

Appendix VI A
DRILLING SECTIONS
Batman Sections 9220N - 9960N

CR90/348

AA

APPENDIX VI - DRILL SECTIONS

LIST OF CONTENTS

APPENDIX VI A

Title

Scale:

Fig 109	Mt Todd JV	Batman Drillhole Location Plan	1:2500
110	Mt Todd JV	Batman Au/Weathering 9220N	1: 500
111	Mt Todd JV	Batman Au/Weathering 9400N	1: 500
112	Mt Todd JV	Batman Au/Weathering 9600N	1: 500
113	Mt Todd JV	Batman Au/Weathering 9640N	1: 500
114	Mt Todd JV	Batman Au/Weathering 9700N	1: 500
115	Mt Todd JV	Batman Au/Weathering 9800N	1: 500
116	Mt Todd JV	Batman Au/Weathering 9800N	1: 500
117	Mt Todd JV	Batman Au/Weathering 9860N	1: 500
118	Mt Todd JV	Batman Au/Weathering 9900N	1: 500
119	Mt Todd JV	Batman Au/Weathering 9960N	1: 500

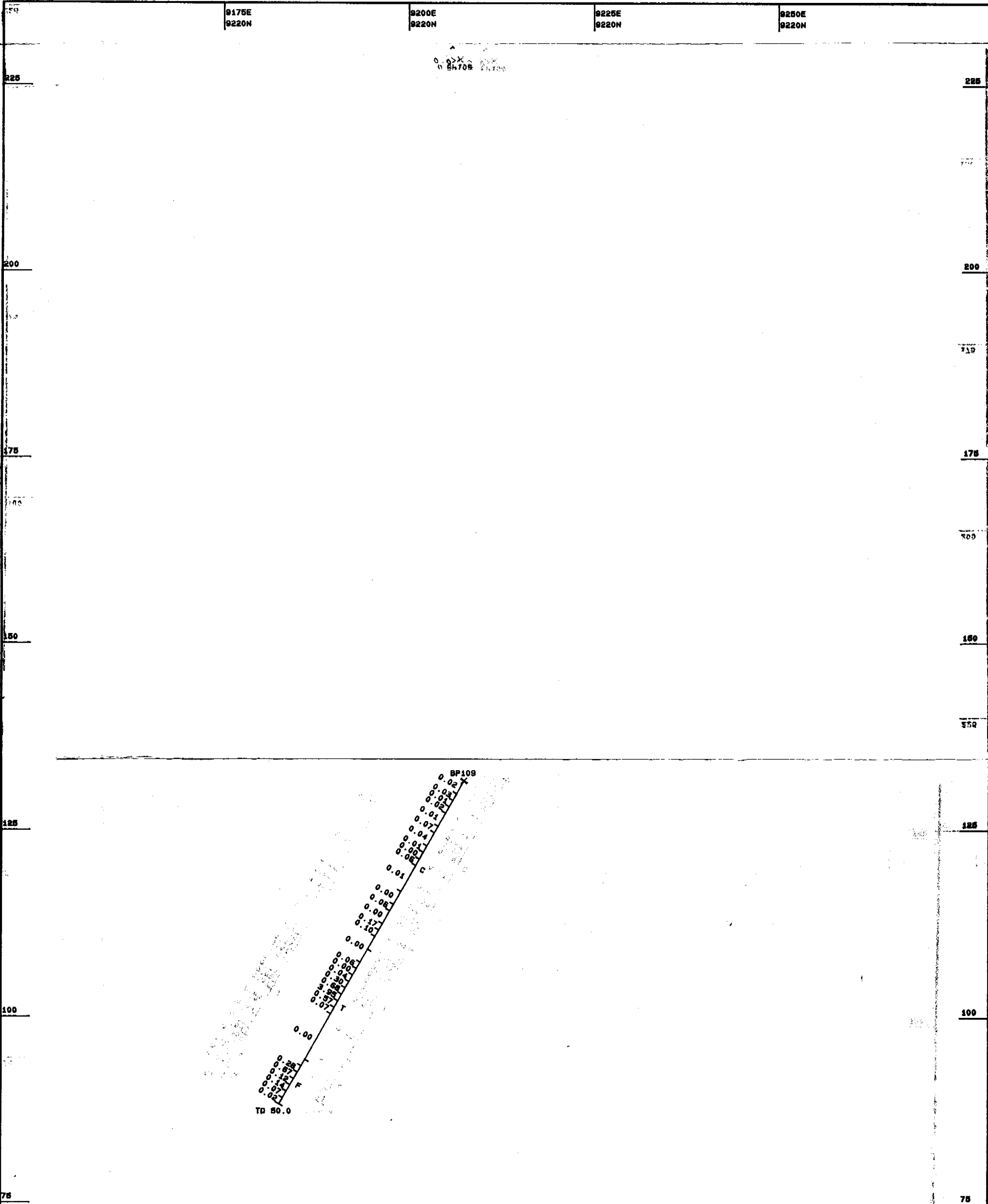
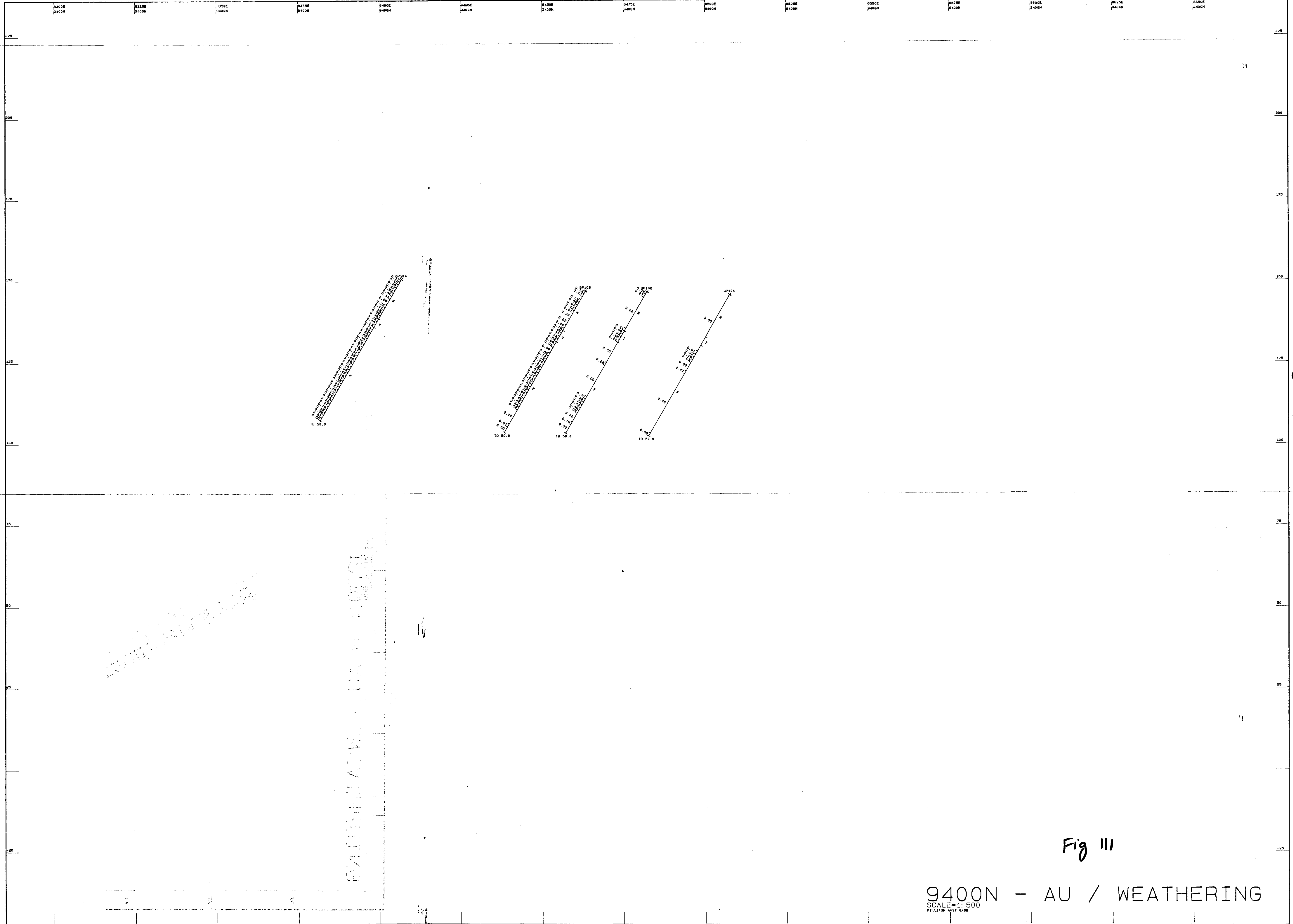


Fig 110

9220N - AU / WEATHERING

SCALE=1:500
BILLITON AUST 9/89

CR 90/348AA



CR00348 AA

Fig III

9400N - AU / WEATHERING
SCALE=1: 500
MILLITON AUST 8/88

9400N

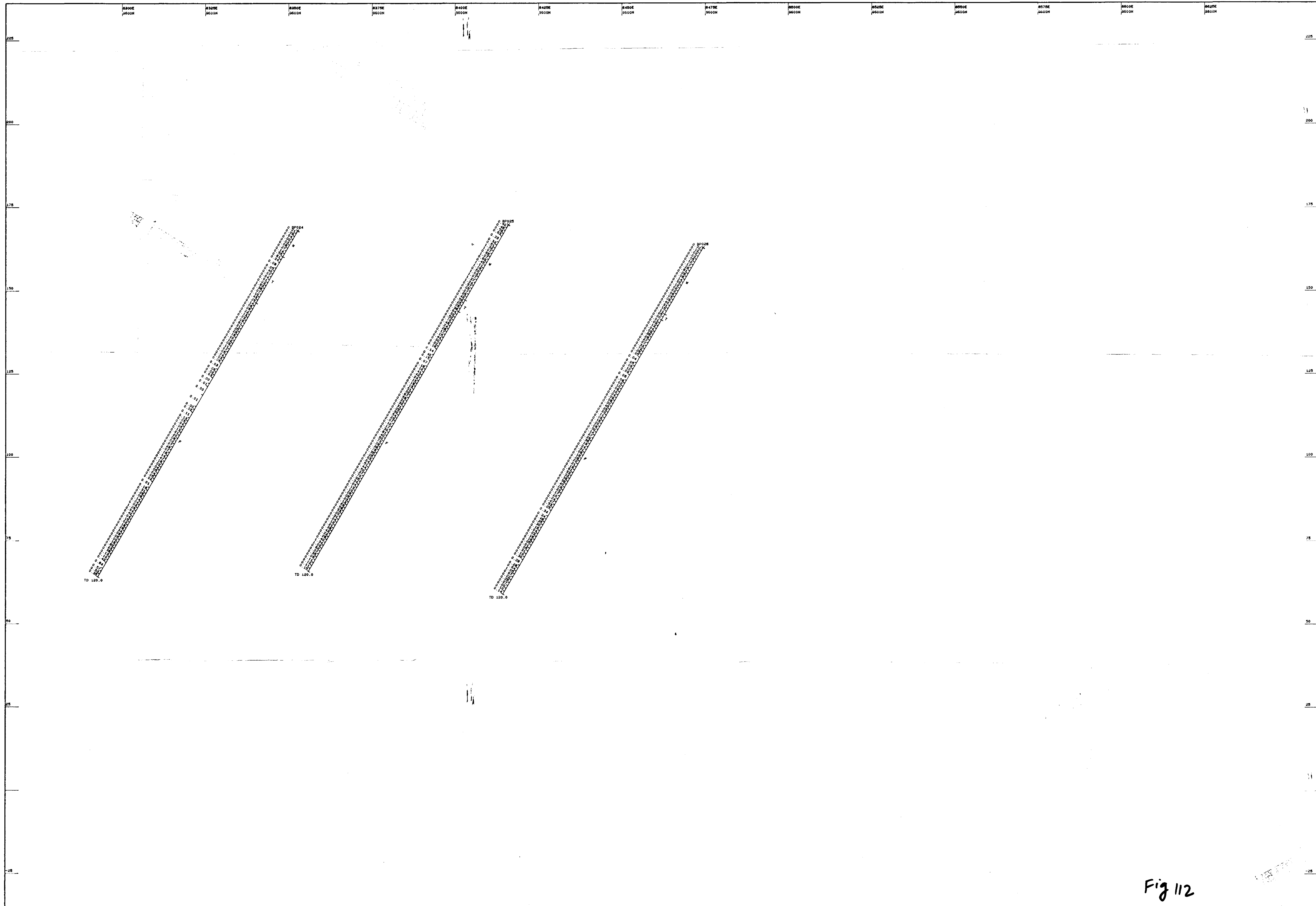


Fig 112

9600N - AU / WEATHERING
SCALE=1: 500
BILLION AUST 8/88

9600N
CR 90/378 AA

9200E
9640N

9225E
9640N

9250E
9640N

9275E
9640N

9300E
9640N

225

200

175

150

125

100

75

225

200

175

150

125

100

75

090/348A

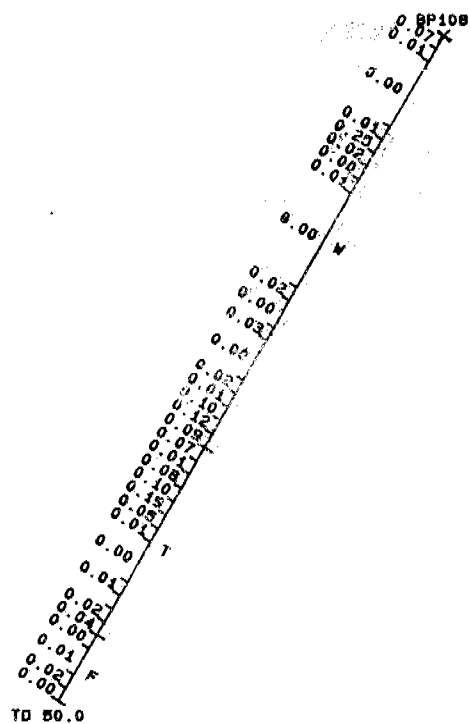


Fig 113

9640N - AU / WEATHERING
SCALE=1: 500
BILLITON AUST 8/83



9700N - AU / WEATHERING
Fig 114
SCALE = 1:500
9700N

CR 001348 AA

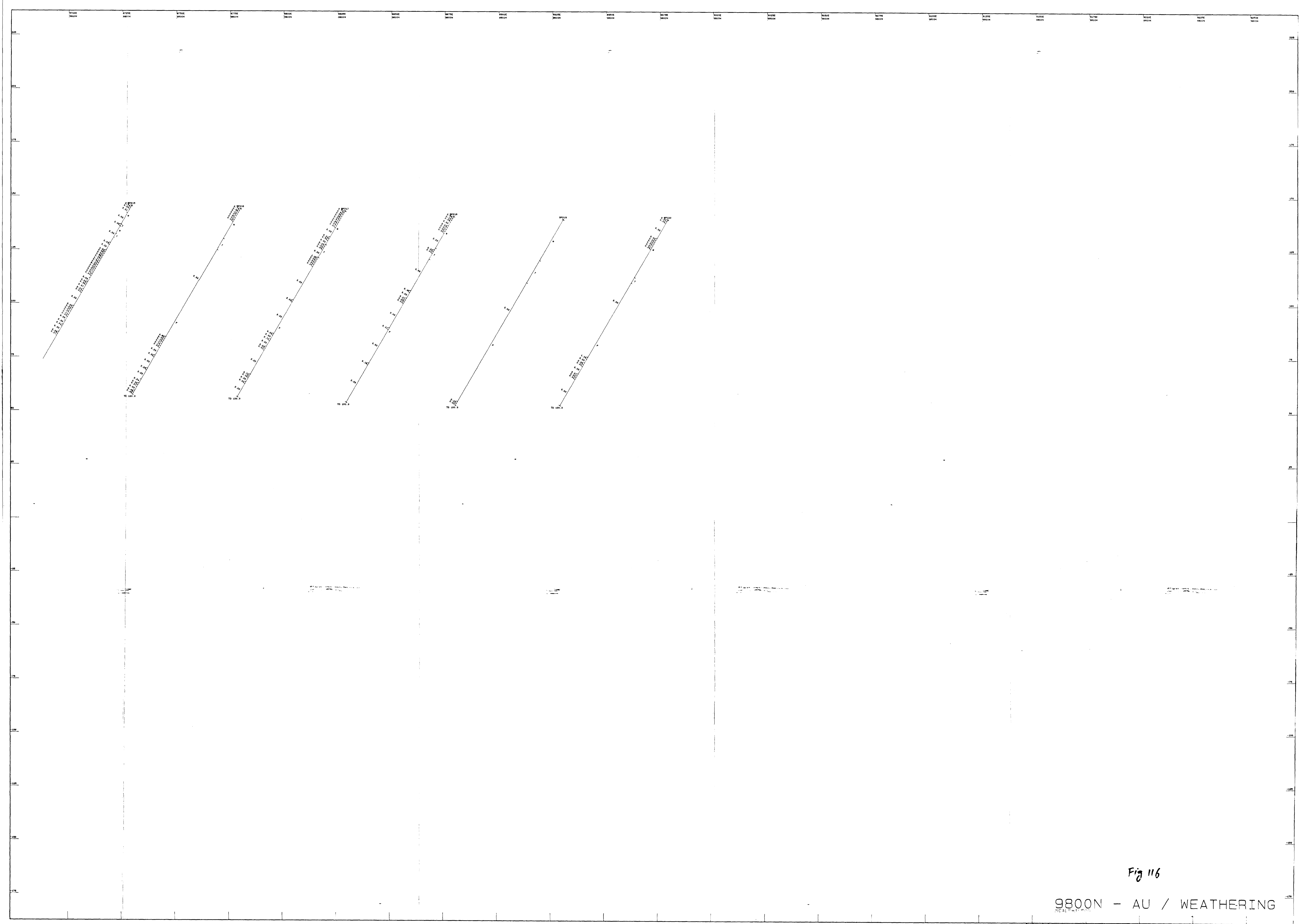


Fig 116

9800N - AU / WEATHERING

CR 90348 AA

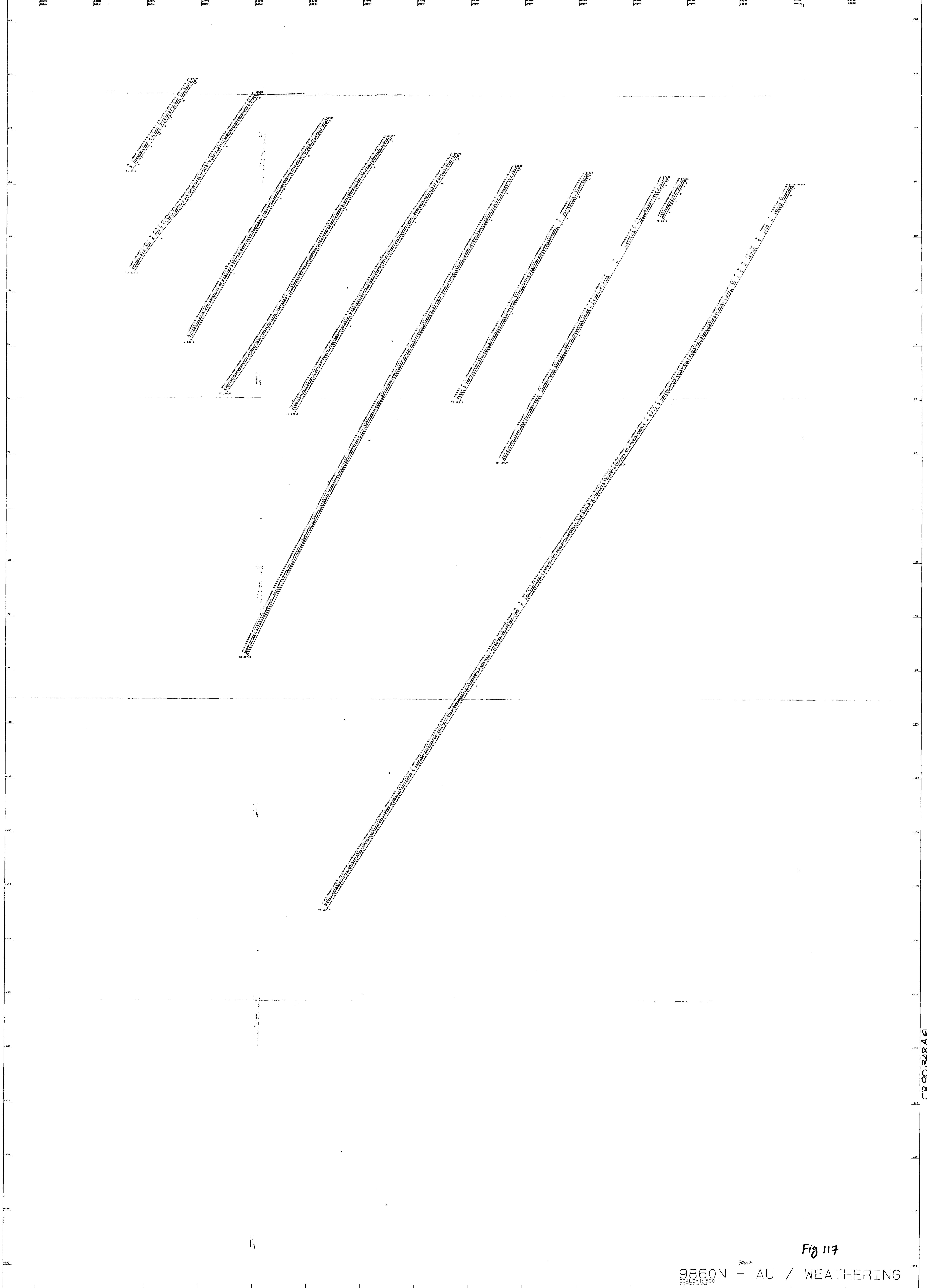
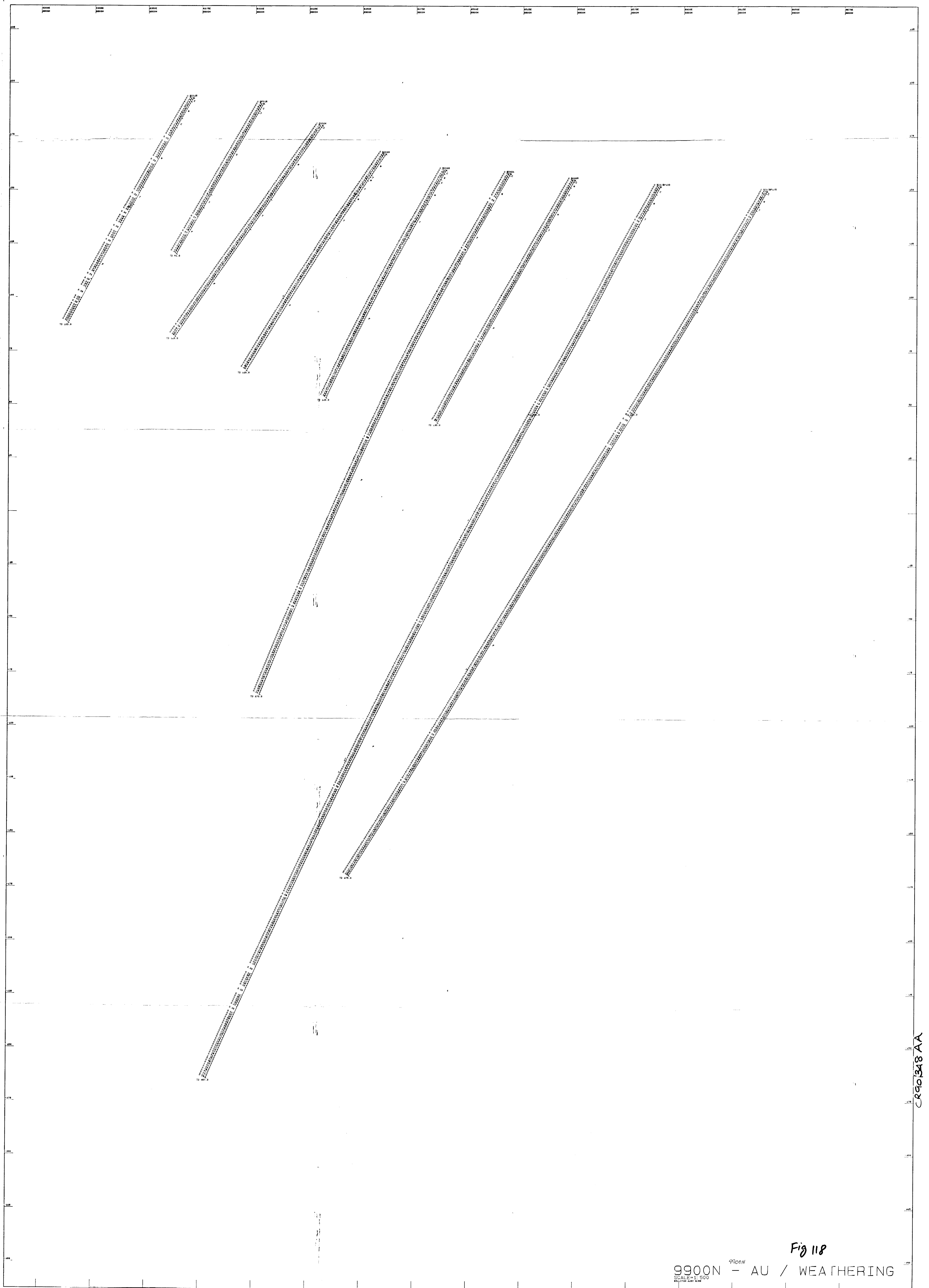
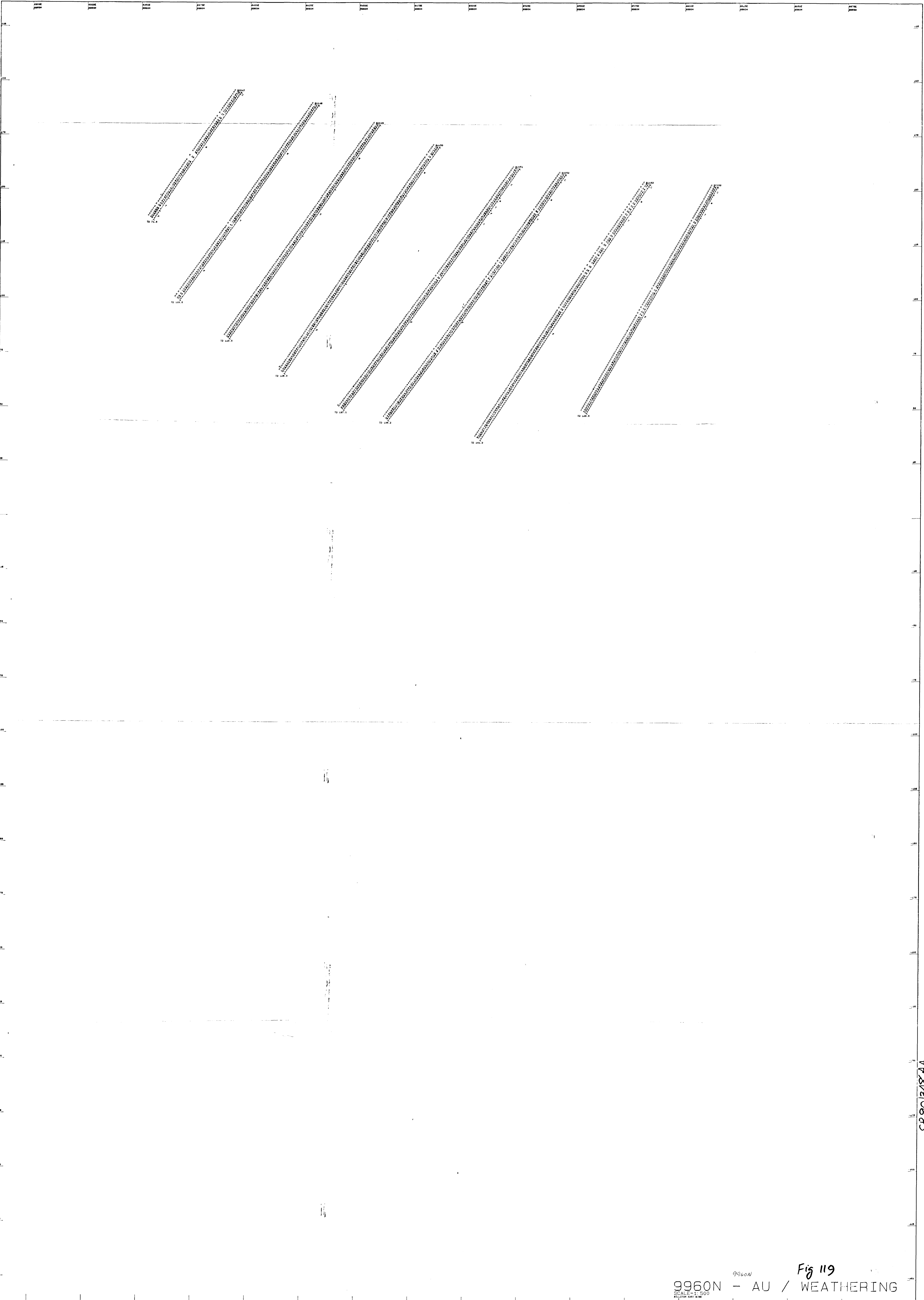


