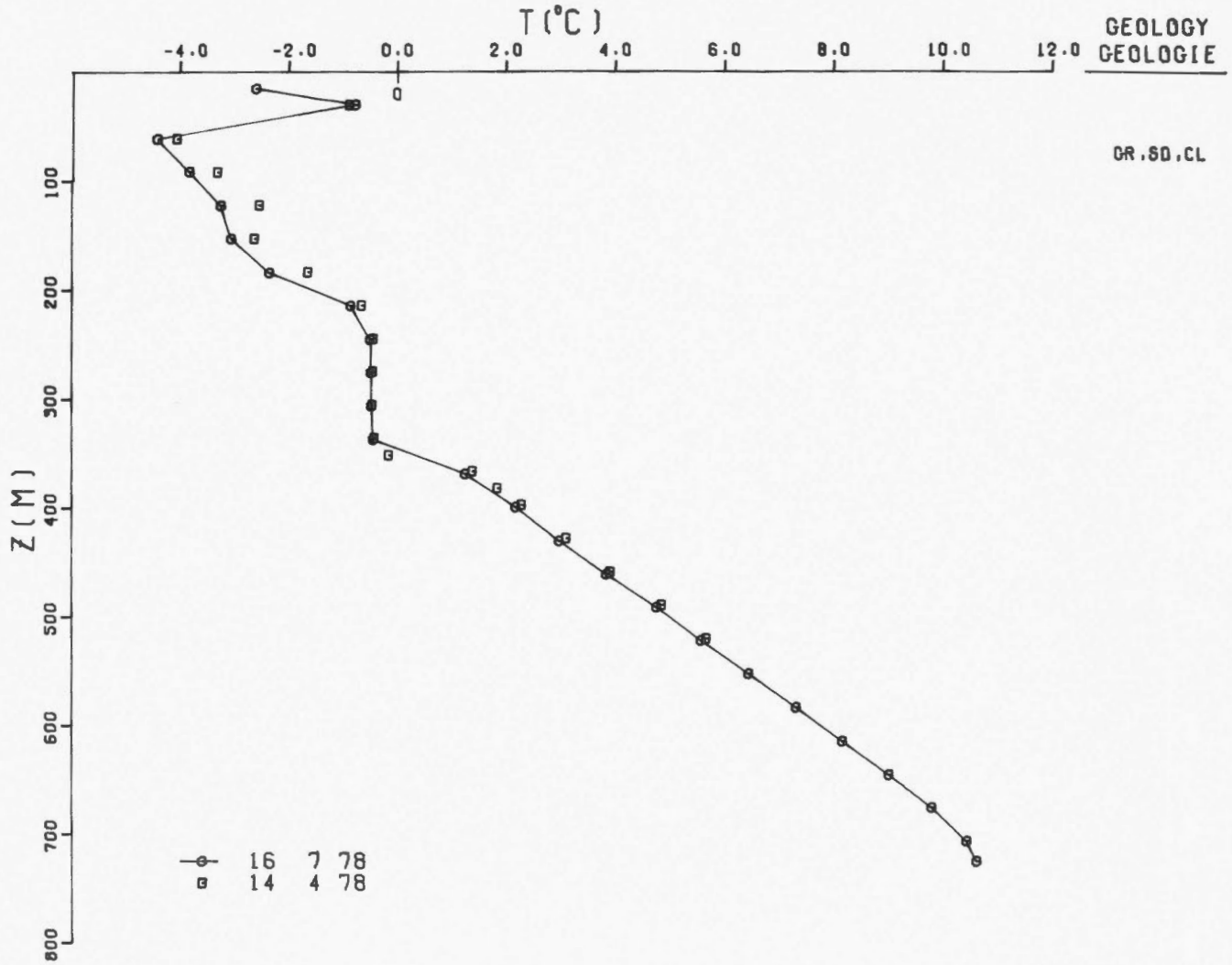
284 SIKU E-21

69° .5' N 133° 36.9' W/0



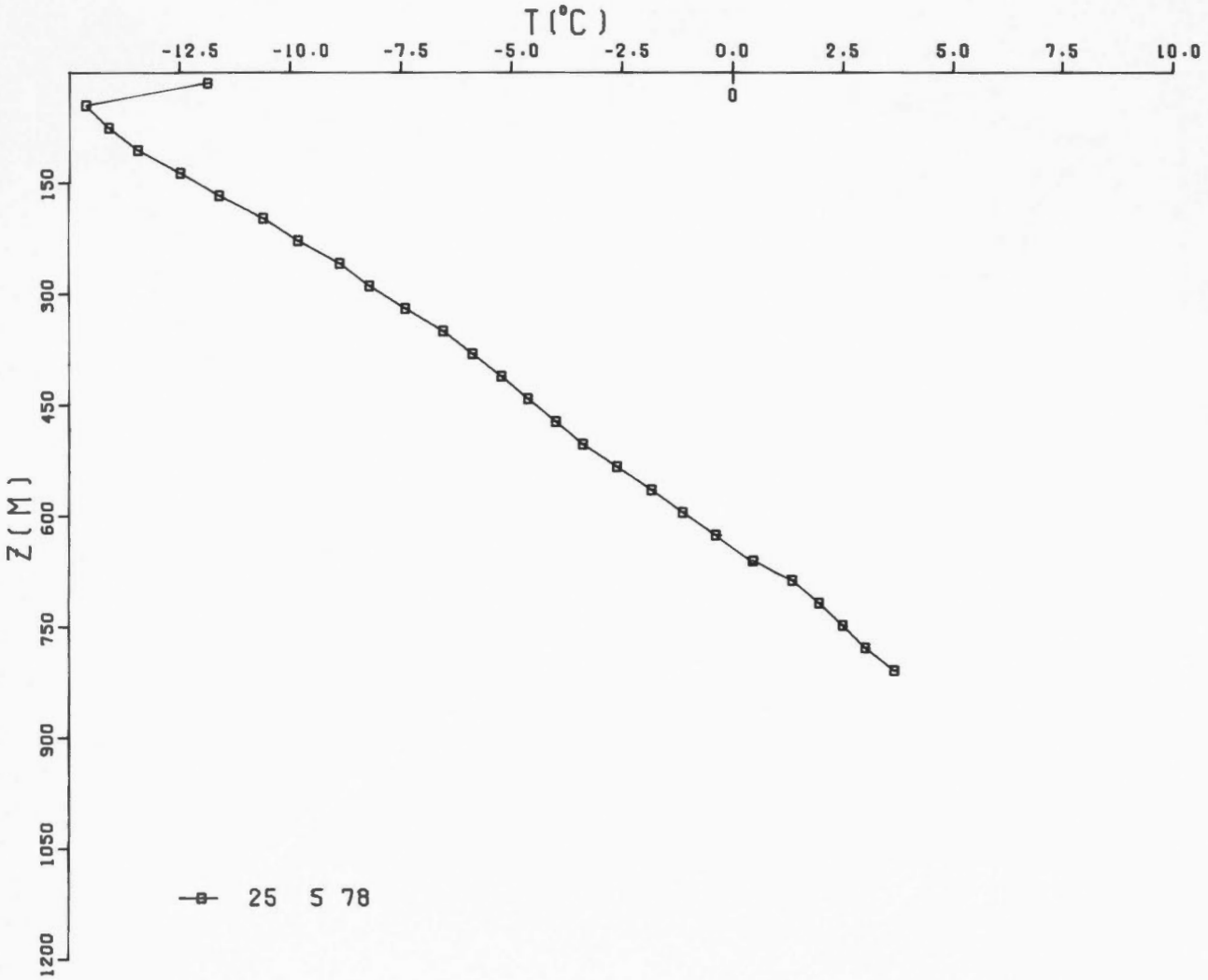
285 PARSONS D-20

68° 59.2' N 133° 34.4' W/O



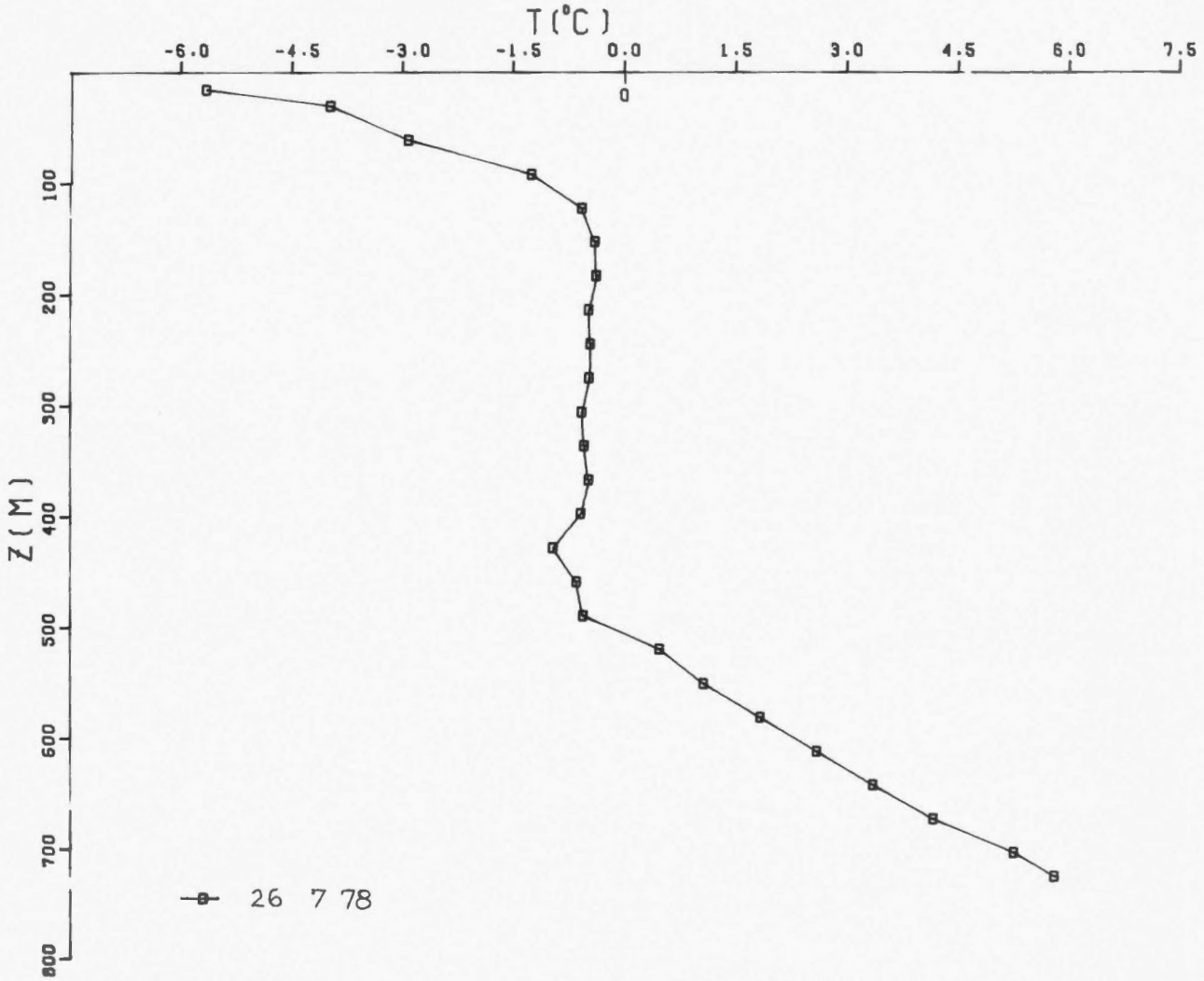
286 BENT HORN N-72A

76° 21.5' 103° 58.2'



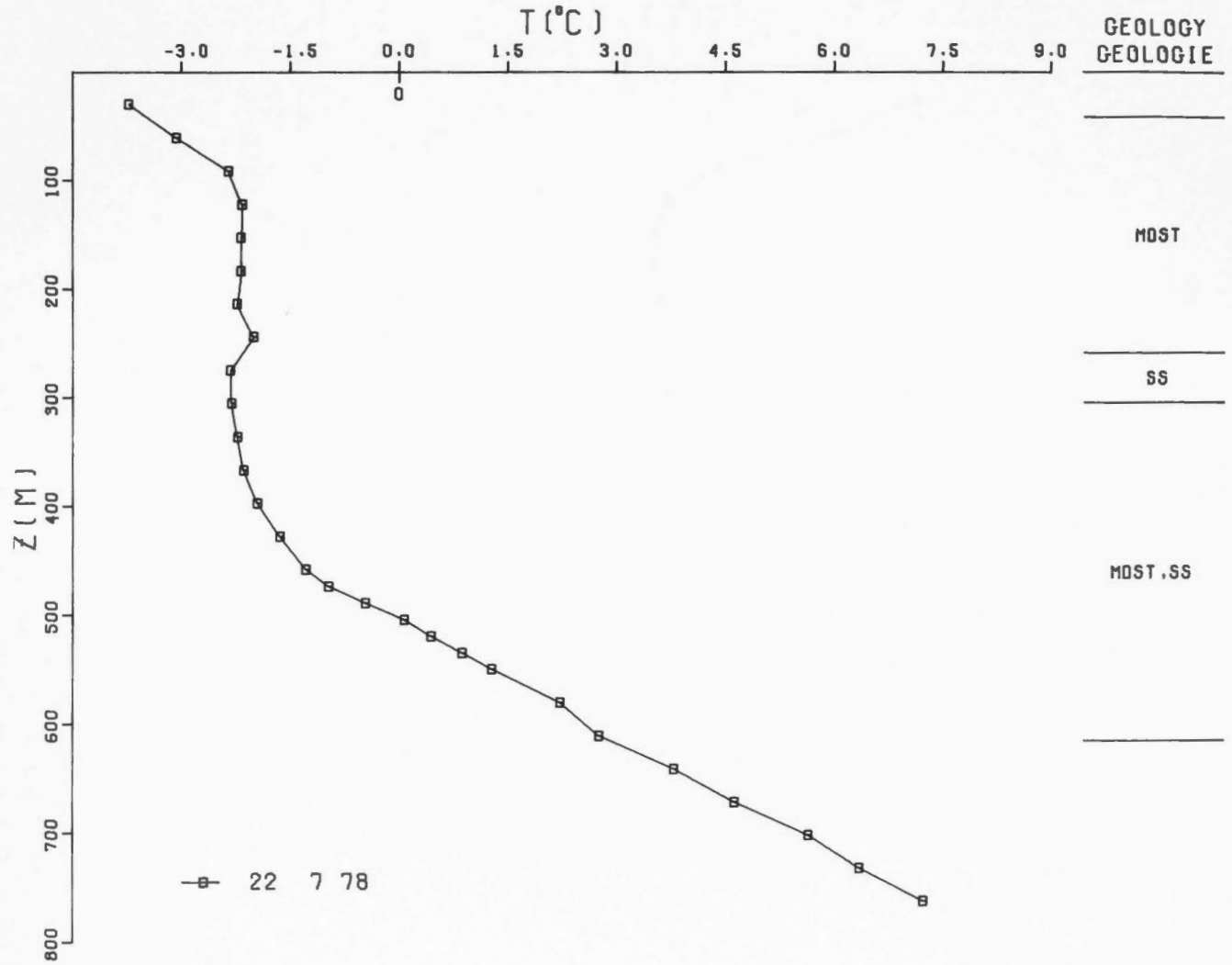
287 TAGLU H-54

69° 23.3' N 134° 58.1' W/O



288 GARRY P-04

69° 23.8' N 135° 30.3' W/O



3.3 Tables of Equilibrium Temperature

3.3 Tableaux de la température d'équilibre

EARTH PHYSICS BRANCH NO.
63 REINDEER D-27
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 6.1 MINUTES NORTH
134 DEGREES 36.9 MINUTES WEST

69 DEGRES 6.1 MINUTES NORD
134 DEGRES 36.9 MINUTES OUEST

ELEVATION 29 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)
18.3	-7.29	.14	10.49	.57	51.75
48.8	-6.06	.06	8.45	.25	41.67
79.2	-5.56	.07	7.93	.29	39.06
109.7	-4.73	.25	7.55	.98	37.20
140.2	-4.23	.21	6.61	.83	32.52
170.7	-3.93	.04	5.27	.16	25.86
201.2	-3.24	.04	4.26	.15	20.87
231.6	-2.54	.05	3.27	.19	15.99
262.1	-1.84	.13	2.75	.50	13.39
292.6	-1.15	.08	1.77	.32	8.54
323.1	-.65	.05	.76	.18	3.52
353.6	-.35	.01	1.20	.04	5.71
384.0	.31	.01	3.24	.02	15.83
414.5	1.13	.00	3.14	.01	15.31
445.0	1.87	.00	3.04	.01	14.81
475.5	2.66	.00	3.04	.02	14.84
506.0	3.38	.00	2.97	.01	14.48
536.4	4.12	.00	2.94	.01	14.32
566.9	4.88	.00	2.92	.01	14.25
597.4	5.87	.00	2.72	.01	13.25

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

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

9 7 66
2 7 67
2 7 68
14 7 69
29 7 70
12 8 71
19 7 72
15 8 74
24 7 75
17 7 78

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. 77 HORTON RIVER

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 51.4 MINUTES NORTH
127 DEGREES 15.9 MINUTES WEST

69 DEGRES 51.4 MINUTES NORD
127 DEGRES 15.9 MINUTES OUEST

ELEVATION 34 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	-7.75	.08	7.63	.70	13.50
50	-6.70	.08	6.56	.68	11.60
75	-5.17	.11	5.79	.90	10.22
100	-3.31	.10	3.90	.87	6.86
125	-1.30	.14	4.44	1.19	7.82
150	.75	.23	5.74	1.96	10.13
175	2.90	.15	5.58	1.28	9.85
200	4.91	.14	4.81	1.19	8.48
225	6.58	.13	3.80	1.07	6.68
250	7.96	.13	3.91	1.13	6.87
275	9.39	.13	3.20	1.10	5.61
300	10.58	.13	3.13	1.13	5.48
325	12.02	.17	2.08	1.47	3.61
350	12.97	.10	4.11	.65	7.23

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

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

26 9 70
14 8 71
18 7 72
11 7 76
20 7 78

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. 165 KILAGMIOTAK F-48

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 27.5 MINUTES NORTH
134 DEGREES 11.9 MINUTES WEST

69 DEGRES 27.5 MINUTES NORD
134 DEGRES 11.9 MINUTES OUEST

ELEVATION 20 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	-5.55	2.32	-4.27	8.07	
50	-7.77	.27	2.84	1.85	20.49
75	-7.41	.08	2.93	.31	21.16
100	-7.11	.03	3.09	.10	22.35
125	-6.92	.05	4.03	.20	29.21
150	-6.56	.03	4.32	.13	31.36
175	-6.35	.09	4.61	.36	33.46
200	-6.06	.09	4.78	.35	34.70
225	-5.82	.13	5.05	.50	36.71
250	-5.75	.21	6.18	.84	45.03
275	-5.79	.19	8.51	.74	62.09
300	-5.76	.41	11.20	1.62	81.86

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

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

4	2	74
15	8	74
24	7	75
1	5	76
18	3	77
17	7	78

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.

****

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	-16.29		14.91		59.20
30.5	-14.77	.31	5.92	1.44	27.33
45.7	-14.40	.14	5.44	.63	25.09
61.0	-14.57	.22	6.43	.89	29.73
76.2	-14.12	.33	6.06	1.53	27.99
91.4	-14.15	.04	7.04	.17	32.55
106.7	-13.47	.21	6.84	.95	31.60
137.2	-12.41	.14	5.99	.66	27.64
152.4	-11.10	.05	4.00	.25	18.40
167.6	-11.01	.19	5.72	.86	26.41
182.9	-10.44	.08	4.59	.37	21.13
198.1	-9.99	.12	5.38	.54	24.82
213.4	-9.48	.11	5.56	.51	25.66
228.6	-9.31	.14	5.99	.66	27.64
243.8	-8.76	.19	5.51	.77	25.45
259.1	-8.12	.20	4.90	.92	22.59
274.3	-7.77	.01	5.40	.03	24.93
289.6	-7.80	.19	6.96	.86	32.19
320.0	-6.89	.10	6.80	.46	31.44
350.5	-5.04	.10	3.70	.48	16.99
381.0	-4.50	.02	5.81	.11	26.81
411.5	-3.42	.13	5.15	.58	23.77
442.0	-2.31	.20	4.07	.91	18.74

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

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

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

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. 167 UNIPKAT I-22
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 11.7 MINUTES NORTH
135 DEGREES 20.5 MINUTES WEST

69 DEGRES 11.7 MINUTES NORD
135 DEGRES 20.5 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	-2.25	.29	1.18	.28	5.53
50	-1.28	.11	1.99	.11	9.49
75	-.50	.07	2.99	.07	14.44
100	.71	.10	3.20	.10	15.46
125	1.69	.11	3.26	.11	15.74
150	2.90	.14	3.18	.13	15.35
175	3.95	.13	3.09	.12	14.90
200	5.15	.12	2.95	.12	14.21
225	6.17	.12	2.77	.12	13.33
250	6.97	.12	2.66	.12	12.82
275	7.76	.12	2.61	.12	12.54
300	8.40	.09	2.42	.09	11.62
325	8.98	.08	2.39	.08	11.50
350	9.54	.09	2.39	.10	11.50
375	10.19	.11	2.41	.12	11.58
400	10.89	.10	2.34	.11	11.21
425	11.45	.09	2.22	.10	10.63
450	11.94	.09	2.17	.10	10.39
475	12.46	.09	2.22	.10	10.65
500	13.14	.08	2.13	.08	10.20
525	13.71	.07	2.04	.07	9.75
550	14.24	.09	2.13	.07	10.20
575	14.94	.13	2.00	.11	9.59
600	15.60	.12	2.01	.08	9.64
625	16.23	.14	1.94	.10	9.29
650	17.26		1.59		7.57
675	17.75		1.60		7.58
700	18.27		1.60		7.61

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

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

1	4	73
25	4	73
20	6	73
4	2	74
16	8	74
22	7	75
27	4	75
21	7	78

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.

