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E.L. 8/88 - LORINNA

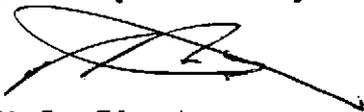
REPORT ON EXPLORATION FOR THE PERIOD

FEB. 1991 to OCT. 1991

FINAL RELINQUISHMENT REPORT

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 - Div. Mines & Mineral Resources (1)

Report No. T/91/11

September, 1991

91-3301

SUMMARY

RGCE acquired a major tenement holding in the central north of Tasmania, exploring for gold mineralisation associated with the intrusion of the Devonian Dolcoath granite. The area had been examined in the past by previous explorers who concentrated on base-metal and tin mineralisation. Significant gold mineralisation was known to occur in old workings.

Regional work completed by RGCE included:

- . interpretation of aeromagnetic and gravity data
- . geological mapping at 1:10,000 scale
- . rock chip and stream sediment geochemistry

This work failed to locate any anomalous areas other than those already known.

Detailed grid-based studies were conducted on three areas:

1. Round Mountain
2. Five Mile Rise
3. Mount Jacob

Overall the results were disappointing. The most recent work concentrated on the Mount Jacob grid exploring for possible VMS mineralisation. The results of this work are detailed in this report.

The disappointing results combined with limited funds and more interesting prospects within other tenement areas resulted in the decision to relinquish this tenement.

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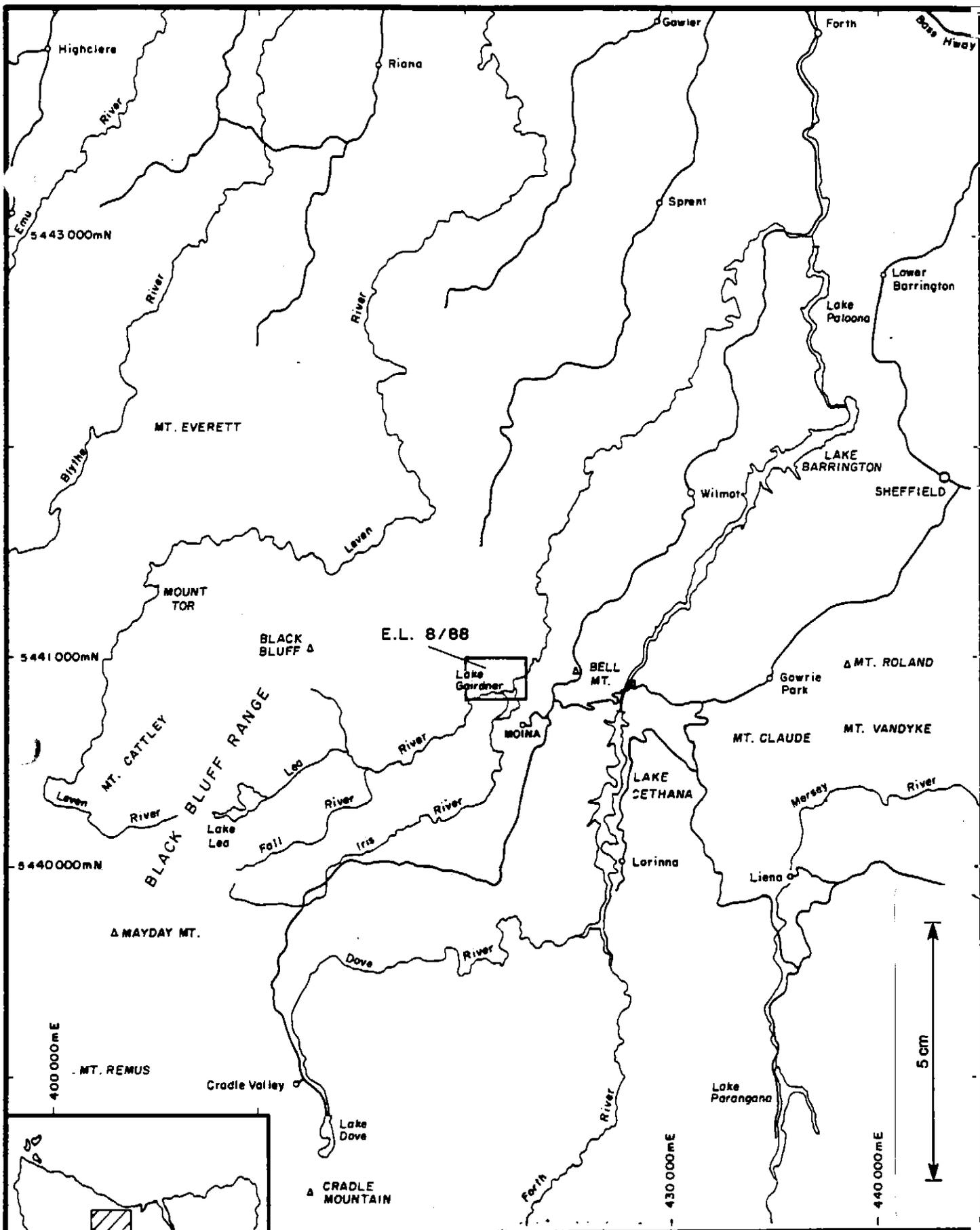
1. Expenditure
2. A Summary of Geophysics from the Mount Jacob Prospect, Northern Tasmania (R. Deakin).
3. Assay Results - Rock Chip Samples
4. Processing of Magnetics and Radiometrics for the Moina-Housetop area, Tasmania for RGC Exploration Pty. Limited. (R.N. Walker).

1. INTRODUCTION

The last Annual Report for E.L. 8/88 - Lorinna (Castro, '90) presented data pertaining exclusively to the retained part of this Licence, which covers the Mount Jacob grid sector.

The mentioned report recommended some further investigations to be carried out during the first part of this year. The additional work involved mainly a T.E.M. survey, and aimed at a more conclusive assessment of the area retained in E.L. 8/88. (Figure 1)

This report compiles the results of the final work achieved in the Mt. Jacob grid sector and reviews all of the work completed to date by RGCE on E.L. 8/88.



MT. EMMETT

RGC EXPLORATION PTY. LIMITED
(INC. IN N.S.W.)

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DATE	
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REFERENCE	

MT. JACOB
LOCALITY MAP
138007

2. EXPLORATION PHILOSOPHY

Central northern Tasmania was considered to possess potential for the discovery of commercially exploitable gold mineralisation. Previous modern explorers had concentrated on tin and base-metal mineralisation, and was therefore underexplored for gold. Recent work being undertaken on adjacent tenements by RGCE had recognised a number of significant gold prospects (i.e. the Higgs workings at Narrawa Creek and the Stormont bismuth-gold skarn).

The gold mineralisation is known to be associated with the Devonian Dolcoath granite and is hosted by Ordovician Moina sandstone or metasomatised Gordon limestone. The work planned to locate an economic deposit included:

- (i) compilation of previous work;
- (ii) regional geological mapping and geochemistry;
- (iii) model the form of the granite roof and the Tertiary basalt cover thickness by analysing regional magnetics and gravity data; and
- (iv) areas recognised on which to conduct detailed grid based techniques.

The area is also considered attractive for Cambrian volcanogenic-hosted massive sulphide mineralisation and Renison-style metasomatic tin-replacement mineralisation.

3. LAND TENURE

EL 8/88 - Lorinna was granted on 22nd August, 1988. It was comprised of three (3) separate areas totalling 55 sq kms. Approximately 20 sq kms was privately owned with the remainder being State Forest, uncommitted Crown Land and HEC vested (1 sq km). Excluded was a one (1) sq km exploration tenement, EL 38/88, and two (2) 25 hectare prospecting licences.

In June, 1989 two (2) additional adjacent tenements, EL 6/89 (previously ETA 58 - Moina) and EL 17/89 (open ground near Bell Mountain), were amalgamated into EL 8/88. They represented 5 sq kms and 2 sq kms respectively and brought the total area of EL 8/88 up to 62 sq kms.

EL 36/88 - Round Mountain was an adjacent tenement to the north of EL 8/88. The two were explored as a single coherent block, so approval was given by the DMMR in October, 1989 to submit a joint report on these tenements.

EL 9/90 - Tin Spur (previously EL 38/88) was granted and amalgamated into EL 8/88 in May 1990. The total area was then increased to 63 sq kms.

In December, 1990 57 sq kms were relinquished. The 6 sq kms retained covered the Mt. Jacob grid area.

4. EXPENDITURE

Total expenditure on EL 8/88 for the period covered by this report totalled \$48,982.

A detailed breakdown of this amount is presented in Appendix 1.

5. PREVIOUS WORK

5.1 Work Completed Sept. 1988 to Aug. 1989

RGCE acquired a major holding in the central north of Tasmania around Moina/Lorinna. Five adjacent tenements were explored as a single coherent block. Work completed on EL 8/88 has been reported jointly with that completed on EL 36/88.

An infill gravity survey was completed by the Department of Mines.

A comprehensive review of the regional aeromagnetics (Shell 1980 survey) and gravity data was completed by Dr. D. Leaman. It was a worthy exercise on a broad scale. Structures were recognised that could act as conduits for mineralising solutions. A model of the granite roof form and the location of possible Tertiary deep leads resulted. Responses within the data over known mineralisation sites led to similar responses being identified remote to these. However, no specific target areas were generated. The collection of a more detailed data set was recommended. An aeromagnetics survey planned for April, 1989 was cancelled due to severe magnetic storm disturbances and deteriorating weather conditions.

A regional programme of geological mapping, rock chip sampling and minus 200 mesh/panned-concentrate stream sediment sampling was completed by contract geologist Wally Herrmann. The mapping was undertaken at 1:10,000 scale. A number of rock chip samples were collected, but only five (5) covered by ELs 8/88 & 36/88 were submitted for analysis. 84 stream sediment samples were submitted for analysis to Becquerel Laboratories for neutron activation analysis, 30 elements were assayed for. The

results of this work failed to locate any anomalous areas other than those already known.

Grids were established in three (3) areas totalling 68.8 line kms. A summary of the work completed on each grid follows:

- (i) Round Mountain
 - the grid was tape and compassed
 - geologically mapped at 1:5000 scale
 - 23 rock chip samples submitted for analysis
 - 990 C-horizon soil samples collected at 25 metre spacing submitted for analysis.
 - petrological examination of 4 samples by AMDEL.
 - ground magnetics survey completed: currently being processed
 - an orientation gradient array IP survey completed.

- (ii) Five Mile Rise
 - the grid was tape and compassed
 - geologically mapped at 1:5000 scale
 - 35 rock chip samples submitted for analysis
 - 836 C-horizon soil samples collected at 25 metre spacing submitted for analysis: results awaited
 - petrological examination of 9 samples by AMDEL
 - ground magnetics survey completed: currently being processed

- (iii) Mount Jacob
 - in the process of being tape and compassed.

Outcrop was generally scarce in all areas, however the geological mapping and geochemistry failed to locate any significant anomalies for the elements analysed for - Au, Cu, Pb, Zn, Ag, Bi, As and Sn. The orientation IP

programme at Round Mountain returned anomalous results, so a full survey was recommended.

Due to the large number of private land owners within the tenement areas, a programme was initiated whereby each landowner was visited and information given in regard to the commodities sought and the type of work planned. This was generally very well received.

5.2 Work Completed Sept. 1989 to July 1990

Work concentrated on the areas previously gridded:

- (i) Round Mountain
- 11 additional rock chip samples were collected
 - 92 wacker (bedrock) samples were collected to test some weak C-horizon anomalies
 - petrological examination of an additional 4 samples by AMDEL
 - ground magnetics and gradient-array IP surveys interpreted by R. Deakin and Associates

No significant geochemical anomalies were returned. In fact the wacker samples reduced the already weak anomalies present. The IP survey recognised the known sulphide concentrations in the axial planes of anticlines. Very poor correlation existed between the IP and magnetics.

- (ii) Five Mile Rise
- 22 additional rock chip samples were collected
 - 84 wacker (bedrock) samples were collected to test some weak C-horizon anomalies
 - ground magnetics and gradient-array IP surveys interpreted by R. Deakin and Associates

Again the results of the geochemistry was disappointing. The ground magnetics was able to locate structures and model the basement, and the IP recognised a couple of chargeability anomalies.

- (iii) Mount Jacob
- no work was undertaken in this area

The data collected to date was considered sufficient to assess the future exploration potential of the tenements. For the elements analysed for in the detailed grid-based investigations, no significant resources of sufficient size appear to exist. A greater effort is to be made on better prospects on our other tenement holdings within the state. No further work was therefore warranted, and 57 sq kms of the 63 sq kms were relinquished.

The area is still regarded as being prospective by RGCE.

5.3 Work Completed Aug. 1990 to Jan. 1991

The 6 sq kms that were retained covered the Mount Jacob grid. This area was retained to assess its Cambrian volcanogenic-hosted massive sulphide mineralisation potential.

The grid based work completed included:

- geological mapping at 1:5000 scale
- 62 rock chip samples were collected and analysed for Au, Cu, Pb, Zn, Ag, Bi, As and Sn.
- a ground magnetics survey, the data from which was interpreted by R. Deakin and Associates.

The mapping revealed a sequence of Cambrian volcano/sedimentary lithotypes and a massive andesitic unit. The stratigraphy appeared to be younging to the south and also dipped steeply in this direction, being covered by the Ordovician near the tenement edge. Some interesting base-metal rock chip anomalies were considered worthy of follow-up, but the ground magnetics was considered to be of little value.

A review of all of the data collected led to the recommendation that an EM survey be conducted over the grid.

6. WORK COMPLETED Feb. 1991 TO Sept. 1991

6.1 Geology

Preliminary 1:5,000 grid geological mapping, sampling and assay results were documented in the last Annual Report (Castro, '91).

The ensuing activities conducted during this last period consisted mostly of a follow-up sampling programme, which was designed after slightly anomalous Pb-Zn assay values obtained in the initial sampling.

The most systematic follow-up sampling concentrated in three sectors, and consisted of forty-four rock chip samples taken along three traverses, every 5m or 10m, and whose orientation was largely constrained by the extent and distribution of outcrop. The rest of the checking samples were collected individually at various spots on the grid. A total of 50 samples were collected on completion of this programme. The location and distribution of all the rock chip samples is shown in Plan 2.

The assay results for practically all the additional samples taken in this programme proved disappointing, and fully validate the poor TEM response obtained over the whole grid area. Some values are related to pyritic Ordovician sediments, while most of the exposed volcanics appear massive and devoid of mineralisation. The 16.5m of mineralised rhyolitic breccia and andesitic-dacitic volcanics intersected in 1977 by Comalco (MTJD 13) at 118m depth would then correspond to an isolated basemetal climbing vein. Complete assay results of these last follow-up samples are documented in Appendix 3.

An updated 1:5,000 scale factual geology map over the Mt. Jacob grid was completed in conjunction with the follow-up sampling field activities, and is presented in Plan 3. The ensuing interpreted geology map for the whole area is shown in Plan 4.

6.2 Geophysics

The last Annual Report (Castro, 1991) stated that a new, extensive T.E.M. survey was deemed necessary to fully appraise the Mt. Jacob sector potential for VMS deposits. A main consideration to recommend this alternative was the fact that an original TEM survey carried out by Comalco in 1983/84 was confined to the NW part of the current grid, and therefore did not test the entire area for conductive orebodies.

The new programme by RGCE proposed a SIROTEM survey, and was designed so as to maximise electromagnetic coupling with potential conductors dipping S. The optimum location of three transmitter loops of 600m x 300m for the above purpose was planned Sth of the grid base line (40900mN AMG), and are described in full detail in Appendix 2. See Plan 1 for reference.

The results of this survey were entirely discouraging, as detailed in the report by R. Deakin in Appendix 2, and evident in the data plots reproduced in the same report. Consequently, no further work with this data was considered necessary.

6.3 Rehabilitation

The only work undertaken within the tenement area that affected the vegetation and/or soil were:

- (i) the cutting of grids at Round Mountain, Five Mile Rise and Mount Jacob; and
- (ii) the upgrading of the old VDL track into the Five Mile Rise area. This upgrading was restricted to cordoning parts of the track in most need of repair.

All vehicle access into areas was restricted to existing roads and tracks.

As no new tracks were established nor drill sites created, no rehabilitation work has been undertaken.

7. CONCLUSIONS AND RECOMMENDATIONS

- A follow-up sampling programme, involving locations where relatively interesting base metal assay values were previously detected failed to identify any significant surface anomalies.
- A SIROTEM survey, conducted to test the entire area of RGCE's Mt. Jacob grid, offered no encouragement for potential VMS type deposits of a size, depth, orientation and conductivity that could be expected to respond to the survey.
- In view of the above results and due to better prospects within other tenement holdings, it is recommended that the area covered by E.L. 8/88 - Lorinna be relinquished. However, our decision to do this does not negate the areas future prospectivity.

8. REFERENCES: TOTAL LISTING

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Castro, C.H., 1991: EL 8/88 - Lorinna. Annual report 1990. RGCE report no. T/91/1.

Castro, C.H., and Fleming, M.J., 1989: EL 8/88 - Lorinna and EL 36/88 - Round Mountain. Annual report 1989.

Deakin, R.C., 1990a: Report on geophysical results from the Round Mountain Prospect, Northern Tasmania. Report for RGCE Pty. Ltd. Included as appendix 3 in Castro, 1990.

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- Walker, R.N., 1989: Processing of magnetics and radiometrics for the Moina-Housetop area, Tasmania. Report for RGCE Pty. Ltd. by Geomage Pty. Ltd. Included as appendix 4 in this report.

APPENDIX 1

Expenditure

138024

EXPENDITURE

For the period February, 1991 to October, 1991.

Personnel Costs	7,384
Travel, Accommodation & Entertaining	360
Consultants & Contractors	23,943
Sample Preparation & Analysis	1,105
Stores & Supplies	367
Vehicle Costs	1,685
Office Costs	9,685
On Costs (10%)	4,453
	<hr/>
TOTAL	\$48,982
	<hr/>

APPENDIX 2

A Summary of Geophysics from the Mount Jacob Prospect,

Northern Tasmania (R. Deakin).

A Summary of Geophysics
from the Mount Jacob Prospect
Northern Tasmania

on behalf of

R.G.C. Exploration Pty. Ltd

by

R. Deakin

March 1991

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ACCOMPANYING PLANS

Figure No 1. Geophysical Summary and Interpretation Plan

APPENDIX

Profiles of Z and X component Sirotem Profiles

1. INTRODUCTION

1.1 The Mount Jacob prospect is situated immediately north of Lake Gairdner in the Moina-Wilmot region of Northern Tasmania. That prospect is currently being explored by R.G.C. Exploration Pty. Ltd. for volcanogenic massive sulphides and exploration to date has included geology, geochemistry and geophysics. The latter has been in the form of a) a magnetometer survey and b) a fixed loop Sirotem Survey.

1.2 The Mount Jacob grid consists of twelve north-south grid lines at 200 metre spacings and encompasses a contact between Ordovician Moina sandstone in the south and Cambrian Volcanics to the north. The contact zone has a predominantly E-W trend but is offset to the north in the western half of the grid by a series of NNW-SSE faults. That geological contact zone encompasses a relatively thin succession consisting of the basal conglomerate member of the Moina sandstone and the upper sandstone member of the Cambrian, Owen Conglomerate. These rocks have a shallow dip to the south and unconformably overly the undifferentiated Cambrian Volcanics. Flat lying Tertiary basalt occurs in the north-west corner of the grid.

1.3 The magnetometer survey of the Mt. Jacob grid was carried out in early 1990 and reported on by this Author (Deakin 1990) in April of that year. The results of the magnetics can be summarised as:

a) Noisy data in the northern and north-western parts of the grid, related to structure and/or lithologies within the Cambrian volcanics and the Tertiary basalt and

b) A broad high trending approximately East-West in the south of the grid which is related to unknown lithologies at depths of 100m or more.

1.4 In early February 1991 the Mount Jacob grid was surveyed with fixed loop Sirotem by McSkimming Geophysics International Pty. Ltd. This work consisted of the measurement of both the vertical (Z) component and horizontal (X) component (along grid lines- +ve to the north) of the secondary electromagnetic field induced by 600m x 300m transmitting loops. The field layouts consisted of :-

	Transmitting Loop	Lines Measured
1.	8700N - 9000N 500E - 1100E	500E, 700E, 900E, 1100E and 1300E
2.	8700N - 9000N 1300E - 1900E	1100E, 1300E, 1500E, 1700E, 1900E and 2100E

approximate position of interpreted anomalies are shown on the interpretation plan, Figure 1. Some line to line correlations in an east-west sense, can be formulated (as shown on Figure 1) however they are problematical.

- 2.3 The best 'anomaly' in terms of amplitude, width, S/N ratio and persistence to later time channels, occurs at 9900N on line 900E. This is evident as a normal +ve -> -ve Z component cross over and an X component high. This anomaly can be correlated with a similar anomaly at about 9950N on line 1100E which is a broader feature and appears to extend beyond the data coverage.

This anomaly occurs within the basalt and therefore a shallow conductive zone within the basalt, a water filled contact or fracture for example, is expected.

- 2.4 An anomaly similar to that at 9900N/900E can be seen in the data at approximately 9025N on line 700E. This anomaly occurs in close proximity to the transmitting loop position (at 9000N) and near Loop effects are expected to dominate. This anomaly, which has no equivalent correlations on adjacent lines, is therefore considered to be possibly spurious and of minor significance.

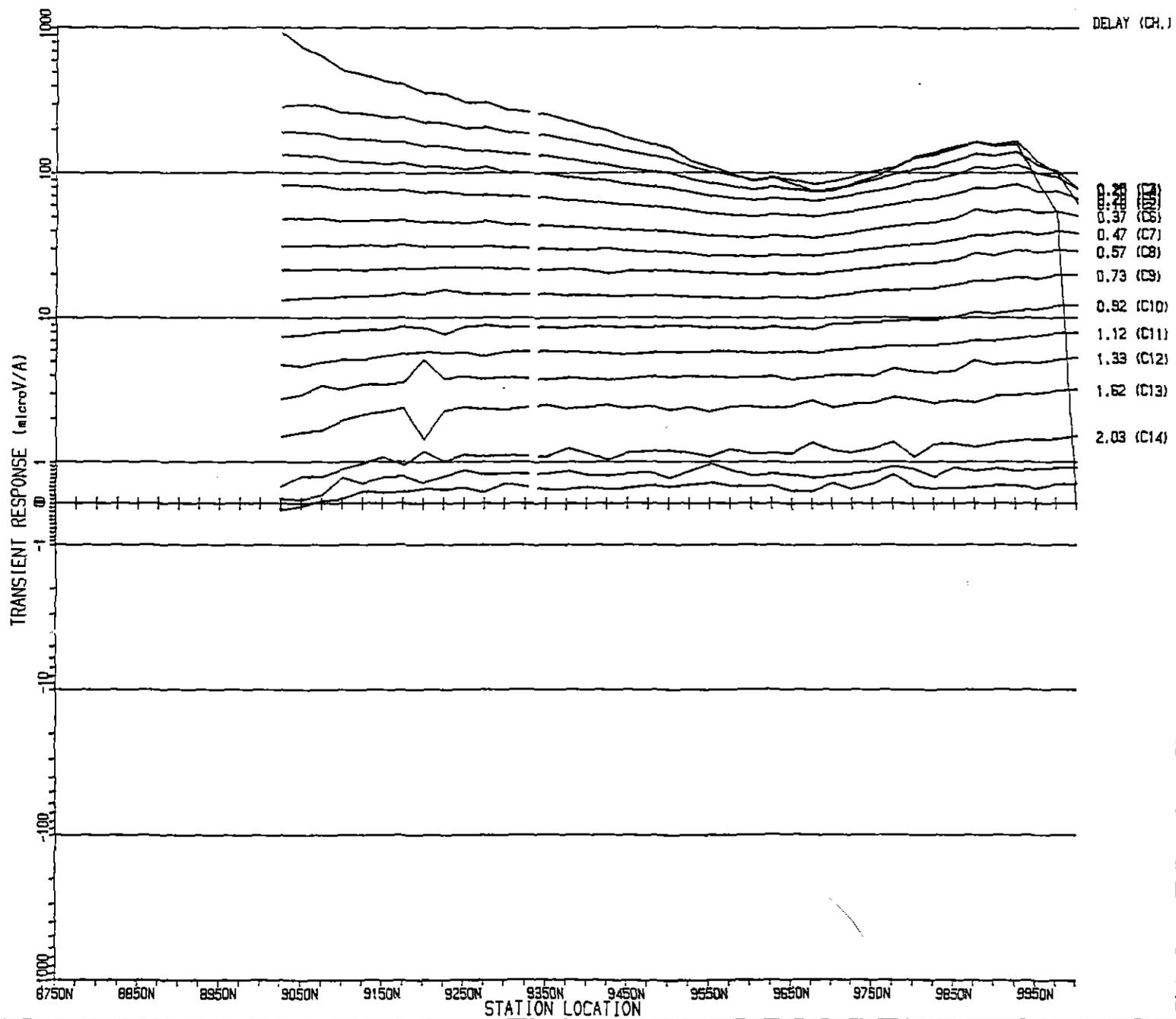
- 2.5 On the interpretation plan, Figure 1, both Sirotem anomaly trends and magnetic anomaly trends are shown. Both sets are equally problematical, however there is good agreement in general trend directions and in some cases, position. The majority of anomalous character, although minor, in both the Sirotem and magnetometer results occurs within the volcanics in the northern and north-western sectors of the grid. These results imply that the geology of the volcanics is more diverse and probably somewhat more conductive than the Ordovician lithologies to the south.

3. CONCLUSIONS

- 3.1 Geophysical results from the Mount Jacob grid offer virtually no encouragement for significant volcanogenic massive sulphides - the exploration target.
- 3.2 Some minor Sirotem anomalies may reflect faults or shears with some gold potential however such conclusions are entirely speculative and the results do not provide any exploration focus for this style of target. The exceptions in this regard may be the 'better' anomaly in the far north of the grid on lines 900E and 1100E and the (?) anomaly at about 9025N on line 700E. The former feature however is expected to be related to structure or lithology within Tertiary basalt and the latter to either loop effects or a minor and shallow bedrock conductor of limited lateral extent.

4. REFERENCES

Deakin, R., 1990. Report on Magnetometer Survey Results from the Mount Jacob Prospect, Northern Tasmania. Report for R.G.C. Exploration Pty.Ltd.



SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS
 SURVEY DATE : 07-02-91
 CONFIGURATION : 600M SQUARE TX. LOOP,
 TURAM MODE RVR SURVEY
 READING INT. : 25 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM 3 S/N 3
 CURRENT : 10.4 AMPS
 OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

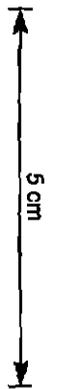
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 VERTICAL SCALE - LOGARITHMIC
 4CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

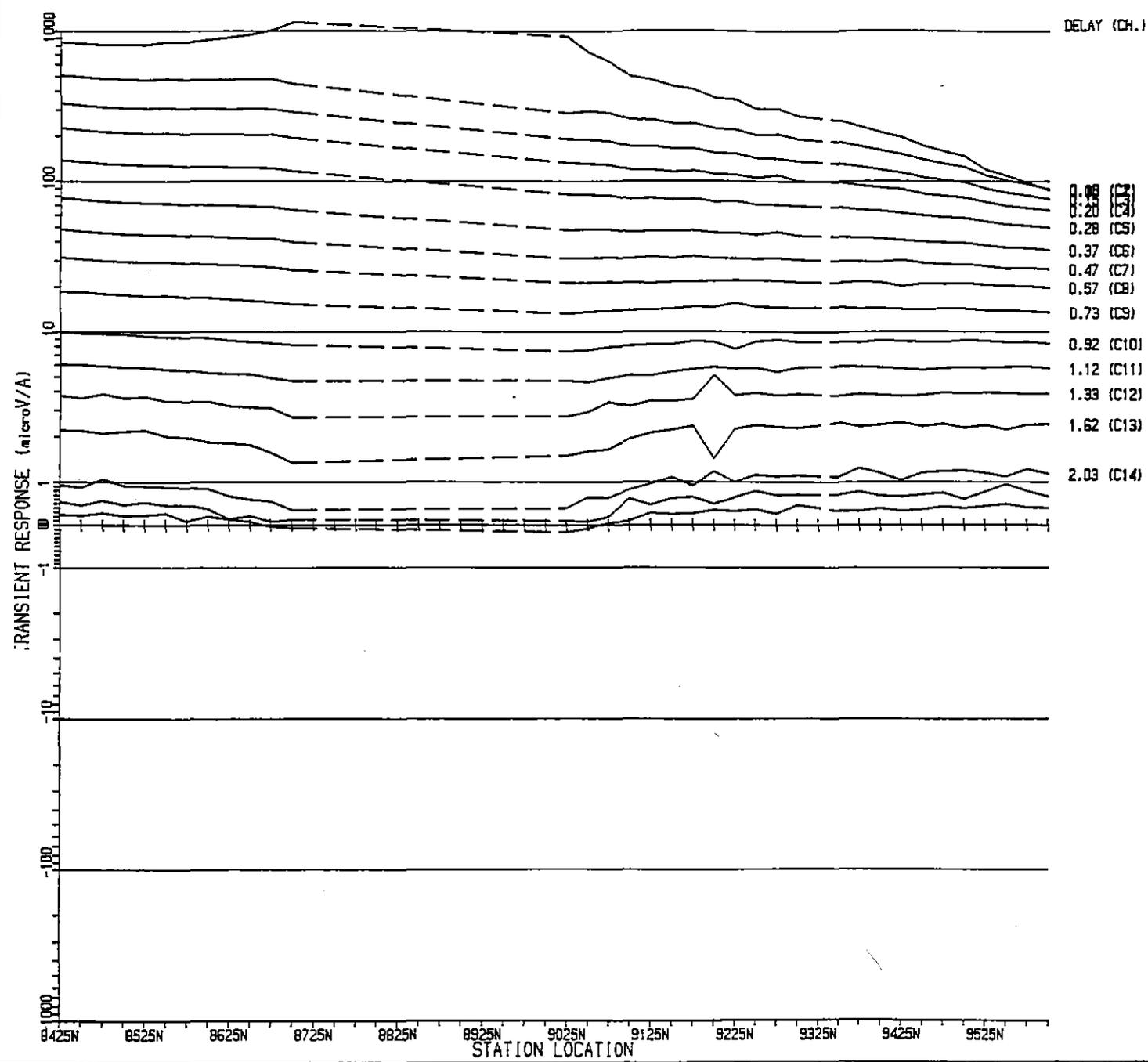
TIME DELAYS IN MILLISECONDS
 E - EARLY TIMES SERIES
 S - STANDARD TIMES SERIES
 C - COMPOSITE SERIES

RGC EXPLORATION
 TASMANIA
 MT. JACOB
 SIROTEM PROFILE
 LINE 1900E Z LP2
 SCALE - 1:5000

32

133033





SURVEY SPECIFICATIONS

DATA ACQUIS'N : McSKIMMING GEOPHYSICS

SURVEY DATE : 07-02-91

CONFIGURATION : 600M SQUARE TX. LOOP,
TURAM MODE RVR SURVEY

READING INT. : 25 METRES

NO. OF STACKS : 1024

TRANSMITTER : MEDIUM POWER

RECEIVER : SIROTEM 3 S/N 3

CURRENT : 10.4 AMPS

OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000

VERTICAL SCALE - LOGARITHMIC
4CM. PER DECADE
LINEAR BETWEEN
-1 AND +1

TIME DELAYS IN MILLISECONDS

E - EARLY TIMES SERIES

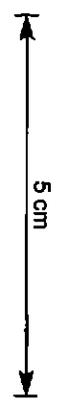
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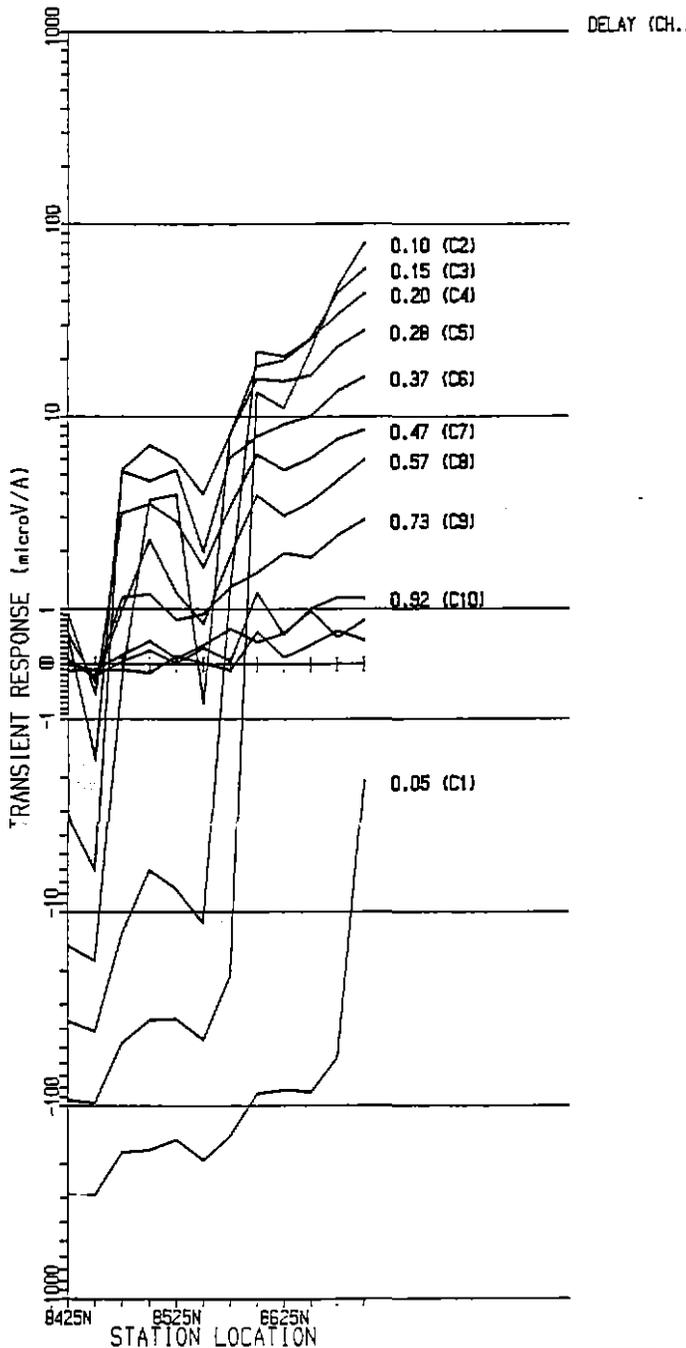
C - COMPOSITE SERIES

RGC EXPLORATION

TASMANIA
MT. JACOB
SIROTEM PROFILE
LINE 1900E Z LP2

SCALE - 1:5000





SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : 07-02-91
 CONFIGURATION : 600M SQUARE TX. LOOP,
 TURAM MODE RVR SURVEY
 READING INT. : 25 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM 3 S/N 3
 CURRENT : 10.4 AMPS
 OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 4CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

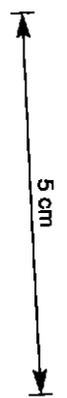
TIME DELAYS IN MILLISECONDS
 E - EARLY TIMES SERIES
 S - STANDARD TIMES SERIES
 C - COMPOSITE SERIES

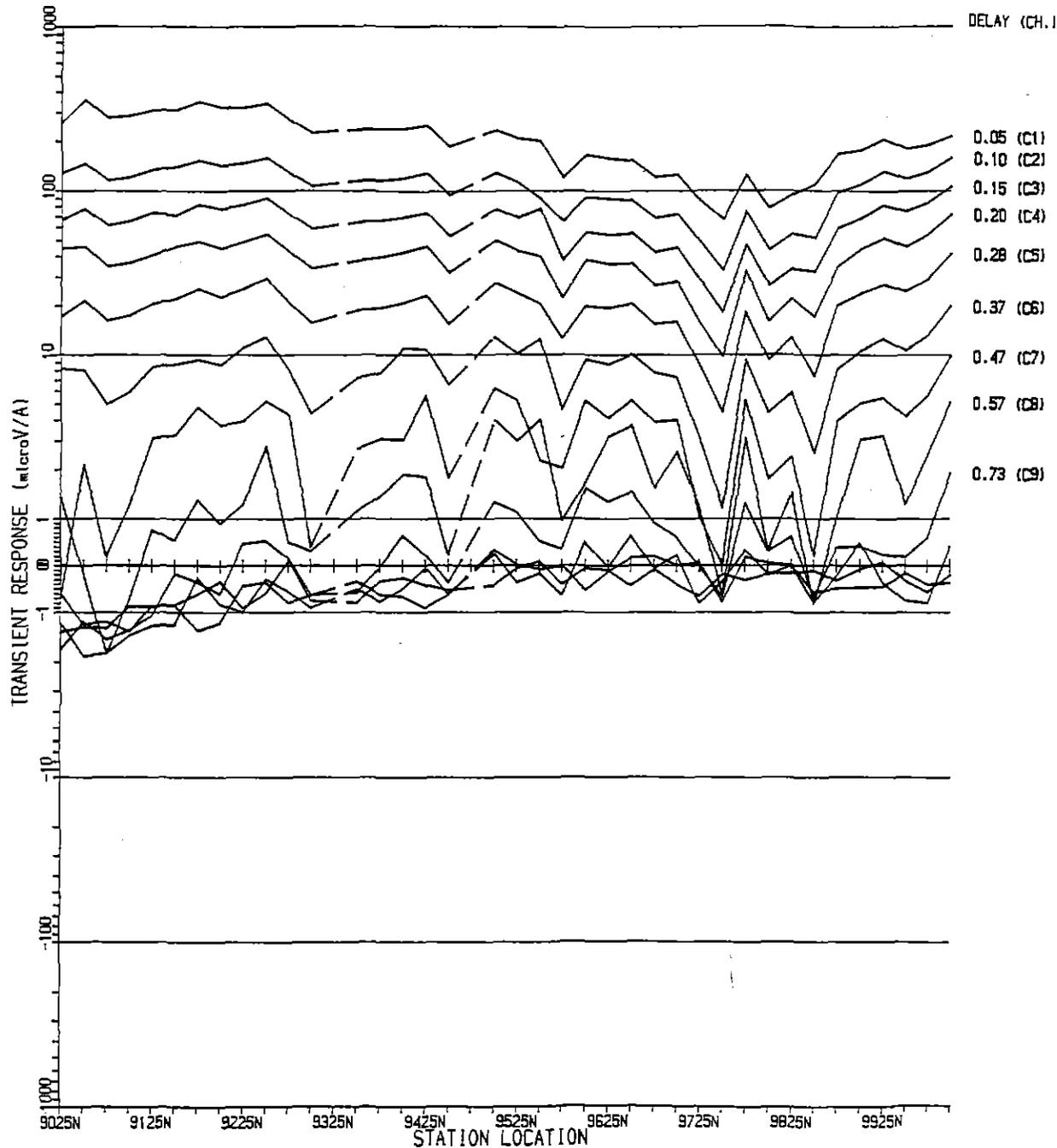
RGC EXPLORATION

TASMANIA
MT. JACOB

SIROTEM PROFILE LINE 1900E X LP2

SCALE - 1:5000





SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : 07-02-91
CONFIGURATION : 600M SQUARE TX. LOOP,
TURAM MODE RVR SURVEY

READING INT. : 25 METRES
NO. OF STACKS : 1024
TRANSMITTER : MEDIUM POWER
RECEIVER : SIROTEM 3 S/N 3
CURRENT : 10.4 AMPS
OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:6000
VERTICAL SCALE - LOGARITHMIC
4CM. PER DECADE
LINEAR BETWEEN
-1 AND +1

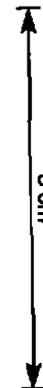
TIME DELAYS IN MILLISECONDS
E - EARLY TIMES SERIES
S - STANDARD TIMES SERIES
C - COMPOSITE SERIES

RGC EXPLORATION

TASMANIA
MT. JACOB

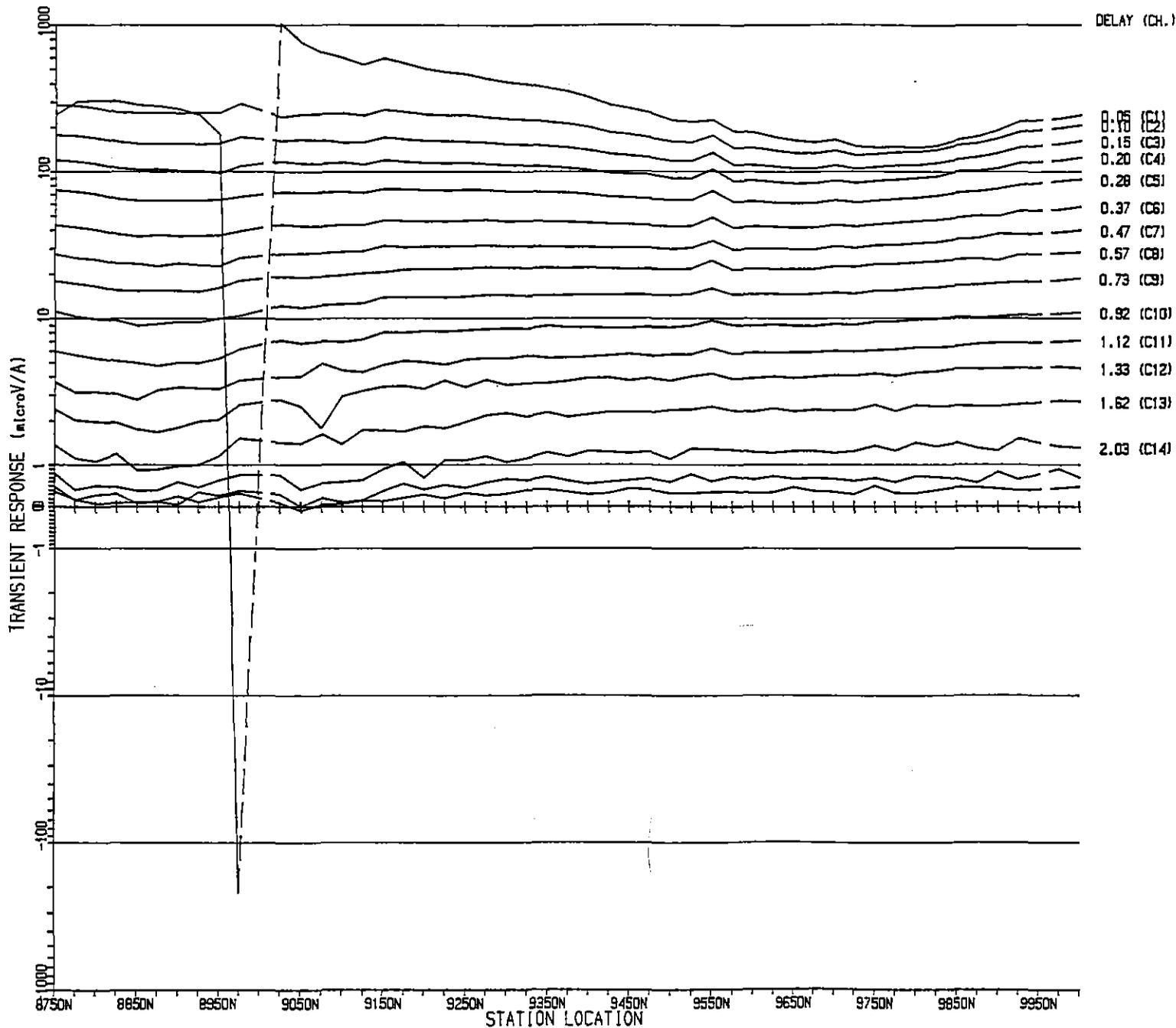
SIROTEM PROFILE
LINE 1900E X LP2

SCALE - 1:5000



30

138030



SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : 07-02-91

CONFIGURATION : 600M SQUARE TX. LOOP,
TURAN MODE RVR SURVEY

READING INT. : 25 METRES

NO. OF STACKS : 1024

TRANSMITTER : MEDIUM POWER

RECEIVER : SIROTEM 3 S/N 3

CURRENT : 10.4 AMPS

OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000

VERTICAL SCALE - LOGARITHMIC
4CM. PER DECADE
LINEAR BETWEEN
-1 AND +1

TIME DELAYS IN MILLISECONDS

E - EARLY TIMES SERIES

S - STANDARD TIMES SERIES

C - COMPOSITE SERIES

RGC EXPLORATION

TASMANIA
MT. JACOB

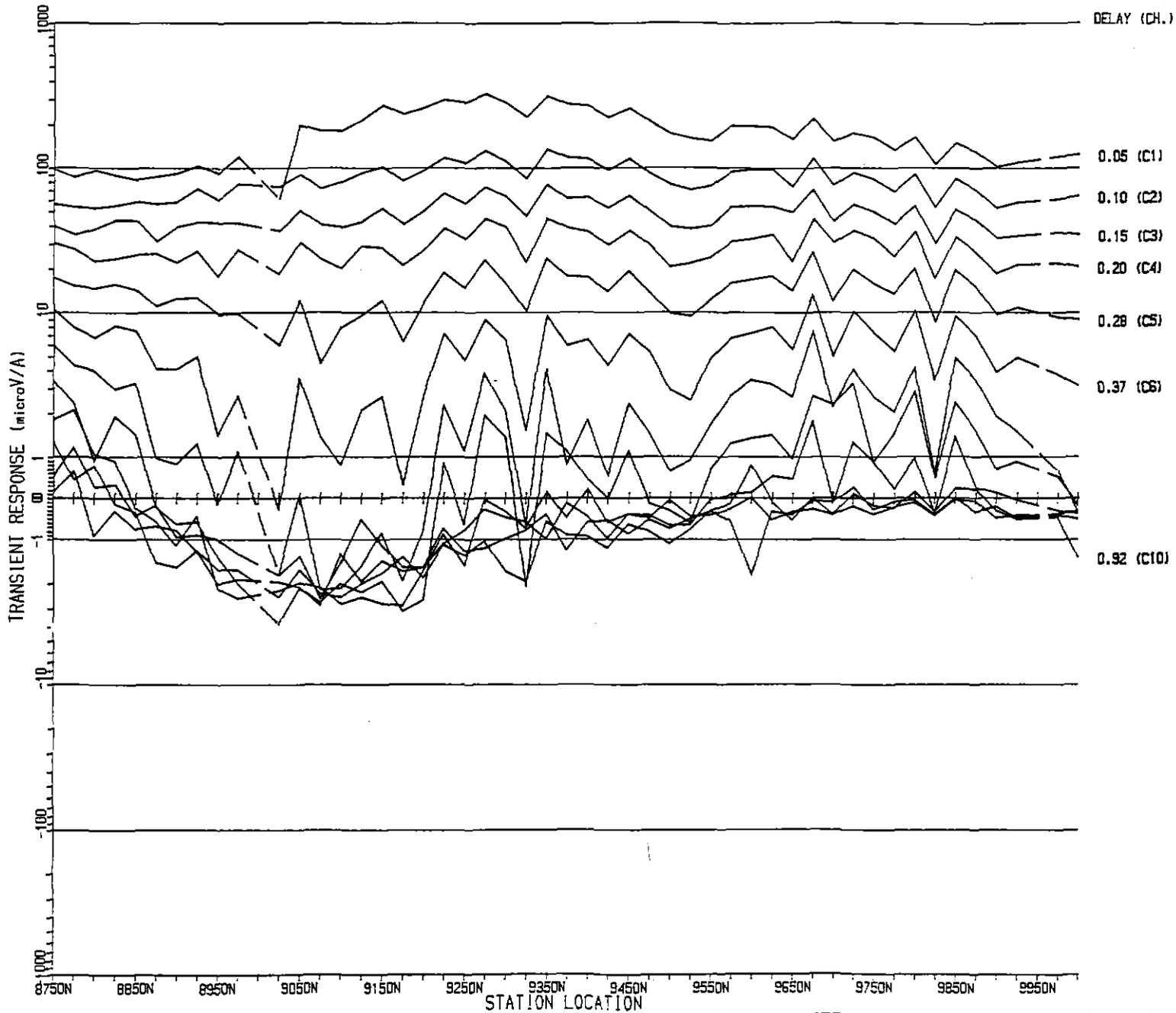
SIROTEM PROFILE
LINE 1700E Z LP2

SCALE - 1:5000

30

139037

5 cm



SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : 07-02-91
 CONFIGURATION : 600M SQUARE TX. LOOP,
 TURAM MODE RVR SURVEY
 READING INT. : 25 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM 3 S/N 3
 CURRENT : 10.4 AMPS
 OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 4CM. PER DECADE
 LINEAR BETWEEN
 -1 AND #1

TIME DELAYS IN MILLISECONDS
 E - EARLY TIMES SERIES
 S - STANDARD TIMES SERIES
 C - COMPOSITE SERIES

RGC EXPLORATION

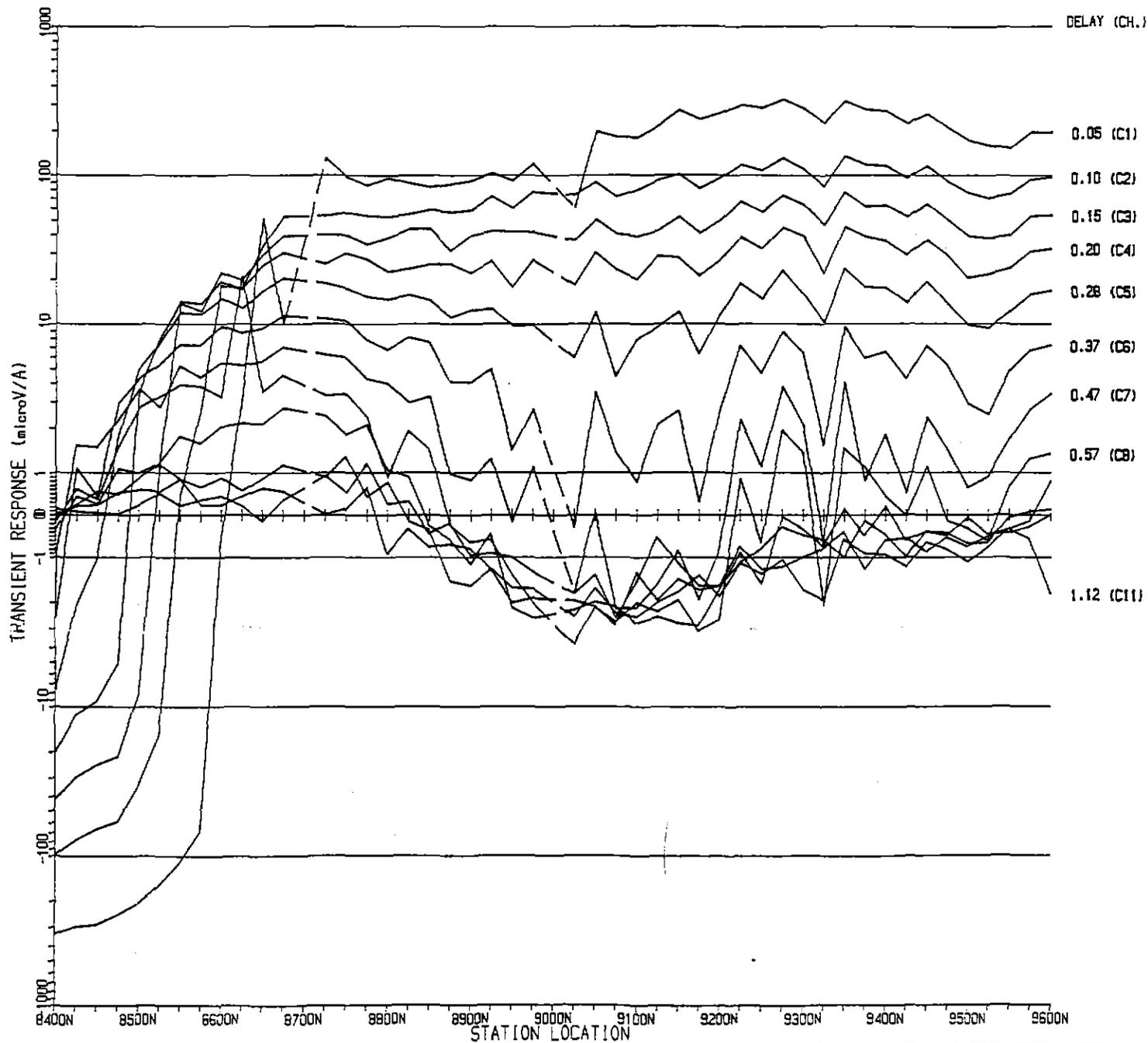
TASMANIA
 MT. JACOB
 SIROTEM PROFILE
 LINE 1700E X LP2

SCALE - 1:5000

37

138033

5 cm



SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS
 SURVEY DATE : 07-02-91
 CONFIGURATION : 600M SQUARE TX. LOOP,
 TURAM MODE RVR SURVEY
 READING INT. : 25 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM 3 S/N 3
 CURRENT : 10.4 AMPS
 OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 4CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

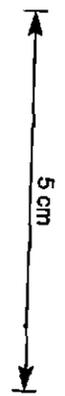
TIME DELAYS IN MILLISECONDS
 E - EARLY TIMES SERIES
 S - STANDARD TIMES SERIES
 C - COMPOSITE SERIES

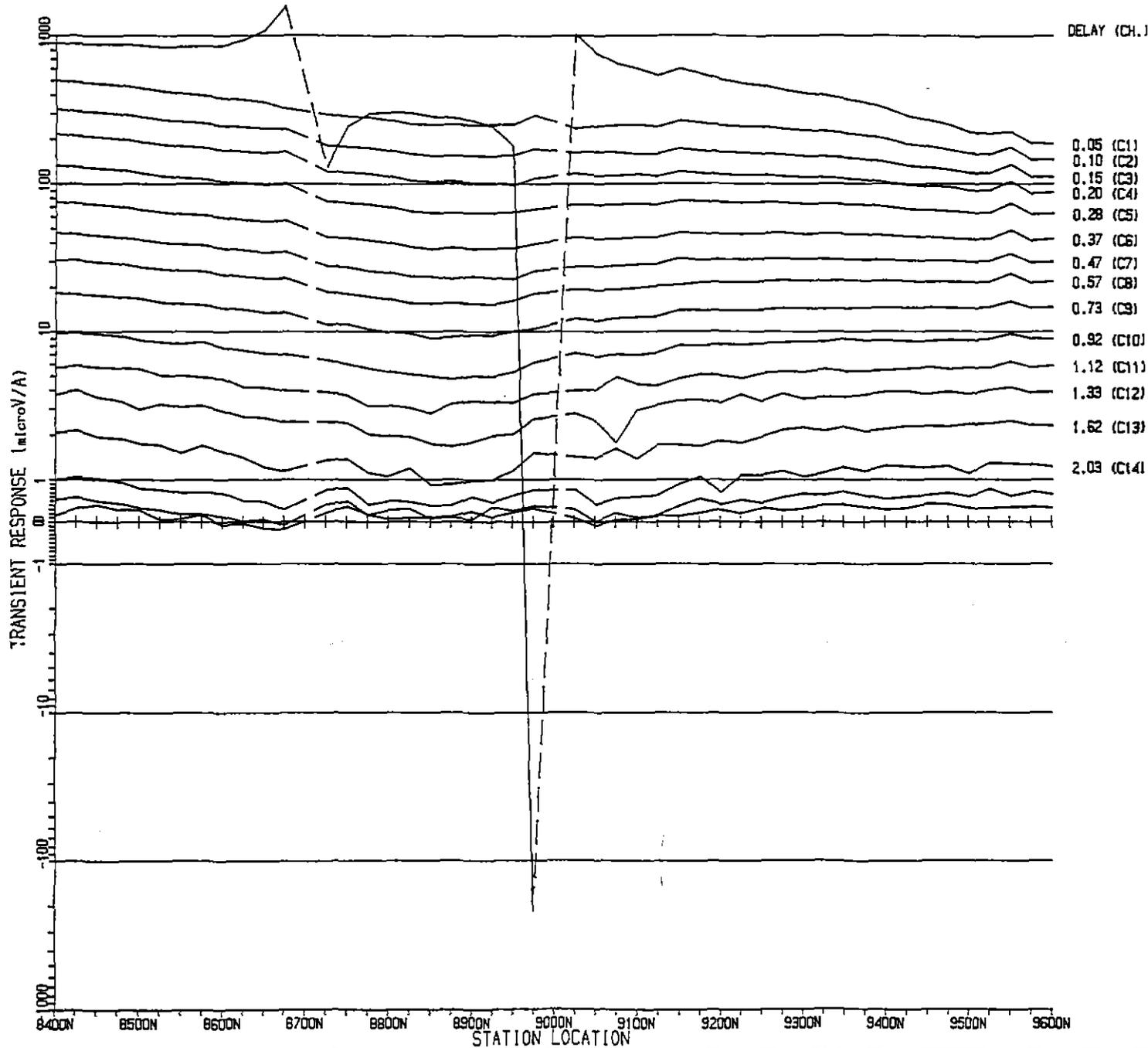
RGC EXPLORATION

TASMANIA
 MT. JACOB
 SIROTEM PROFILE
 LINE 1700E X LP2

SCALE - 1:5000

138029





SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : 07-02-91
 CONFIGURATION : 600M SQUARE TX. LOOP,
 TURAM MODE RVR SURVEY

READING INT. : 25 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM 3 S/N 3
 CURRENT : 10.4 AMPS
 OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 4CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

TIME DELAYS IN MILLISECONDS
 E - EARLY TIMES SERIES
 S - STANDARD TIMES SERIES
 C - COMPOSITE SERIES

RGC EXPLORATION

TASMANIA
 MT. JACOB

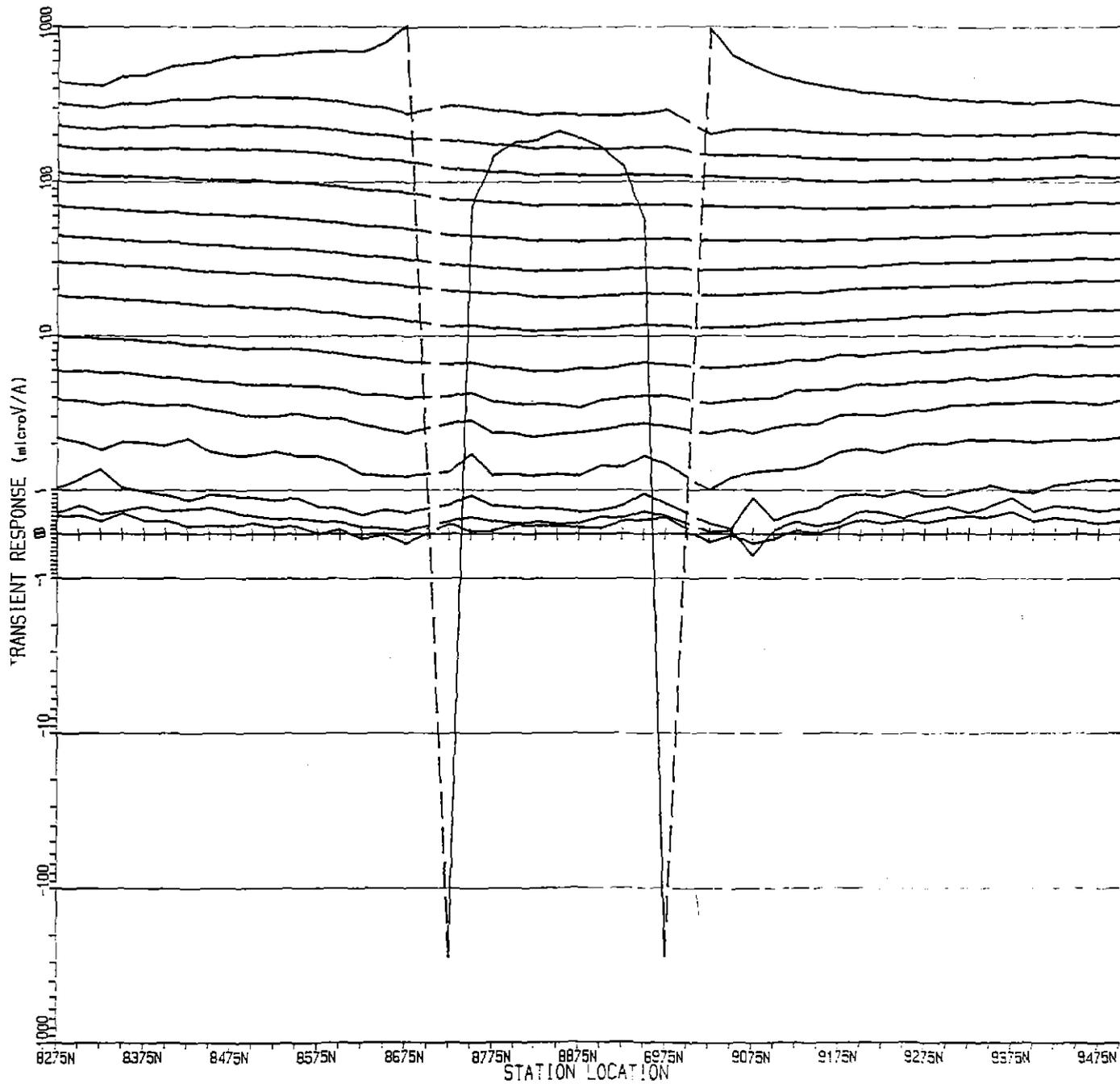
SIROTEM PROFILE
 LINE 1700E Z LP2

SCALE - 1:5000

5 cm

133040

39



DELAY (CH.)