Fig 117
9860N - AU / WEATHERING
SCALE=1:500
Elevation 41.45

CR 90348A





9960N
9960N - AU / WEATHERING
SCALE: 1:500
SECTION 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500

CR 901348 AA

Appendix VI B
DRILLING SECTIONS
Batman Sections 10000N - 10400N

CR90/348AB

APPENDIX VI - DRILL SECTIONS

LIST OF CONTENTS

APPENDIX VI B

Title

Scale:

Fig 120	Mt Todd JV	Batman	Au/Weathering	10000N✓	1: 500
121	Mt Todd JV	Batman	Au/Weathering	10000N✓	1: 500
122	Mt Todd JV	Batman	Au/Weathering	10050N✓	1: 500
123	Mt Todd JV	Batman	Au/Weathering	10100N✓	1: 500
124	Mt Todd JV	Batman	Au/Weathering	10160N✓	1: 500
125	Mt Todd JV	Batman	Au/Weathering	10200N✓	1: 500
126	Mt Todd JV	Batman	Au/Weathering	10200N✓	1: 500
127	Mt Todd JV	Batman	Au/Weathering	10260N✓	1: 500
128	Mt Todd JV	Batman	Au/Weathering	10300N✓	1: 500
129	Mt Todd JV	Batman	Au/Weathering	10400N✓	1: 500

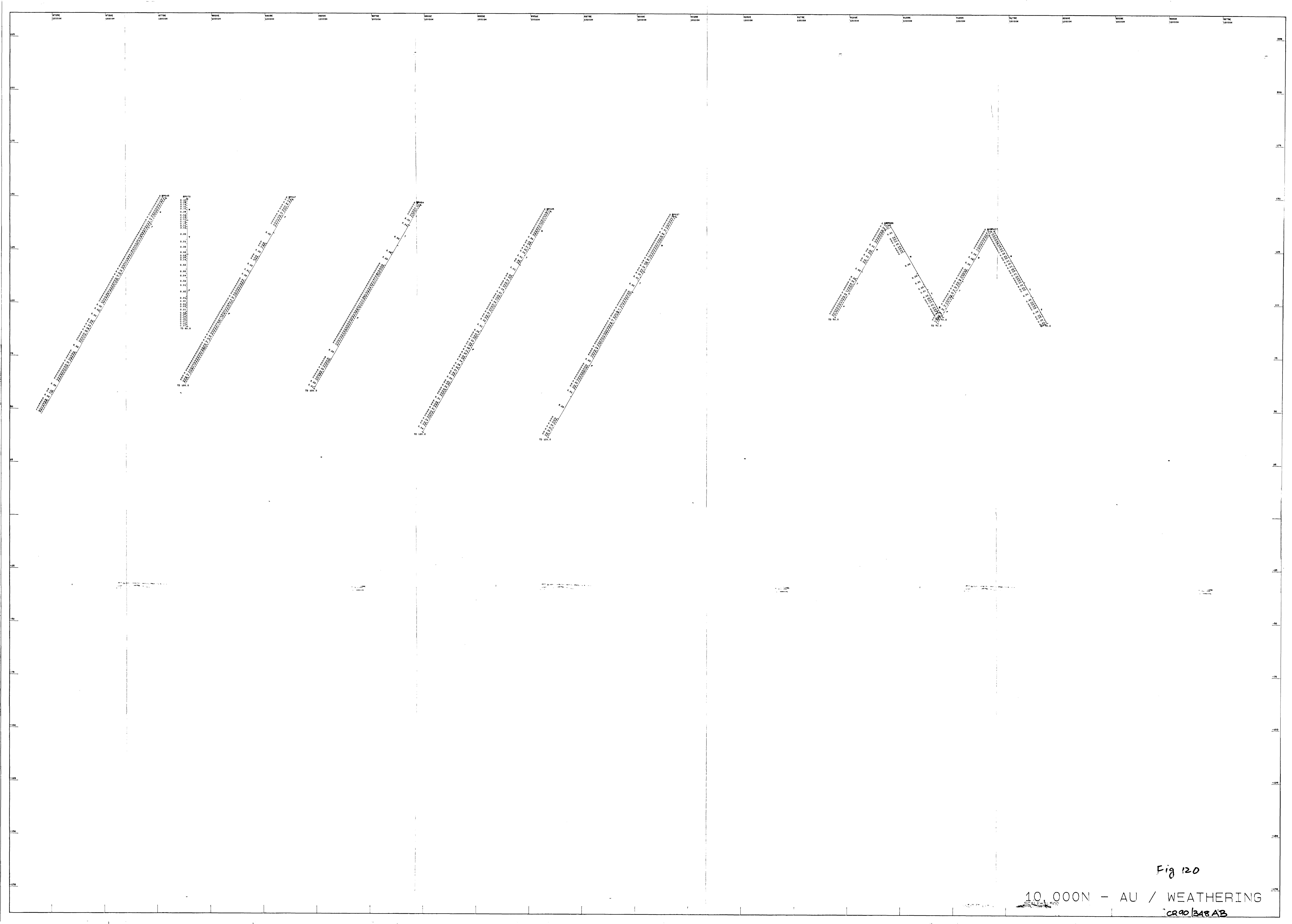
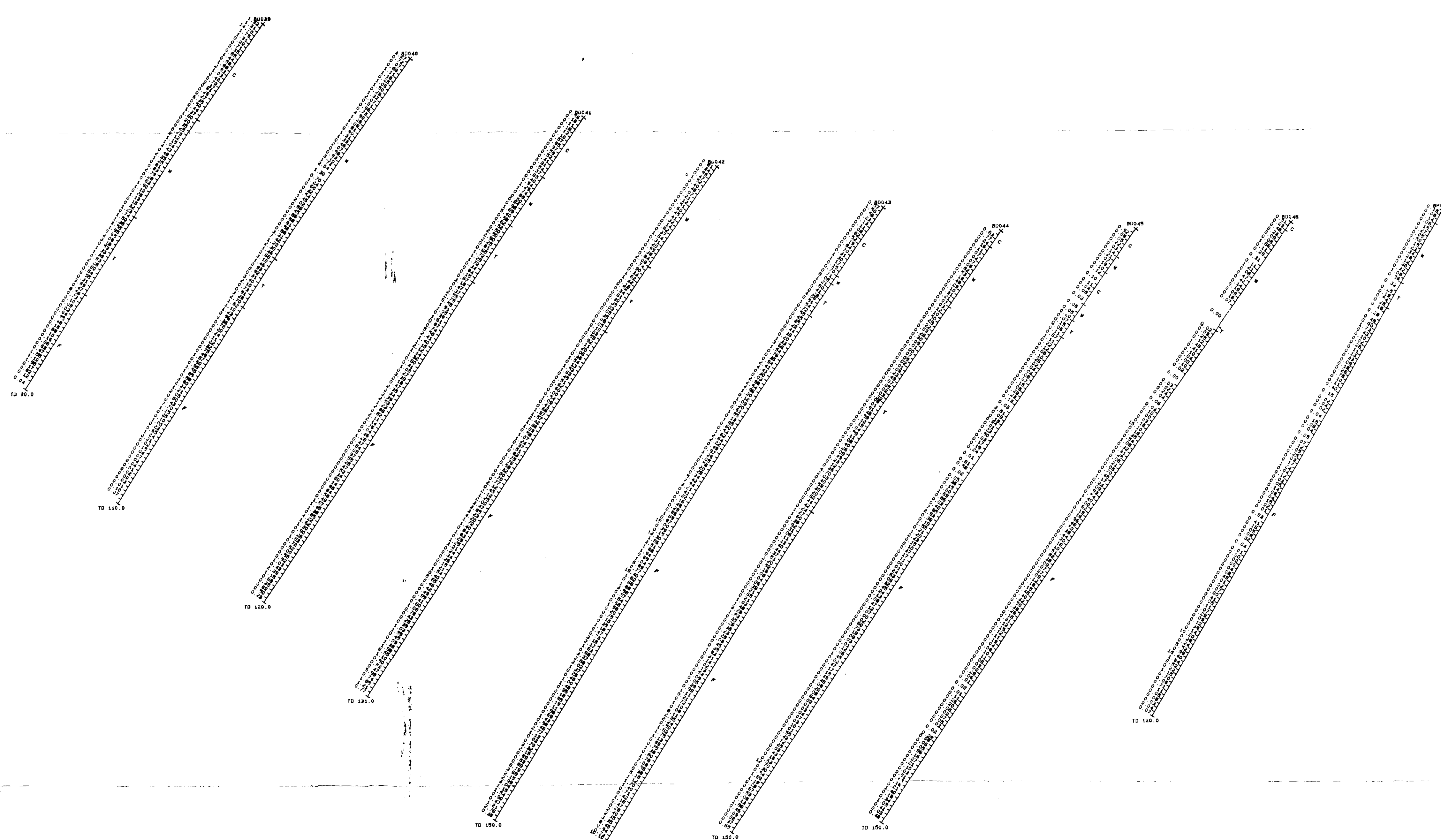