****

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	-14.70	.14	2.82	.44	7.35
50	-14.62	.01	3.18	.03	8.31
75	-14.11	.01	3.29	.03	8.61
100	-13.49	.02	3.35	.05	8.77
125	-12.51	.04	3.44	.13	9.01
150	-11.64	.01	3.37	.04	8.82
175	-11.04	.02	3.24	.05	8.47
200	-10.52	.02	3.38	.05	8.86
225	-9.97	.02	3.75	.06	9.84
250	-9.36	.03	4.20	.09	11.02
275	-8.55	.04	4.16	.11	10.92
300	-7.95	.04	4.25	.11	11.17
325	-7.21	.04	4.47	.12	11.75
350	-6.32	.04	4.32	.13	11.36
375	-5.81	.04	4.29	.12	11.26
400	-5.34	.03	3.97	.10	10.41
425	-4.85	.05	4.31	.16	11.33
450	-4.08	.05	3.96	.15	10.39
475	-3.54	.04	3.76	.11	9.86
500	-2.77	.03	3.30	.09	8.65
525	-2.01	.03	3.25	.10	8.50
550	-1.18	.06	3.99	.18	10.48
575	-.09	.06	3.94	.18	10.33
600	.91	.07	3.77	.22	9.89
625	2.03	.09	3.38	.27	8.86
650	3.02	.07	3.13	.22	8.18

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

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

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

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. 173 NIGLINTGAK H-30

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 19.4 MINUTES NORTH
135 DEGREES 20.1 MINUTES WEST

69 DEGRES 19.4 MINUTES NORD
135 DEGRES 20.1 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	-2.68	.17	2.18	.27	9.63
50	-1.87	.08	1.35	.13	5.89
75	-1.30	.07	1.08	.12	4.64
100	-.89	.19	2.16	.33	9.56
125	-.55	.26	3.60	.45	16.07
150	.11	.15	3.36	.26	14.98
175	.63	.02	3.41	.03	15.18
200	1.09	.03	3.40	.05	15.14
225	1.40	.02	3.62	.04	16.16
250	1.76	.05	3.58	.08	15.94

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

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

19 6 73
4 2 74
22 7 75
28 4 76
21 7 78

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.

****

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)
50	-16.49	.13	8.08	.23	31.92
75	-15.79	.05	6.14	.09	24.21
100	-15.34	.08	7.16	.14	28.24
125	-14.69	.10	7.80	.17	30.78
150	-13.30	.04	7.06	.07	27.85
175	-12.00	.02	6.70	.03	26.42
200	-10.62	.02	6.84	.03	26.97
225	-9.39	.05	6.65	.09	26.21
250	-8.39	.05	5.84	.09	22.99
275	-7.32	.02	5.67	.03	22.32
300	-6.14	.02	4.77	.04	18.77
325	-5.26	.02	3.86	.03	15.13
350	-4.41	.05	3.32	.08	13.01
375	-3.50	.12	2.58	.20	10.06
400	-2.72	.16	2.19	.28	8.52
425	-1.87	.16	2.17	.27	8.43
450	-1.33	.06	3.09	.10	12.08
475	-.92	.10	4.50	.17	17.69
500	-.07	.16	5.16	.27	20.29
525	1.11	.22	5.15	.38	20.27
550	2.77	.09	4.81	.16	18.91
575	4.25	.07	4.74	.12	18.65
600	5.63	.07	4.70	.13	18.47
625	7.06	.09	4.46	.15	17.52
650	8.43	.09	4.27	.16	16.77
675	9.60	.08	4.33	.13	16.99
700	10.74	.07	4.09	.12	16.05
725	11.74	.08	3.90	.12	15.29
750	12.78	.08	3.75	.12	14.72
775	13.85	.10	3.66	.15	14.35
800	14.82	.07	3.55	.10	13.90

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

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

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

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.

176 YA YA P-53

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 12.8 MINUTES NORTH
134 DEGREES 42.7 MINUTES WEST

69 DEGRES 12.8 MINUTES NORD
134 DEGRES 42.7 MINUTES OUEST

ELEVATION 36 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	-7.75	.11	3.37	.30	9.29
50	-7.12	.04	3.52	.11	9.69
75	-6.60	.03	3.67	.09	10.12
100	-6.12	.05	4.29	.17	11.85
125	-5.62	.08	5.22	.24	14.44
150	-5.05	.05	4.36	.16	12.06
175	-4.75	.09	4.97	.27	13.75
200	-4.34	.07	4.66	.22	12.89
225	-3.89	.05	4.25	.14	11.72
250	-3.40	.04	3.81	.12	10.51
275	-2.91	.02	3.25	.07	8.95
300	-2.51	.07	2.86	.22	7.85
325	-2.11	.08	2.34	.26	6.40
350	-1.67	.09	1.72	.27	4.67
375	-1.21	.08	1.01	.25	2.70
400	-.82	.06	1.30	.20	3.50
425	-.28	.10	2.25	.32	6.15
450	.48	.07	2.21	.22	6.04
475	1.20	.06	2.02	.19	5.51
500	1.94	.04	1.89	.10	5.15
525	2.56	.04	1.89	.11	5.14
550	3.25	.05	1.62	.10	4.38

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

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

19 6 73
4 2 74
16 8 74
24 7 75
25 4 76
16 3 77
17 7 78

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. 178 PARSONS N-10

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

68 DEGREES 59.8 MINUTES NORTH
133 DEGREES 31.8 MINUTES WEST

68 DEGRES 59.8 MINUTES NORD
133 DEGRES 31.8 MINUTES OUEST

ELEVATION 68 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	-5.81	.16	3.28	.21	8.31
50	-5.23	.05	2.90	.06	7.34
75	-4.76	.05	2.60	.06	6.56
100	-4.34	.06	2.29	.07	5.76
125	-3.97	.07	2.01	.09	5.06
150	-3.32	.14	1.59	.18	3.97
175	-2.62	.22	1.38	.29	3.43
200	-2.17	.23	1.12	.29	2.76
225	-1.81	.18	.99	.23	2.41
250	-1.42	.14	.83	.18	2.01
275	-1.05	.14	.69	.18	1.65
300	-.84	.08	.70	.10	1.67
325	-.61	.03	.65	.03	1.55
350	-.16	.07	2.39	.09	6.02
375	.79	.03	2.57	.04	6.49
400	1.53	.04	2.48	.05	6.26
425	2.20	.04	2.46	.05	6.20
450	2.88	.04	2.39	.05	6.03
475	3.58	.04	2.32	.05	5.84
500	4.19	.03	2.42	.04	6.10
525	4.86	.03	2.35	.04	5.93
550	5.54	.06	2.33	.07	5.87
575	6.12		2.37		5.98
600	6.77		2.33		5.87

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

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

21 6 73
3 2 74
15 8 74
23 7 75
16 7 78

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.

179 REINDEER F-36

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 5.3 MINUTES NORTH
134 DEGREES 39.0 MINUTES WEST

69 DEGRES 5.3 MINUTES NORD
134 DEGRES 39.0 MINUTES OUEST

ELEVATION 10 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	-7.32	.24	8.76	2.30	12.88
50	-6.89	.11	6.99	1.17	10.27
75	-6.48	.02	4.76	.21	6.97
100	-6.33	.04	5.96	.40	8.74
125	-6.04	.03	5.97	.32	8.76
150	-5.52	.05	5.97	.51	8.76
175	-4.82	.06	5.89	.62	8.64
200	-3.98	.06	5.72	.64	8.39
225	-3.20	.06	5.32	.63	7.80
250	-2.54	.03	4.14	.33	6.05
275	-2.07	.05	4.84	.53	7.08
300	-1.44	.07	3.93	.71	5.74
325	-.81	.06	2.10	.59	3.03

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

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

3 2 74
14 8 74
24 7 75
20 4 76
16 3 77
17 7 78

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.

192 KUGPIK O-13

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

68 DEGREES 52.8 MINUTES NORTH
135 DEGREES 18.2 MINUTES WEST

68 DEGRES 52.8 MINUTES NORD
135 DEGRES 18.2 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	-1.72	.35	.52	.41	2.45
50	-.98	.11	1.94	.13	9.75
75	-.39	.07	3.59	.08	18.21
100	.63	.05	3.98	.05	20.27
125	1.71	.10	3.83	.12	19.47
150	2.41	.12	4.03	.14	20.50
175	3.09	.17	4.16	.20	21.15
200	4.04	.19	4.07	.22	20.70
225	5.20	.18	3.67	.21	18.67
250	6.28	.15	3.13	.17	15.86
275	6.94	.12	2.81	.14	14.21
300	7.40	.15	2.82	.18	14.27
325	8.09	.15	2.75	.17	13.92
350	8.78	.15	2.65	.18	13.38
375	9.39	.15	2.57	.17	12.97
400	10.00	.14	2.48	.16	12.54
425	10.67	.13	2.34	.15	11.80
450	11.18	.14	2.31	.16	11.66
475	11.92	.16	2.37	.19	11.97
500	12.88	.17	2.11	.19	10.60
525	13.58	.14	1.93	.15	9.71
550	14.00	.01	1.96	.01	9.83
575	14.61	.01	1.88	.01	9.40
600	15.23	.02	1.89	.02	9.49
625	15.75	.09	2.81	.08	14.22
650	16.59	.00	3.15	.00	15.95
675	17.29	.00	2.98	.00	15.10
700	17.79	.00	3.15	.00	15.96
725	18.31	.00	3.19	.00	16.18

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

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

4 11 73
5 2 74
16 8 74
22 7 75
27 4 76
21 7 78

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.

193 IKHIL I-37

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

68 DEGREES 46.6 MINUTES NORTH
134 DEGREES 7.8 MINUTES WEST

68 DEGRES 46.6 MINUTES NORD
134 DEGRES 7.8 MINUTES OUEST

ELEVATION 125 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	-2.92	3.48	1.48	2.21	9.31
50	-4.71	.71	2.04	.50	12.95
75	-6.36	.60	2.84	.46	18.13
100	-5.41	.36	2.53	.28	16.09
125	-4.82	.34	2.30	.26	14.63
150	-3.99	.36	1.97	.28	12.45
175	-3.14	.46	1.75	.36	11.03
200	-2.49	.36	1.58	.28	9.95
225	-2.00	.29	1.48	.22	9.28
250	-1.63	.24	1.47	.18	9.21
275	-1.23	.20	1.56	.16	9.83
300	-.80	.26	1.19	.20	7.41
325	-.58	.27	1.07	.21	6.64
350	.10	.20	2.02	.15	12.82
375	.74	.08	2.69	.06	17.14
400	1.66	.16	2.68	.12	17.07
425	2.82	.16	2.82	.12	17.97
450	3.62	.12	2.66	.09	16.96
475	4.38	.10	2.66	.08	16.93
500	5.14	.09	2.69	.06	17.13
525	5.95	.08	2.63	.06	16.74

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

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

19 12 73
3 2 74
15 8 74
23 7 75
18 3 77
21 7 78

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.

194 ATIGI 0-48

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

68 DEGREES 57.0 MINUTES NORTH
133 DEGREES 56.1 MINUTES WEST

68 DEGRES 57.0 MINUTES NORD
133 DEGRES 56.1 MINUTES OUEST

ELEVATION 85 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	-.83	.00	-5.08	.00	-7.03
50	-1.01	.58	-3.35	.74	-4.66
75	-5.03	.54	.55	.80	.68
100	-6.33	.01	1.84	.01	2.45
125	-6.19	.01	1.88	.01	2.51
150	-6.07	.03	2.74	.04	3.68
175	-5.81	.01	1.99	.01	2.66
200	-5.42	.12	1.59	.18	2.11
225	-5.24	.07	1.48	.10	1.96
250	-5.04	.04	1.29	.06	1.69
275	-4.78	.04	1.12	.07	1.47
300	-4.54	.05	1.07	.07	1.40
325	-4.41	.01	1.96	.02	2.61
350	-4.21	.04	1.68	.05	2.23
375	-3.84	.03	.99	.05	1.30
400	-3.51	.04	1.33	.06	1.75
425	-3.08	.02	1.47	.03	1.95
450	-2.67	.02	1.12	.03	1.47
475	-2.19	.07	.94	.10	1.22
500	-1.74	.08	.84	.12	1.08
525	-1.29	.05	.69	.07	.88
550	-.71	.07	.47	.10	.58
575	-.20	.03	1.35	.04	1.78

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

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

19 3 74
15 8 74
23 7 75
17 7 78

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.

195 LINCKENS ISLAND P-46

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

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77 DEGREES 45.8 MINUTES NORTH
97 DEGREES 45.4 MINUTES WEST

77 DEGRES 45.8 MINUTES NORD
97 DEGRES 45.4 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)
30.5	-15.51	.15	11.97	1.47	21.89
45.7	-12.91	.03	5.98	.31	10.88
61.0	-11.60	.01	4.04	.13	7.33
76.2	-10.65	.00	3.36	.04	6.07
91.4	-10.09	.00	3.07	.01	5.55
106.7	-9.18	.02	3.30	.16	5.96
121.9	-8.40	.01	4.06	.07	7.37
137.2	-7.01	.00	4.35	.04	7.89
152.4	-5.81	.00	4.39	.00	7.97
167.6	-4.40	.00	6.26	.02	11.40
182.9	-3.61	.01	5.92	.11	10.77
198.1	-2.33	.01	3.72	.07	6.73
213.4	-1.63	.01	3.90	.06	7.07
228.6	-1.03	.00	3.63	.01	6.57
243.8	-.38	.01	4.80	.15	8.73
259.1	.28	.02	4.81	.23	8.74
274.3	.81	.01	5.60	.12	10.19
289.6	1.14	.00	5.39	.01	9.80
304.8	1.70	.04	5.99	.38	10.90
335.3	2.66	.02	5.72	.15	10.41
365.8	3.49	.01	4.16	.09	7.54
396.2	4.07	.02	3.61	.19	6.54
426.7	4.64	.01	3.72	.07	6.73
457.2	5.15	.02	3.85	.18	6.98
487.7	5.74		3.52	.03	6.36
518.2	6.49		3.07	.01	5.55

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

21 5 74
17 5 77
26 5 78

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

****

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	7.49
100	-14.73	.01	2.09	.02	7.44
125	-14.13	.01	2.07	.02	7.37
150	-13.50	.05	2.11	.07	7.51
175	-12.68	.04	2.08	.06	7.40
200	-12.00	.03	2.03	.05	7.23
225	-11.25	.05	2.03	.07	7.21
250	-10.37	.05	2.14	.08	7.63
275	-9.44	.04	1.98	.06	7.02
300	-8.67	.04	1.92	.06	6.80
325	-8.01	.06	1.90	.08	6.76
350	-7.38	.05	1.88	.07	6.67
375	-6.78	.04	1.90	.06	6.73
400	-6.27	.06	2.04	.08	7.25
425	-5.75	.04	2.13	.06	7.57
450	-5.29	.03	2.37	.04	8.46
475	-4.69	.05	2.14	.07	7.62
500	-4.05	.04	1.72	.06	6.10
525	-3.56	.04	1.71	.06	6.06
550	-3.10	.05	1.47	.07	5.17
575	-2.66	.06	1.25	.09	4.39
600	-2.23	.07	1.06	.11	3.69
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

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

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 LOGARITHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
25	-2.08		7.21		9.02
50	-2.06		3.25		4.03
75	-2.19	.01	3.36	.07	4.18
100	-2.04	.01	3.04	.05	3.77
125	-1.87	.02	2.26	.10	2.79
150	-1.73	.02	2.90	.13	3.59
175	-1.57	.01	1.81	.08	2.22
200	-1.44	.02	1.60	.09	1.95
225	-1.31	.02	1.63	.12	1.99
250	-1.21	.03	2.32	.18	2.86
275	-1.08	.03	2.39	.18	2.95
300	-.90	.02	1.01	.12	1.20
325	-.82	.03	1.22	.15	1.48
350	-.67	.03	.86	.15	1.02
375	-.51	.03	.44	.15	.49
400	-.41	.04	.76	.20	.89
425	-.23	.06	1.10	.33	1.33
450	-.04	.04	1.32	.24	1.61
475	.13	.04	1.16	.24	1.40
500	.38		.86		1.03

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

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

17 8 74
30 4 76
20 7 78

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.
254 YA YA A-28
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 17.2 MINUTES NORTH
134 DEGREES 35.5 MINUTES WEST

69 DEGRES 17.2 MINUTES NORD
134 DEGRES 35.5 MINUTES OUEST

ELEVATION 40 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	-7.60		9.55		25.51
75	-7.93	.62	6.29	4.25	16.76
100	-7.16	.13	4.36	.87	11.57
125	-6.91	.14	6.98	.94	18.60
150	-6.99	.23	14.64	1.55	39.17
175	-6.44	.11	13.90	.76	37.19
200	-5.78	.07	9.44	.50	25.20
225	-5.46	.14	8.53	.96	22.77
250	-5.24	.17	9.73	1.15	25.99
275	-4.93	.17	9.57	1.18	25.55
300	-4.78	.05	13.58	.32	36.34
325	-4.21	.06	8.88	.42	23.72
350	-3.73	.06	6.02	.44	16.03
375	-3.41		5.39		14.34
400	-3.14		5.53		14.70
425	-2.89		6.15		16.37
450	-2.63		6.66		17.74
475	-2.28		5.91		15.74
500	-1.94		4.73		12.57
525	-1.65		3.72		9.86
550	-1.34		3.03		7.99
575	-.98		1.46		3.78

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

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

25 7 75
29 4 76
18 3 77
17 7 78

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 LOGARTHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
50	-15.32	.00	4.11	.01	44.90
75	-14.43	.03	3.99	.05	43.56
100	-13.58	.05	4.25	.09	46.48
125	-12.49	.03	4.85	.06	53.11
150	-10.72	.09	5.06	.17	55.44
175	-8.80	.00	4.67	.00	51.12
200	-6.76	.02	4.11	.03	44.95
225	-4.89	.10	3.57	.19	38.95
250	-3.64	.24	3.62	.47	39.52
275	-2.52	.42	3.80	.82	41.52
300	-1.30	.58	3.57	1.14	38.96
325	.30	.25	3.15	.49	34.32
350	1.80	.12	2.96	.24	32.19
375	3.31	.00	2.44	.01	26.42
400	4.14	.02	2.26	.04	24.46
425	4.61	.02	2.20	.03	23.78
450	5.07	.03	2.06	.05	22.20

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

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

14 5 75
14 5 76
26 5 78

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	-15.74		9.28		4.30
50	-14.74	.05	6.27	.05	2.90
75	-13.66	.04	4.86	.04	2.24
100	-12.32	.02	4.22	.02	1.94
125	-10.93	.00	4.08	.00	1.88
150	-9.57	.02	3.83	.02	1.76
175	-8.13	.04	3.46	.04	1.59
200	-6.64	.05	3.14	.05	1.44
225	-4.71	.12	2.82	.12	1.29
250	-2.94	.17	2.72	.18	1.24
275	-.86	.10	2.45	.10	1.12
300	.71	.01	2.10	.01	.95
325	2.01	.02	1.97	.02	.89
350	3.25	.03	1.92	.03	.87
375	4.63	.01	1.71	.01	.77

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

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

16 5 75
23 5 76
26 5 78

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 LOGARITHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
25	-1.97		20.57		71.95
50	1.91	1.52	-26.39	16.88	
75	-.83	.12	1.40	1.35	4.72
100	-.56	.11	1.22	1.24	4.09
125	-.48	.01	1.71	.12	5.82
150	-.64	.03	2.01	.40	6.87
175	-.71	.03	2.79	.34	9.60
200	-.70	.06	2.23	.66	7.66
225	-.76	.11	2.03	1.31	6.95
250	-.99	.10	2.96	1.12	10.21
275	-.88	.05	2.95	.54	10.16
300	-.84	.07	2.83	.79	9.76
325	-1.02	.05	4.22	.58	14.64
350	-1.27	.16	5.20	1.78	18.08
375	-1.36	.03	6.06	.37	21.07
400	-1.28	.03	6.05	.33	21.04
425	-1.20	.03	4.12	.38	14.28
450	-1.22	.06	3.43	.69	11.87
475	-1.13	.03	2.63	.34	9.06
500	-1.00	.02	1.33	.27	4.50
525	-.76	.01	-.62	.09	-2.35
550	-.48		-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

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

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 LOGARTHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
25	-6.69	.58	7.23	7.11	17.31
50	-5.79	.13	15.64	1.65	37.59
75	-5.02	.19	19.25	2.50	46.30
100	-4.56	.14	19.15	1.80	46.05
125	-4.06	.14	16.89	1.86	40.60
150	-3.88	.20	19.96	2.60	47.99
175	-3.52	.17	21.68	2.14	52.14
200	-2.81	.13	18.51	1.70	44.50
225	-2.27	.15	15.08	1.87	36.24
250	-2.00	.12	12.70	1.59	30.51
275	-1.76	.13	9.61	1.71	23.04
300	-1.68	.10	8.21	1.24	19.67
325	-1.90	.07	10.79	.91	25.90
350	-1.98	.14	10.88	1.74	26.10
375	-1.90	.12	9.66	1.58	23.16
400	-1.76	.03	8.31	.39	19.92
425	-1.52	.05	6.68	.59	15.99
450	-1.41	.05	5.94	.61	14.21
475	-1.24	.09	4.94	1.11	11.79
500	-1.04	.01	3.61	.11	8.59
525	-.77	.01	.73	.17	1.65

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

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

26 7 75
29 4 76
7 7 76
10 3 77
18 7 78

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.

****

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 LOGARTHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
50	-4.50	1.74	14.74	24.35	41.46
75	-2.74	.14	4.02	2.01	11.20
100	-1.53	.09	.65	1.37	1.69
125	-1.28	.12	2.17	1.69	5.99
150	-1.29	.09	4.46	1.24	12.46
175	-1.26	.10	5.90	1.42	16.51
200	-1.43	.12	6.12	1.78	17.13
225	-1.34	.07	3.18	.97	8.84
250	-1.36	.04	2.86	.58	7.92
275	-1.22	.08	1.95	1.16	5.38
300	-1.31	.09	5.31	1.35	14.85
325	-1.33	.09	6.53	1.24	18.28
350	-1.12	.02	2.44	.33	6.73

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

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

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

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.