- 0.05 (C1)
- 0.10 (C2)
- 0.15 (C3)
- 0.20 (C4)
- 0.28 (C5)
- 0.37 (C6)
- 0.47 (C7)
- 0.57 (C8)
- 0.73 (C9)
- 0.92 (C10)
- 1.12 (C11)
- 1.33 (C12)
- 1.62 (C13)
- 2.03 (C14)

SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : 08-02-91

CONFIGURATION : 600M SQUARE TX. LOOP,
TURAM MODE RVR SURVEY

READING INT. : 25 METRES

NO. OF STACKS : 1024

TRANSMITTER : MEDIUM POWER

RECEIVER : SIROTEM 3 S/N 3

CURRENT : 10.4 AMPS

OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000

VERTICAL SCALE - LOGARITHMIC
4CM. PER DECADE
LINEAR BETWEEN
-1 AND +1

TIME DELAYS IN MILLISECONDS

E - EARLY TIMES SERIES

S - STANDARD TIMES SERIES

C - COMPOSITE SERIES

RGC EXPLORATION

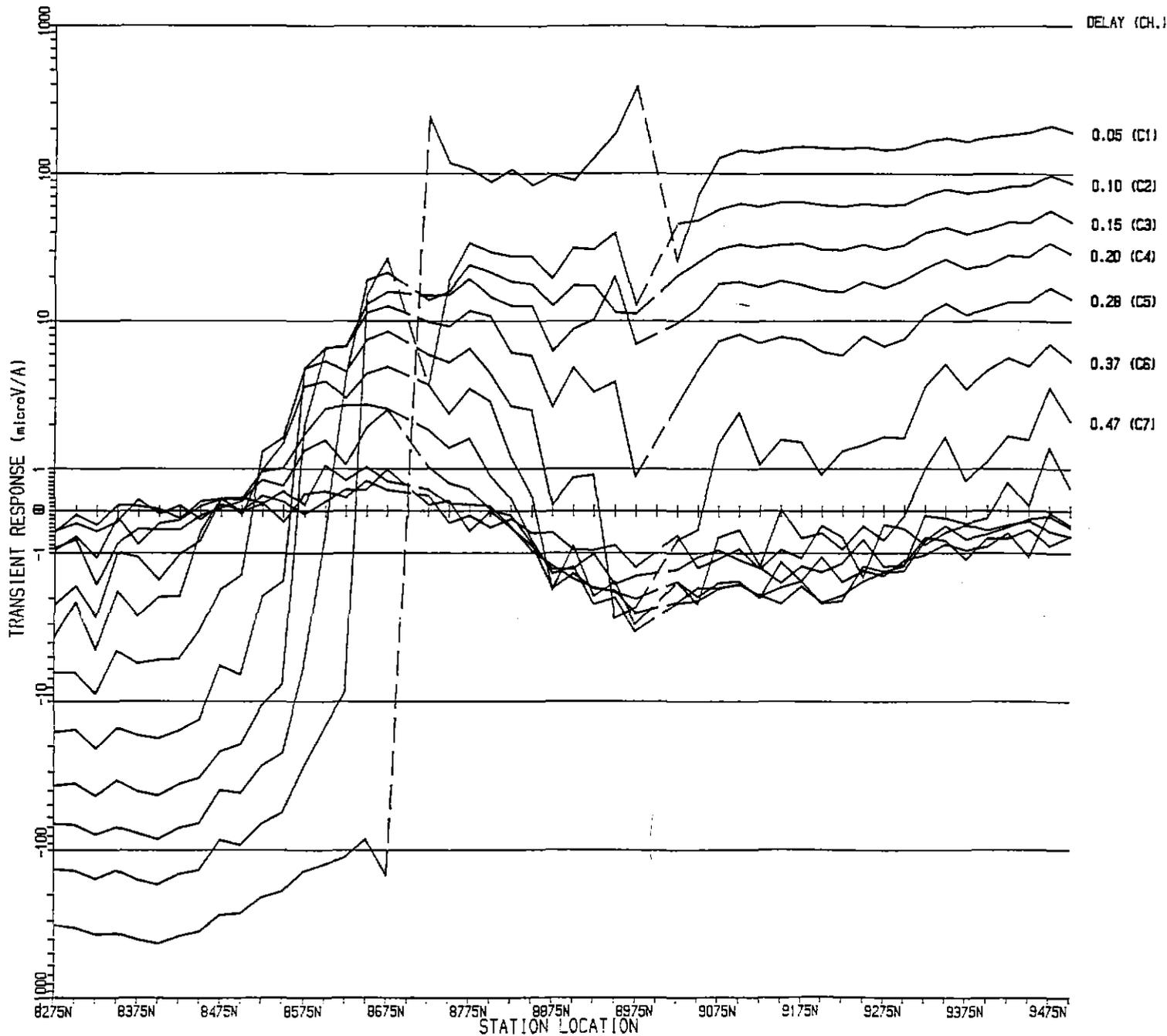
TASMANIA
MT. JACOB

SIROTEM PROFILE
LINE 1500E Z LP2

SCALE - 1:5000

133041

5 cm



SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : 08-02-91
 CONFIGURATION : 600M SQUARE TX. LOOP,
 TURAM MODE RVR SURVEY
 READING INT. : 25 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM 3 S/N 3
 CURRENT : 10.4 AMPS
 OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

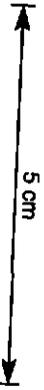
HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 4CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

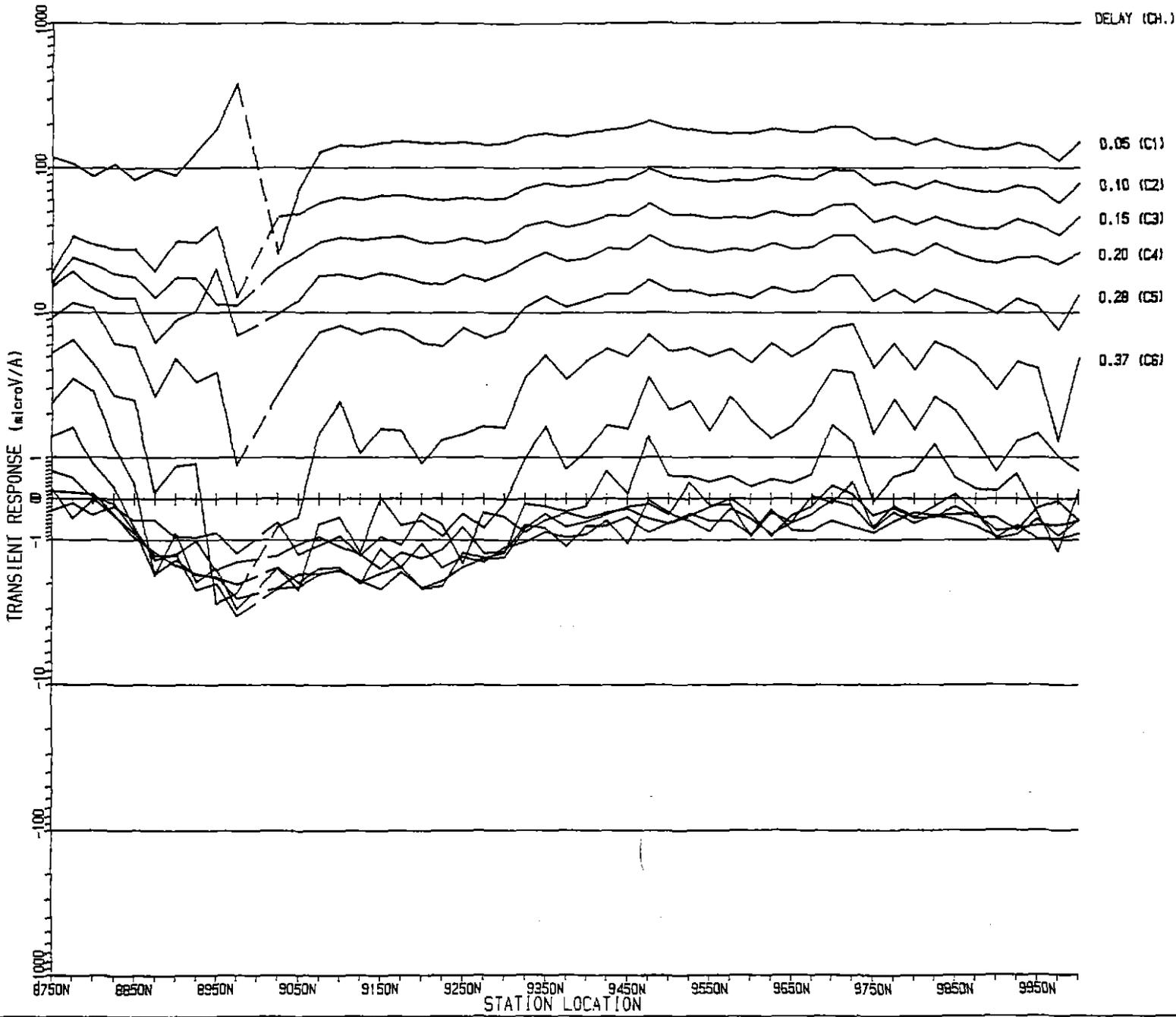
TIME DELAYS IN MILLISECONDS
 E - EARLY TIMES SERIES
 S - STANDARD TIMES SERIES
 C - COMPOSITE SERIES

RGC EXPLORATION

TASMANIA
 MT. JACOB
 SIROTEM PROFILE
 LINE 1500E X LP2

SCALE - 1:5000





SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS
 SURVEY DATE : 08-02-91
 CONFIGURATION : 600M SQUARE TX. LOOP,
 TURAM MODE RVR SURVEY
 READING INT. : 25 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM 3 S/N 3
 CURRENT : 10.4 AMPS
 OPERATOR : P McSKIMMING

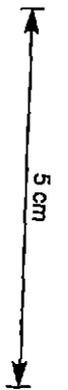
PLOT SPECIFICATIONS

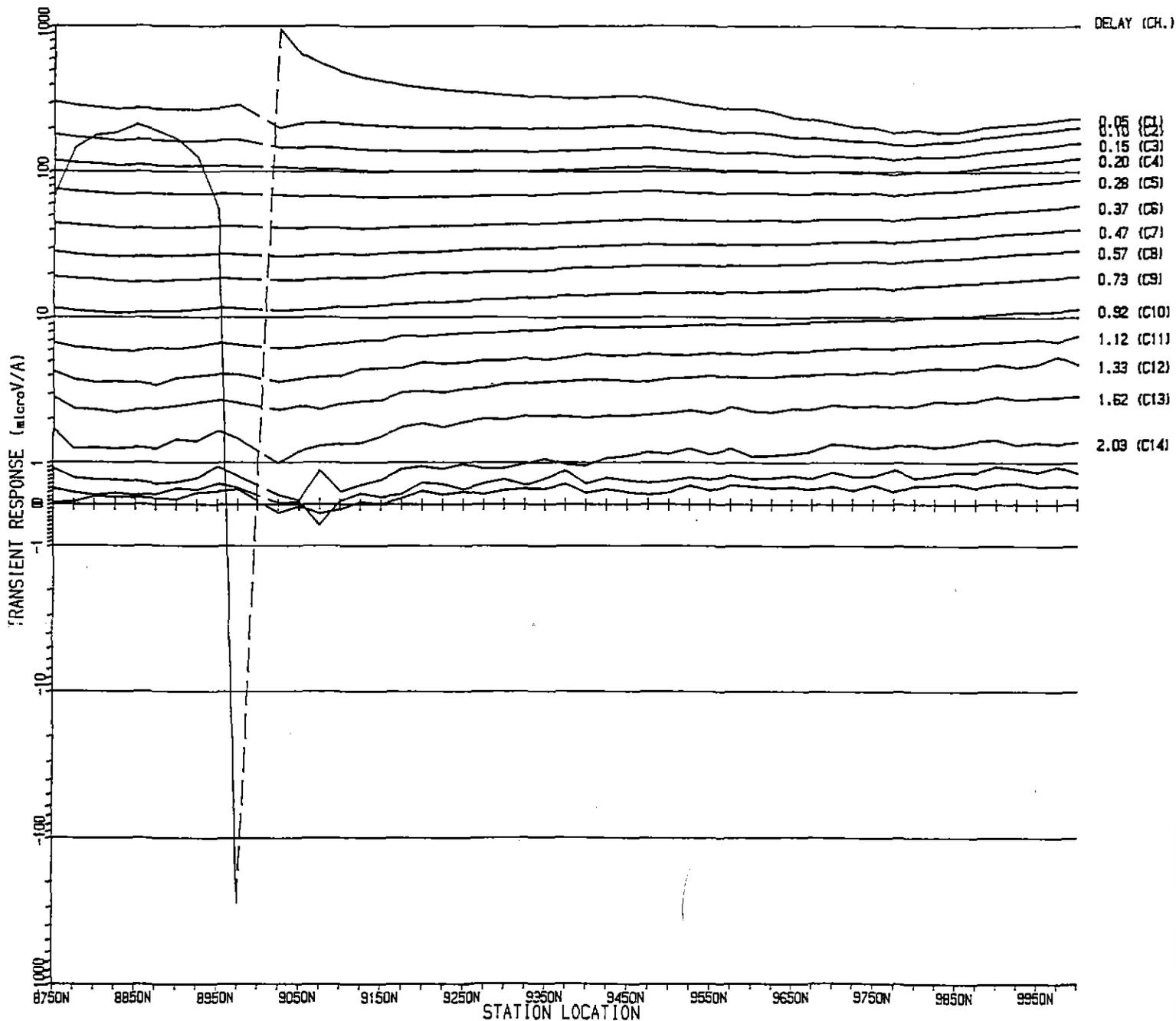
HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 4CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1
 TIME DELAYS IN MILLISECONDS
 E - EARLY TIMES SERIES
 S - STANDARD TIMES SERIES
 C - COMPOSITE SERIES

RGC EXPLORATION
 TASMANIA
 MT. JACOB
 SIROTEM PROFILE
 LINE 1500E X LP2
 SCALE - 1:5000

42

133049





DELAY (CH.)

- 0.05 (C1)
- 0.10 (C2)
- 0.15 (C3)
- 0.20 (C4)
- 0.28 (C5)
- 0.37 (C6)
- 0.47 (C7)
- 0.57 (C8)
- 0.73 (C9)
- 0.92 (C10)
- 1.12 (C11)
- 1.33 (C12)
- 1.62 (C13)
- 2.09 (C14)

SURVEY SPECIFICATIONS

DATA ACQUIS'N : MCKIMMING GEOPHYSICS
 SURVEY DATE : 08-02-91
 CONFIGURATION : 600M SQUARE TX. LOOP,
 TURAM MODE RVR SURVEY
 READING INT. : 25 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM 3 S/N 3
 CURRENT : 10.4 AMPS
 OPERATOR : P MCKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 4CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

TIME DELAYS IN MILLISECONDS
 E - EARLY TIMES SERIES
 S - STANDARD TIMES SERIES
 C - COMPOSITE SERIES

RGC EXPLORATION

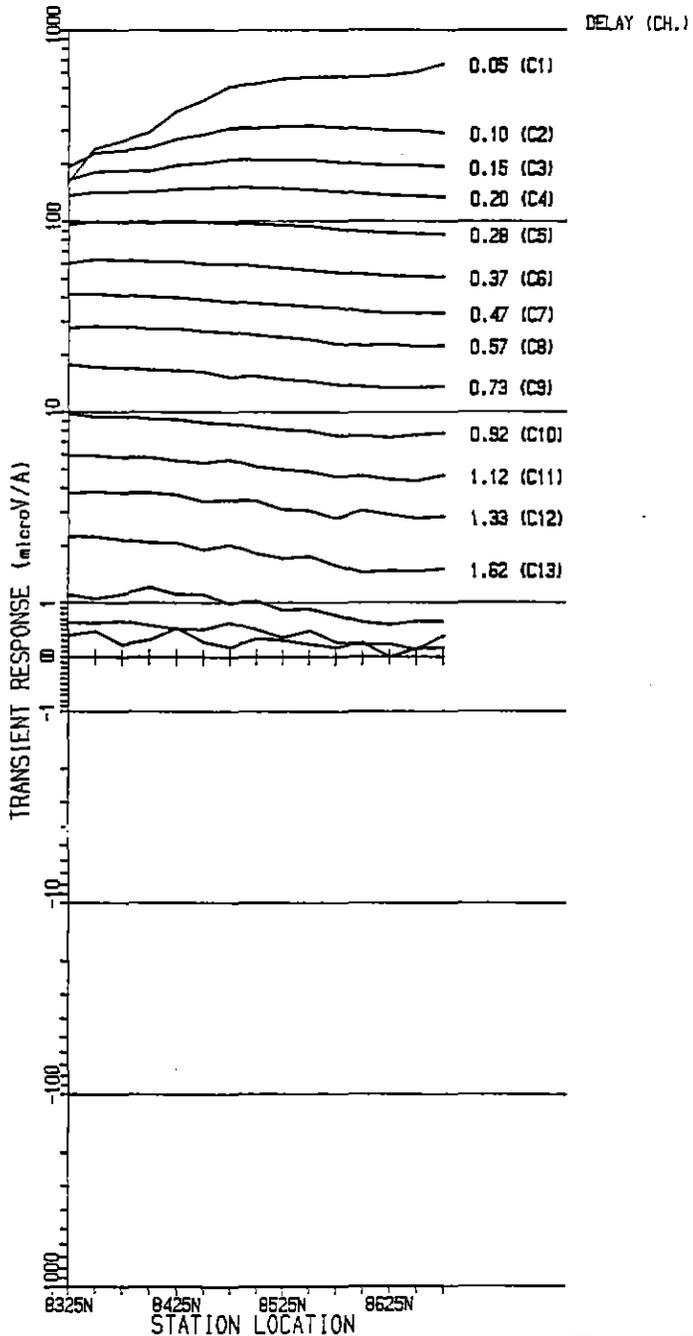
TASMANIA
 MT. JACOB
 SIROTEM PROFILE
 LINE 1500E Z LP2

SCALE - 1:5000

43

133047

5 cm



SURVEY SPECIFICATIONS

DATA ACQUIS'N : McSKIMMING GEOPHYSICS

SURVEY DATE : 08-02-91
 CONFIGURATION : 600M SQUARE TX. LOOP,
 TURAM MODE RVR SURVEY
 READING INT. : 25 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM 3 S/N 3
 CURRENT : 10.4 AMPS
 OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 4CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

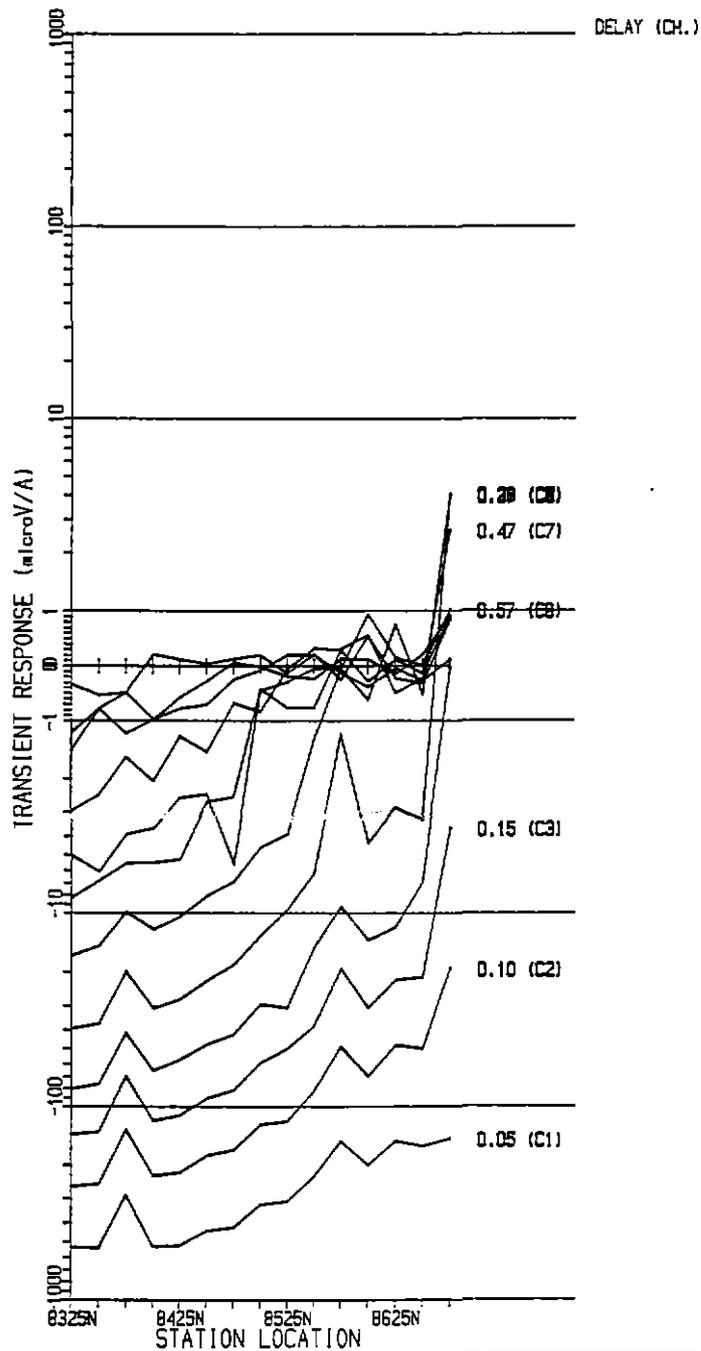
TIME DELAYS IN MILLISECONDS
 E - EARLY TIMES SERIES
 S - STANDARD TIMES SERIES
 C - COMPOSITE SERIES

RGC EXPLORATION

TASMANIA
 MT. JACOB
 SIROTEM PROFILE
 LINE 1300E Z LP2

SCALE - 1:5000

5 cm



SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : 08-02-91
 CONFIGURATION : 600M SQUARE TX. LOOP,
 TURAM MODE RVR SURVEY
 READING INT. : 25 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM 3 S/N 3
 CURRENT : 10.4 AMPS
 OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 4CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

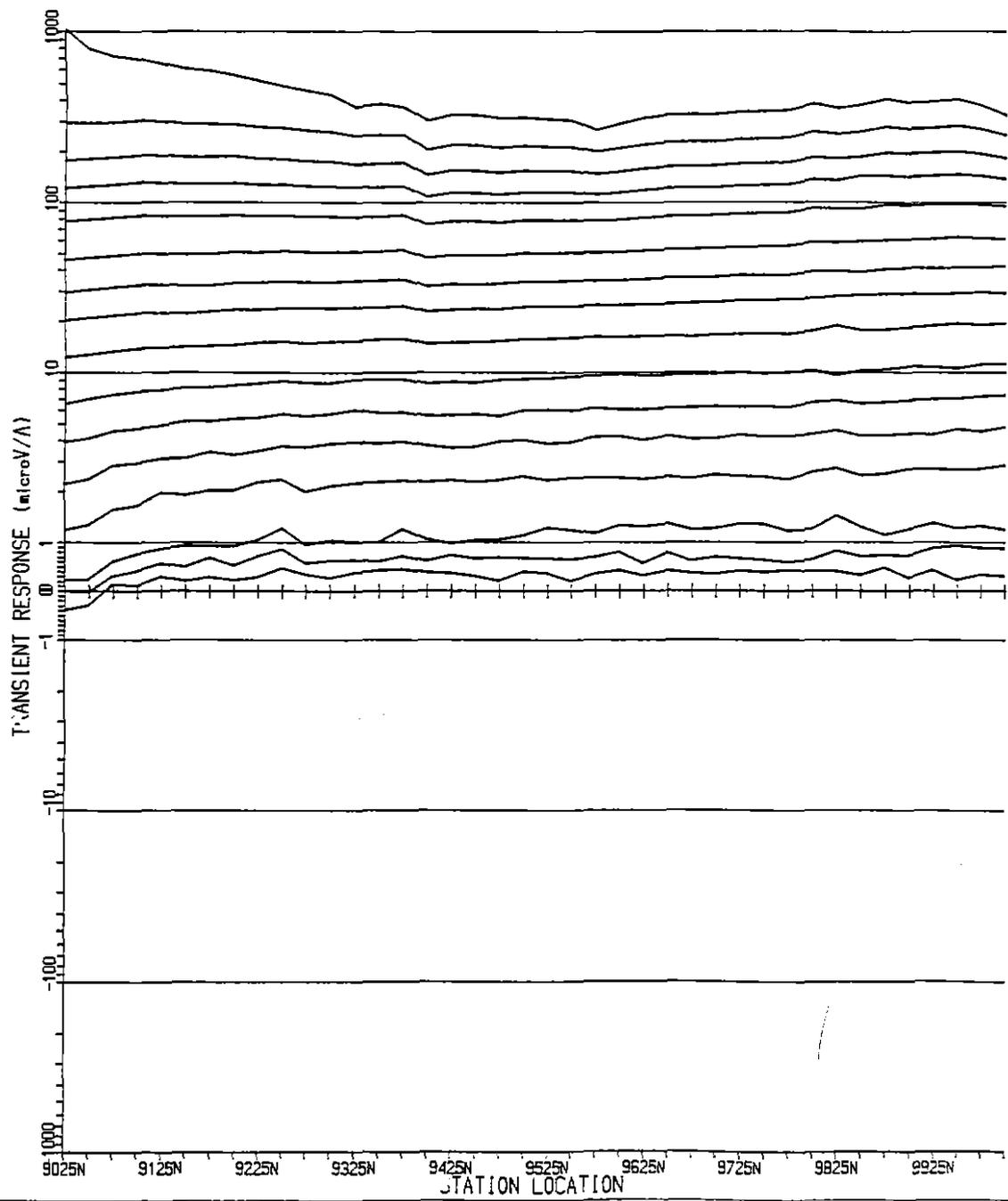
TIME DELAYS IN MILLISECONDS
 E - EARLY TIMES SERIES
 S - STANDARD TIMES SERIES
 C - COMPOSITE SERIES

RGC EXPLORATION

TASMANIA
 MT. JACOB
 SIROTEM PROFILE
 LINE 1300E X LP2

SCALE - 1:5000

5 cm



DELAY (CH.)

0.05 (C1)
 0.10 (C2)
 0.15 (C3)
 0.20 (C4)
 0.28 (C5)
 0.37 (C6)
 0.47 (C7)
 0.57 (C8)
 0.73 (C9)
 0.92 (C10)
 1.12 (C11)
 1.33 (C12)
 1.62 (C13)
 2.03 (C14)

SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : 08-02-91
 CONFIGURATION : 600M SQUARE TX. LOOP,
 TURAM MODE RVR SURVEY

READING INT. : 25 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM 3 S/N 3
 CURRENT : 10.4 AMPS
 OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 4CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

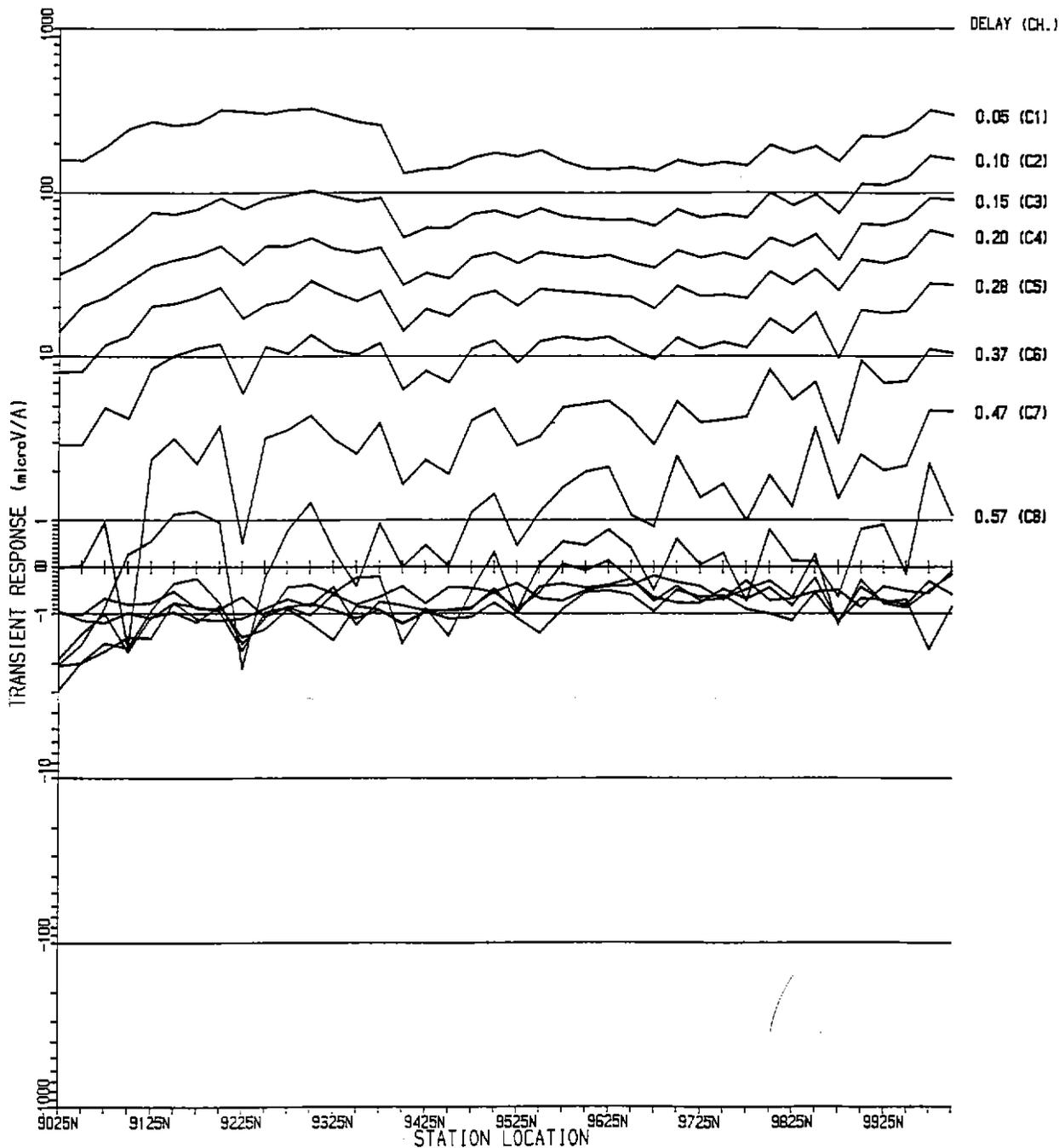
TIME DELAYS IN MILLISECONDS
 E - EARLY TIMES SERIES
 S - STANDARD TIMES SERIES
 C - COMPOSITE SERIES

RGC EXPLORATION

TASMANIA
 MT. JACOB
 SIROTEM PROFILE
 LINE 1300E Z LP2

SCALE - 1:5000





SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKINNING GEOPHYSICS

SURVEY DATE : 06-02-91
 CONFIGURATION : 600M SQUARE TX. LOOP
 TURAM MODE RVR SURVEY
 READING INT. : 25 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM 3 S/N 3
 CURRENT : 10.4 AMPS
 OPERATOR : P McSKINNING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 4CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

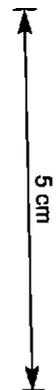
TIME DELAYS IN MILLISECONDS
 E - EARLY TIMES SERIES
 S - STANDARD TIMES SERIES
 C - COMPOSITE SERIES

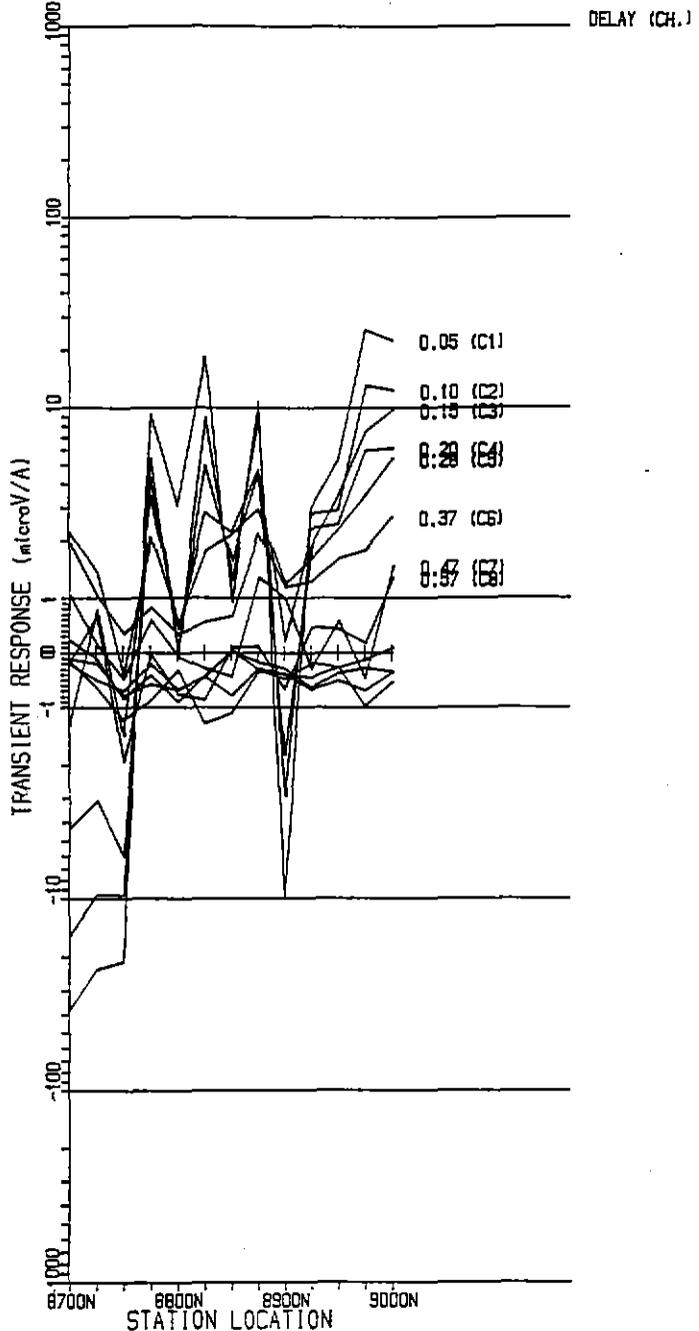
RGC EXPLORATION

TASMANIA
 MT. JACOB
 SIROTEM PROFILE
 LINE 1300E X LP2

SCALE - 1:5000

138048





SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : 02-02-91
 CONFIGURATION : 600M SQUARE TX. LOOP,
 TURAN MODE RVR SURVEY
 READING INT. : 25 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM 3 S/N 3
 CURRENT : 10.0 AMPS
 OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 4CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

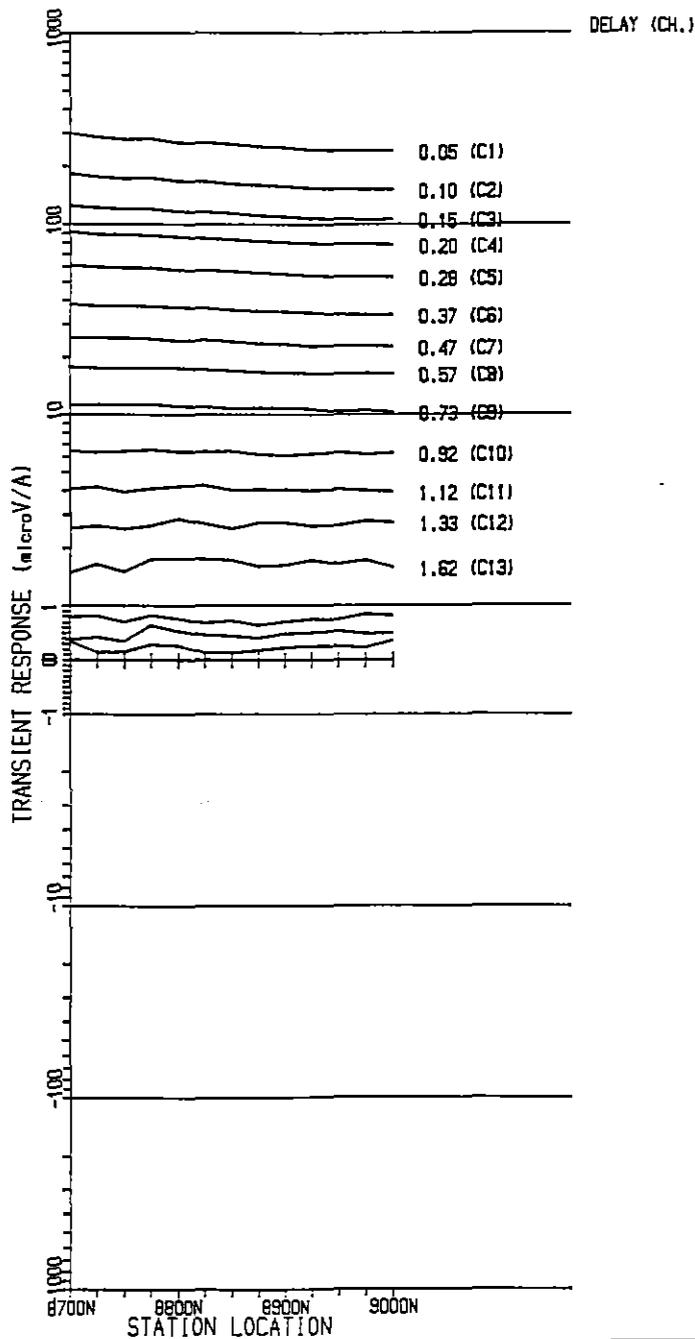
TIME DELAYS IN MILLISECONDS
 E - EARLY TIMES SERIES
 S - STANDARD TIMES SERIES
 C - COMPOSITE SERIES

RGC EXPLORATION

TASMANIA
 MT. JACOB
 SIROTEM PROFILE
 LINE 1300E X LP1

SCALE - 1:5000





SURVEY SPECIFICATIONS

DATA ACQUIS'N : McSKINMING GEOPHYSICS

SURVEY DATE : 02-02-91
 CONFIGURATION : 600M SQUARE TX. LOOP
 TURAM MODE RVR SURVEY
 READING INT. : 25 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM 3 S/N 3
 CURRENT : 10.0 AMPS
 OPERATOR : P McSKINMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 4CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

TIME DELAYS IN MILLISECONDS
 E - EARLY TIMES SERIES
 S - STANDARD TIMES SERIES
 C - COMPOSITE SERIES

RGC EXPLORATION

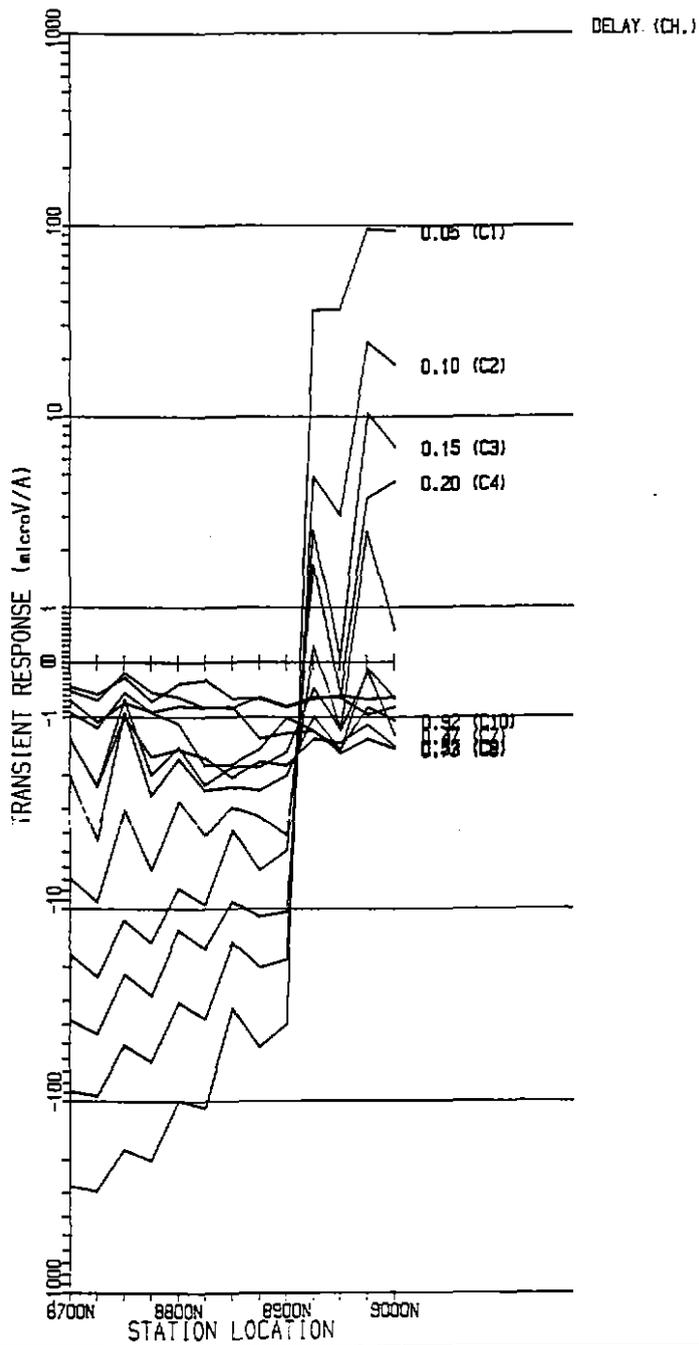
TASMANIA
 MT. JACOB
 SIROTEM PROFILE
 LINE 1300E Z LP1

SCALE - 1:5000

5 cm

47

133050



SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : 04-02-91
 CONFIGURATION : 600M SQUARE TX. LOOP,
 TURAM MODE RVR SURVEY
 READING INT. : 25 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM 3 S/N 3
 CURRENT : 10.4 AMPS
 OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 4CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

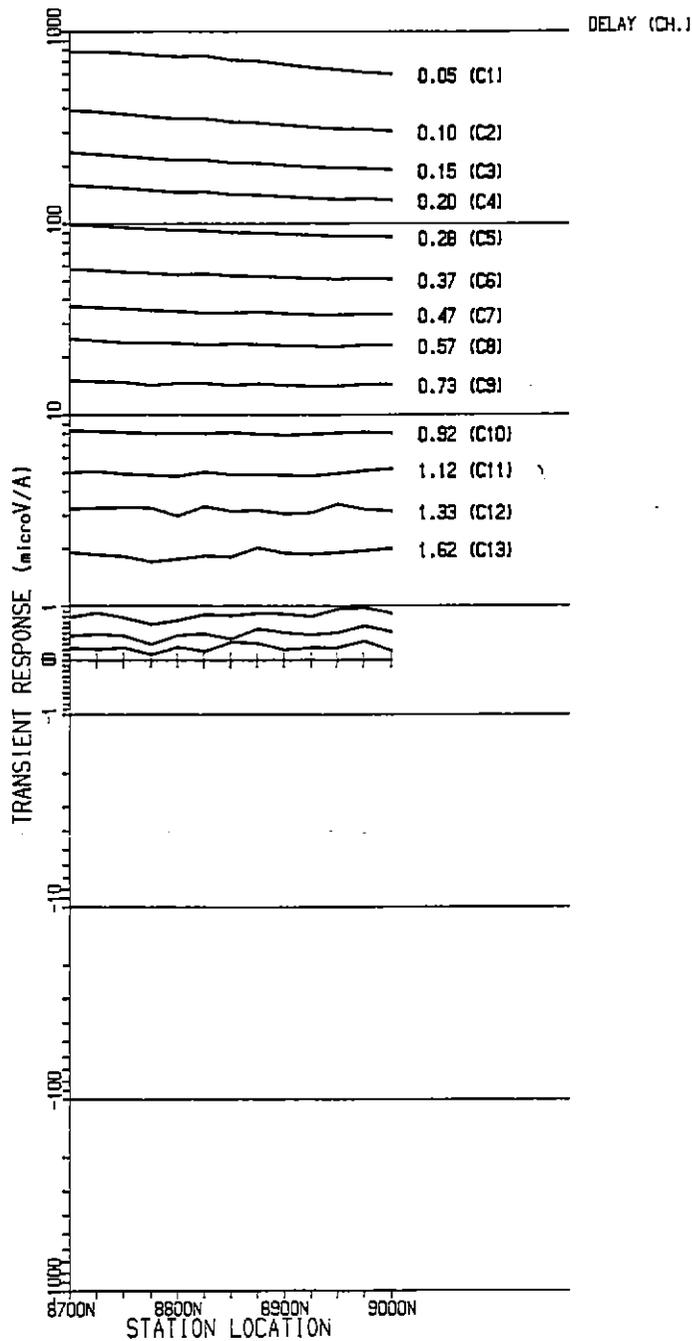
TIME DELAYS IN MILLISECONDS
 E - EARLY TIMES SERIES
 S - STANDARD TIMES SERIES
 C - COMPOSITE SERIES

RGC EXPLORATION

TASMANIA
 MT. JACOB
 SIROTEM PROFILE
 LINE 1100E X LP2

SCALE - 1:5000





SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKINMING GEOPHYSICS

SURVEY DATE : 04-02-91
CONFIGURATION : 600M SQUARE TX. LOOP,
TURAM MODE RVR SURVEY

READING INT. : 25 METRES
NO. OF STACKS : 1024
TRANSMITTER : MEDIUM POWER
RECEIVER : SIROTEM 3 S/N 3
CURRENT : 10.4 AMPS
OPERATOR : P McSKINMING

PLOT SPECIFICATIONS

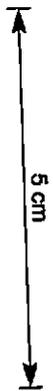
HORIZONTAL SCALE - 1:5000
VERTICAL SCALE - LOGARITHMIC
4CM. PER DECADE
LINEAR BETWEEN
-1 AND +1

TIME DELAYS IN MILLISECONDS
E - EARLY TIMES SERIES
S - STANDARD TIMES SERIES
C - COMPOSITE SERIES

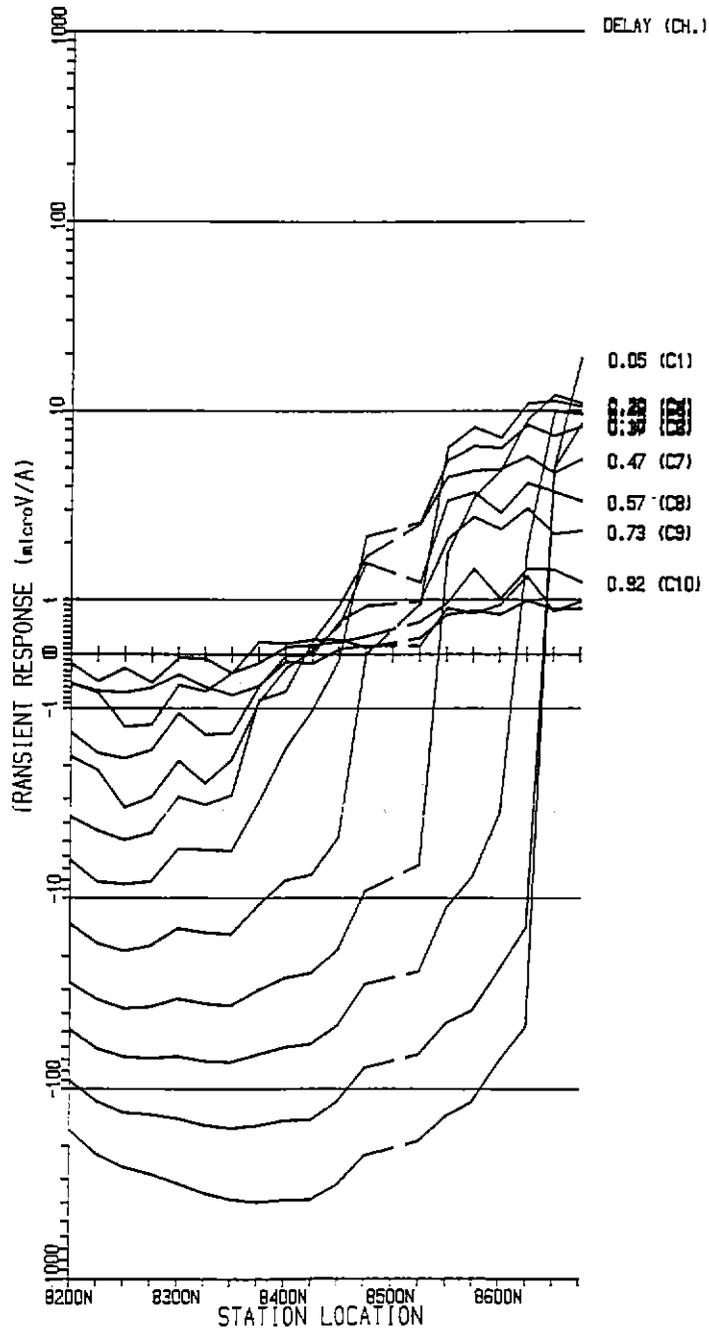
RGC EXPLORATION

TASMANIA
MT. JACOB
SIROTEM PROFILE
LINE 1100E Z LP2

SCALE - 1:5000



51
133052



SURVEY SPECIFICATIONS

DATA ACQUIS'N : McSKIMMING GEOPHYSICS

SURVEY DATE : 03-02-91
 CONFIGURATION : 600M SQUARE TX. LOOP,
 TURAM MODE RVR SURVEY

READING INT. : 25 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM 3 S/N 3
 CURRENT : 10.0 AMPS
 OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 4CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

TIME DELAYS IN MILLISECONDS
 E - EARLY TIMES SERIES
 S - STANDARD TIMES SERIES
 C - COMPOSITE SERIES

RGC EXPLORATION

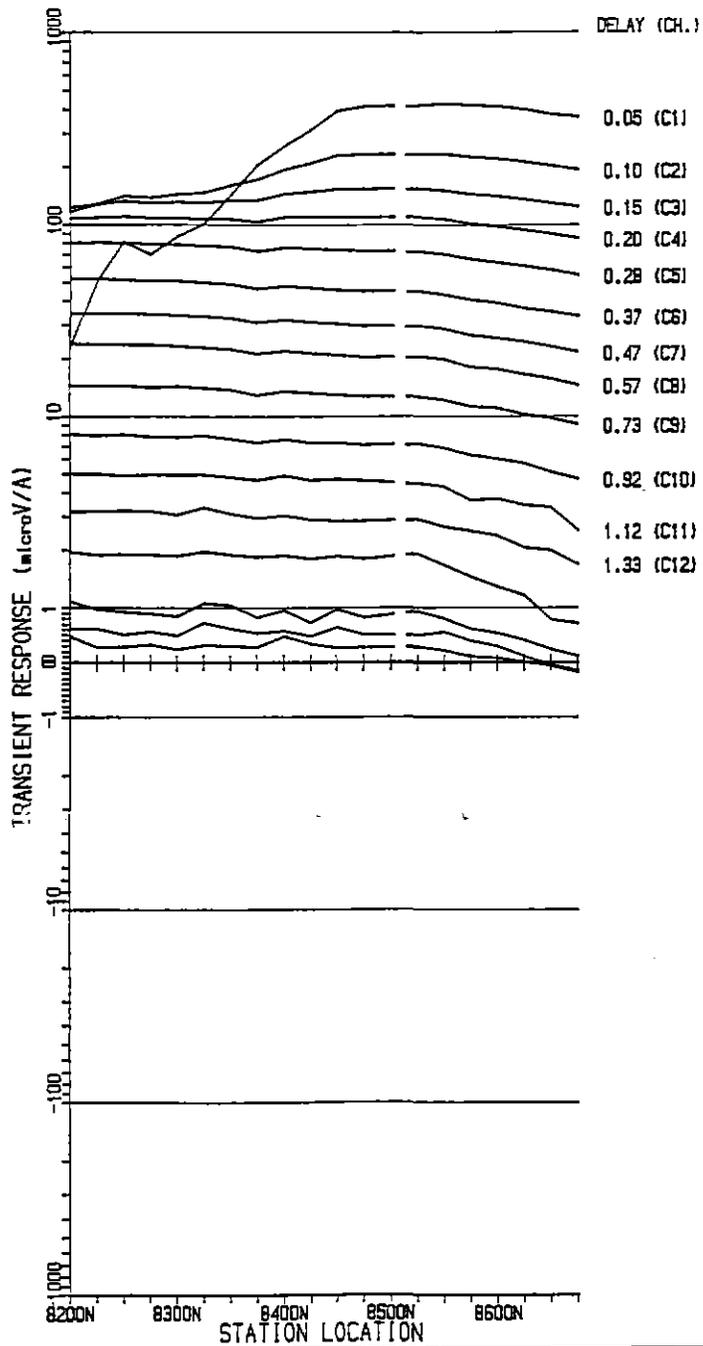
TASMANIA
 MT. JACOB
 SIROTEM PROFILE
 LINE 1100E X LP1

SCALE - 1:5000

5 cm

138053

52



SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : 03-02-91
 CONFIGURATION : 600M SQUARE TX. LOOP,
 TURAM MODE RVR SURVEY
 READING INT. : 25 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM 3 S/N 3
 CURRENT : 10.0 AMPS
 OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 4CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

TIME DELAYS IN MILLISECONDS
 E - EARLY TIMES SERIES
 S - STANDARD TIMES SERIES
 C - COMPOSITE SERIES

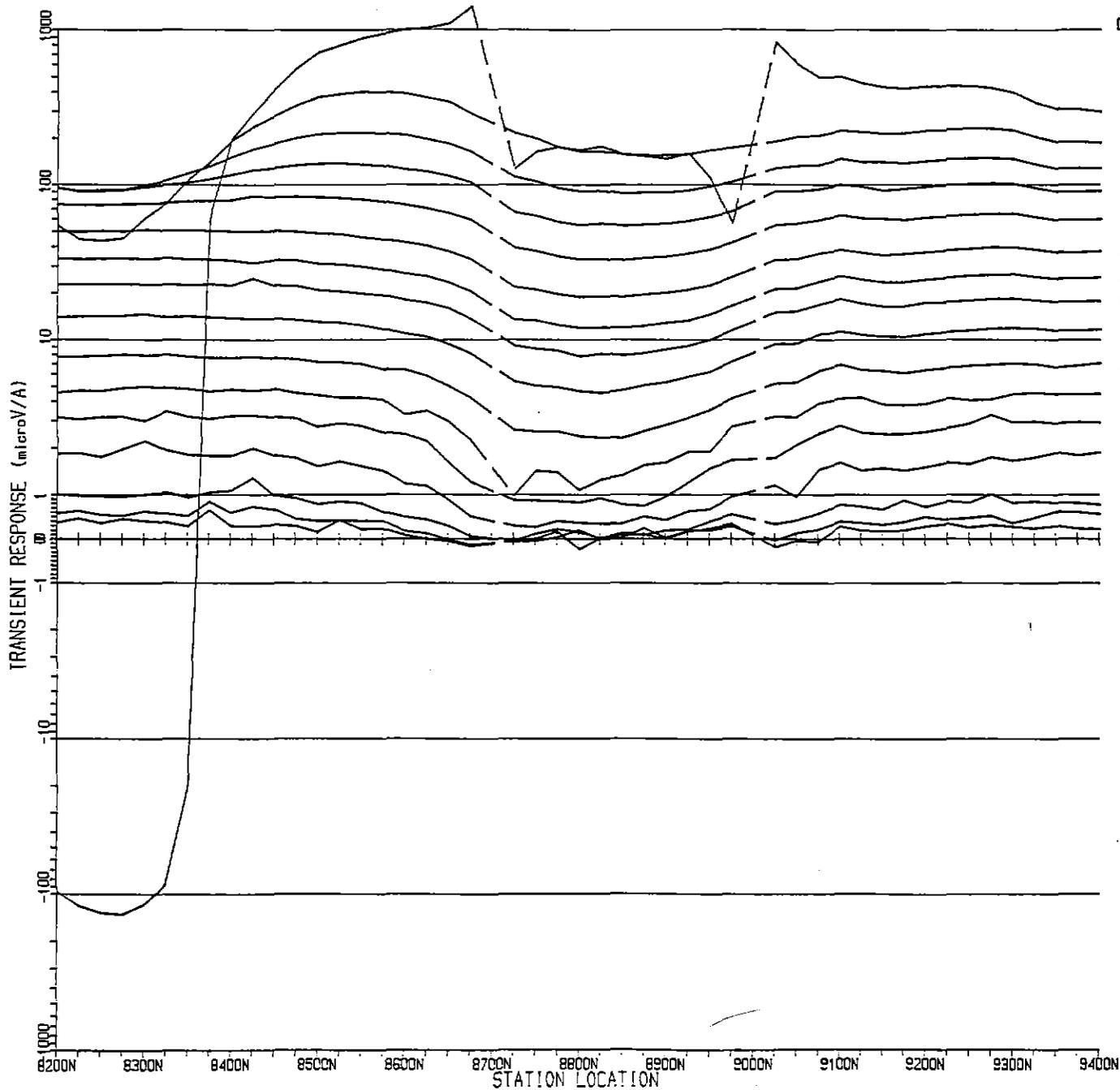
RGC EXPLORATION

TASMANIA
 MT. JACOB
 SIROTEM PROFILE
 LINE 1100E Z LP1

SCALE - 1:5000

133054

53



- DELAY (CH.)
- 0.05 (C1)
 - 0.10 (C2)
 - 0.15 (C3)
 - 0.20 (C4)
 - 0.28 (C5)
 - 0.37 (C6)
 - 0.47 (C7)
 - 0.57 (C8)
 - 0.73 (C9)
 - 0.92 (C10)
 - 1.12 (C11)
 - 1.33 (C12)
 - 1.62 (C13)

SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : 03-02-91

CONFIGURATION : 600M SQUARE TX. LOOP,
TURAM MODE RVR SURVEY

READING INT. : 25 METRES

NO. OF STACKS : 1024

TRANSMITTER : MEDIUM POWER

RECEIVER : SIROTEM 3 S/N 3

CURRENT : 10.0 AMPS

OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000

VERTICAL SCALE - LOGARITHMIC
4CM. PER DECADE
LINEAR BETWEEN
-1 AND +1

TIME DELAYS IN MILLISECONDS

E - EARLY TIMES SERIES

S - STANDARD TIMES SERIES

C - COMPOSITE SERIES

RGC EXPLORATION

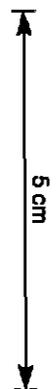
TASMANIA
MT. JACOB

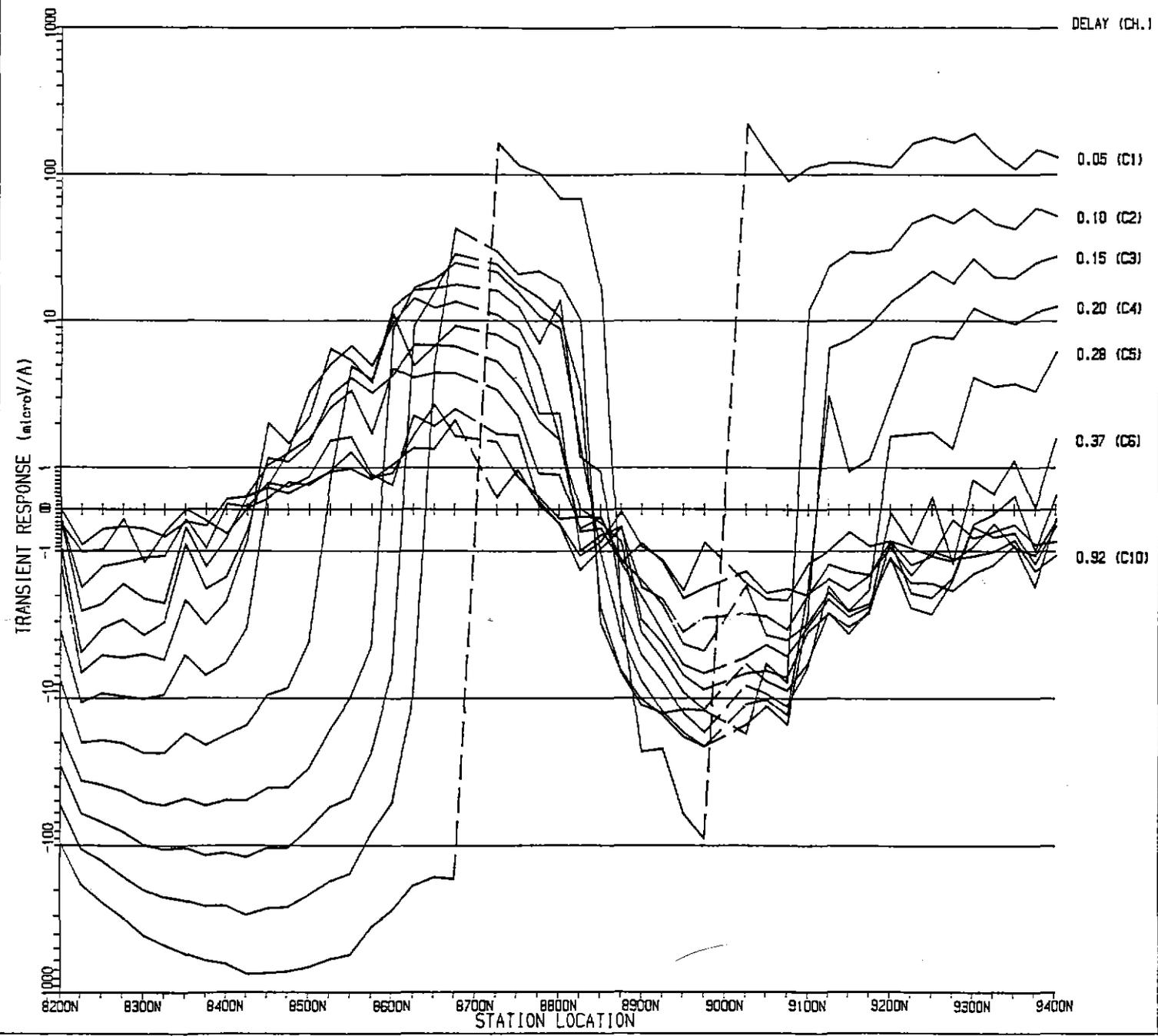
SIROTEM PROFILE
LINE 900E Z LP1

SCALE - 1:5000

54

138055





SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKINNING GEOPHYSICS

SURVEY DATE : 03-02-91

CONFIGURATION : 600M SQUARE TX. LOOP,
TURAM MODE RVR SURVEY

READING INT. : 25 METRES

NO. OF STACKS : 1024

TRANSMITTER : MEDIUM POWER

RECEIVER : SIROTEM 3 S/N 3

CURRENT : 10.0 AMPS

OPERATOR : P McSKINNING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000

VERTICAL SCALE - LOGARITHMIC
4CM. PER DECADE
LINEAR BETWEEN
-1 AND +1

TIME DELAYS IN MILLISECONDS

E - EARLY TIMES SERIES

S - STANDARD TIMES SERIES

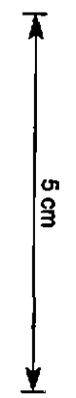
C - COMPOSITE SERIES

RGC EXPLORATION

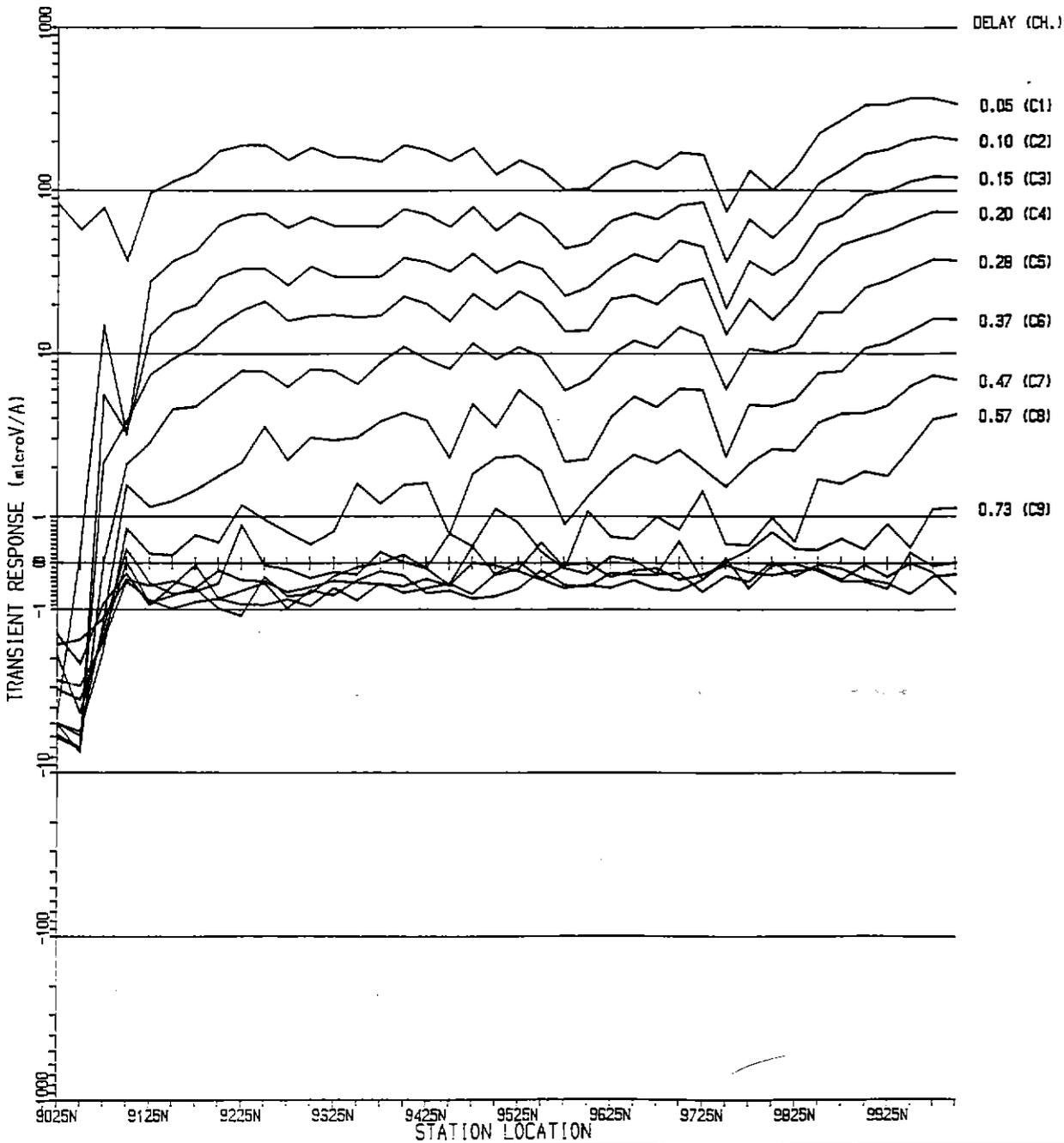
TASMANIA
MT. JACOB

SIROTEM PROFILE
LINE 900E X LP1

SCALE - 1:5000



133057



SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : 03-02-91
 CONFIGURATION : 600M SQUARE TX. LOOP,
 TURAM MODE RVR SURVEY
 READING INT. : 25 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM 3 S/N 3
 CURRENT : 10.0 AMPS
 OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

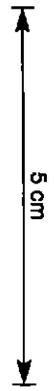
HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 4CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

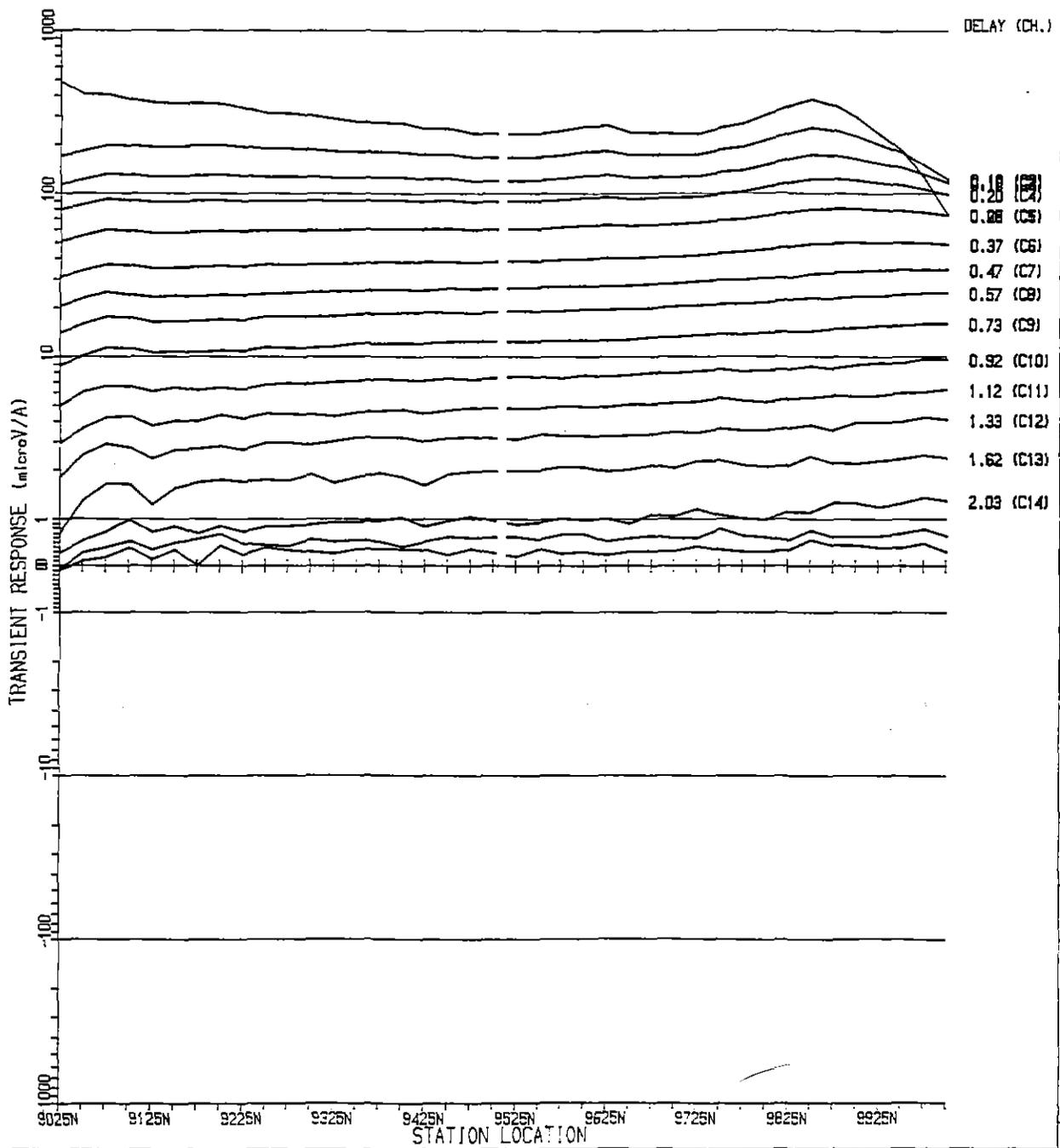
TIME DELAYS IN MILLISECONDS
 E - EARLY TIMES SERIES
 S - STANDARD TIMES SERIES
 C - COMPOSITE SERIES

RGC EXPLORATION

TASMANIA
 MT. JACOB
 SIROTEM PROFILE
 LINE 1100E X LP1

SCALE - 1:5000





DELAY (CH.)