Fig 120

10.000N - AU / WEATHERING
CR90/348AB



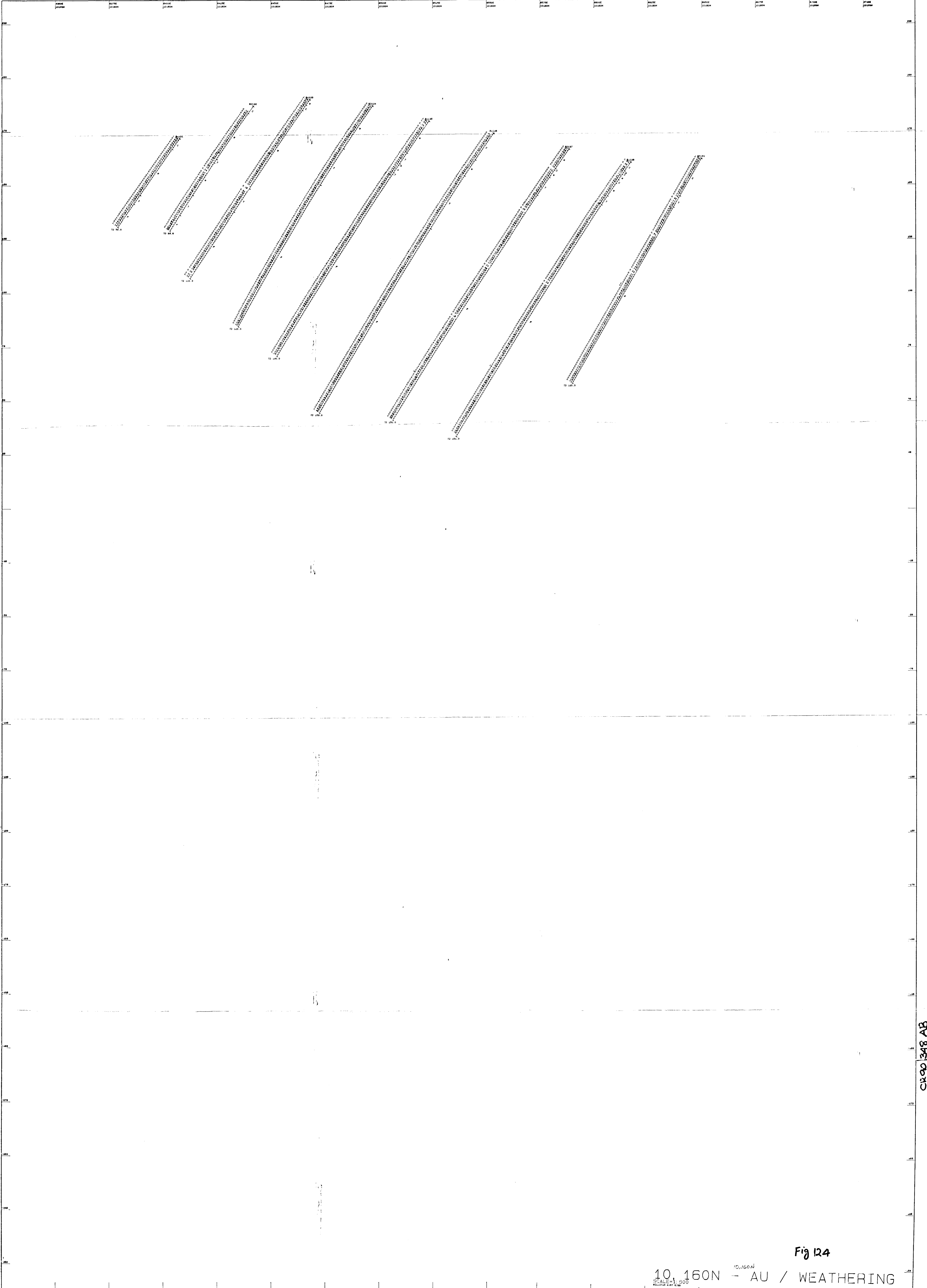


Fig 124

10,160N - AU / WEATHERING

CR 90 348 AB

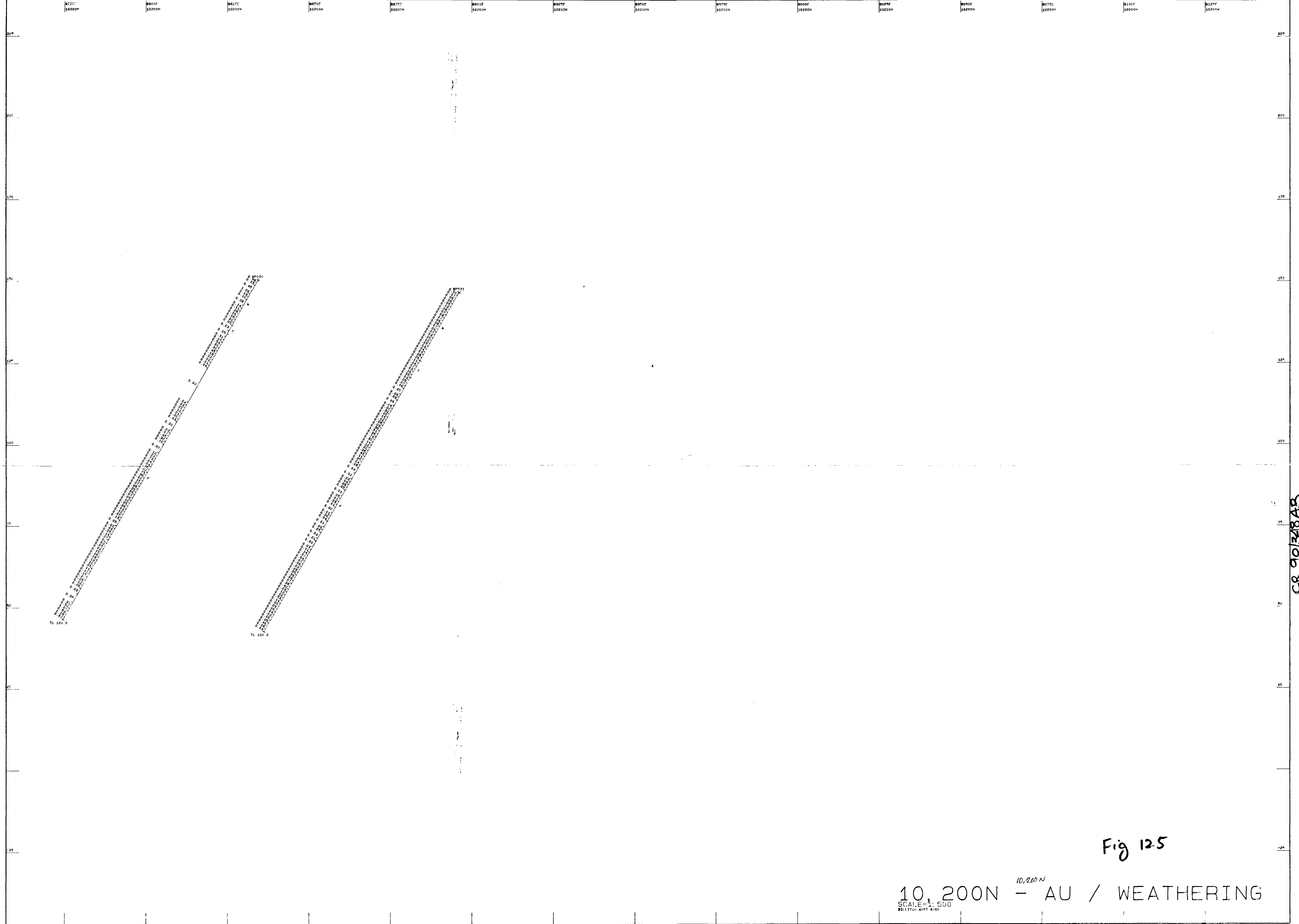


Fig 125

10.200N - AU / WEATHERING
SCALE=1:500
WILSON AIR 8/80

CR 90/348 AB

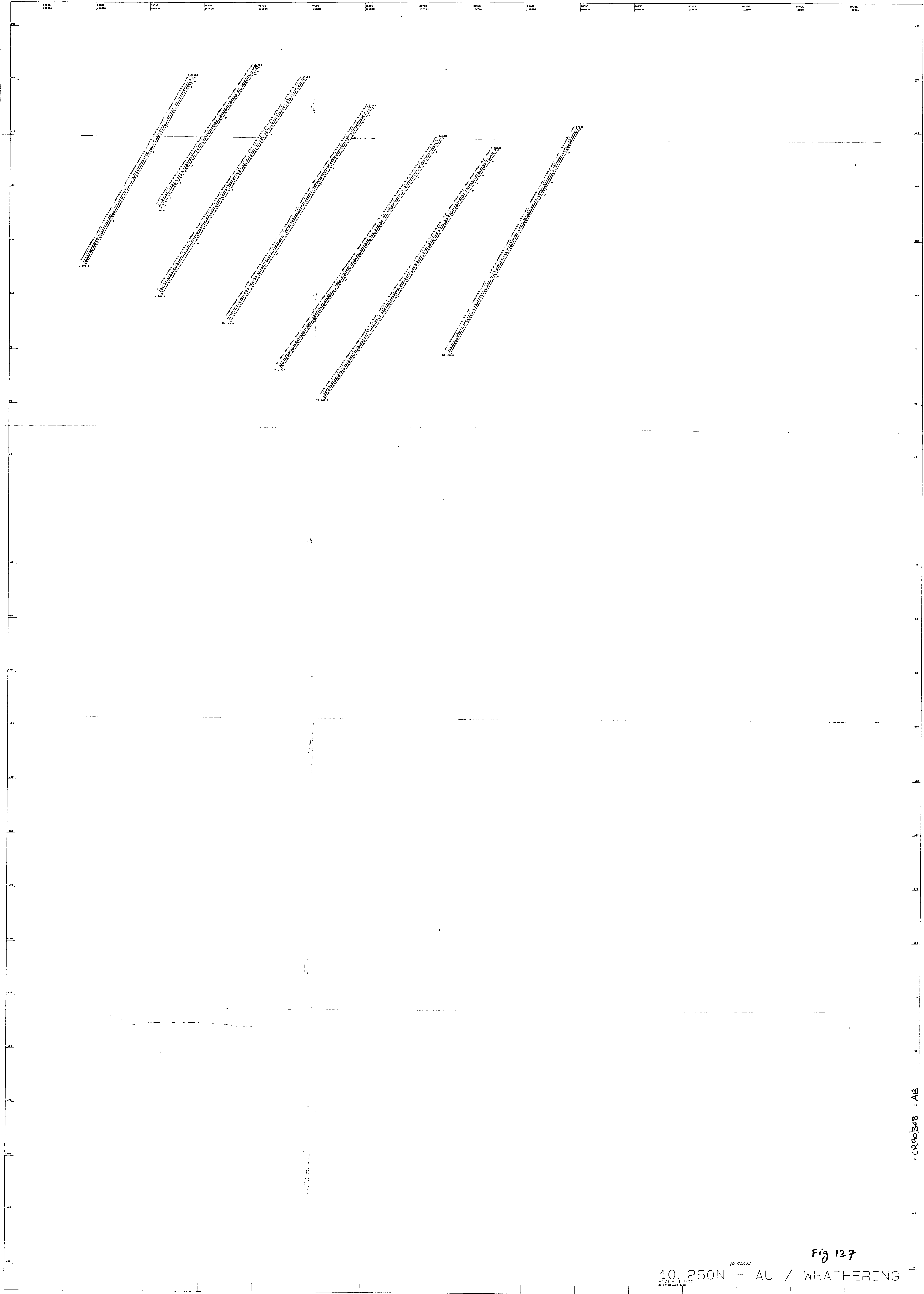


Fig 127
10.260N - AU / WEATHERING
SCALE 1:500
POSITION AND DATE

CR90BAS AB

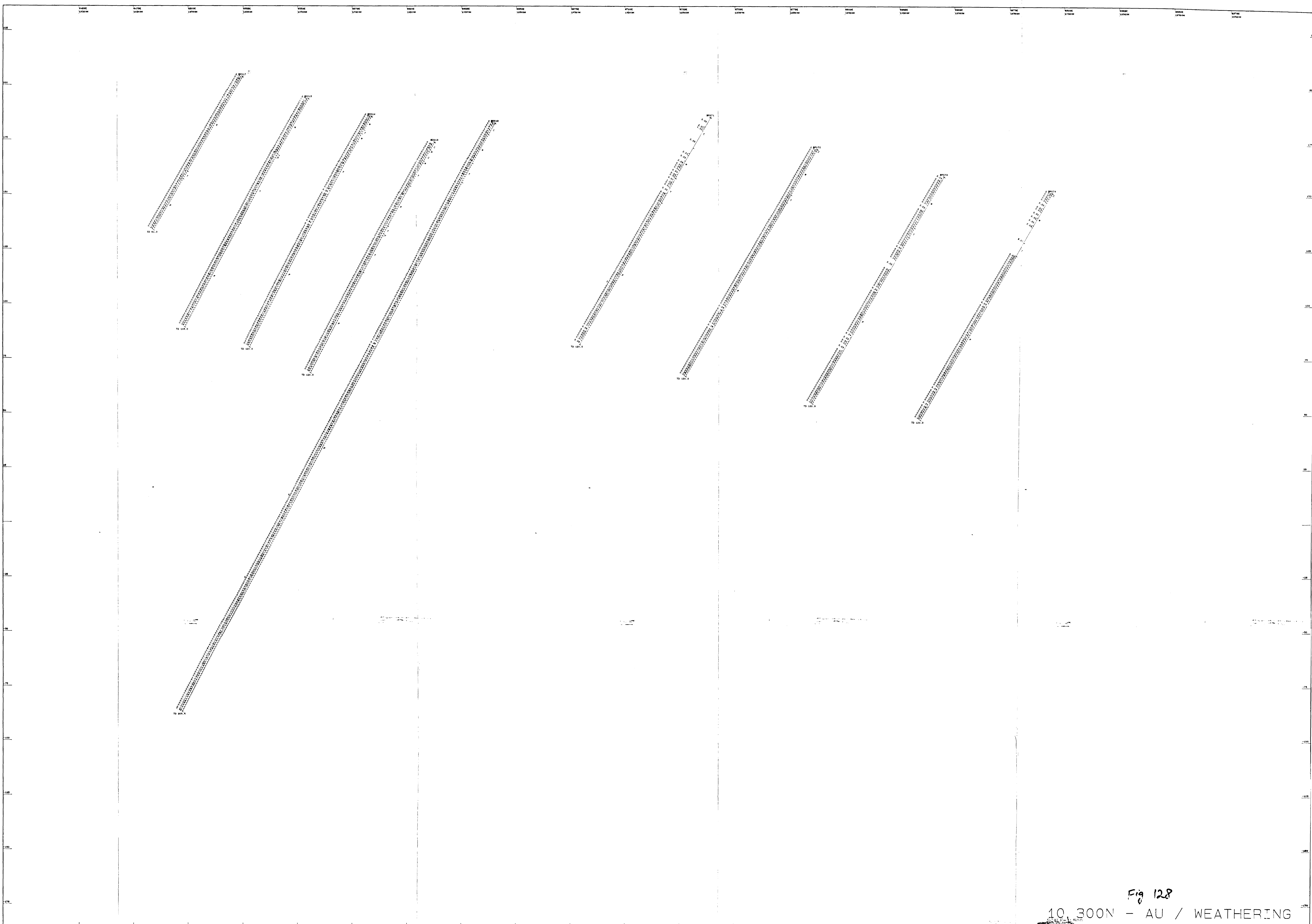


Fig 128
10,300N - AU / WEATHERING
CR 901348 AB

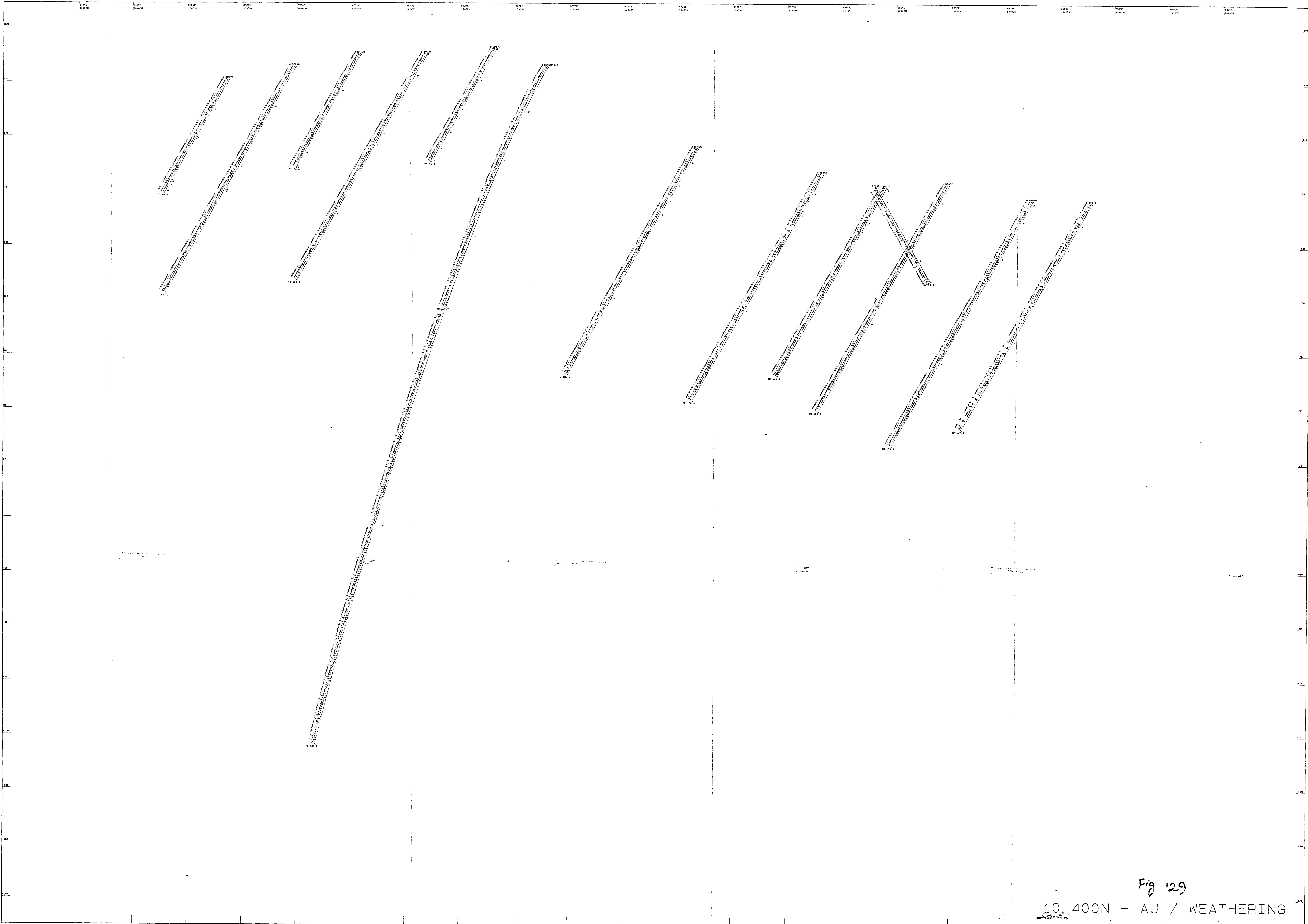


Fig 129

10.400N - AU / WEATHERING

CR 991348 AB

Appendix VI C
DRILLING SECTIONS
Batman Sections 10500N - 11000N

CR90/348AC

APPENDIX VI - DRILL SECTIONS

LIST OF CONTENTS

<u>APPENDIX VI C</u>	<u>Title</u>				<u>Scale:</u>
Fig 130	Mt Todd JV	Batman	Au/Weathering	10500N✓	1: 500
131	Mt Todd JV	Batman	Au/Weathering	10600N✓	1: 500
132	Mt Todd JV	Batman	Au/Weathering	10700N✓	1: 500
133	Mt Todd JV	Batman	Au/Weathering	10700N✓	1: 500
134	Mt Todd JV	Batman	Au/Weathering	10750N✓	1: 500
135	Mt Todd JV	Batman	Au/Weathering	10750N (MISSING, 28/4/04)	1: 500
136	Mt Todd JV	Batman	Au/Weathering	10800N✓	1: 500
137	Mt Todd JV	Batman	Au/Weathering	10850N✓	1: 500
138	Mt Todd JV	Batman	Au/Weathering	10900N✓	1: 500
139	Mt Todd JV	Batman	Au/Weathering	11000N✓	1: 500

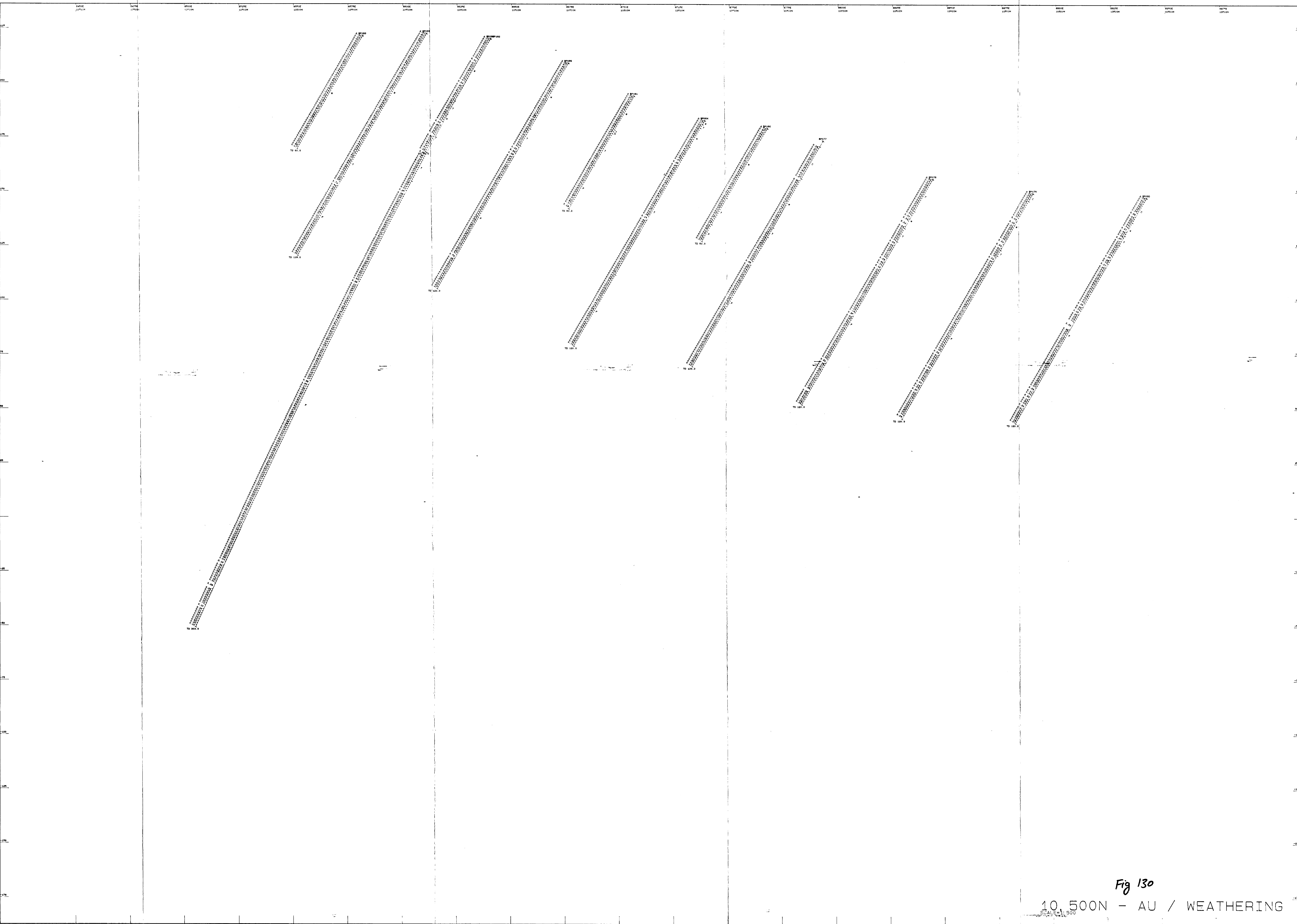


Fig 130
10,500N - AU / WEATHERING
SCALE 1:500
CR 901348 AC

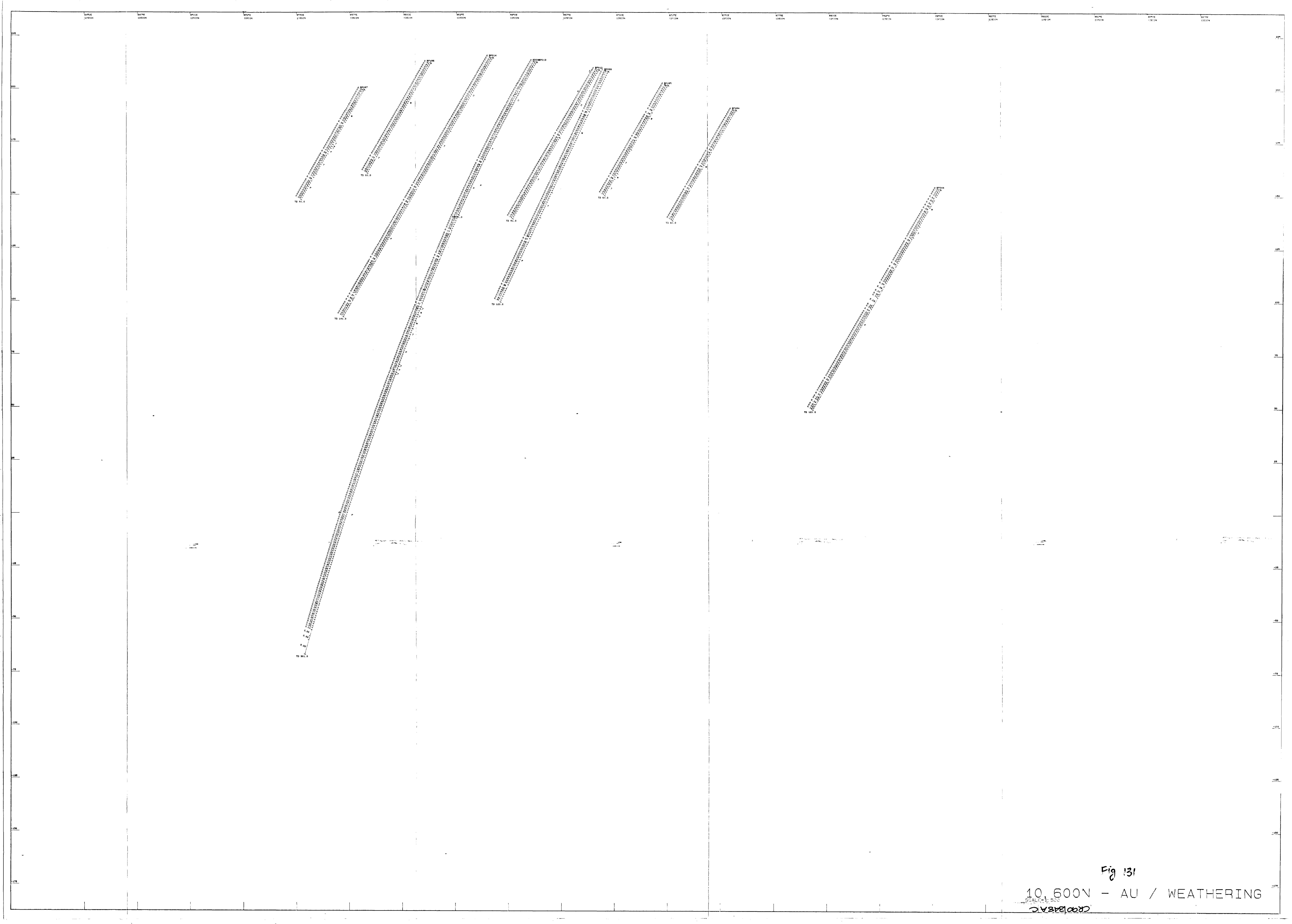
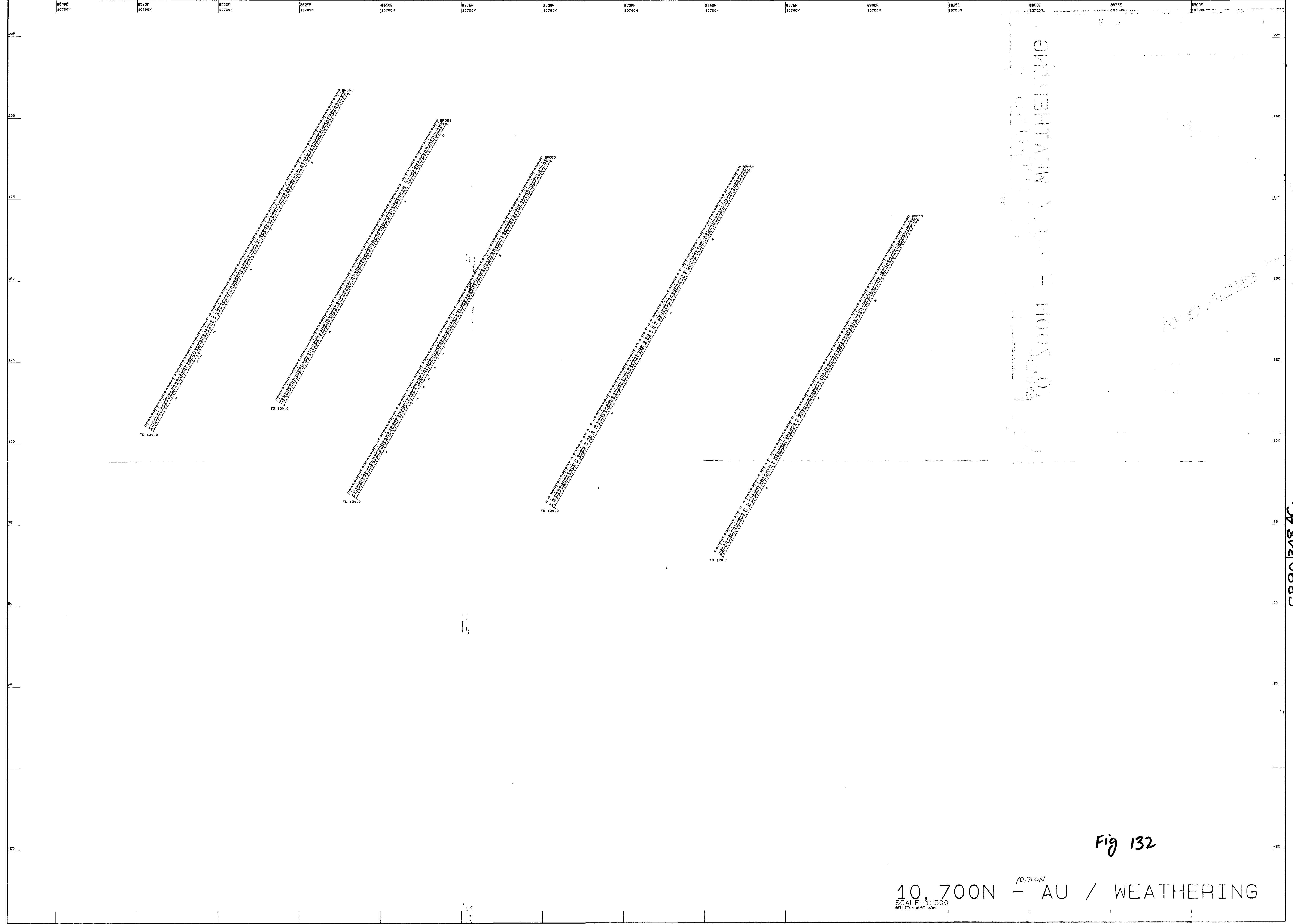