271 NORTH ELLICE J-23

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 12.6 MINUTES NORTH
135 DEGREES 51.2 MINUTES WEST

69 DEGRES 12.6 MINUTES NORD
135 DEGRES 51.2 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)
25	-3.28	.39	2.03	.48	7.80
50	-1.45	.12	1.65	.16	6.31
75	.07	.05	2.66	.07	10.31
100	1.59	.05	2.71	.06	10.51
125	3.22	.03	2.67	.05	10.34
150	4.58	.05	2.51	.07	9.72
175	5.78	.06	2.56	.08	9.91
200	6.97	.04	2.45	.06	9.46
225	7.93	.03	2.30	.04	8.88
250	8.66	.02	2.16	.03	8.34
275	9.36	.03	2.02	.04	7.79
300	9.92	.03	1.93	.04	7.42
325	10.48	.03	1.86	.04	7.15
350	11.02	.03	1.83	.04	7.03
375	11.53	.02	1.82	.03	6.97
400	12.00	.02	1.79	.03	6.85
425	12.39	.10	1.78	.11	6.81

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

28 4 76
18 10 76
7 3 77
13 4 78
21 7 78

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

****

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 LOGARTHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
25	-7.15	1.03	17.29	14.16	25.04
50	-6.89	.22	22.44	1.38	32.51
75	-5.81	.19	20.02	1.19	29.00
100	-5.00	.47	18.66	2.96	27.02
125	-4.33	.35	15.79	2.19	22.86
150	-3.03	.28	10.98	1.80	15.87
175	-2.14	.26	7.53	1.61	10.87
200	-1.31	.23	4.30	1.43	6.18
225	-.86	.10	2.51	.64	3.57
250	-.66	.03	2.10	.21	2.97
275	-.40	.07	2.72	.42	3.88
300	.06	.11	7.79	.70	11.25
325	.81	.08	8.22	.49	11.86
350	1.60	.05	7.75	.35	11.18
375	2.31	.06	7.87	.35	11.35
400	3.09	.05	7.82	.29	11.28
425	3.89	.06	7.60	.39	10.97
450	4.86	.07	7.52	.46	10.85
475	5.66	.06	6.95	.36	10.02
500	6.40	.07	6.83	.39	9.85
525	7.39		6.60		9.50
550	8.42		6.37		9.17
575	9.22		5.90		8.50
600	9.94		5.80		8.34

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

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

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

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 KAMIK 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 LOGARTHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
50	-7.84	.15	12.98	.62	36.14
75	-7.07	.15	9.18	.60	25.50
100	-6.98	.13	8.44	.52	23.46
125	-6.56	.12	8.36	.48	23.23
150	-5.85	.08	6.81	.34	18.88
175	-5.36	.06	7.45	.25	20.69
200	-4.24	.05	5.50	.20	15.52
225	-3.69	.12	5.66	.50	15.67
250	-3.27	.13	6.40	.52	17.74
275	-2.40	.15	4.37	.62	12.09

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

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

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

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
133 DEGREES 33.8 MINUTES WEST

69 DEGRES 0.0 MINUTES NORD
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	-3.60		11.14		18.53
50	-4.45	.33	15.89	2.00	26.47
75	-5.20	.41	14.31	2.52	23.33
100	-4.97	.00	6.54	.01	11.02
125	-4.89	.04	7.06	.28	11.72
150	-4.54	.02	5.48	.12	9.08
175	-4.51	.07	9.01	.41	14.98
200	-4.01	.01	9.95	.06	16.54
225	-3.30	.09	9.32	.57	15.50
250	-2.55	.18	8.16	1.12	13.55
275	-1.60	.32	5.26	1.94	8.71
300	-1.03	.24	3.13	1.45	4.97
325	-.54	.10	1.03	.63	1.65
350	-.20	.04	-.34	.23	-.65
375	-.04	.02	2.11	.12	3.45
400	.79	.06	3.59	.36	6.08
425	1.72	.09	3.43	.55	5.65
450	2.57	.04	3.71	.27	6.12
475	3.31	.03	3.50	.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

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

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 LOGARITHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
50	-1.90	.17	2.43	.16	7.56
75	-1.73	.13	2.35	.11	7.30
100	-1.61	.12	2.71	.11	8.47
125	-1.70	.11	3.41	.10	10.69
150	-2.09	.29	1.91	.26	5.91
175	-1.90	.28	1.72	.25	5.30
200	-1.58	.21	1.59	.19	4.90
225	-1.33	.13	1.58	.12	4.86
250	-1.12	.12	1.60	.10	4.92
275	-.92	.10	1.28	.09	3.90
300	-.87	.14	1.44	.12	4.43
325	-.75	.13	1.59	.12	4.89
350	-.01	.05	1.80	.05	5.57
375	.84	.12	2.80	.11	8.75
400	1.68	.11	2.85	.10	8.89
425	2.50	.11	2.79	.10	8.70
450	3.22	.11	2.82	.10	8.79
475	3.91	.10	2.81	.09	8.76
500	4.61	.10	2.76	.08	8.62
525	5.41	.18	2.64	.11	8.25
550	6.17	.19	2.48	.12	7.73
575	6.72	.18	2.44	.11	7.60
600	7.51	.20	2.36	.12	7.35

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

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

21 4 76
10 7 76
20 10 76
12 3 77
14 8 77
17 3 78
15 7 78

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. 276 ULU A-35

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

68 DEGREES 44.0 MINUTES NORTH
135 DEGREES 52.9 MINUTES WEST

68 DEGRES 44.0 MINUTES NORD
135 DEGRES 52.9 MINUTES OUEST

ELEVATION 3 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	-1.16	.02	2.40	.02	12.17
50	-1.72	.61	3.53	.57	18.03
75	-1.09	.08	4.37	.08	22.36
100	.74	.02	4.27	.02	21.87
125	2.08	.06	4.31	.05	22.06
150	3.19	.05	4.02	.05	20.56

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

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

18 10 76
19 3 77
13 4 78
21 7 78

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 LOGARTHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
50	-4.86		22.83		27.46
75	-5.47	.30	24.69	2.92	29.71
100	-5.58	.39	31.73	3.79	38.18
125	-5.36	.42	31.93	4.04	38.43
150	-4.21	.17	15.01	1.59	18.03
175	-3.43	.09	8.77	.85	10.51
200	-3.07	.11	11.08	1.03	13.29
225	-2.59	.10	12.70	1.00	15.25
250	-1.79	.18	9.39	1.76	11.26
275	-1.18	.19	5.86	1.80	7.00
300	-.79	.07	2.32	.69	2.97
325	-.47	.02	.72	.23	.80
350	.27	.21	-2.72	2.01	-3.34
375	.31	.01	8.31	.14	9.96
400	1.24	.04	7.04	.39	8.42
425	2.00	.02	5.86	.14	7.00

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

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

14 3 77
14 8 77
16 7 78

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.

278 NIGLINTGAK B-19

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 18.2 MINUTES NORTH
135 DEGREES 18.3 MINUTES WEST

69 DEGRES 18.2 MINUTES NORD
135 DEGRES 18.3 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	-4.06		11.10		22.40
50	-2.58	.19	5.39	1.59	10.82
75	-1.59	.30	4.09	2.53	8.18
100	-.86	.27	1.85	2.23	3.65
125	-.35	.12	.47	1.03	.85
150	-.29	.00	1.05	.03	2.03
175	.02	.05	3.48	.38	6.96
200	.46	.07	4.53	.58	9.08
225	.90	.02	5.09	.16	10.22
250	1.39	.02	5.67	.20	11.39
275	2.06	.06	4.51	.48	9.04
300	2.53	.02	5.53	.15	11.11
325	3.10	.05	5.18	.41	10.39
350	3.67	.03	4.68	.24	9.38
375	4.24	.01	4.18	.05	8.38

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

25 3 77
14 8 77
21 7 78

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.

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 LOGARTHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
25	-6.63	.35	2.16	.24	5.71
50	-4.83	.00	1.91	.00	5.04
75	-3.20	.12	1.47	.08	3.85
100	-2.20	.15	1.13	.11	2.93
125	-2.13	.08	.97	.06	2.50
150	-1.50	.10	.99	.07	2.55
175	-.96	.05	1.10	.04	2.85
200	-.64	.02	.80	.02	2.03
225	-.48	.01	.63	.00	1.57
250	-.62		.83		2.12
275	-.43		.64		1.62
300	-.49		.88		2.25

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

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

15 4 77
14 4 78
15 7 78

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 LOGARTHMIQUE

Z (M)	T(EQ) (C)	DELTA T(EQ) (C)	Q (C)	DELTA Q (C)	TIME(YEARS) TEMPS(ANNEES)
50	-2.01	.17	1.53	.29	4.06
75	-.83	.01	.54	.02	1.35
100	-.49	.01	.27	.02	.62
125	-.45	.06	.22	.10	.48
150	-1.03	.05	.20	.09	.43
175	-.70	.01	.29	.01	.66
200	-.78	.03	.78	.05	2.00
225	-.89	.05	1.37	.09	3.61
250	-.46	.07	1.67	.12	4.43
275	.05	.05	1.98	.09	5.28
300	.55	.03	2.03	.06	5.41
325	1.11	.06	1.89	.11	5.05
350	1.61	.07	1.83	.13	4.89
375	2.07	.07	1.84	.12	4.90
400	2.61	.06	1.77	.11	4.71
425	3.11	.06	1.66	.10	4.43
450	3.71	.05	1.50	.10	3.98
475	4.21	.04	1.45	.07	3.83

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

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

14 4 77
17 3 78
21 7 78

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	-2.11		4.44		6.61
100	-2.08		4.40		6.55
125	-2.29		4.40		6.55
150	-1.88		3.34		4.96
175	-1.56		2.65		3.91
200	-1.31		2.24		3.29

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

13 8 77
20 7 78

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	.02	2.52	.04	.27
50	-3.66	.00	2.79	.01	.30
75	-2.56	.02	2.08	.03	.22
100	-1.81	.01	2.03	.02	.22
125	-1.23	.01	1.43	.01	.15
150	-1.03	.01	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

16 4 77
14 8 77
18 7 78

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)
50	-6.45		18.24		32.40
75	-5.38		7.40		13.09
100	-5.14		7.02		12.42
125	-5.18		8.44		14.94
150	-4.40		4.05		7.12
175	-4.32		5.68		10.03
200	-3.97		6.84		12.10
225	-3.57		8.02		14.18
250	-3.34		10.18		18.04
275	-2.82		11.12		19.71
300	-2.41		8.80		15.57
325	-1.27		3.89		6.84
350	-.52		1.03		1.74
375	.48		-3.52		-6.36
400	.11		3.63		6.38
425	.93		2.41		4.20

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

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

14 4 78
16 7 78

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)
50	-3.96		33.34		15.51
75	-6.75		98.82		46.00
100	-7.03		128.05		59.62
125	-7.28		154.33		71.85
150	-5.73		101.10		47.06
175	-6.40		146.39		68.16
200	-4.31		104.48		48.64
225	-1.63		34.23		15.92
250	-.78		10.85		5.03
275	-.64		5.94		2.74
300	-.51		1.26		.56
325	-.50		1.90		.86
350					
375	.32		43.73		20.34
400	1.28		36.07		16.77
425	1.80		40.93		19.04
450	2.72		32.39		15.06
475	3.43		33.56		15.61
500	4.14		34.05		15.84

TEMPERATURE LOGS USED IN RETURN TO EQUILIBRIUM CALCULATIONS

14 4 78
16 7 78

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

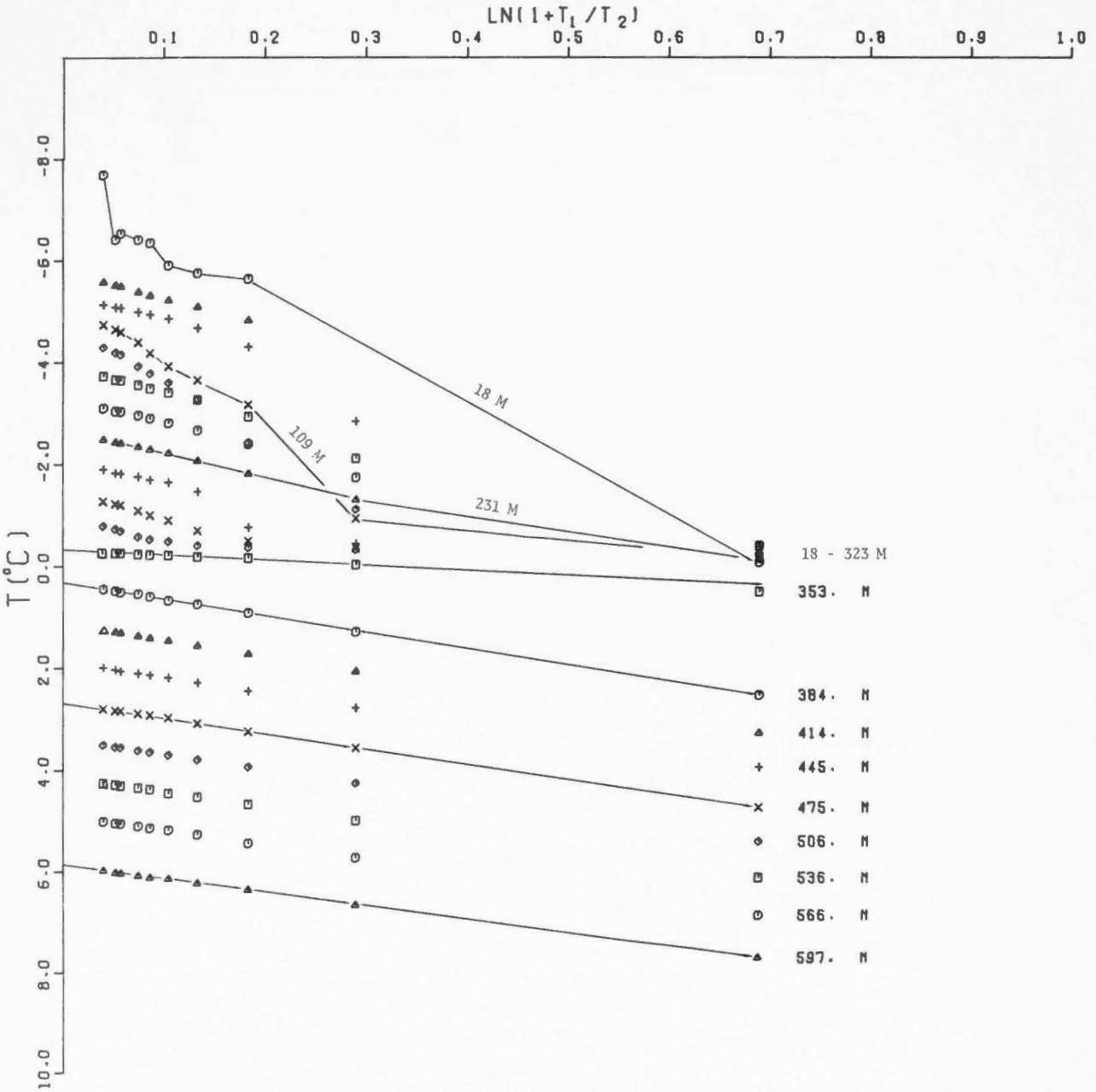
NOTES...
1. T(EQ) = EQUILIBRIUM TEMPERATURE
   DELTA T(EQ) = STANDARD DEVIATION
2. Q = SOURCE FUNCTION
   DELTA Q = STANDARD DEVIATION
3. TIME = THE TIME IN YEARS NECESSARY FOR THE TEMPERATURE TO RETURN TO WITHIN 0.1 DEGREES OF T(EQ).

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.

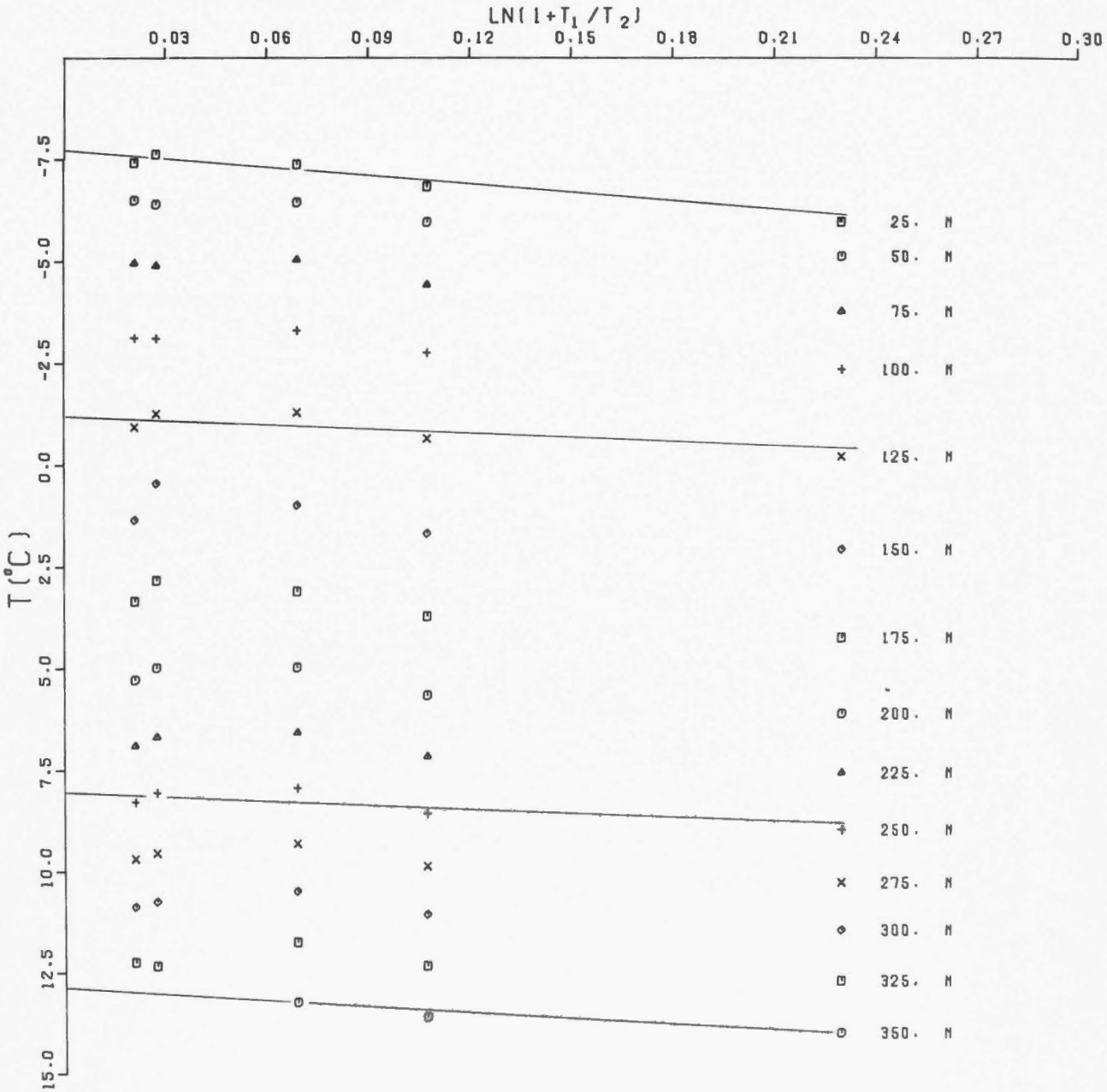
3.4 Graphs of the Return to Thermal Equilibrium