- 0.10 (C4)
- 0.20 (C5)
- 0.37 (C6)
- 0.47 (C7)
- 0.57 (C8)
- 0.73 (C9)
- 0.92 (C10)
- 1.12 (C11)
- 1.33 (C12)
- 1.62 (C13)
- 2.03 (C14)

SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : 03-02-91

CONFIGURATION : 600M SQUARE TX. LOOP,
TURAM MODE RVR SURVEY

READING INT. : 25 METRES

NO. OF STACKS : 1024

TRANSMITTER : MEDIUM POWER

RECEIVER : SIROTEM 3 S/N 3

CURRENT : 10.0 AMPS

OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000

VERTICAL SCALE - LOGARITHMIC
4CM. PER DECADE
LINEAR BETWEEN
-1 AND +1

TIME DELAYS IN MILLISECONDS

E - EARLY TIMES SERIES

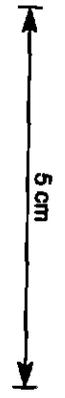
S - STANDARD TIMES SERIES

C - COMPOSITE SERIES

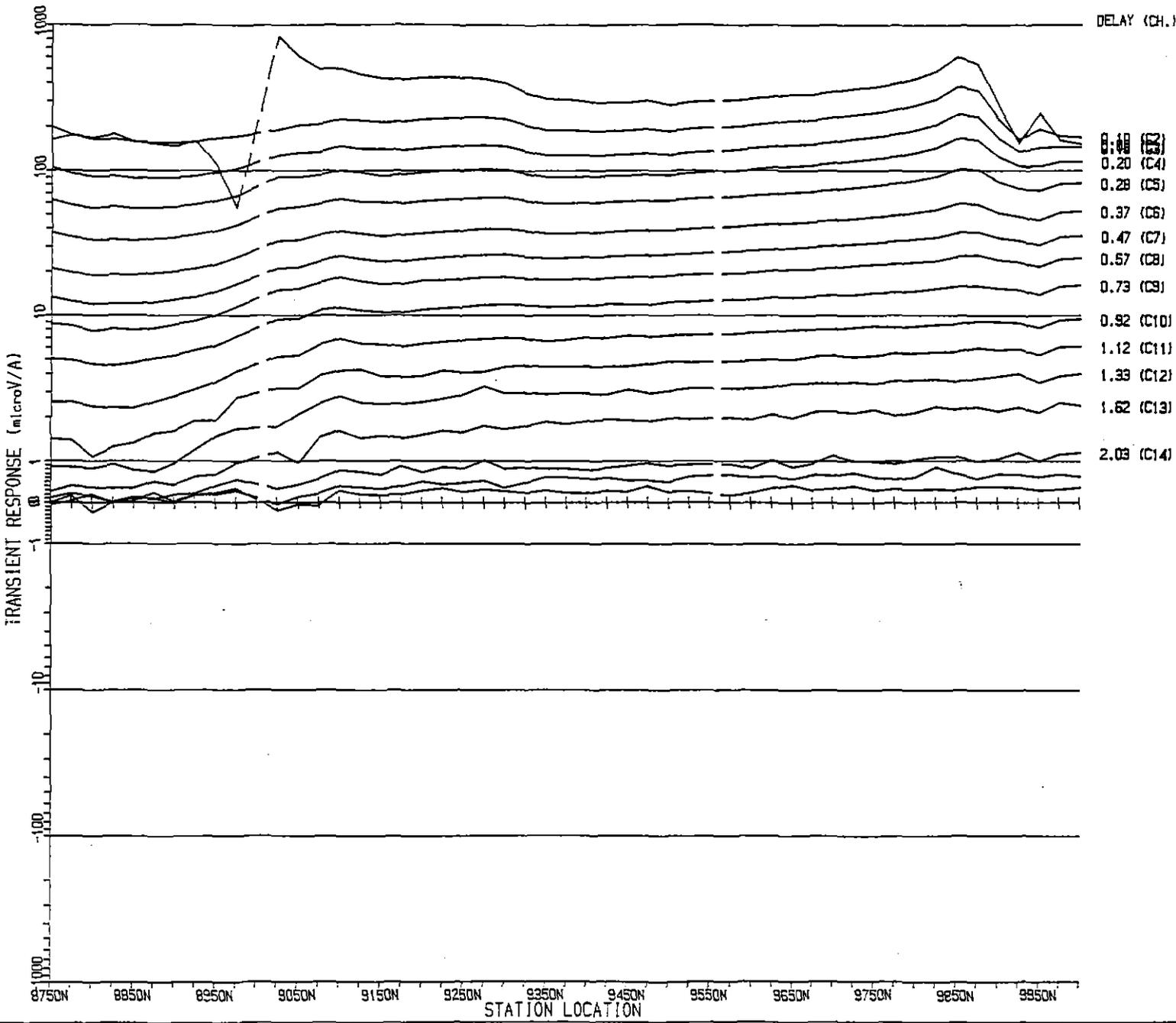
RGC EXPLORATION

TASMANIA
MT. JACOB
SIROTEM PROFILE
LINE 1100E Z LP1

SCALE - 1:5000



51
133058



SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : 03-02-91
 CONFIGURATION : 600M SQUARE TX. LOOP,
 TURAM MODE RVR SURVEY
 READING INT. : 25 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM 3 S/N 3
 CURRENT : 10.0 AMPS
 OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 4CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

TIME DELAYS IN MILLISECONDS
 E - EARLY TIMES SERIES
 S - STANDARD TIMES SERIES
 C - COMPOSITE SERIES

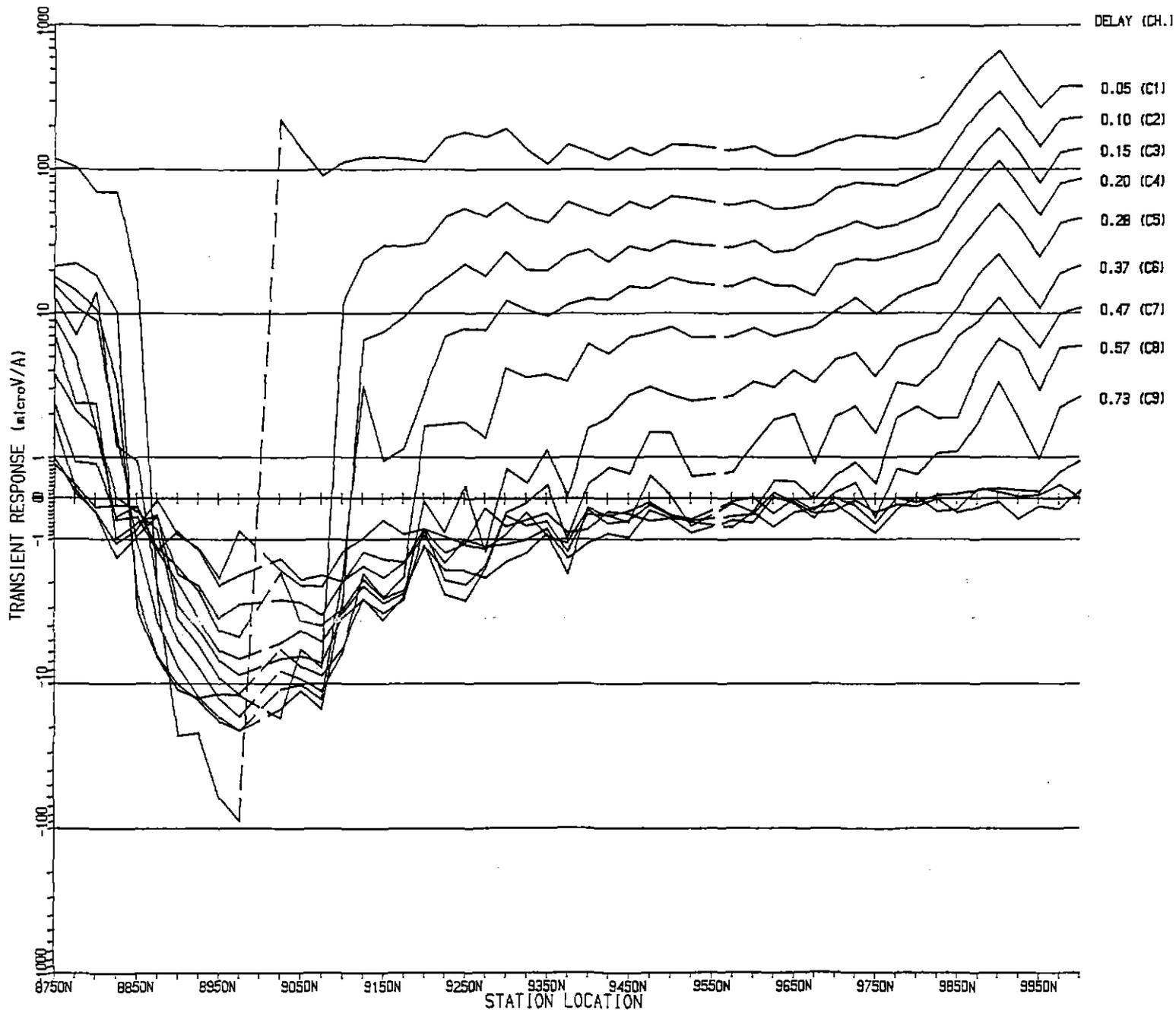
RGC EXPLORATION

TASMANIA
MT. JACOB

SIROTEM PROFILE
LINE 900E Z LP1

SCALE - 1:5000





SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : 03-02-91
 CONFIGURATION : 600M SQUARE TX. LOOP,
 TURAM MODE RVR SURVEY

READING INT. : 25 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM 3 S/N 3
 CURRENT : 10.0 AMPS
 OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 4CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

TIME DELAYS IN MILLISECONDS
 E - EARLY TIMES SERIES
 S - STANDARD TIMES SERIES
 C - COMPOSITE SERIES

RGC EXPLORATION

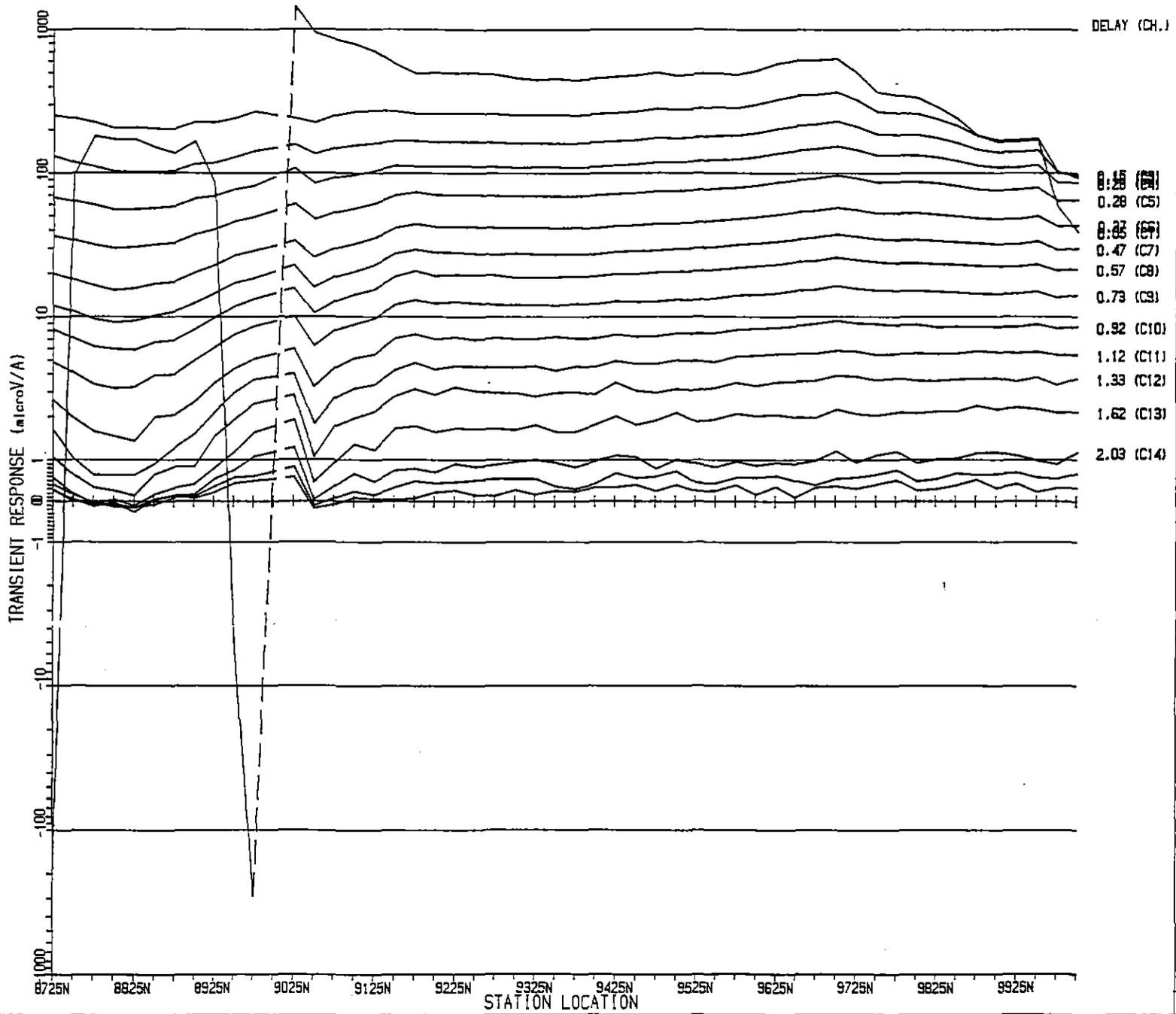
TASMANIA
 MT. JACOB
 SIROTEM PROFILE
 LINE 900E X LP1

SCALE - 1:5000

RGC

133060

5 cm



DELAY (CH.)

- 0:25 (E)
- 0:28 (C5)
- 0:35 (E7)
- 0:47 (C7)
- 0:57 (C8)
- 0:73 (C9)
- 0:92 (C10)
- 1:12 (C11)
- 1:33 (C12)
- 1:62 (C13)
- 2:09 (C14)

SURVEY SPECIFICATIONS .

DATA ACQUIS'N : McSKIMMING GEOPHYSICS

SURVEY DATE : 31-01-91
 CONFIGURATION : 600M SQUARE TX. LOOP,
 TURAM MODE RVR SURVEY

READING INT. : 25 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM 3 S/N 3
 CURRENT : 10.0 AMPS
 OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 4CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

TIME DELAYS IN MILLISECONDS
 E - EARLY TIMES SERIES
 S - STANDARD TIMES SERIES
 C - COMPOSITE SERIES

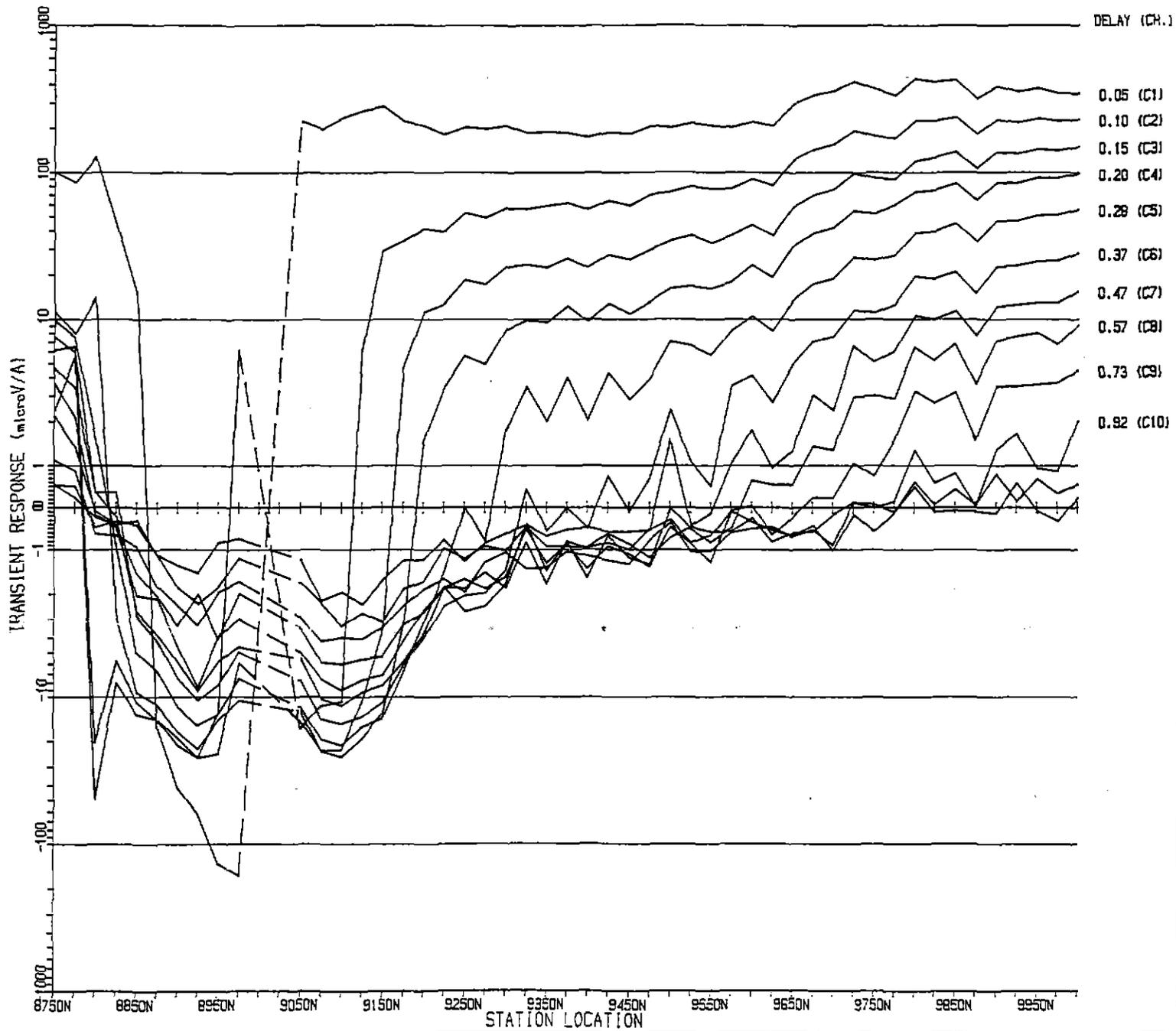
RGC EXPLORATION

TASMANIA
 MT. JACOB
 SIROTEM PROFILE
 LINE 700E Z LP1

SCALE - 1:5000

138061





SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : 31-01-91

CONFIGURATION : 600W SQUARE TX. LOOP,
TURAM MODE RVR SURVEY

READING INT. : 25 METRES

NO. OF STACKS : 1024

TRANSMITTER : MEDIUM POWER

RECEIVER : SIROTEM 3 S/N 3

CURRENT : 10.0 AMPS

OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000

VERTICAL SCALE - LOGARITHMIC
4CM. PER DECADE
LINEAR BETWEEN
-1 AND +1

TIME DELAYS IN MILLISECONDS

E - EARLY TIMES SERIES

S - STANDARD TIMES SERIES

C - COMPOSITE SERIES

RGC EXPLORATION

TASMANIA
MT. JACOB

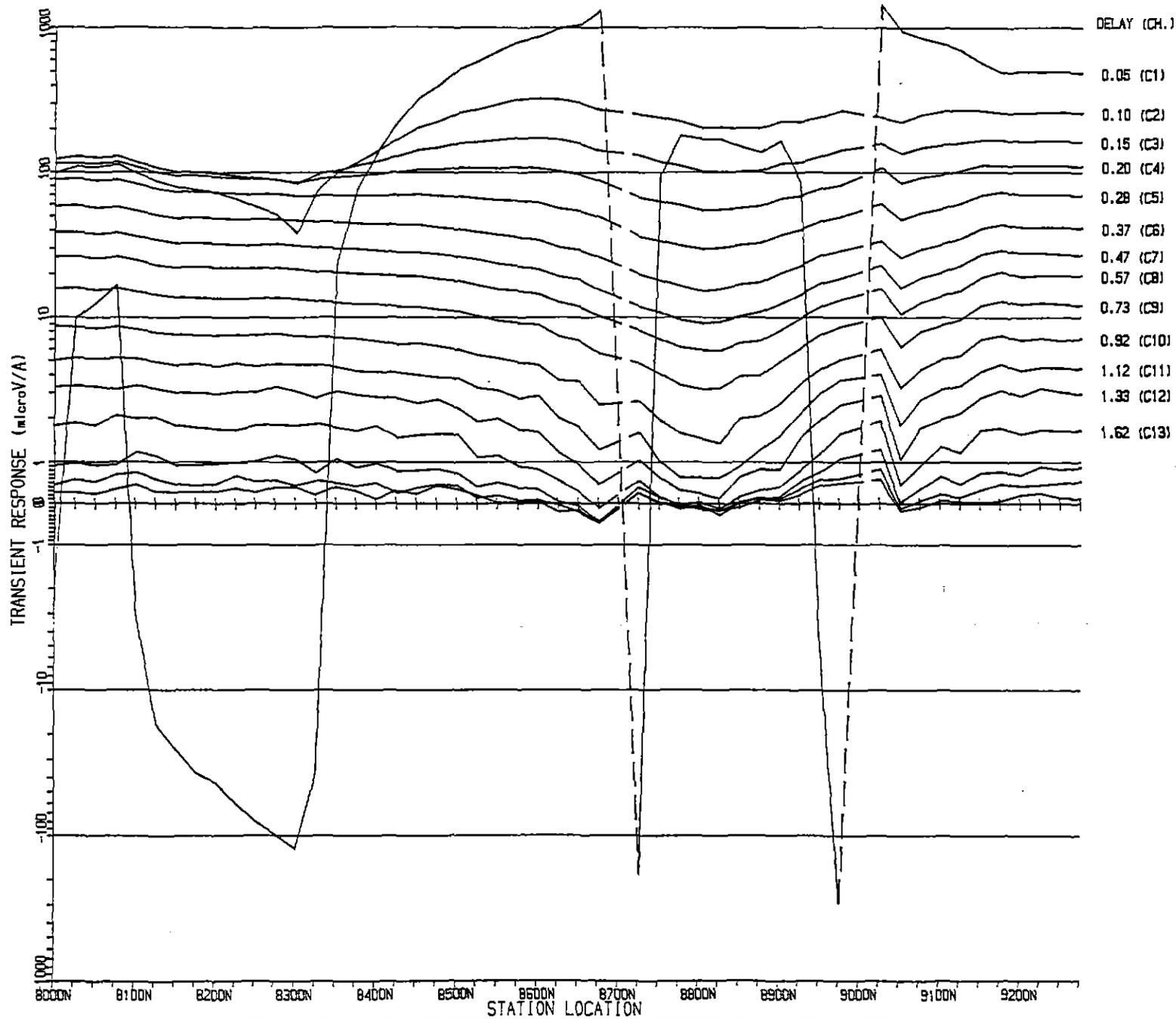
SIROTEM PROFILE
LINE 700E X LP1

SCALE - 1:5000

61

133052

5 cm



SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : 31-01-91
 CONFIGURATION : 600M SQUARE TX. LOOP,
 TURAM MODE RVR SURVEY
 READING INT. : 25 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM 3 S/N 3
 CURRENT : 10.0 AMPS
 OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 4CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

TIME DELAYS (N MILLISECONDS)
 E - EARLY TIMES SERIES
 S - STANDARD TIMES SERIES
 C - COMPOSITE SERIES

RGC EXPLORATION

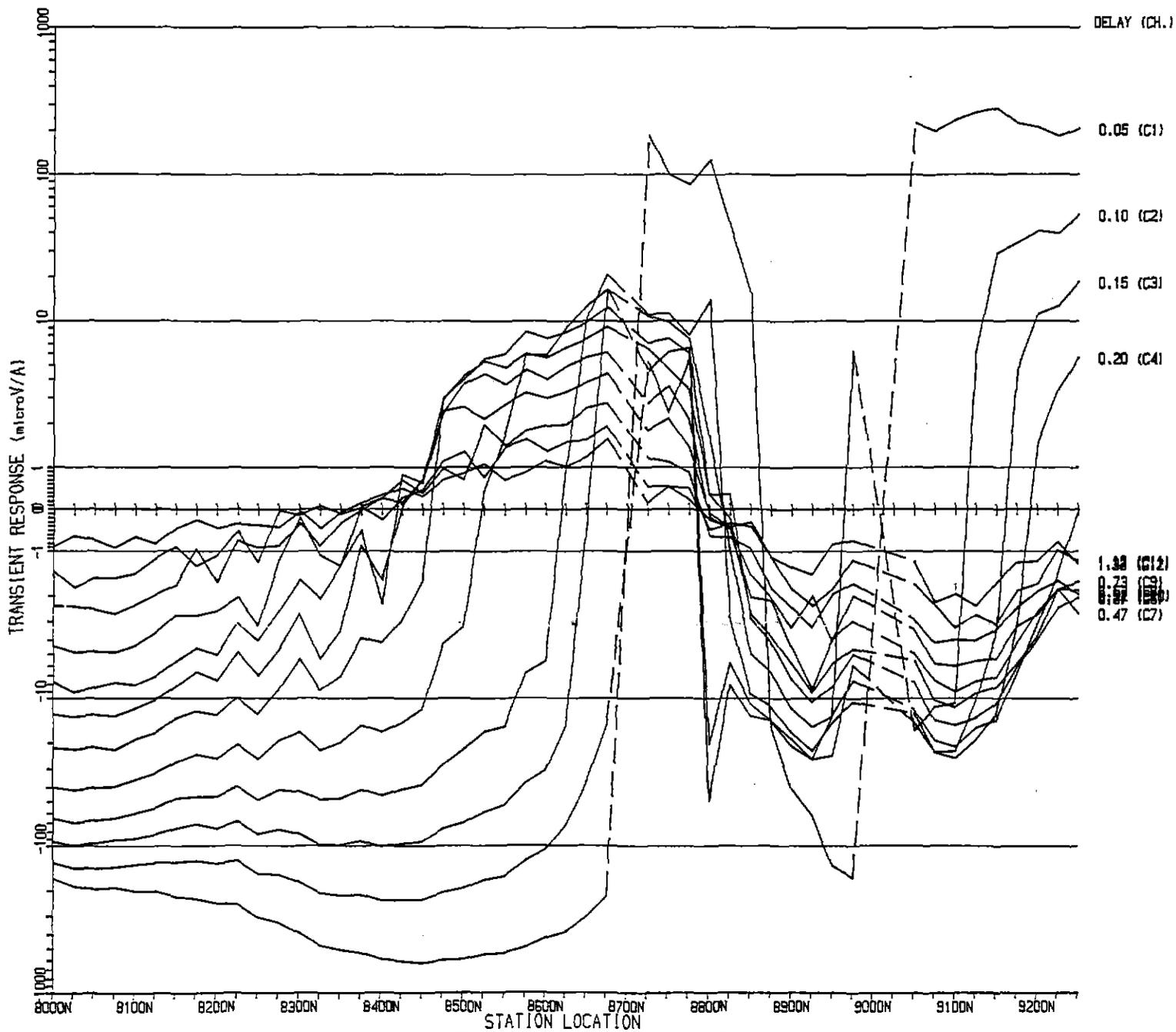
TASMANIA
 MT. JACOB
 SIROTEM PROFILE
 LINE 700E Z LP1

SCALE - 1:5000

62

133069

5cm



SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : 31-01-91
 CONFIGURATION : 600M SQUARE TX. LOOP,
 TURAM MODE RVR SURVEY

READING INT. : 25 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM 3 S/N 3
 CURRENT : 10.0 AMPS
 OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 4CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

TIME DELAYS IN MILLISECONDS
 E - EARLY TIMES SERIES
 S - STANDARD TIMES SERIES
 C - COMPOSITE SERIES

DELAY (CH.)
 0.05 (C1)
 0.10 (C2)
 0.15 (C3)
 0.20 (C4)
 1.38 (C12)
 0.73 (C9)
 0.97 (C11)
 0.47 (C7)

RGC EXPLORATION

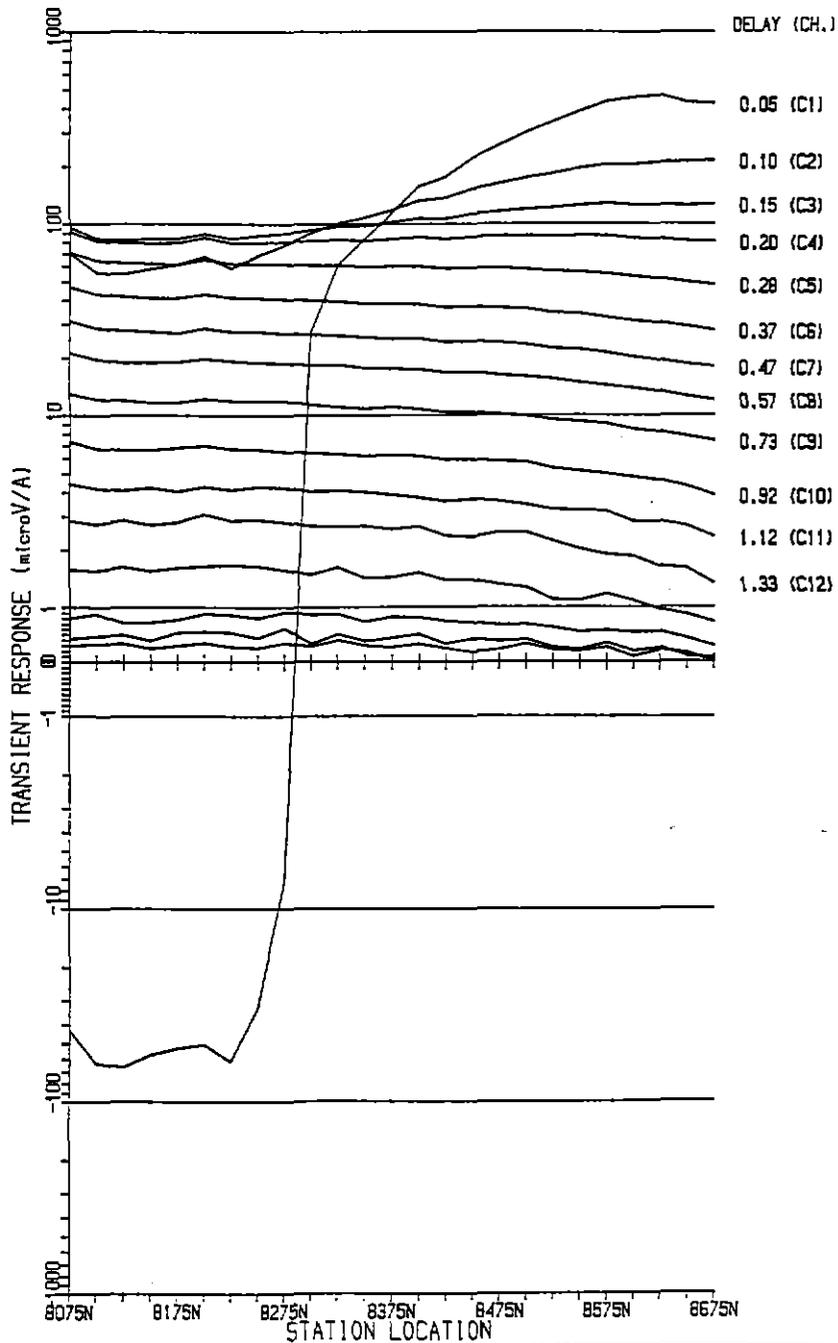
TASMANIA
 MT. JACOB
 SIROTEM PROFILE
 LINE 700E X LP1

SCALE - 1:5000

133064

5 cm

63



DELAY (CH.)

0.05 (C1)

0.10 (C2)

0.15 (C3)

0.20 (C4)

0.28 (C5)

0.37 (C6)

0.47 (C7)

0.57 (C8)

0.73 (C9)

0.92 (C10)

1.12 (C11)

1.33 (C12)

SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKINNING GEOPHYSICS

SURVEY DATE : 01-02-91

CONFIGURATION : 600M SQUARE TX. LOOP,
TURAM MODE RVR SURVEY

READING INT. : 25 METRES

NO. OF STACKS : 1024

TRANSMITTER : MEDIUM POWER

RECEIVER : SIROTEM 3 S/N 3

CURRENT : 10.0 AMPS

OPERATOR : P McSKINNING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000

VERTICAL SCALE - LOGARITHMIC
4CM. PER DECADE
LINEAR BETWEEN
-1 AND #1

TIME DELAYS IN MILLISECONDS

E - EARLY TIMES SERIES

S - STANDARD TIMES SERIES

C - COMPOSITE SERIES

RGC EXPLORATION

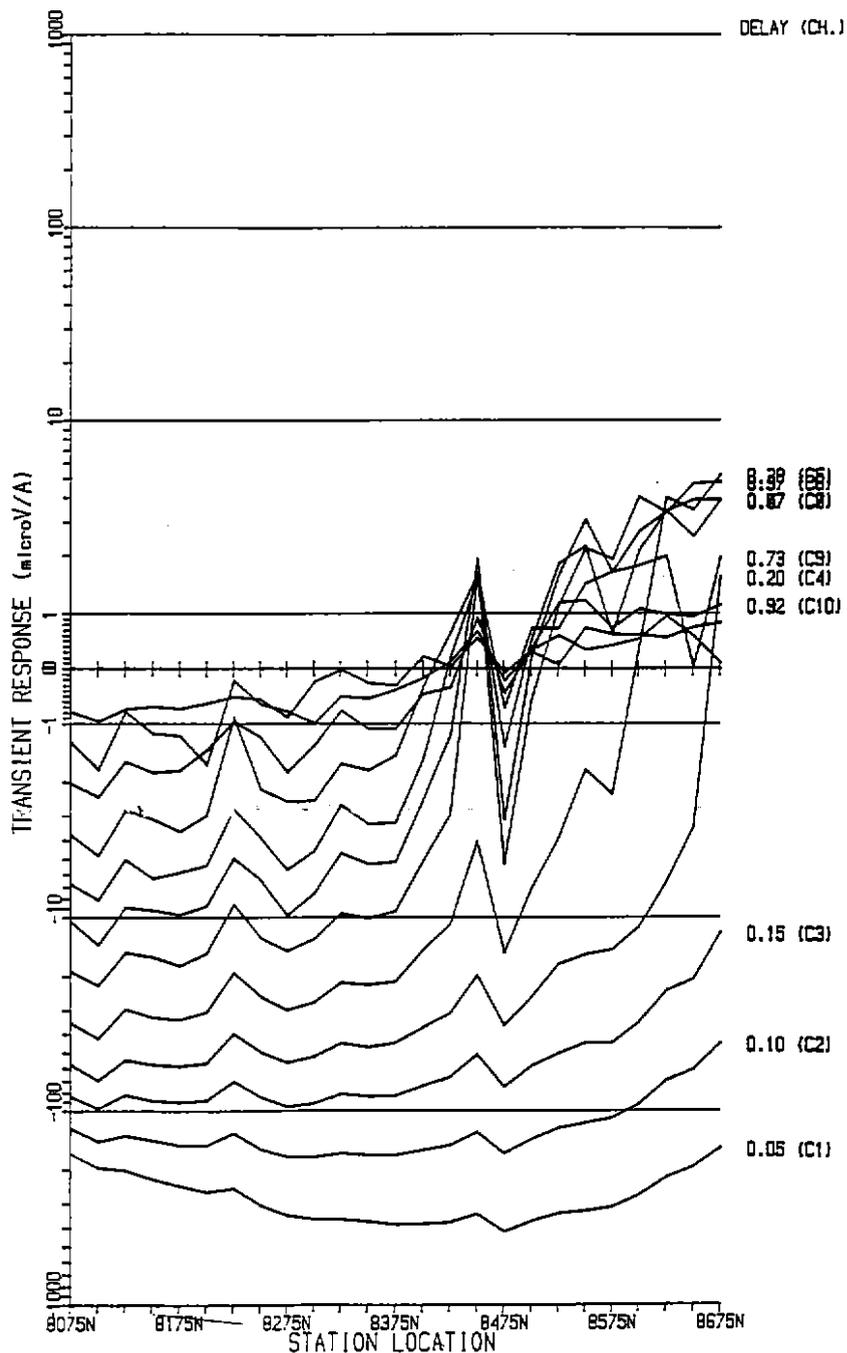
TASMANIA
MT. JACOB

SIROTEM PROFILE
LINE 500E Z LP1

SCALE - 1:5000

5 cm

133005



SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKINNING GEOPHYSICS

SURVEY DATE : 01-02-91

CONFIGURATION : 600M SQUARE TX. LOOP,
TURAM MODE RVR SURVEY

READING INT. : 25 METRES

NO. OF STACKS : 1024

TRANSMITTER : MEDIUM POWER

RECEIVER : SIROTEM 3 S/N 3

CURRENT : 10.0 AMPS

OPERATOR : P McSKINNING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000

VERTICAL SCALE - LOGARITHMIC
4CM. PER DECADE
LINEAR BETWEEN
-1 AND +1

TIME DELAYS IN MILLISECONDS

E - EARLY TIMES SERIES

S - STANDARD TIMES SERIES

C - COMPOSITE SERIES

RGC EXPLORATION

TASMANIA
MT. JACOB

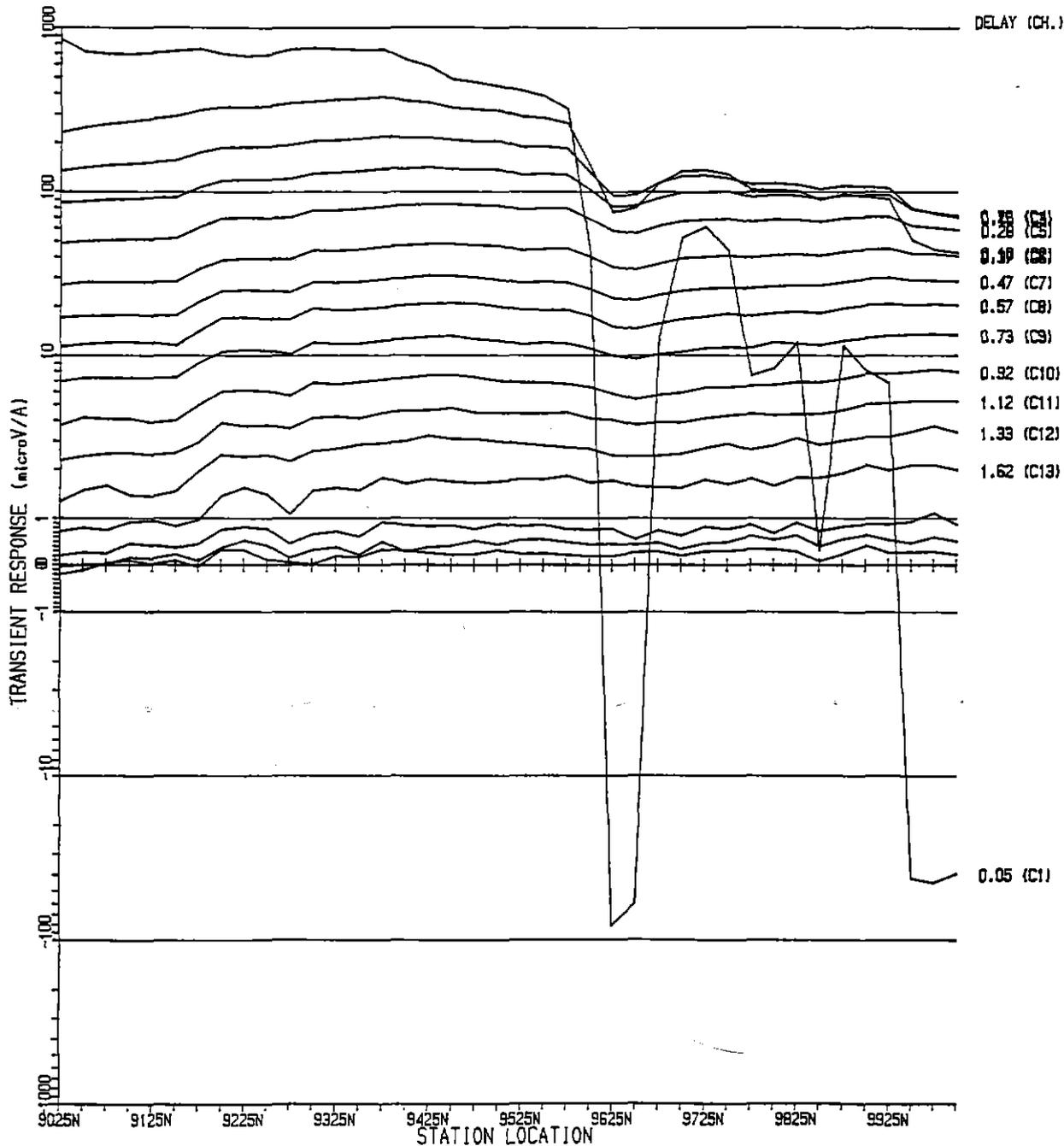
SIROTEM PROFILE
LINE 500E X LP1

SCALE - 1:5000

5 cm

138006

60



DELAY (CH.)

- 0.25 (C1)
- 0.28 (C2)
- 0.39 (C3)
- 0.47 (C7)
- 0.57 (C8)
- 0.73 (C9)
- 0.92 (C10)
- 1.12 (C11)
- 1.33 (C12)
- 1.62 (C13)

0.05 (C1)

SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : 01-02-91
 CONFIGURATION : 600M SQUARE TX. LOOP,
 TURAM MODE RVR SURVEY
 READING INT. : 25 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM 3 S/N 3
 CURRENT : 10.0 AMPS
 OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 4CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

TIME DELAYS IN MILLISECONDS
 E - EARLY TIMES SERIES
 S - STANDARD TIMES SERIES
 C - COMPOSITE SERIES

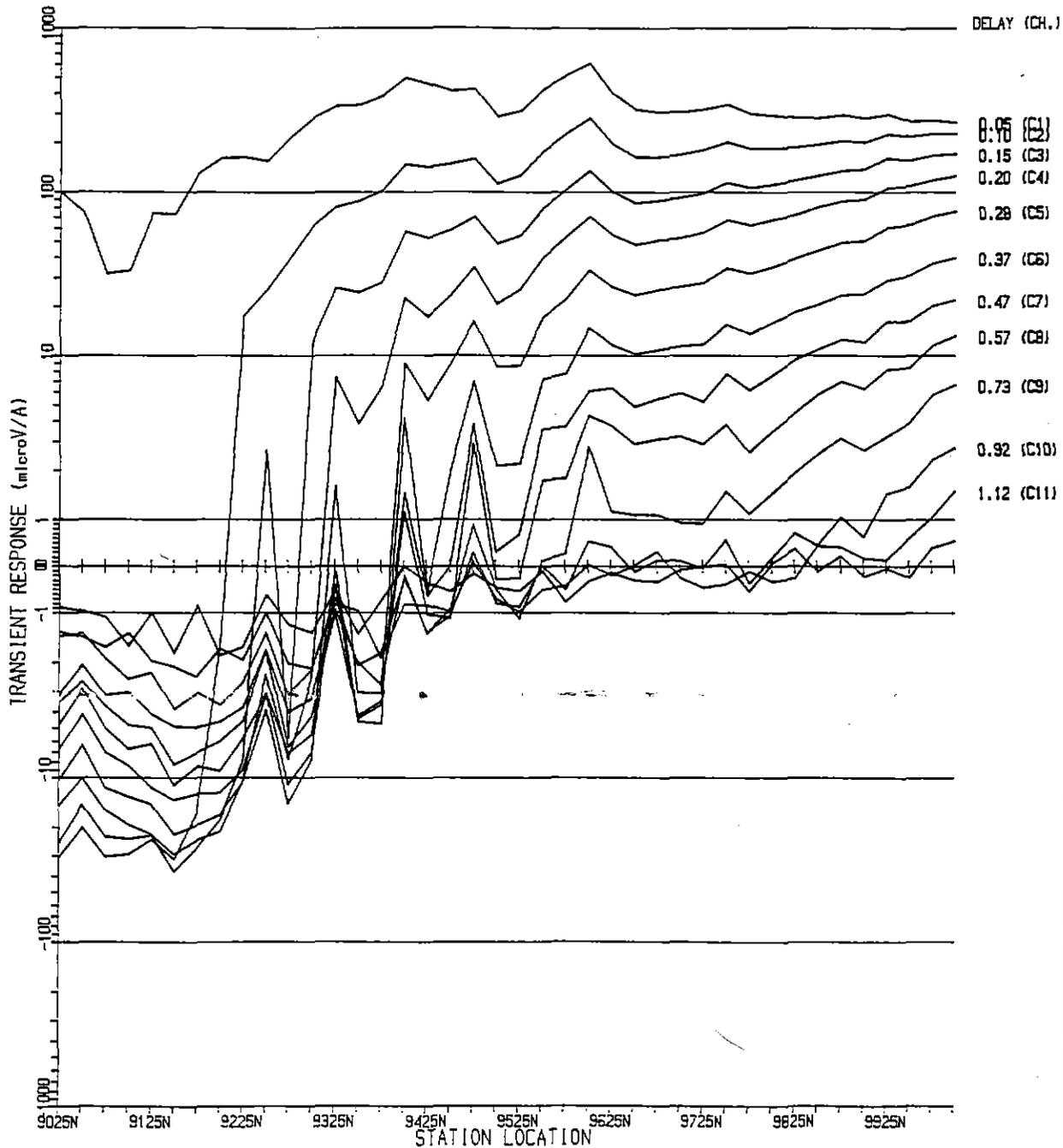
RGC EXPLORATION

TASMANIA
 MT. JACOB
 SIROTEM PROFILE
 LINE 500E Z LP1

SCALE - 1:5000

5 cm

133067



SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : 01-02-91
CONFIGURATION : 600M SQUARE TX. LOOP,
TURAM MODE RVR SURVEY

READING INT. : 25 METRES
NO. OF STACKS : 1024
TRANSMITTER : MEDIUM POWER
RECEIVER : SIROTEM 3 S/N 3
CURRENT : 10.0 AMPS
OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
VERTICAL SCALE - LOGARITHMIC
4CM. PER DECADE
LINEAR BETWEEN
-1 AND +1

TIME DELAYS IN MILLISECONDS
E - EARLY TIMES SERIES
S - STANDARD TIMES SERIES
C - COMPOSITE SERIES

RGC EXPLORATION

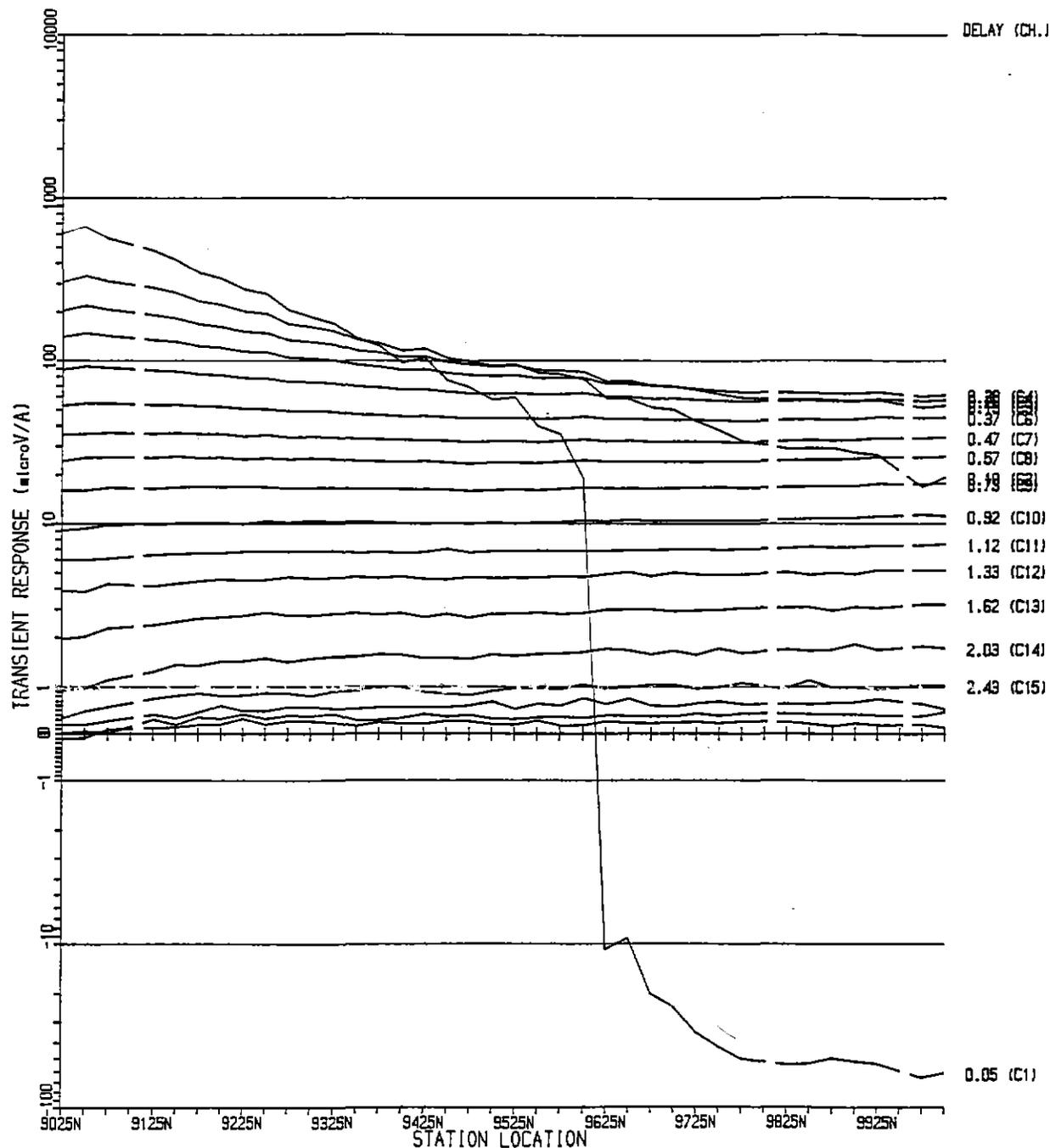
TASMANIA
MT. JACOB
SIROTEM PROFILE
LINE 500E X LP1

SCALE - 1:5000

5 cm

133008

67



SURVEY SPECIFICATIONS

DATA ACQUISITION : WSKIMMING GEOPHYSICS

SURVEY DATE : 11-02-91

CONFIGURATION : 600M SQUARE TX. LOOP,
TURAM MODE RVR SURVEY

READING INT. : 25 METRES

NO. OF STACKS : 1024

TRANSMITTER : MEDIUM POWER

RECEIVER : SIROTEM 3 S/N 2014

CURRENT : 10.4 AMPS

OPERATOR : P WSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000

VERTICAL SCALE - LOGARITHMIC
4CM. PER DECADE
LINEAR BETWEEN
-1 AND +1.