Fig 131
10,600N - AU / WEATHERING
SCALE 1:500
CROBARSAC



10,700N = 10,700N

Fig 132

10,700N - AU / WEATHERING

CR901348 AC

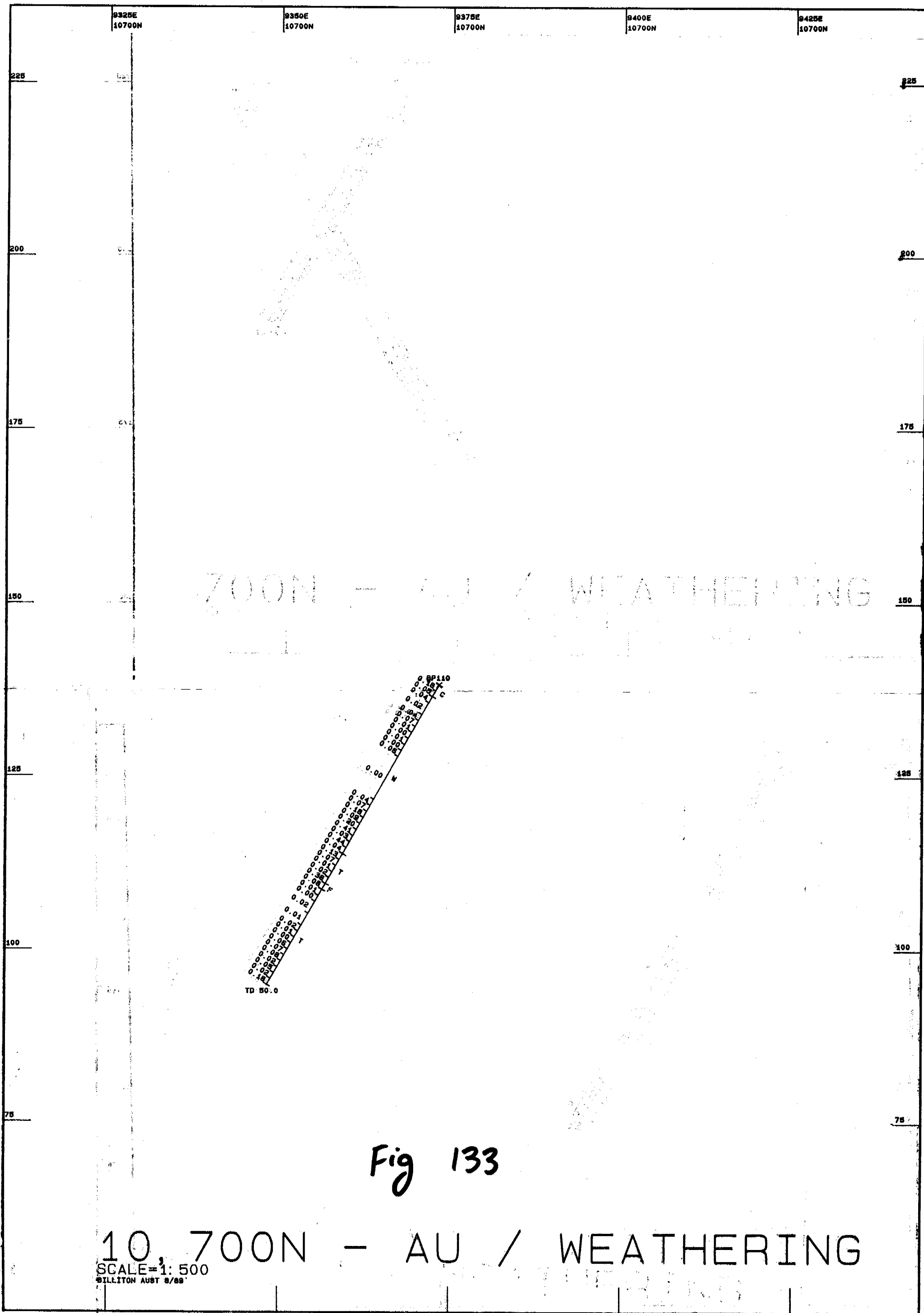


Fig 133

10, 700N - AU / WEATHERING

SCALE=1:500
8/89

CR90/348 AC

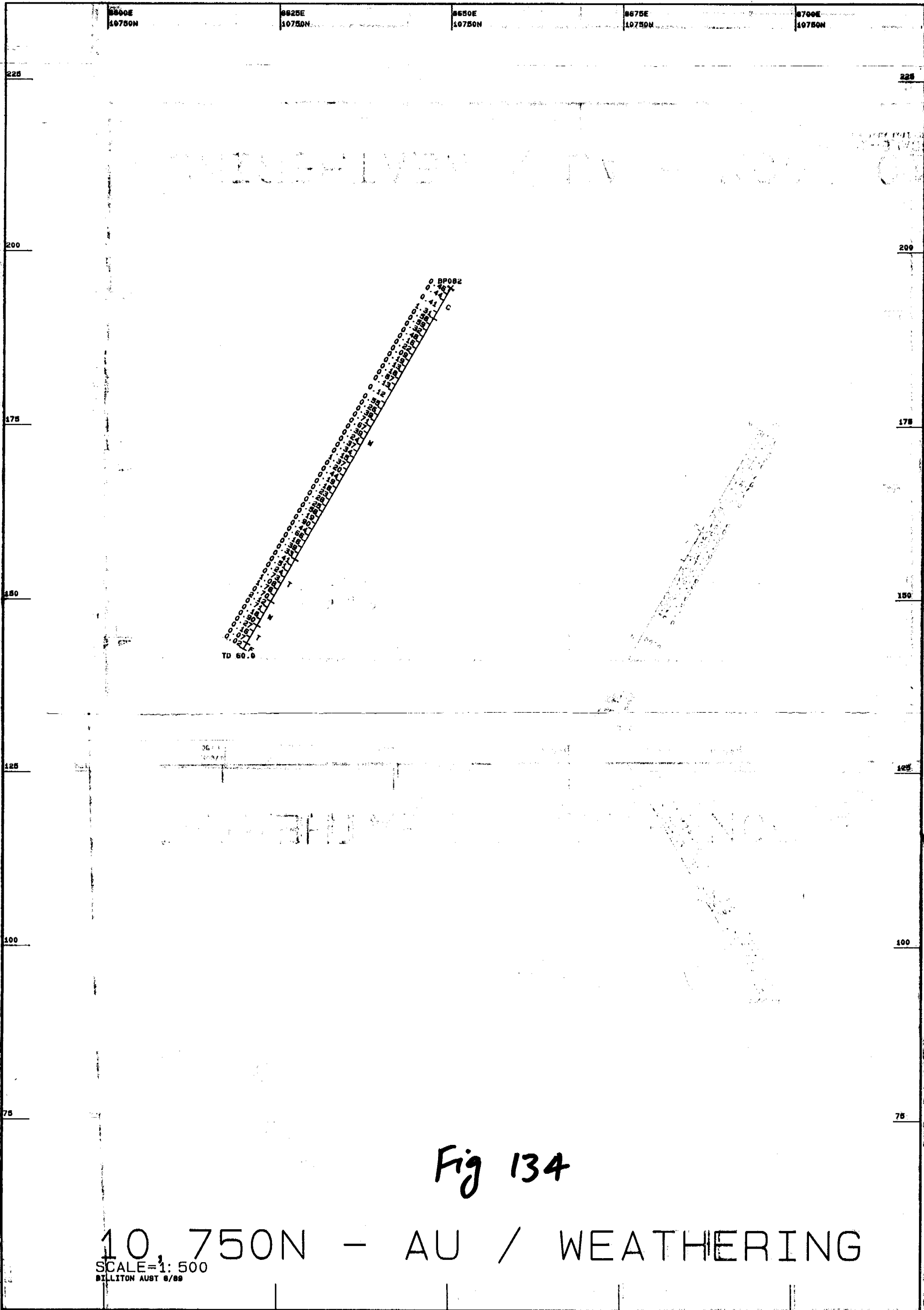


Fig 134

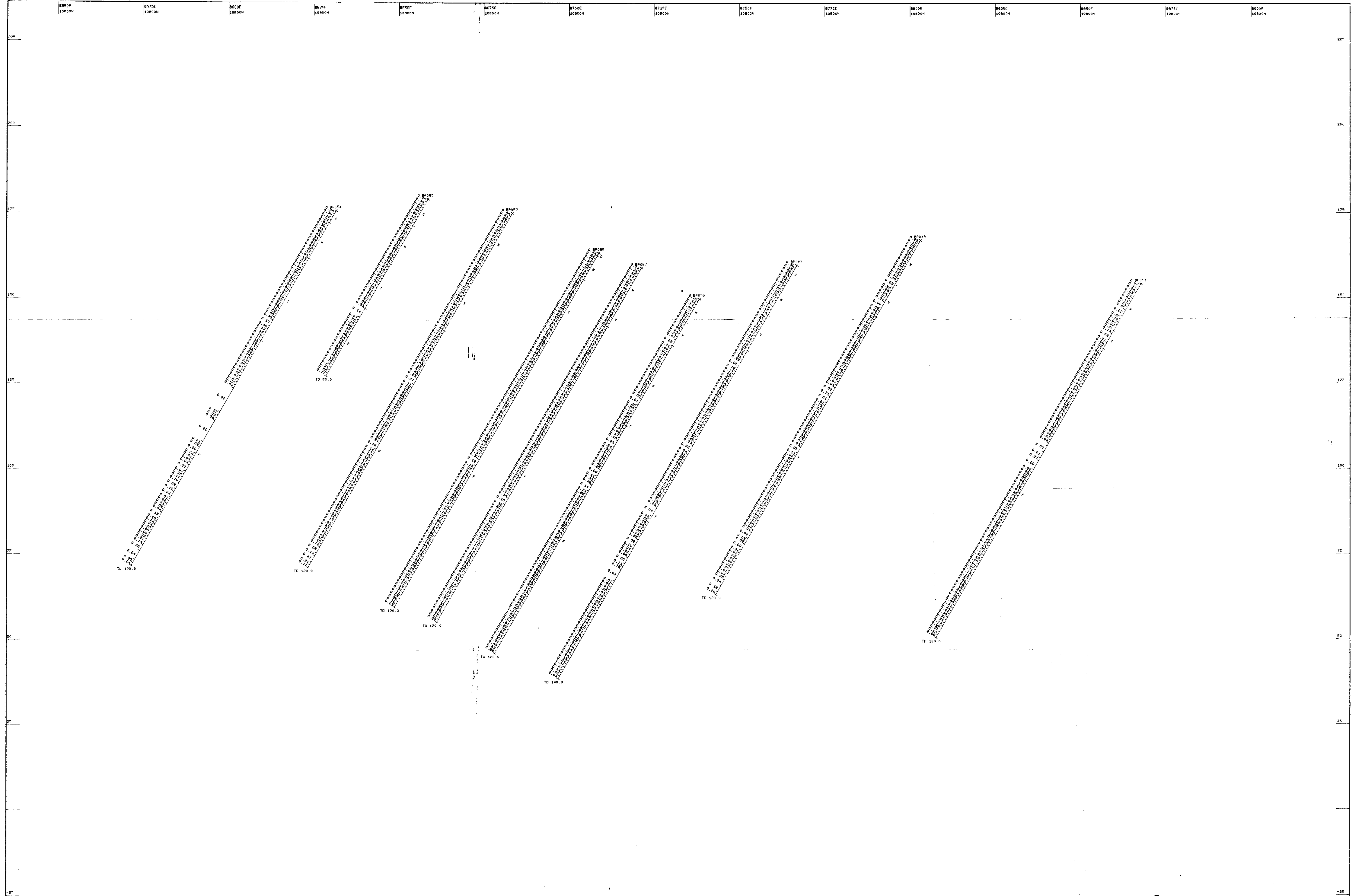


Fig 136

10,800N - AU / WEATHERING
SCALE=1:500
BILLITON AUST 8/82
090348AC

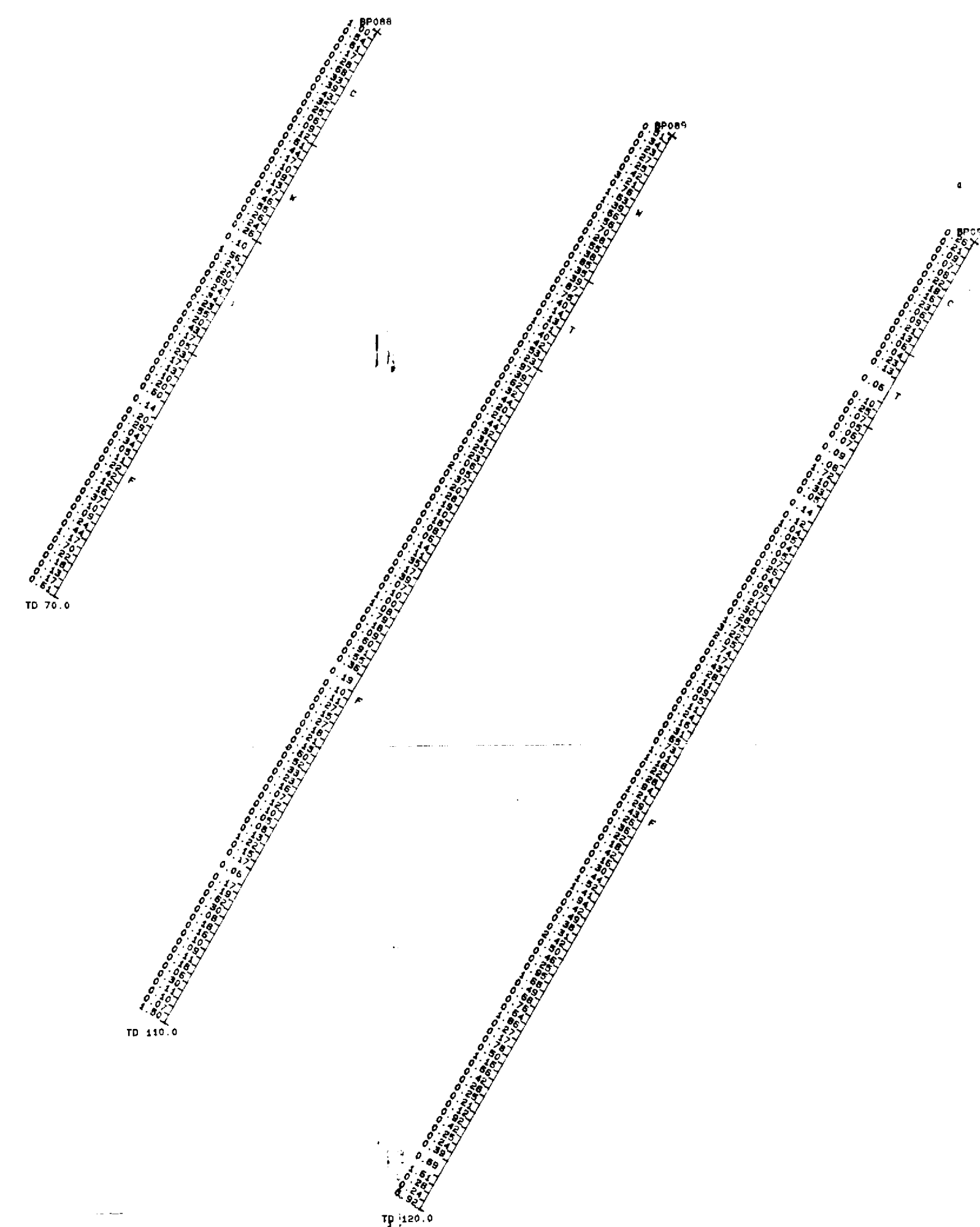


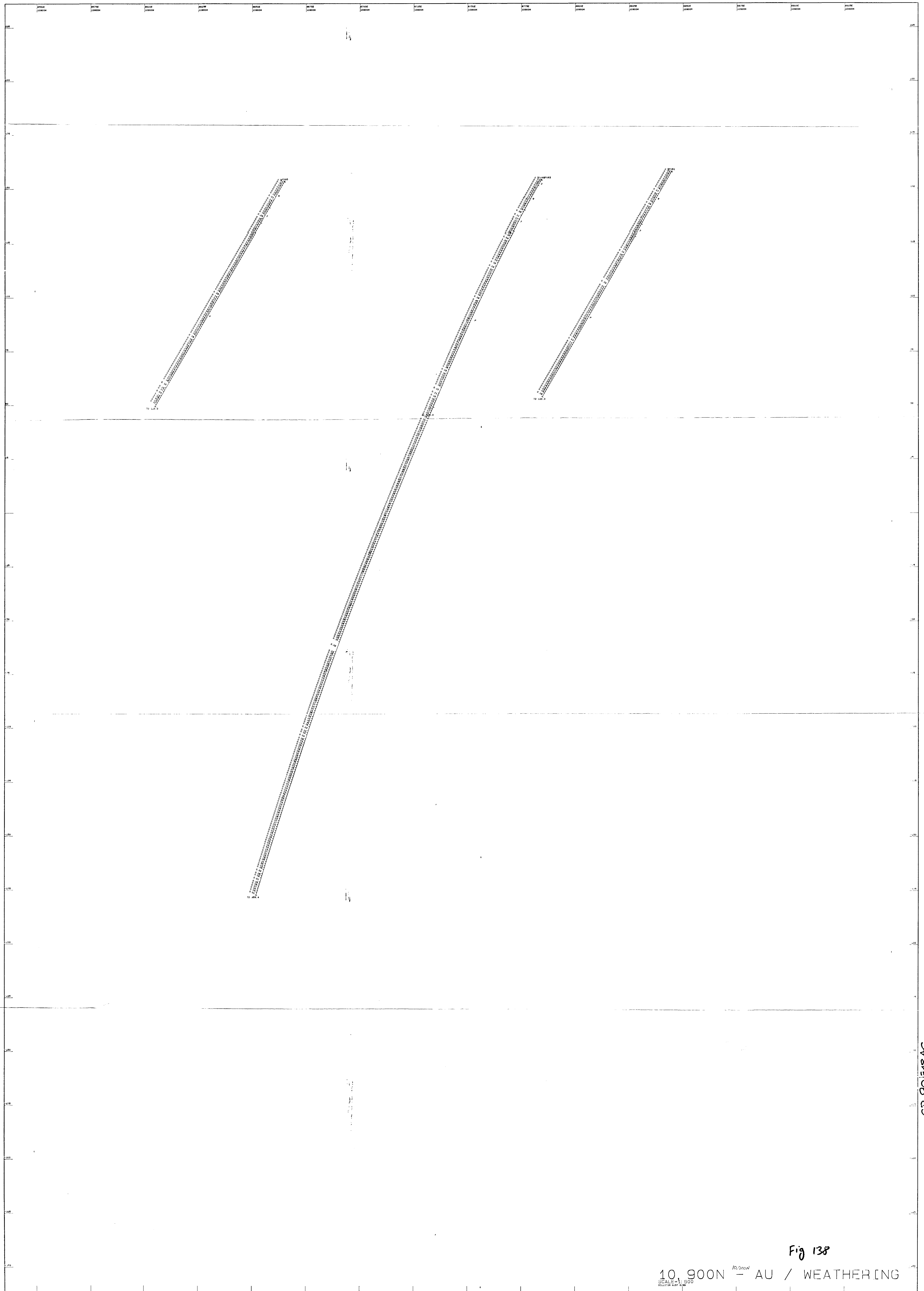
Fig 137

10,850N - AU / WEATHERING

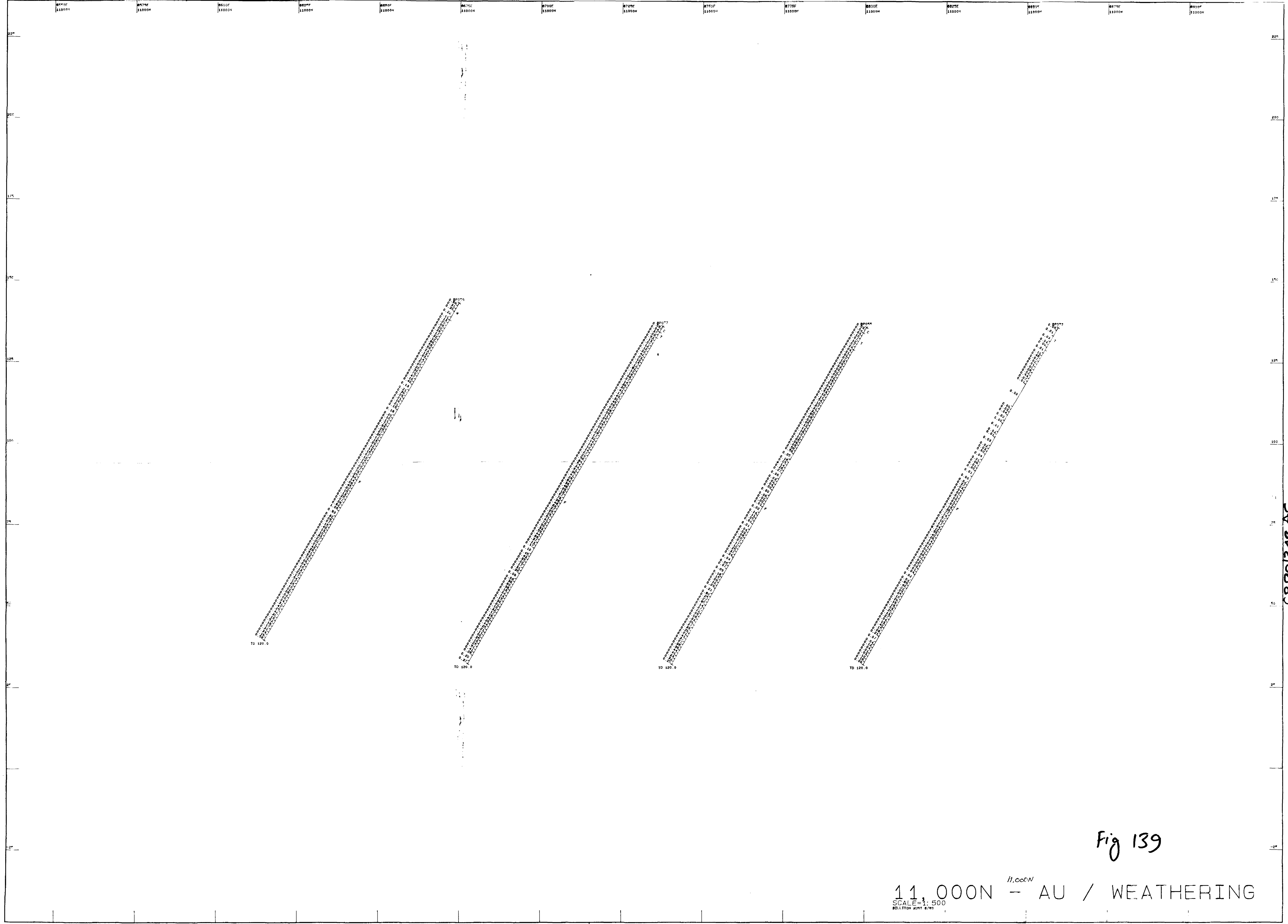
SCALE=1: 50
BY T. J. H. AUST 8/88

SCALE=1:
NOTATION: DIST. 1/2

CR90/348 AC



CR 90138AC



CR 90/348 AC

Fig 139

11,000N - AU / WEATHERING
SCALE=1:500
BELLTON AINT 8/92

Appendix VI D
DRILLING SECTIONS
Batman Infill Drilling 10000N - 10170N
Grade Control Drilling

CR 90 / 348 AD

APPENDIX VI - DRILL SECTIONS

LIST OF CONTENTS

APPENDIX VI D

Title

Scale:

Fig 140	Mt Todd JV	Batman Infill Drilling Location Plan	1:1000
141	Mt Todd JV	Batman Infill Drilling Gold Grades 10000N✓	1: 500
142	Mt Todd JV	Batman Infill Drilling Gold Grades 10025N✓	1: 500
143	Mt Todd JV	Batman Infill Drilling Gold Grades 10040N✓	1: 500
144	Mt Todd JV	Batman Infill Drilling Gold Grades 10050N✓	1: 500
145	Mt Todd JV	Batman Infill Drilling Gold Grades 10070N✓	1: 500
146	Mt Todd JV	Batman Infill Drilling Gold Grades 10080N✓	1: 500
147	Mt Todd JV	Batman Infill Drilling Gold Grades 10100N✓	1: 500
148	Mt Todd JV	Batman Infill Drilling Gold Grades 10135N✓	1: 500
149	Mt Todd JV	Batman Infill Drilling Gold Grades 10170N✓	1: 500
150	Mt Todd JV	Batman Grade Control Drilling Location Plan✓	1: 200
151	Mt Todd JV	Batman Grade Control 1✓	1: 200
152	Mt Todd JV	Batman Grade Control 2✓	1: 200
153	Mt Todd JV	Batman Grade Control 3✓	1: 200
154	Mt Todd JV	Batman Grade Control 4 (MISSING 28/01/04)	1: 200