3.4 Graphique indiquant le retour à l'équilibre thermique

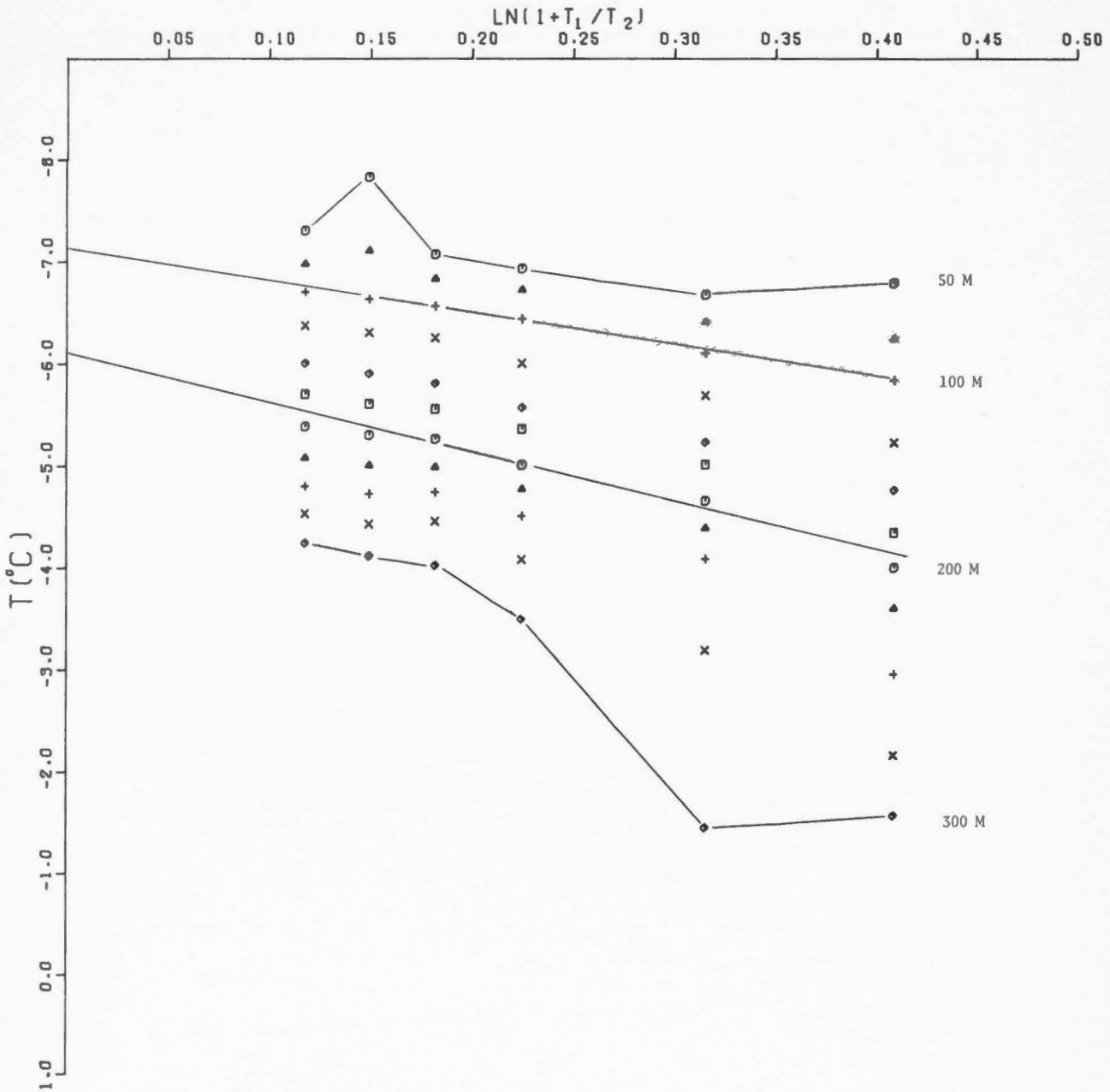
63 REINDEER D-27



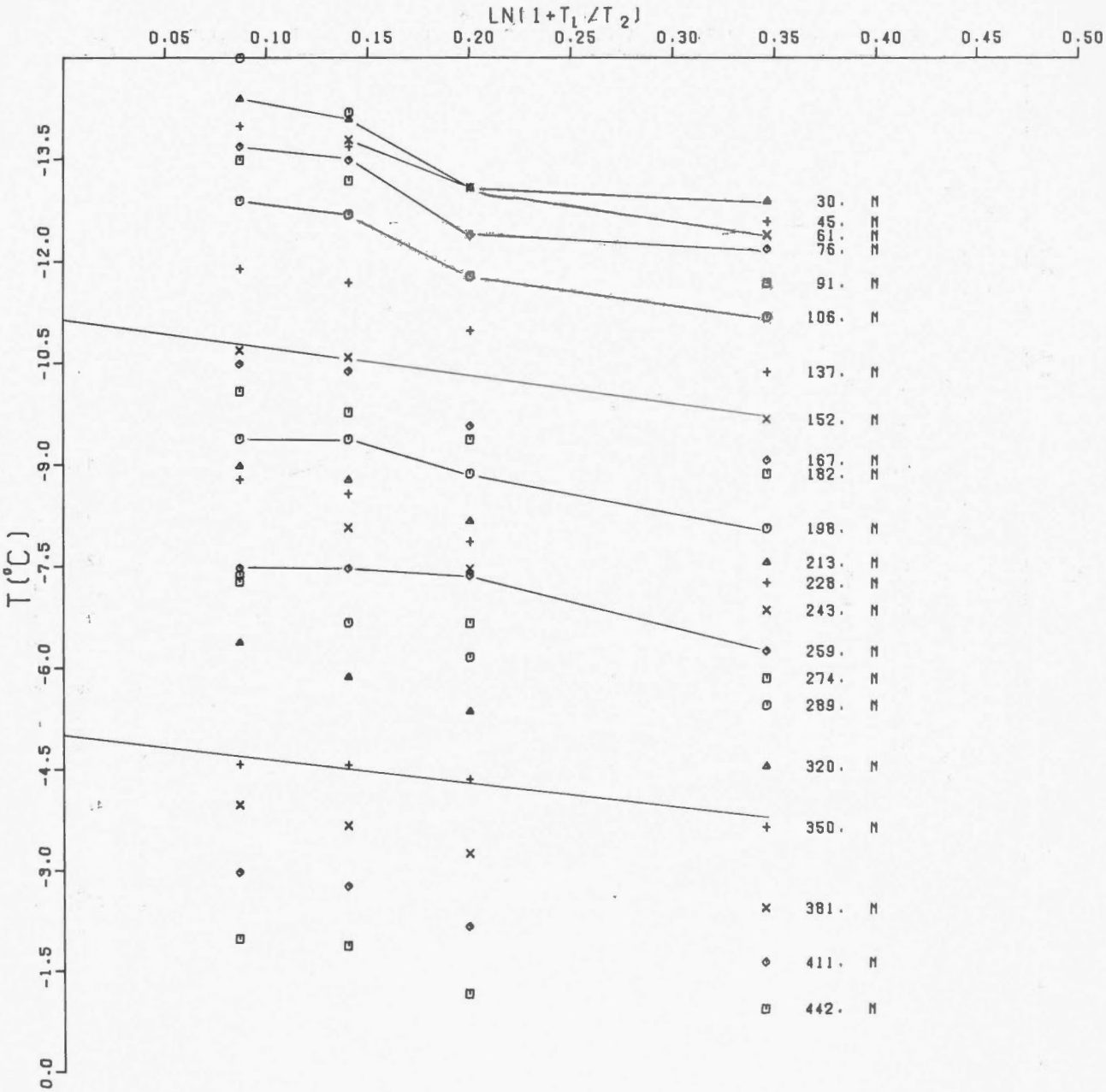
77 HORTON RIVER



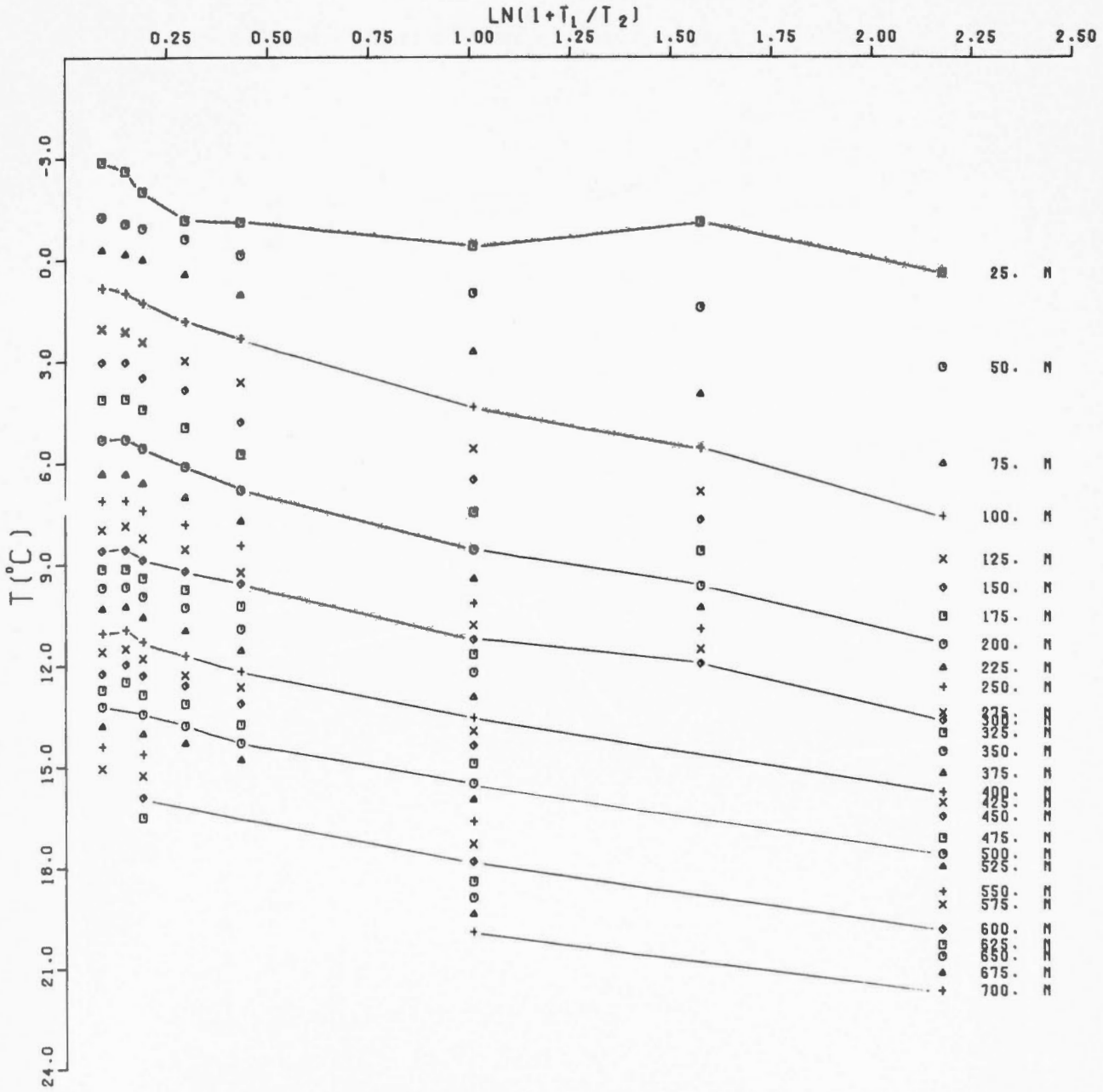
165 KILAGMIOTAK F-48



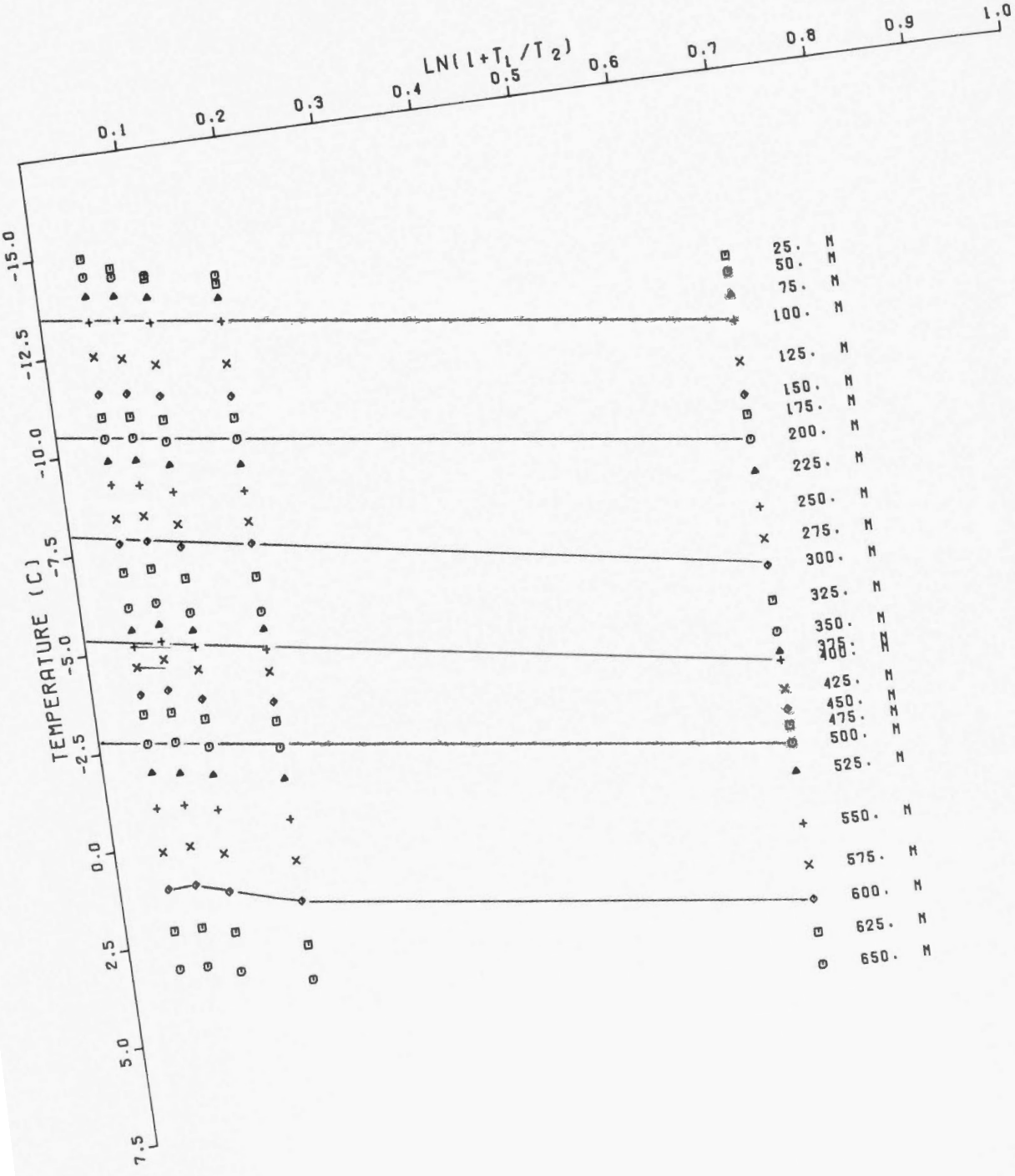
166 MOKKA A-02



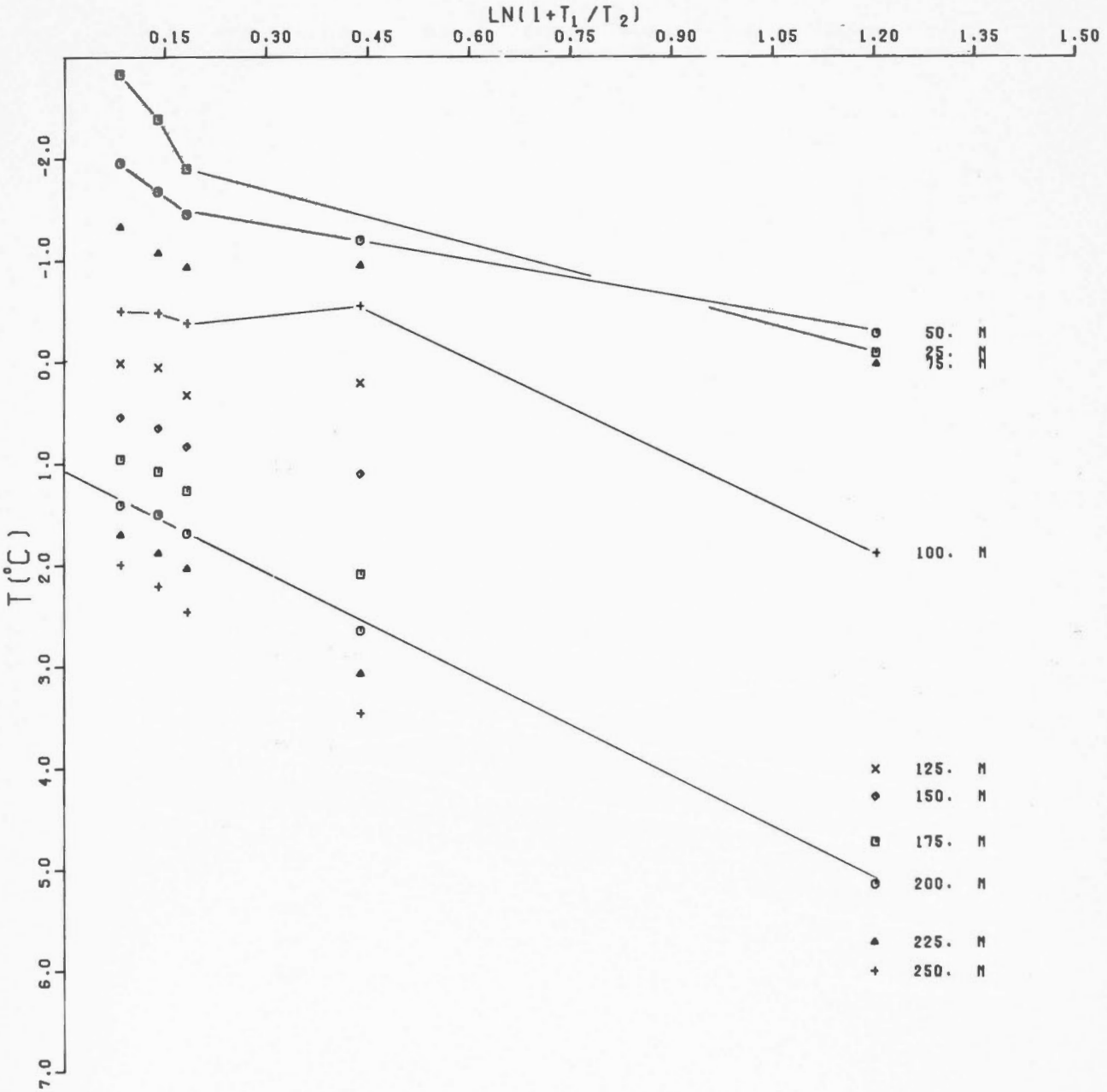
167 UNIPKAT I-22



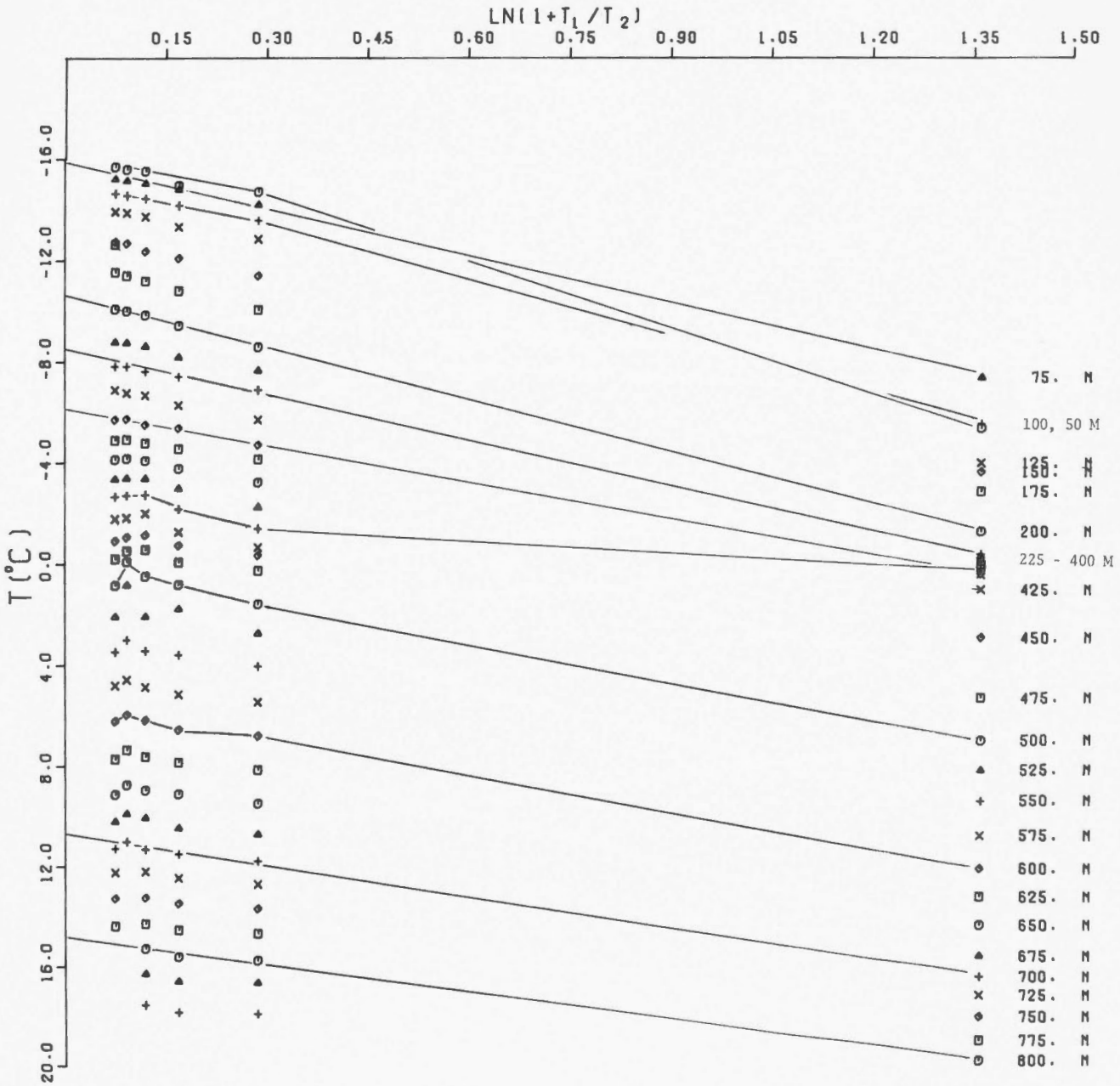
168 DUNDAS C-80



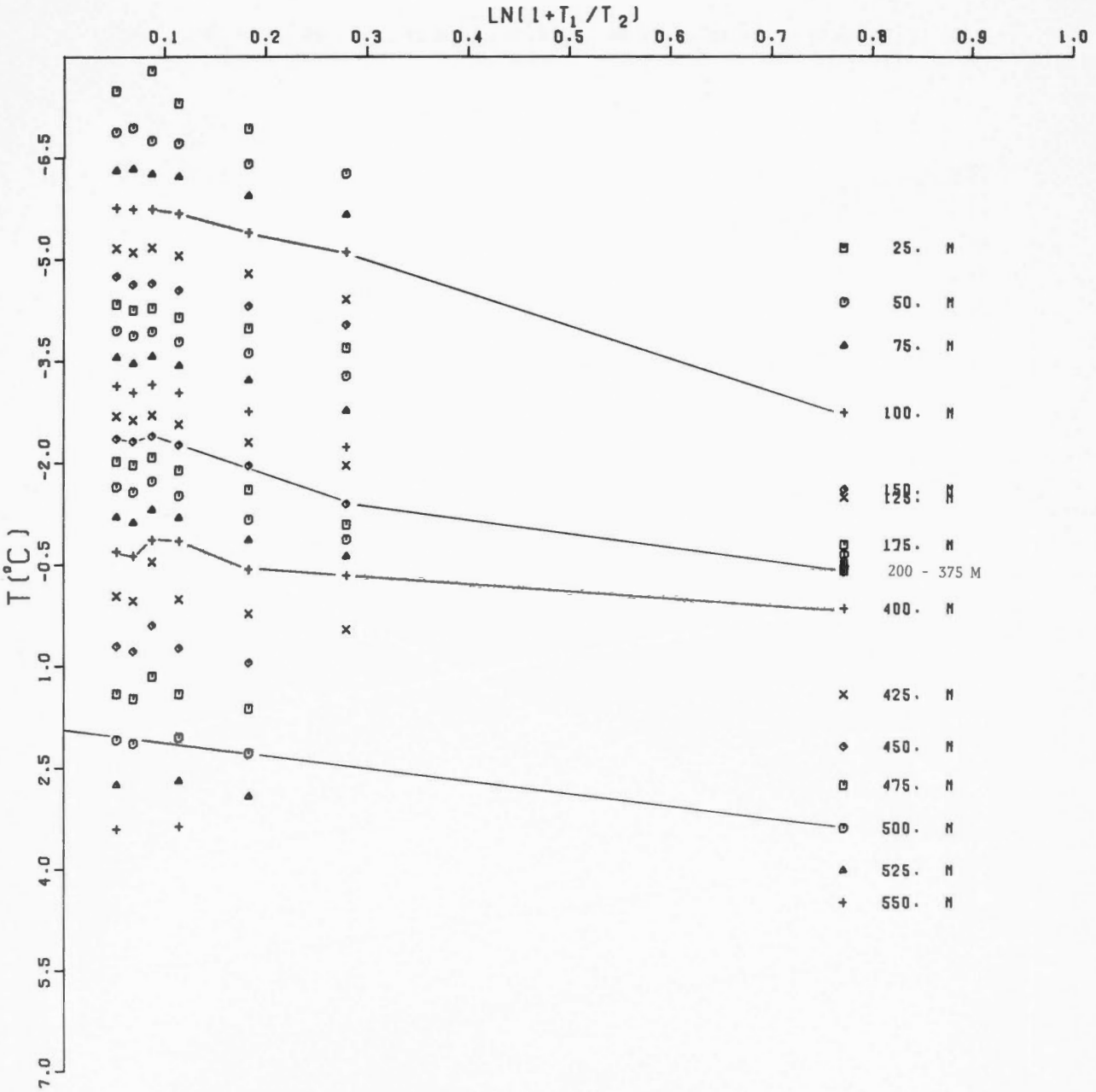
173 NIGLINTGAK H-30



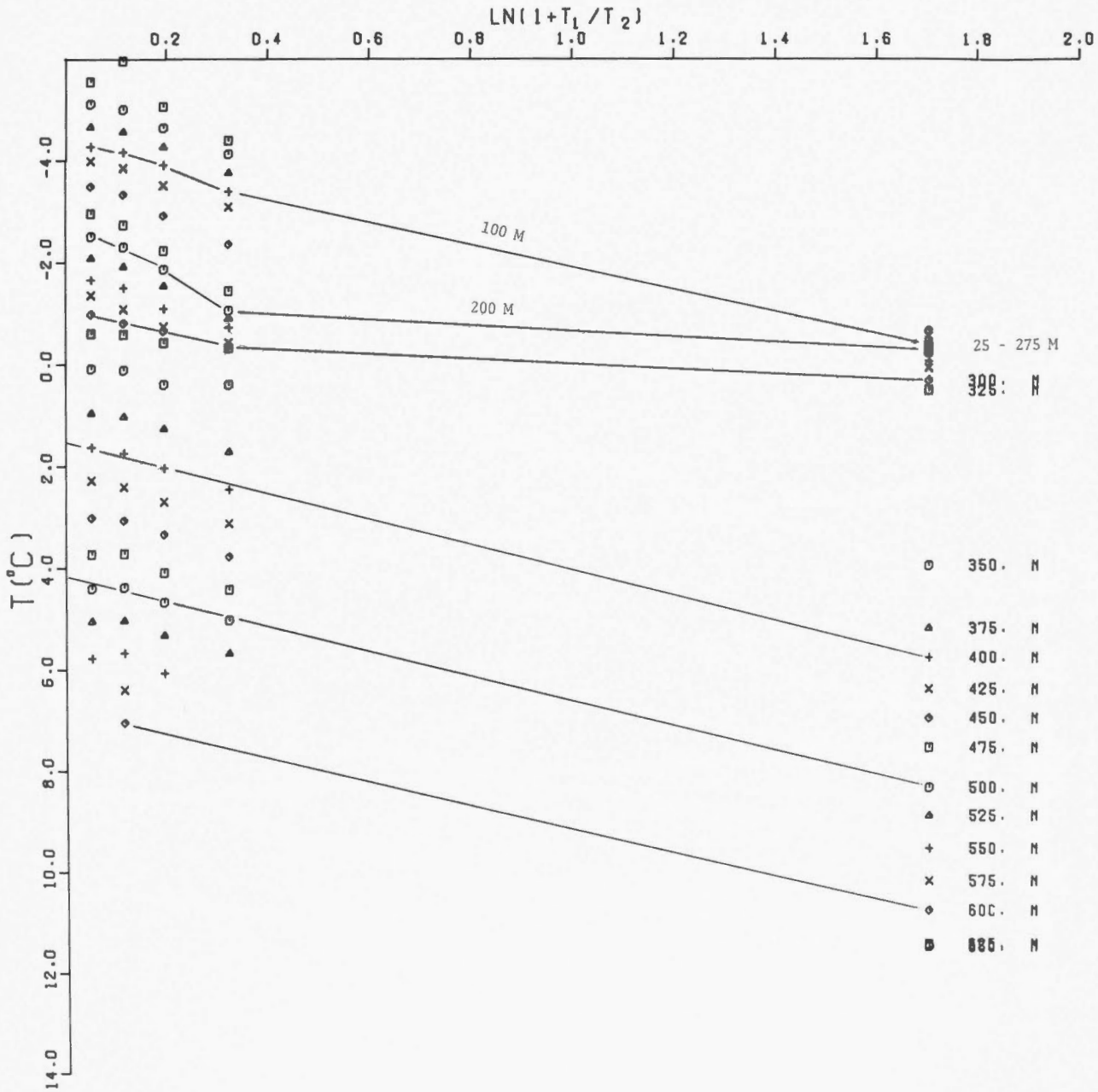
175 GEMINI E-10



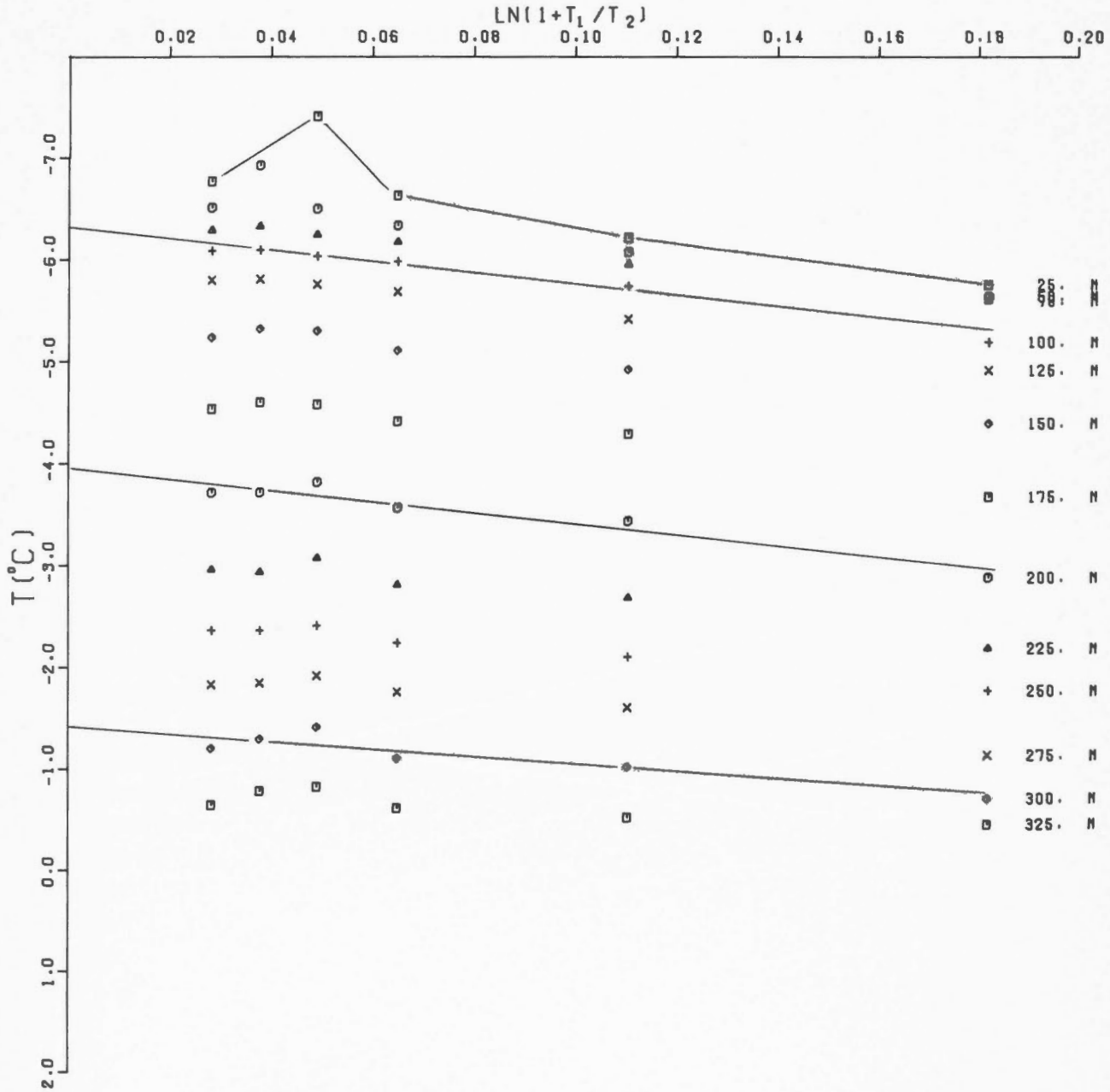
176 YA YA P-53


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)
-6.5
-5.0
-3.5
-2.0
-0.5
1.0
2.5
4.0
5.5
7.0
25. M
50. M
75. M
100. M
125. M
150. M
175. M
200 - 375 M
400. M
425. M
450. M
475. M
500. M
525. M
550. M