TIME DELAYS IN MILLISECONDS

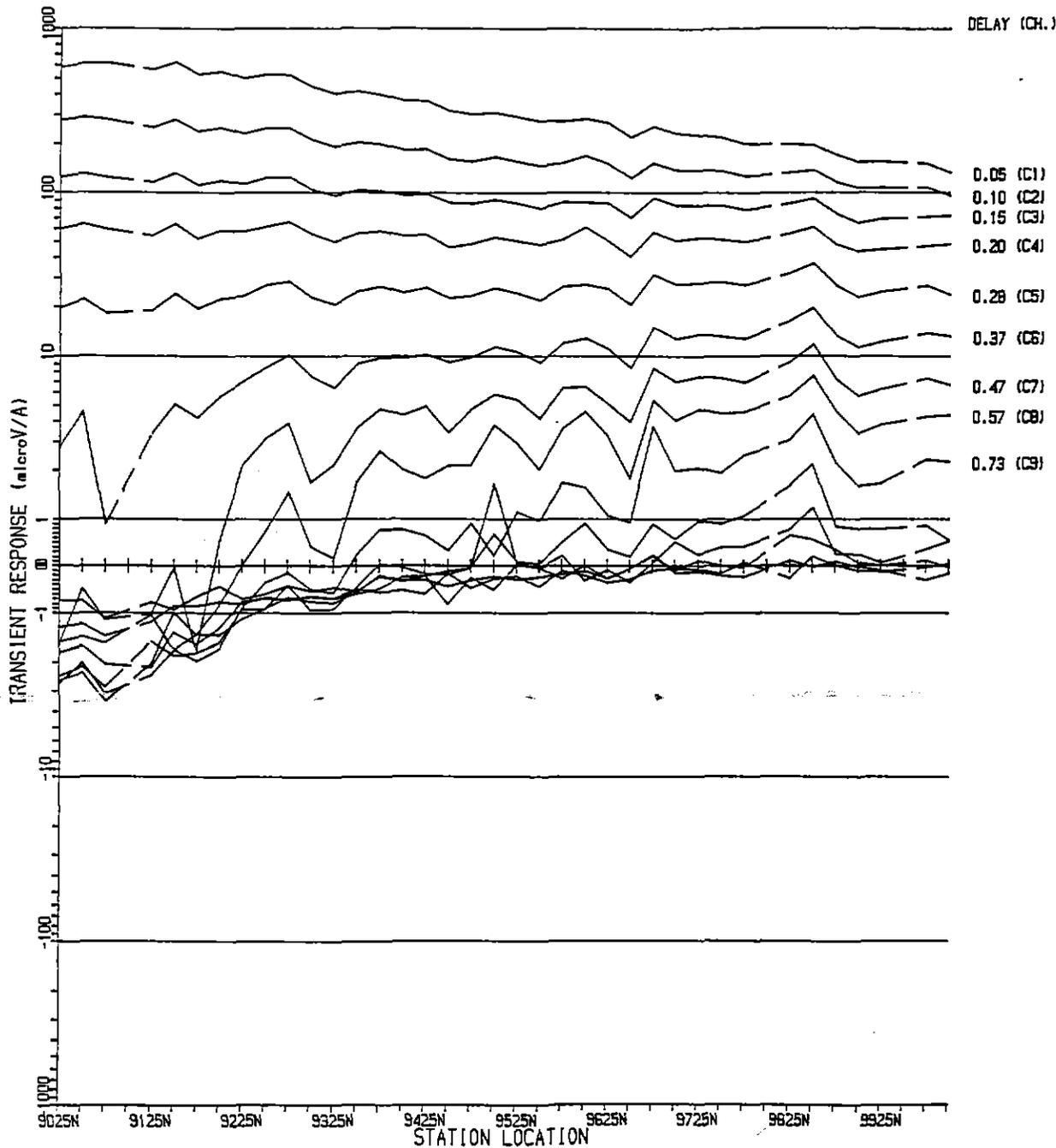
- E - EARLY TIMES SERIES
- S - STANDARD TIMES SERIES
- C - COMPOSITE SERIES

RGC EXPLORATION

TASMANIA
MT. JACOB

SIROTEM PROFILE
LINE 2700E Z LP3

SCALE - 1:5000



SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : 11-02-91
 CONFIGURATION : 600M SQUARE TX. LOOP,
 TURAN MODE RVR SURVEY
 READING INT. : 25 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM 3 S/N 2014
 CURRENT : 10.4 AMPS
 OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 4CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

TIME DELAYS IN MILLISECONDS
 E - EARLY TIMES SERIES
 S - STANDARD TIMES SERIES
 C - COMPOSITE SERIES

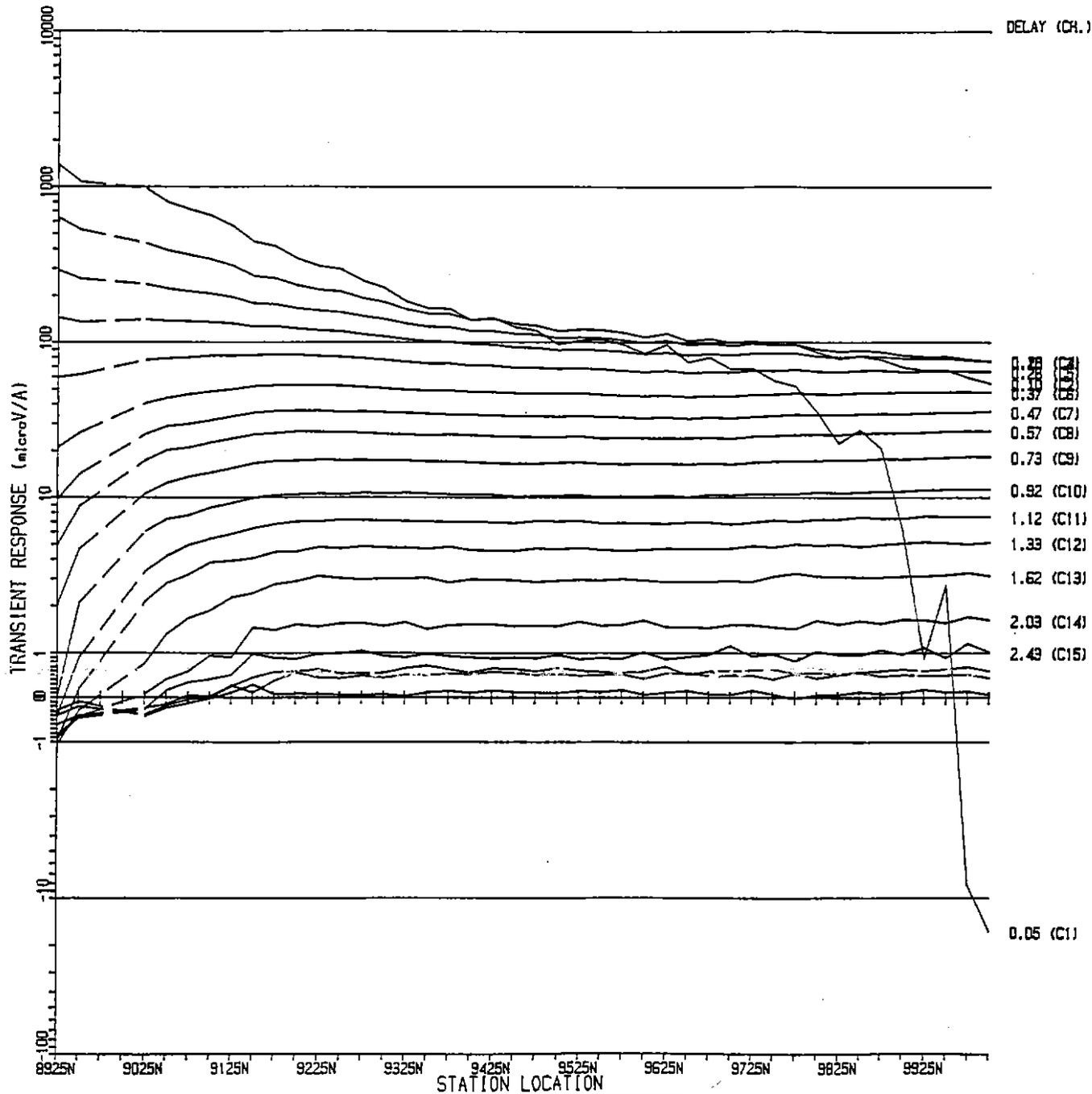
RGC EXPLORATION

TASMANIA
 MT. JACOB
 SIROTEM PROFILE
 LINE 2700E X LP3

SCALE - 1:5000

133070





SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : 11-02-91
 CONFIGURATION : 600M SQUARE TX. LOOP,
 TURAM MODE RVR SURVEY
 READING INT. : 25 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM 3 S/N 2014
 CURRENT : 10.4 AMPS
 OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

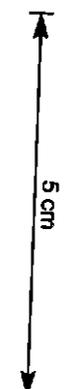
HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 4CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

TIME DELAYS IN MILLISECONDS
 E - EARLY TIMES SERIES
 S - STANDARD TIMES SERIES
 C - COMPOSITE SERIES

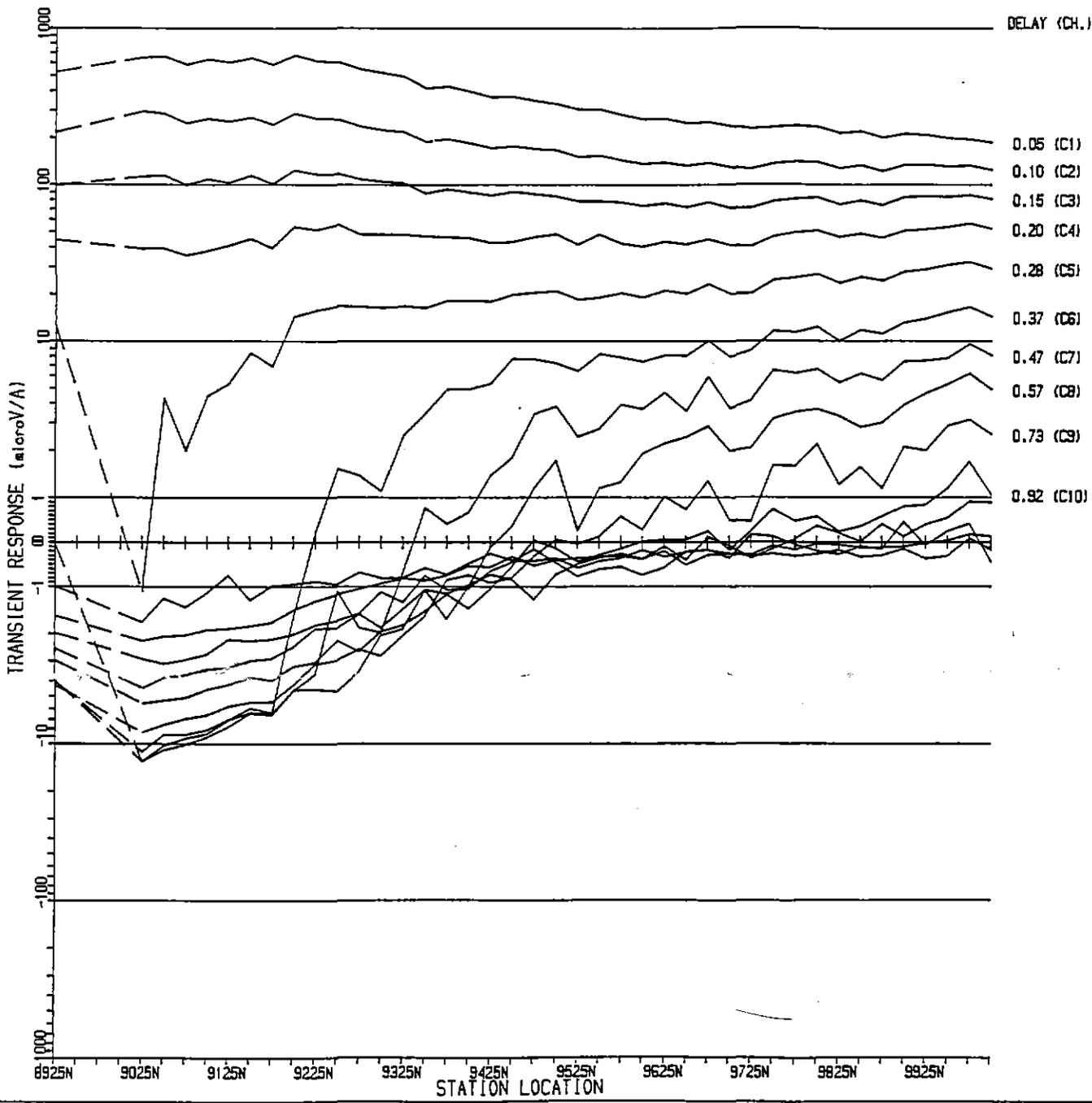
RGC EXPLORATION

TASMANIA
 MT. JACOB
 SIROTEM PROFILE
 LINE 2500E Z LP3

SCALE - 1:5000



133071



SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS
 SURVEY DATE : 11-02-91
 CONFIGURATION : 600M SQUARE TX. LOOP,
 TURAM MODE RVR SURVEY
 READING INT. : 25 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM 3 S/N 2014
 CURRENT : 10.4 AMPS
 OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

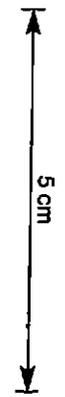
HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 4CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

TIME DELAYS IN MILLISECONDS
 E - EARLY TIMES SERIES
 S - STANDARD TIMES SERIES
 C - COMPOSITE SERIES

RGC EXPLORATION

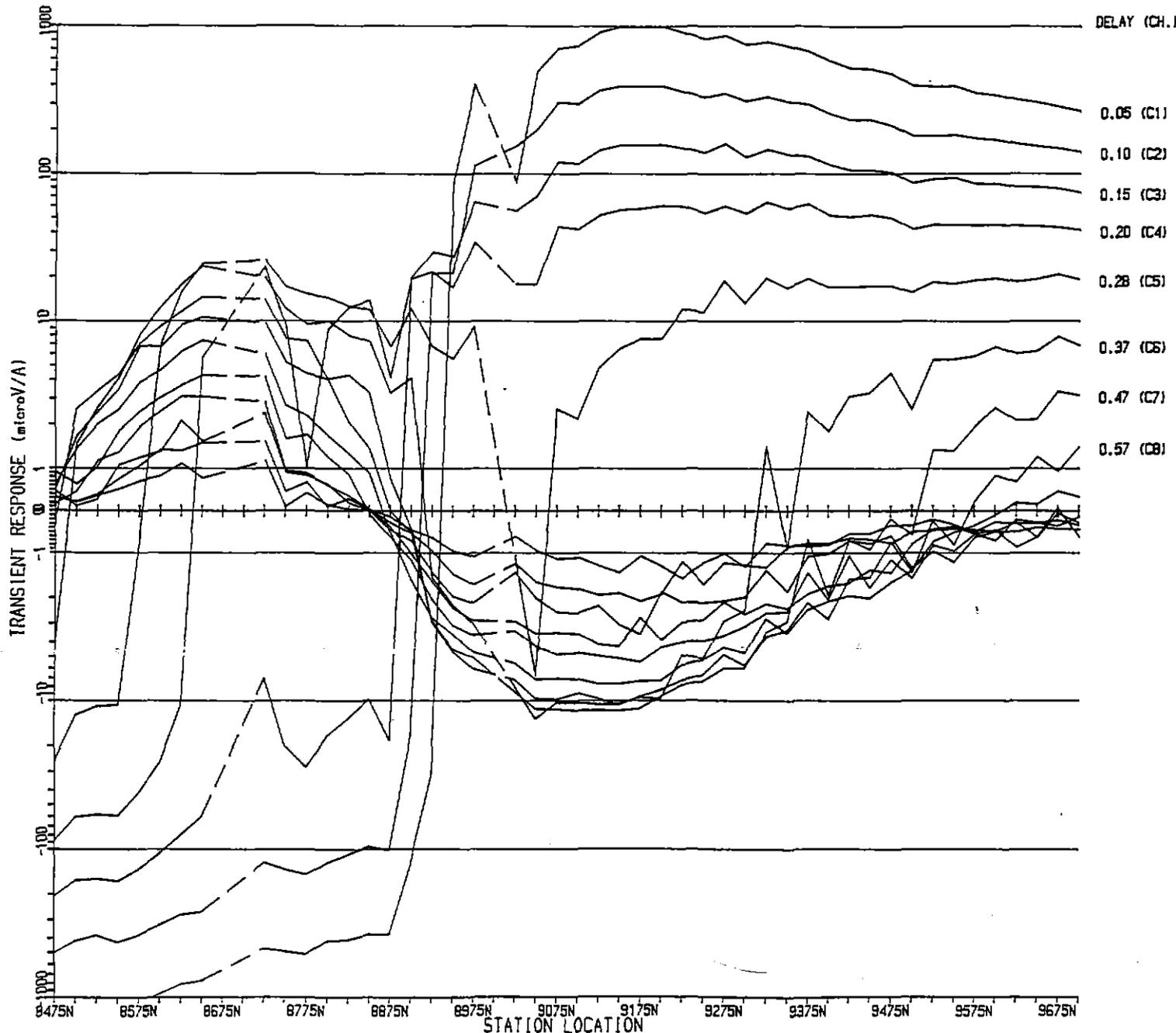
TASMANIA
 MT. JACOB
 SIROTEM PROFILE
 LINE 2500E X LP3

SCALE - 1:5000



71

133072



SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS
 SURVEY DATE : 10-02-91
 CONFIGURATION : 600M SQUARE TX. LOOP,
 TURAM MODE RVR SURVEY
 READING INT. : 25 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM 3 S/N 2014
 CURRENT : 10.4 AMPS
 OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 4CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

TIME DELAYS IN MILLISECONDS
 E - EARLY TIMES SERIES
 S - STANDARD TIMES SERIES
 C - COMPOSITE SERIES

RGC EXPLORATION

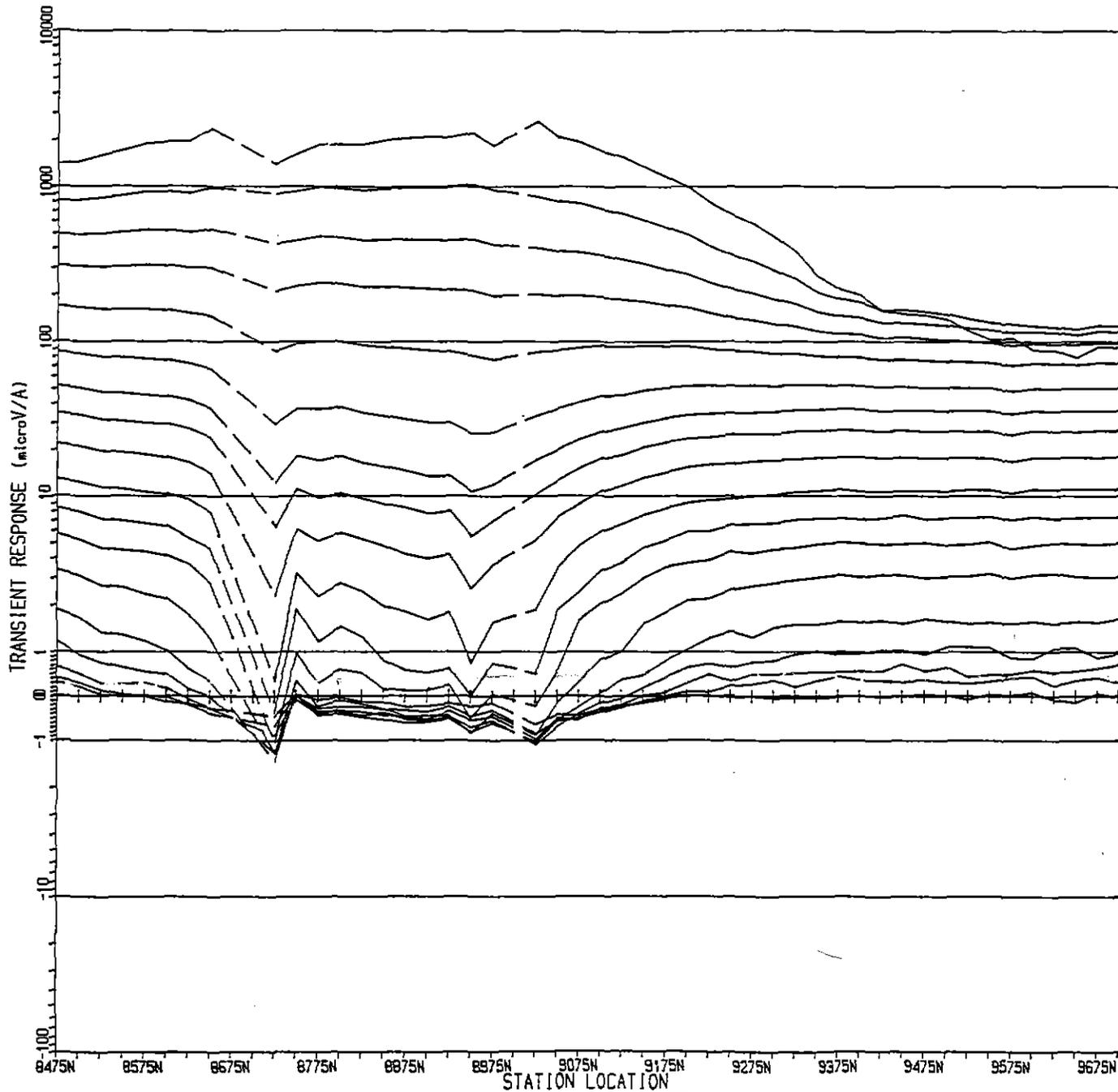
TASMANIA
 MT. JACOB
 SIROTEM PROFILE
 LINE 2300E X LP3

SCALE - 1:5000

5 cm

1330770

22



DELAY (CH.)

SURVEY SPECIFICATIONS

DATA ACQUISITION : MGSKIMMING GEOPHYSICS

SURVEY DATE : 10-02-91
 CONFIGURATION : 600M SQUARE TX. LOOP,
 TURAM MODE RVR SURVEY

READING INT. : 25 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM 3 S/N 2014
 CURRENT : 10.4 AMPS
 OPERATOR : P MGSKIMMING

- 0.18 (E1)
- 0.28 (E2)
- 0.37 (C5)
- 0.47 (C6)
- 0.57 (C7)
- 0.73 (C8)
- 0.92 (C9)
- 1.12 (C10)
- 1.33 (C11)
- 1.62 (C12)
- 2.03 (C13)

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 4CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

TIME DELAYS IN MILLISECONDS
 E - EARLY TIMES SERIES
 S - STANDARD TIMES SERIES
 C - COMPOSITE SERIES

RGC EXPLORATION

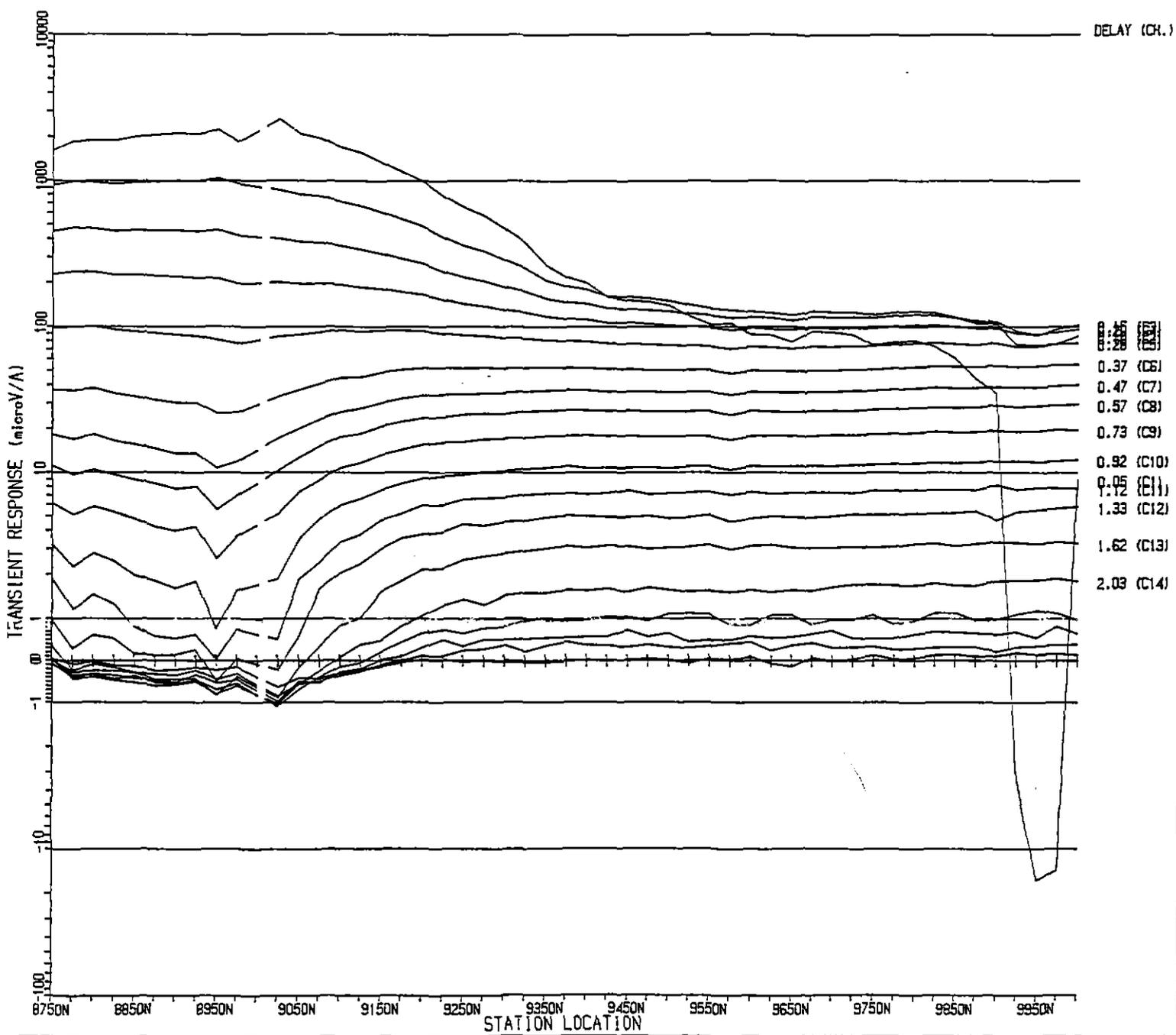
TASMANIA
 MT. JACOB
 SIROTEM PROFILE
 LINE 2300E Z LP3

SCALE - 1:5000

73

133074





SURVEY SPECIFICATIONS

DATA ACQUISITION : MCKINNON GEOPHYSICS

SURVEY DATE : 10-02-91

CONFIGURATION : 600M SQUARE TX. LOOP,
TURAM MODE RVR SURVEY

READING INT. : 25 METRES

NO. OF STACKS : 1024

TRANSMITTER : MEDIUM POWER

RECEIVER : SIROTEM 3 S/N 2014

CURRENT : 10.4 AMPS

OPERATOR : P MCKINNON

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000

VERTICAL SCALE - LOGARITHMIC
4CM. PER DECADE
LINEAR BETWEEN
-1 AND +1

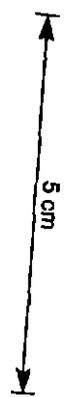
TIME DELAYS IN MILLISECONDS
E - EARLY TIMES SERIES
S - STANDARD TIMES SERIES
C - COMPOSITE SERIES

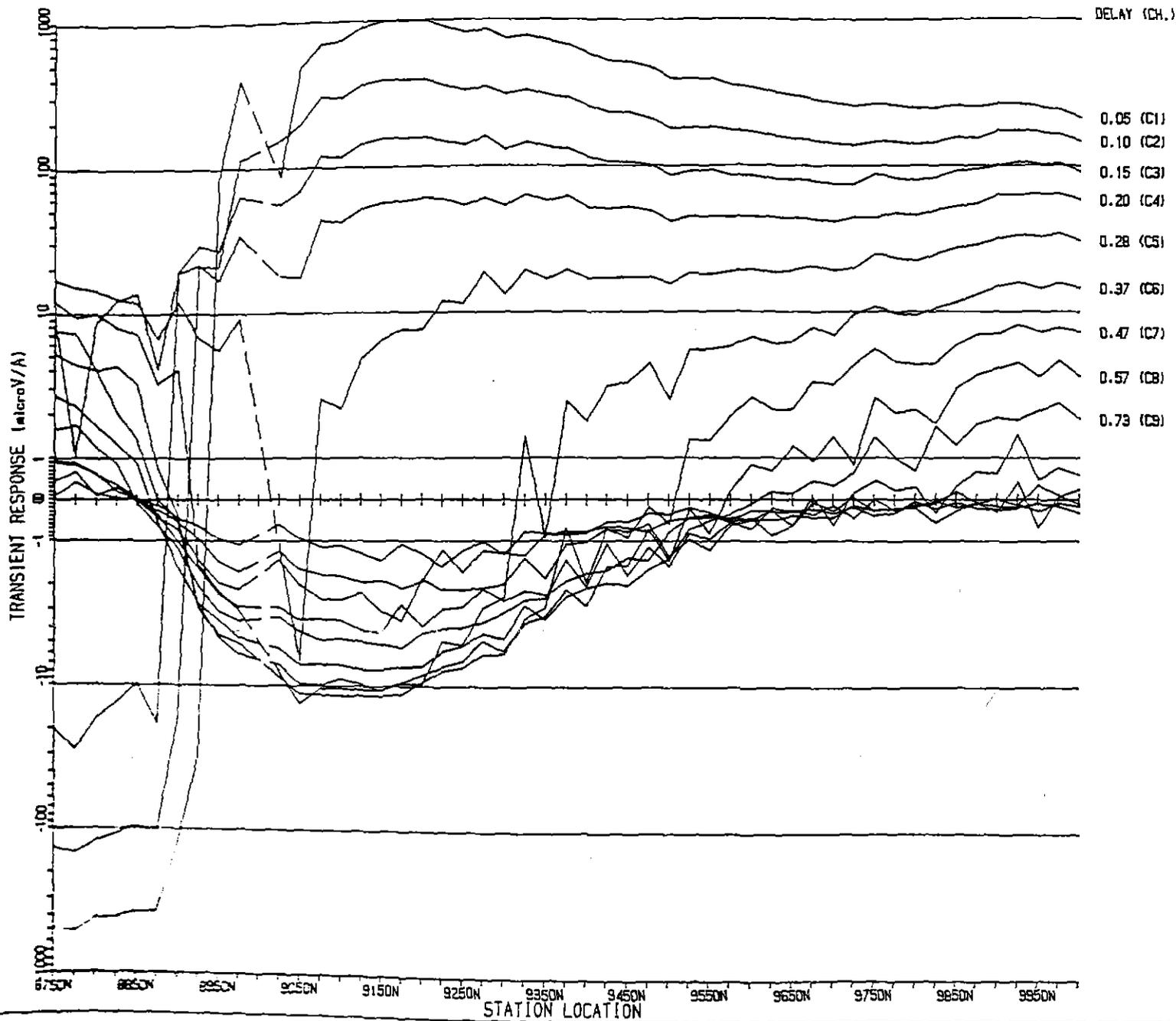
RGC EXPLORATION

TASMANIA
MT. JACOB

SIROTEM PROFILE
LINE 2300E Z LP3

SCALE - 1:5000





SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : 10-02-91

CONFIGURATION : 600M SQUARE TX. LOOP,
TURAM MODE RVR SURVEY

READING INT. : 25 METRES

NO. OF STACKS : 1024

TRANSMITTER : MEDIUM POWER

RECEIVER : SIROTEM 3 S/N 2014

CURRENT : 10.4 AMPS

OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000

VERTICAL SCALE - LOGARITHMIC
4CM. PER DECADE
LINEAR BETWEEN
-1 AND +1

TIME DELAYS IN MILLISECONDS

E - EARLY TIMES SERIES

S - STANDARD TIMES SERIES

C - COMPOSITE SERIES

RGC EXPLORATION

TASMANIA
MT. JACOB

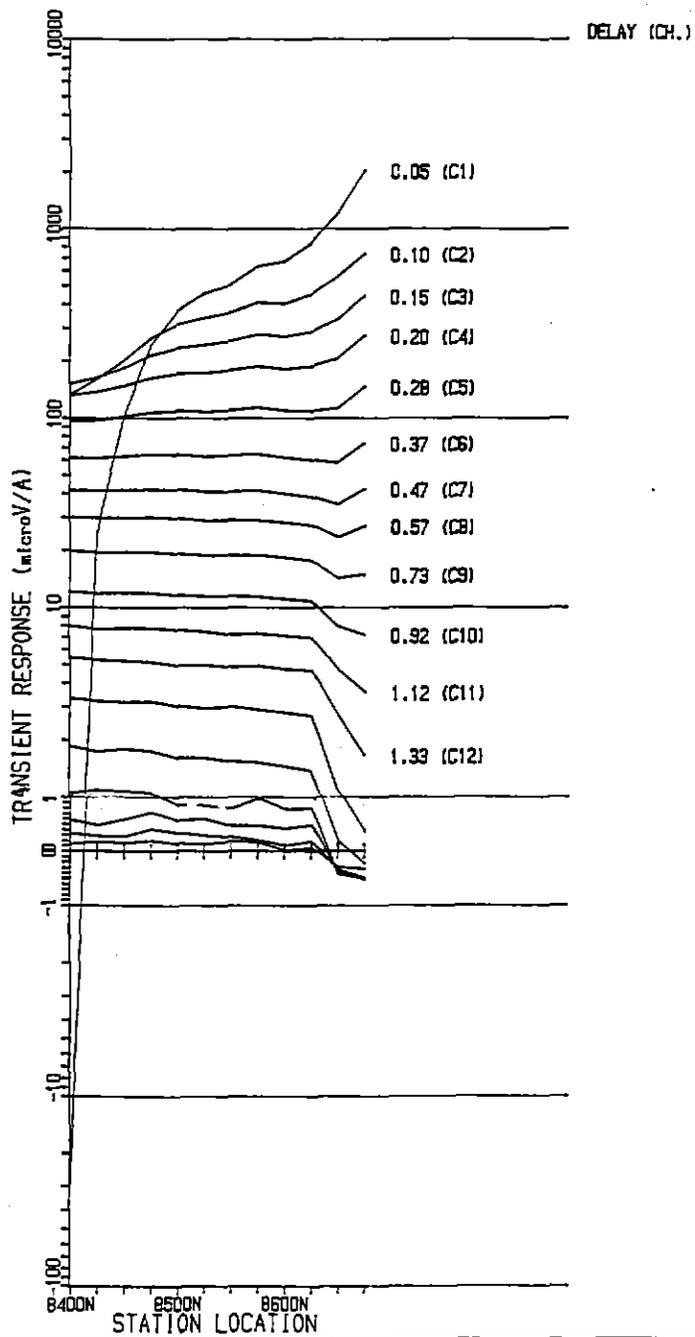
SIROTEM PROFILE
LINE 2300E X LP3

SCALE - 1:5000

70

133070

5 cm



SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : 10-02-81
 CONFIGURATION : 600M SQUARE TX. LOOP,
 TURAM MODE RVR SURVEY
 READING INT. : 25 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM 3 S/N 2014
 CURRENT : 10.4 AMPS
 OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 4CM. PER DECADE
 LINEAR BETWEEN
 -1 AND 11

TIME DELAYS IN MILLISECONDS
 E - EARLY TIMES SERIES
 S - STANDARD TIMES SERIES
 C - COMPOSITE SERIES

RGC EXPLORATION

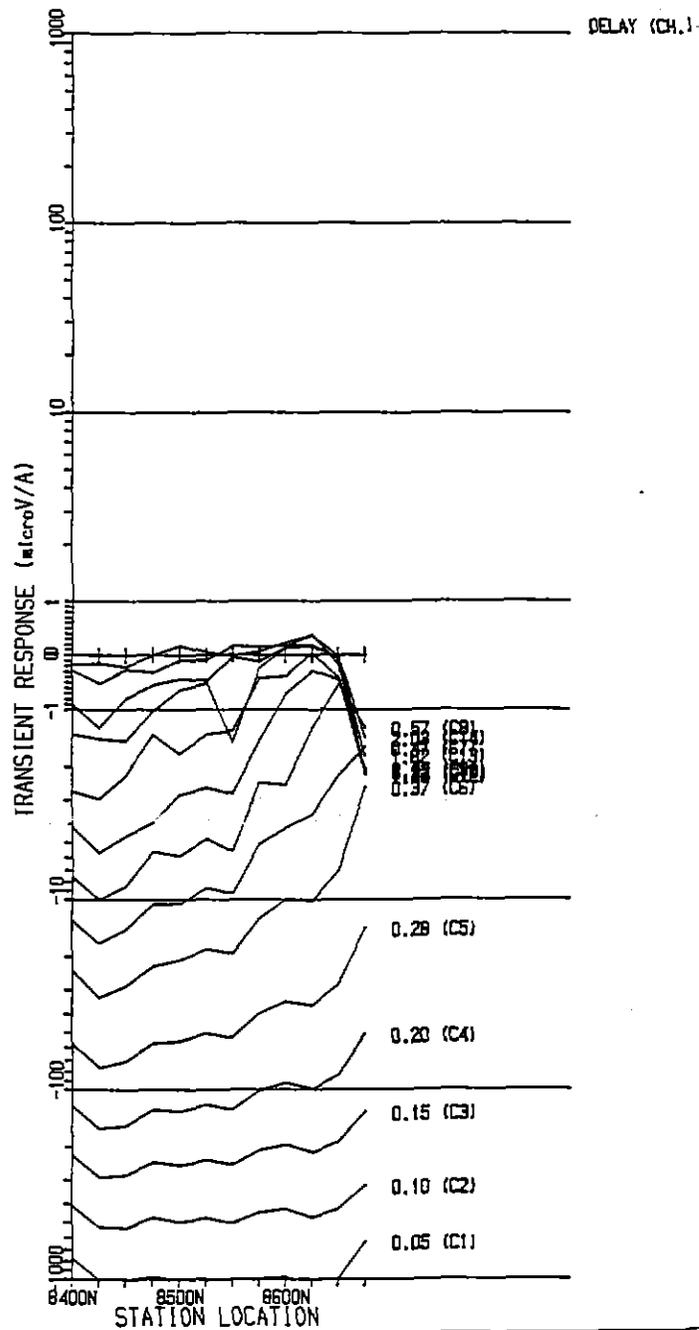
TASMANIA
 MT. JACOB
 SIROTEM PROFILE
 LINE 2100E Z LP3

SCALE - 1:5000

5 cm

133077

76



SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKINNING GEOPHYSICS

SURVEY DATE : 10-02-91
 CONFIGURATION : 600M SQUARE TX. LOOP
 TURAM MODE RVR SURVEY
 READING INT. : 25 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM 3 S/N 2014
 CURRENT : 10.4 AMPS
 OPERATOR : P McSKINNING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 4CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

TIME DELAYS IN MILLISECONDS
 E - EARLY TIMES SERIES
 S - STANDARD TIMES SERIES
 C - COMPOSITE SERIES

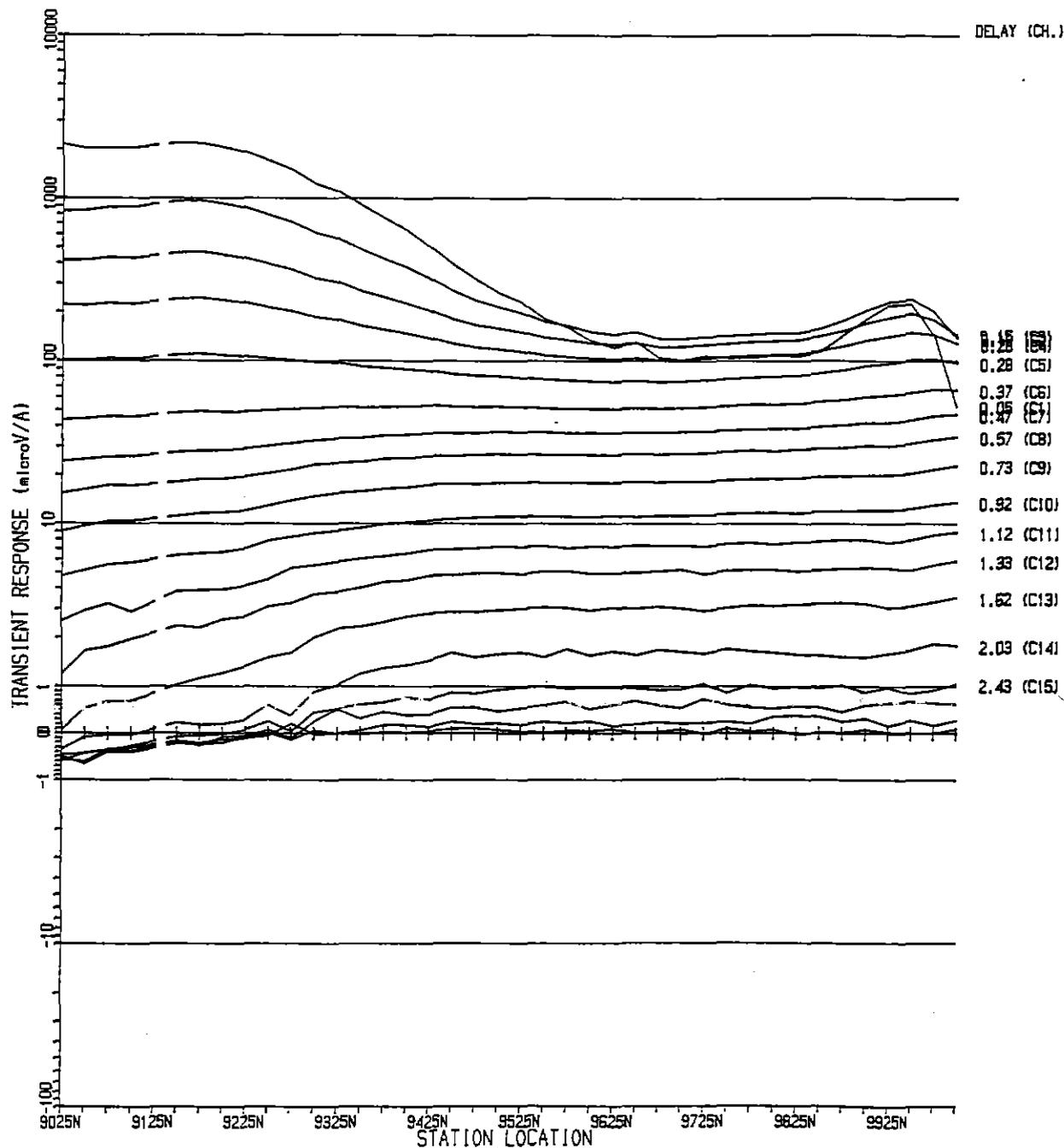
RGC EXPLORATION

TASMANIA
 MT. JACOB
 SIROTEM PROFILE
 LINE 2100E X LP3

SCALE - 1:5000

5 cm

133078



SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : 10-02-91
 CONFIGURATION : 600M SQUARE TX. LOOP,
 TURAM MODE RVR SURVEY

READING INT. : 25 METRES

NO. OF STACKS : 1024

TRANSMITTER : MEDIUM POWER

RECEIVER : SIROTEM 3 S/N 2014

CURRENT : 10.4 AMPS

OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000

VERTICAL SCALE - LOGARITHMIC
 4CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

TIME DELAYS IN MILLISECONDS

E - EARLY TIMES SERIES

S - STANDARD TIMES SERIES

C - COMPOSITE SERIES

RGC EXPLORATION

TASMANIA
 MT. JACOB

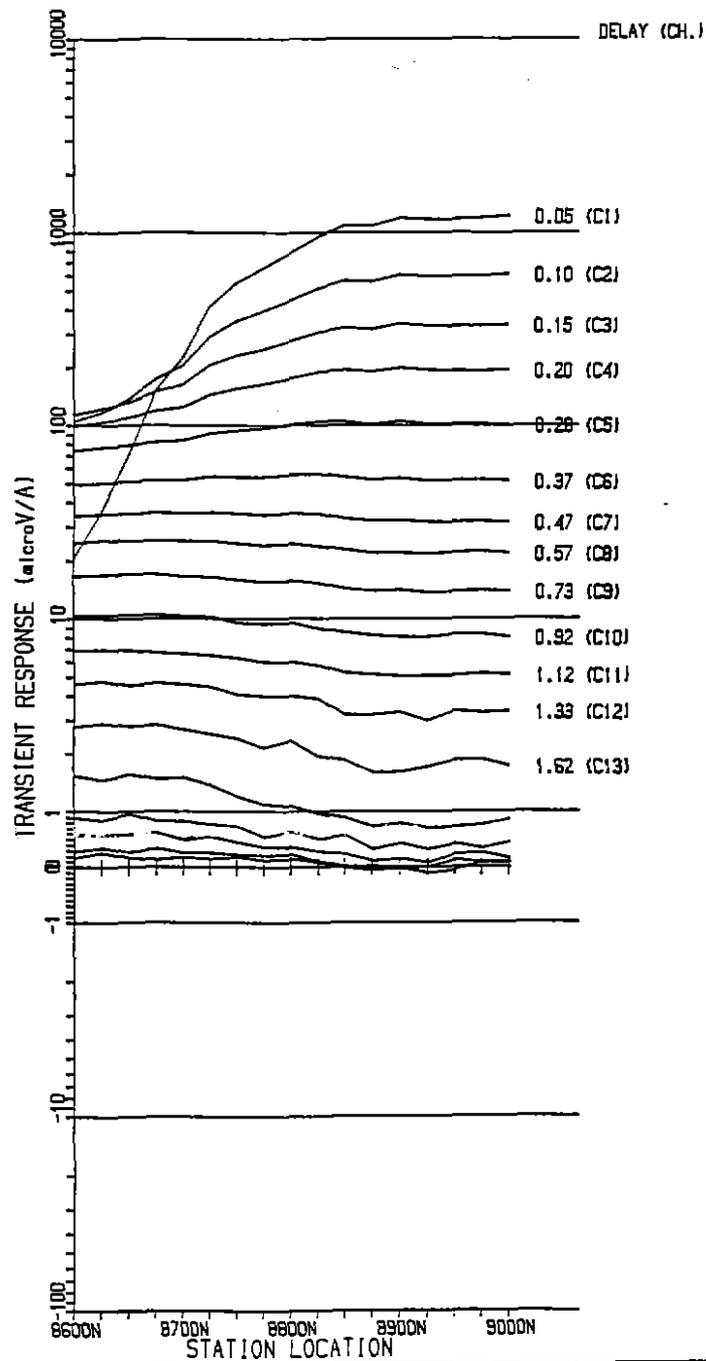
SIROTEM PROFILE
 LINE 2100E Z LP3

SCALE - 1:5000

5 cm

133079

97



SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : 09-02-91
 CONFIGURATION : 600M SQUARE TX. LOOP,
 TURAM MODE RVR SURVEY
 READING INT. : 25 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM 3 S/N 2014
 CURRENT : 10.4 AMPS
 OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 4CH. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

TIME DELAYS IN MILLISECONDS
 E - EARLY TIMES SERIES
 S - STANDARD TIMES SERIES
 C - COMPOSITE SERIES

RGC EXPLORATION

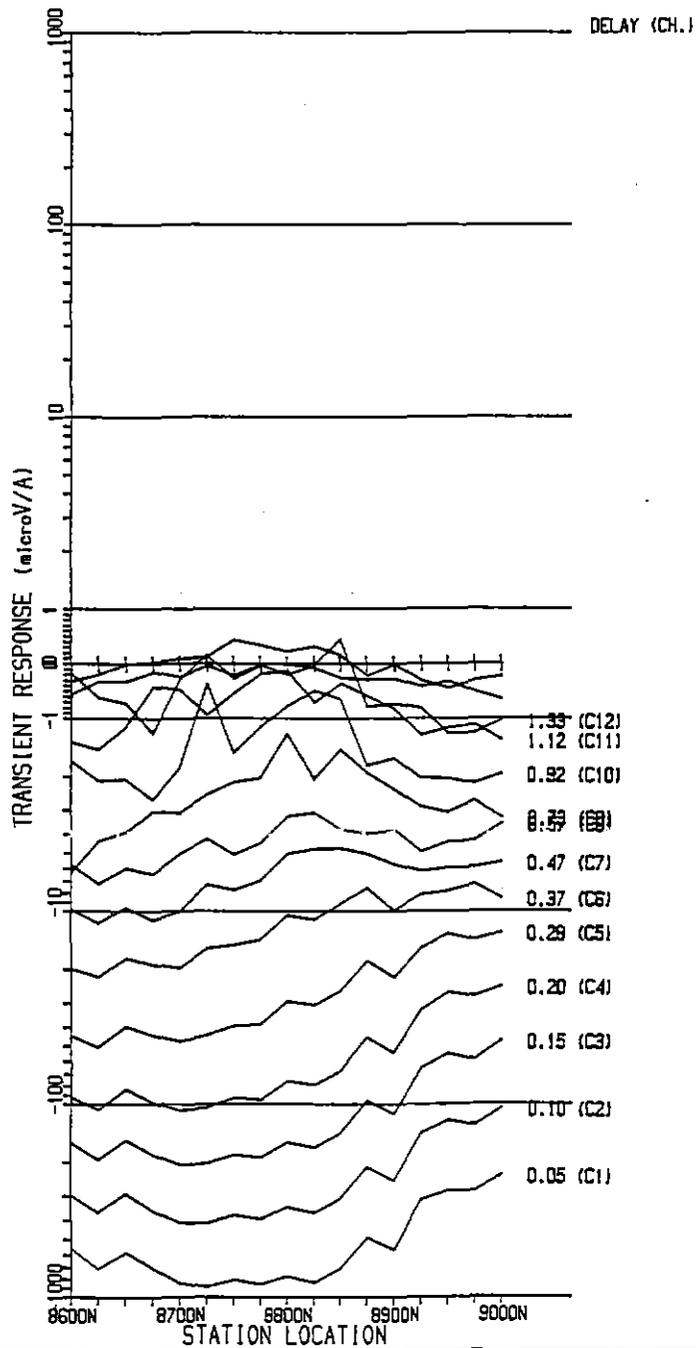
TASMANIA
 MT. JACOB
 SIROTEM PROFILE
 LINE 1900E Z LP3

SCALE - 1:5000

5 cm

133080

79



SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : 09-02-91
 CONFIGURATION : 600M SQUARE TX. LOOP,
 TURAM MODE RVR SURVEY
 READING INT. : 25 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM 3 S/N 2014
 CURRENT : 10.4 AMPS
 OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 4CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

TIME DELAYS IN MILLISECONDS
 E - EARLY TIMES SERIES
 S - STANDARD TIMES SERIES
 C - COMPOSITE SERIES

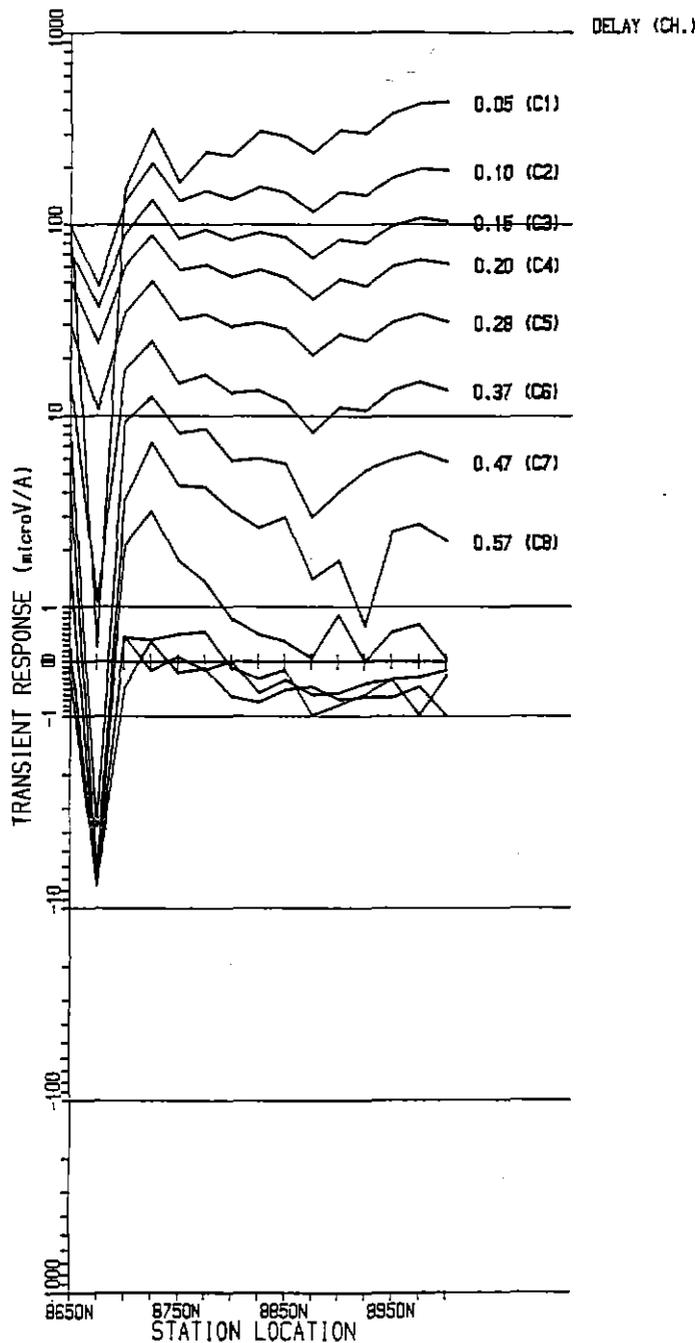
RGC EXPLORATION

TASMANIA
 MT. JACOB
 SIROTEM PROFILE
 LINE 1900E X LP3

SCALE - 1:5000

5 cm

138031



SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : 07-02-91

CONFIGURATION : 600M SQUARE TX. LOOP,
TURAM MODE RVR SURVEY

READING INT. : 25 METRES

NO. OF STACKS : 1024

TRANSMITTER : MEDIUM POWER

RECEIVER : SIROTEM 3 S/N 3

CURRENT : 10.4 AMPS

OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000

VERTICAL SCALE - LOGARITHMIC
4CM. PER DECADE
LINEAR BETWEEN
-1 AND +1

TIME DELAYS IN MILLISECONDS

E - EARLY TIMES SERIES

S - STANDARD TIMES SERIES

C - COMPOSITE SERIES

RGC EXPLORATION

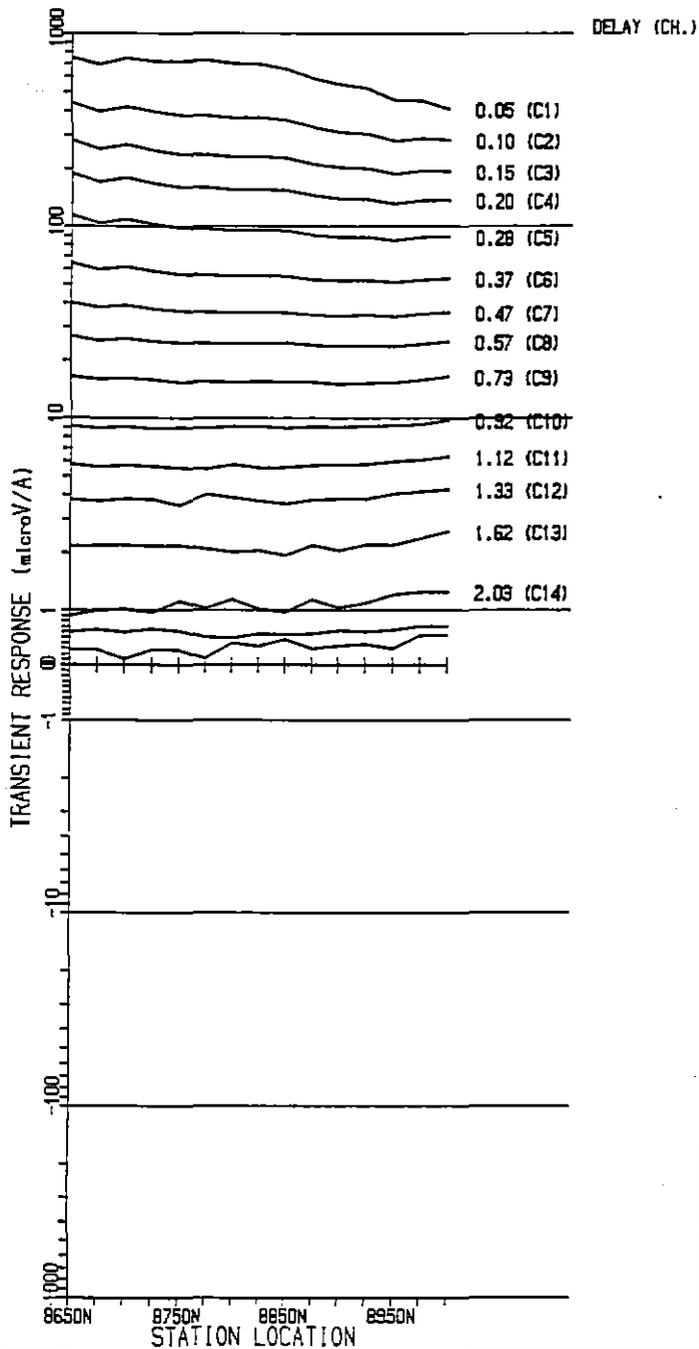
TASMANIA
MT. JACOB

SIROTEM PROFILE
LINE 2100E X LP2

SCALE - 1:5000

5 cm

133082



SURVEY SPECIFICATIONS

DATA ACQUIS'N : McSKIMMING GEOPHYSICS

SURVEY DATE : 07-02-91
CONFIGURATION : 600M SQUARE TX. LOOP,
TURAM MODE RVR SURVEY

READING INT. : 25 METRES
NO. OF STACKS : 1024
TRANSMITTER : MEDIUM POWER
RECEIVER : SIROTEM 3 S/N 3
CURRENT : 10.4 AMPS
OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
VERTICAL SCALE - LOGARITHMIC
4CM. PER DECADE
LINEAR BETWEEN
-1 AND +1

TIME DELAYS IN MILLISECONDS
E - EARLY TIMES SERIES
S - STANDARD TIMES SERIES
C - COMPOSITE SERIES

RGC EXPLORATION

TASMANIA
MT. JACOB
SIROTEM PROFILE
LINE 2100E Z LP2

SCALE - 1:5000

5 cm

133083

133085

APPENDIX 3

Assay Results - Rock Chip Samples

RGC EXPLORATION PTY.LTD.

DATA SHEET

PROJECT: MT.JACOB ROCK CHIP SAMPLES

SAMPLE NUMBER	NORTH metres	EAST metres	CODE	SAMPLR DATE	QCONT	GRID	KIND	ROCK	UNIT	ALTER	OREMIN	VEINS
T 14072	9650	2100	5525	CC	JAN.90	MTJ	RC	SAND	OM	HELI		QZ
T 14073	9325	2100	5525	CC	JAN.90	MTJ	RCRF	SAND	OM	HELI		QZ
T 14074	8750	2100	5525	CC	JAN.90	MTJ	RC	SAND	OM	LI		
T 14075	8400	2100	5525	CC	JAN.90	MTJ	RC	SAND	OM			
T 14076	9975	2700	5525	CC	JAN.90	MTJ	RC	SAND	OM	MSKAHE		QZ
T 14077	9925	2700	5525	CC	JAN.90	MTJ	RC	SAND	OM			
T 14078	9725	2700	5525	CC	JAN.90	MTJ	RF	SAND	OM	HELI		
T 14080	9325	2700	5525	CC	JAN.90	MTJ	RC	SAND	OM	HELI		
T 14081	9200	2700	5525	CC	JAN.90	MTJ	RC	SAND	OM	LI		
T 14082	9190	2700	5525	CC	JAN.90	MTJ	RC	QZIT	OM	HELISI		
T 14083	9100	2700	5525	CC	JAN.90	MTJ	RC	SAND	OM	HELI		
T 14084	9100	2700	5525	CC	JAN.90	MTJ	RC	SAND	OM	LIOX	PY	
T 14085	9075	2700	5525	CC	JAN.90	MTJ	RC	SAND	OM	LIHE	PYHS	
T 14086	9000	2500	5525	CC	JAN.90	MTJ	RC	SAND	OM	LIHESI	PY	
T 14087	9400	2500	5525	CC	JAN.90	MTJ	RC	SAND	OM			
T 14088	8900	2500	5525	CC	JAN.90	MTJ	RC	SAND	OM	HE		
T 14089	10000	2500	5525	CC	JAN.90	MTJ	RC	SAND	OM	LIHE		
T 14091	9150	2300	5525	CC	JAN.90	MTJ	RC	SAND	OM			
T 14092	9025	2300	5525	CC	JAN.90	MTJ	RC	SAND	OM	LI		
T 14093	8950	2300	5525	CC	JAN.90	MTJ	RC	SAND	OM	UX		
T 14094	8675	2300	5525	CC	JAN.90	MTJ	RF	SAND	OM	HELI	PY	QZ
T 14096	8075	500	5525	CC	JAN.90	MTJ	RC	SAND	OM	OX		
T 14097	8150	500	5525	CC	JAN.90	MTJ	RC	SAND	OM	OX	PY	
T 14098	8275	500	5525	CC	JAN.90	MTJ	RC	SAND	OM	OXHE		QZ
T 14099	8625	500	5525	CC	JAN.90	MTJ	RC	SAND	OM	LI		QZ
T 14100	8625	500	5525	CC	JAN.90	MTJ	RC	SAND	OM	LIHE		QZ
T 17852	8985	500	5525	CC	JAN.90	MTJ	RF	ANDS	CR	CLMS		
T 17853	9400	500	5525	CC	JAN.90	MTJ	RF	ANDS	CR	CLMS		

Laboratory:
Method :
Det. Limit:

133086

RGC EXPLORATION PTY.LTD.

DATA SHEET

PROJECT: MT.JACOB ROCK CHIP SAMPLES

SAMPLE NUMBER	NORTH metres	EAST metres	CODE	SAMPLR	DATE	QCONT	GRID	KIND	ROCK	UNIT	ALTER	OREMIN	VEINS
T 27118	8600	1900	5525	CC	MAY.90		MTJ	RC	SAND	OM	LIHESI		
T 27119	8775	1900	5525	CC	MAY.90		MTJ	RC	SAND	OM	LI		QZ
T 27120	8850	1900	5525	CC	MAY.90		MTJ	RC	CONG	OR	LISI		
T 27121	8900	1900	5525	CC	MAY.90		MTJ	RC	SHAL	OM	LI		
T 27122	9225	1900	5525	CC	MAY.90		MTJ	RC	SAND	OM	LIHE		
T 27123	9675	1900	5525	CC	MAY.90		MTJ	RC	SAND	OM	LISI		
T 27124	9850	1900	5525	CC	MAY.90		MTJ	RF	BASL	TB	OX		
T 27125	9700	1700	5525	CC	JUN.90		MTJ	RF	SAND	OM			
T 27126	9625	1700	5525	CC	JUN.90		MTJ	RC	SAND	OM	HELI		
T 27127	9540	1700	5525	CC	JUN.90		MTJ	RC	SAND	OM	LI		
T 27128													
FMC1													
Remark:STANDARD FMC1 REC 0.23 g/t Au (RANGE 0.15 - 0.32)													
T 27129	8960	1700	5525	CC	JUN.90		MTJ	RF	SAND	OM	OX		
T 27130	8700	1700	5525	CC	JUN.90		MTJ	RF	SAND	OM	HELIOX		
T 27131	8625	1700	5525	CC	JUN.90		MTJ	RC	SAND	OM	OX		
T 27132	9875	1500	5525	CC	JUN.90		MTJ	RF	SAND	OM	OX		
T 27133	9812	1500	5525	CC	JUN.90		MTJ	RC	SAND	OM		SX	
T 27134	9330	1500	5525	CC	JUN.90		MTJ	RC	SAND	OM	OXSI		QZ
T 27135	9260	1490	5525	CC	JUN.90		MTJ	RC	SAND	OM	HE		
T 27136	9258	1490	5525	CC	JUN.90		MTJ	RC	SAND	OM	LIHE		
T 27137	9750	1500	5525	CC	JUN.90		MTJ	RF	QZIT	OM	LIHE		QZ
T 27138	8625	1500	5525	CC	JUN.90		MTJ	RC	SAND	OM	OX		
T 27139	9875	1300	5525	CC	JUN.90		MTJ	RF	ANDS	CR	OXMS		
T 27140	9825	1300	5525	CC	JUN.90		MTJ	RF	ANDS	CR	OXMS		
T 27141	9775	1300	5525	CC	JUN.90		MTJ	RF	ANDS	CR	CLMS	PY	
T 27142	9635	1300	5525	CC	JUN.90		MTJ	RC	ANDS	CR	CLMSOX	PY	
T 27143	9275	1300	5525	CC	JUN.90		MTJ	RF	SAND	OR	OX		
T 27144	9090	1300	5525	CC	JUN.90		MTJ	RF	CONG	OR	OXMS		HU
T 27145	8850	1300	5525	CC	JUN.90		MTJ	RC	SAND	OM	OXSI		
T 27146	9775	1100	5525	CC	JUN.90		MTJ	RF	ANDS	CR	OXMS		
T 27147	9575	1100	5525	CC	JUN.90		MTJ	RC	ANDS	CR	OXMS		
T 27148													
B4													
Remark:STANDARD B4: REC 0.25 g/t Au (0.18 - 0.33)													
T 27149	9200	1100	5525	CC	JUN.90		MTJ	RF	SAND	OM			QZHE
Remark:HIGH TEMP VEINS WITH GOSSANOUS MATERIAL.													