CR 901348 AD

INFILL DRILLING LOCATION PLAN
SCALE=1:1000
BULLION AUST (A) 682



8500E
100000

3P11E

BP 124

BP143

TP 80.0

TP 93.2

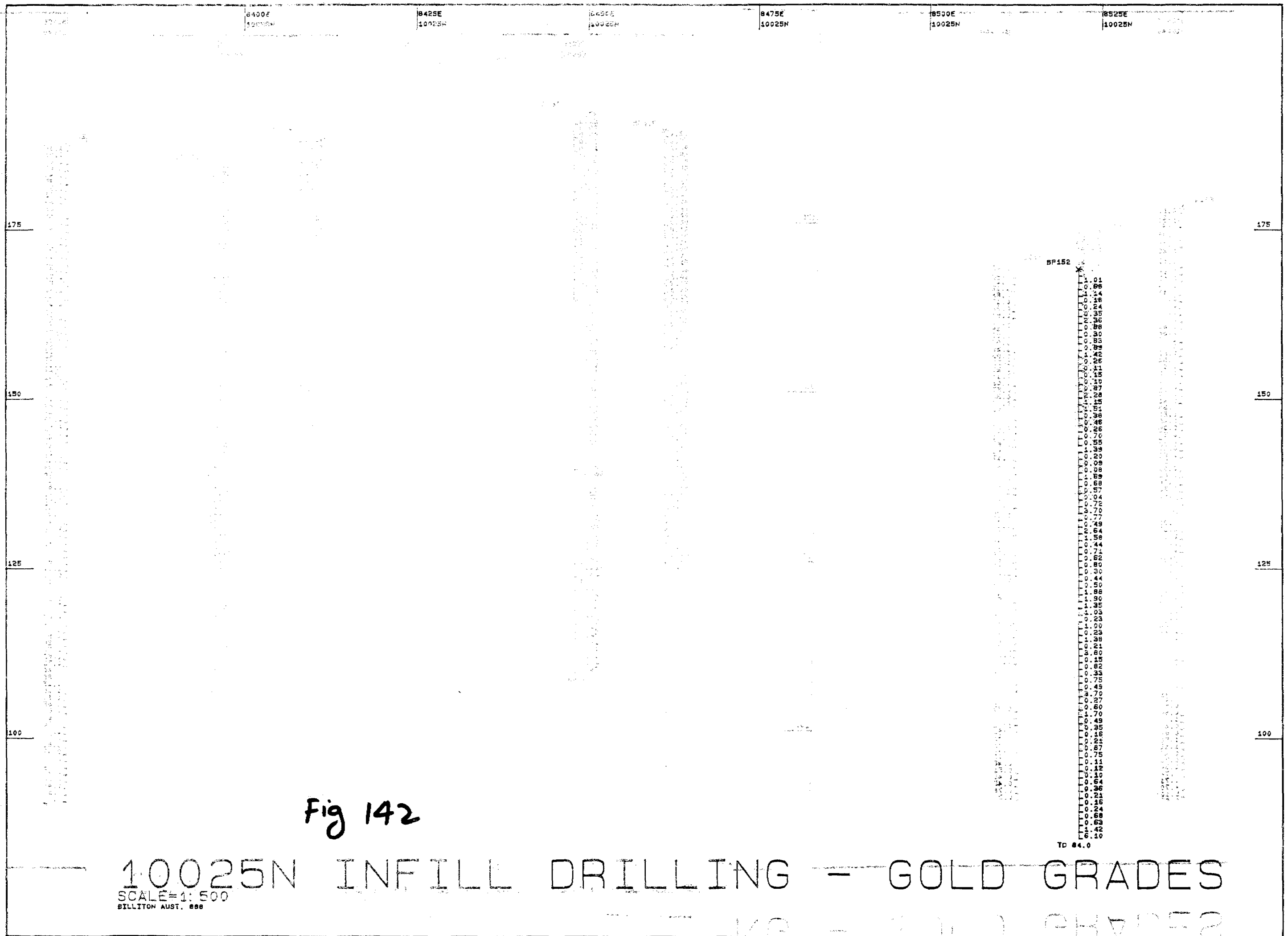
TO 94.0

100-441100-100

10000N INFILL DRILLING - GOLD GRADES

40 - 6011 CD/L-2

10 48'0



10525



10040N
SCALE=1:500
BILLION AUST. 888

INFILL DRILLING - GOLD GRADES

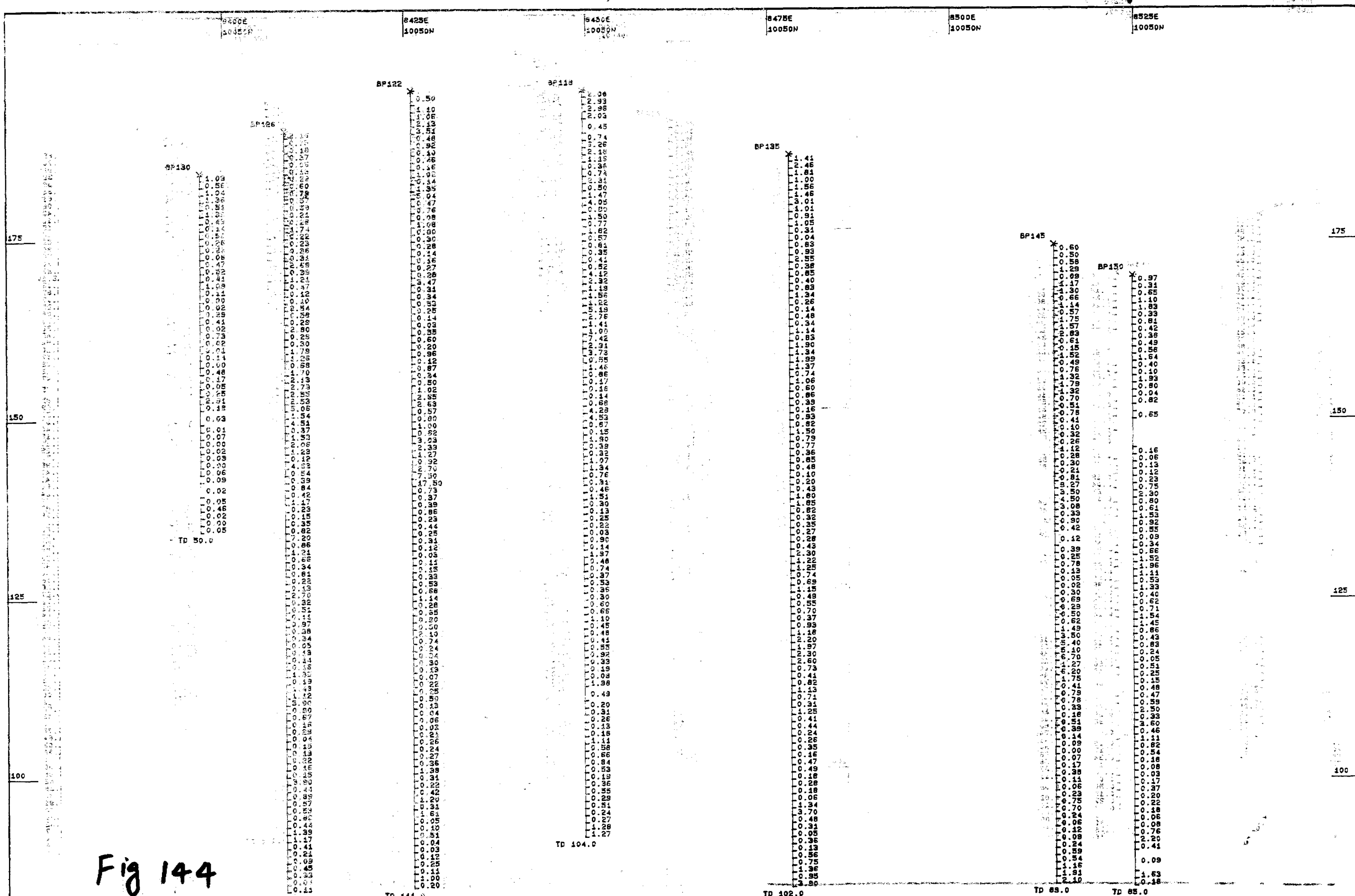


Fig 144

10050N
SCALE=1:500
BILLITON AUST. 888

INFILL DRILLING - GOLD GRADES

CR901348 AD

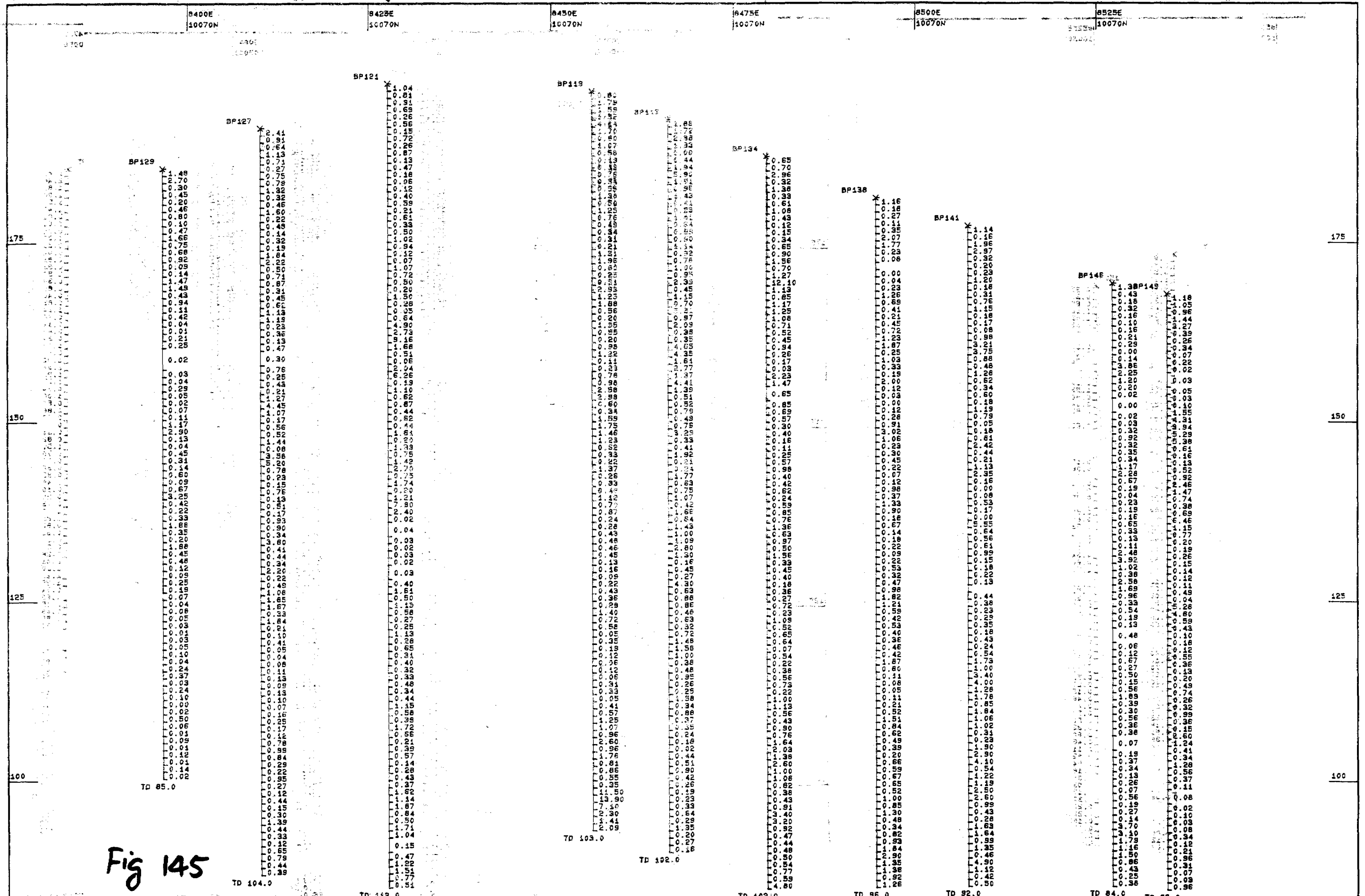


Fig 145

10070N
SCALE=1:500
BILLITON AUST. 888

INFILL DRILLING - GOLD GRADES

ME - GOLD GRADES

CR 90/348 AD

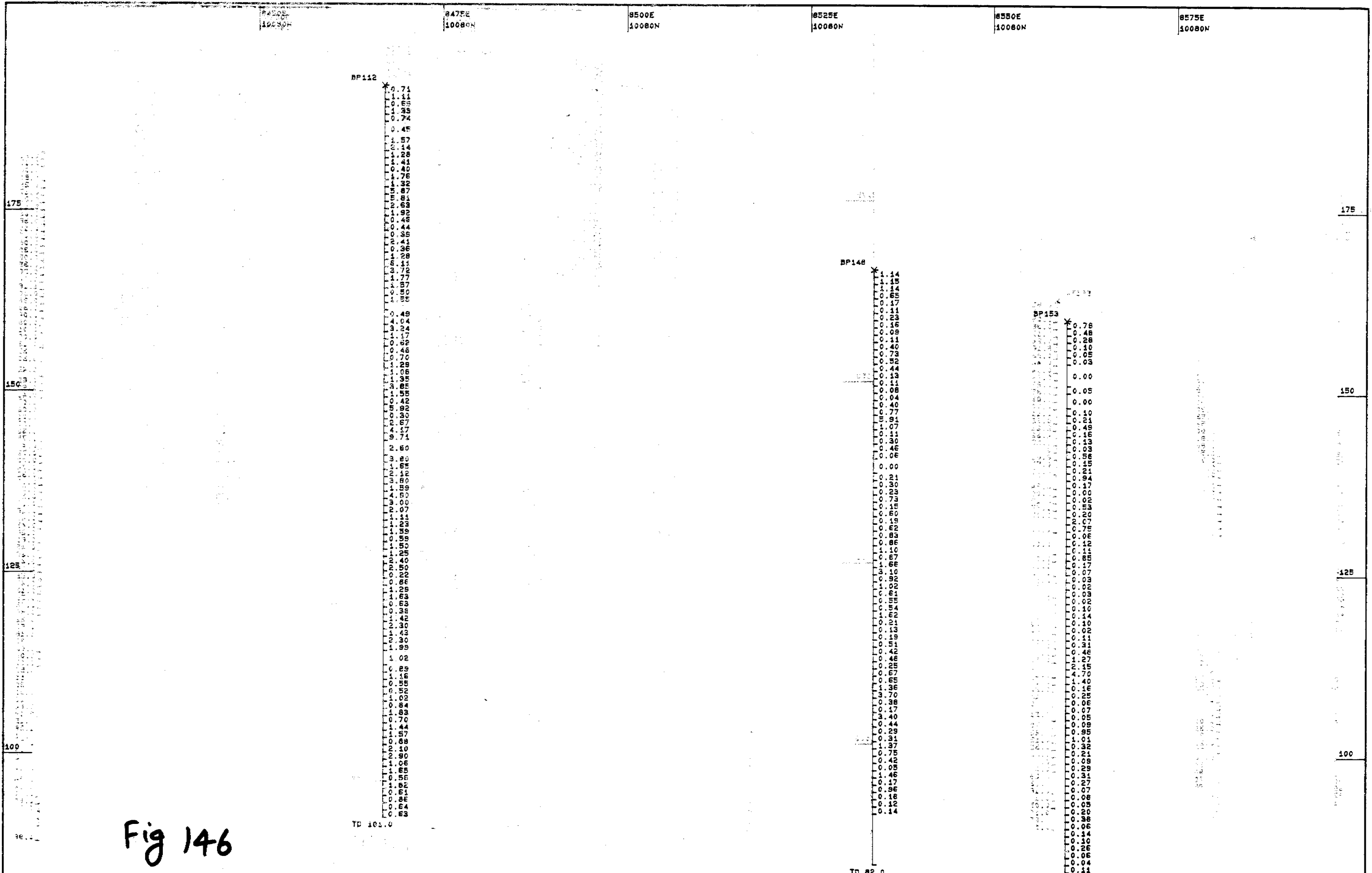


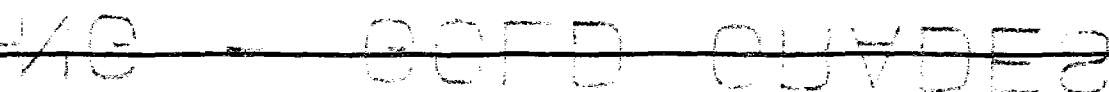
Fig 146

10080N INFILL DRILLING - GOLD GRADES

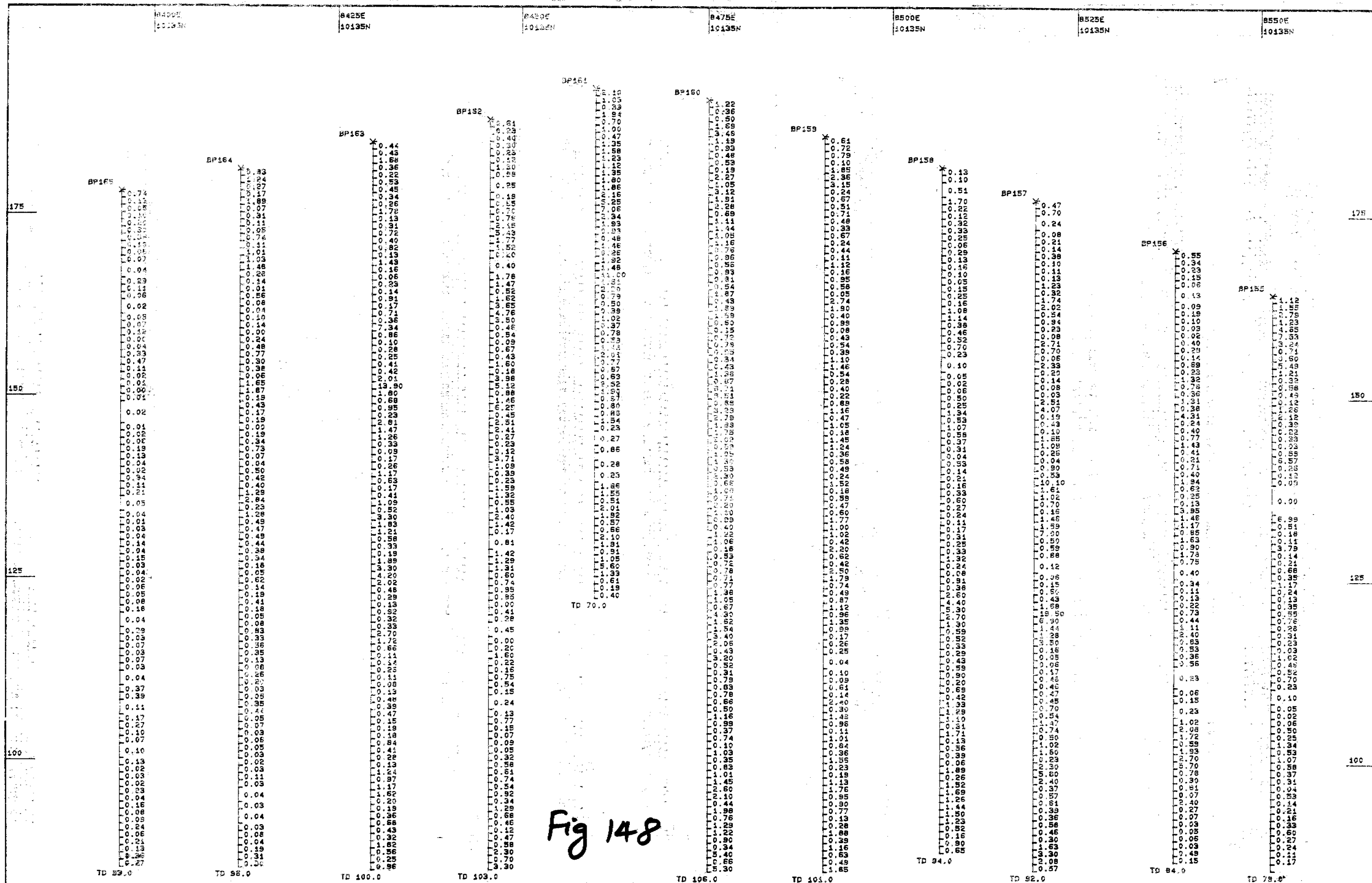
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STILLITON AUST. 888