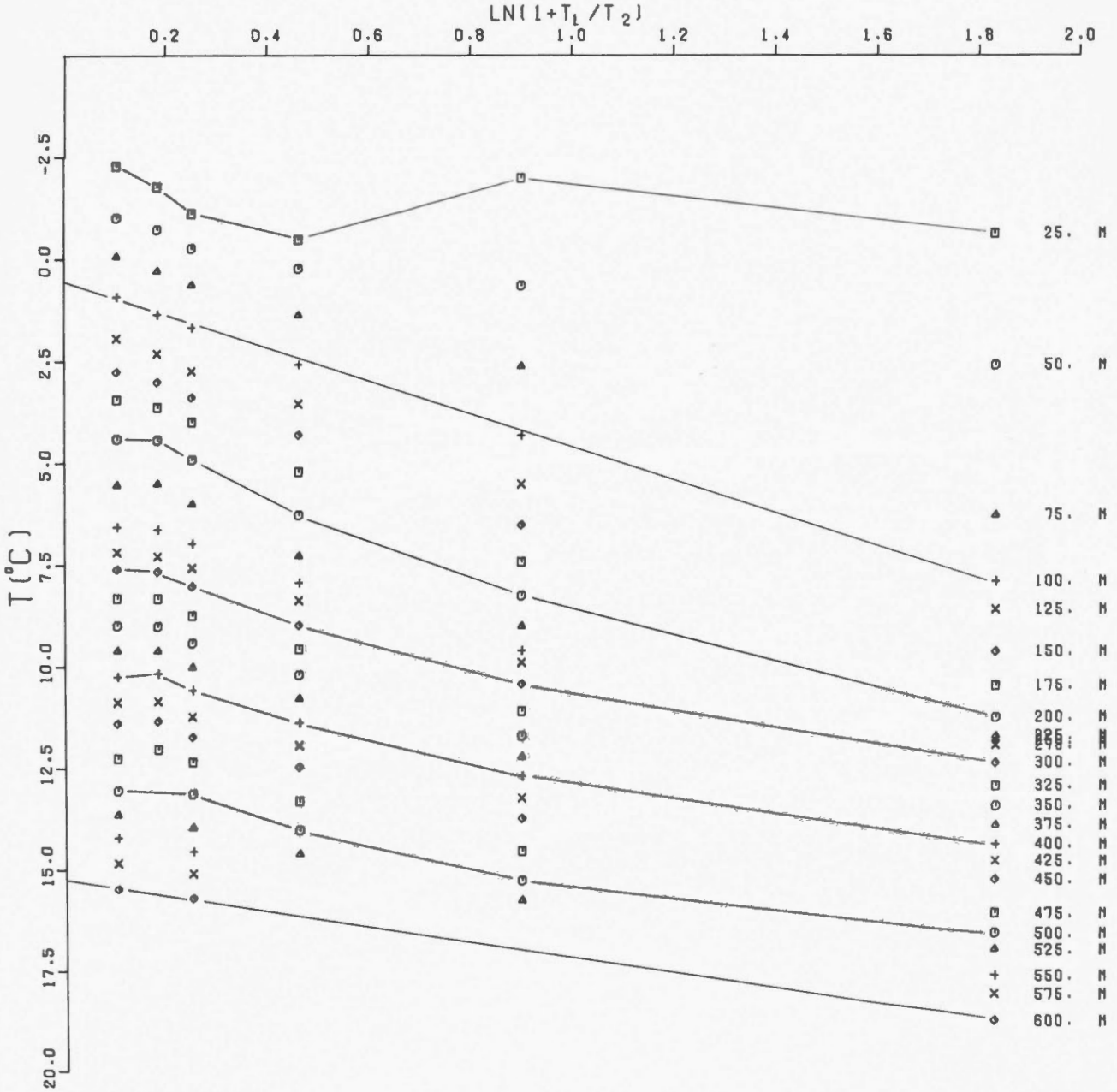
178 PARSONS N-10



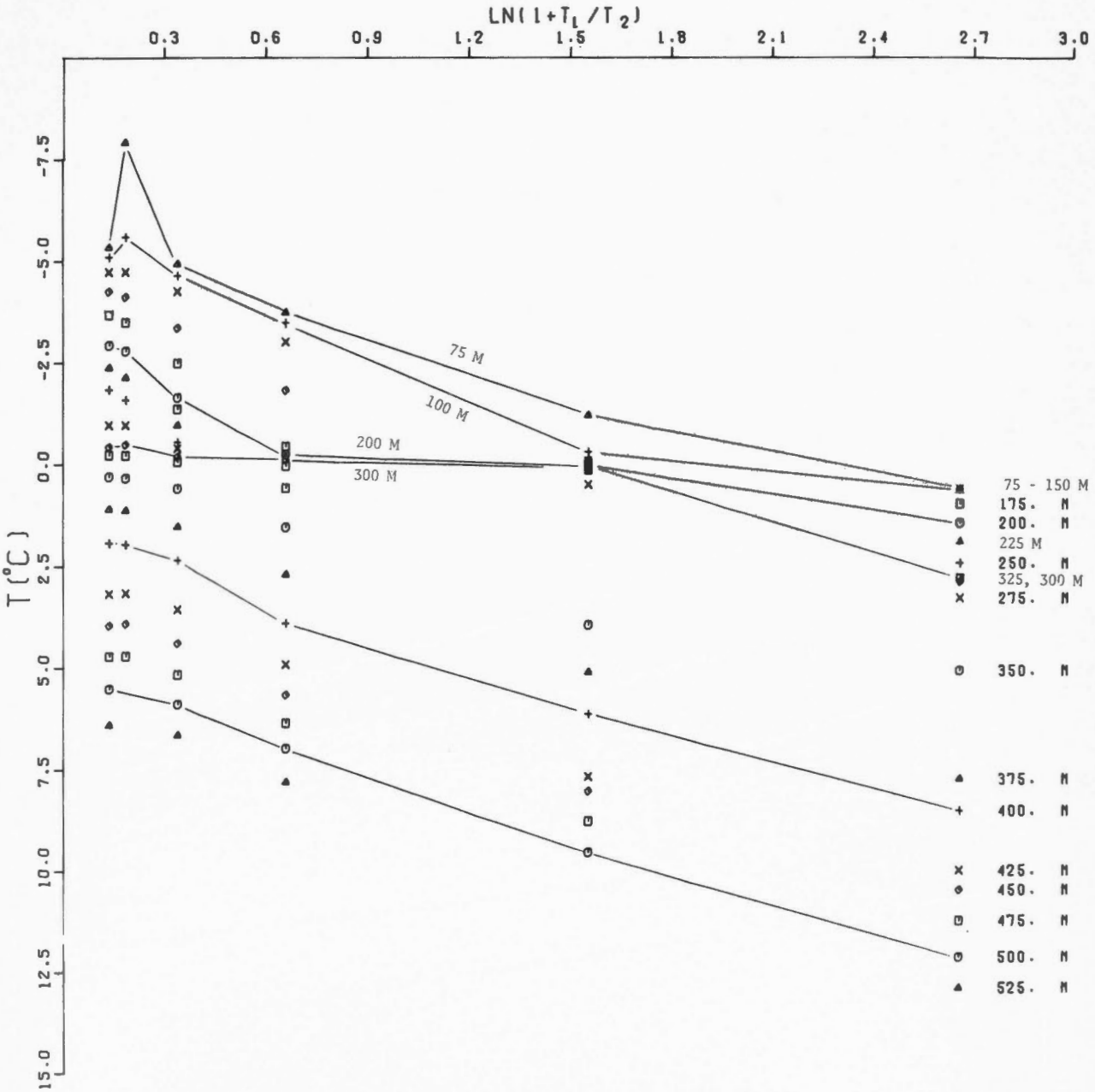
179 REINDEER F-36



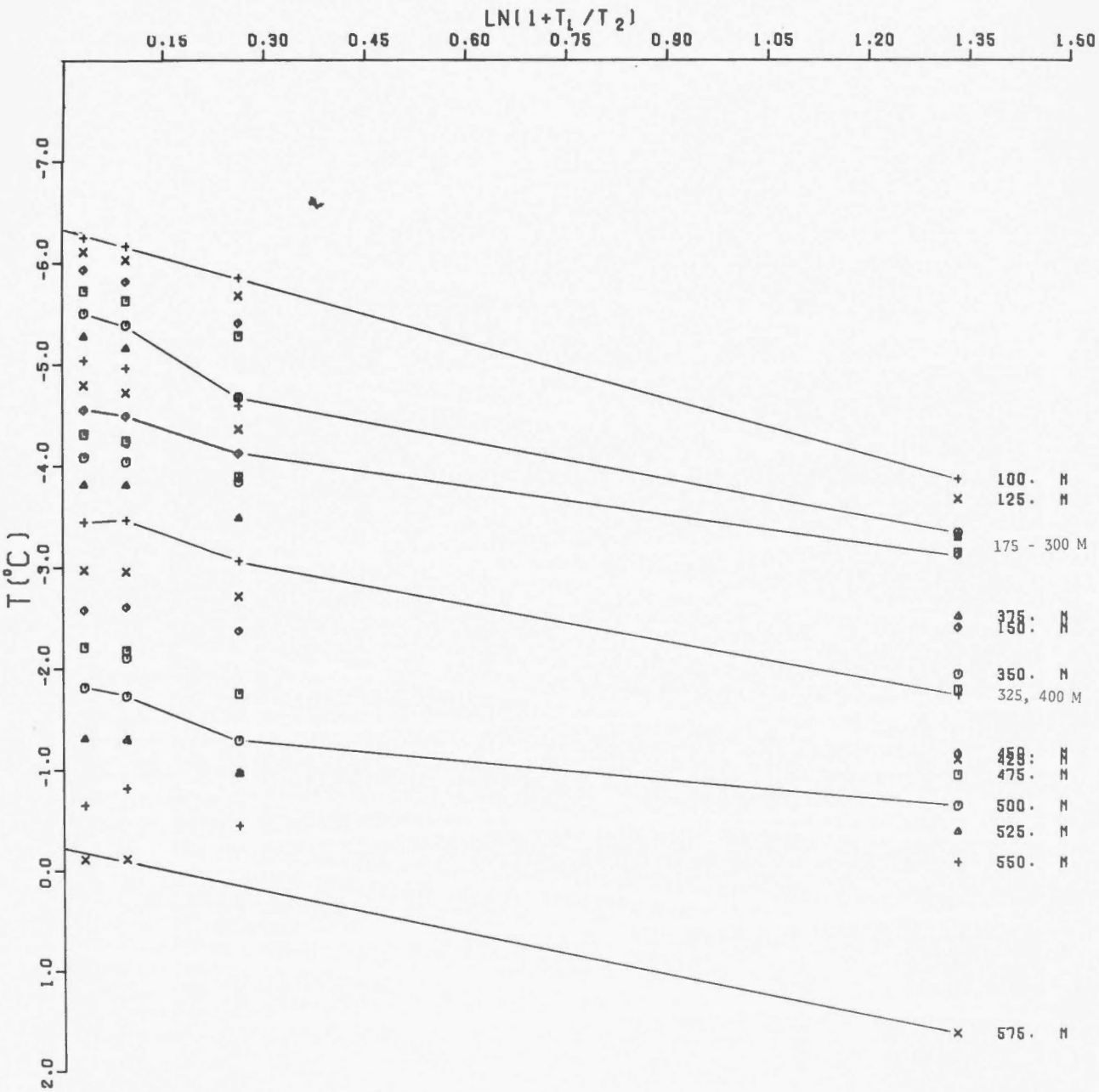
192 KUGPIK 0-13



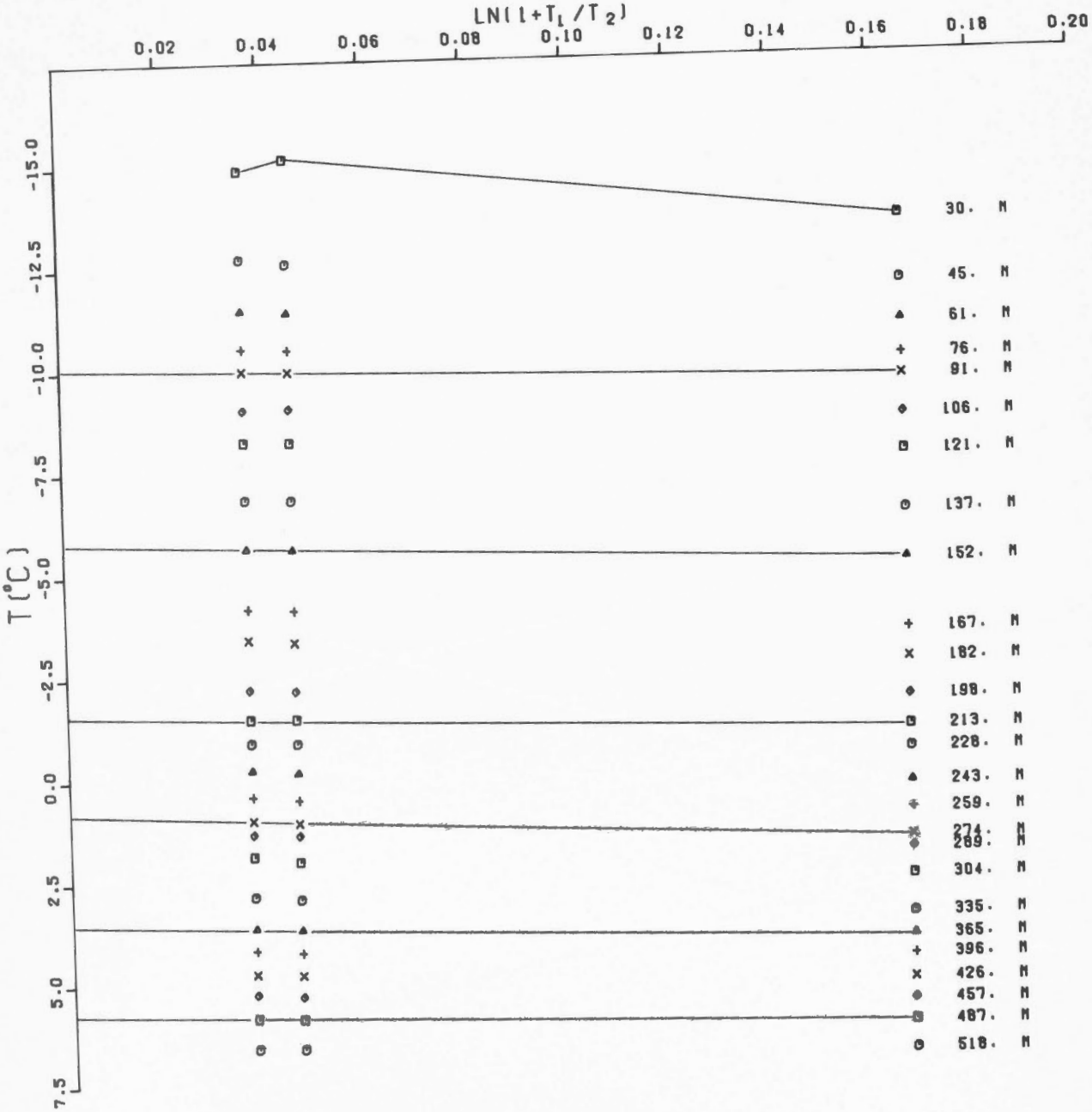
193 IKHIL I-37



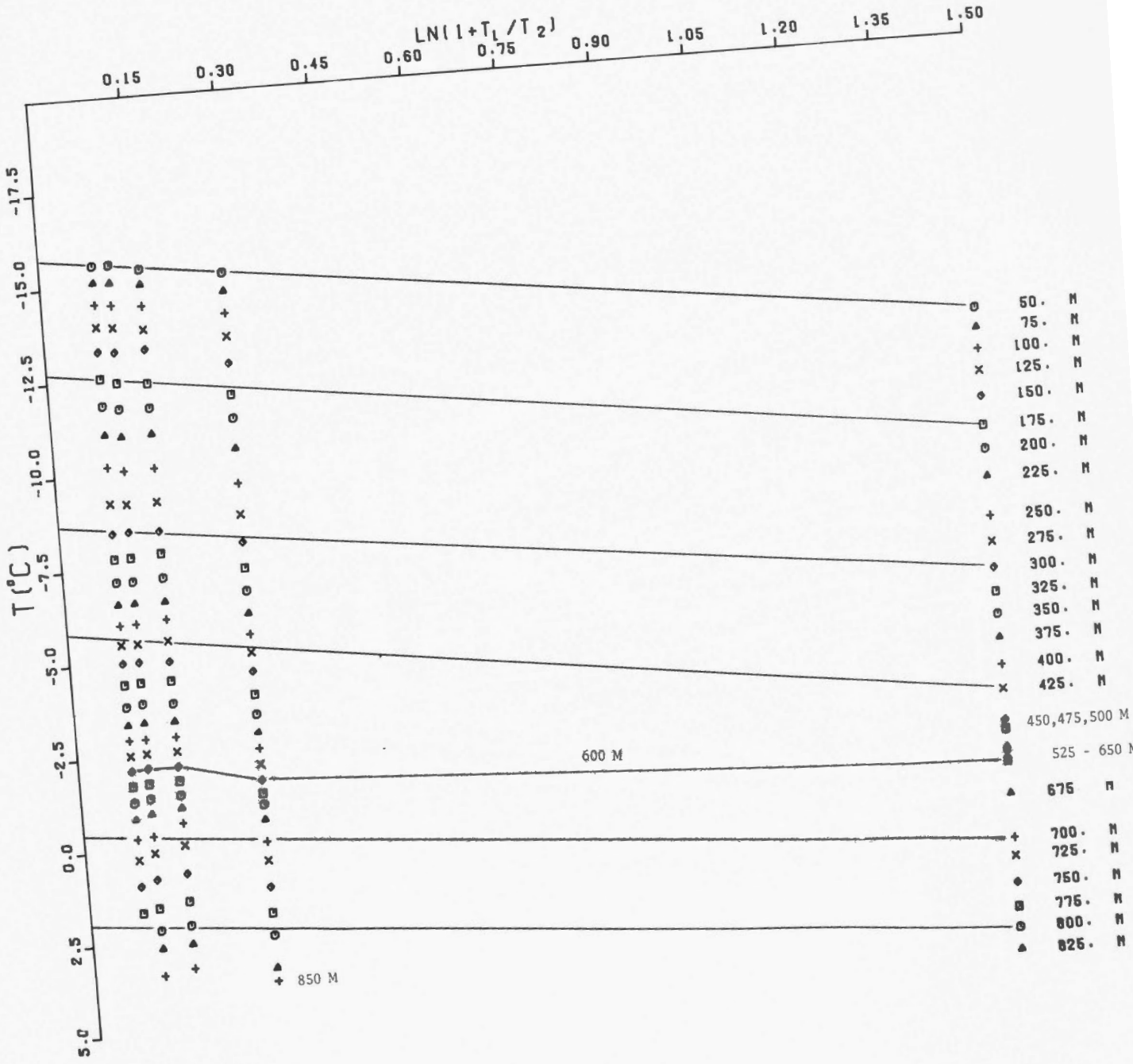
194 ATIGI 0-48



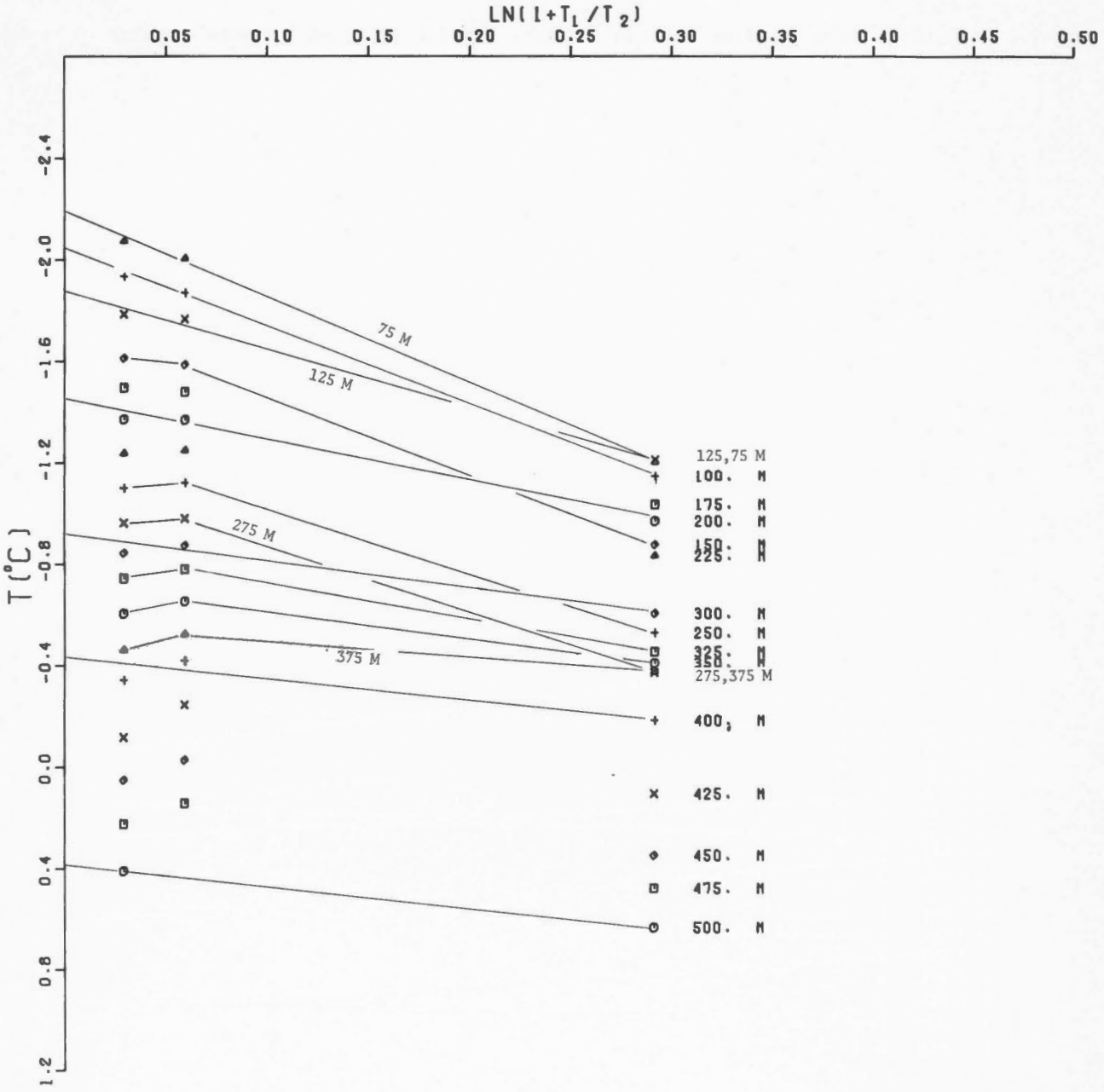
195 LINCKENS ISLAND P-46



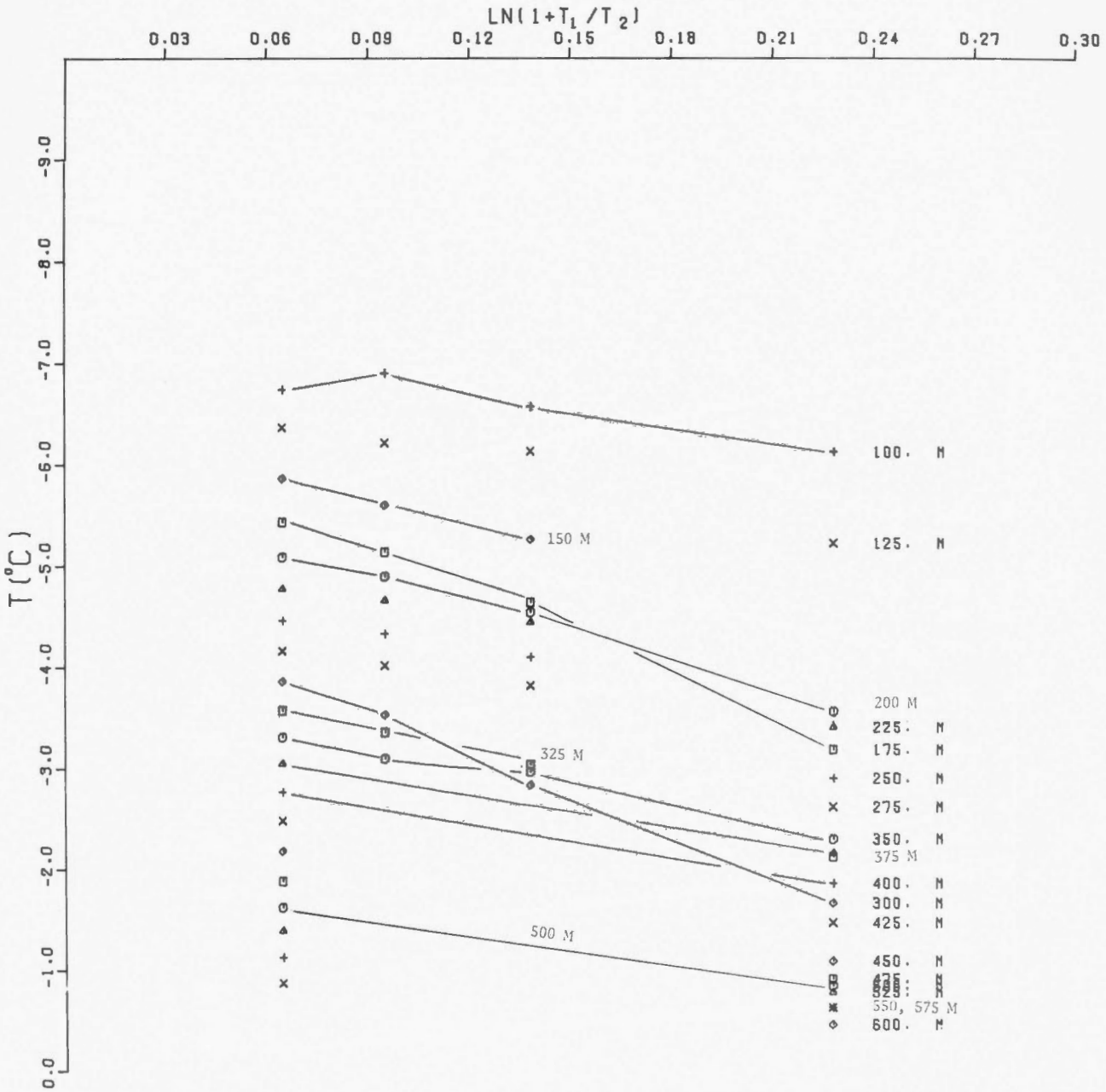