Laboratory:
Method :
Det. Limit:

138087

PROJECT: MT.JACOB ROCK CHIP SAMPLES

SAMPLE NUMBER	NORTH metres	EAST metres	CODE	SAMPLR	DATE	QCONT	GRID	KIND	ROCK	UNIT	ALTER	OREMIN	VEINS
T 27150	9100	1100	5525	CC	JUN.90		MTJ	RC	LAVA	CR	OXMSCL		
Remark:QUARTZ - FELDSPAR PHYRIC													
T 27151	8700	1100	5525	CC	JUN.90		MTJ	RC	SAND	OM	LIHE		
T 27152	8625	1100	5525	CC	JUN.90		MTJ	RC	SAND	OM	OX		
T 27153	9500	900	5525	CC	JUN.90		MTJ	RF	ANDS	CR	OX		
Remark:POSSIBLY SOME DISSEMINATED GALENA AND SPHALERITE.													
T 27154	8975	900	5525	CC	JUN.90		MTJ	RF	SAND	OM	MS	PY	
T 27155	8850	700	5525	CC	JUN.90		MTJ	RC	SAND	OM	HELI		QZ
T 27156	9000	1125	5525	CC	JUN.90		MTJ	RF	SAND	OM	MS		
T 27157	9000	1685	5525	CC	JUN.90		MTJ	RF	SAND	OM	LI	GL	
T 27158	9000	2670	5525	CC	JUN.90		MTJ	RC	SAND	OM	MSCL	PY	
T 27172	8570	2300	5525	CC	JAN.91		MTJ	RC	SAND	OM	LIBL		
T 27173	8575	2300	5525	CC	JAN.91		MTJ	RC	SHSI	OM	LIOX		
T 27174	8580	2300	5525	CC	JAN.91		MTJ	RC	SAND	OM	SI		
T 27175	8585	2300	5525	CC	JAN.91		MTJ	RC	SAND	OM	SI		
T 27176	8590	2300	5525	CC	JAN.91		MTJ	RC	SHAL	OM	LI		
T 27177	8595	2300	5525	CC	JAN.91		MTJ	RC	SHSI	OM	LI		
T 27178	8600	2300	5525	CC	JAN.91		MTJ	RC	SAND	OM	LI		
T 27180	8605	2300	5525	CC	JAN.91		MTJ	RC	SHSI	OM	LI		
T 27181	8610	2300	5525	CC	JAN.91		MTJ	RC	SNSI	OM	SILI		
T 27182	8615	2300	5525	CC	JAN.91		MTJ	RC	SNSI	OM	LI		QZ
T 27183	8620	2300	5525	CC	JAN.91		MTJ	RC	SILT	OM	LI		
T 27184	8625	2300	5525	CC	JAN.91		MTJ	RC	SAND	OM	LISI		
T 27532	8950	900	5525	CC	JAN.91		MTJ	RC	SAND	OM	LI		
T 27533	8600	700	5525	CC	JAN.91		MTJ	RC	SAND	OM	LIHE		
T 27534													B4
Remark:STANDARD B4 (0.25) g/t Au													
T 27535	8850	705	5525	CC	JAN.91		MTJ	RC	SAND	OM	SILHE		
T 27536	8850	710	5525	CC	JAN.91		MTJ	RC	SAND	OM			
T 27537	8850	715	5525	CC	JAN.91		MTJ	RC	SAND	OM			

Laboratory:
Method :
Det. Limit:

138088

PROJECT: MT.JACOB ROCK CHIP SAMPLES

SAMPLE NUMBER	NORTH metres	EAST metres	CODE	SAMPLR DATE	QCONT	GRID	KIND	ROCK	UNIT	ALTER	OREMIN VEINS
T 27538	8850	720	5525	CC	JAN.91	MTJ	RC	SAND	OM	LIHE	
T 27539	8850	725	5525	CC	JAN.91	MTJ	RC	SAND	OM		
T 27540	8850	730	5525	CC	JAN.91	MTJ	RC	SAND	OM		
T 27541	8850	735	5525	CC	JAN.91	MTJ	RC	SAND	OM	LIHE	
T 27542	8850	740	5525	CC	JAN.91	MTJ	RC	SAND	OM	LIHE	
T 27543	8850	745	5525	CC	JAN.91	MTJ	RC	SAND	OM	LIHE	
T 27544											B3
Remark:STANDARD B3 (0.05) g/t Au											
T 27545	8850	695	5525	CC	JAN.91	MTJ	RC	SAND	OM	LIHE	
T 27546	8850	690	5525	CC	JAN.91	MTJ	RC	SAND	OM	LIHE	
T 27547	8850	700	5525	CC	JAN.91	MTJ	RC	SAND	OM	LIHE	
T 27548	9190	2700	5525	CC	JAN.91	MTJ	RC	SILT	OM	LI	
T 27549	9180	2700	5525	CC	JAN.91	MTJ	RC	SAND	OM	LIHE	
T 27550	9170	2700	5525	CC	JAN.91	MTJ	RC	SAND	OM	LI	
T 27551	9160	2700	5525	CC	JAN.91	MTJ	RC	SAND	OM	LIHE	
T 27552	9150	2700	5525	CC	JAN.91	MTJ	RC	SAND	OM	LIHE	
T 27553	9140	2700	5525	CC	JAN.91	MTJ	RC	SAND	OM	HE	
T 27554											B4
Remark:STANDARD B4(0.25) g/t Au											
T 27555	9130	2700	5525	CC	JAN.91	MTJ	RC	SAND	OM	SILI	
T 27556	9120	2700	5525	CC	JAN.91	MTJ	RC	SAND	OM	SI	
T 27557	9110	2700	5525	CC	JAN.91	MTJ	RC	SAND	OM	SILI	
T 27558	9100	2700	5525	CC	JAN.91	MTJ	RC	SAND	OM	SIOX	
T 27559	9090	2700	5525	CC	JAN.91	MTJ	RC	SAND	OM	SILI	
T 27560	9080	2700	5525	CC	JAN.91	MTJ	RC	QZIT	OM	SI	
T 27561	9070	2700	5525	CC	JAN.91	MTJ	RC	SAND	OM	SILI	
T 27562	9060	2700	5525	CC	JAN.91	MTJ	RC	SNSI	OM	LI	
T 27563	9050	2700	5525	CC	JAN.91	MTJ	RC	QZIT	OM	SILI	
T 27564											B3
Remark:STANDARD B3(0.05) g/t Au											
T 27565	9040	2700	5525	CC	JAN.91	MTJ	RC	SILT	OM	LISI	
T 27566	9030	2700	5525	CC	JAN.91	MTJ	RC	QZIT	OM	LISI	
T 27567	9020	2700	5525	CC	JAN.91	MTJ	RC	SAND	OM	SI	
T 27568	9010	2700	5525	CC	JAN.91	MTJ	RC	QZIT	OM	SI	PY

Laboratory:
Method :
Det. Limit:

133089

RGC EXPLORATION PTY.LTD.

DATA SHEET

Page 5
3/10/91

PROJECT: MT.JACOB ROCK CHIP SAMPLES

SAMPLE NUMBER	NORTH metres	EAST metres	CODE	SAMPLR	DATE	QCONT	GRID	KIND	ROCK	UNIT	ALTER	OREMIN VEINS
T 27569	9000	2700	5525	CC	JAN.91		MTJ	RC	QZIT	OM	SI	
T 27570	9590	1300	5525	CC	JAN.91		MTJ	RC	ANDS	CR	SI	
T 27571	9615	1300	5525	CC	JAN.91		MTJ	RC	ANDS	CR	SI	
T 27572	9870	2050	5525	CC	FEB.91		MTJ	RC	TUFF	CR		
T 27573	9875	2090	5525	CC	FEB.91		MTJ	RC	TUFF	CR		
T 27574						B3						
Remark: STANDARD B3 (0.05) g/t Au												
T 27575	9500	900	5525	CC	FEB.91		MTJ	RC	ANDS	CR		

133090

Laboratory:
Method :
Det. Limit:

NAME:ALTER

BL	BLEACHED	CL	CHLORITIC	HE	HEMATITIC
KA	KAOLINISED	LI	LIMONITIC	HS	SERICITIC
OX	OXIDISED	SI	SILICIFIED		

NAME:GRID

MTJ MT.JACOB GRID

NAME:KIND

RC	ROCK CHIP	RF	ROCK FLOAT
----	-----------	----	------------

NAME:OREMIN

GL	GALENA	HS	HEMATITE	PY	PYRITE
SX	SULPHIDES				

NAME:ROCK

ANDS	ANDESITE	BASL	BASALT	CONG	CONGLOMERATE
LAVA	LAVA	QZIT	QUARTZITE	SAND	SANDSTONE
SHAL	SHALE	SHSI	SHALE + SILTSTONE	SILT	SILTSTONE
SNSI	SANDSTONE + SILTSTONE	TUFF	TUFF		

NAME:SAMPLR

CC CARLOS CASTRO

NAME:UNIT

CR	CAMBRIAN MT.READ VOLCANICS	OM	ORDOVICIAN MOINA SANDSTONE	OR	ORDOVICIAN ROLAND CONGLOMERATE
TB	TERTIARY BASALT				

NAME:VEINS

HE	HEMATITE	MU	MUSCOVITE	QZ	QUARTZ
----	----------	----	-----------	----	--------

PROJECT: MT.JACOB ROCK CHIP SAMPLES

SAMPLE NUMBER	NORTH metres	EAST metres	AU PPM	AUCHK PPM	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SN PPM	AU(R) PPM	AU(S) PPM
T 14072	9650	2100	-0.008		10	35	80	-0.5	56	-3		
T 14073	9325	2100	-0.008	-0.008	5	5	60	-0.5	10	-3		
T 14074	8750	2100										
T 14075	8400	2100	-0.008	-0.008	10	35	65	0.5	18	5		
T 14076	9975	2700										
T 14077	9925	2700	-0.008		5	-5	40	0.5	3	7		
T 14078	9725	2700	-0.008		-5	-5	35	-0.5	11	-3		
T 14080	9325	2700	-0.008		10	30	50	1.0	26	-3		
T 14081	9200	2700	-0.008		-5	-5	50	-0.5	4	-3		
T 14082	9190	2700	-0.008		-5	-5	35	-0.5	3	-3		
T 14083	9100	2700	-0.008		5	1025	65	2.0	34	5		
T 14084	9100	2700	-0.008		5	145	50	-0.5	19	-3		
T 14085	9075	2700	-0.008		-5	45	60	-0.5	9	-3		
T 14086	9000	2500	-0.008		10	10	40	-0.5	10	4		
T 14087	9400	2500	-0.008		-5	-5	45	-0.5	-1	7		
T 14088	8900	2500	-0.008		5	90	30	0.5	41	-3		
T 14089	10000	2500	-0.008		5	-5	25	-0.5	5	8		
T 14091	9150	2300	-0.008		5	-5	40	-0.5	4	4		
T 14092	9025	2300	-0.008		5	-5	65	-0.5	14	-3		
T 14093	8950	2300	-0.008		-5	-5	70	-0.5	6	3		
T 14094	8675	2300	-0.008		5	100	185	0.5	32	20		
T 14096	8075	500	-0.008		-5	50	30	-0.5	23	-3		
T 14097	8150	500	-0.008		10	60	110	-0.5	75	-3		
T 14098	8275	500	-0.008		15	45	50	-0.5	103	4		
T 14099	8625	500	-0.008		5	-5	40	-0.5	15	-3		
T 14100	8825	500	-0.008		5	50	15	-0.5	11	3		
T 17852	8985	500	-0.008	-0.008	-5	5	30	-0.5	7	-3		
T 17853	9400	500	-0.008		35	-5	100	-0.5	5	-3		
T 27118	8600	1900	0.013	-0.008	-5	40	20	-0.5	3	-3		
T 27119	8775	1900	-0.008		-5	40	30	-0.5	5	6		

Laboratory:	ANALAB										
Method :	309	309	101	101	101	101	114	401	GG309	GG309	
Det. Limit:	0.008	0.008	5.000	5.000	5.000	0.500	1.000	3.000	0.008	0.008	

133092

PROJECT: MT.JACOB ROCK CHIP SAMPLES

SAMPLE NUMBER	NORTH metres	EAST metres	AU PPM	AUCHK PPM	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SN PPM	AU(R) PPM	AU(S) PPM
T 27120	8850	1900	-0.008		-5	5	10	2.0	1	3		
T 27121	8900	1900	-0.008		-5	20	20	-0.5	10	6		
T 27122	9225	1900	-0.008		-5	-5	20	-0.5	6	3		
T 27123	9675	1900	-0.008		-5	-5	5	-0.5	-1	-3		
T 27124	9850	1900	-0.008		55	-5	80	-0.5	-1	4		
T 27125	9700	1700	-0.008		-5	-5	10	-0.5	1	3		
T 27126	9625	1700	-0.008		10	20	15	-0.5	6	-3		
T 27127	9540	1700	-0.008		-5	5	10	-0.5	-1	-3		
T 27128			0.322									
T 27129	8960	1700	-0.008		-5	-5	15	-0.5	-1	5		
T 27130	8700	1700	-0.008		75	-5	2000	1.0	900	-3		
T 27131	8625	1700	-0.008		5	10	15	-0.5	47	-3		
T 27132	9875	1500	-0.008		-5	-5	15	-0.5	1	6		
T 27133	9812	1500	-0.008		-5	-5	15	-0.5	-1	-3		
T 27134	9330	1500	-0.008		-5	-5	-5	-0.5	-1	-3		
T 27135	9260	1490	-0.008		-5	-5	10	-0.5	1	-3		
T 27136	9258	1490	0.011		-5	-5	5	-0.5	4	4		
T 27137	9750	1500	-0.008		-5	-5	10	-0.5	46	-3		
T 27138	8625	1500	-0.008		45	-5	200	1.0	9	5		
T 27139	9875	1300	-0.008		5	55	55	0.5	4	9		
T 27140	9825	1300	-0.008		-5	5	55	-0.5	1	4		
T 27141	9775	1300	-0.008		-5	-5	165	0.5	2	8		
T 27142	9625	1300	-0.008		-5	-5	105	0.5	1	3		
T 27143	9275	1300	-0.008		-5	-5	20	-0.5	4	4		
T 27144	9090	1300	-0.008		-5	10	110	0.5	4	-3		
T 27145	8850	1300	-0.008		20	285	25	2.0	200	-3		
T 27146	9775	1100	-0.008		-5	15	460	-0.5	4	5		
T 27147	9575	1100	-0.008		5	20	100	-0.5	2	5		
T 27148			0.266									
T 27149	9200	1100	0.009		255	7800	140	134.0	500	5		
T 27150	9100	1100	-0.008		-5	25	15	0.5	14	4		
T 27151	8700	1100	-0.008		-5	35	15	0.5	100	3		
T 27152	8625	1100	-0.008		-5	30	10	1.0	16	-3		
T 27153	9500	900	-0.008		25	520	250	1.0	3	-3		
T 27154	8975	900	-0.008		15	20	10	2.5	24	9		

Laboratory:	ANALAB										
Method :	309	309	101	101	101	101	114	401	GG309	GG309	
Det. Limit:	0.008	0.008	5.000	5.000	5.000	0.500	1.000	3.000	0.008	0.008	

133093

PROJECT: MT.JACOB ROCK CHIP SAMPLES

SAMPLE NUMBER	NORTH metres	EAST metres	AU PPM	AUCHK PPM	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SN PPM	AU(R) PPM	AU(S) PPM
T 27155	8850	700	-0.008		-5	45	15	0.5	30	-3		
T 27156	9000	1125										
T 27157	9000	1685										
T 27158	9000	2670										
T 27172	8570	2300	0.015		10	70	40	0.5	34	4		
T 27173	8575	2300	-0.008		30	205	270	0.5	101	3		
T 27174	8580	2300	-0.008		10	45	40	1.0	24	3		
T 27175	8585	2300	-0.008		15	55	60	1.0	12	-3		
T 27176	8590	2300	-0.008		10	25	25	1.0	22	-3		
T 27177	8595	2300	-0.008		20	15	100	0.5	23	5		
T 27178	8600	2300	-0.008		15	570	225	1.0	52	-3		
T 27180	8605	2300	-0.008		15	505	100	0.5	101	-3		-0.008
T 27181	8610	2300	-0.008		15	95	45	1.0	101	5		
T 27182	8615	2300	-0.008		10	85	85	1.0	101	5		
T 27183	8620	2300	0.010		20	120	70	0.5	101	7		
T 27184	8625	2300	0.035		15	420	25	0.5	101	3	0.050	
T 27532	8950	900	-0.008		5	40	15	0.5	34	-3		
T 27533	8600	700										
T 27534			0.300									
T 27535	8850	705	-0.008		5	10	-5	1.0	31	-3		
T 27536	8850	710	-0.008		5	15	-5	0.5	23	-3		
T 27537	8850	715	-0.008		5	50	-5	0.5	30	6		
T 27538	8850	720	-0.008		5	5	-5	0.5	20	-3		
T 27539	8850	725	-0.008		5	-5	-5	0.5	16	-3		
T 27540	8850	730	-0.008		5	30	-5	0.5	22	-3		
T 27541	8850	735	-0.008		5	5	-5	0.5	11	-3		
T 27542	8850	740	-0.008		5	30	-5	0.5	17	-3	-0.008	
T 27543	8850	745	-0.008		5	5	-5	0.5	16	-3		-0.008
T 27544			0.070									
T 27545	8850	695	-0.008		5	10	5	0.5	25	-3		
T 27546	8850	690	-0.008		5	20	-5	-0.5	33	-3		
T 27547	8850	700	-0.008		10	100	-5	-0.5	28	-3		

Laboratory:	ANALAB										
Method :	309	309	101	101	101	101	114	401	GG309	GG309	
Det. Limit:	0.008	0.008	5.000	5.000	5.000	0.500	1.000	3.000	0.008	0.008	

133094

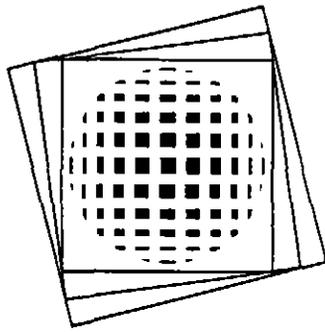
PROJECT: MT.JACOB ROCK CHIP SAMPLES

SAMPLE NUMBER	NORTH metres	EAST metres	AU PPM	AUCHK PPM	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SN PPM	AU(R) PPM	AU(S) PPM
T 27548	9190	2700	-0.008		10	40	75	0.5	4	-3		
T 27549	9180	2700	-0.008		35	180	20	1.0	23	-3		
T 27550	9170	2700	-0.008		5	510	5	0.5	24	-3		
T 27551	9160	2700	-0.008		5	60	30	1.0	13	-3		
T 27552	9150	2700	-0.008		10	275	5	1.5	18	-3		
T 27553	9140	2700	-0.008		10	150	5	1.0	19	-3		
T 27554			0.260									
T 27555	9130	2700	-0.008		5	165	5	1.0	10	-3		
T 27556	9120	2700	-0.008		10	370	85	0.5	14	-3		
T 27557	9110	2700	-0.008		20	880	50	1.0	18	-3		
T 27558	9100	2700	-0.008		15	225	35	1.0	15	-3	-0.008	
T 27559	9090	2700	-0.008		25	355	25	1.0	20	-3		
T 27560	9080	2700	-0.008		5	40	85	1.0	2	-3		
T 27561	9070	2700	-0.008		5	15	10	1.0	4	-3		
T 27562	9060	2700	-0.008		5	-5	10	1.0	1	3		
T 27563	9050	2700	-0.008		5	-5	20	1.0	1	-3		
T 27564			0.070									
T 27565	9040	2700	-0.008		5	-5	85	1.0	2	-3		
T 27566	9030	2700	-0.008		5	45	5	1.0	5	-3		
T 27567	9020	2700	-0.008		45	35	450	1.0	16	-3		
T 27568	9010	2700	-0.008		20	125	315	1.0	11	-3	-0.008	
T 27569	9000	2700	-0.008		10	135	105	1.0	20	-3		-0.008
T 27570	9590	1300	-0.008		35	-5	25	1.0	2	-3		
T 27571	9615	1300	-0.008		5	-5	125	0.5	3	-3		
T 27572	9870	2050	-0.008		5	-5	5	0.5	3	-3		
T 27573	9875	2090	-0.008		5	-5	-5	0.5	3	-3		
T 27574			0.065									
T 27575	9500	900	-0.008		10	-5	100	0.5	5	-3		

Laboratory:	ANALAB										
Method :	309	309	101	101	101	101	114	401	GG309	GG309	
Det. Limit:	0.008	0.008	5.000	5.000	5.000	0.500	1.000	3.000	0.008	0.008	

APPENDIX 4

Processing of Magnetics & Radiometrics for the Moina-Housetop
area, Tasmania for RGC Exploration Pty. Limited. (R.N. Walker).



GEOIMAGE
 SPECIALISTS IN IMAGE PROCESSING AND REMOTE SENSING APPLICATIONS

PROCESSING
 of
MAGNETICS AND RADIOMETRICS
 for the
MOINA-HOUSTOP AREA, TASMANIA

for

RGC EXPLORATION PTY. LIMITED

.....
R.N. Walker
 June, 1989

DISTRIBUTION

RGC EXPLORATION (Canberra)
RGC EXPLORATION (Canberra)
B. Wyatt (Canberra)
GEOIMAGE PTY. LTD. (without slides)

INTRODUCTION

Under instructions from Mr S. Mudge of Renison Goldfields, Canberra and Mr B. Wyatt of Wyatt and Associates, airborne geophysical data over the Moina-Housetop area of Tasmania has been processed. The work involved -

- . reading data off a located data tape
- . gridding the Moina area at 50 metre cell size for -
 - magnetic intensity
 - vertical derivative
 - vertical derivative with automatic gain
 - 4 radiometric channels
- . gridding the full Moina-Housetop area at 50 metre and 120 metre cell sizes for -
 - magnetic intensity
 - vertical derivative
 - vertical derivative with automatic gain
- . processing and photography of the above files over the Moina area under instructions from Mr B. Wyatt on June 6 and 7
- . preparation of the flight line diagrams at 1:100 000 scale
- . processing and photography of three areas referred to as Northern, Central and Western

PROCESSING

The immediate Moina area was gridded with the parameters

BLHC	410000 E	5390000 N
Samples	620	
Lines	900	
Sample size	50 metres	

for magnetics, vertical derivative (VD) and VD with automatic gain control (AGC). (The VD and VD with AGC were processed on the flight line data using an along line 31-point FFT derived filter). The gridding algorithm used was a minimum curvature with an initial cell size of 50m by 100m which was splined to 50m square.

The radiometrics were gridded with a two dimensional spline. Inspection of the data suggested that the data may not have been corrected and approximate corrections were applied.

At a later stage, the whole area was gridded using the same techniques as described above. The parameters used were

BLHC	382000 E	5390000 N
Samples	1200	
Lines	1200	
Sample size	50 metres	

The Appendix contains output from runs converting the real grid files to byte files.

MOINA AREA - LIST OF SLIDES

Subsampling Parameters 561 51 620 512 1 1

- 1 Corrected radiometrics colour composite
Uranium in blue, Thorium in green and Potassium in red
- 2 Rainbow pseudocoloured Total Count
- 3 Rainbow pseudocoloured Potassium
- 4 Rainbow pseudocoloured Uranium
- 5 Rainbow pseudocoloured Thorium
- 6 Rainbow pseudocoloured Potassium/Thorium Ratio
- 7 Rainbow pseudocoloured Thorium/Potassium Ratio
- 8 Rainbow pseudocoloured Potassium/Uranium Ratio
- 9 Rainbow pseudocoloured Uranium/Potassium Ratio
- 10 Rainbow pseudocoloured Thorium/Uranium Ratio
- 11 Rainbow pseudocoloured Uranium/Thorium Ratio
- 12 Rainbow pseudocoloured Altitude
- 13 Greyscale Magnetics
- 14 Rainbow pseudocoloured Magnetics
- 15 Greyscale Vertical Derivative
- 16 Rainbow pseudocoloured Vertical Derivative
- 17 Greyscale Vertical Derivative (VD) with Automatic Gain Control (AGC)
- 18 Rainbow pseudocoloured VD with AGC
- 19 Greyscale VD with AGC and 3x3 Low Pass Filter (LPF)
- 20 Rainbow pseudocoloured VD with AGC and 3x3 LPF
- 21 Rainbow pseudocoloured VD with AGC and 3x3 LPF with vertical illumination
- 22 Greyscale VD with AGC and 3x3 LPF with 0 degree azimuth, 26 degree altitude illumination
- 23 As above with rainbow pseudocolour
- 24 Greyscale VD with AGC and 3x3 LPF with 45 degree azimuth, 26 degree altitude illumination

MOINA AREA - LIST OF SLIDES (ctd)

- 25 As above with rainbow pseudocolour
- 26 Greyscale VD with AGC and 3x3 LPF with 90 degree azimuth, 26 degree altitude illumination
- 27 As above with rainbow pseudocolour
- 28 Greyscale VD with AGC and 3x3 LPF with 135 degree azimuth, 26 degree altitude illumination
- 29 As above with rainbow pseudocolour
- 30 Red-green colour composite of VD with AGC and 3x3 LPF 45 degree azimuth shade in green, 135 degree azimuth shade in red
- 31 Greyscale 50 metre downward continuation on Magnetics
- 32 Rainbow pseudocoloured 50 metre downward continuation on Magnetics
- 33 Greyscale 100 metre upward continuation on Magnetics
- 34 Rainbow pseudocoloured 100 metre upward continuation on Magnetics
- 35 Greyscale 300 metre upward continuation on Magnetics
- 36 Rainbow pseudocoloured 300 metre upward continuation on Magnetics

LIST OF MISCELLANEOUS SLIDES

Greyscale Comparison of Magnetics, VD and VD with AGC in three strips

Rainbow pseudocoloured Comparison as above

Greyscale Magnetics

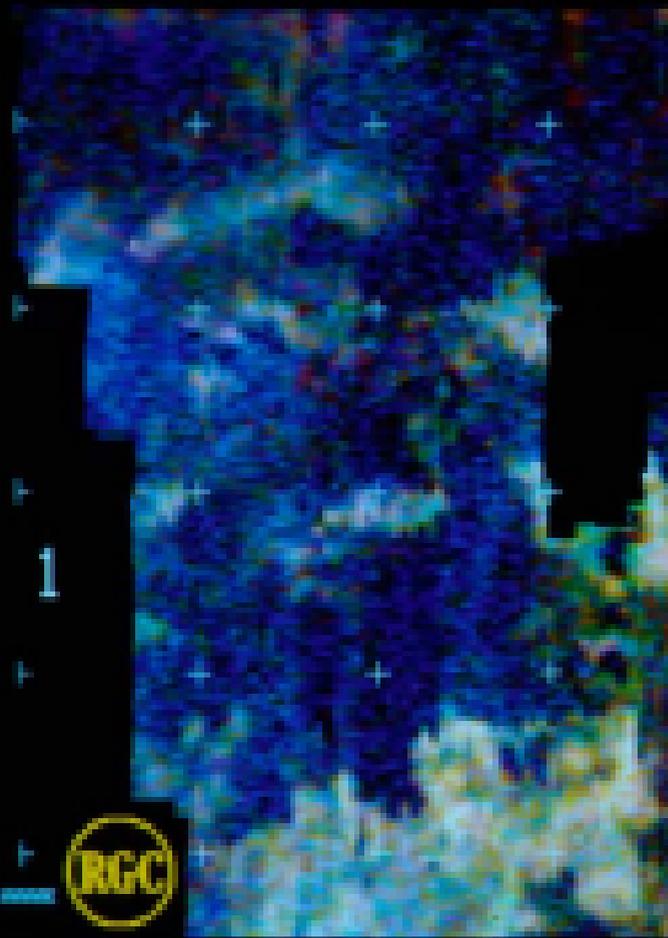
Rainbow pseudocoloured Magnetics

Greyscale Vertical Derivative

Rainbow pseudocoloured Vertical Derivative

Greyscale Vertical Derivative (VD) with Automatic Gain Control (AGC)

Rainbow pseudocoloured VD with AGC



100000 400000 800000

+ + + 1000000

MOJHA - HOUSETOP

COLOR PANCHROMATIC COMPOSITE

R-RED G-GREEN B-BLUE

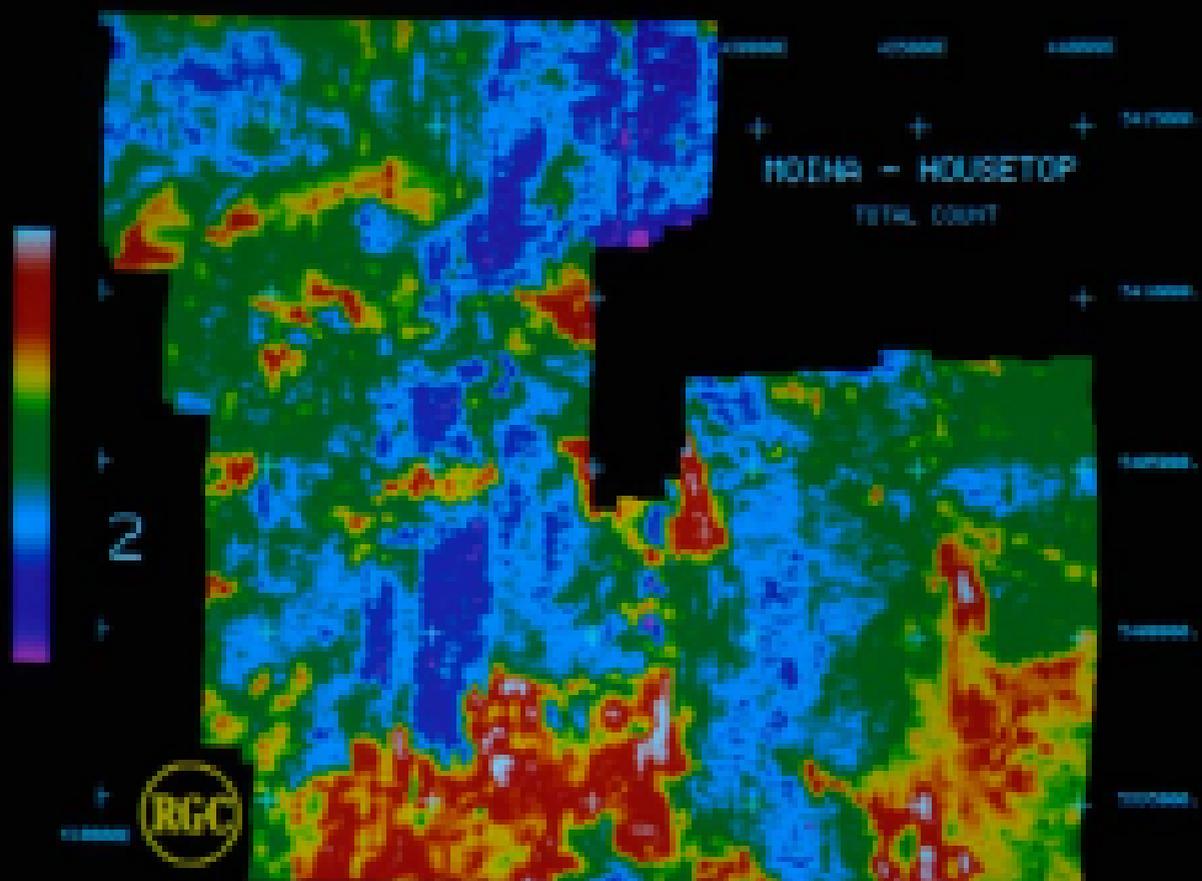
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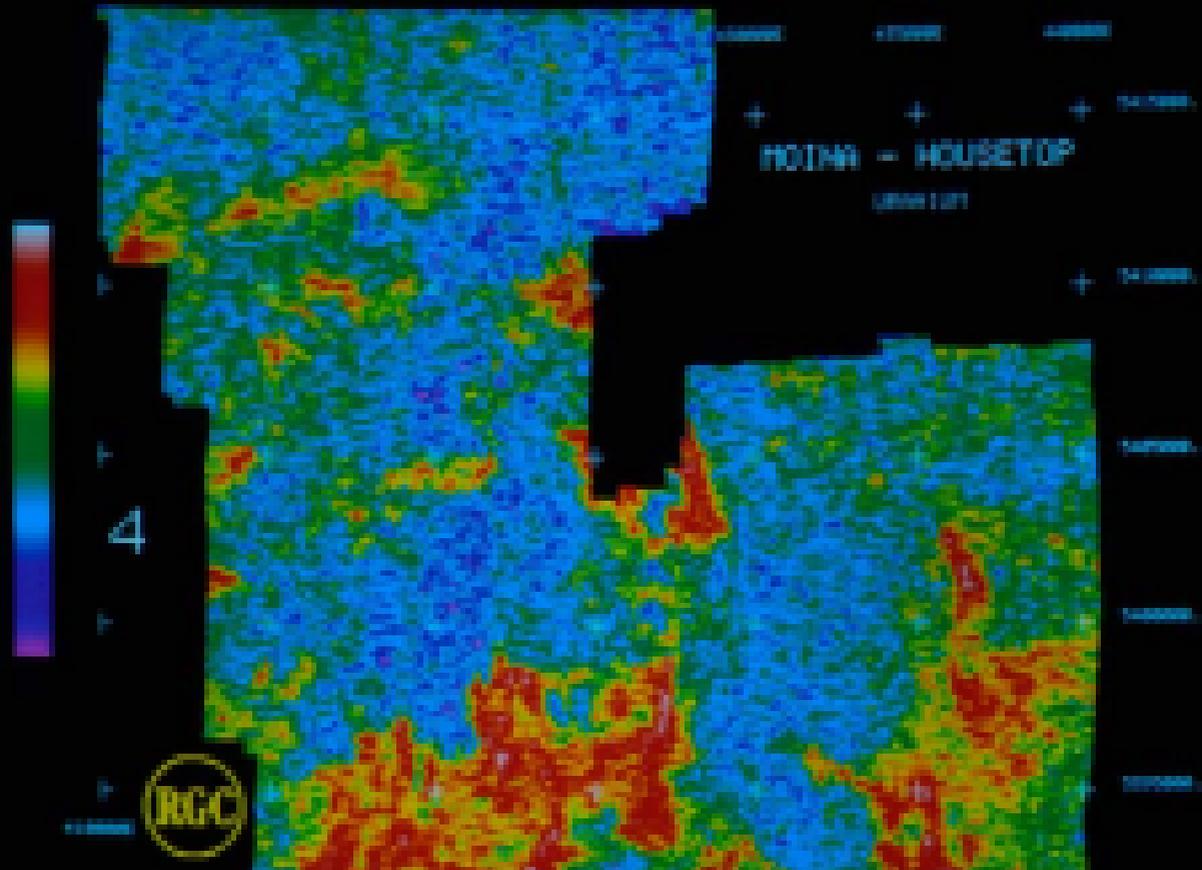
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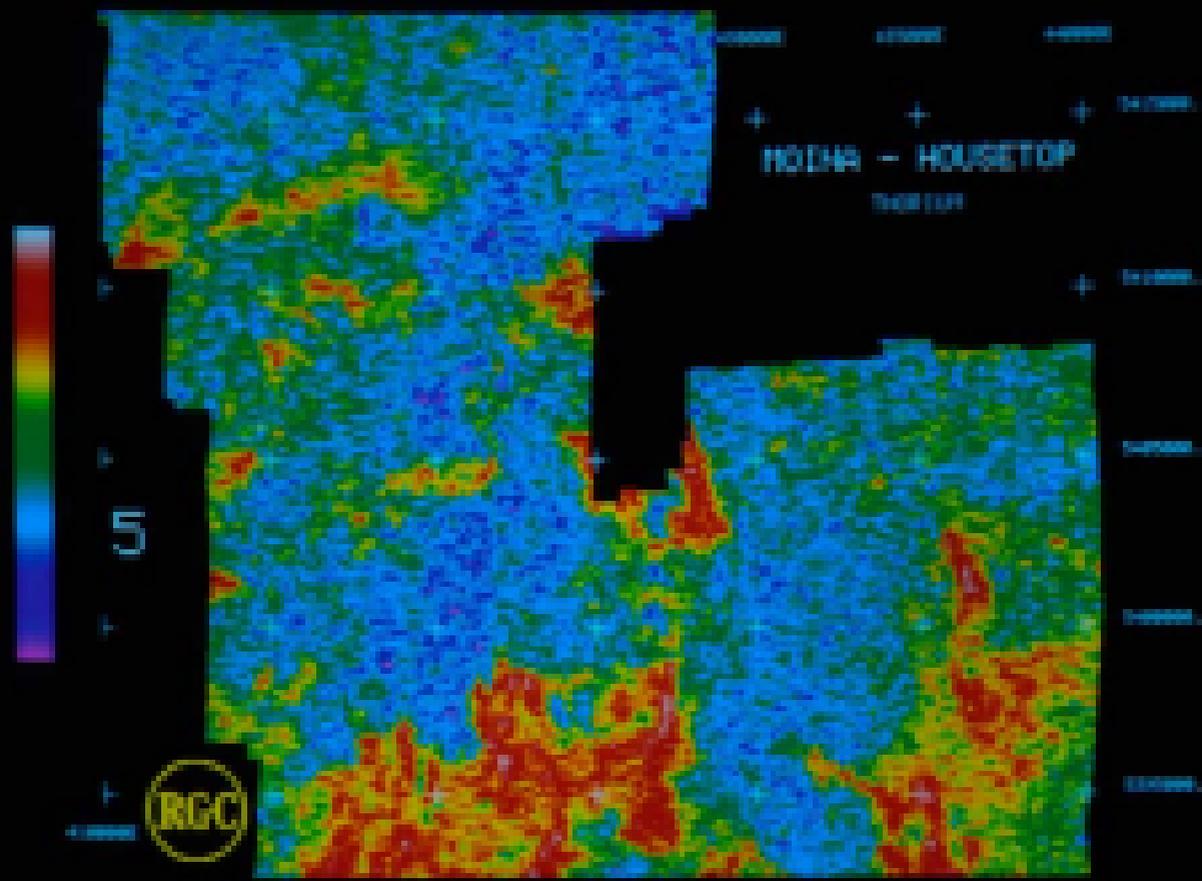
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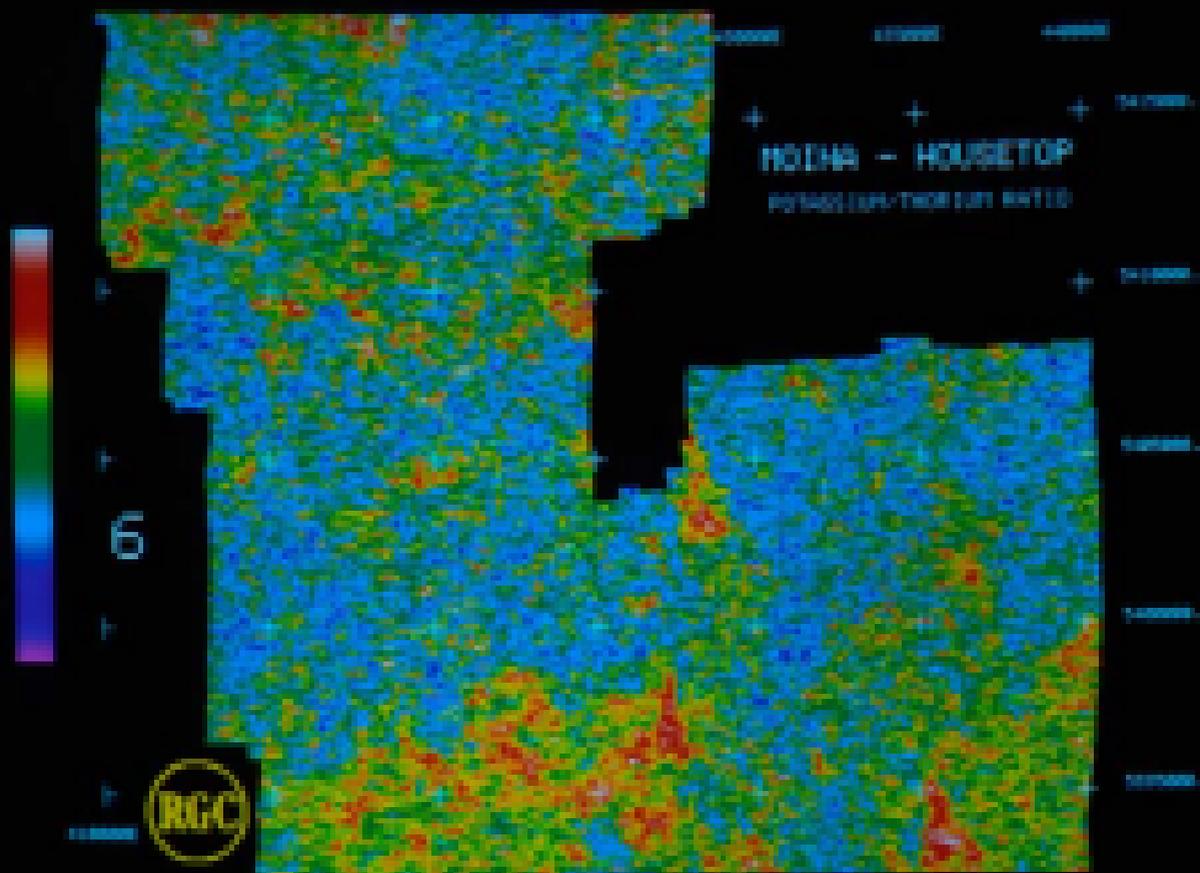
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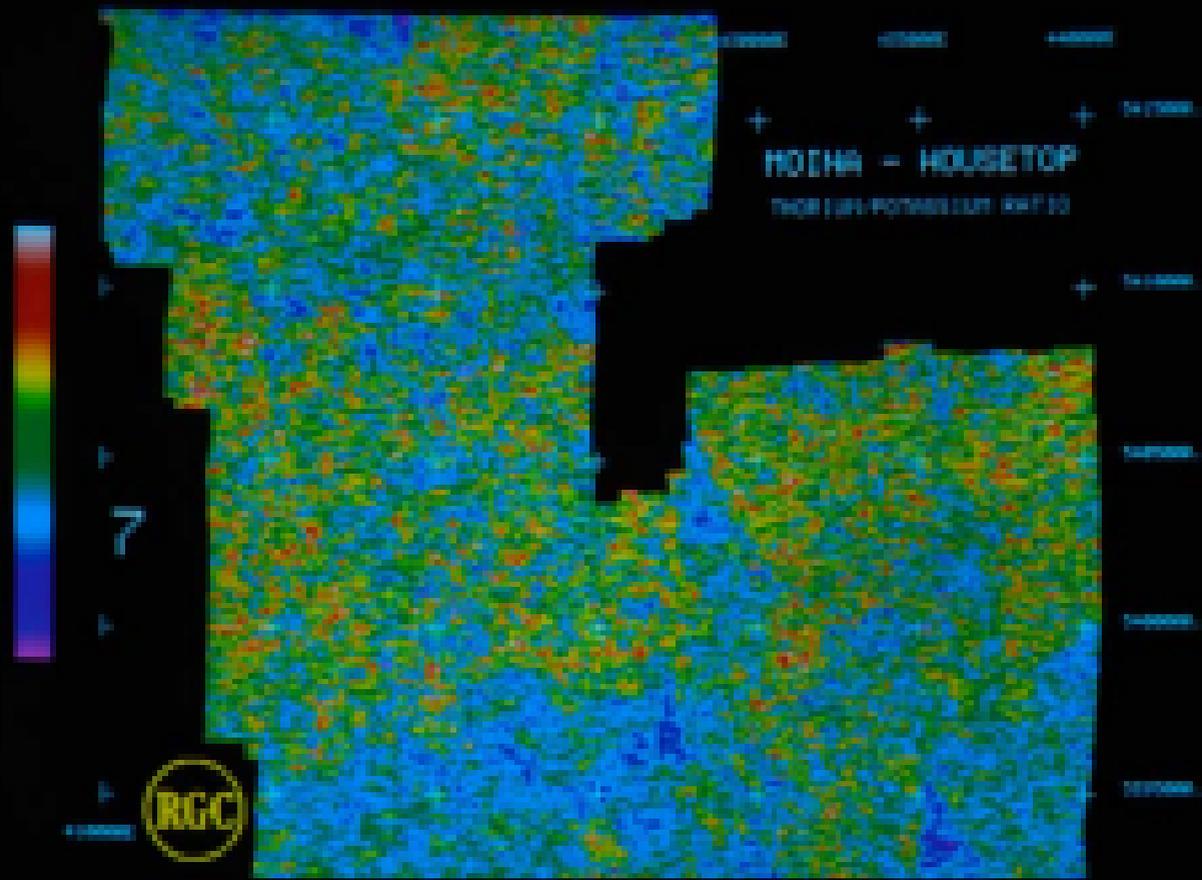


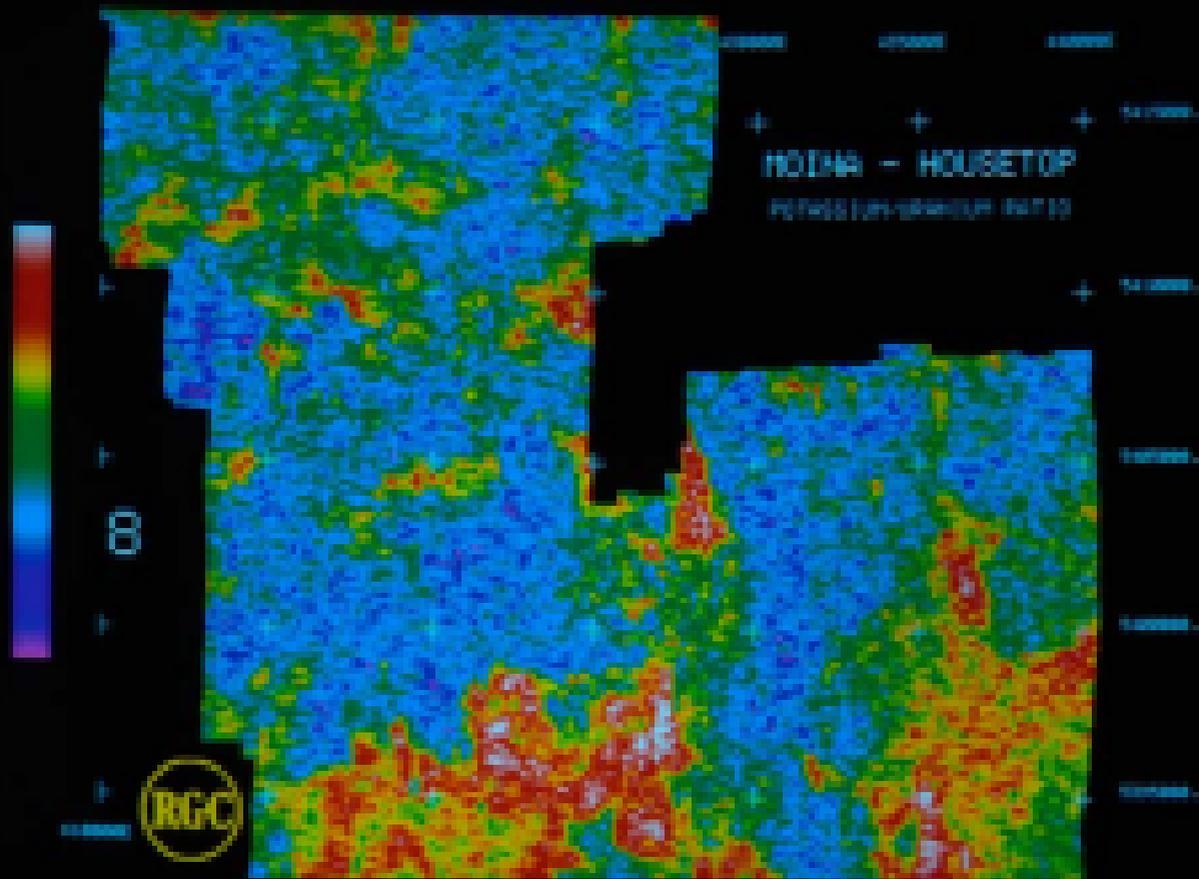


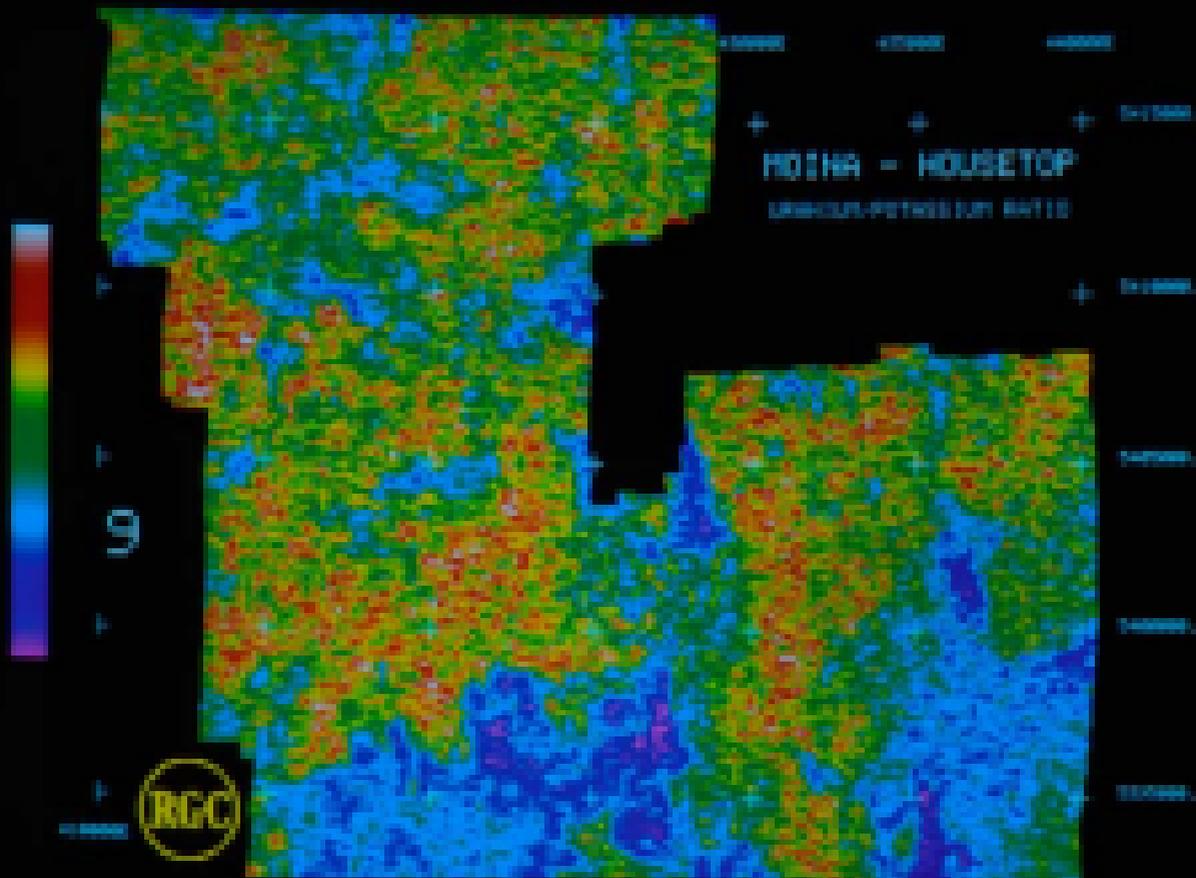




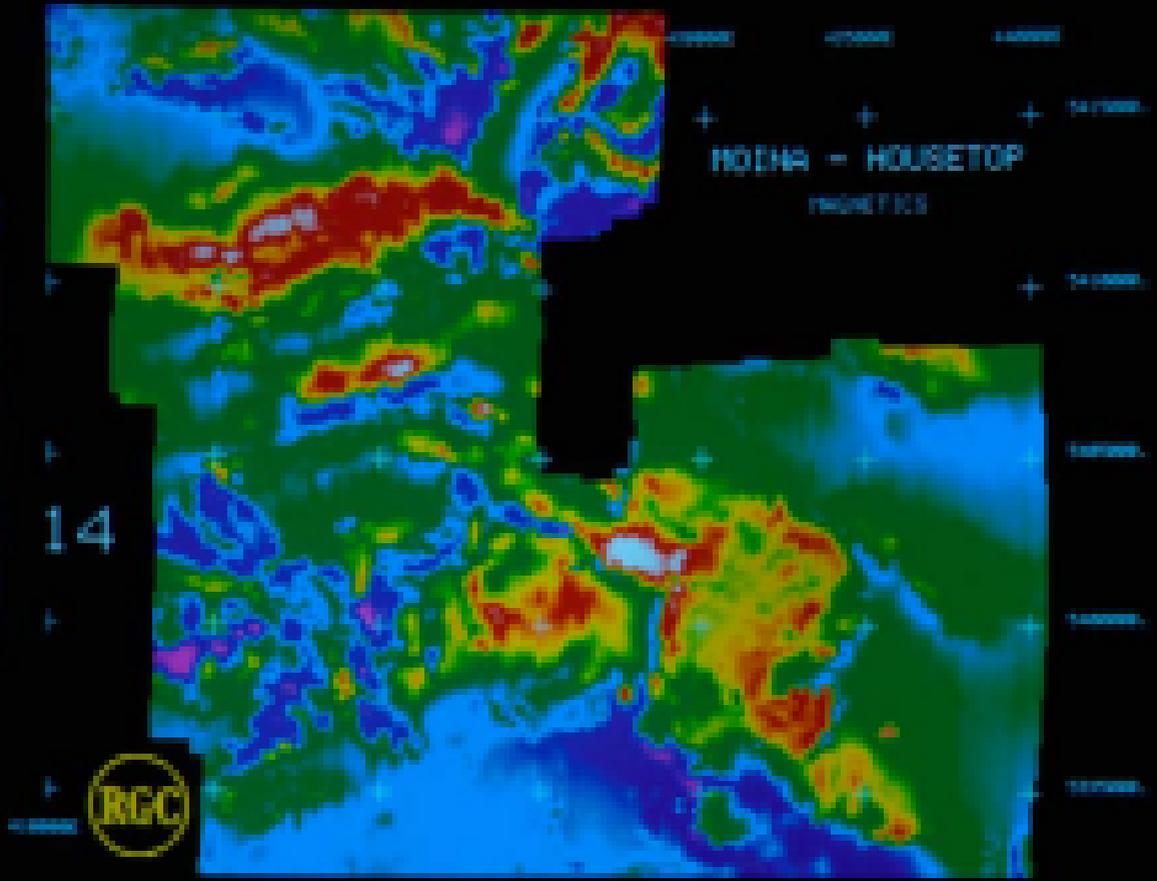












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0

14



NODHA - HOUSETOP
PROJECTS

1000



1500

15



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100000

NOINA - HOUSETOP

PROTICS
VERTICAL DERIVATIVE

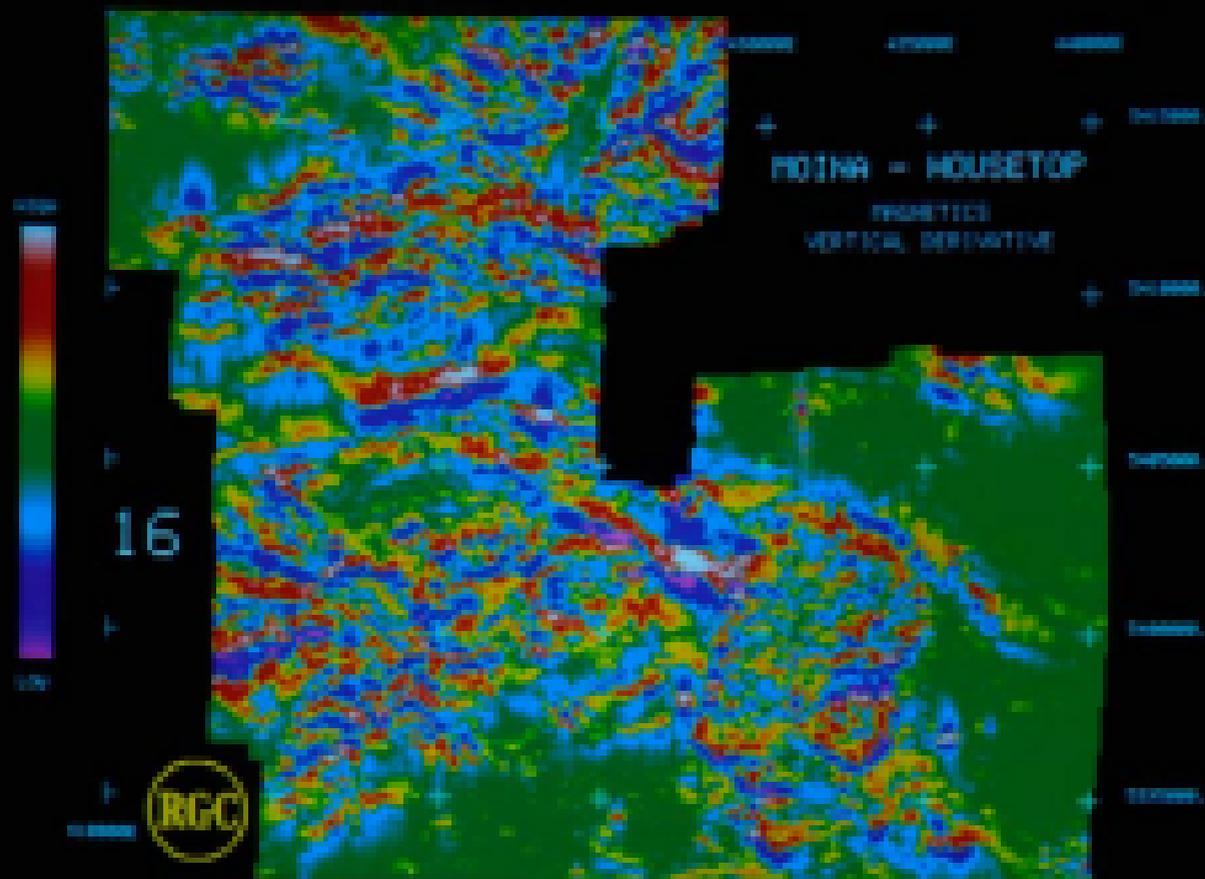
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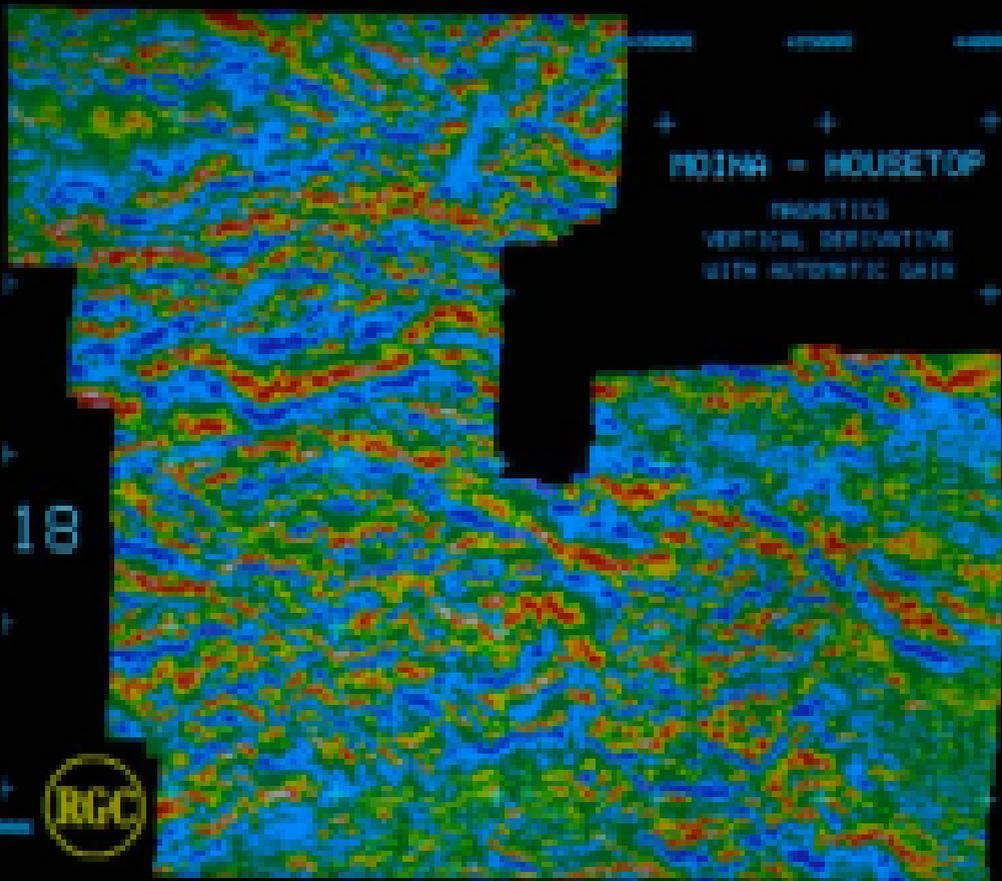
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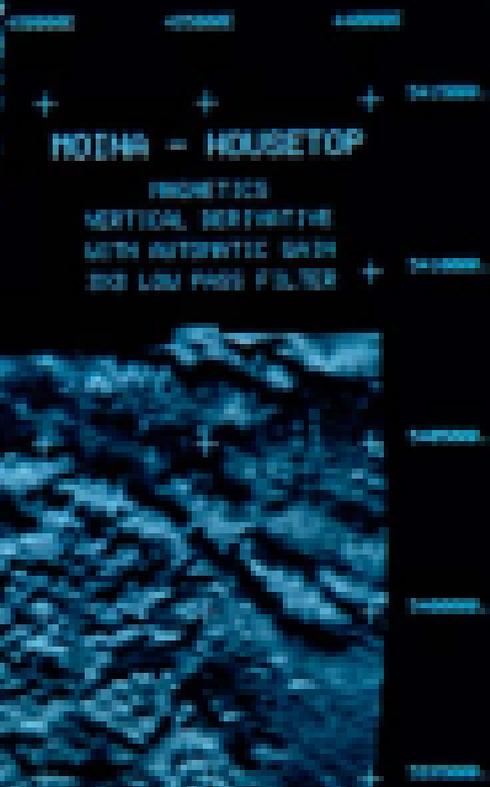
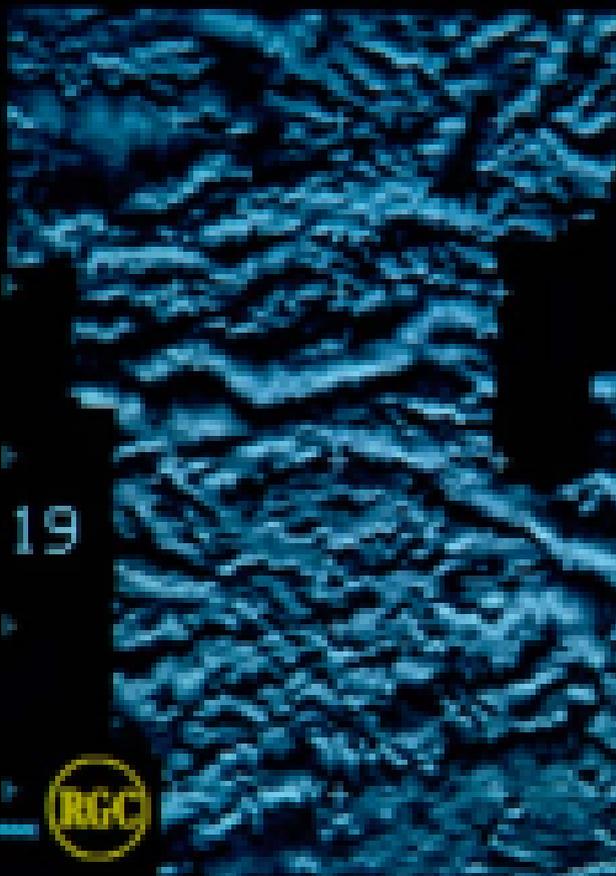


POINA - HOUSETOP

PROSPECTS
VERTICAL DERIVATIVE
WITH AUTOMATIC GAIN



300000
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200000
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-100000
-200000
-300000