10080N INFILL DRILLING - GOLD GRADES

8550E
10100N

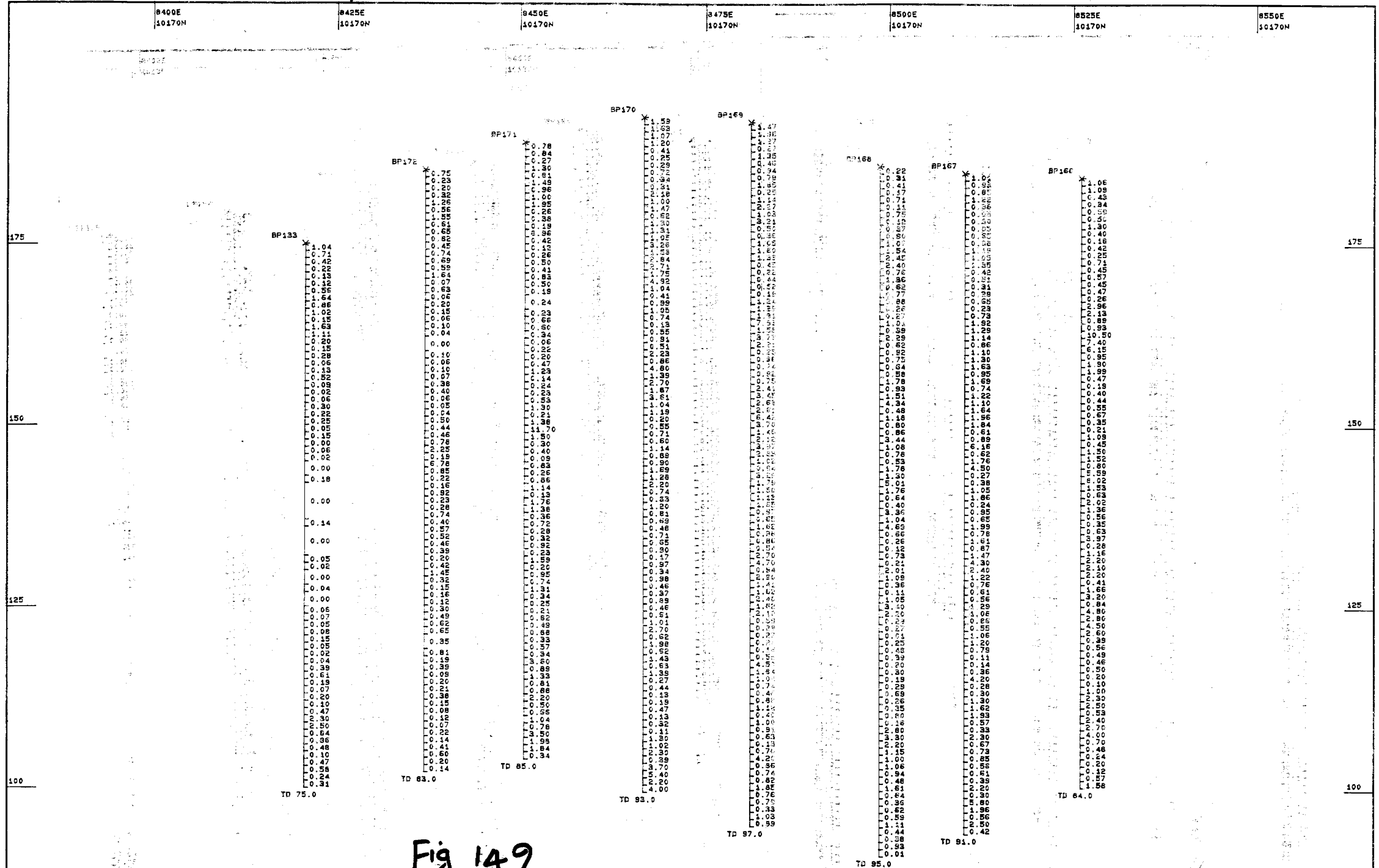


CR 90/348 AD



10135N INFILL DRILLING - GOLD GRADES
SCALE=1:500
BILLITON AUST. 888

CR 90/348 AD



10170N INFILL DRILLING - GOLD GRADES

SCALE = 1:500
BILLITON AUST. 888

Fig 149

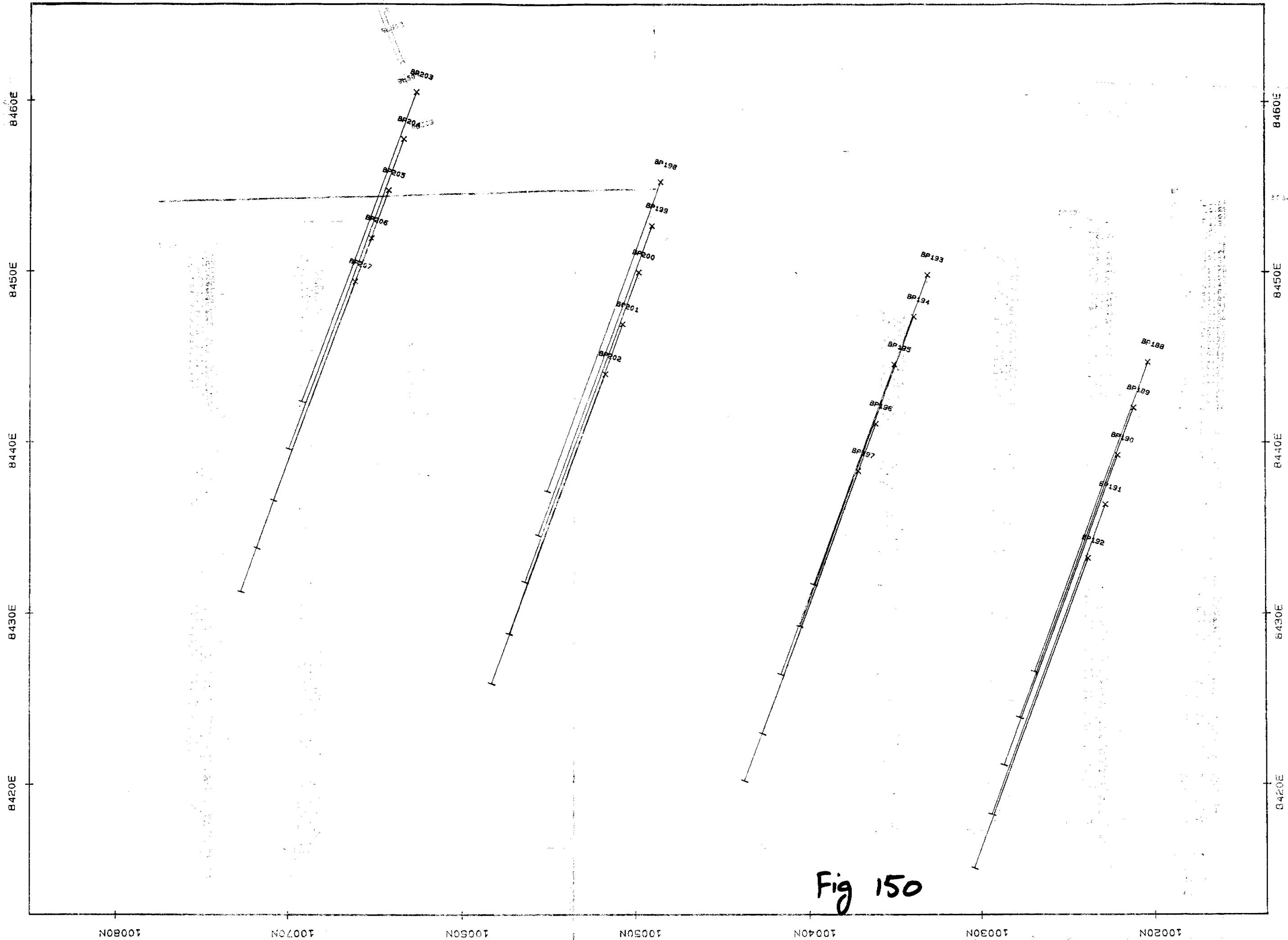


Fig 150

8420E
10044N

8430E
10040N
SCALE=1:200
FOR ADPT

8440E
10037N

8450E
10033N

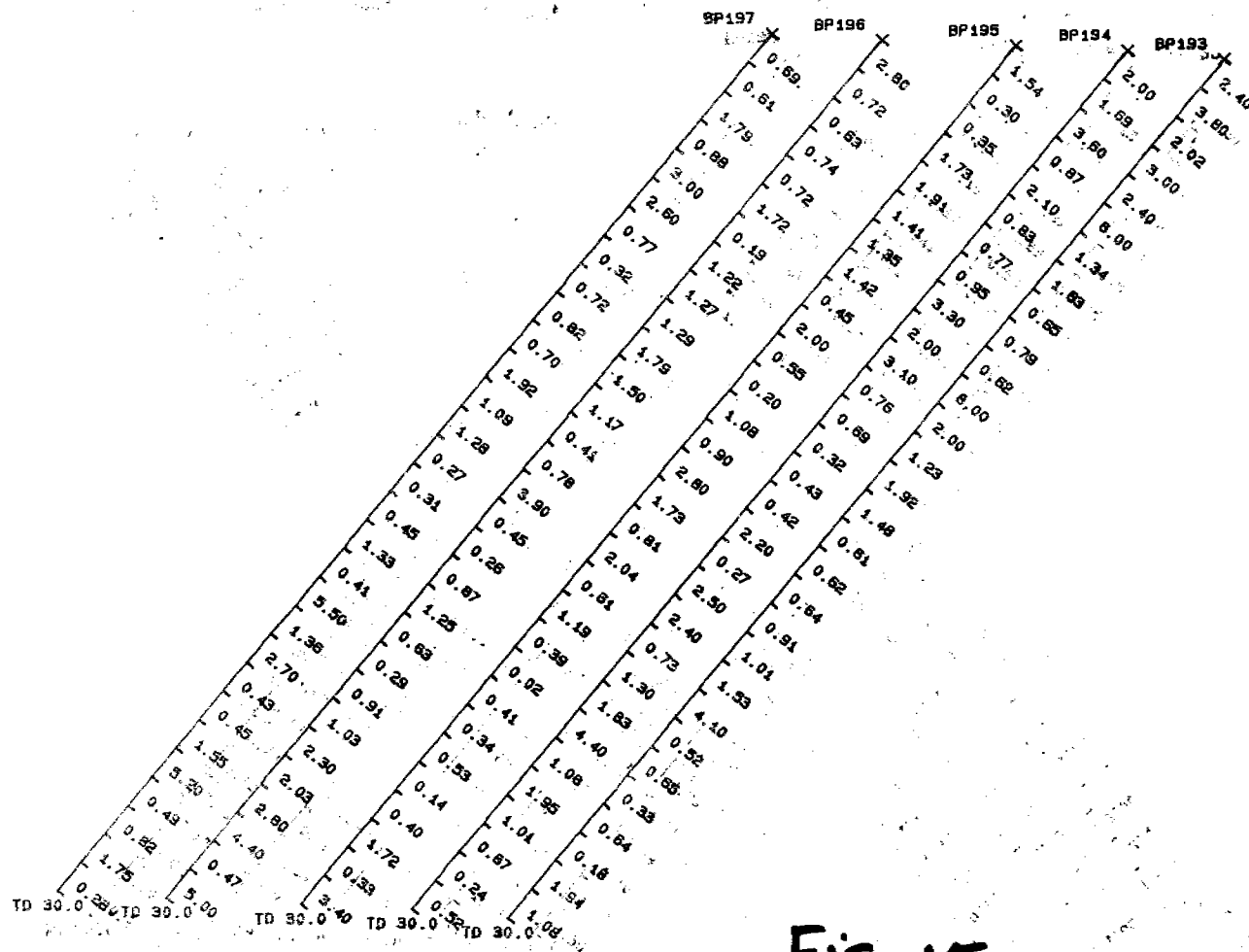


Fig 152

GRADE CONTROL 2

SCALE=1:200
BILLITON AUST. 888

8420E
10028M

8430E
10026M

8440E
10022M

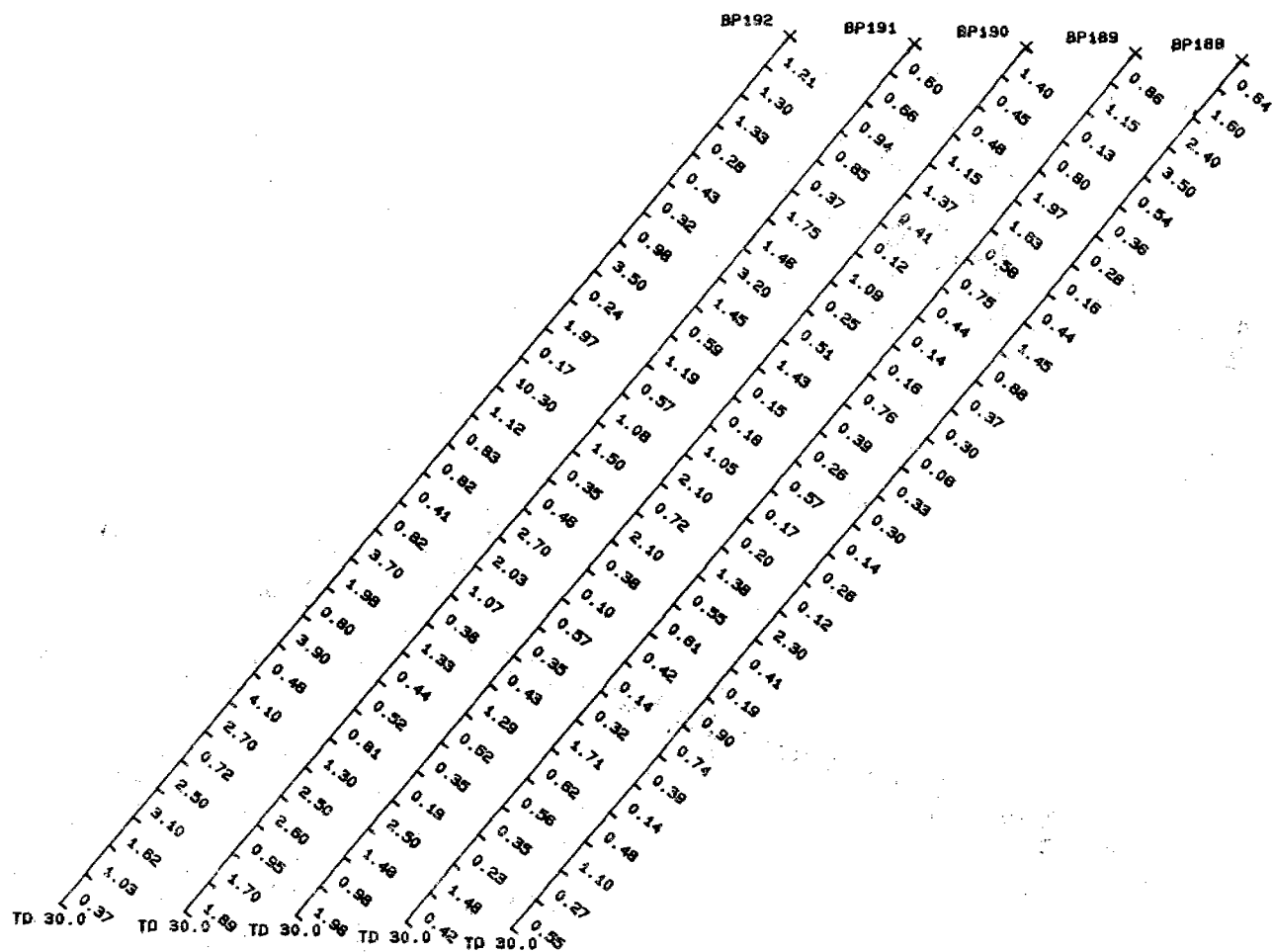


Fig 151

GRADE CONTROL 1

SCALE=1: 200

BILLITON AUST. 888

8420E

8430E

8440E

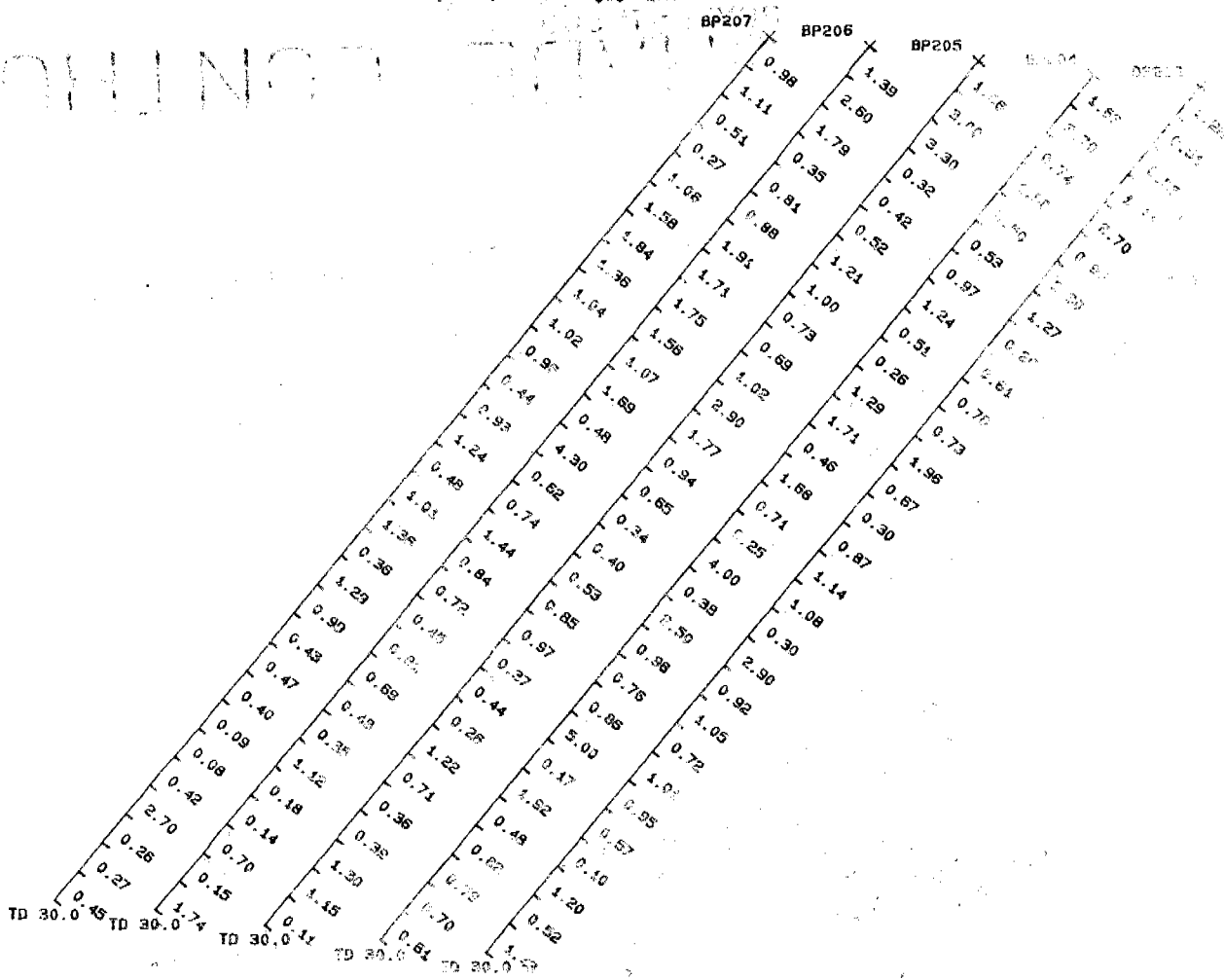
10028M

8430E
10073N

8440E
10070N

8450E
10068N

8460E
10062N



GRADE CONTROL 4

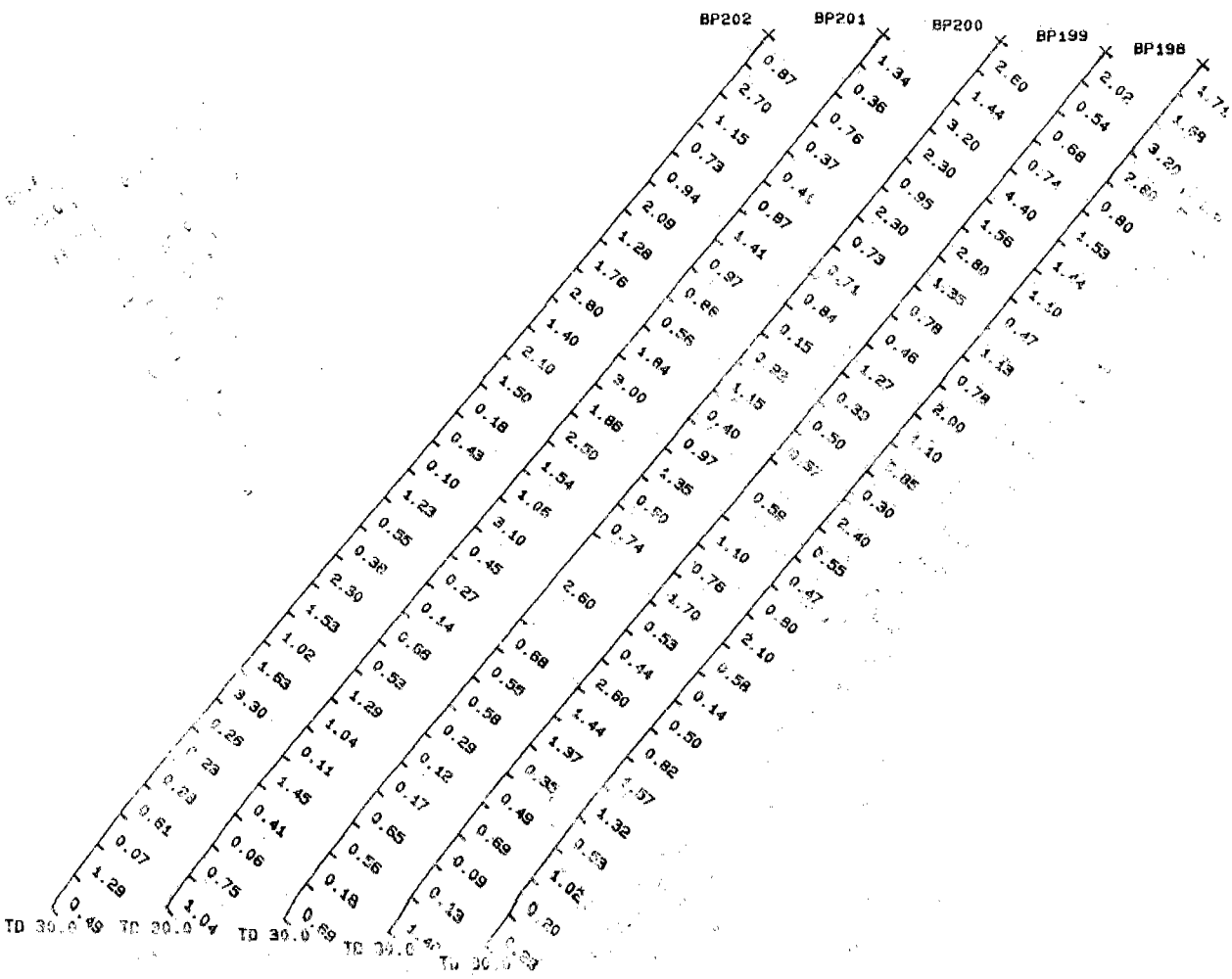
SCALE=1:200
BELLITON AUG 1968

CR90/348 AD

8430E
10057N

8440E
10053N

8450E
10050N



GRADE CONTROL 3

SCALE=1:200
BELLITON AUG 1968

Fig 153

Appendix VI E
DRILLING SECTIONS
Quigleys, Regatta, Penguin, Golf, Tollis

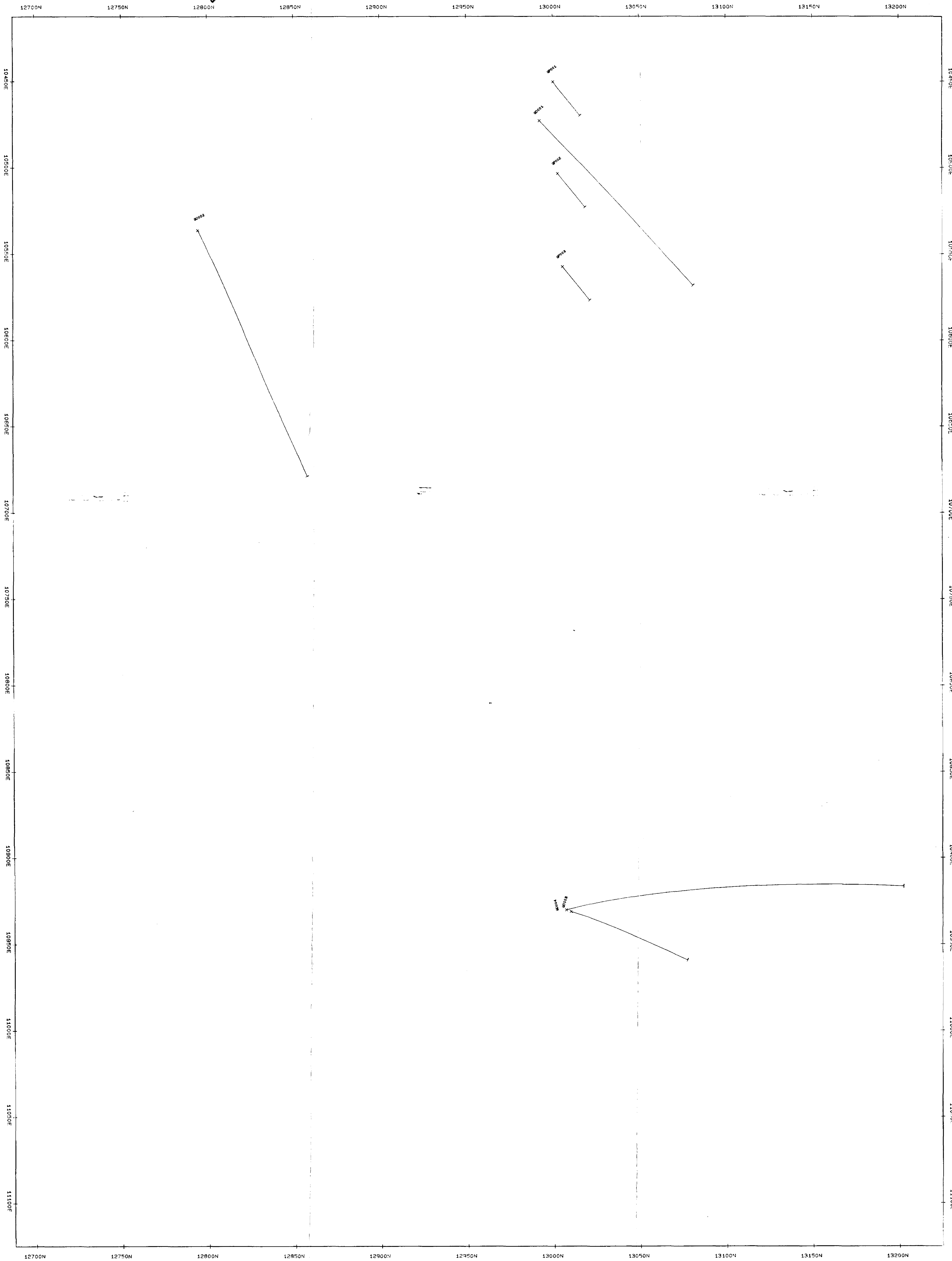
CR90/348 AE

APPENDIX VI - DRILL SECTIONS

LIST OF CONTENTS

	Title	Scale
	<u>APPENDIX VI E</u>	
Fig 155	Mt Todd JV - Quigleys Drillhole Location Plan Sheet 8/6/	1:1000
156	Mt Todd JV - Quigleys QD001 True Section ✓	1: 500
157	Mt Todd JV - Quigleys QD002 True Section ✓	1: 500
158	Mt Todd JV - Quigleys Section 10925E ✓	1: 500
159	Mt Todd JV - Regatta Drillhole Location Plan ✓	1:1000
160	Mt Todd JV - Regatta - Section 12770N ✓	1: 500
161	Mt Todd JV - Regatta - Section 12875N ✓	1: 500
162	Mt Todd JV - Regatta - Section 12945N ✓ 12945N	1: 500
163	Mt Todd JV - Penguin Drillhole Location Plan ✓	1:2000
164	Mt Todd JV - Penguin PP001 True Section ✓	1: 500
165	Mt Todd JV - Penguin PP002 True Section ✓	1: 500
166	Mt Todd JV - Penguin PP003 True Section ✓	1: 500
167	Mt Todd JV - Penguin PP004 True Section ✓	1: 500
168	Mt Todd JV - Penguin PP005 True Section ✓	1: 500
169	Mt Todd JV - Penguin PP006 True Section ✓	1: 500
170	Mt Todd JV - Penguin PP007 True Section ✓	1: 500
171	Mt Todd JV - Penguin PP008 True Section ✓	1: 500
172	Mt Todd JV - Golf Drillhole Location Plan ✓	1: 500
173	Mt Todd JV - Golf Section 11825N Au/Weathering ✓	1: 500
174	Mt Todd JV - Golf Section 11925N Au/Weathering ✓	1: 500
175	Mt Todd JV - Golf Section 12080N Au/Weathering ✓	1: 500
176	Mt Todd JV - Tollis Drillhole Location Plan ✓	1:1000
177	Mt Todd JV - Tollis 11000N Tollis Drillholes ✓	1: 500

CR90/348 AE
Fig 155



10490E 12971N 10475E 12954N 10500E 13018N 10525E 13041N 10550E 13069N 10575E 13097N 10590E 13100N 10600E 13112N

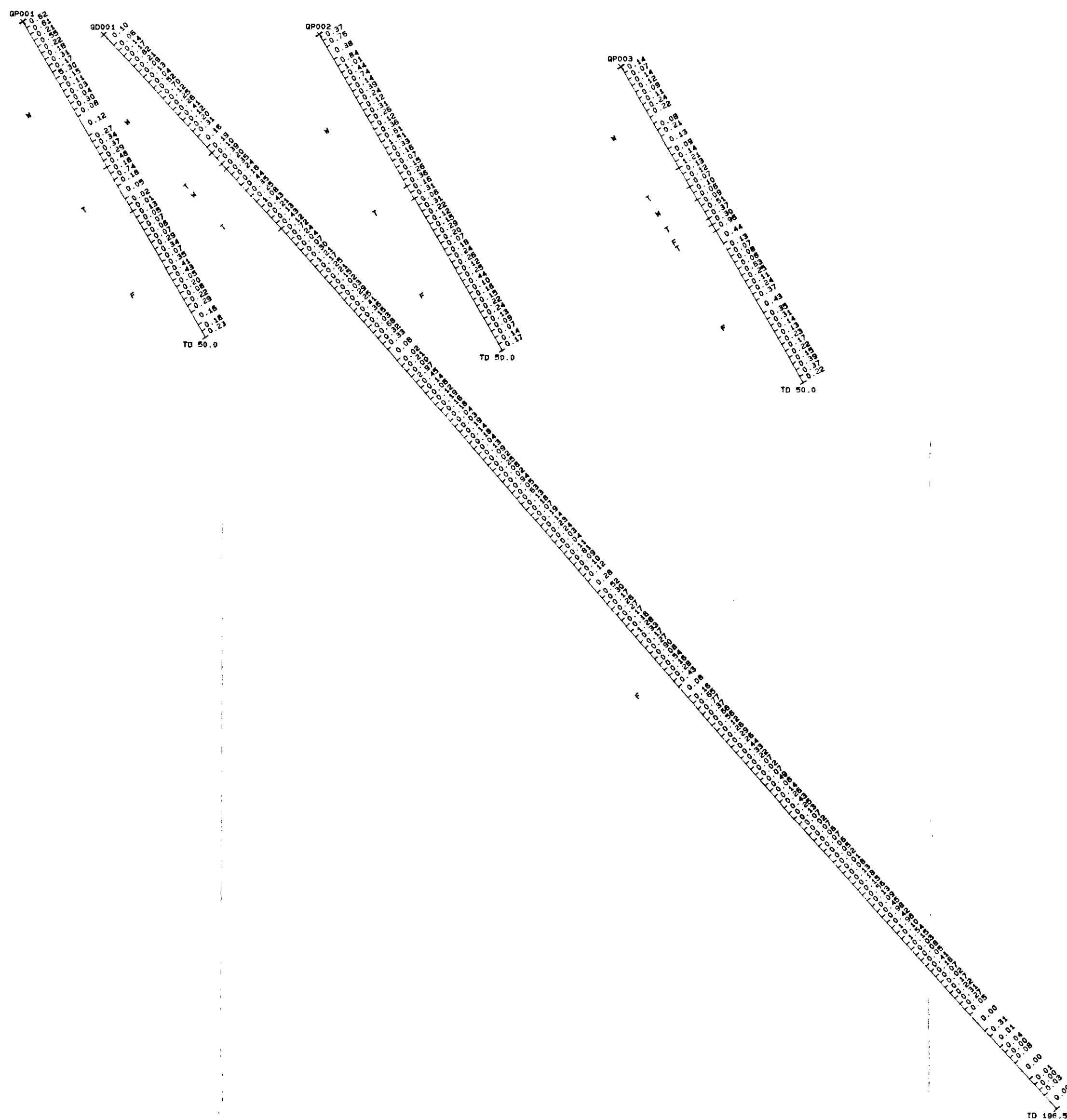
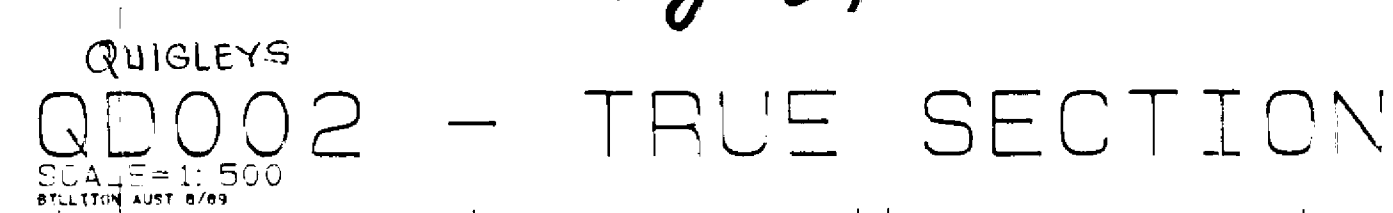