196 BENT HORN N-72



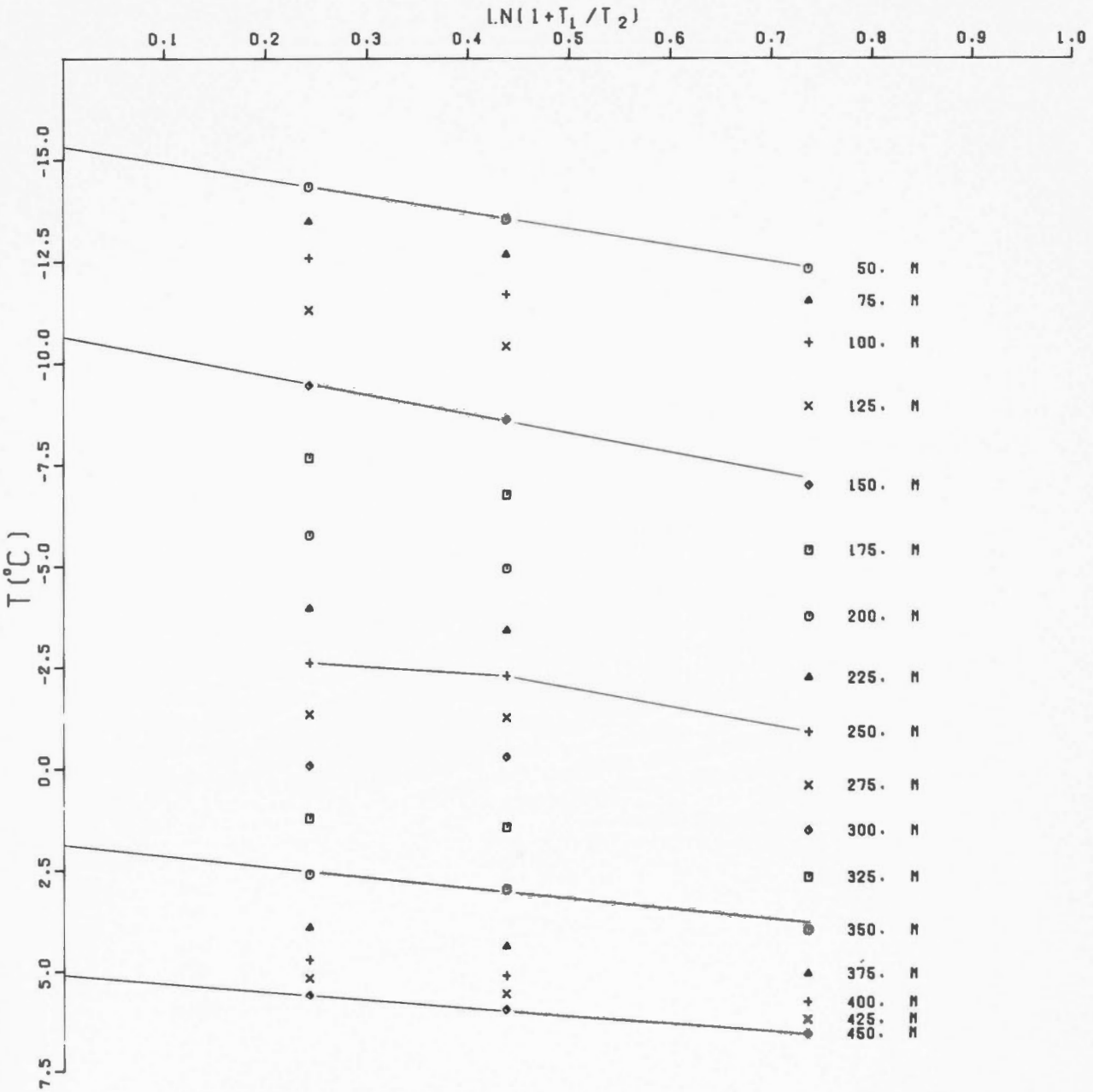
253 TEDJI LAKE K-24



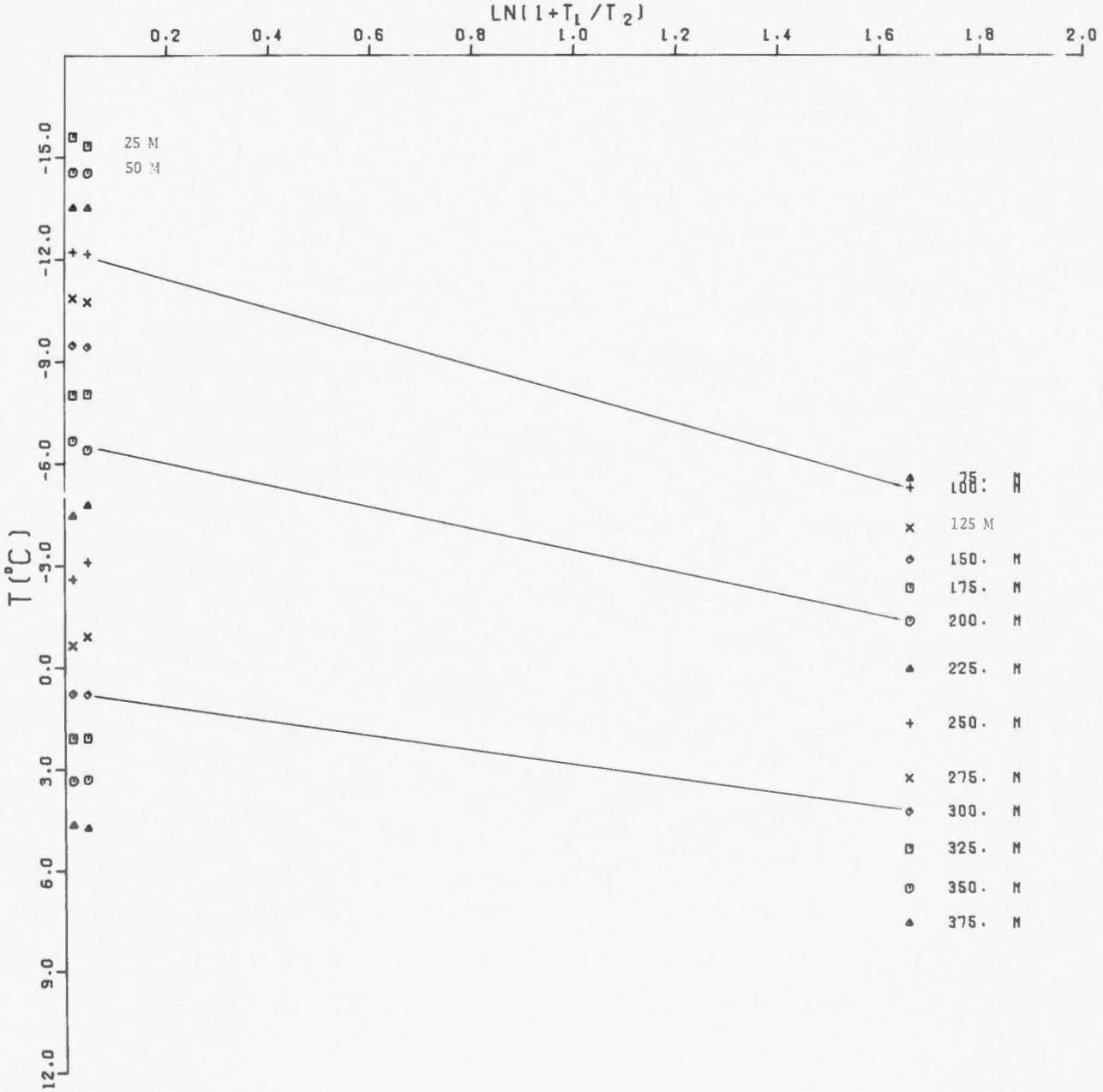
254 YA YA A-28


LN(1+T1 /T2)
0.03
0.06
0.09
0.12
0.15
0.18
0.21
0.24
0.27
0.30
T (°C)
-9.0
-8.0
-7.0
-6.0
-5.0
-4.0
-3.0
-2.0
-1.0
0.0
100. M
125. M
150 M
200 M
225. M
175. M
250. M
275. M
325 M
350. M
375 M
400. M
300. M
425. M
450. M
500 M
550, 575 M
600. M