0.00



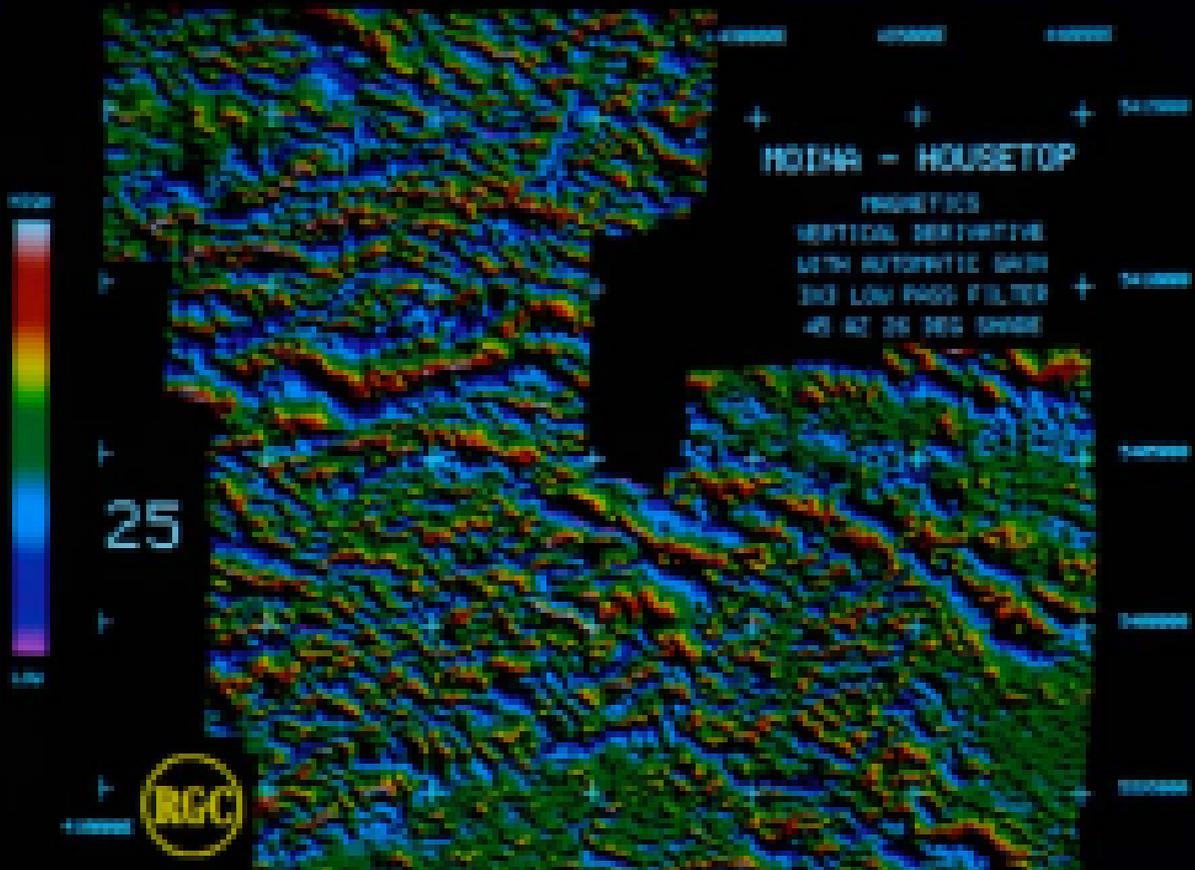
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HOIHA - HOUSETOP

RELIEF
VERTICAL DERIVATIVE
WITH AUTOMATIC GAIN
AND LOW PASS FILTER
45 60 90 DEG SWEEP

RGC



10000



26



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10000

10000

+

+

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HOIMA - HOUSETOP

FACETED
VERTICAL DERIVATIVE
WITH AUTOMATIC GAIN
AND LOW PASS FILTER
ON AT 20 DEG SCALE

+

10000

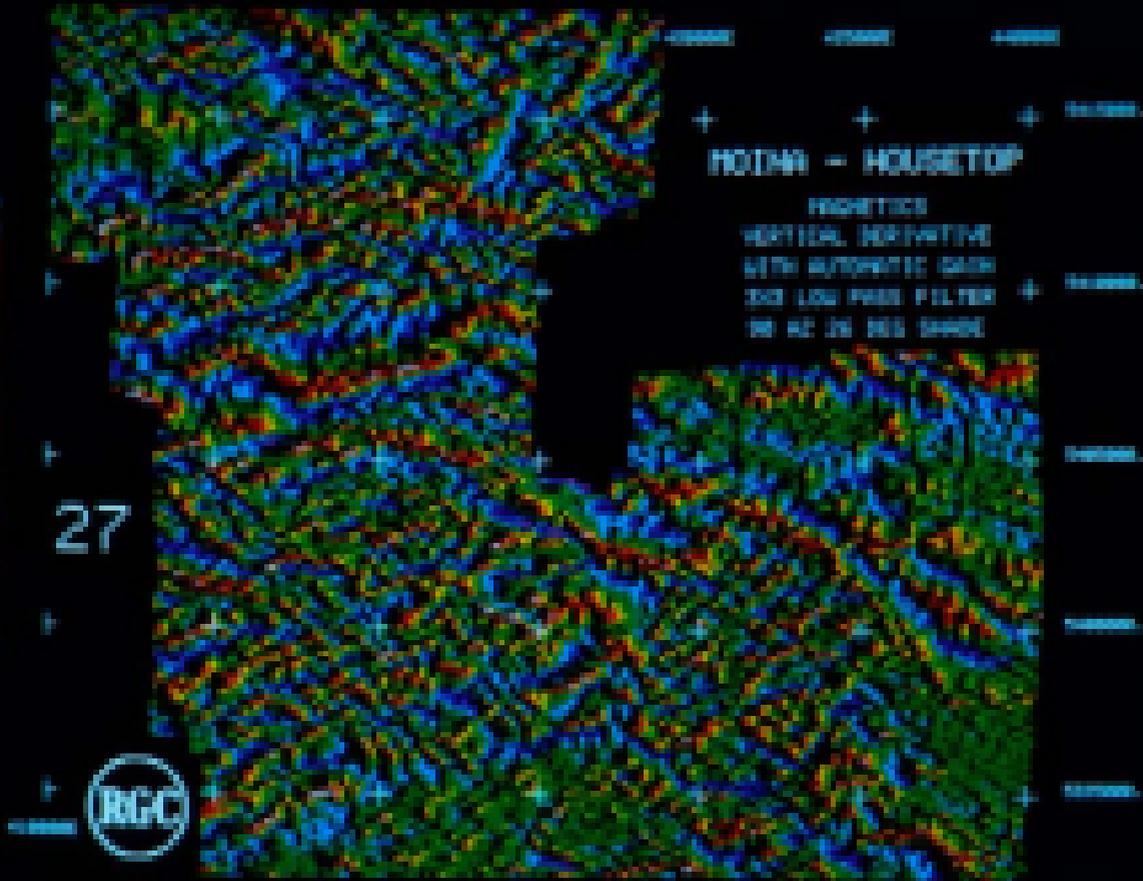
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27



NDVI - HOUSETOP

PROCESO
VERTICAL (NOFATIVE)
SETH AUTOMATIC GAIN
100 LOW PASS FILTER
100 AC 20 100 50000





29



00000 01000 02000

+ + +

NOINA - HOUSETOP

PHASED
VERTICAL DERIVATIVE
WITH AUTOMATIC GAIN
AND LOW PASS FILTER
125 AC 30 DEG 10000

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10000
20000
30000
40000

100%



0%

30



100000

100000

100000

+

+

+

100000

MODNA - HOUSETOP

HIGHLIGHTS

VERTICAL DERIVATIVE

WITH AUTOMATIC GAIN

300 HZ LOW PASS FILTER

40 HZ GREEN 120 HZ RED

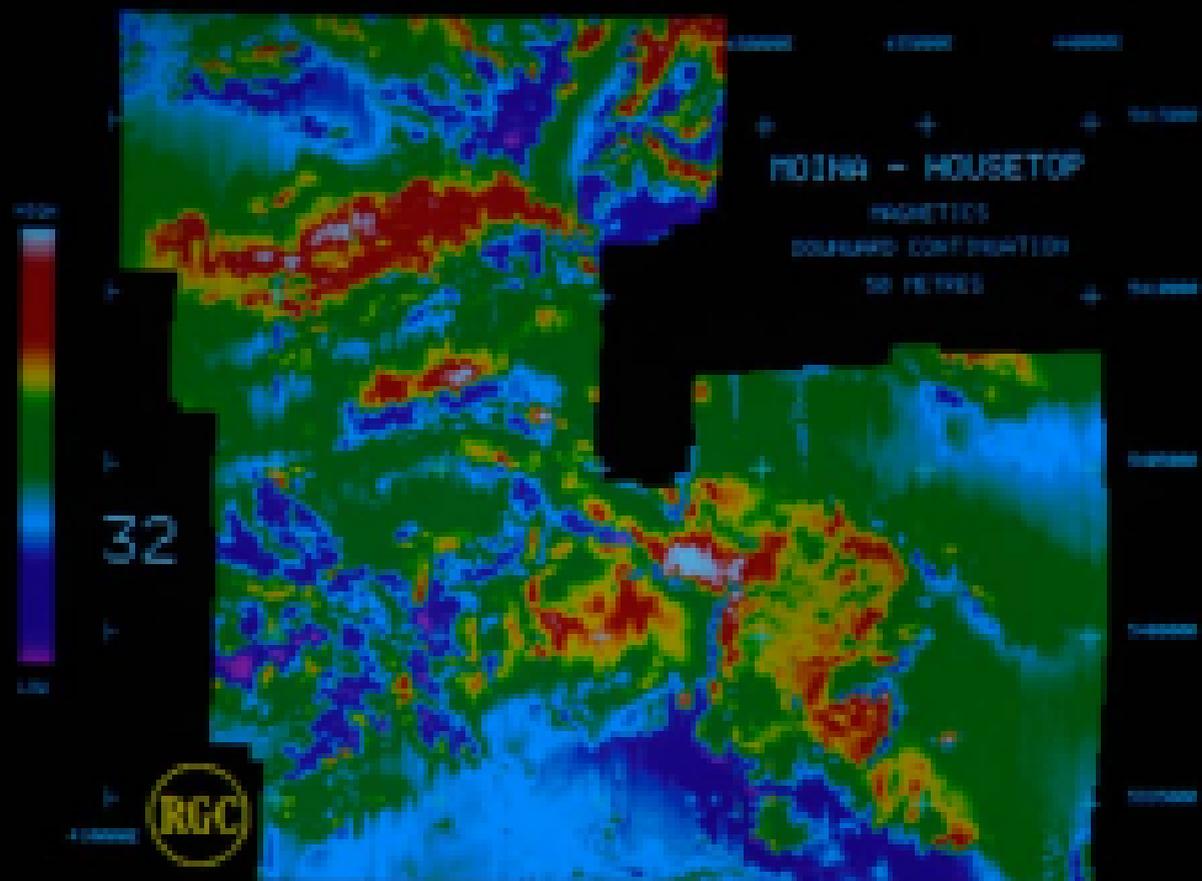
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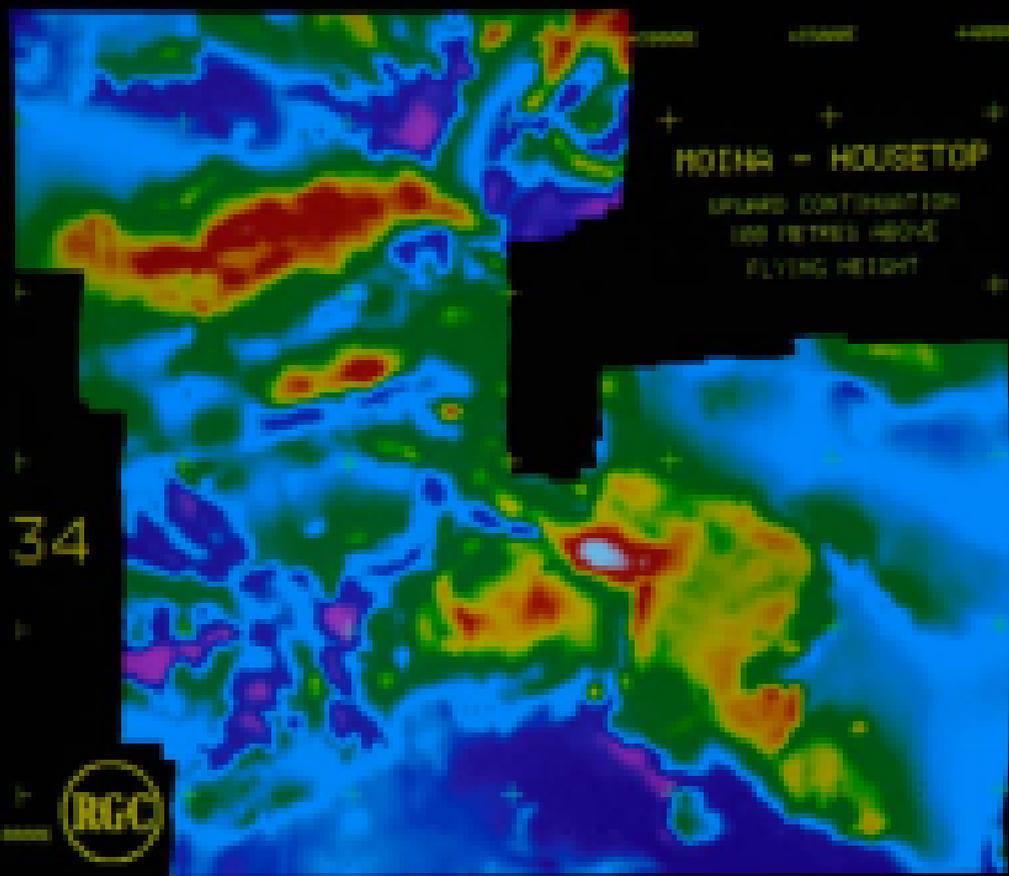
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MOCHA - HOUSETOP

UPWARD CONTINUATION
100 METERS ABOVE
FLYING HEIGHT

34



10.0000

10.0000 10.0000 10.0000

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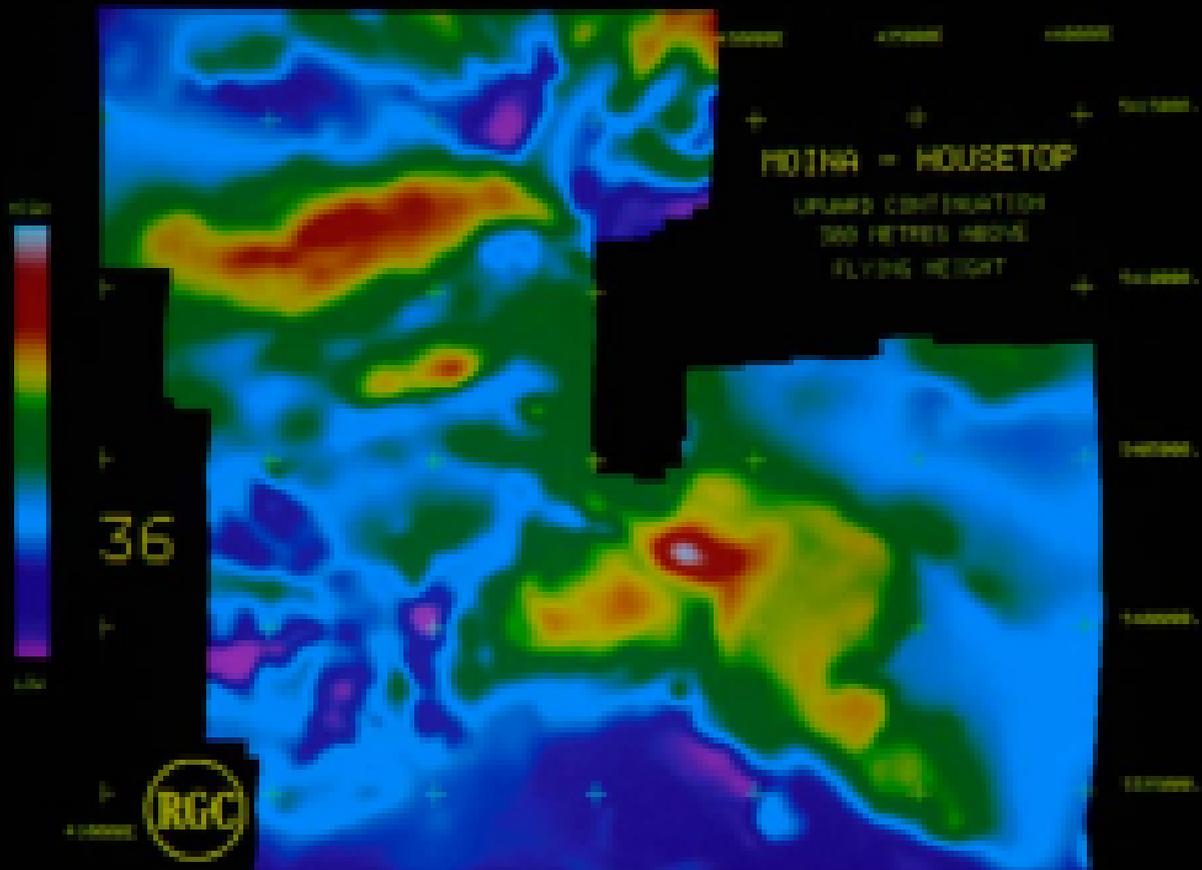
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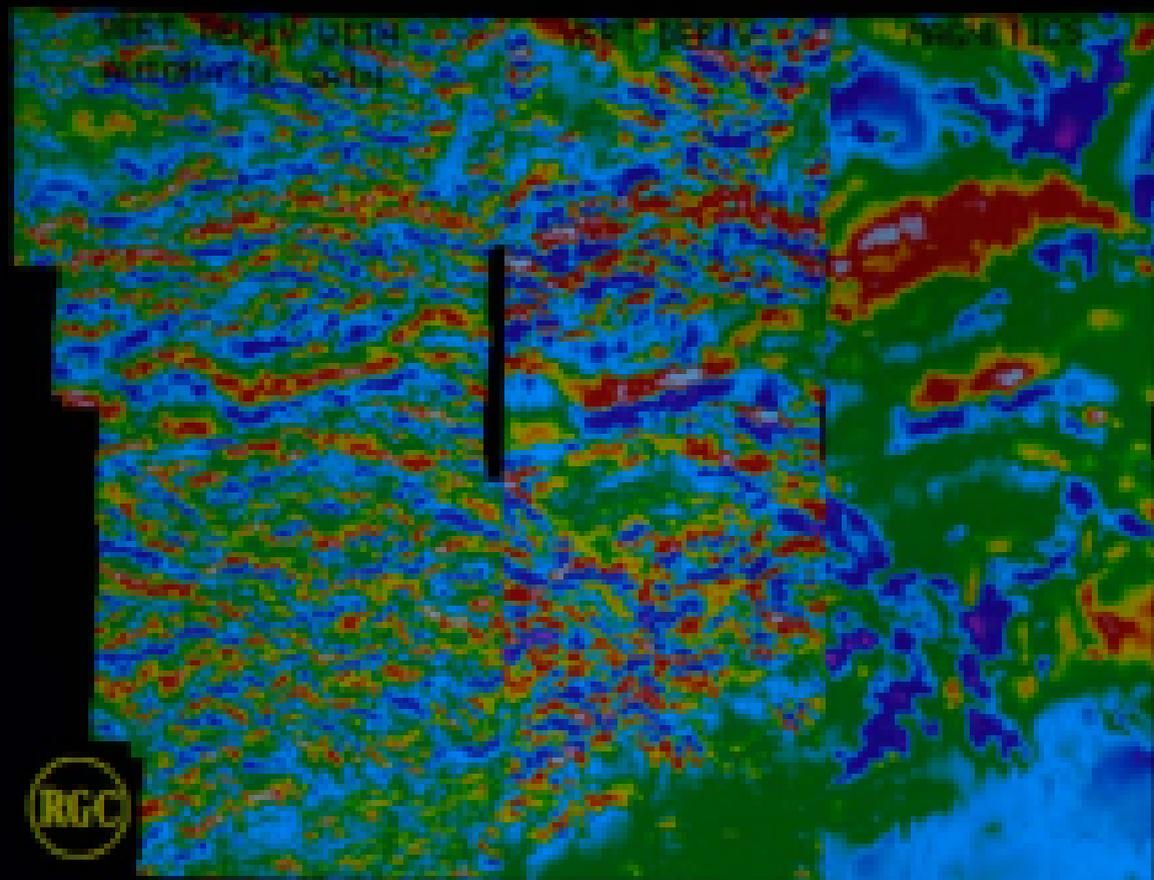


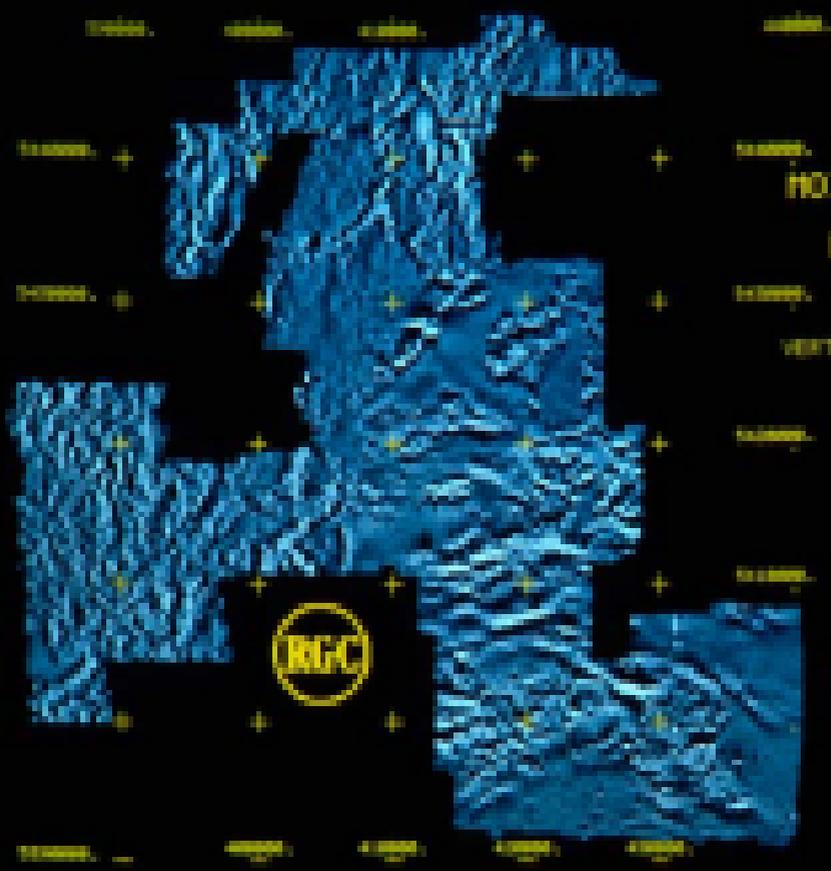
VERT. BEAM WITH
AUTOMATIC GAIN

WAT. DEPTH

MAGNETICS





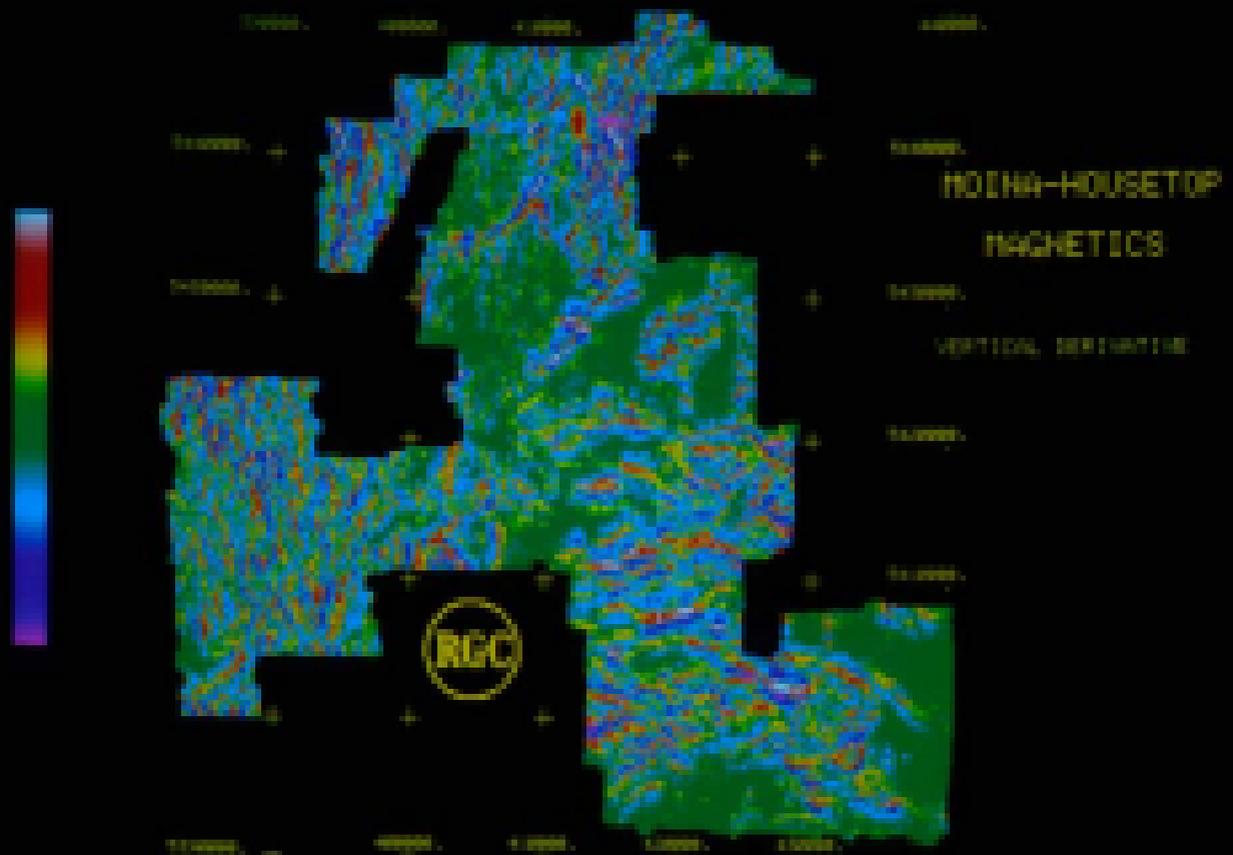


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 -5000
 -10000

**NOIHA-HOUSETOP
 MAGNETICS**

VERTICAL DERIVATIVE

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 5000
 0
 -5000
 -10000





**HOINA-HOUSEDOP
MAGNETICS**

VERTICAL DERIVATIVE
WITH AUTOMATIC GAIN

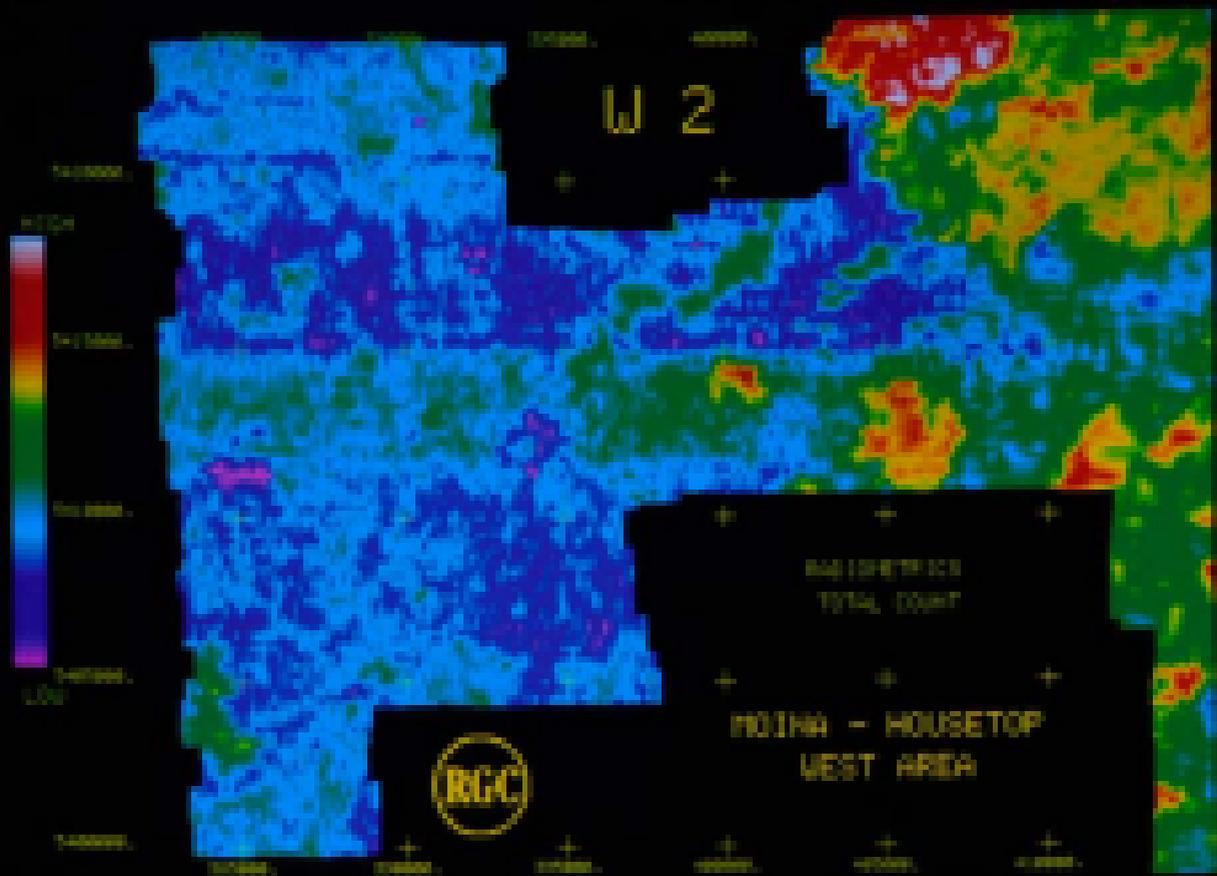
WESTERN AREA - LIST OF SLIDES

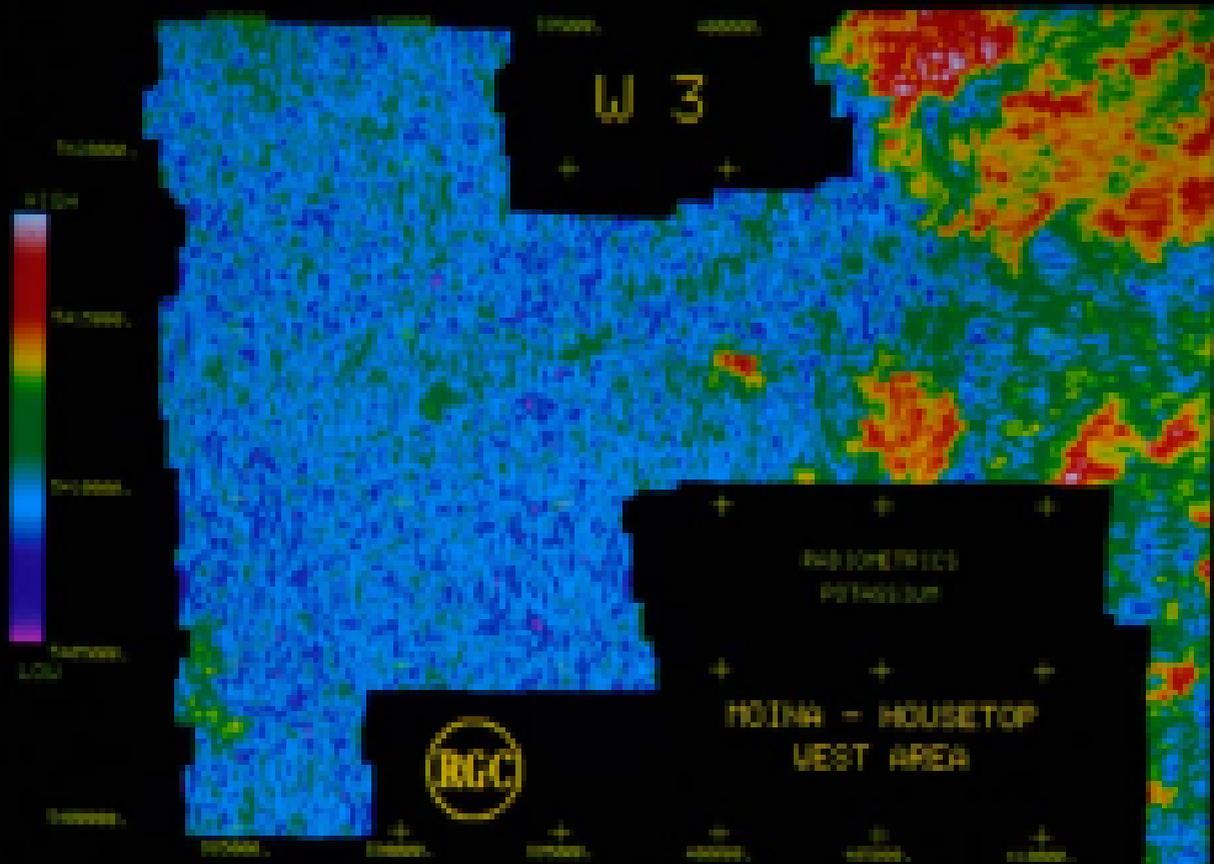
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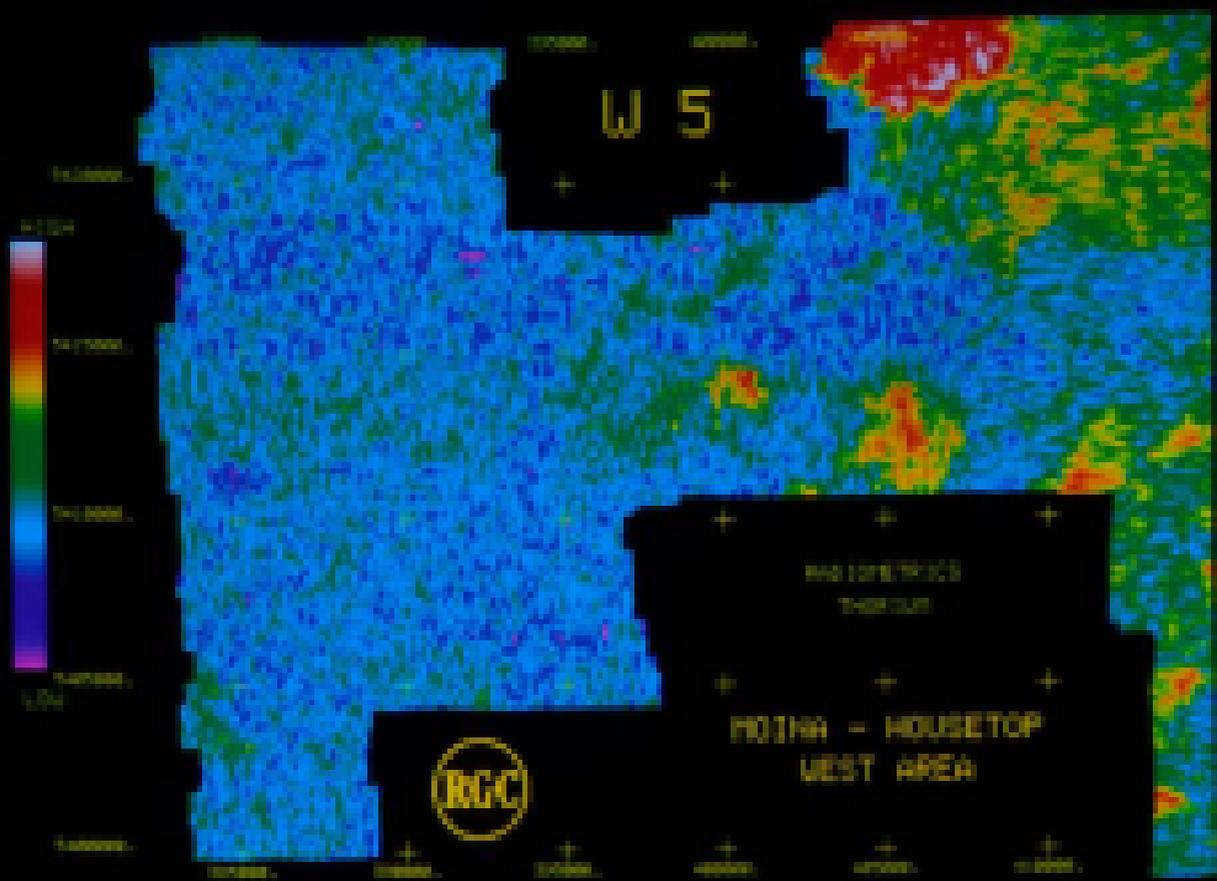
- 1 Corrected radiometrics colour composite
Uranium in blue, Thorium in green and Potassium in red
- 2 Rainbow pseudocoloured Total Count
- 3 Rainbow pseudocoloured Potassium
- 4 Rainbow pseudocoloured Uranium
- 5 Rainbow pseudocoloured Thorium
- 6 Rainbow pseudocoloured Potassium/Thorium Ratio
- 7 Rainbow pseudocoloured Thorium/Potassium Ratio
- 8 Rainbow pseudocoloured Potassium/Uranium Ratio
- 9 Rainbow pseudocoloured Uranium/Potassium Ratio
- 10 Rainbow pseudocoloured Thorium/Uranium Ratio
- 11 Rainbow pseudocoloured Uranium/Thorium Ratio
- 12 Rainbow pseudocoloured Altitude
- 13 Greyscale Magnetics
- 14 Rainbow pseudocoloured Magnetics
- 15 Greyscale Vertical Derivative
- 16 Rainbow pseudocoloured Vertical Derivative
- 17 Greyscale Vertical Derivative (VD) with Automatic Gain Control (AGC)
- 18 Rainbow pseudocoloured VD with AGC
- 19 Greyscale VD with AGC and 3x3 Low Pass Filter (LPF)
- 20 Rainbow pseudocoloured VD with AGC and 3x3 LPF
- 21 Rainbow pseudocoloured VD with AGC and 3x3 LPF with vertical illumination
- 22 Greyscale VD with AGC and 3x3 LPF with 0 degree azimuth, 26 degree altitude illumination
- 23 As above with rainbow pseudocolour
- 24 Greyscale VD with AGC and 3x3 LPF with 45 degree azimuth, 26 degree altitude illumination

WESTERN AREA - LIST OF SLIDES (ctd)

- 25 As above with rainbow pseudocolour
- 26 Greyscale VD with AGC and 3x3 LPF with 90 degree azimuth, 26 degree altitude illumination
- 27 As above with rainbow pseudocolour
- 28 Greyscale VD with AGC and 3x3 LPF with 135 degree azimuth, 26 degree altitude illumination
- 29 As above with rainbow pseudocolour
- 30 Red-green colour composite of VD with AGC and 3x3 LPF 45 degree azimuth shade in green, 135 degree azimuth shade in red
- 31 Greyscale 50 metre downward continuation on Magnetics
- 32 Rainbow pseudocoloured 50 metre downward continuation on Magnetics
- 33 Greyscale 100 metre upward continuation on Magnetics
- 34 Rainbow pseudocoloured 100 metre upward continuation on Magnetics
- 35 Greyscale 300 metre upward continuation on Magnetics
- 36 Rainbow pseudocoloured 300 metre upward continuation on Magnetics





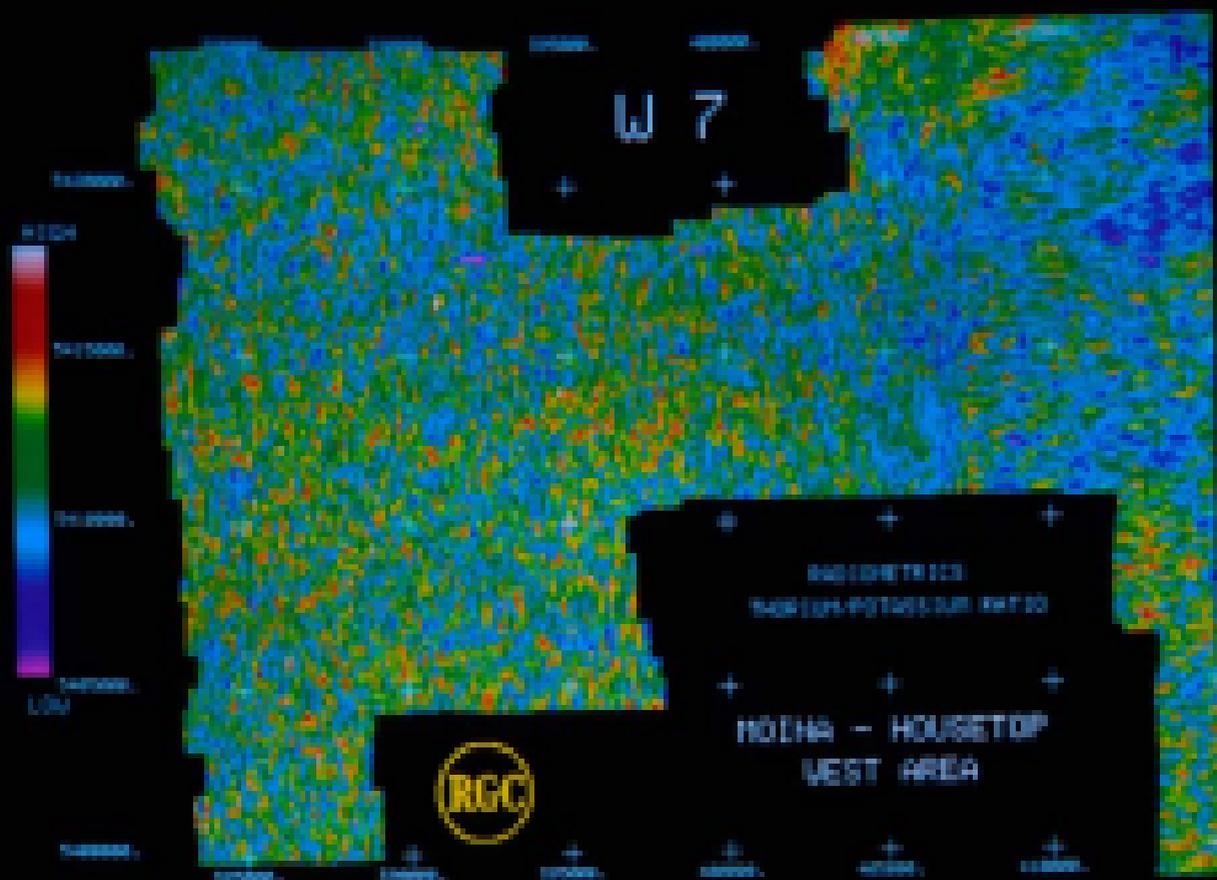


W 5



MAD JONETRICS
THIRUVA

MOJHA - HOUSETOP
WEST AREA

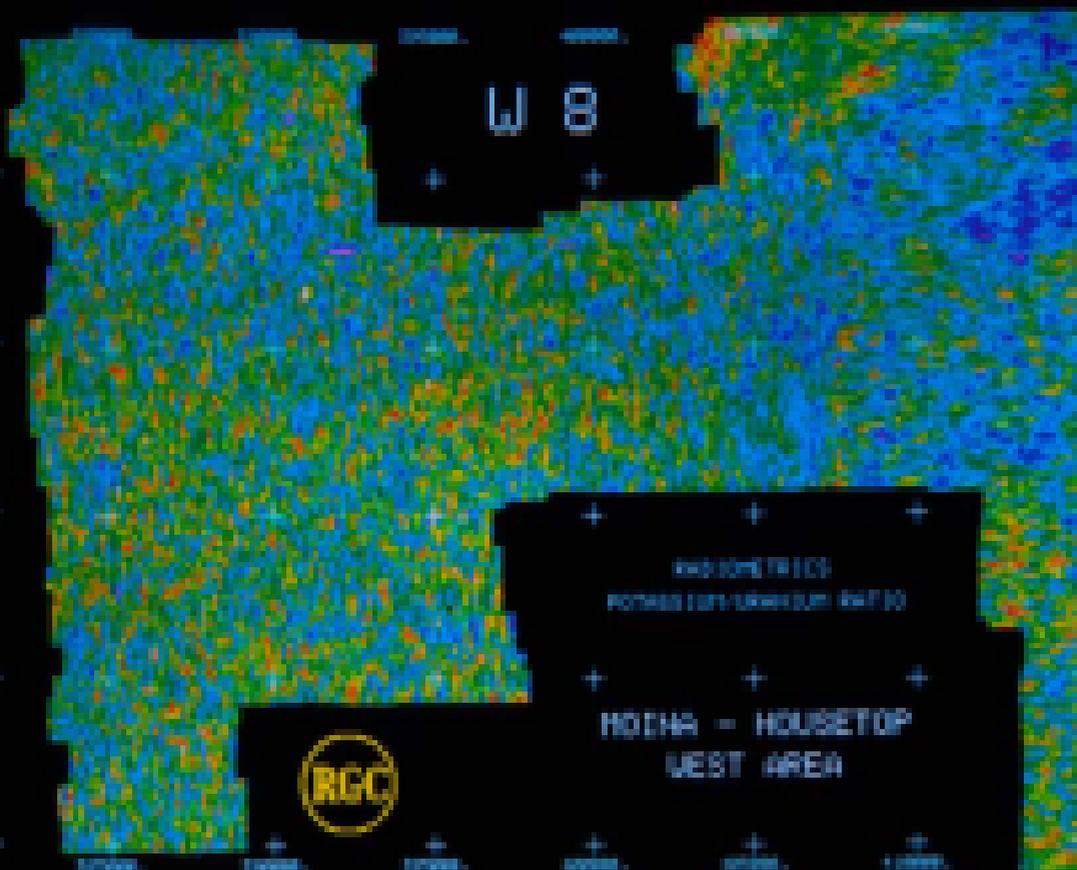


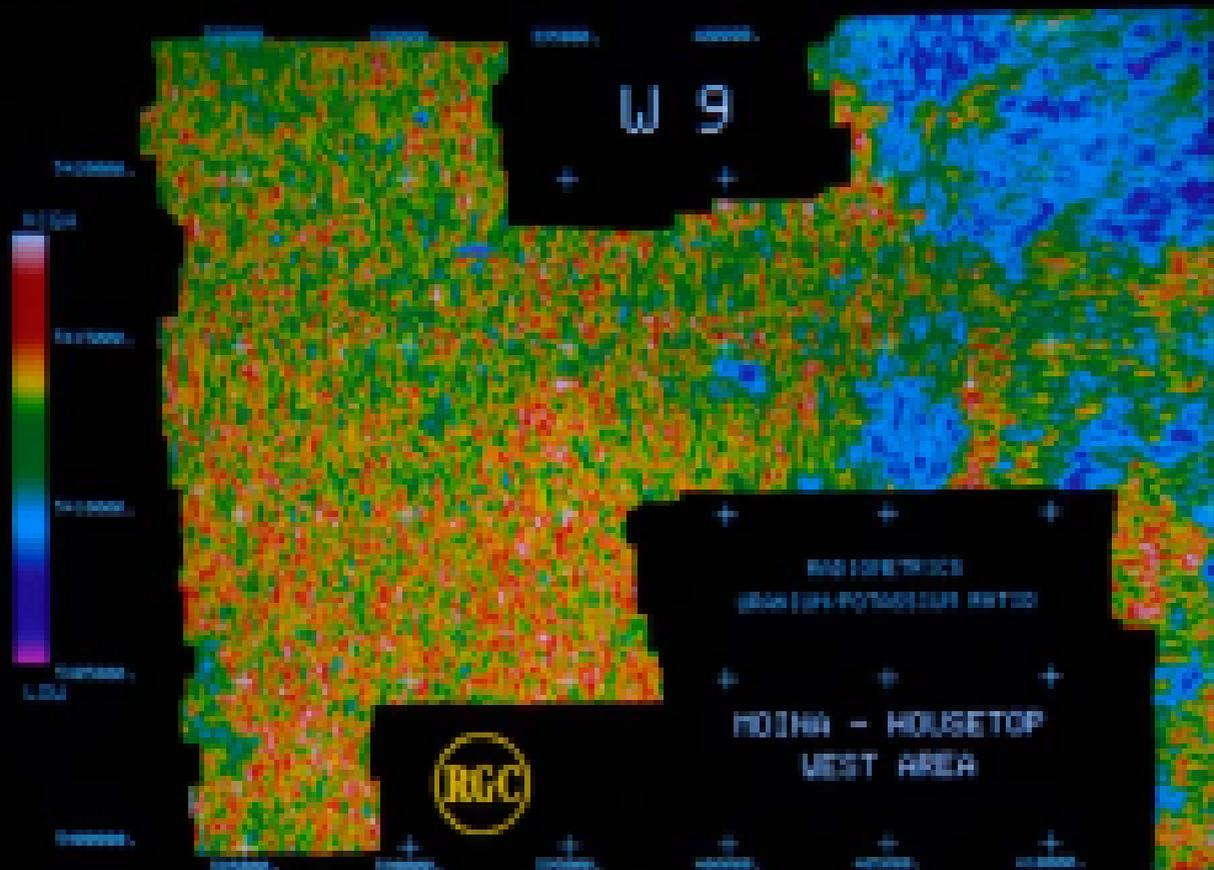
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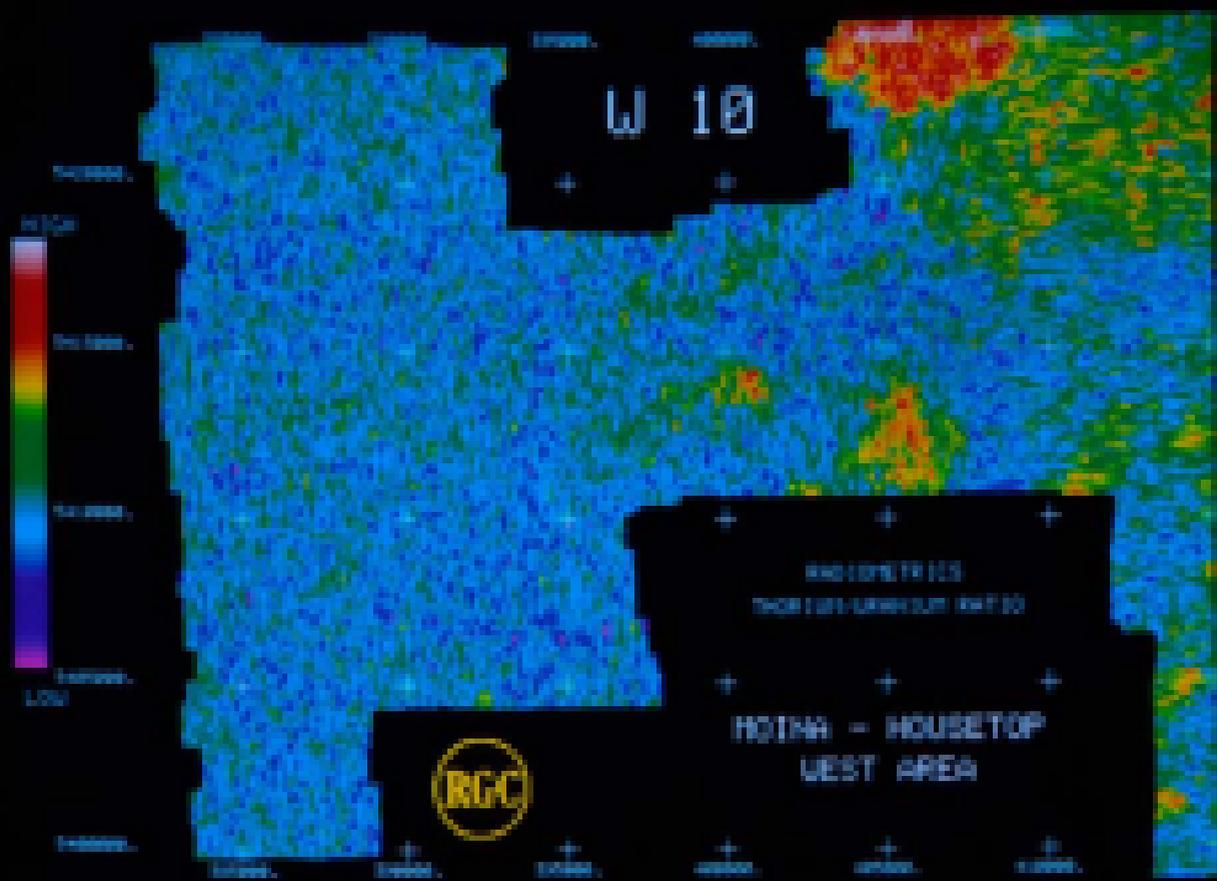


0 (0)

24 (24)







HOUMA - HOUSTON WEST AREA

HOUMA - HOUSTON WEST AREA

HOUMA - HOUSTON WEST AREA



40000

30000

20000

10000

LOW

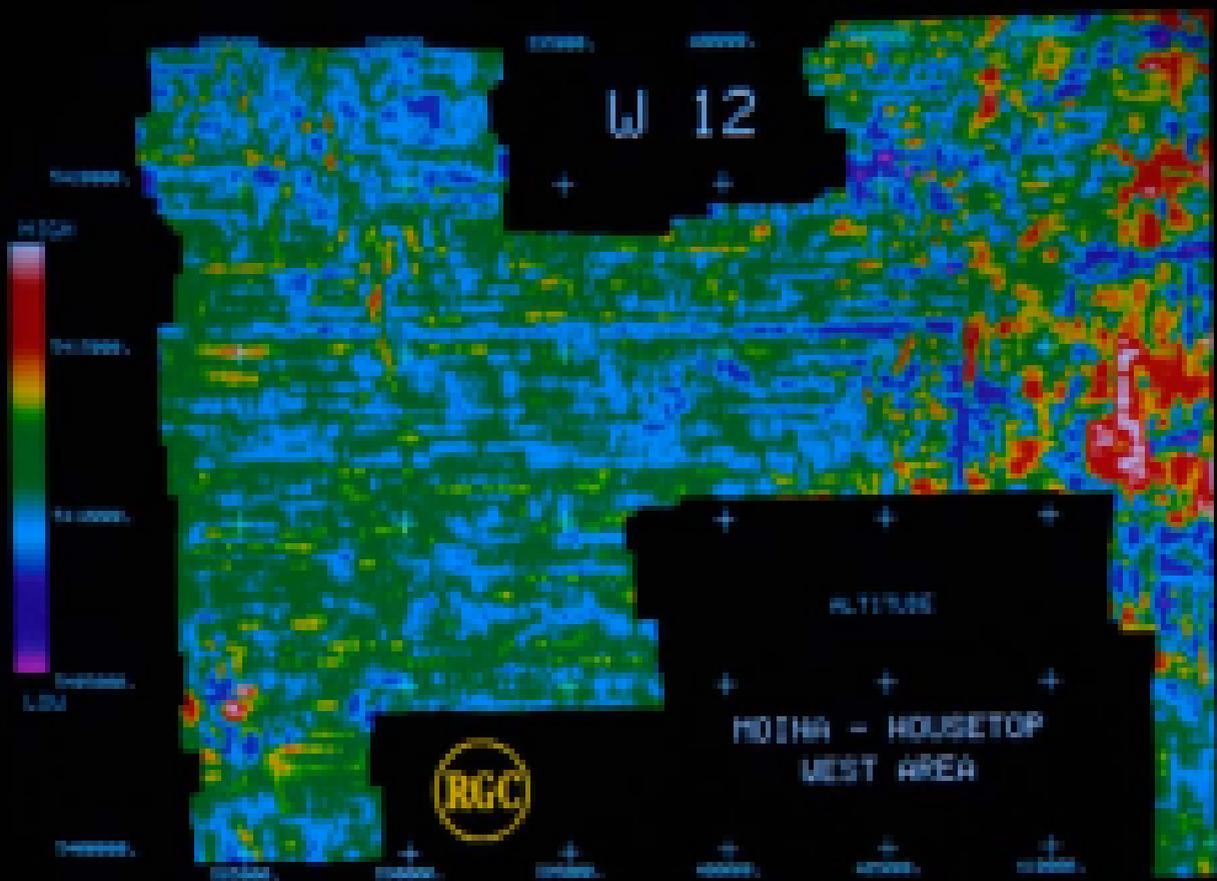
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W 11