Fig 156

QUIGLEYS
QD001 - TRUE SECTION
SCALE: 1:500
STILLTON HURT 8/89

CR 901348 AE



CR 90/348AE



Fig 158

OWIGLEYS CR 90/348AE

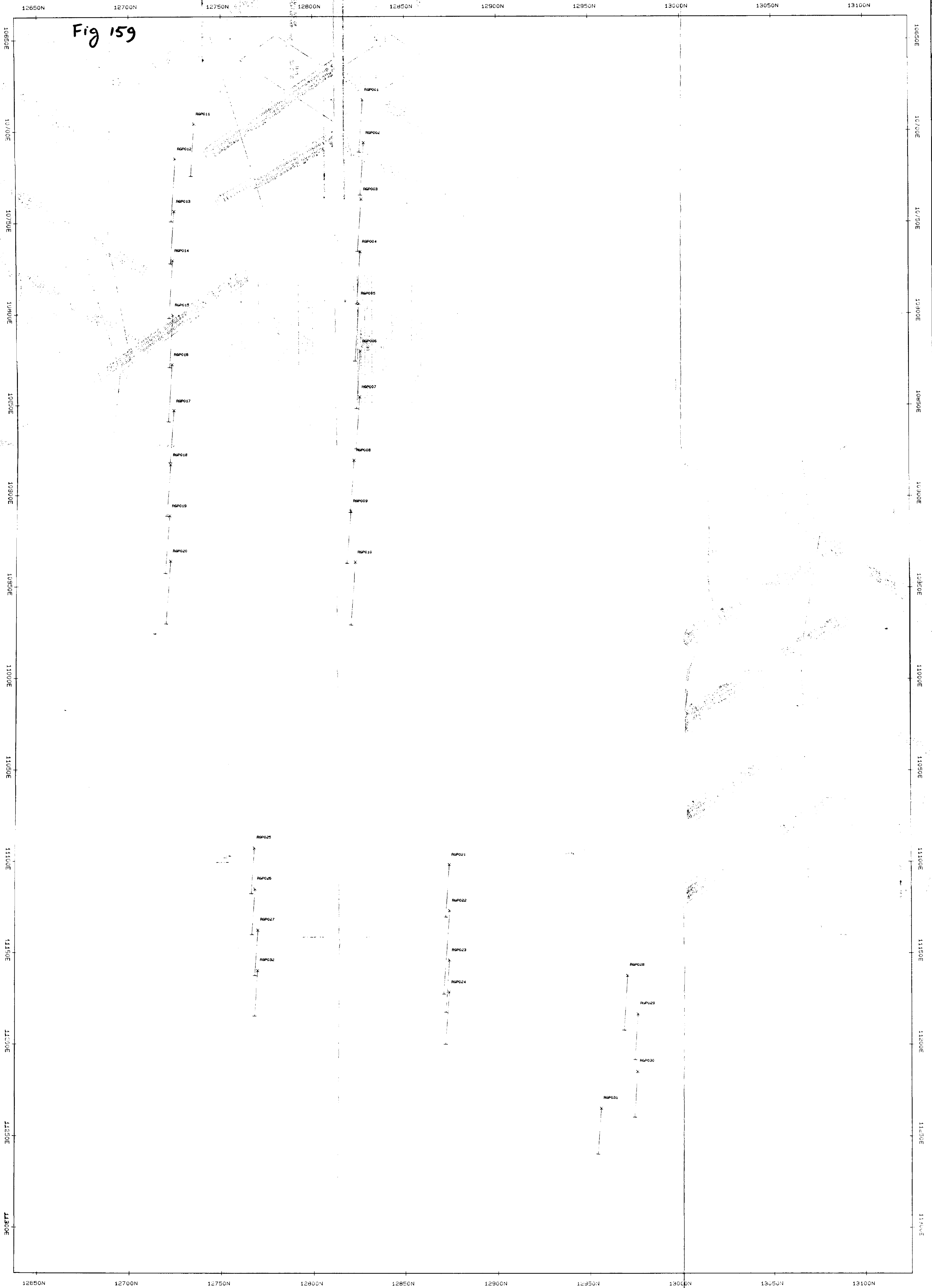
SECTION 10925E

SCALE=1: 500
BILLION AUST 6/89

SCALE=1: 500
BILLION AUST 6/89

CR 90/348AE

Fig 159



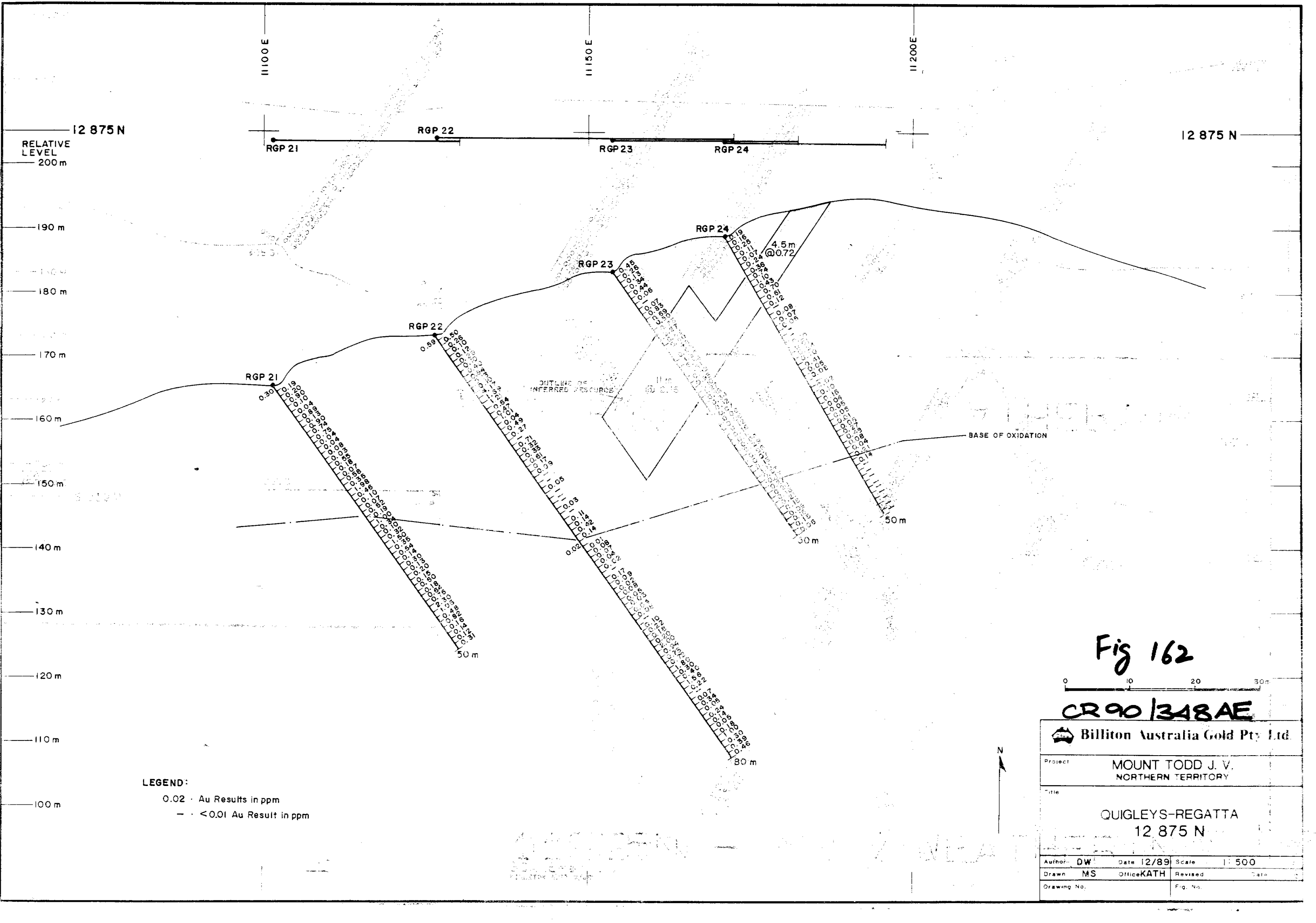


Fig 162

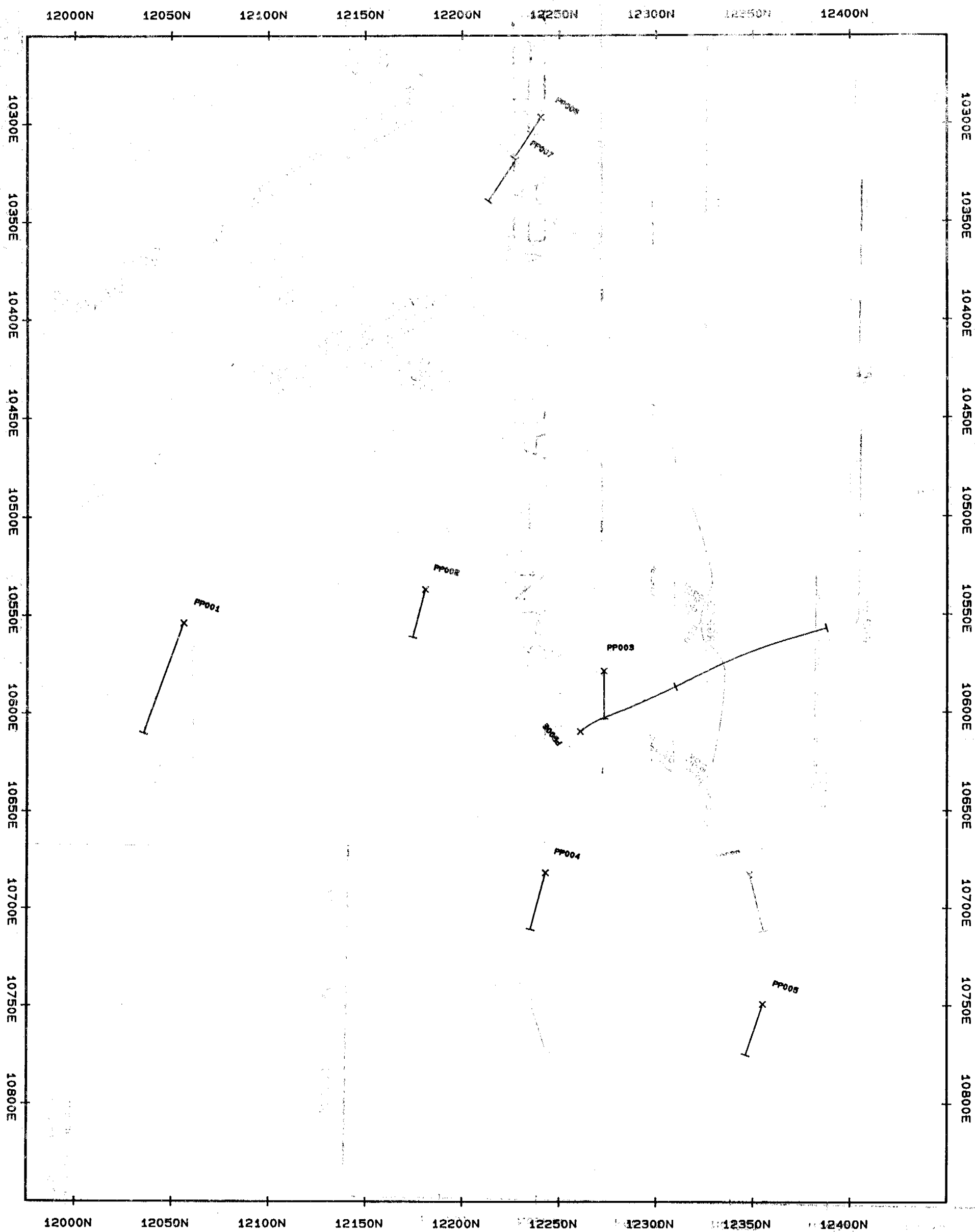
CR 90/348AE

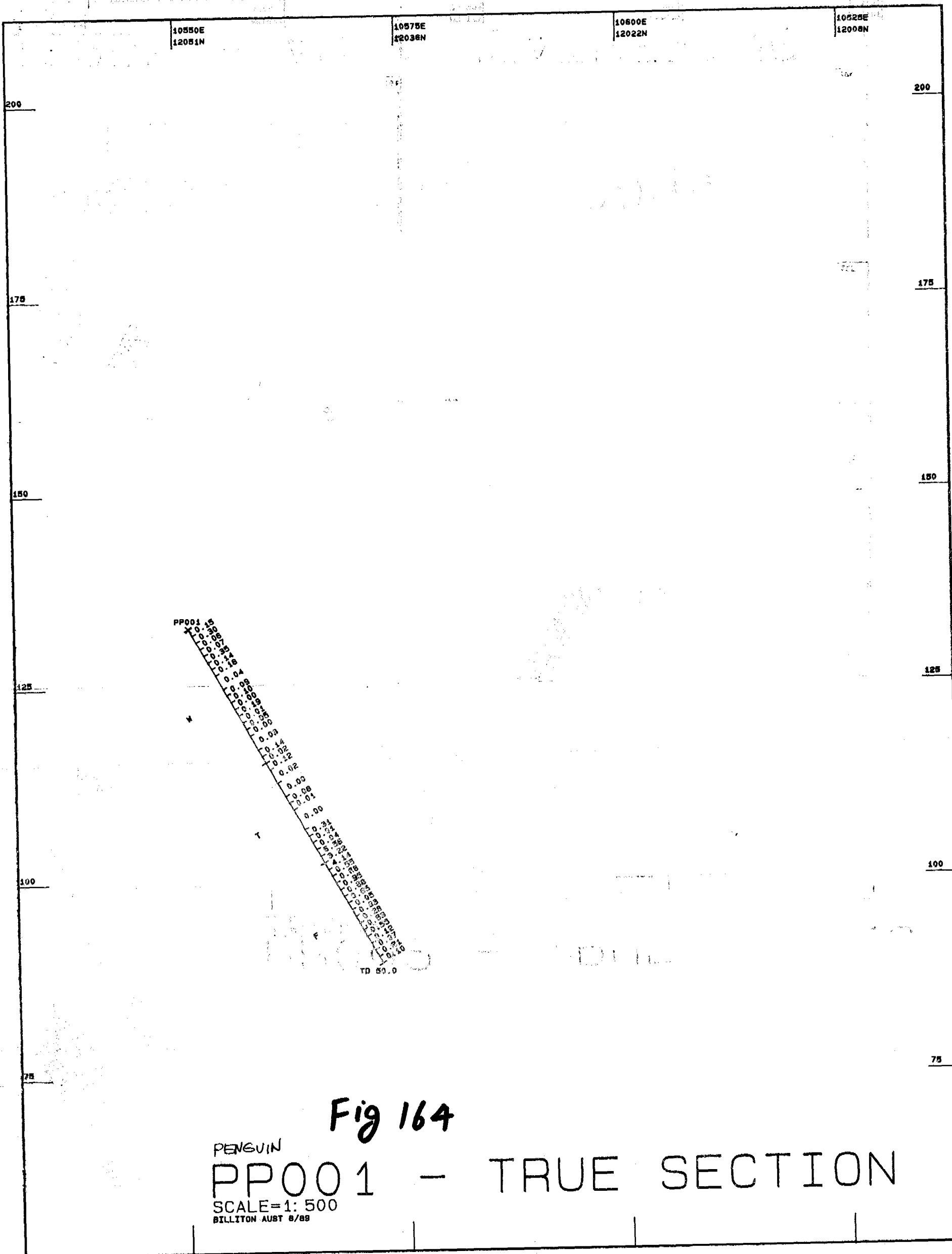
Billiton Australia Gold Pty Ltd			
Project MOUNT TODD J. V. NORTHERN TERRITORY			
Title QUIGLEYS-REGATTA 12 875 N			
Author DW	Date 12/89	Scale 1:500	
Drawn MS	Office KATH	Revised	Date
Drawing No.	Fig. No.		

Fig 163

CR90/348
AE

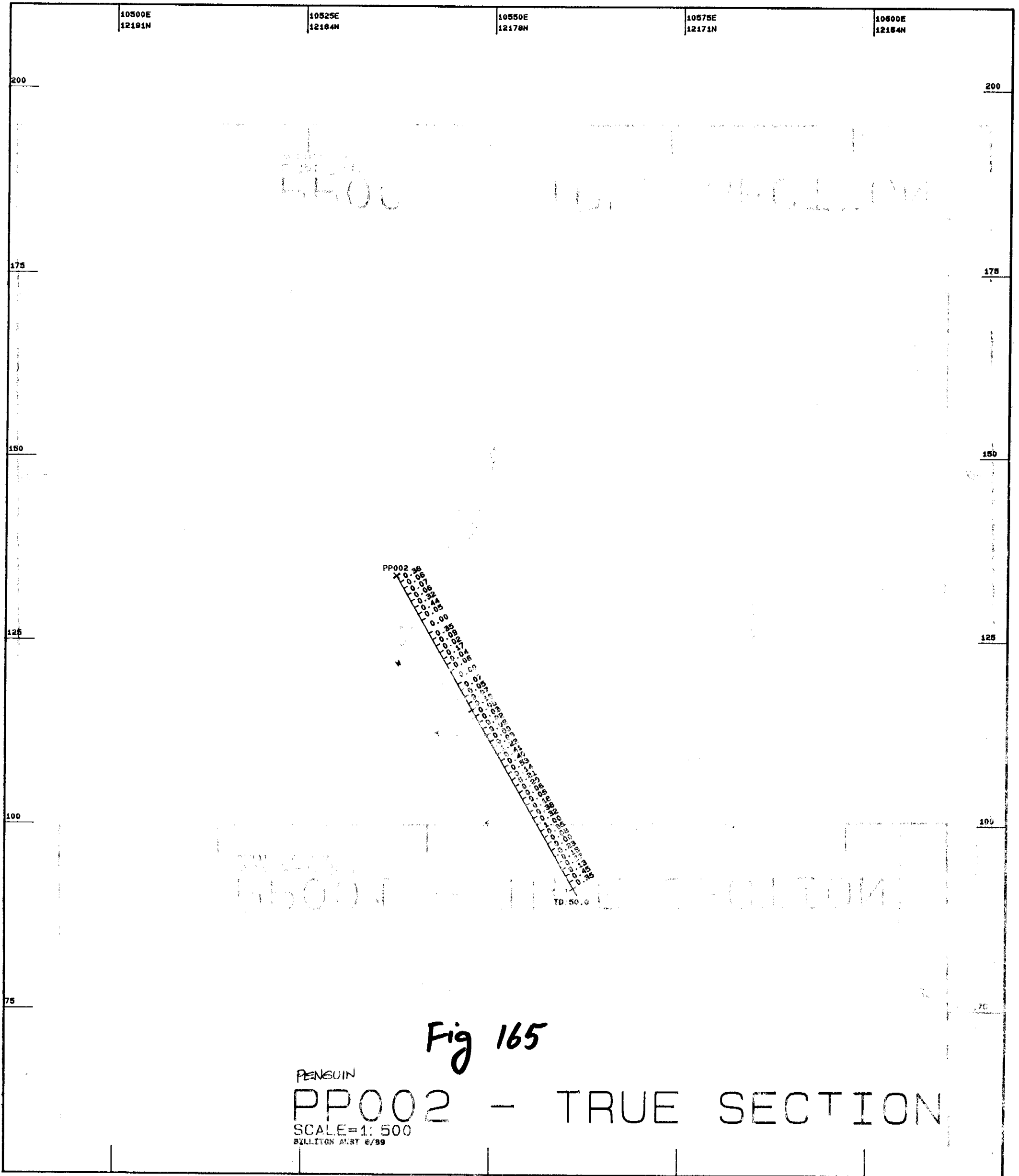
PENGUIN DRILLHOLE LOCATION PLAN
SCALE=1: 2000 BILLITON AUST 8/88

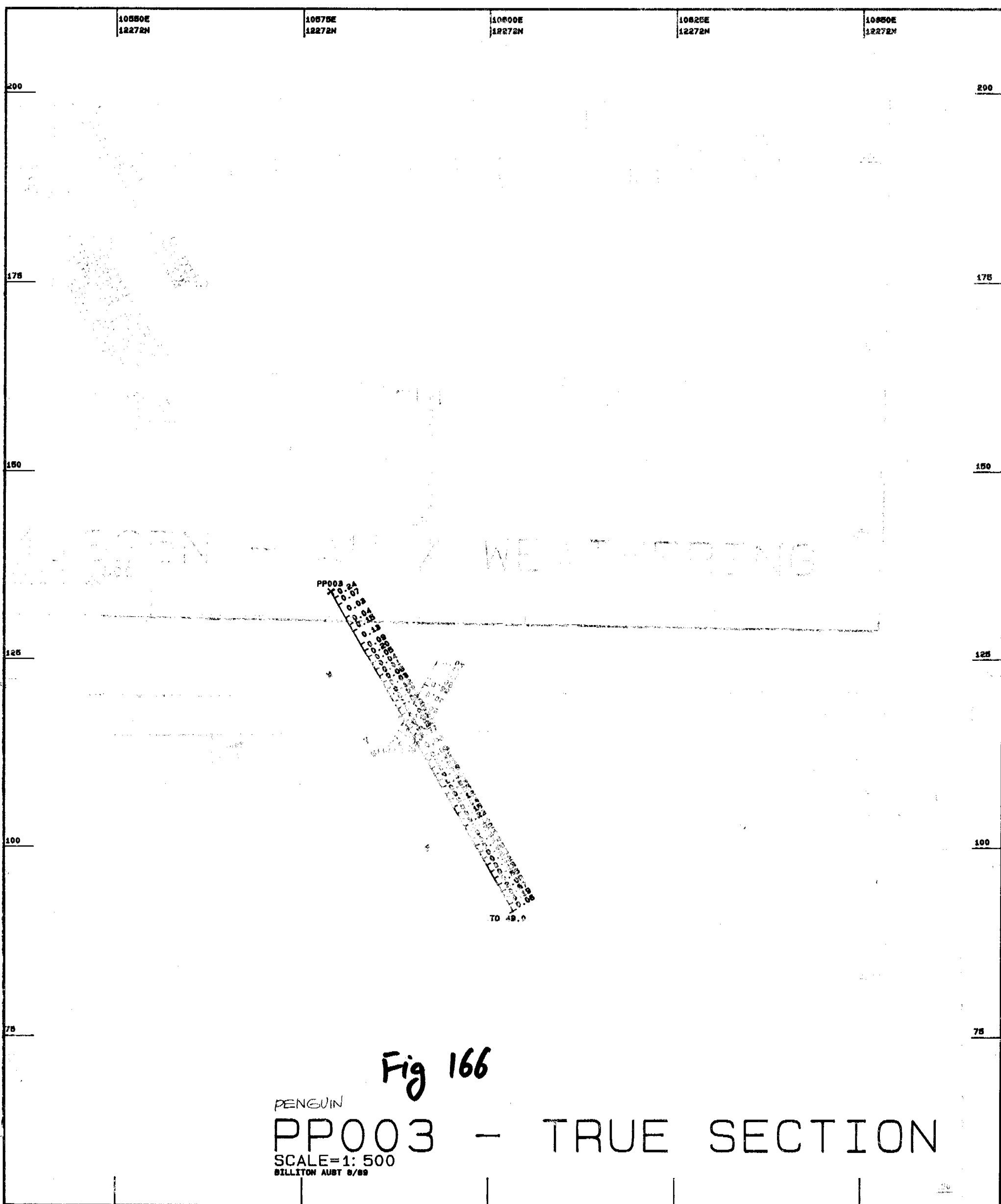




CR90/348AE

CR 90 1348AE





PENGUIN

PP003

TRUE

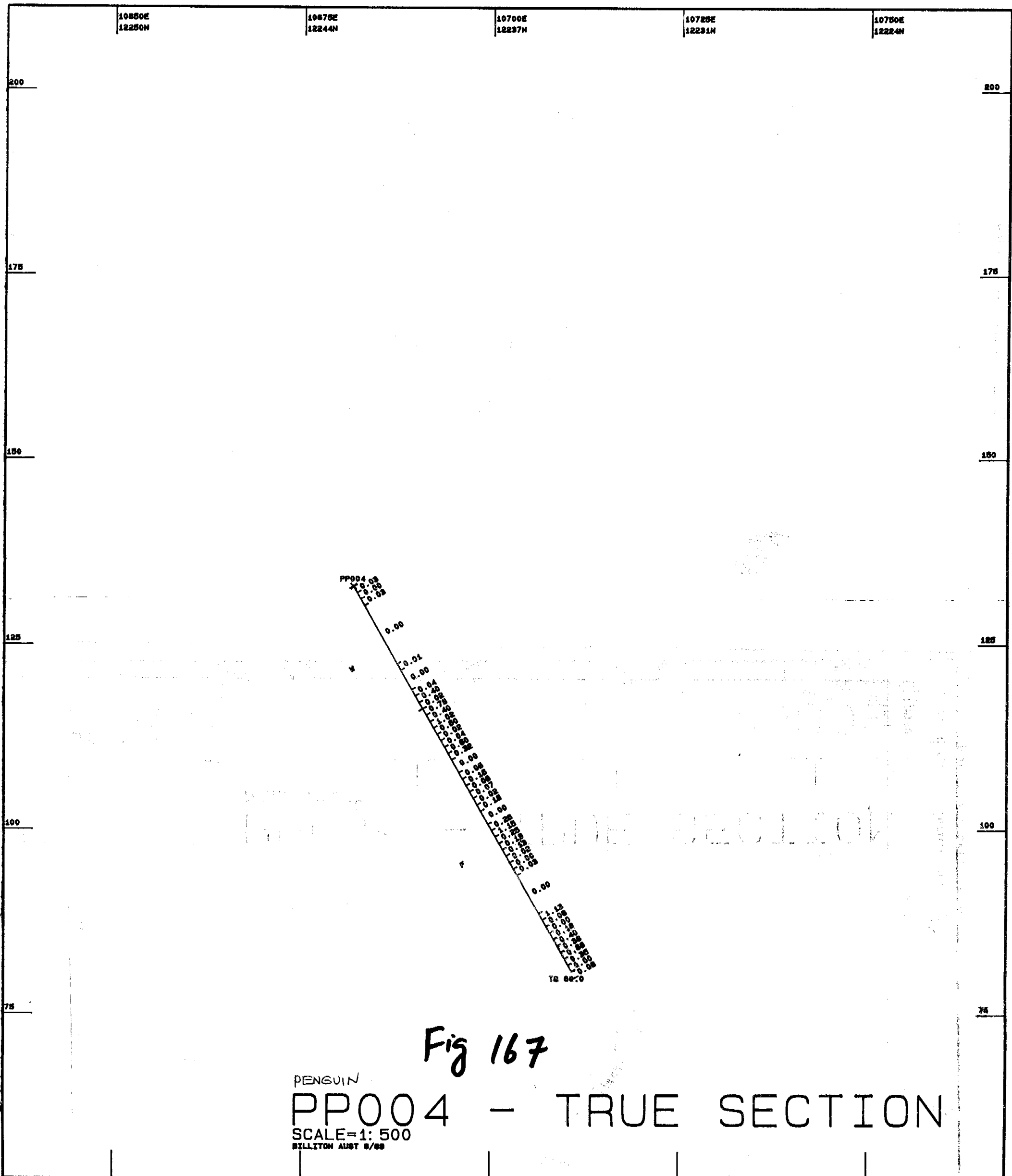
SECTION

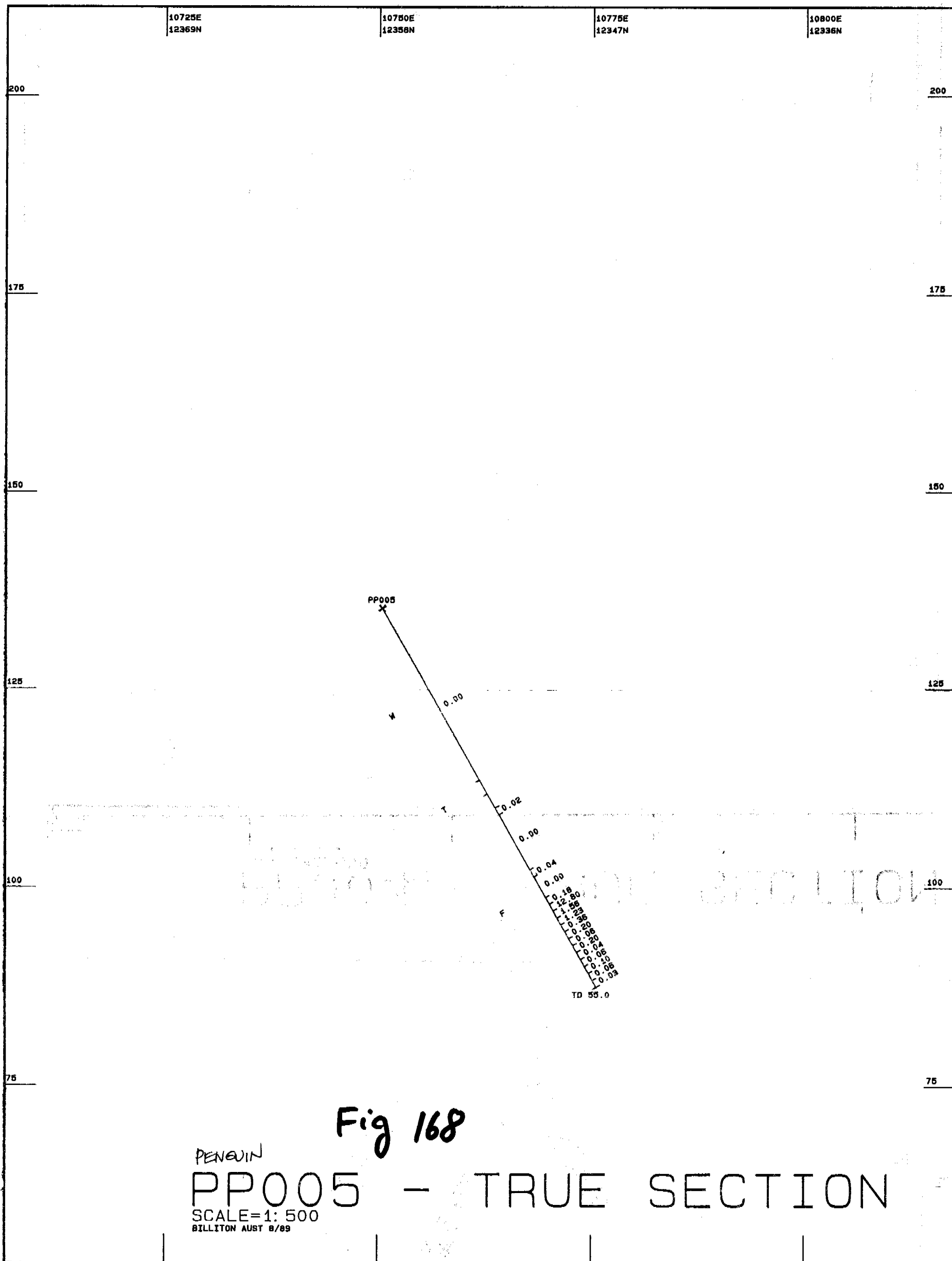
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BILLITON AUST 8/89