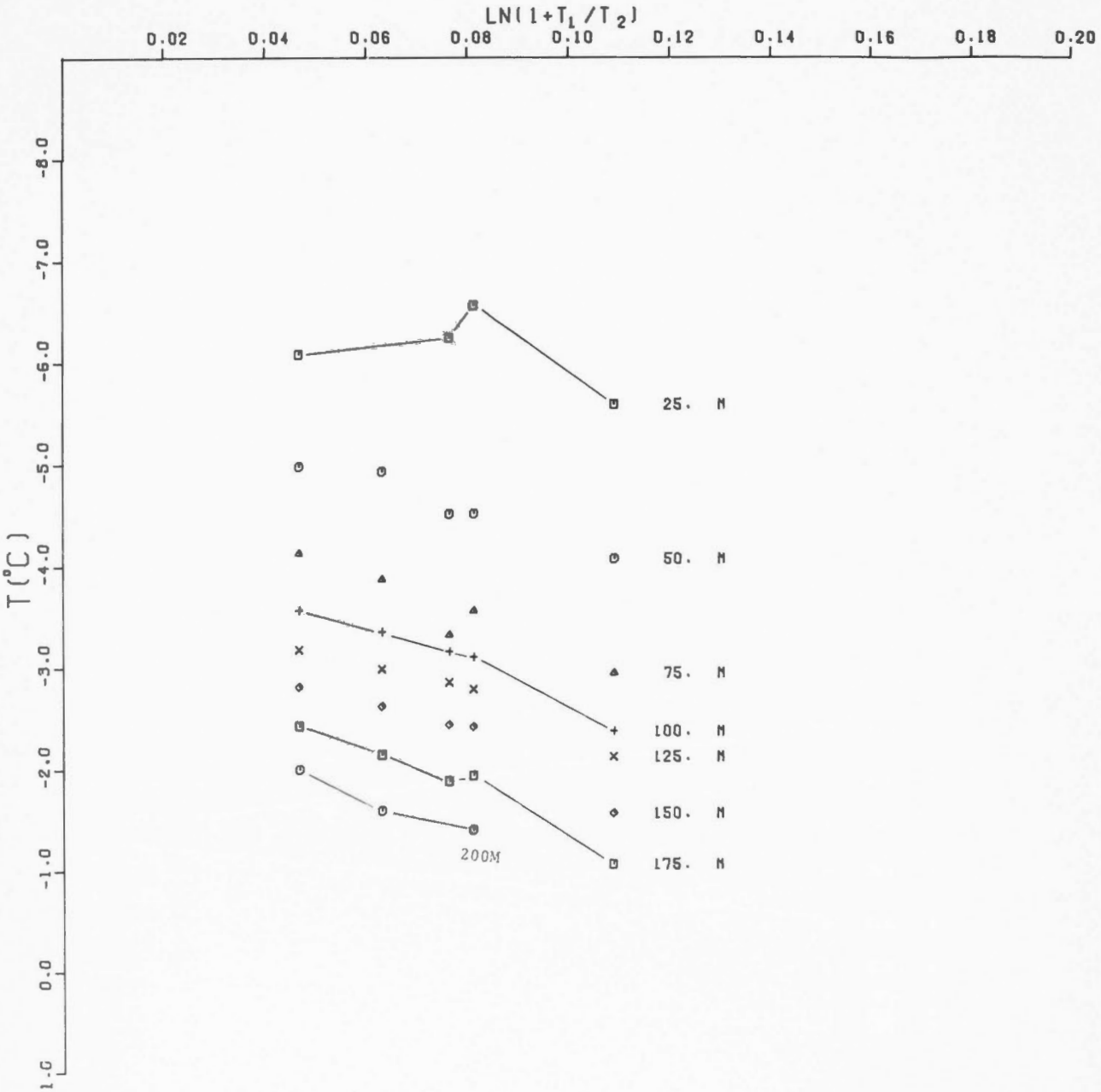
256 SUTHERLAND 0-23



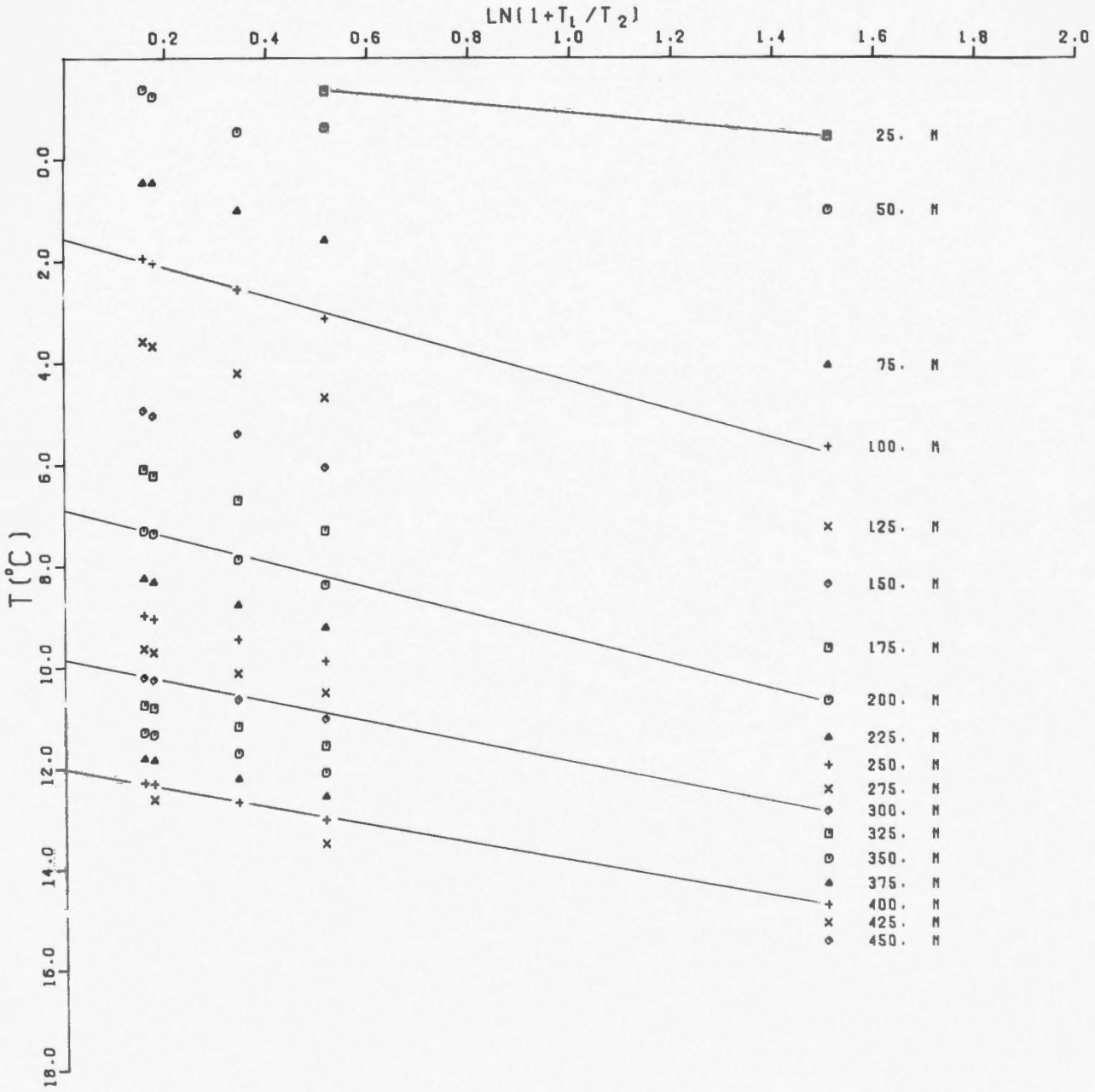
259 DRAKE D-73



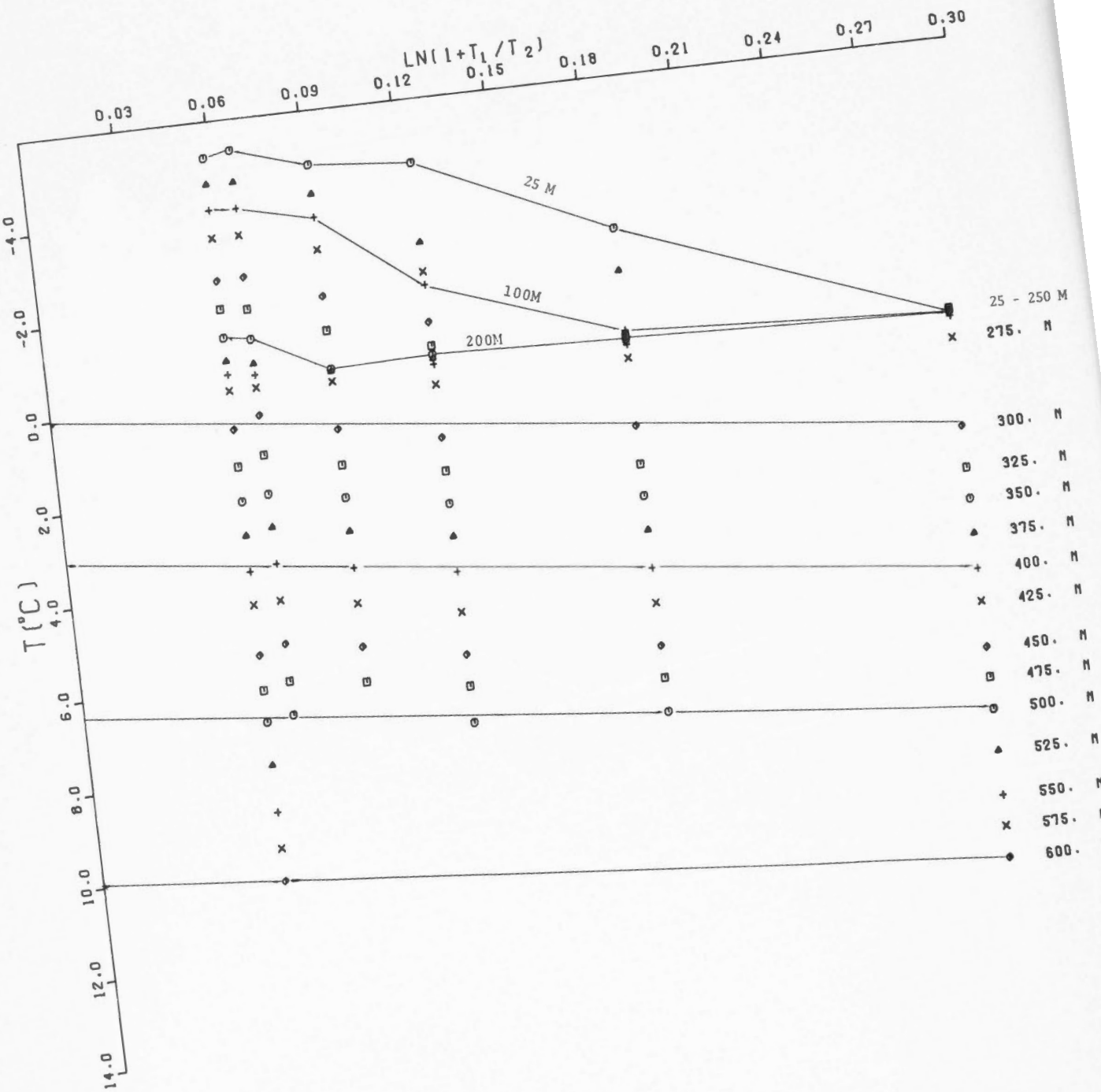
268 TAGLU D-43



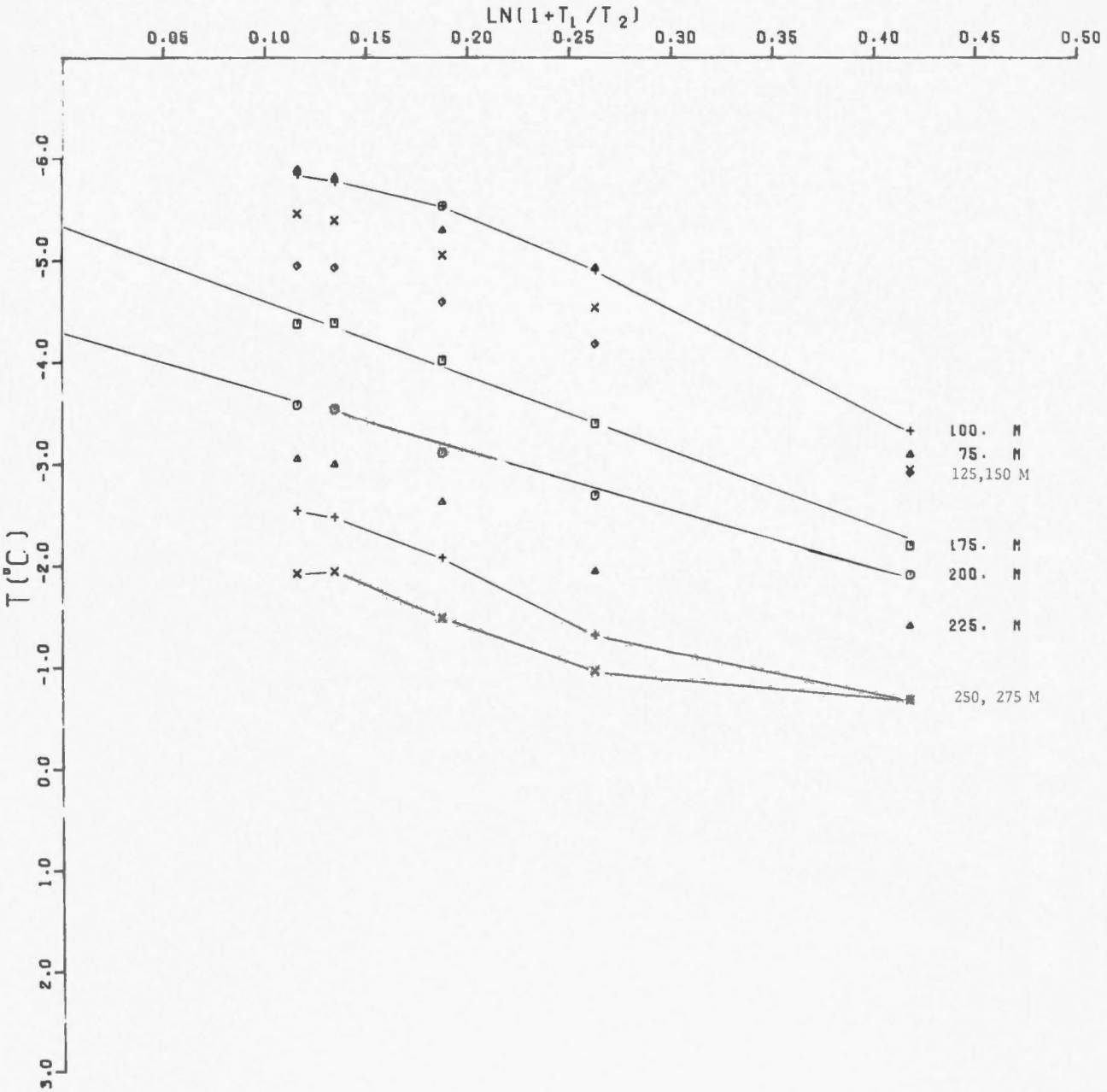
271 NORTH ELLICE J-23



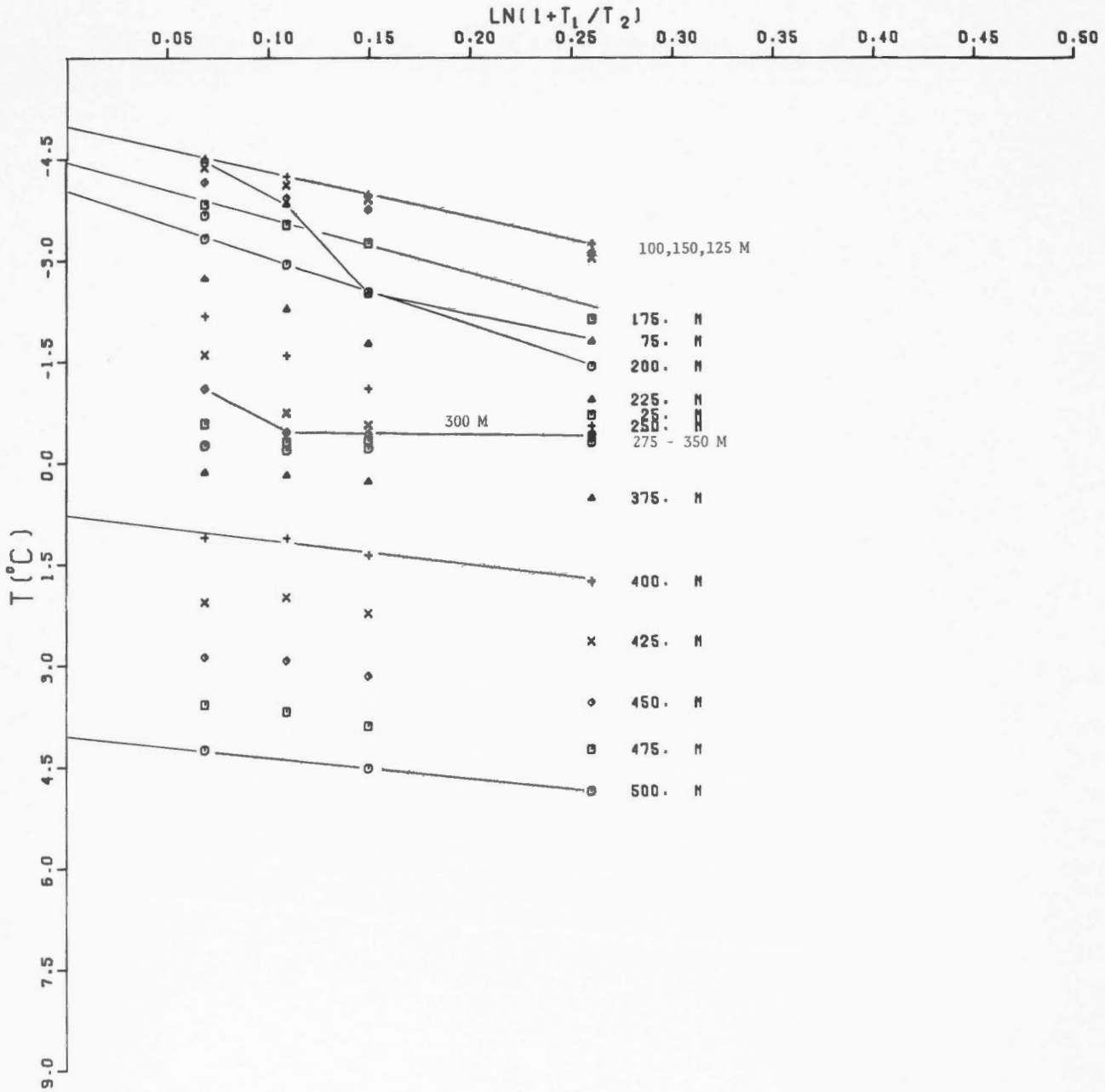
272 PARSONS L-43



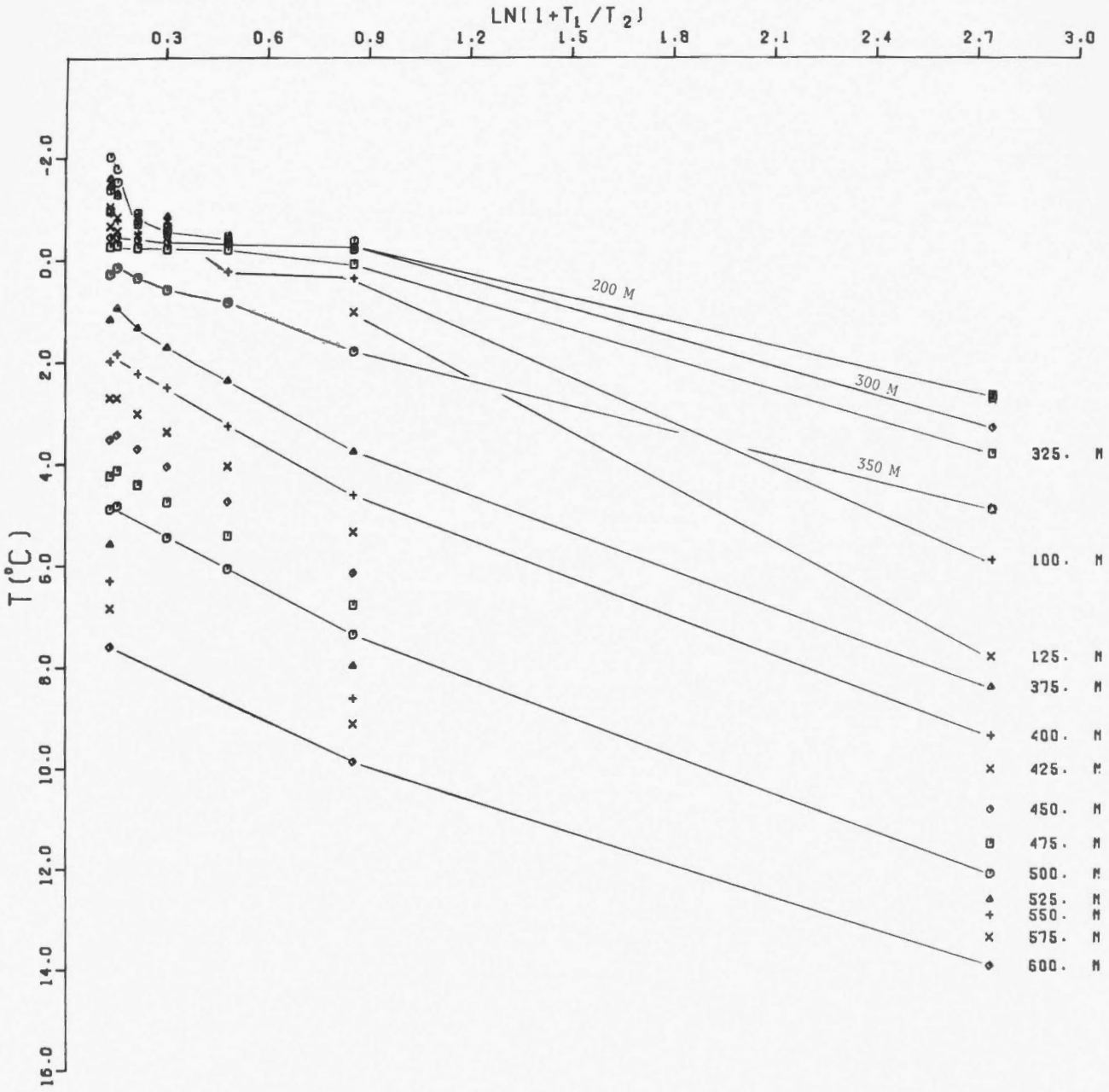
273 KAMIK D-48



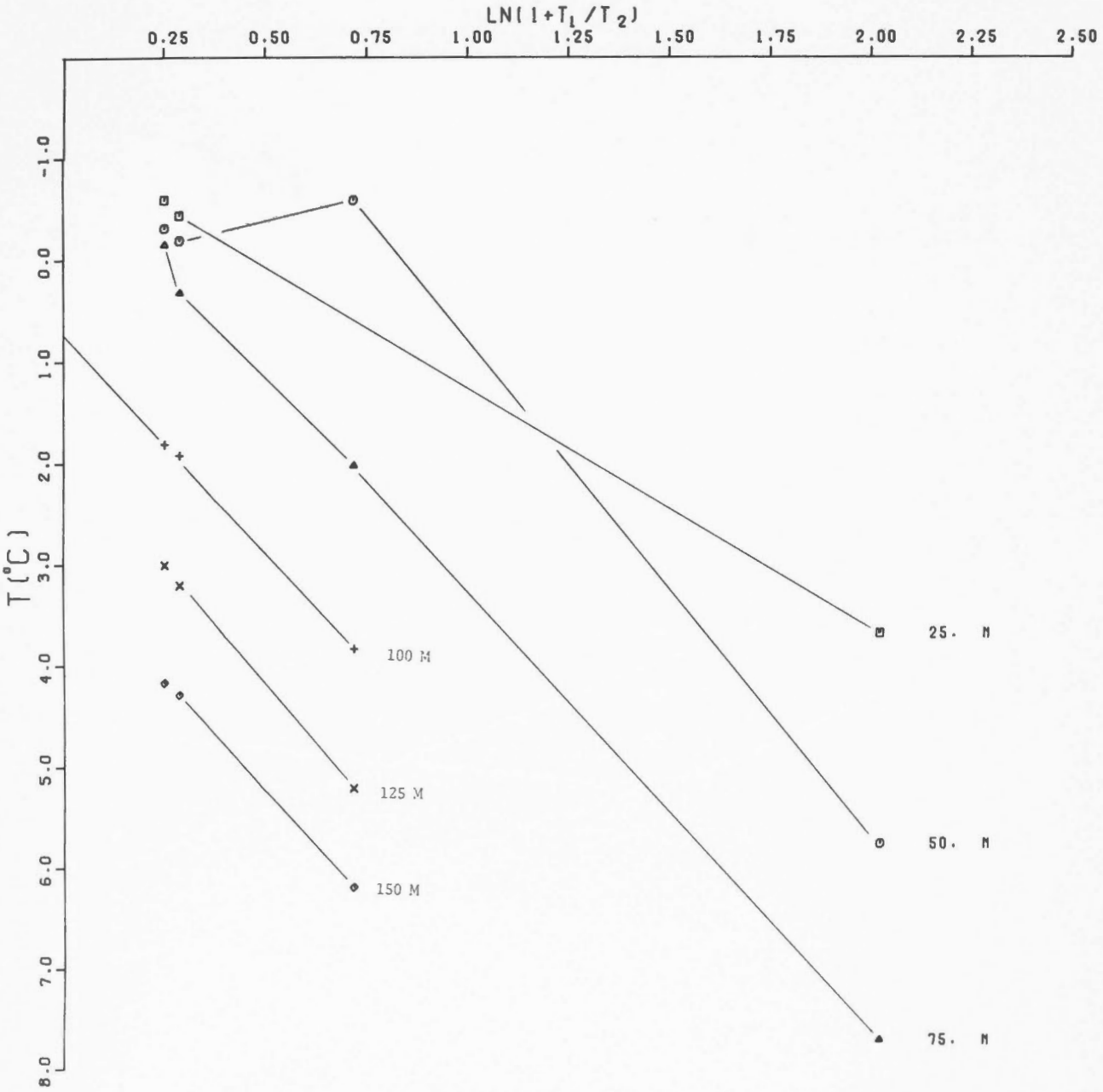
274 SIKU C-11


LN(1+T1 /T2)
0.05
0.10
0.15
0.20
0.25
0.30
0.35
0.40
0.45
0.50
T(°C)
-4.5
-3.0
-1.5
0.0
1.5
3.0
4.5
6.0
7.5
9.0
100,150,125 M
175. M
75. M
200. M
225. M
250. M
275 - 350 M
300 M
375. M
400. M
425. M
450. M
475. M