REGISTRATION
LINES ONLY - NOT RATED

NOINA - HOUSING
WEST AREA







W 13

PROTICS

MOINA - HOUSETOP
WEST AREA





W 15

VERTICAL DERIVATIVE
MOINA - HOUSETOP
WEST AREA



W 16

+ +

+ + +

VERTICAL DERIVATIVE

+ + +

NOCHA - HOUSETOP
WEST AREA



00000 10000 20000 30000 40000 50000 60000

00000

10000

20000

30000

40000



W 17

140,000

120,000

100,000

80,000
LOW

60,000

VERTICAL DERIVATIVE WITH AUTO GEAR

MODNA - HOUSETOP
WEST AREA



W 18

HEIGHT



0
20,000
40,000
60,000
80,000
100,000

VERTICAL DERIVATIVE WITH AUTO SHIP

NOIHA = HOusetop
WEST AREA



100000 200000

W 20

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1000000

1000000

LOW

1000000

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1000000

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1000000

1000000



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HORIZONTAL DERIVATIVE WITH AUTO GATH
3RD BOX LOW PASS FILTER

+

+

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ROINA - HOUSOTOP
WEST AREA



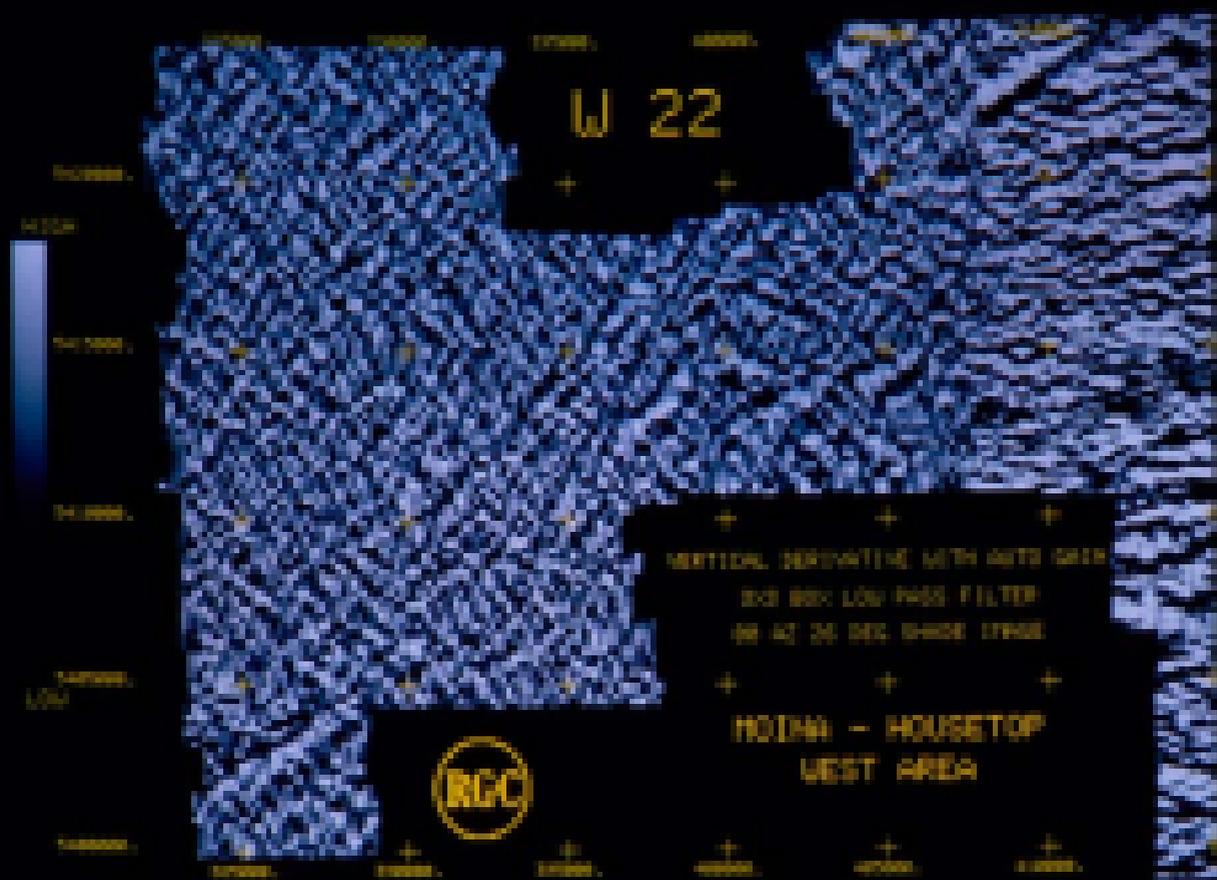
W 21

15,000
14,000
13,000
12,000
11,000
10,000
LOW

VERTICAL DERIVATIVE WITH AUTO GRN
BOX BOX LOW PASS FILTER
VERTICAL ILLUMINATION

MOINA - HOUSETOP
WEST AREA





W 22

VERTICAL DERIVATIVE WITH 40% GAIN
500 BOX LOW PASS FILTER
60 40 20 DEG SLOPE CROSS

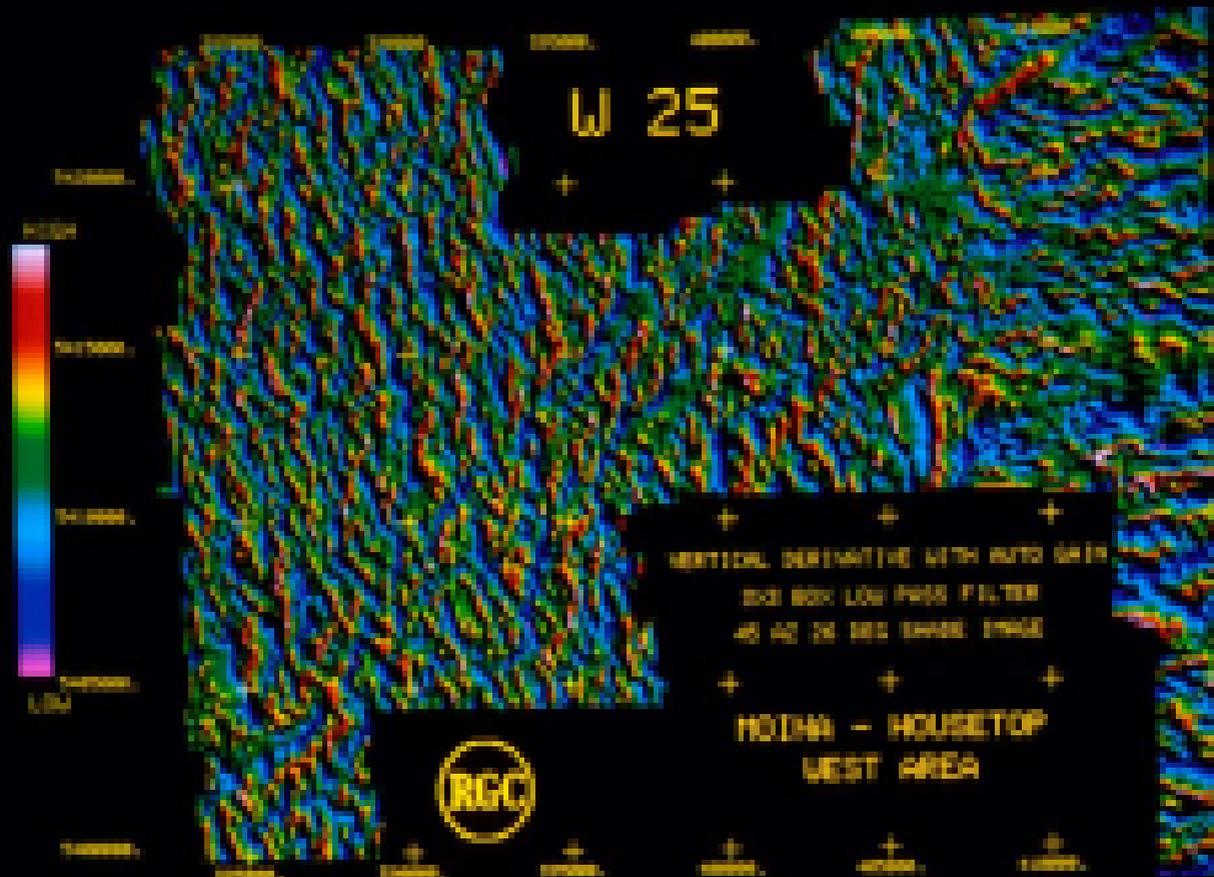
HOUMA - HOUSSTOP
WEST AREA



14,000
12,000
10,000
8,000
6,000
4,000
2,000
0













INDIA

W 28

Height

2000m

1500m

1000m

500m
LSD

0m

VERTICAL DERIVATIVE WITH AUTO SASH
2ND BOX LOW PASS FILTER
100 M 2D RES. SHADE IMAGE

INDIA - HOUSETOP
WEST AREA



W 29

10000



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10000

10000

10000

10000

10000

10000



VERTICAL DERIVATIVE WITH AUTO GAIN
500 BOX LOW PASS FILTER
100 AD IN 500 CROSS PRICE

INDINA - HOUSETOP
WEST AREA

W 30

10000

50000

100000

150000
LOW

200000



+ + +
VERTICAL DERIVATIVE WITH AUTO GAIN
2ND BIN LOW PASS FILTER
40 AC THREE GREEN - 120 AC THREE RED

+ + +
HOIMA - HOUSOTOP
WEST AREA

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000000



W 31

ROADS CONTINUATION
50 METRES BELOW
FLYING HEIGHT

MOIHA - HOUSETOP
WEST AREA



W 32



DELTA'S CONTINUATION
DE METROS DELIM
FLYING HEIGHT

MOINA - HOUSETOP
WEST AREA

070000

120000

170000

200000

250000

300000

W 33

+

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300000

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200000

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070000

120000

170000

200000

250000

300000



UPPER CONTINENTAL
100 METERS ABOVE
FLYING HEIGHT

NOINA - HOUSETOP
WEST AREA

170000

170000

170000

170000

170000

170000

W 35

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160000

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140000

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130000

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120000



UPPER CONTAMINATION
300 METRES ABOVE
FLYING HEIGHT

HOIHA - HOUSETOP
NEST AREA

W 36



UPPER CONTINUATION
300 METRES ABOVE
FLYING HEIGHT

MOINA - HOUSETOP
NEST AREA

100000

140000

180000

220000

260000

100000

140000

180000

220000

260000

300000

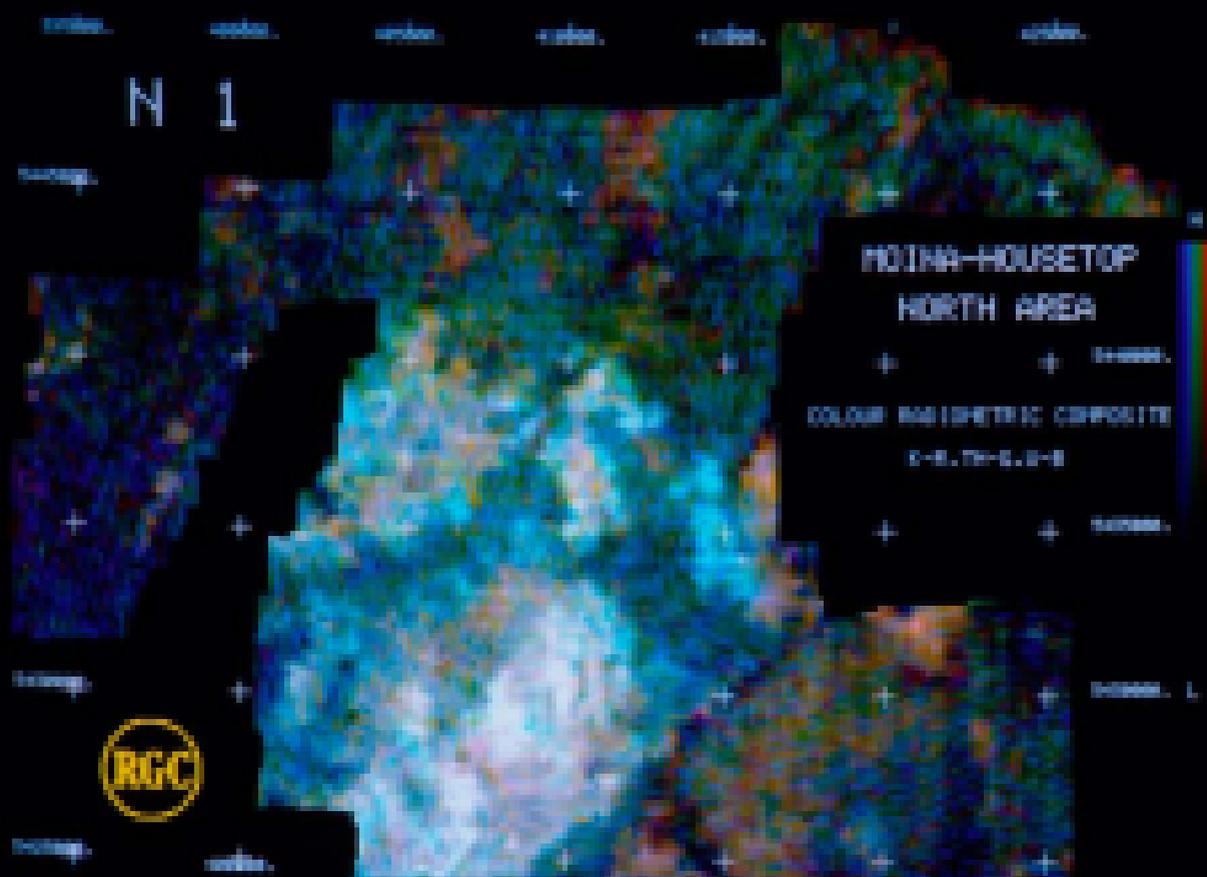
NORTHERN AREA - LIST OF SLIDES

Subsample Parameters 221 689 720 512 1 1

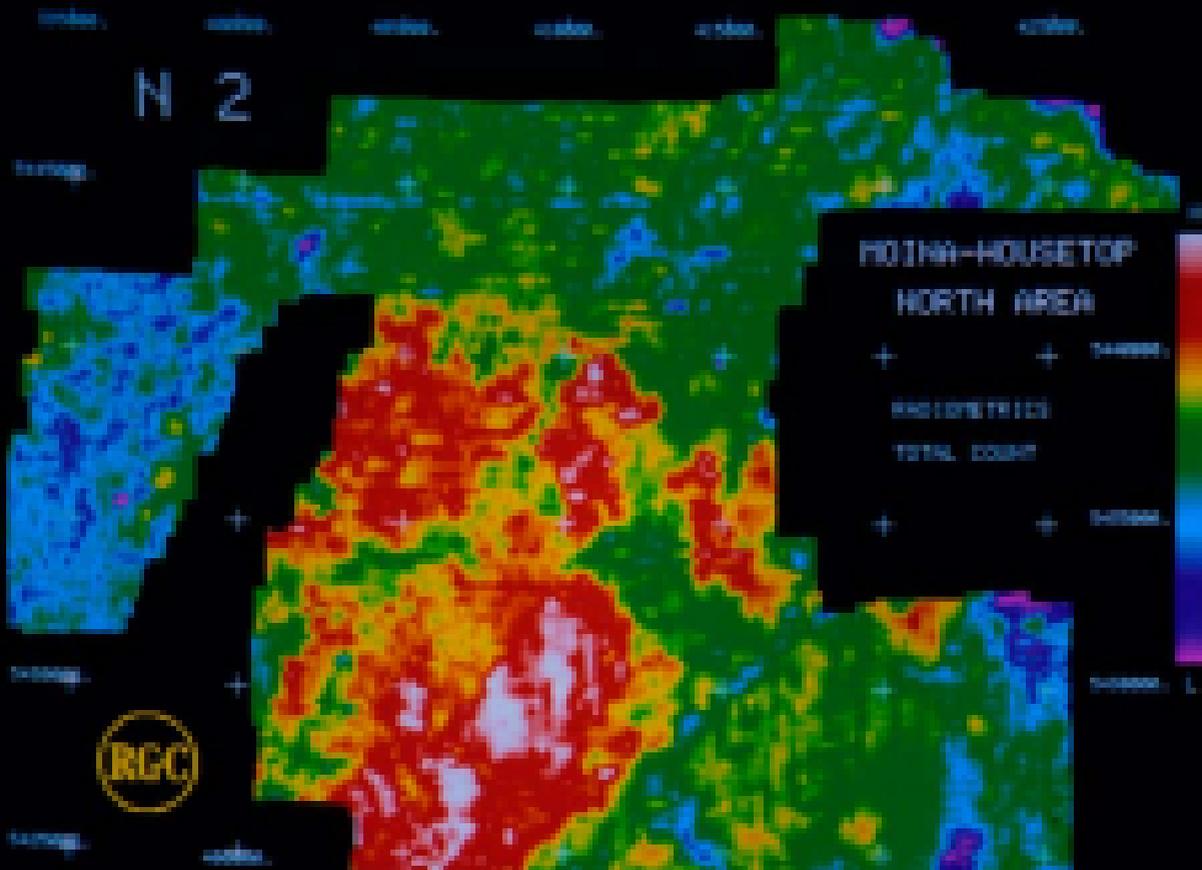
- 1 Corrected radiometrics colour composite
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- 4 Rainbow pseudocoloured Uranium
- 5 Rainbow pseudocoloured Thorium
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NORTHERN AREA - LIST OF SLIDES (ctd)

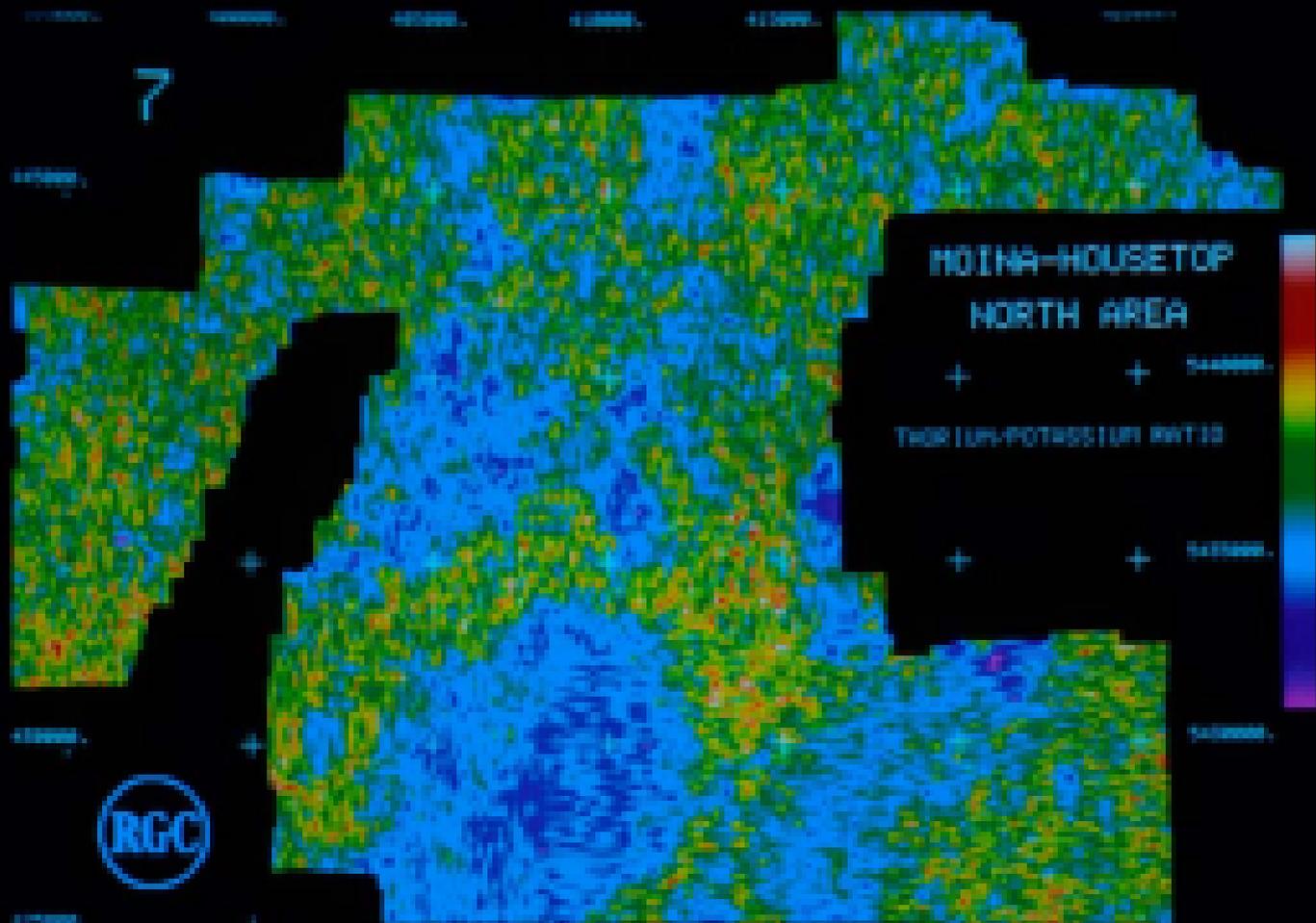
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- 34 Rainbow pseudocoloured 100 metre upward continuation on Magnetics
- 35 Greyscale 300 metre upward continuation on Magnetics
- 36 Rainbow pseudocoloured 300 metre upward continuation on Magnetics

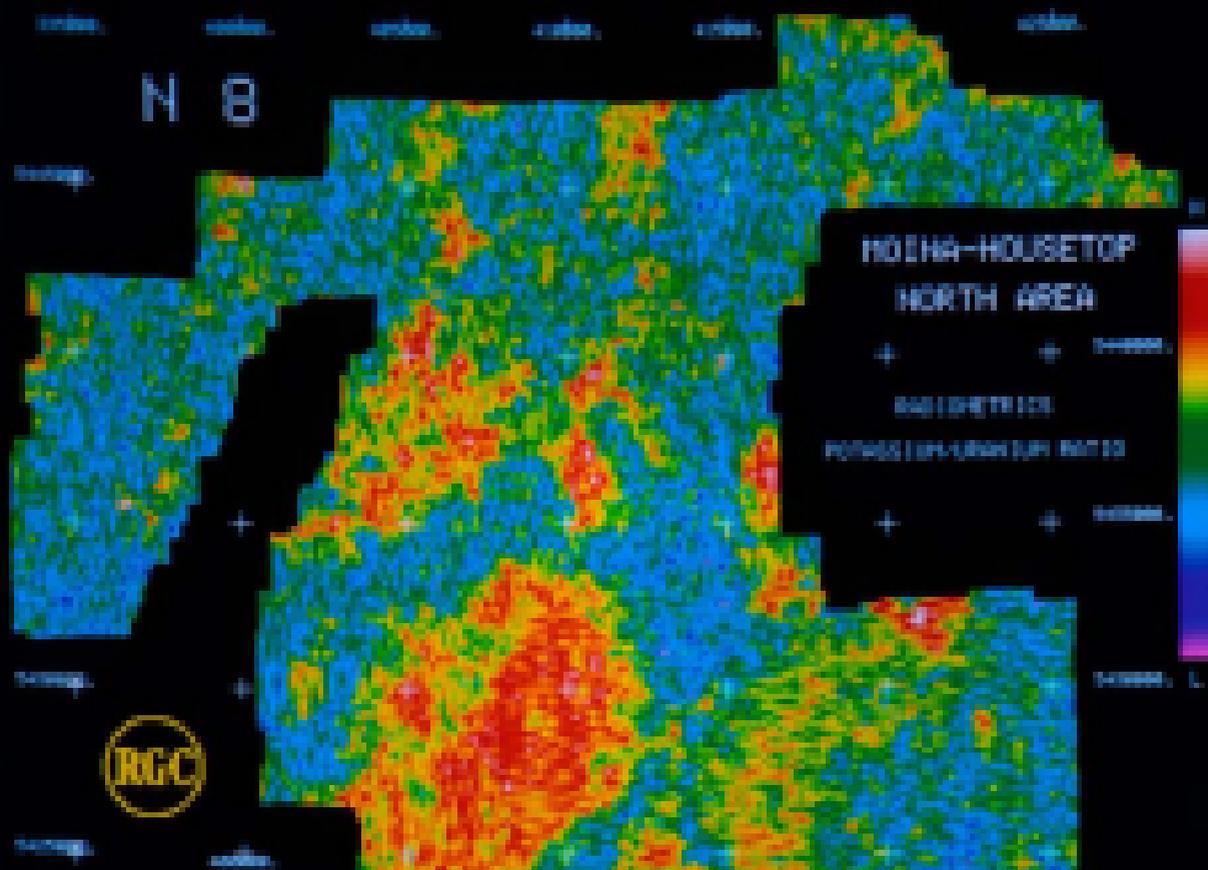


N 2



7





N 12

HOUMA-HOUSETOP
NORTH AREA

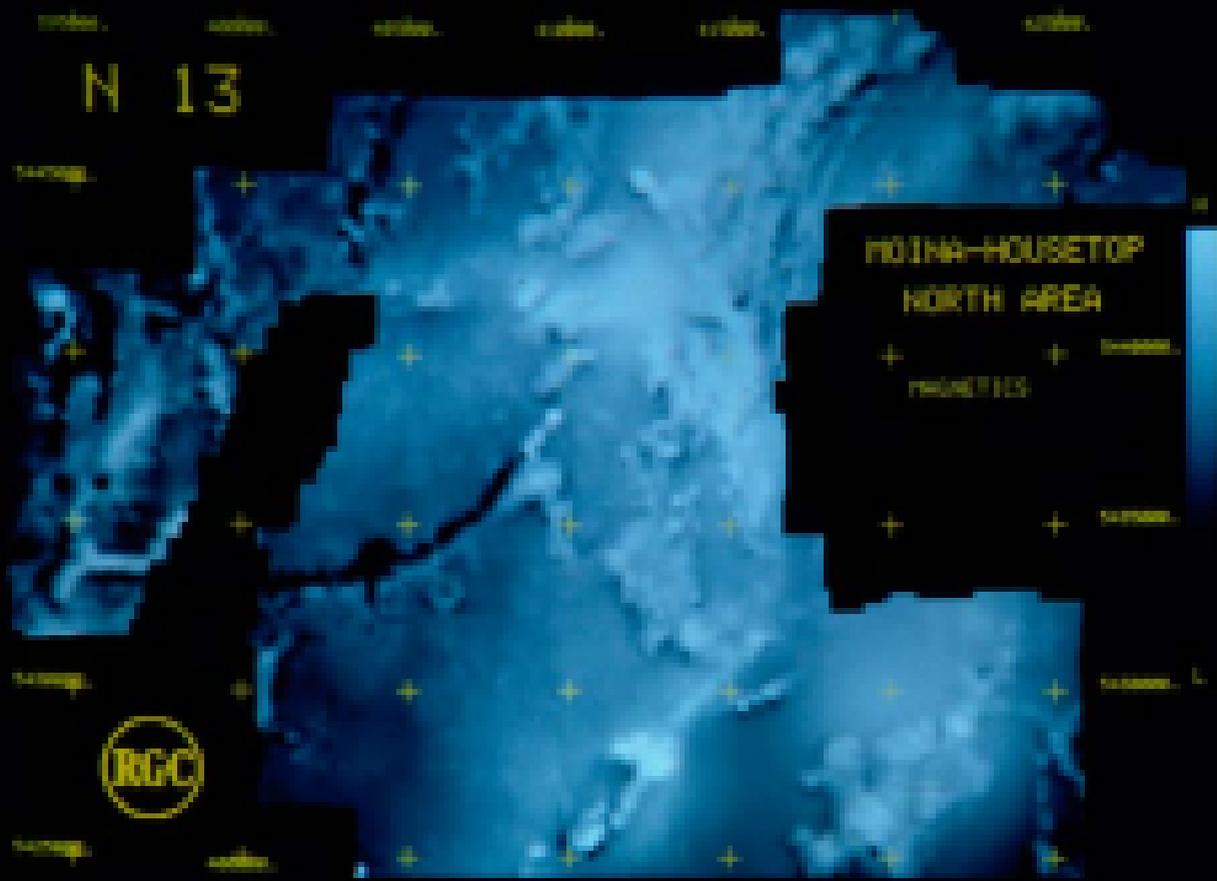
+ + 50000'

ALTITUDE

+ + 10000'

50000' L





N 13

MOANA-HOusetop
NORTH AREA

MOONSTICS



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1000

feet

2000

feet

3000

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4000

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5000

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6000

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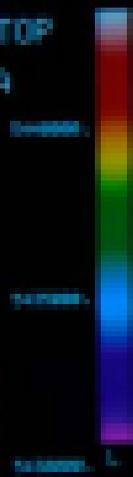
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HOINA-HOusetop
NORTH AREA

+ + 00000
VERTICAL DERIV

+ + 00000



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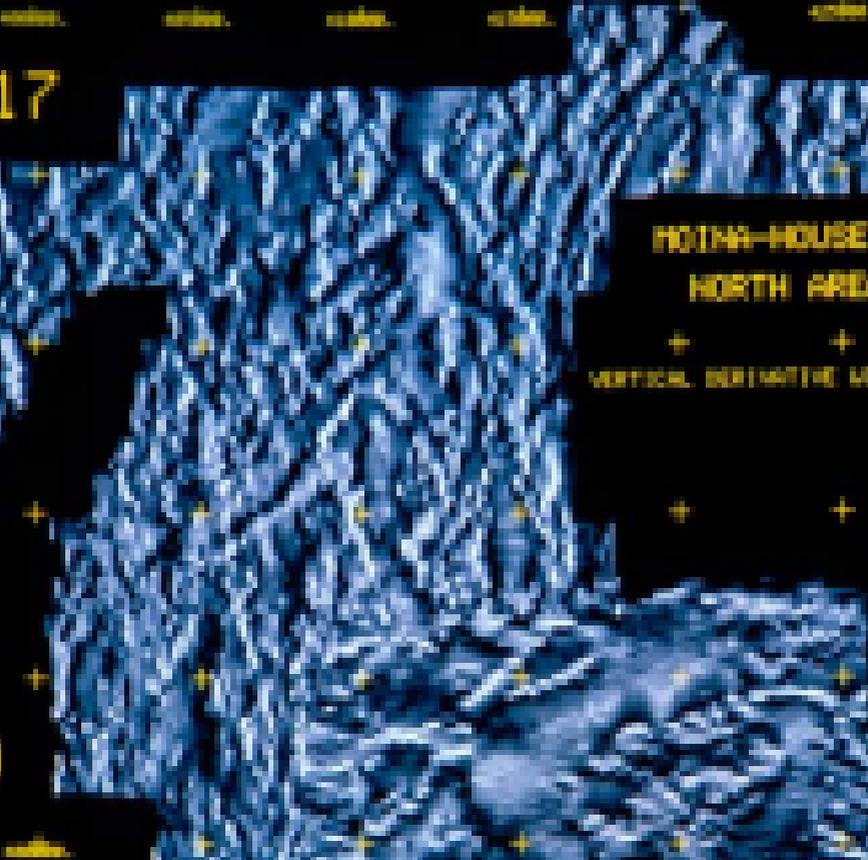
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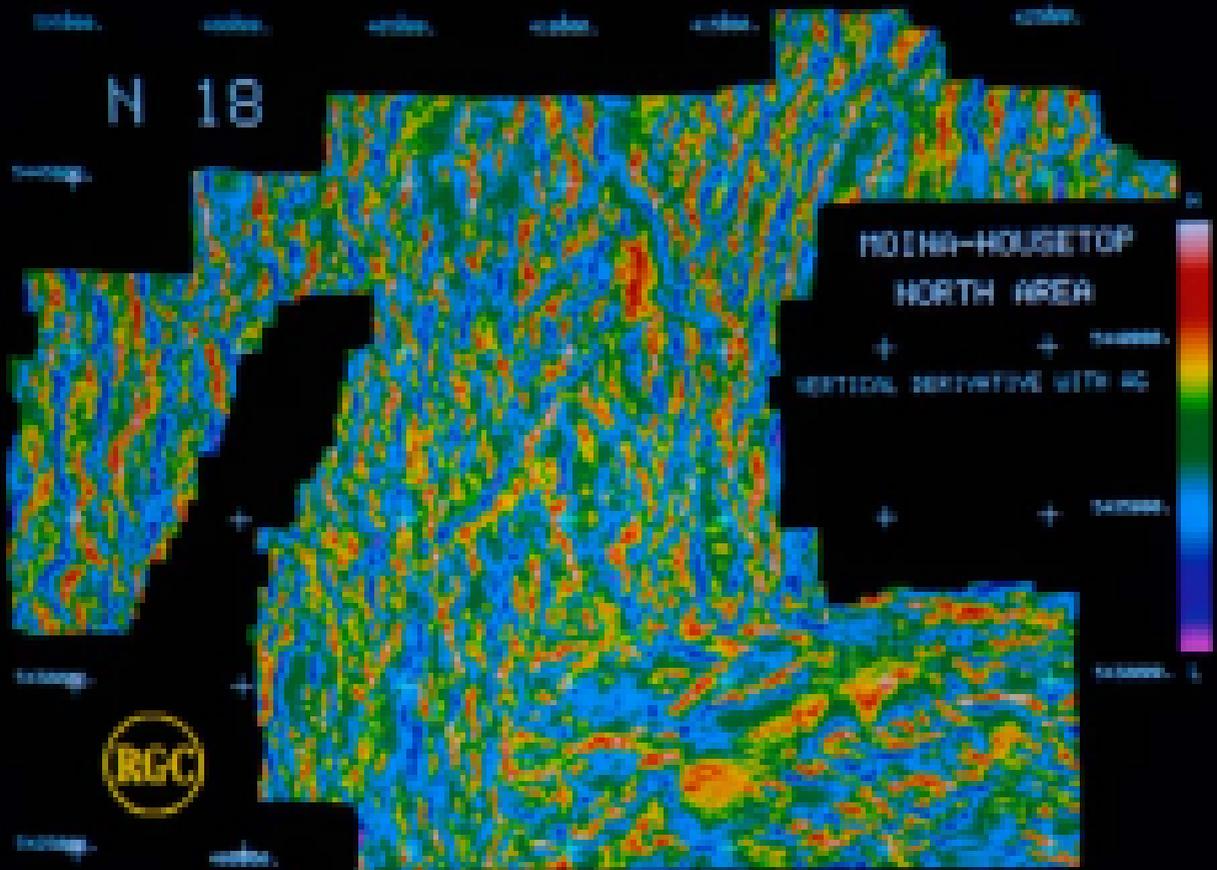


NOINA-HOUSEDOP
 NORTH AREA

+ + 10000
 VERTICAL DERIVATIVE WITH AC

+ + 10000

10000



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N 19

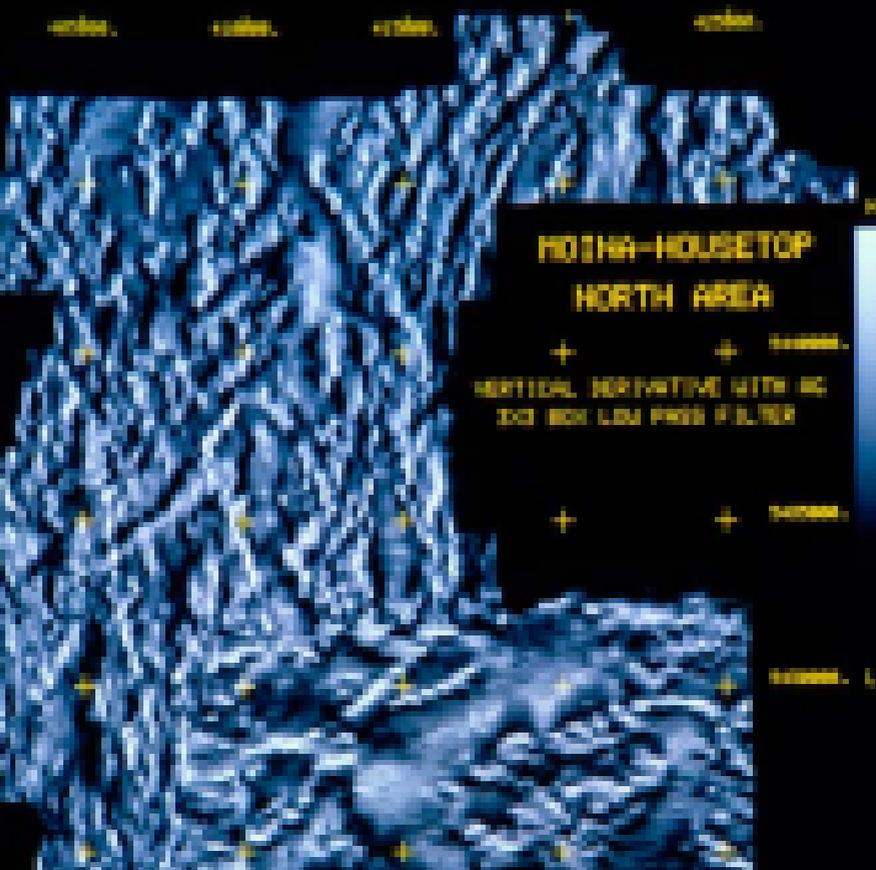
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MOINA-HOUSETOP
NORTH AREA

+ + 00000.
VERTICAL DERIVATIVE WITH AC
DC BOX LOW PASS FILTER

+ + 00000.

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N 21

100000

100000

100000



100000

100000

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100000

100000

MOINA-HOUSTOP
NORTH AREA

+ + 100000
VERTICAL, DERIVATIVE WITH AC
300 500M LOW PASS FILTER
VERTICAL, ILLUMINATION

+ + 100000

100000



N 22

HOINA-HOUSEDOP
NORTH AREA

+ + 100000
VERTICAL DERIVATIVE WITH AC
300 BOX LOW PASS FILTER
80 AC 20 DEG SHADE IMAGE
+ + 100000

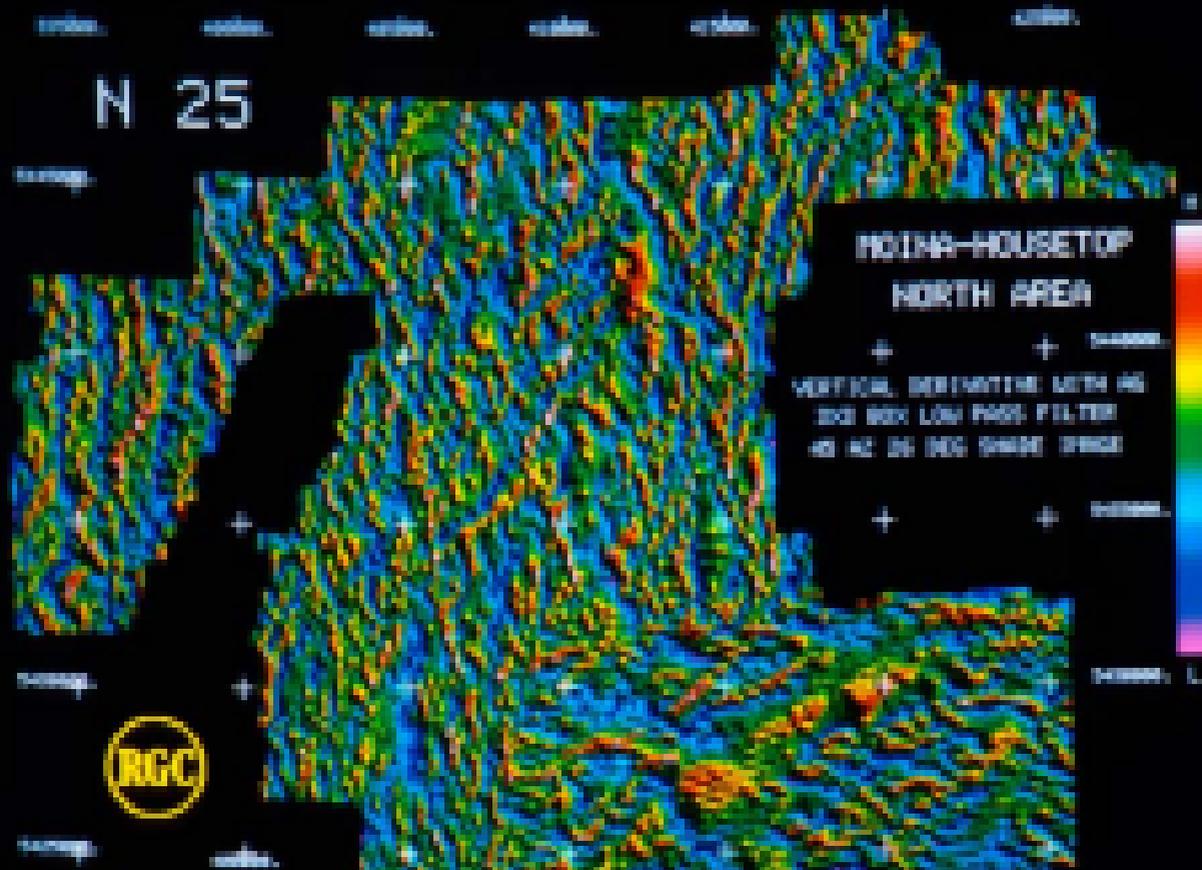


N 24

NOEMA-HOUSETOP
NORTH AREA

+ + 100000
VERTICAL DERIVATIVE WITH 4C
3X3 BOX LOW PASS FILTER
45 AC 20 DEC SWATH 27AGE
+ + 100000





N 25

NO. 104-HOUSETOP
NORTH AREA

+ + 00000
VERTICAL, DERIVED FROM 40
DEG BOX LOW PASS FILTER
40 AC 26 DEG SHADE SPACE
+ + 50000
100000, L.



N 26

MOINA-HOUSETOP
NORTH AREA

+ + 10000
VERTICAL DERIVATIVE WITH 40
SEC BOX LOW PASS FILTER
30 AC 20 SEC SHADE TRACE

+ + 10000



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N 27

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NO. 104-HOUSETOP
NORTH AREA

+ + 00000
VERTICAL DERIVATIVE WITH 40
DBX BOX LOW PASS FILTER
90 AC 20 DEG SHADE SPACE

+ + 00000

00000 L



N 28

HOIHA-HOUSTOP
NORTH AREA

+ + 10000
VERTICAL DERIVATIVE WITH 40
240 DEG LOW PASS FILTER
120 40 24 360 SHADE 1992
+ + 10000



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N 29

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HOINA-HOusetop NORTH AREA

+ + 00000
VERTICAL, NORTHVIEW WITH 40
DBI BOX LOW PASS FILTER
125 AC 26 DBI SHARP IMAGE

+ + 00000

00000



10000

20000

30000

40000

50000

60000

N 30

10000

10000

10000

20000

30000

40000

50000

60000

100000



NOINA-HOUSETOP
NORTH AREA

+ + 100000
VERTICAL DERIVATIVE WITH AC
BOX LOW PASS FILTER
45 AC SHADE IMAGE IN GREEN
135 AC SHADE IMAGE IN RED

+ + 100000



N 31

MOJHA-HOUSTOP
NORTH AREA

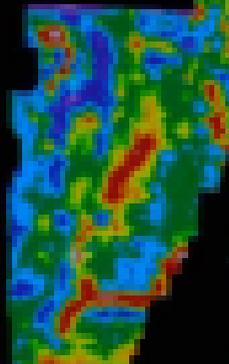
+ + 10000
DOSE CONTRIBUTION
IN METRES BELOW
FLYING HEIGHT

+ + 20000



N 32

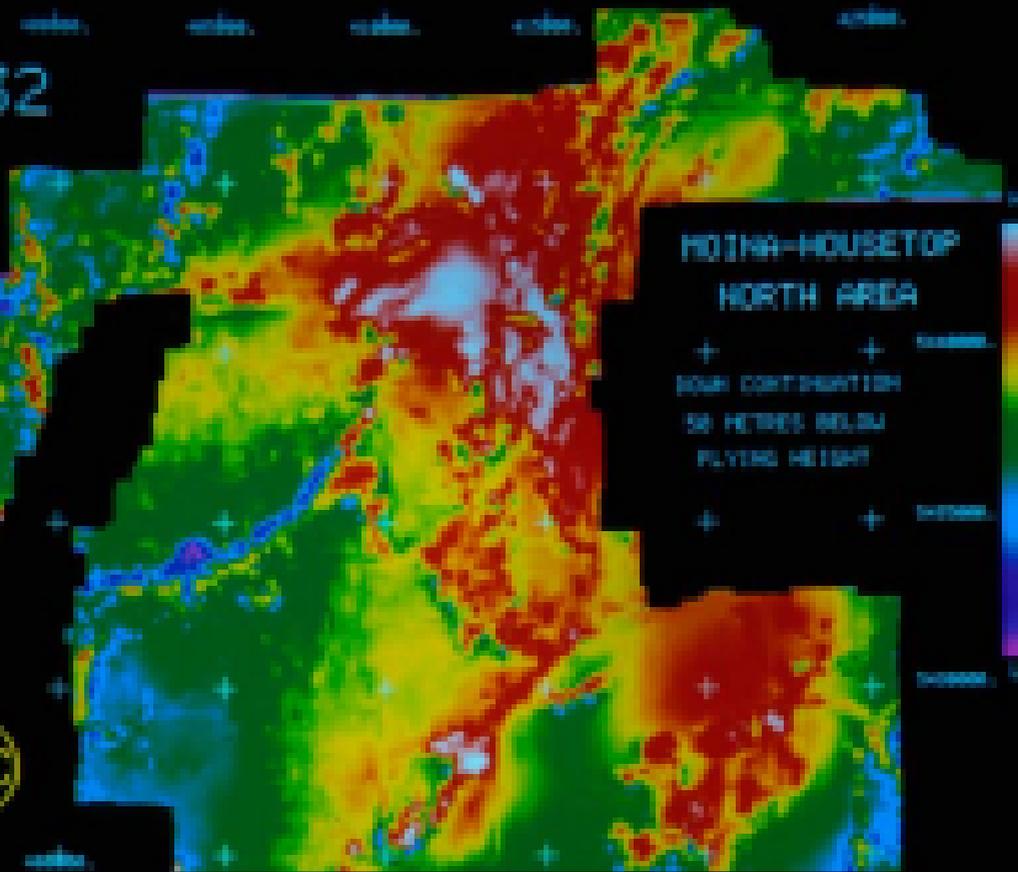
1000m



1000m



1000m



HOJINA-HOUSEDOP
NORTH AREA

+ + 1000m
SOUTH COORDINATION
50 METRES BELOW
FLYING HEIGHT

+ + 1000m

1000m

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N 33

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MOINA-HOusetop
NORTH AREA

+

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SPARS CONTINUATION

100 METRES ABOVE

FLYING HEIGHT

+

+

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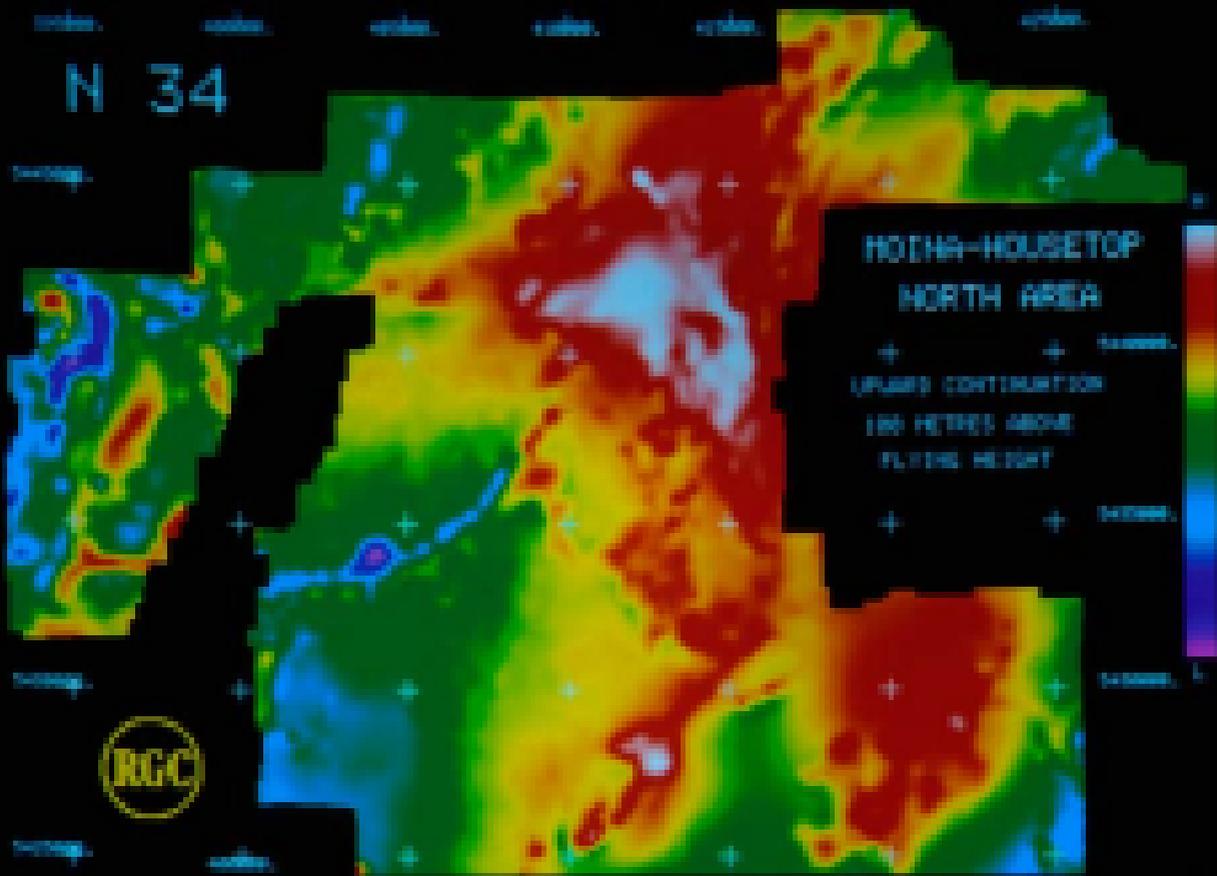
+

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N 34



**NODHA-HOUSETOP
NORTH AREA**

UPPER CONTRIBUTION
100 METRES ABOVE
FLYING HEIGHT



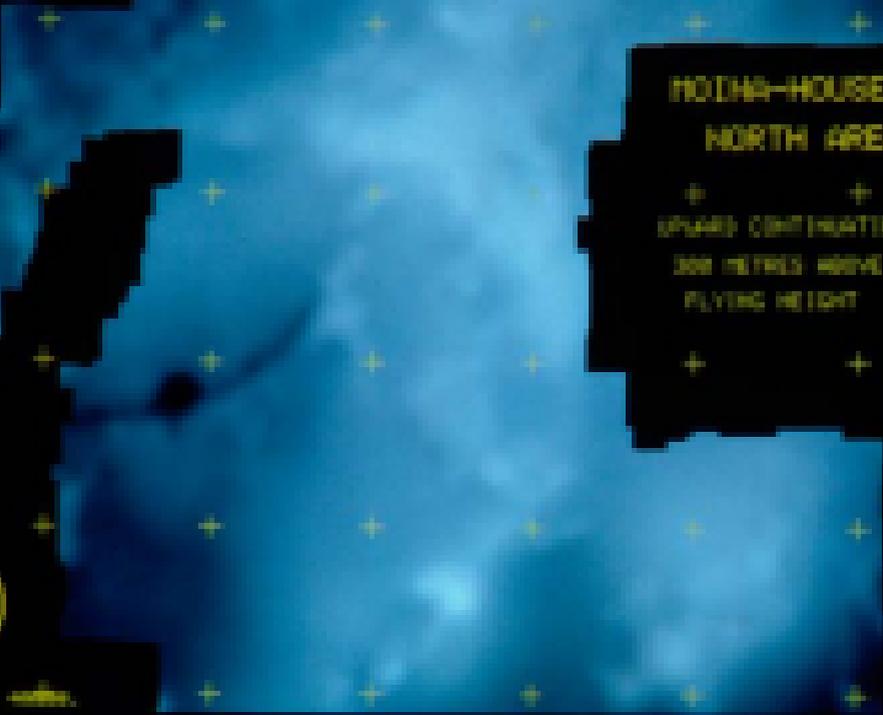
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N 35

10000.

10000.

10000.



**NOINA-HOUSTOP
NORTH AREA**

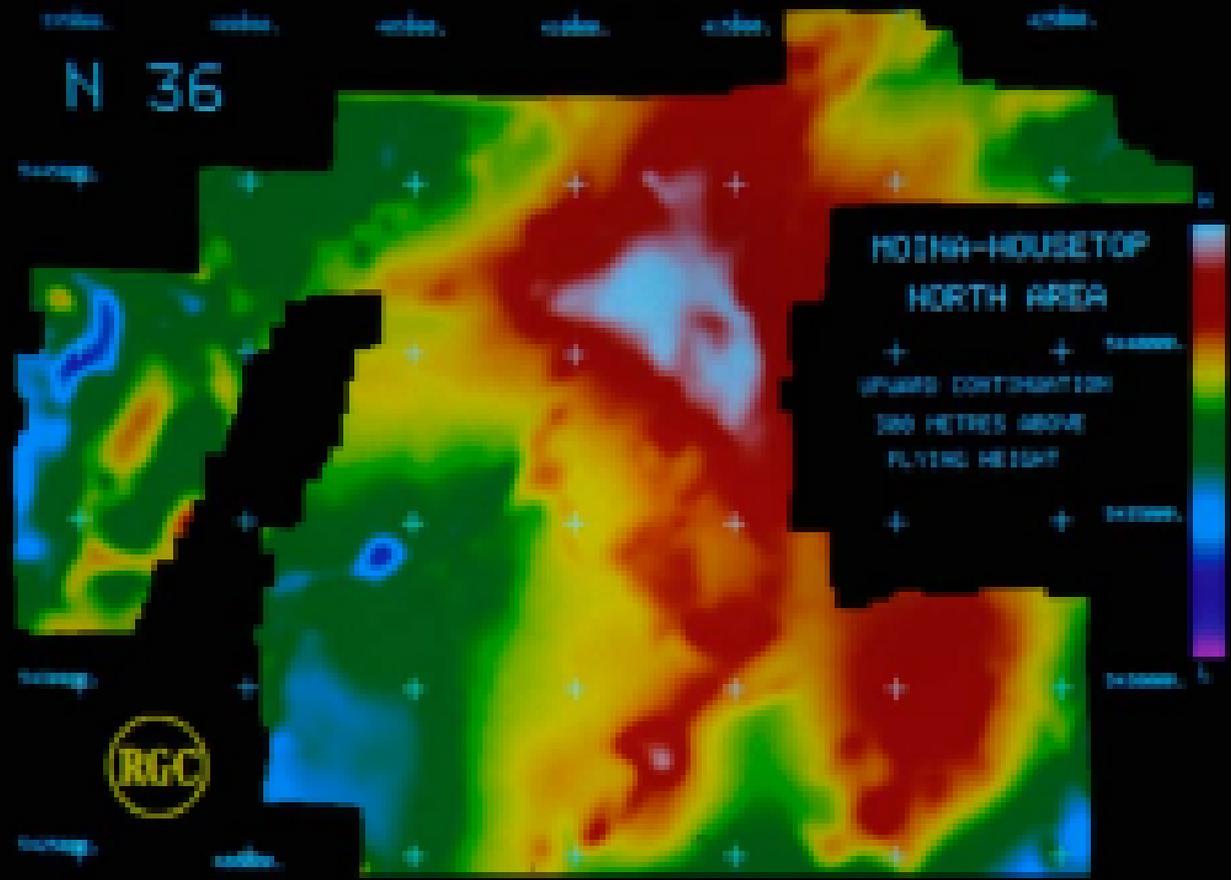
UPWARD CONTINUATION
300 METRES ABOVE
FLYING HEIGHT



10000.

10000. L

N 36



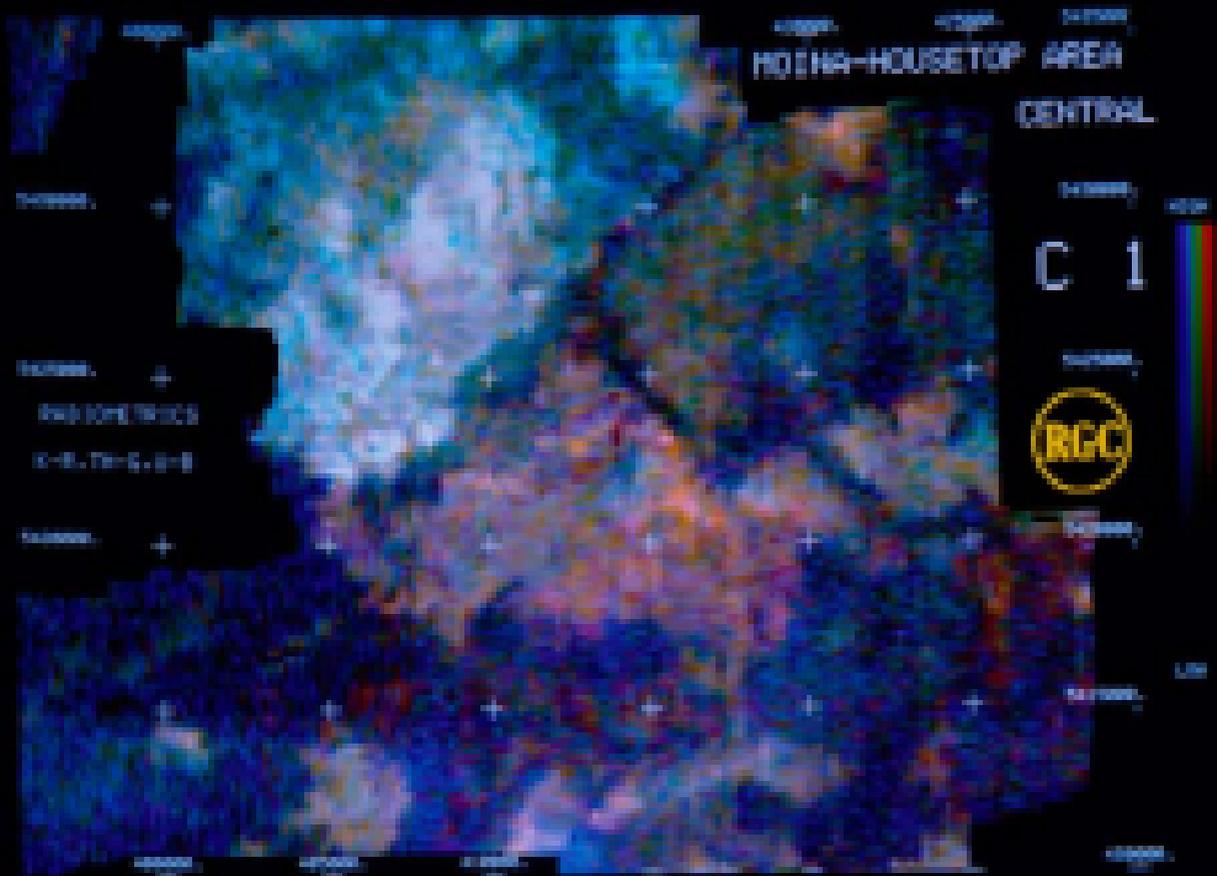
CENTRAL AREA - LIST OF SLIDES

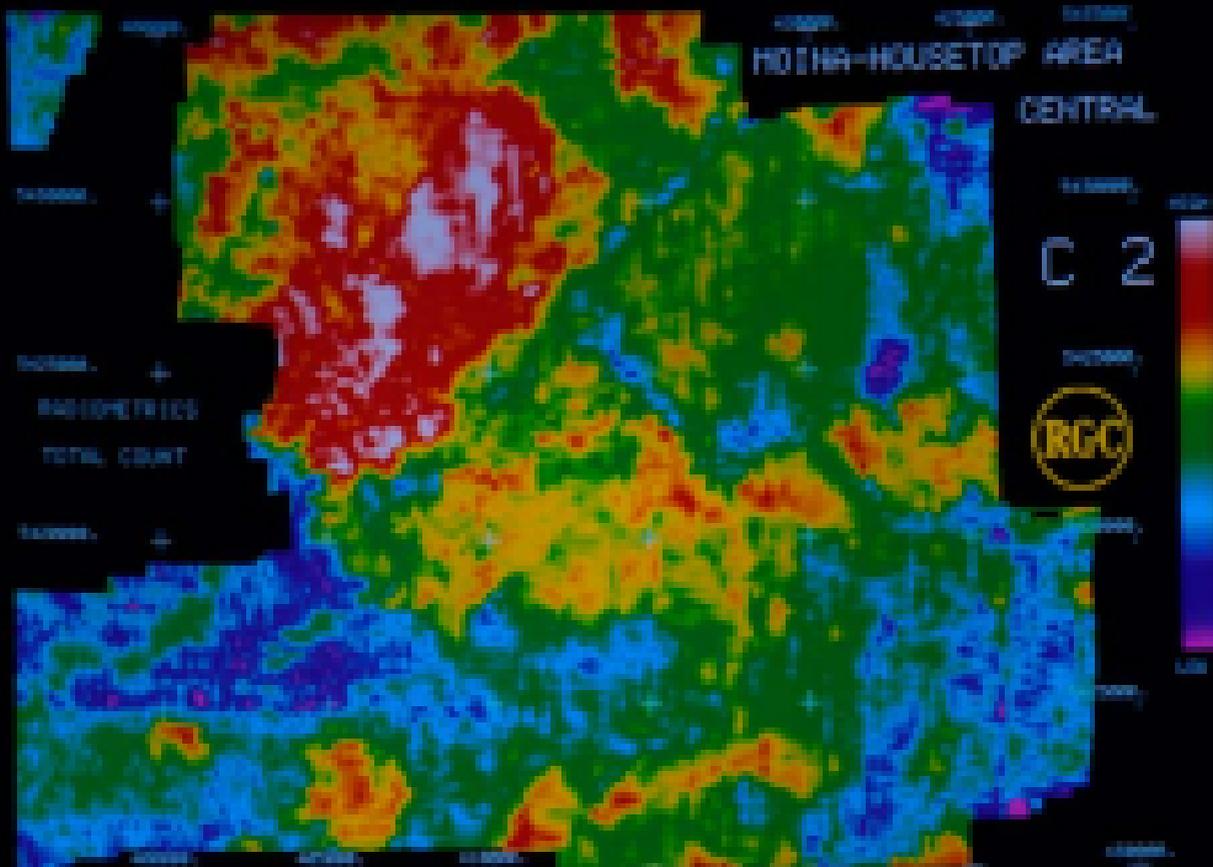
Subsample Parameters 271 401 700 512 1 1

- 1 Corrected radiometrics colour composite
Uranium in blue, Thorium in green and Potassium in red
- 2 Rainbow pseudocoloured Total Count
- 3 Rainbow pseudocoloured Potassium
- 4 Rainbow pseudocoloured Uranium
- 5 Rainbow pseudocoloured Thorium
- 6 Rainbow pseudocoloured Potassium/Thorium Ratio
- 7 Rainbow pseudocoloured Thorium/Potassium Ratio
- 8 Rainbow pseudocoloured Potassium/Uranium Ratio
- 9 Rainbow pseudocoloured Uranium/Potassium Ratio
- 10 Rainbow pseudocoloured Thorium/Uranium Ratio
- 11 Rainbow pseudocoloured Uranium/Thorium Ratio
- 12 Rainbow pseudocoloured Altitude
- 13 Greyscale Magnetics
- 14 Rainbow pseudocoloured Magnetics
- 15 Greyscale Vertical Derivative
- 16 Rainbow pseudocoloured Vertical Derivative
- 17 Greyscale Vertical Derivative (VD) with Automatic Gain Control (AGC)
- 18 Rainbow pseudocoloured VD with AGC
- 19 Greyscale VD with AGC and 3x3 Low Pass Filter (LPF)
- 20 Rainbow pseudocoloured VD with AGC and 3x3 LPF
- 21 Rainbow pseudocoloured VD with AGC and 3x3 LPF with vertical illumination
- 22 Greyscale VD with AGC and 3x3 LPF with 0 degree azimuth, 26 degree altitude illumination
- 23 As above with rainbow pseudocolour
- 24 Greyscale VD with AGC and 3x3 LPF with 45 degree azimuth, 26 degree altitude illumination

CENTRAL AREA - LIST OF SLIDES (ctd)

- 25 As above with rainbow pseudocolour
- 26 Greyscale VD with AGC and 3x3 LPF with 90 degree azimuth, 26 degree altitude illumination
- 27 As above with rainbow pseudocolour
- 28 Greyscale VD with AGC and 3x3 LPF with 135 degree azimuth, 26 degree altitude illumination
- 29 As above with rainbow pseudocolour
- 30 Red-green colour composite of VD with AGC and 3x3 LPF 45 degree azimuth shade in green, 135 degree azimuth shade in red
- 31 Greyscale 50 metre downward continuation on Magnetics
- 32 Rainbow pseudocoloured 50 metre downward continuation on Magnetics
- 33 Greyscale 100 metre upward continuation on Magnetics
- 34 Rainbow pseudocoloured 100 metre upward continuation on Magnetics
- 35 Greyscale 300 metre upward continuation on Magnetics
- 36 Rainbow pseudocoloured 300 metre upward continuation on Magnetics





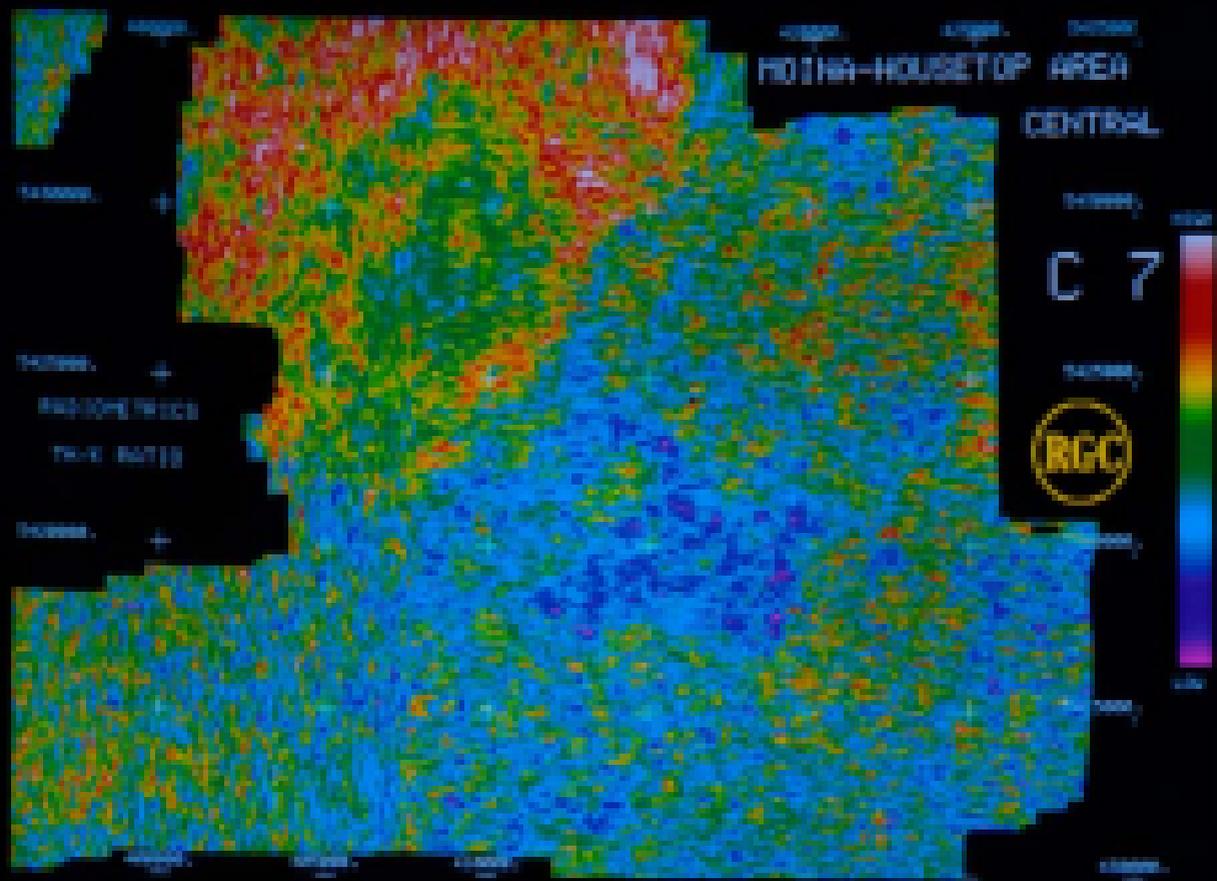
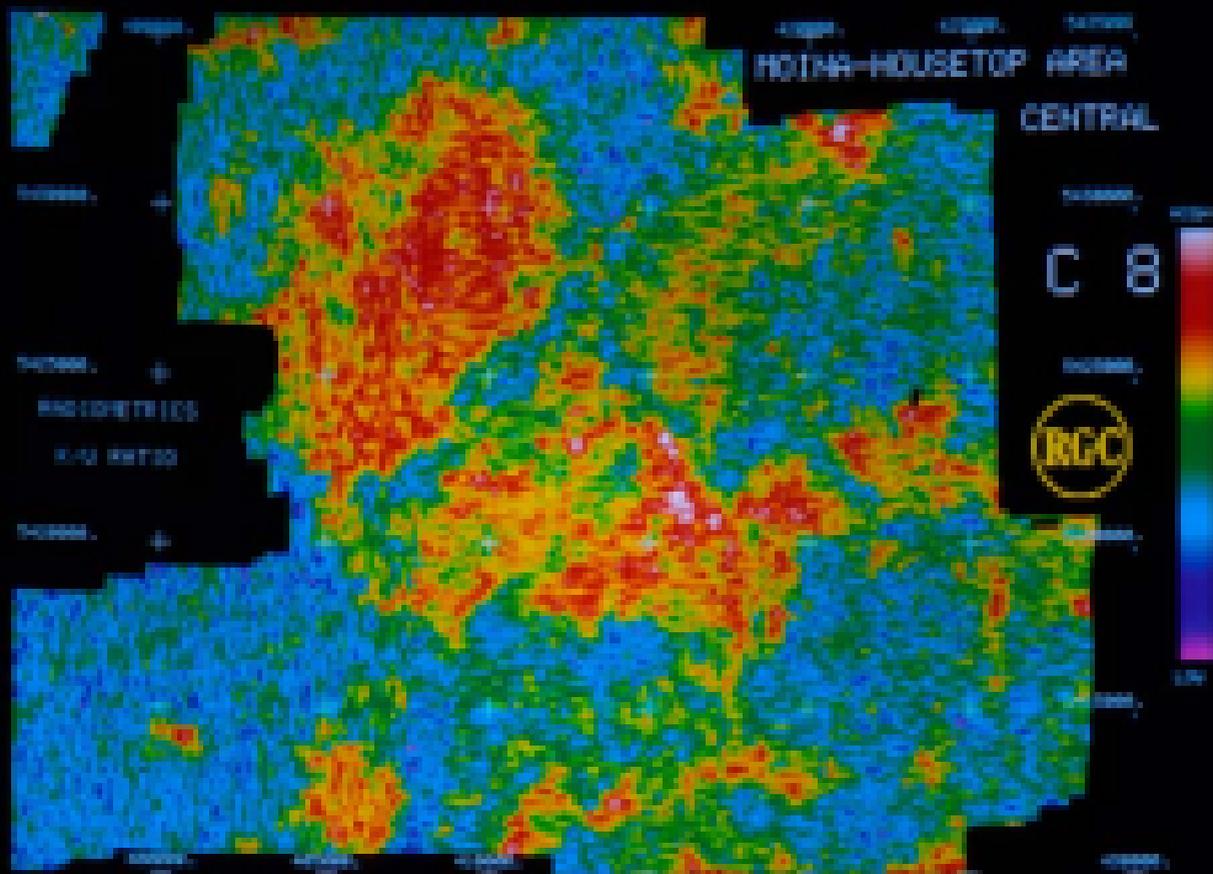
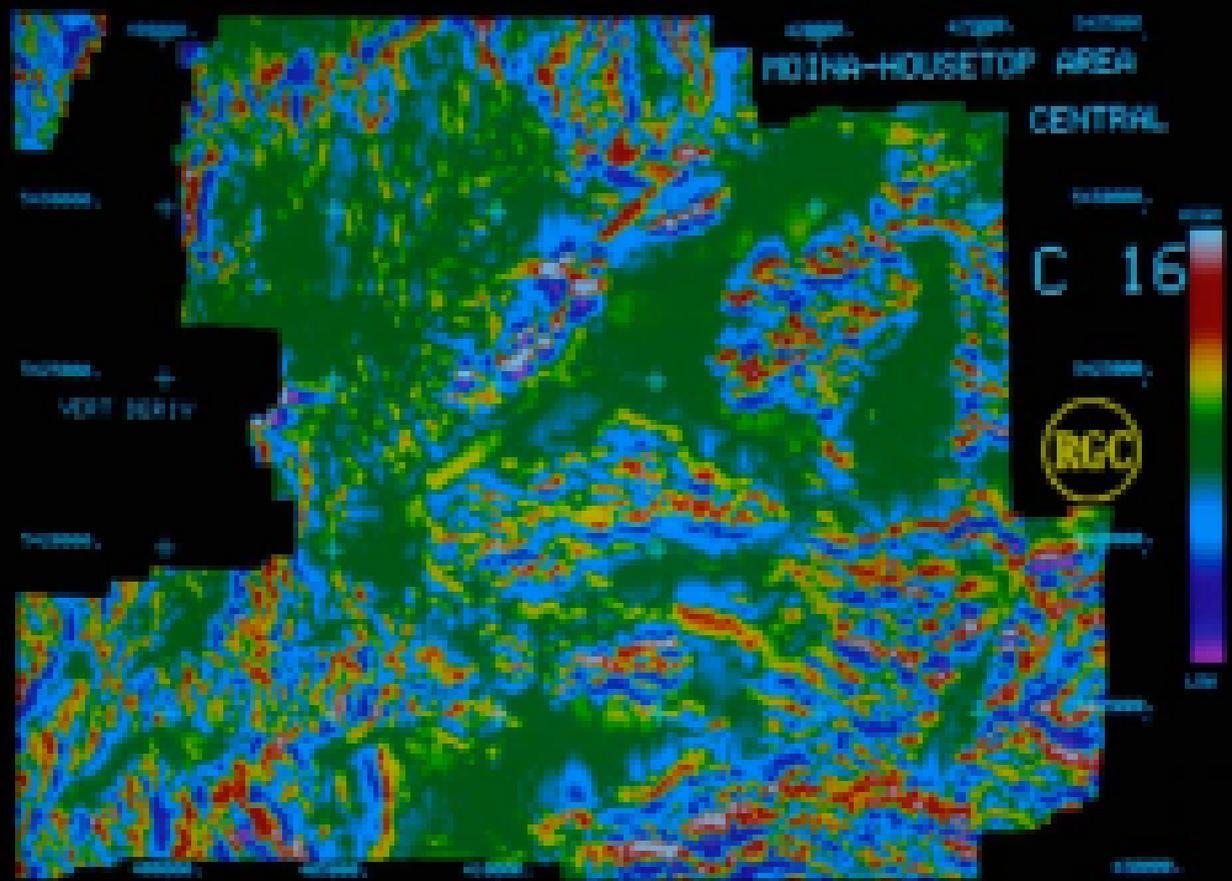
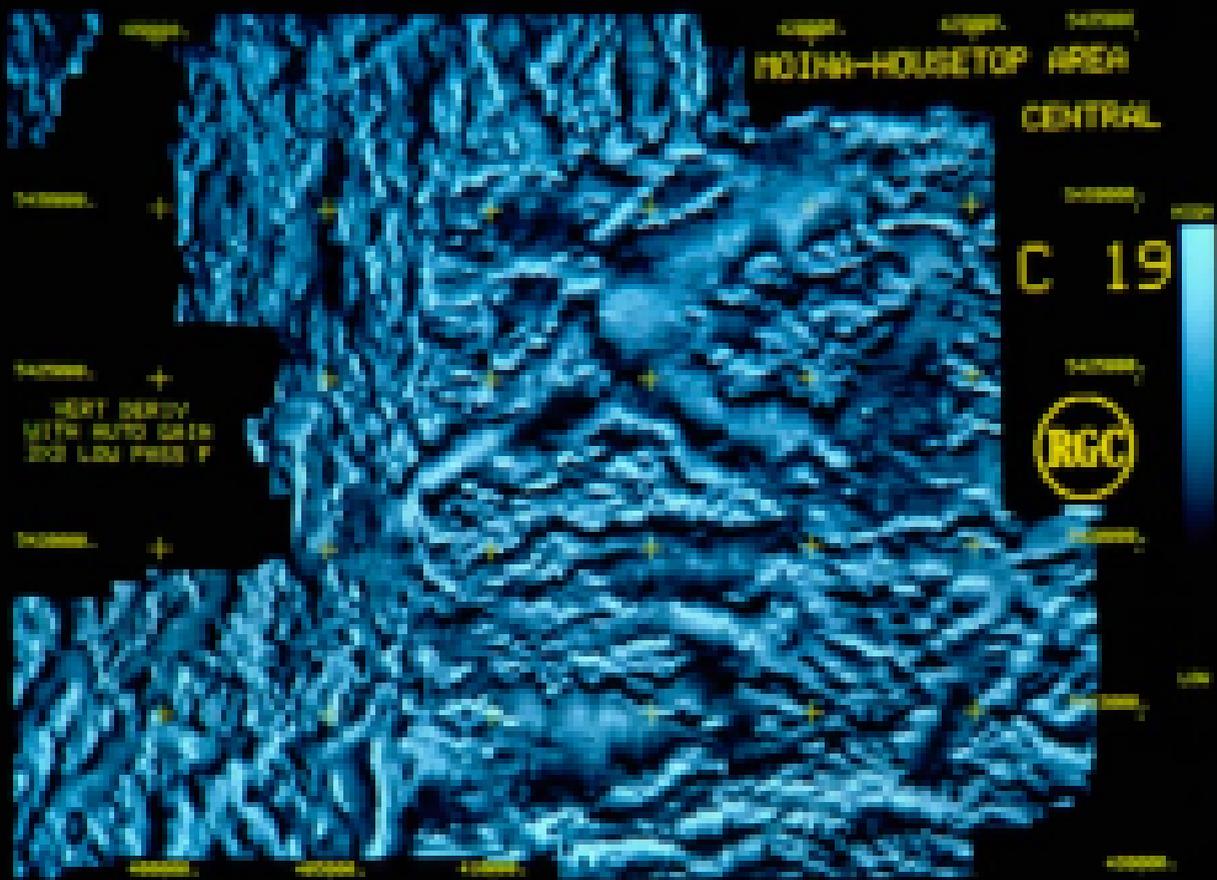


Figure 1: Population density map of the Roitha-House of Central area. The map shows population density across the area, with a legend indicating density levels from 0 to 1000. The map is color-coded from purple (low density) to red (high density). The legend also includes the text 'RGC'.