500. M

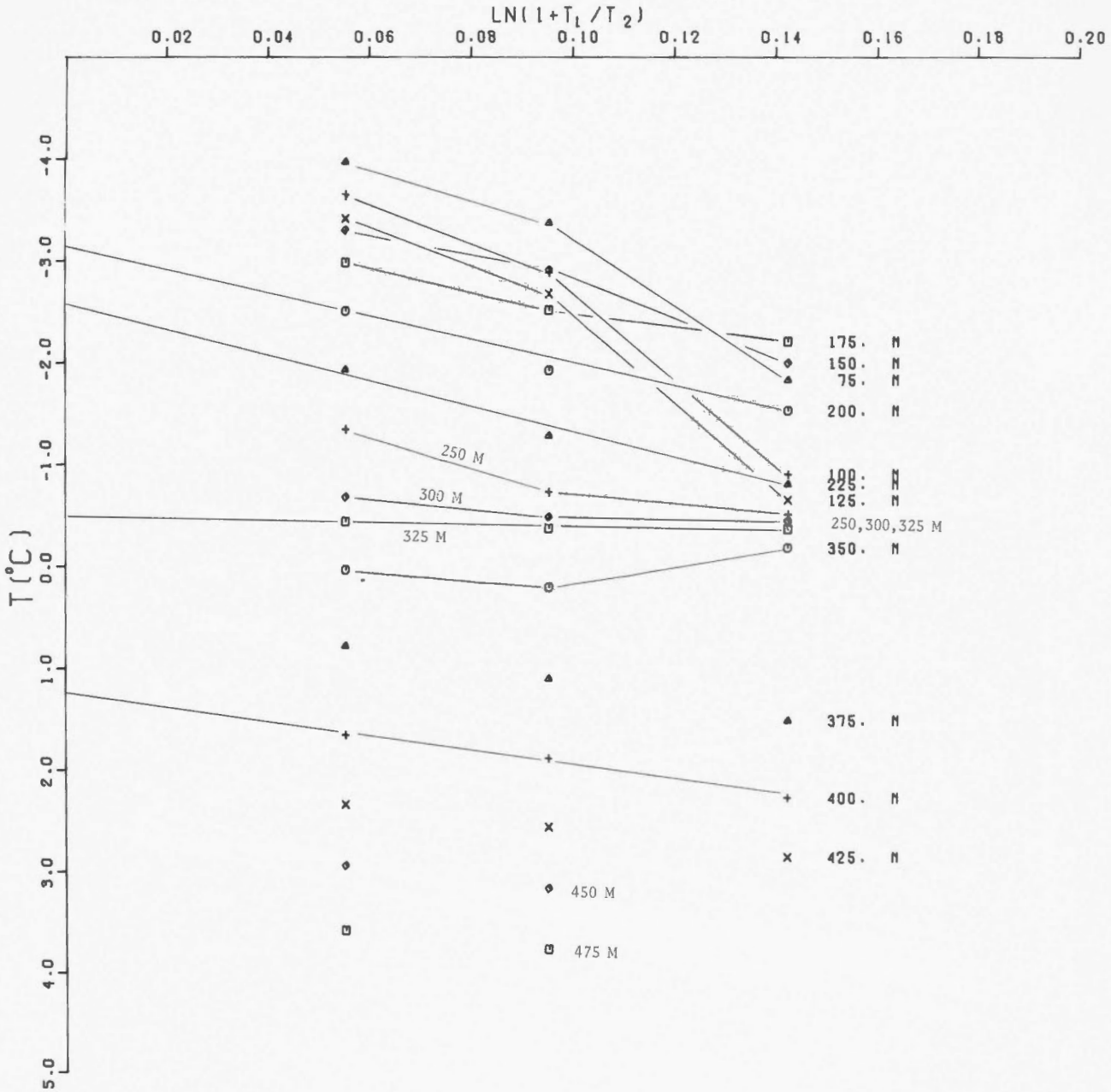
275 PARSONS N-17



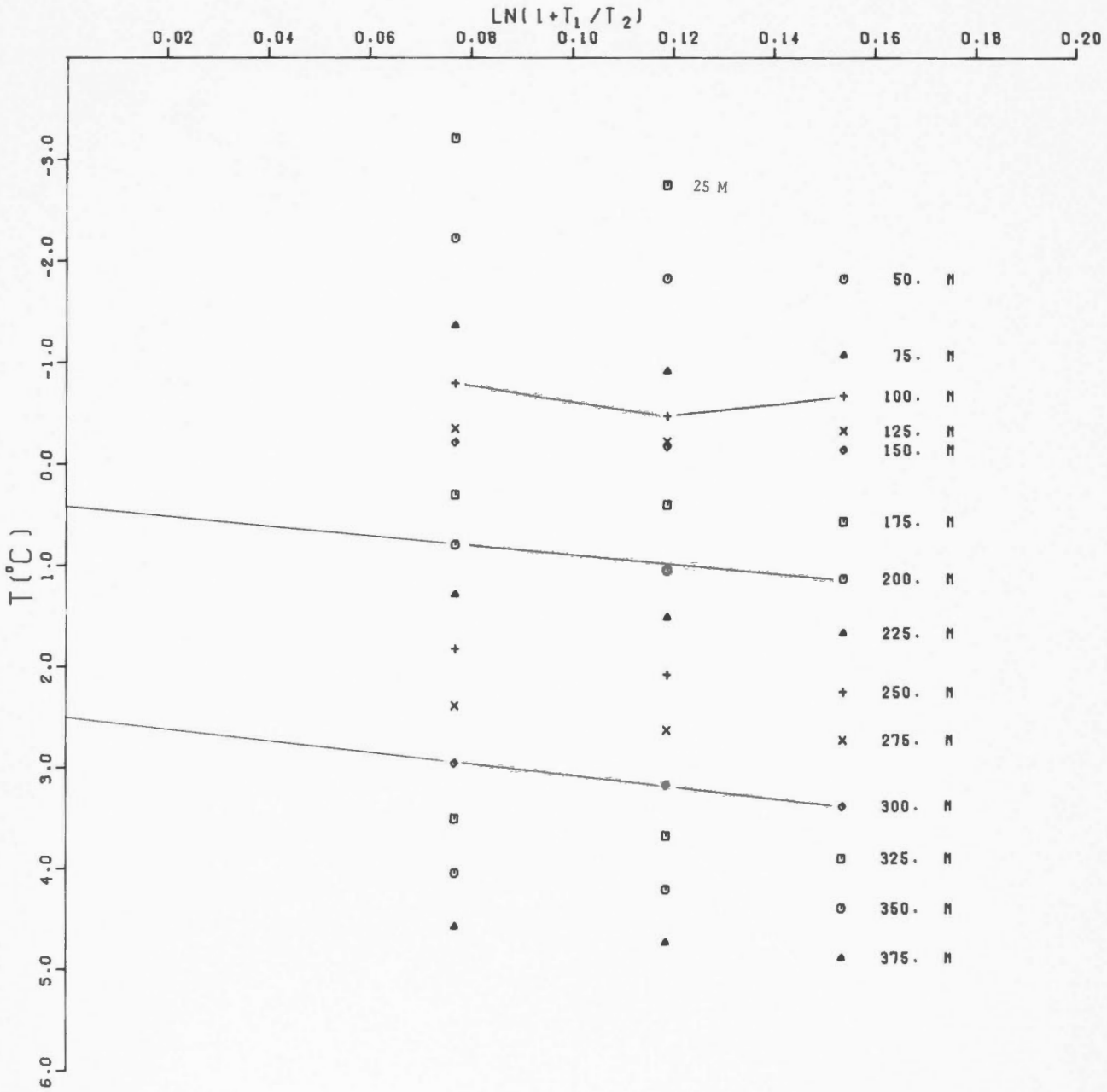
276 ULU A-35


LN(1+T1 /T2)
0.25
0.50
0.75
1.00
1.25
1.50
1.75
2.00
2.25
2.50
T (°C)
-1.0
0.0
1.0
2.0
3.0
4.0
5.0
6.0
7.0
8.0
100 M
125 M
150 M
25. M
50. M
75. M

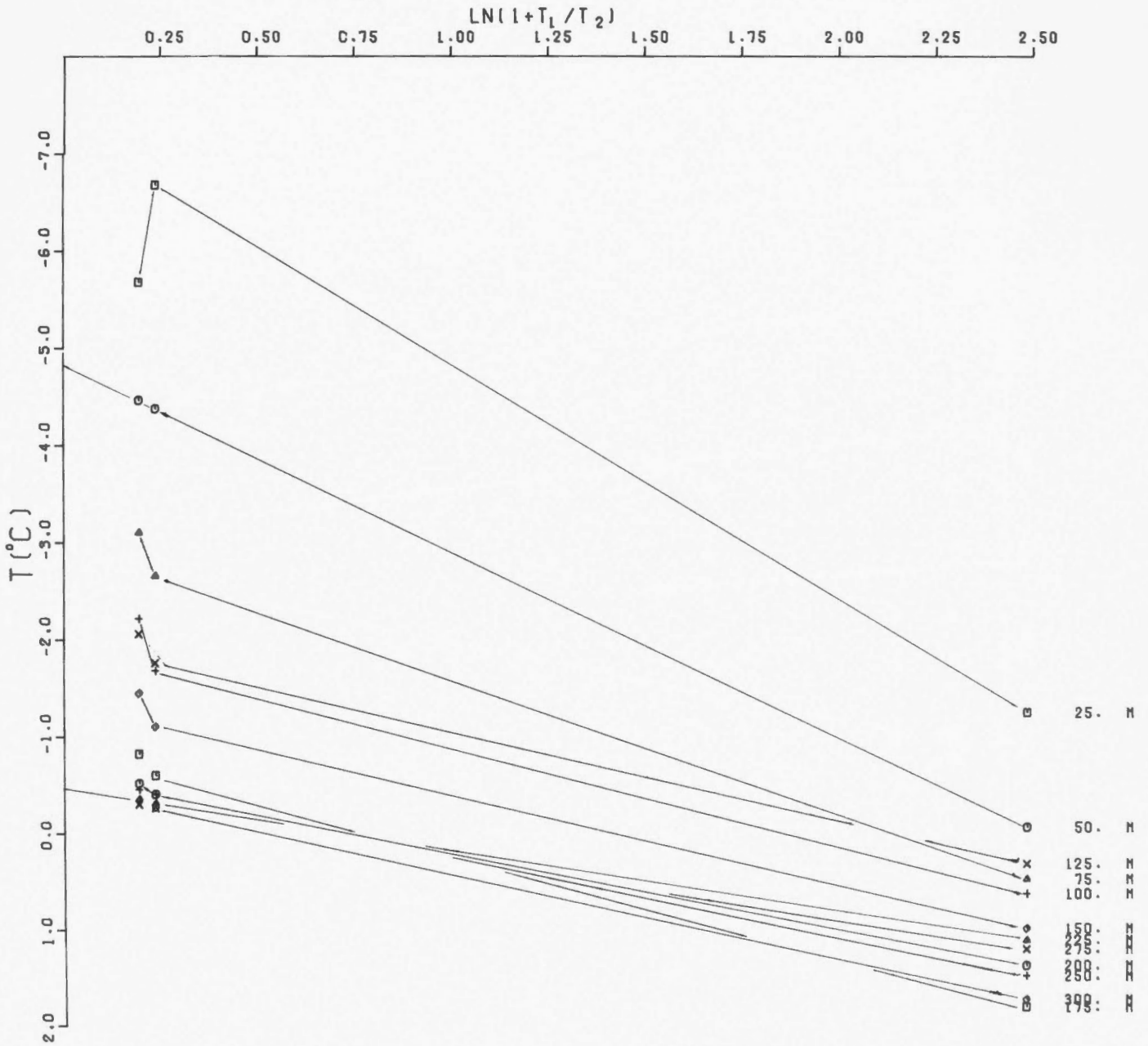
277 SIKU A-12


LN(1+T1 /T2)
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
175. M
150. M
75. M
200. M
100. M
225. M
125. M
250,300,325 M
350. M
375. M
400. M
425. M
250 M
300 M
325 M
450 M
475 M

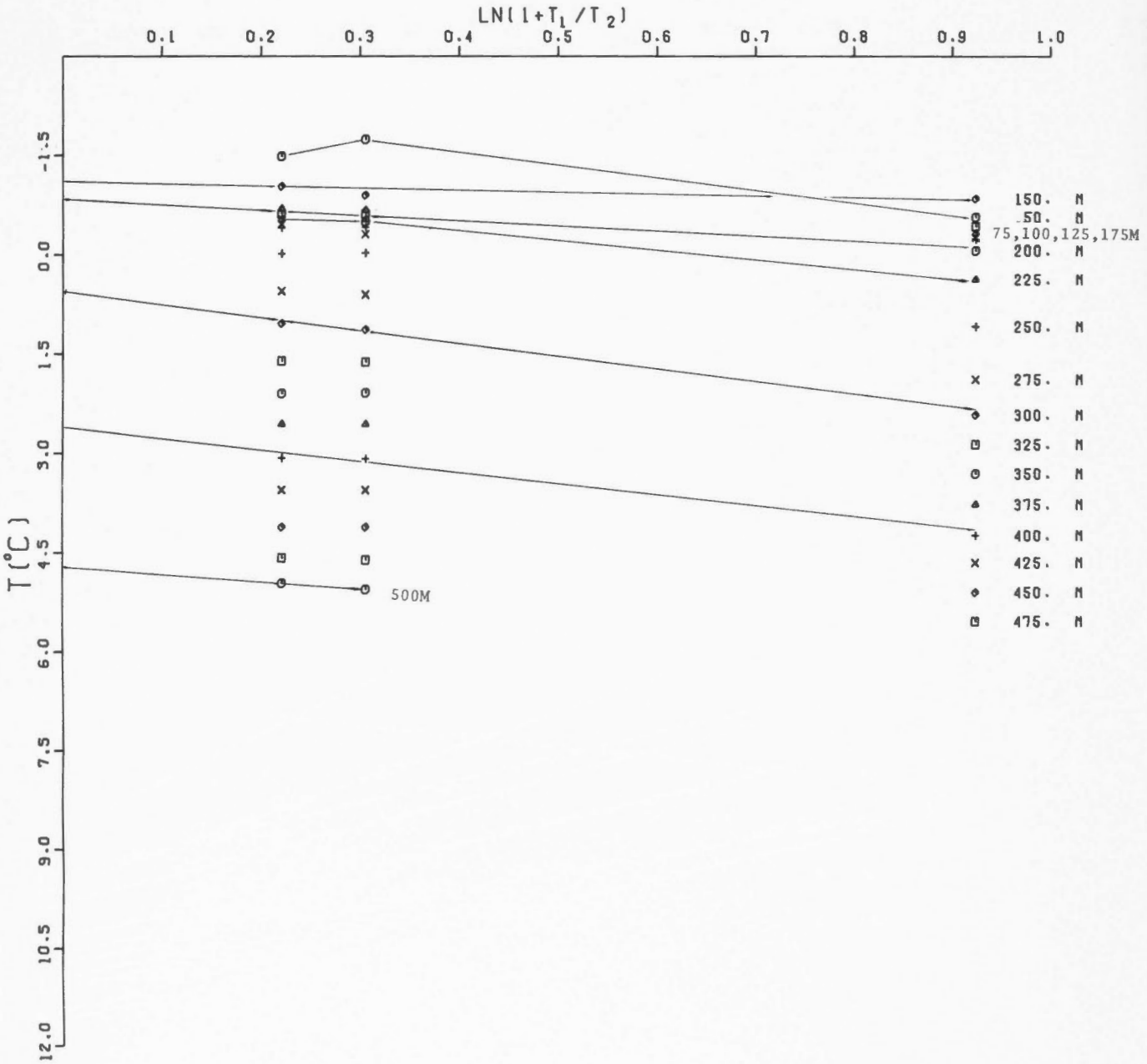
278 NIGLINTGAK B-19



279 PARSONS L-37



280 KUMAK E-58



282 TAGLU N-43