MOINA-HOUSETOP AREA
CENTRAL

C 19

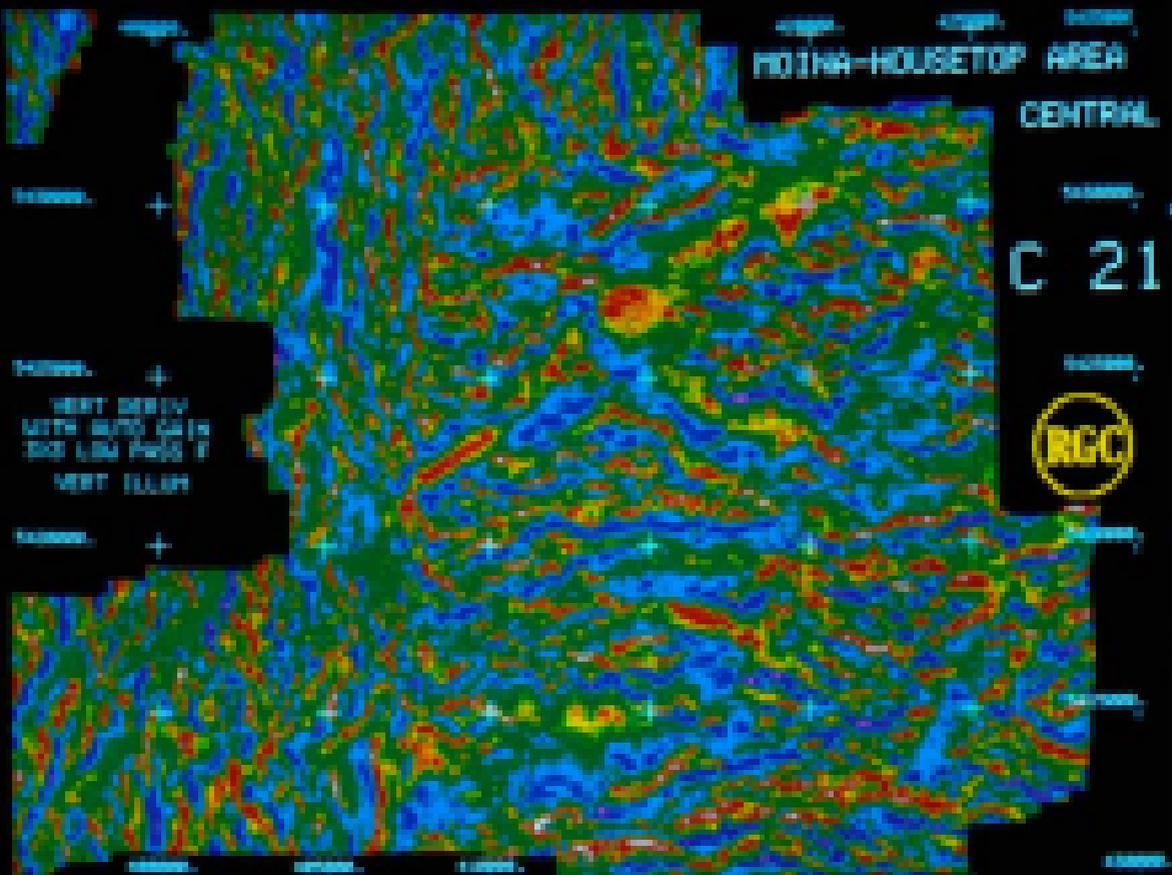
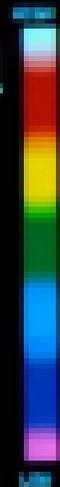


VERT DERIV
WITH AUTO GAIN
200 LOW PASS F

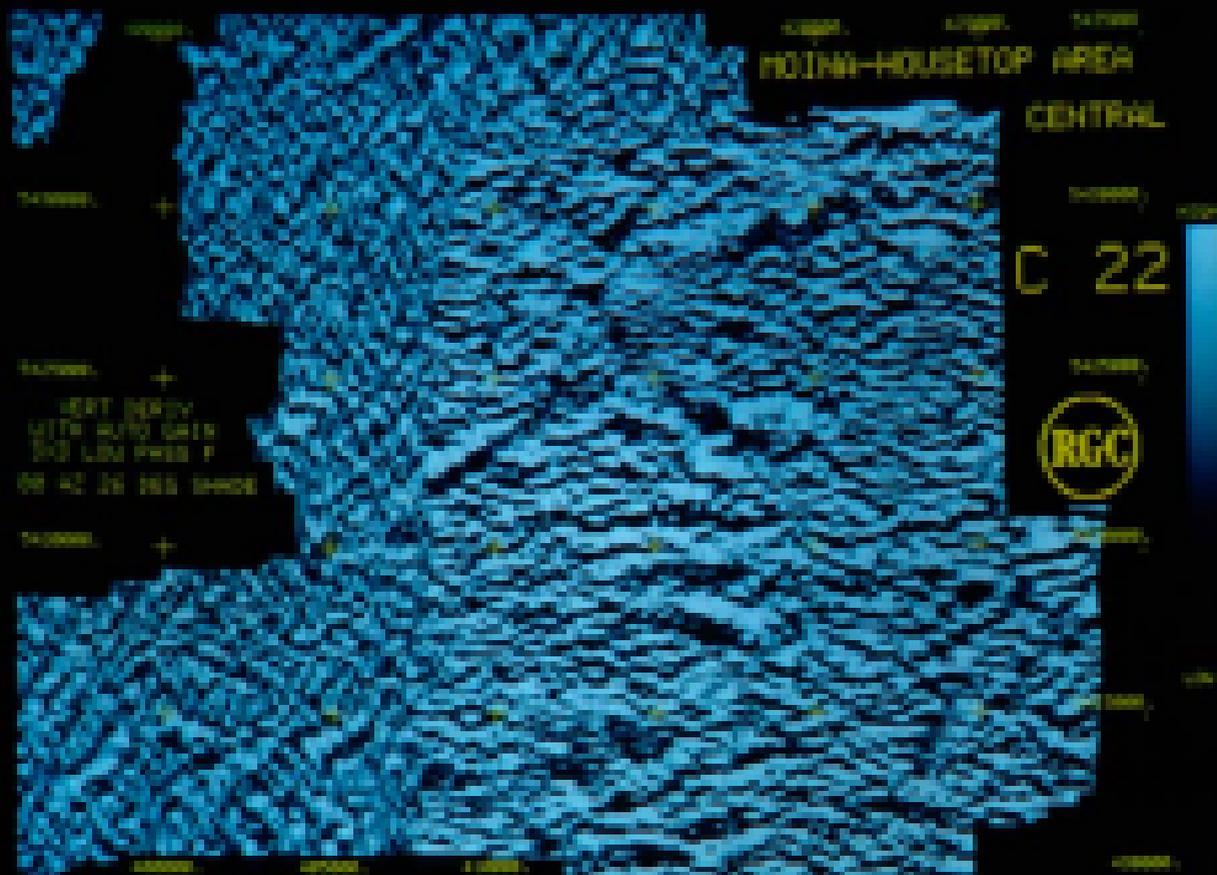
MOJANA-HOUSETOP AREA

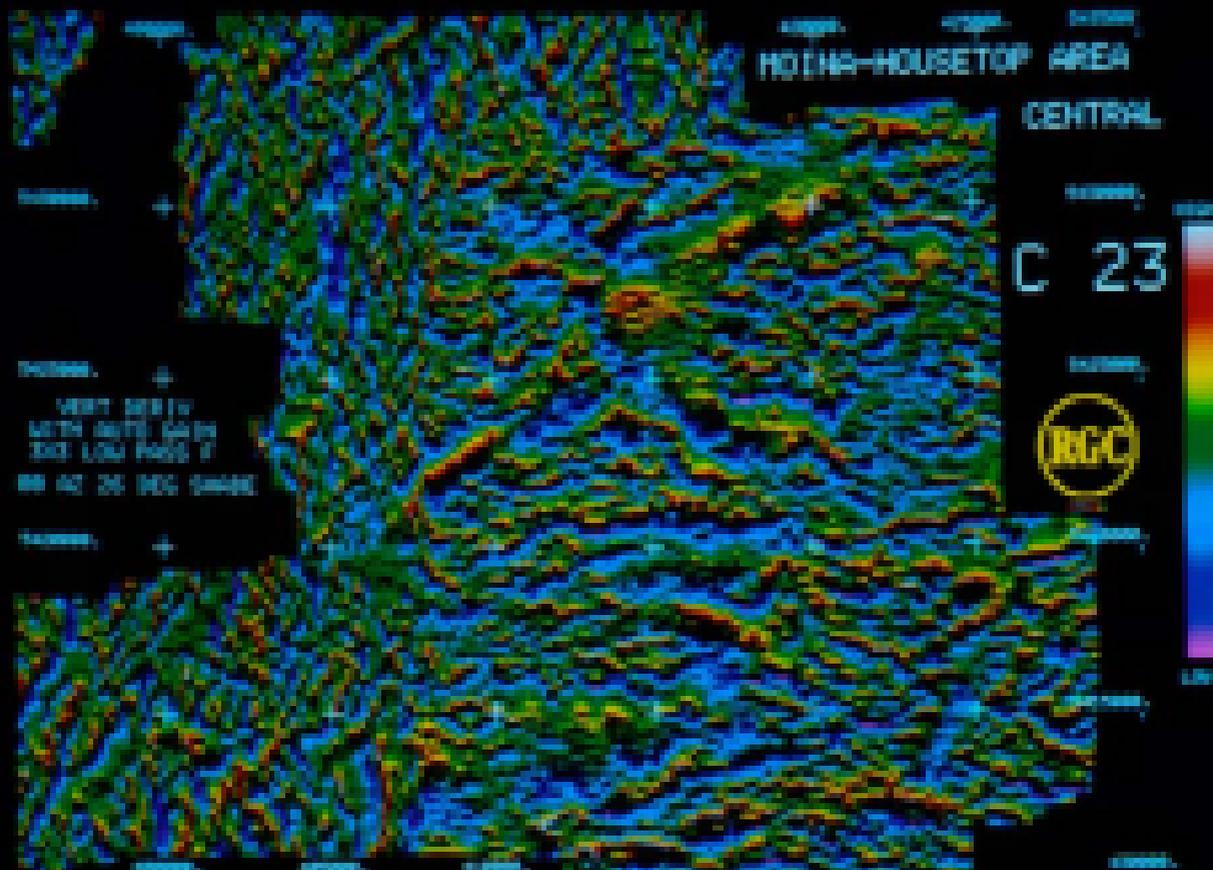
CENTRAL

C 21



VERT DERIV
WITH AUTO CORR
DOP LOW PASS F
VERT ILLUM

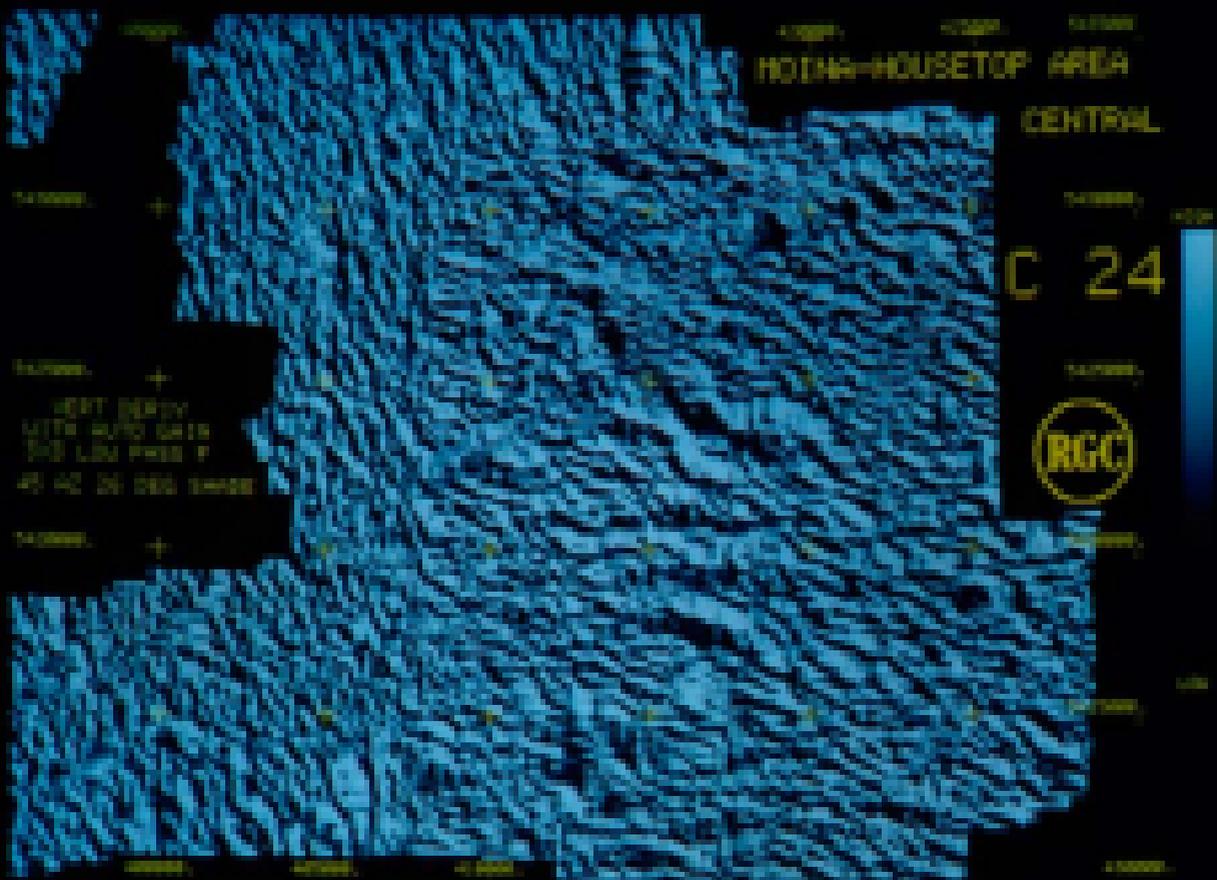




MODNA-HOUSETOP AREA

CENTRAL

C 24

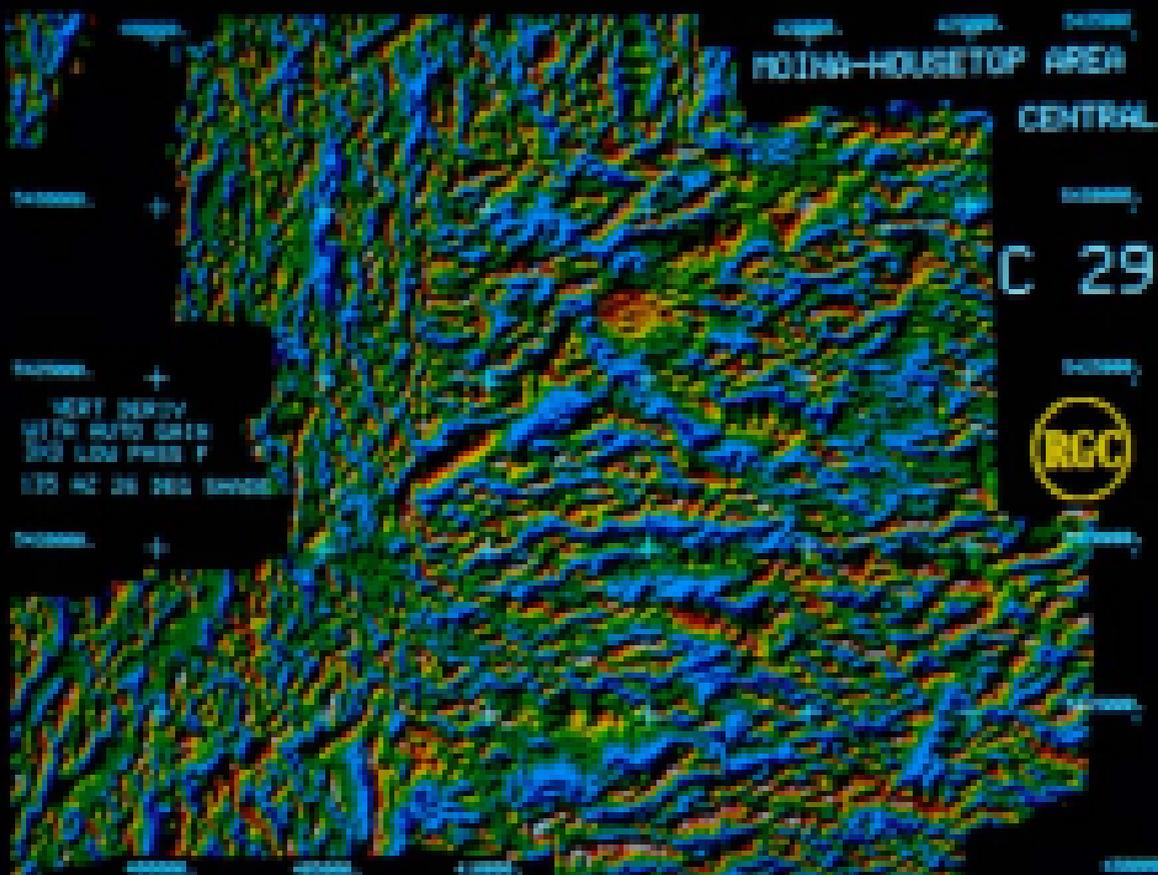


DEPT. OFFICE
WITH AUTO. DATA
343 LIB. FLOOR 7
45 AC 26 000 0000

MOJINA-HOUSETOP AREA

CENTRAL

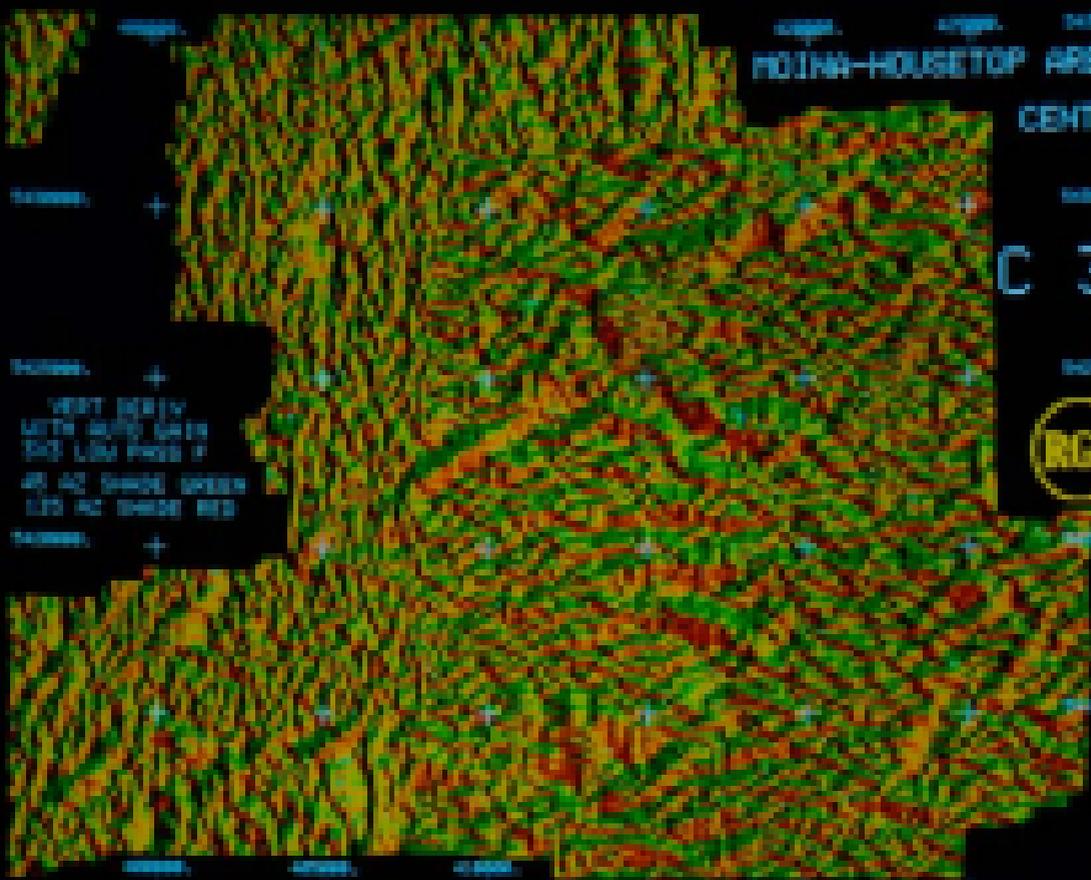
C 29



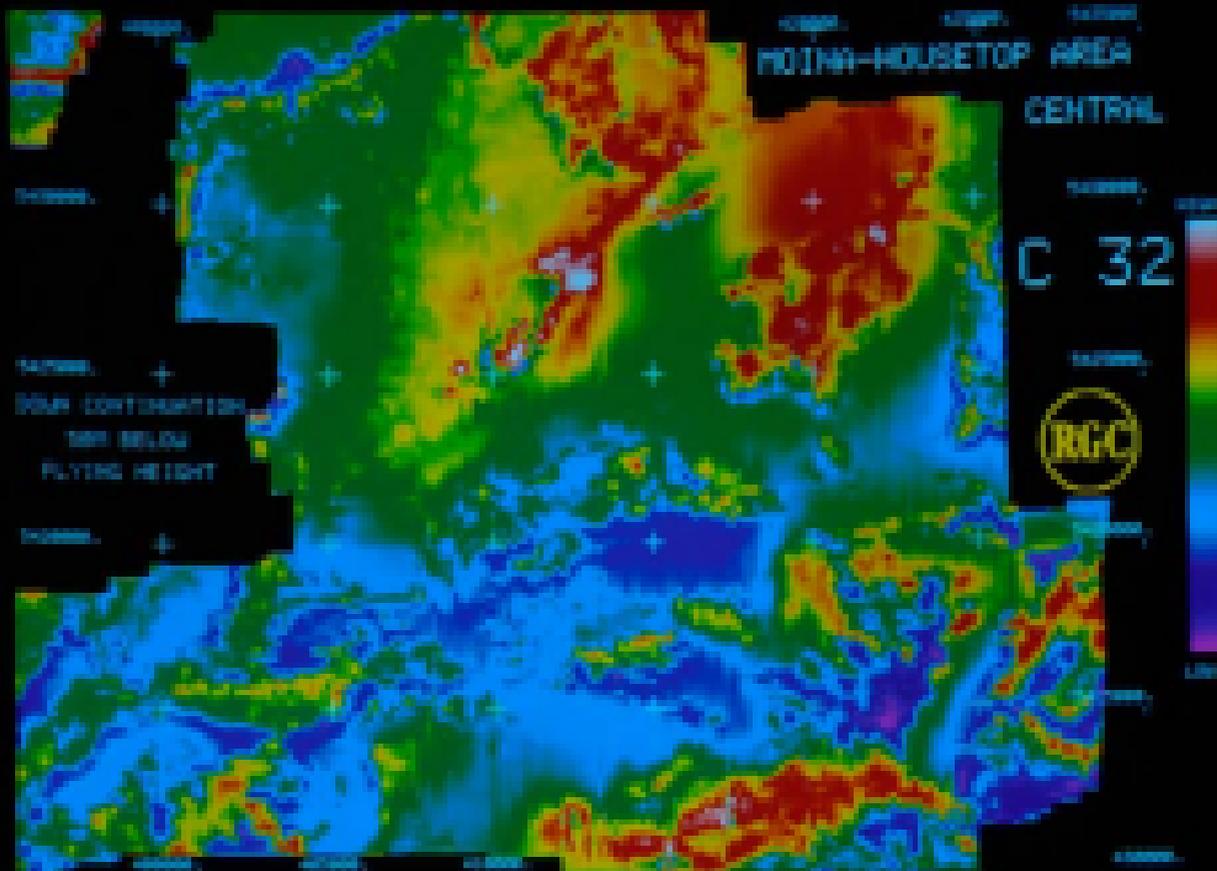
MOJINA-HOUSETOP AREA

CENTRAL

C 30



WEST QUARTER WITH 40% GRADE 340 LINA ROAD F 40 AC (GRADE) GREEN 175 AC (GRADE) RED



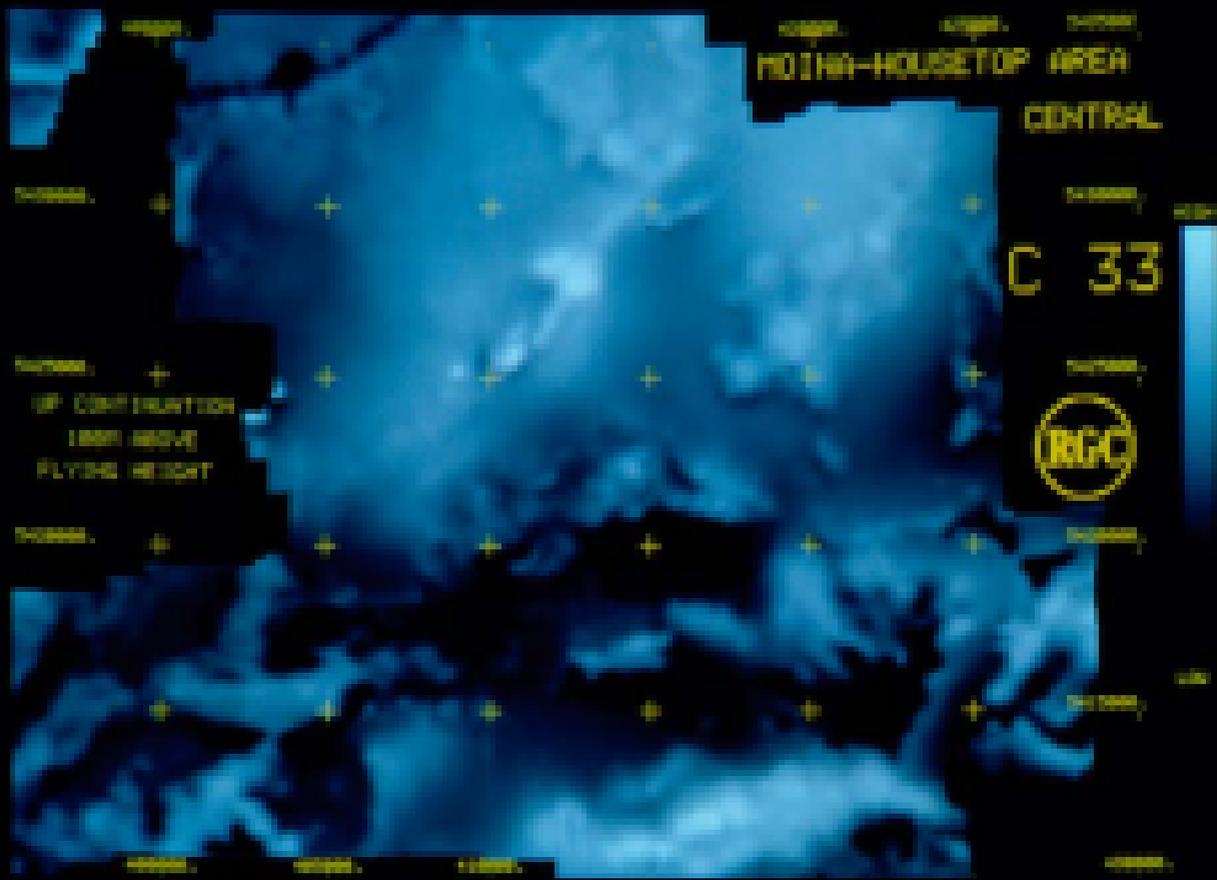
MOINA-HOUSETOP AREA
CENTRAL

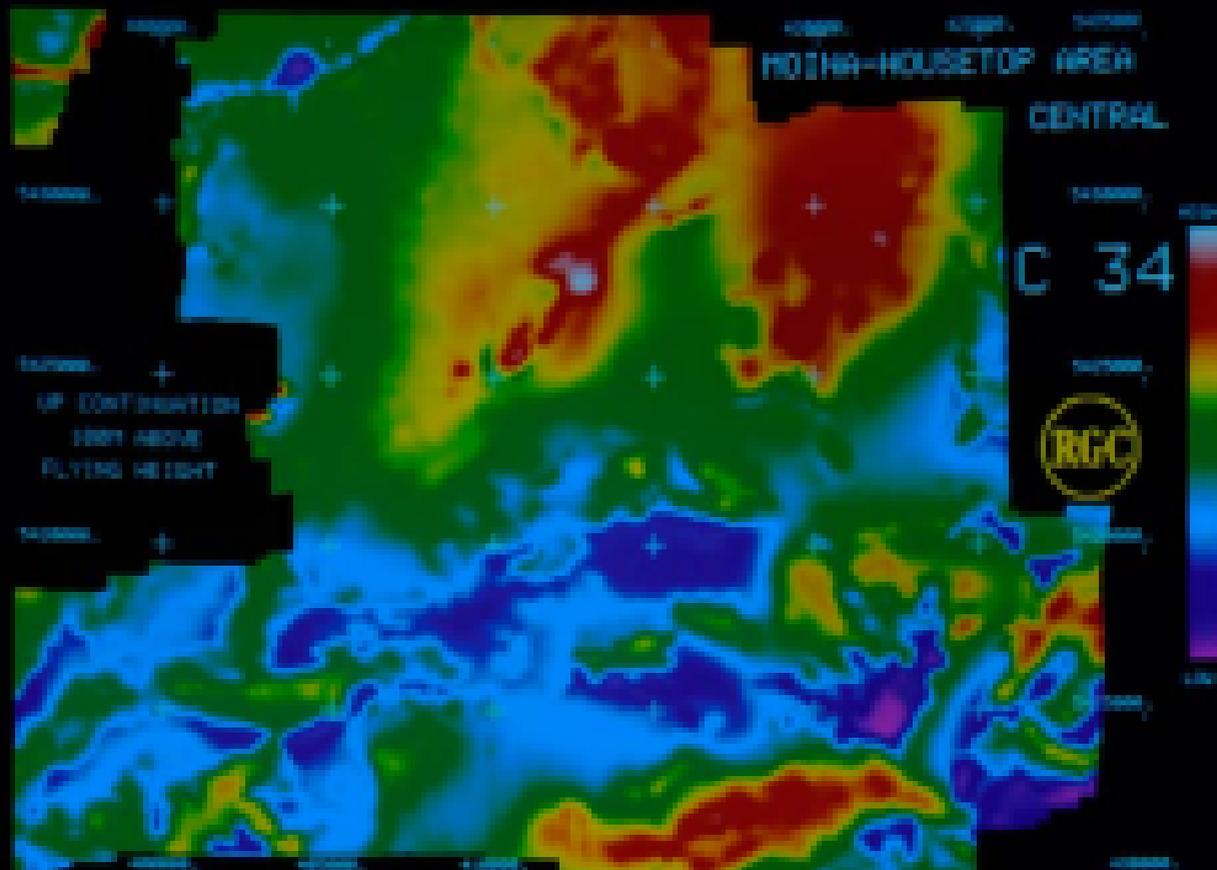
C 32

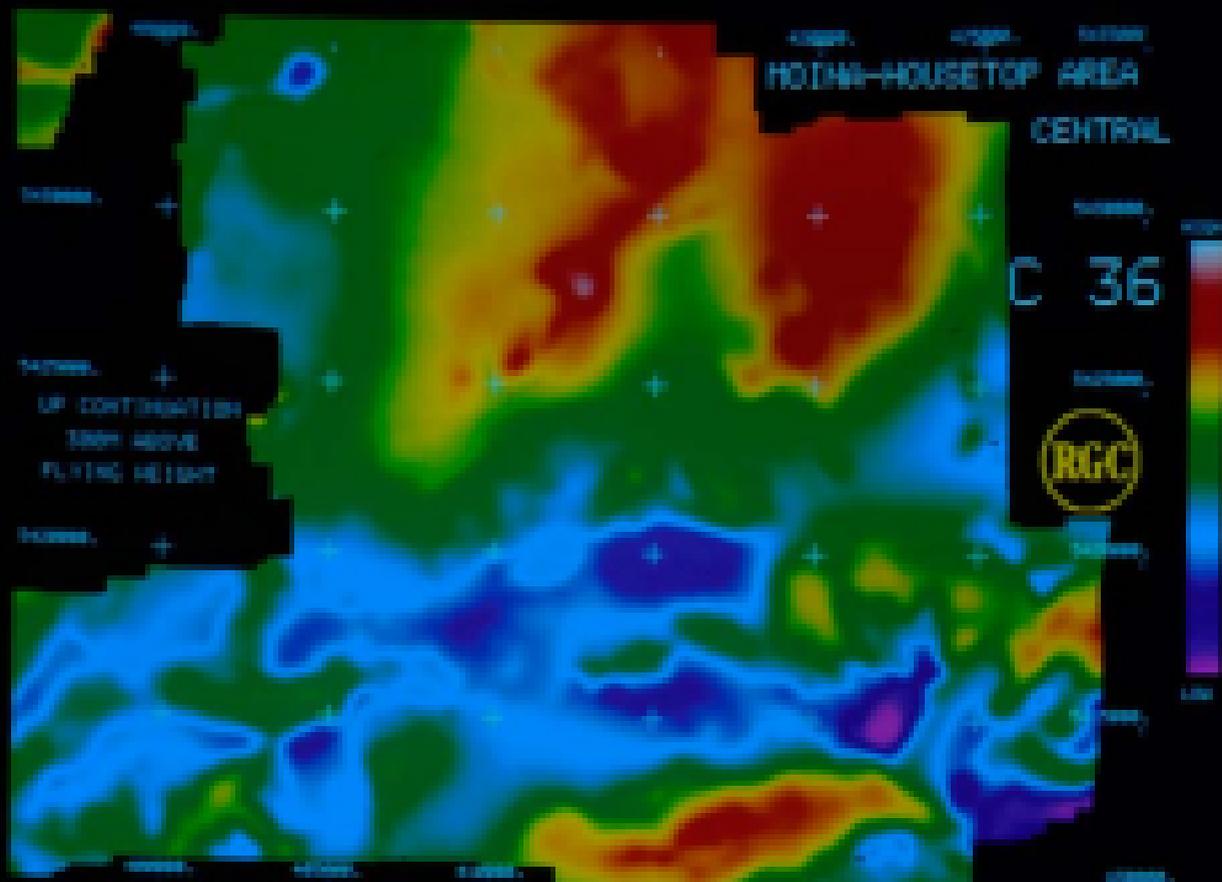


DBZ
TERRAIN
RAIN CONTOUR
1000 FT BELOW
FLYING HEIGHT
DBZ

DBZ
LOW







APPENDIX

RUNS TO STRETCH REAL DATA GRID FILES TO GREYSCALE FILES

MAGNETICS

1 1244.309
16 1408.240
32 1516.304
48 1597.706
64 1667.256
80 1731.963
96 1786.466
112 1855.923
128 1937.230
144 2035.066
160 2155.405
176 2283.644
192 2410.683
208 2596.857
224 2817.689
240 3014.668
256 3987.143

VERTICAL DERIVATIVE (VD)

1 -132.0827
16 -60.85066
32 -41.89333
48 -29.06534
64 -19.45599
80 -11.99200
96 -6.285339
112 -2.537338
128 -0.4026642
144 1.436005
160 5.430664
176 11.73599
192 19.99066
208 29.78000
224 41.84666
240 54.93042
256 200.0000

RUNS TO STRETCH REAL DATA GRID FILES TO GREYSCALE FILES (cont)

VD WITH AUTOMATIC GAIN CONTROL (AGC)

1 -2.791111
16 -2.005022
32 -1.693229
48 -1.427896
64 -1.167321
80 -0.9129589
96 -0.6454434
112 -0.3761101
128 -7.9591270E-02
144 0.2342319
160 0.5687551
176 0.8993378
192 1.208433
208 1.484283
224 1.728098
240 1.928265
256 4.454650

4-CHANNEL RADIOMETRICS (TOTAL COUNT, POTASSIUM, URANIUM, THORIUM)

1 9.355545 -12.68643 -5.825485 3.824606
16 85.15467 -10.50691 -4.061457 5.504199
32 95.76997 -9.358711 -3.205734 6.157355
48 105.6990 -8.411499 -2.429079 6.714287
64 116.6425 -7.425798 -1.654371 7.284237
80 127.8322 -6.375954 -0.8590198 7.832726
96 140.5587 -5.219913 -3.6854740E-03 8.384909
112 156.7987 -3.814417 0.9213676 8.978079
128 178.8573 -1.968456 2.003387 9.582684
144 209.5768 0.8361187 3.314043 10.19186
160 253.6941 5.020533 4.954989 10.83024
176 308.6729 10.19350 7.055154 11.49817
192 372.9839 15.85896 9.528065 12.17332
208 441.2487 22.02474 12.23117 12.90018
224 506.6041 28.13708 15.36116 13.65044
240 562.5491 33.85902 18.92335 14.34838
256 857.8342 69.58494 38.89880 21.20948

RUNS TO STRETCH REAL DATA GRID FILES TO GREYSCALE FILES (ctd)

POTASSIUM / THORIUM RATIO

1 0.2189402
16 0.4111535
32 0.5160054
48 0.6208267
64 0.7272436
80 0.8392760
96 0.9635211
112 1.096880
128 1.244323
144 1.408060
160 1.588889
176 1.780550
192 1.991972
208 2.225887
224 2.467811
240 2.709076
256 9.205615

THORIUM / POTASSIUM RATIO

1 0.1618846
16 0.2753907
32 0.3293723
48 0.3766062
64 0.4245028
80 0.4766168
96 0.5349964
112 0.6036182
128 0.6818795
144 0.7717083
160 0.8791293
176 1.005589
192 1.154761
208 1.335744
224 1.556310
240 1.798330
256 18.07421

RUNS TO STRETCH REAL DATA GRID FILES TO GREYSCALE FILES (ctr)

POTASSIUM / URANIUM RATIO

1	0.3028560
16	0.4594081
32	0.5462326
48	0.6268260
64	0.7069044
80	0.7930081
96	0.8941488
112	1.011975
128	1.156374
144	1.355050
160	1.625103
176	1.979250
192	2.357498
208	2.724057
224	3.089276
240	3.472196
256	15.44921

URANIUM / POTASSIUM RATIO

1	0.1702128
16	0.2352043
32	0.2771632
48	0.3221787
64	0.3737396
80	0.4430227
96	0.5326831
112	0.6324705
128	0.7335855
144	0.8345153
160	0.9373902
176	1.049960
192	1.166203
208	1.293191
224	1.435957
240	1.587122
256	9.262444

RUNS TO STRETCH REAL DATA GRID FILES TO GREYSCALE FILES (ctd)

URANIUM / THORIUM RATIO

1	0.2765394
16	0.3594213
32	0.4102632
48	0.4626326
64	0.5255122
80	0.6059210
96	0.7035681
112	0.8164532
128	0.9391940
144	1.068735
160	1.208023
176	1.354876
192	1.516203
208	1.704696
224	1.909628
240	2.132064
256	10.91029

THORIUM / URANIUM RATIO

1	0.1701130
16	0.3152475
32	0.3906750
48	0.4566287
64	0.5265169
80	0.5970004
96	0.6769836
112	0.7732222
128	0.8868294
144	1.028780
160	1.206917
176	1.416142
192	1.652002
208	1.878957
224	2.083910
240	2.276746
256	7.765354

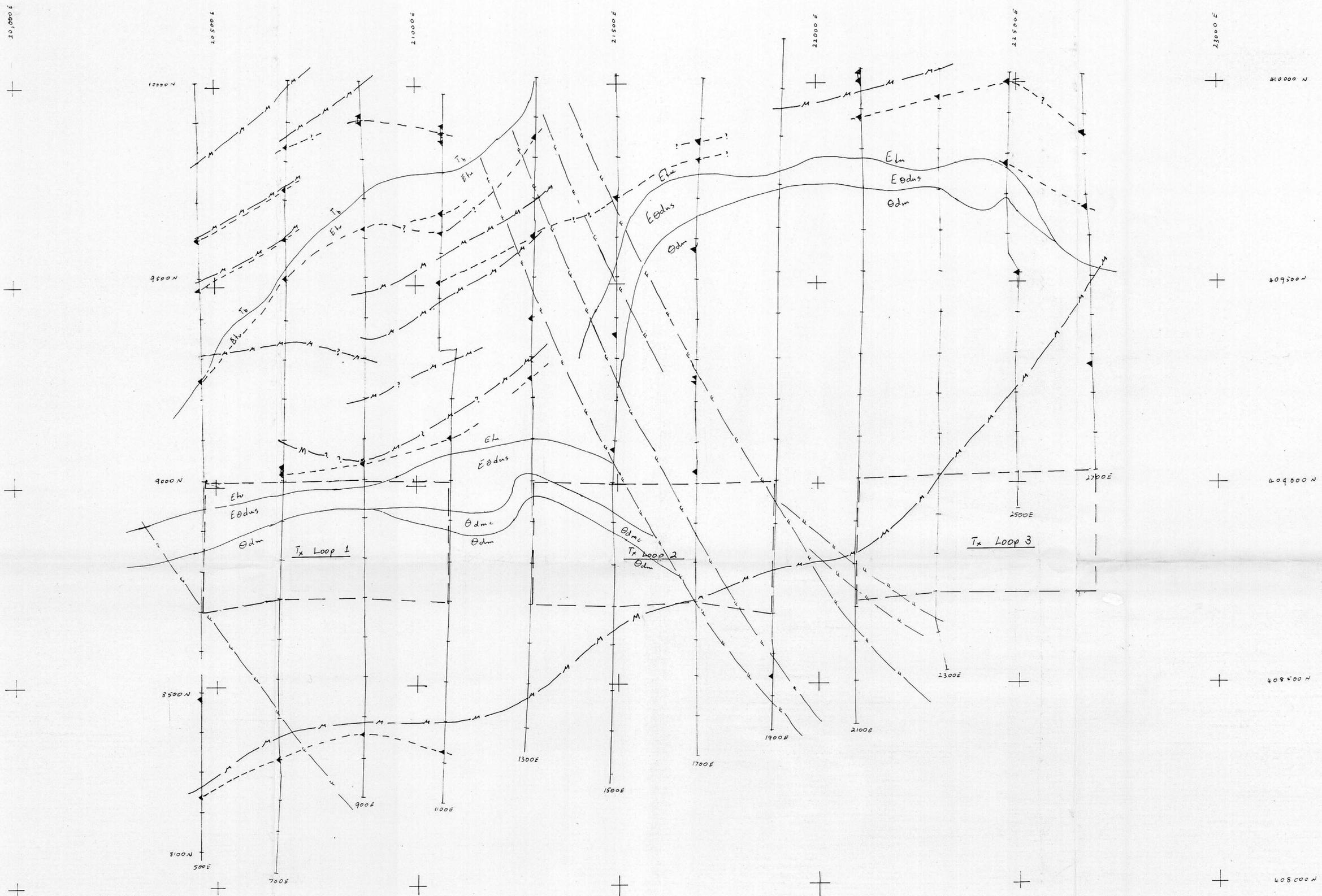
RUNS TO STRETCH REAL DATA GRID FILES TO GREYSCALE FILES (ctd)

ALTITUDE

1 12.49574
16 74.60366
32 86.79276
48 95.68076
64 103.1690
80 109.8673
96 115.7006
112 121.3295
128 127.4691
144 136.7116
160 149.3572
176 165.3881
192 187.1020
208 233.9991
224 372.8580
240 514.0170
256 875.1401

3X3 LOW PASS FILTER OF VD WITH AGC

1 -20.36686
16 -16.01891
32 -13.77252
48 -11.76127
64 -9.750225
80 -7.632547
96 -5.467127
112 -3.175180
128 -0.6632137
144 1.958969
160 4.726370
176 7.445627
192 9.972719
208 12.15664
224 14.00953
240 15.46853
256 31.63429



Reference:

Geology

- Fault
- Geological Contact
- Tb Tertiary basalt
- Edm Hanna Sandstone
- Edmc " Conglomerate
- Eodus Owen Conglomerate
- Etu Cambrian (Mt Read) Volcanics

GEOPHYSICS

- Axis of Magnetic Anomaly or gradient
- Small + weak Sirotem anomaly
- Possible Sirotem Anomaly trend/Axis
- Edge of Sirotem Transmitting Loop

RGC EXPLORATION PTY. LTD.

Mount Jacob Grid

Geophysical Summary + Interpretation Plan

Scale 1:5000

Drawing ID. 5525/021

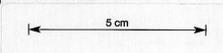
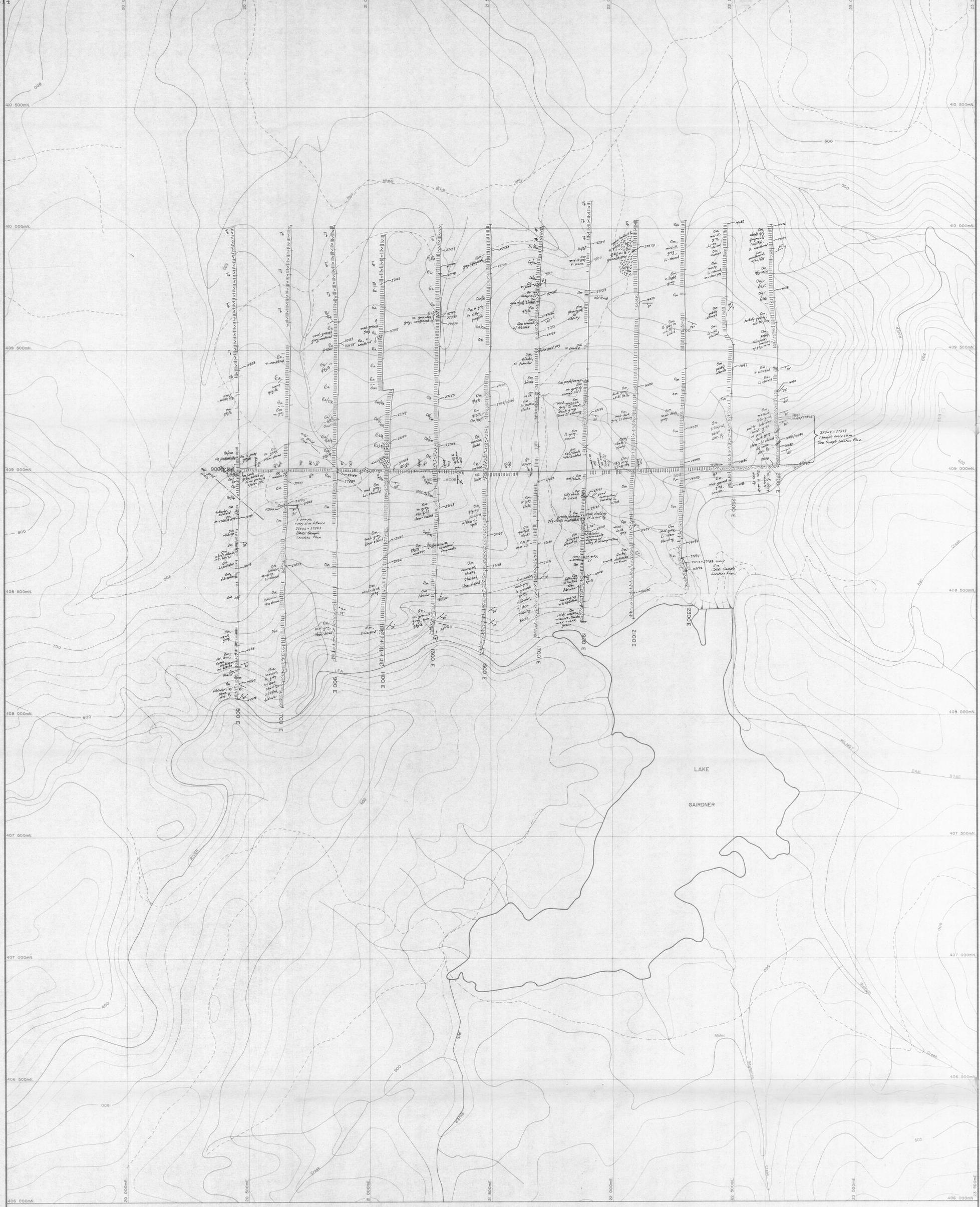


Fig. No. 1
PLAN 1

91-3301



Legend

- Hs* - hornfels, hornfels
 - Lc* - limestone, limestone
 - Py* - pyrite
 - m, med* - medium grade quartzite
 - lt* - light
 - F* - faulting evidence
- TERTIARY**
- Tb* Basalt lava flows, mostly block and float. Massive and vesicular.
- DEVONIAN**
 - Om* Meina Sandstone. Partially bioturbated, bedded and massive.
 - Or* 'Roland' Conglomerate (eg. Owen Conglomerate)

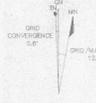
EMERSONIAN

 - Eu* andesites, massive, feldspar + hornblende - phytic
 - Elq* Laves, predominantly quartz + feldspar - phytic
 - Elp* Laves, predominantly feldspar - phytic, felsic
 - Elst* Interbedded tuffaceous sandstone/siltstone, tuffs. Also, minor lavas + volcanoclastic conglomerates.

On area of rock float/surround, no outcrop. latter symbols indicate stratigraphic unit.

— bedding strike/dip

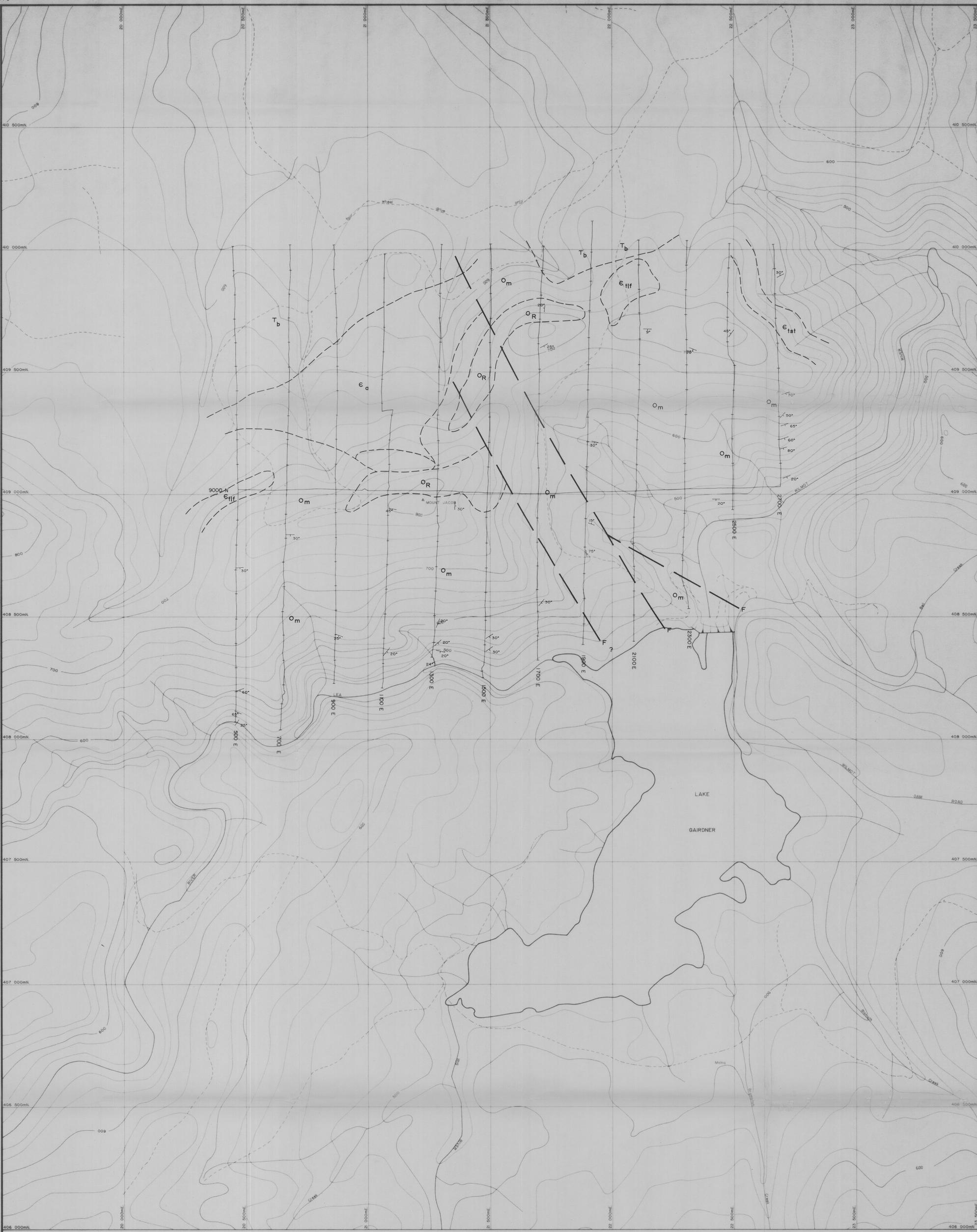
○ sample location + number (rock chip + grab/float samples only)



91-3301.

RGC EXPLORATION PTY. LIMITED	
COMPILED BY	C.H.C.
DRAWN BY	T.O.S.
DATE	March 1991
CHECKED BY	C.H.C.
APPROVED BY	C.H.C.
BASE PLAN No.	5525/017
OVERLAY PLAN No.	
SCALE	1 : 5,000
FIGURE No.	PLAN 3

MOUNT JACOB SHEET
133113
GRID FACTUAL GEOLOGY



LEGEND

- TERTIARY **Tb** Basalt lava flows, mostly blocks and float. Massive and vesicular
- ORDOVICIAN **Om** Moine Sandstone, partially bioturbated, bedded and massive
Or 'Roland' Conglomerate (eg Owen Conglomerate)
- CAMBRIAN **Ea** Andesites, massive, feldspar and hornblende - phyrlic
Elq Lavas, predominantly quartz and feldspar - phyrlic
Eif Lavas, predominantly feldspar - phyrlic
Est Interbedded tuffaceous sandstone / allstones, tuffs. Also, minor lavas and volcanoclastic conglomerates



91-3301.

RGCEXPLORATION PTY. LIMITED <small>(INC. IN N.Z.)</small>	
COMPILED:	MT. JACOB E.L. 8/88
DRAWN:	T.S.O.S.
DATE:	
CHECKED:	
1:25,000 REFERENCE PLANET	1:25,000 REFERENCE PLANET
BASE PLAN No. 5525-009	OVERLAY PLAN No.
133110	PLAN 4