BILLITON AUST 8/68

CR90/348AE

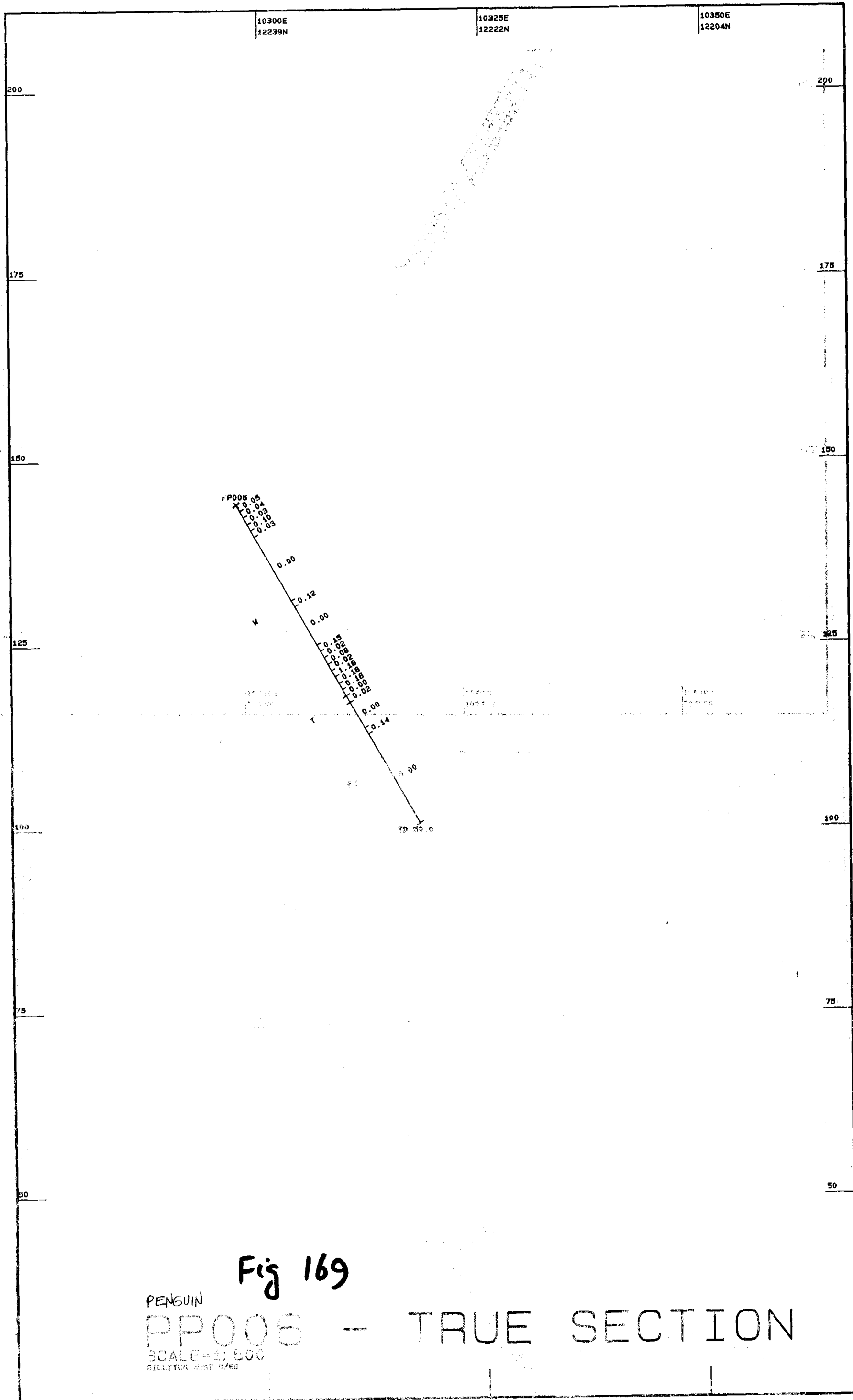
CR 90/348 AE

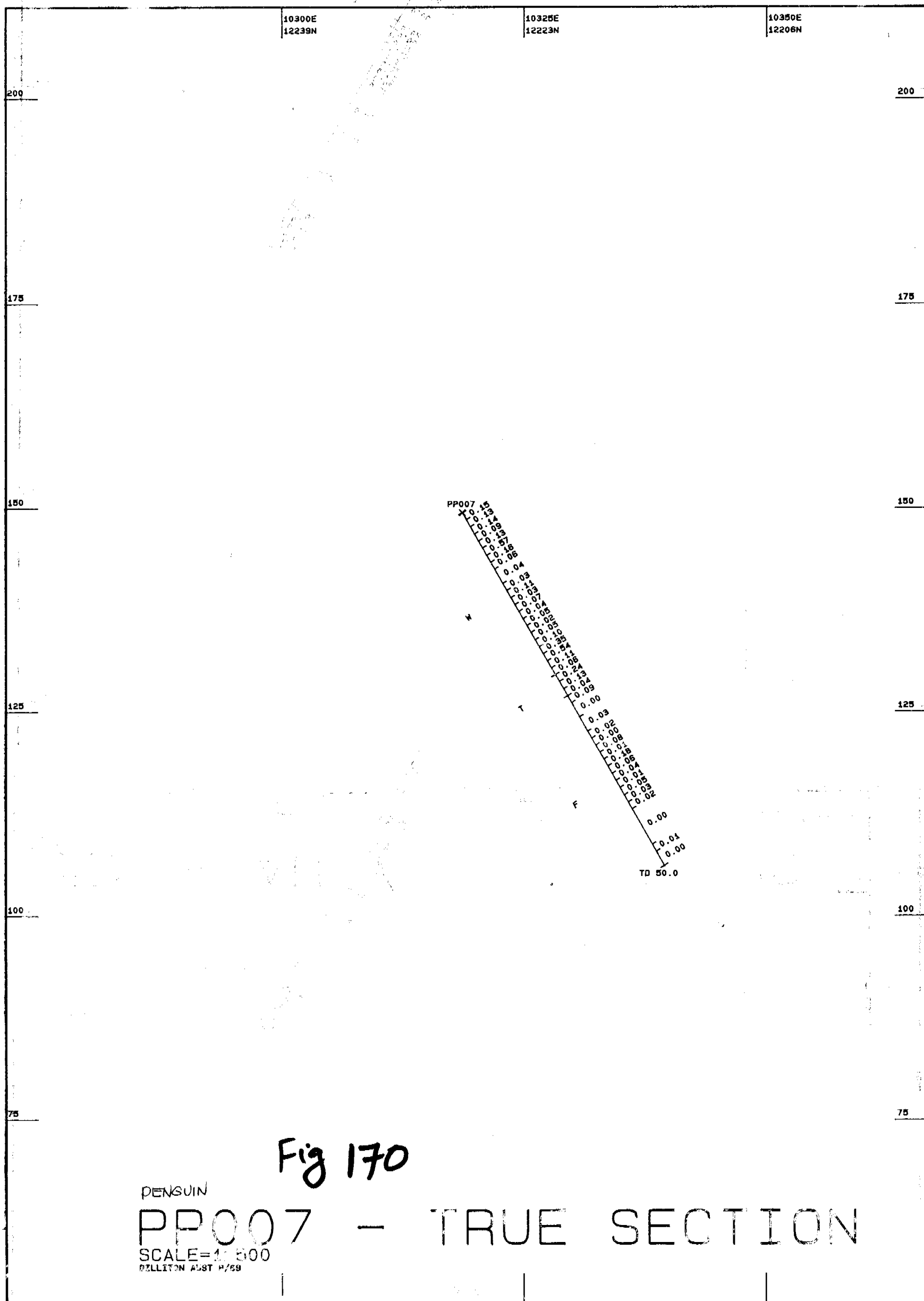




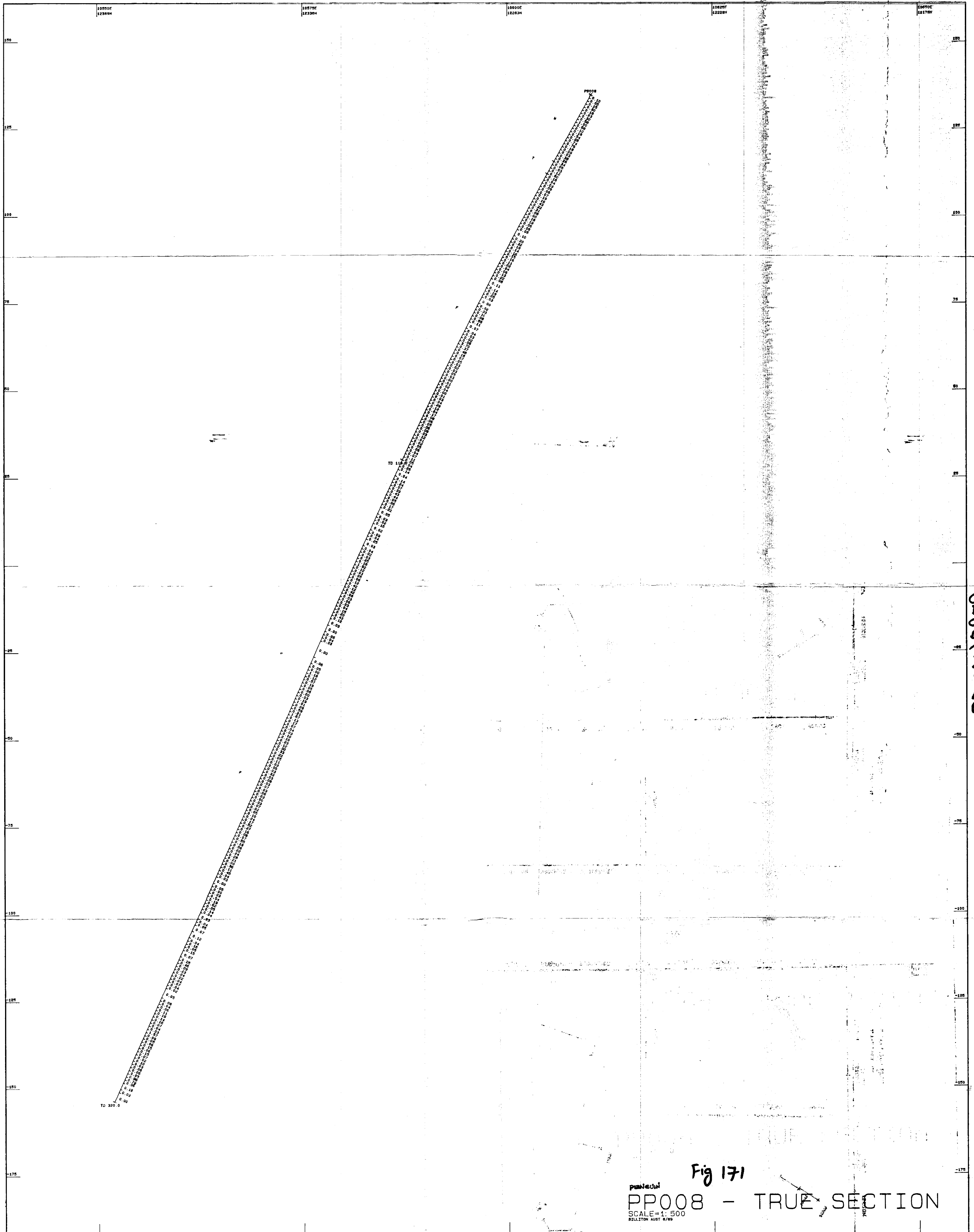
CR90/348AE

UASO/000000





CR 90/348AE



UAC/00000000

Fig 171
PP008 - TRUE SECTION
SCALE=1:500
BILLITON AUST 8/89

11700N 11750N 11800N 11850N 11900N 11950N 12000N 12050N 12100N 12150N

9950E 9950E 9950E 9950E 9950E 9950E 9950E 9950E 9950E 9950E

9900E 9900E 9900E 9900E 9900E 9900E 9900E 9900E 9900E 9900E

9850E 9850E 9850E 9850E 9850E 9850E 9850E 9850E 9850E 9850E

10000E 10000E 10000E 10000E 10000E 10000E 10000E 10000E 10000E 10000E

10050E 10050E 10050E 10050E 10050E 10050E 10050E 10050E 10050E 10050E

10100E 10100E 10100E 10100E 10100E 10100E 10100E 10100E 10100E 10100E

10150E 10150E 10150E 10150E 10150E 10150E 10150E 10150E 10150E 10150E

10200E 10200E 10200E 10200E 10200E 10200E 10200E 10200E 10200E 10200E

10250E 10250E 10250E 10250E 10250E 10250E 10250E 10250E 10250E 10250E

10300E 10300E 10300E 10300E 10300E 10300E 10300E 10300E 10300E 10300E

10350E 10350E 10350E 10350E 10350E 10350E 10350E 10350E 10350E 10350E

10400E 10400E 10400E 10400E 10400E 10400E 10400E 10400E 10400E 10400E

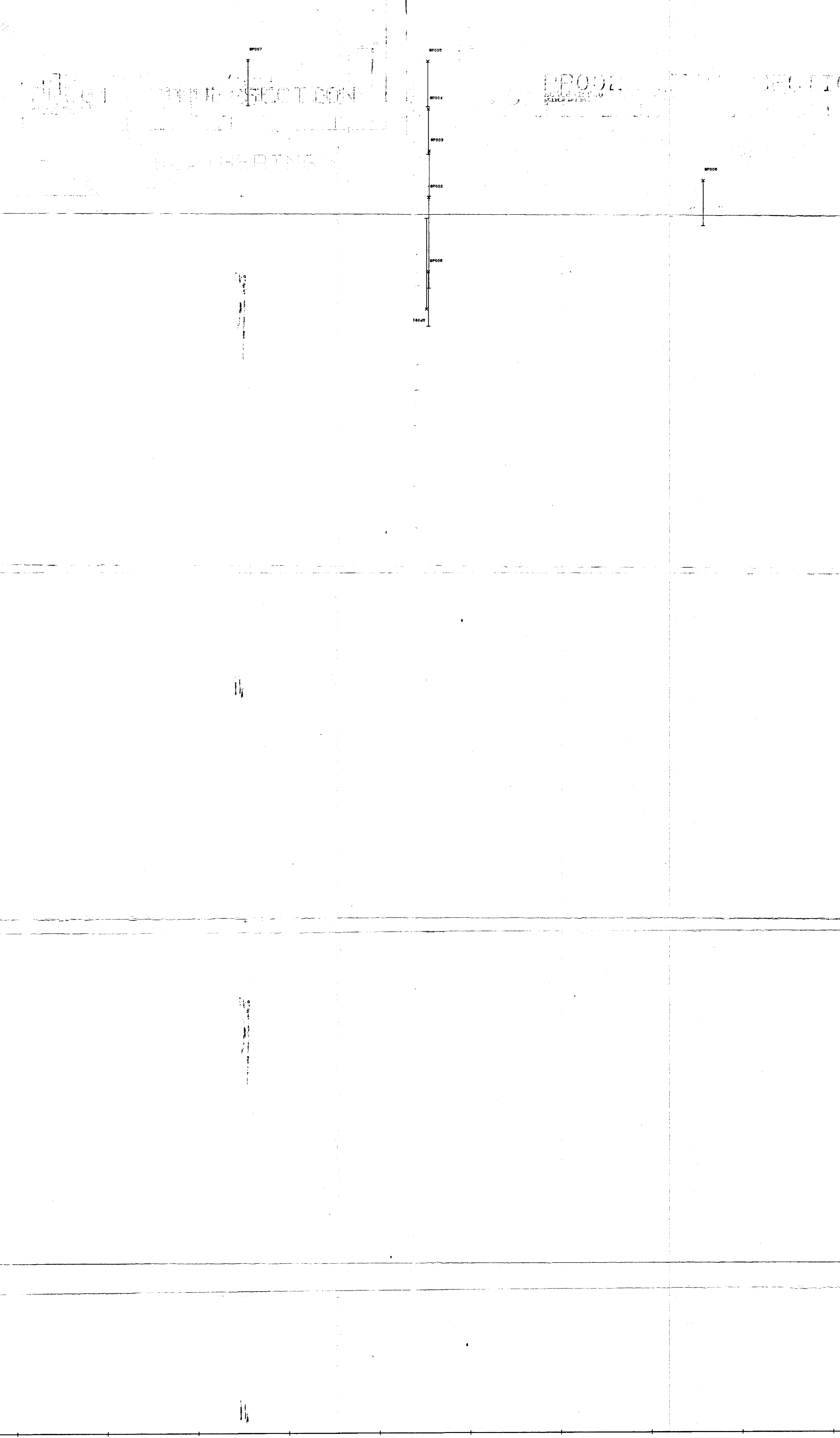
10450E 10450E 10450E 10450E 10450E 10450E 10450E 10450E 10450E 10450E

10500E 10500E 10500E 10500E 10500E 10500E 10500E 10500E 10500E 10500E

10550E 10550E 10550E 10550E 10550E 10550E 10550E 10550E 10550E 10550E

10600E 10600E 10600E 10600E 10600E 10600E 10600E 10600E 10600E 10600E

11700N 11750N 11800N 11850N 11900N 11950N 12000N 12050N 12100N 12150N



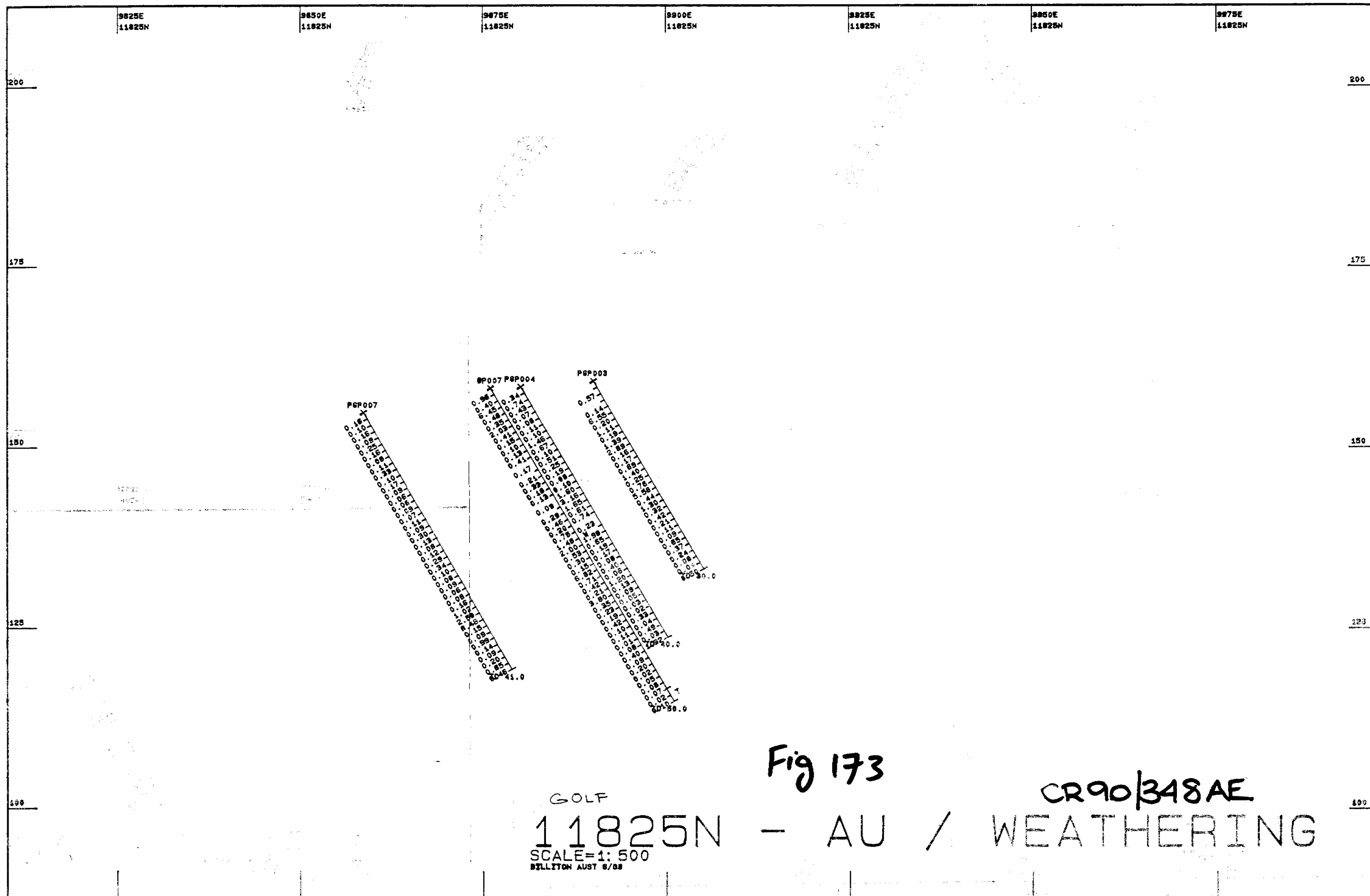


Fig 173

GOLF
11825N - AU / WEATHERING
SCALE=1:500
BELLITON AUST 8/88

CR90/348AE

WEATHERING

9875E
11925N

9900E
11925N

9925E
11925N

9950E
11925N

9975E
11925N

10000E
11925N

10025E
11925N

175

175

150

150

125

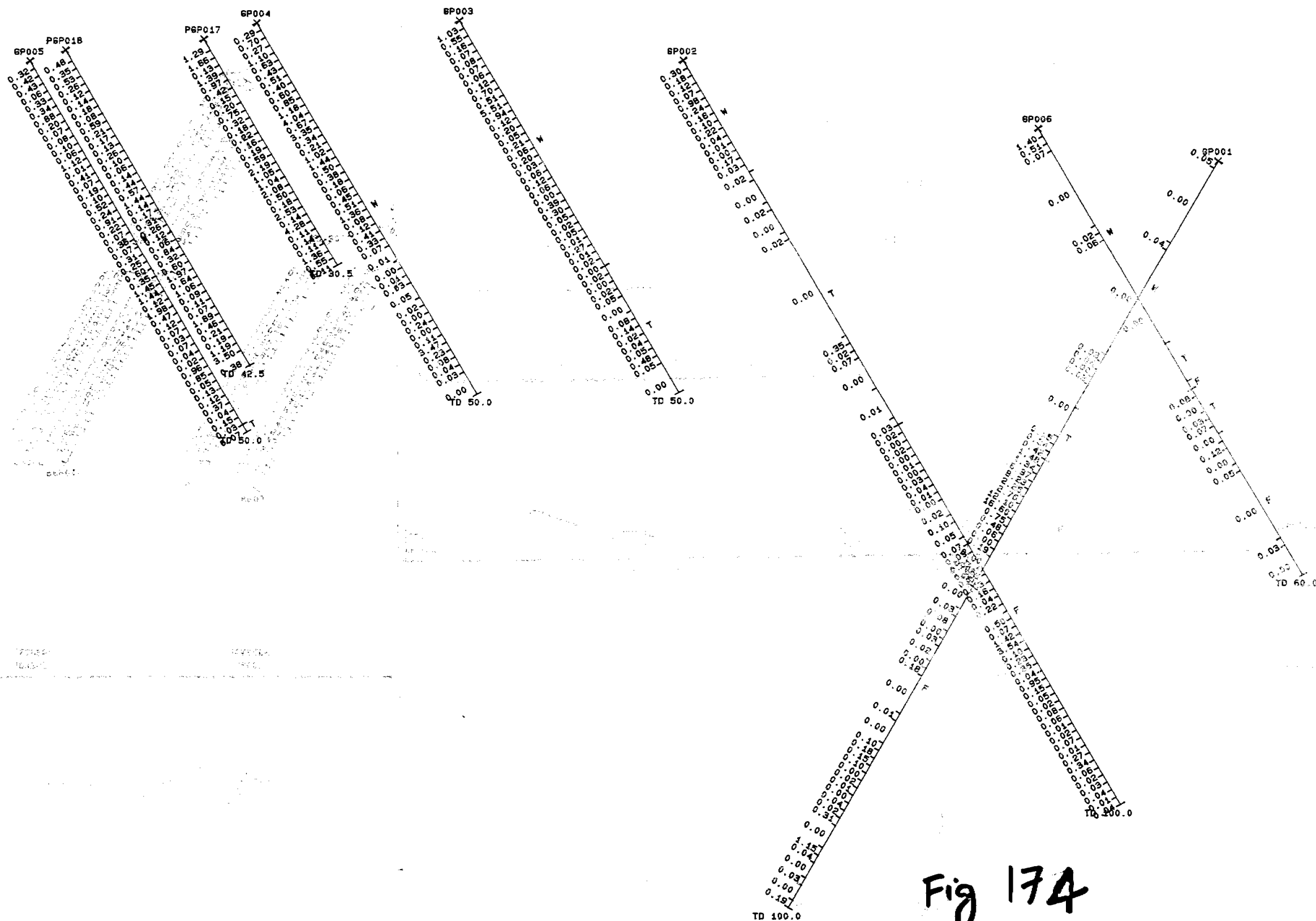
125

100

100

75

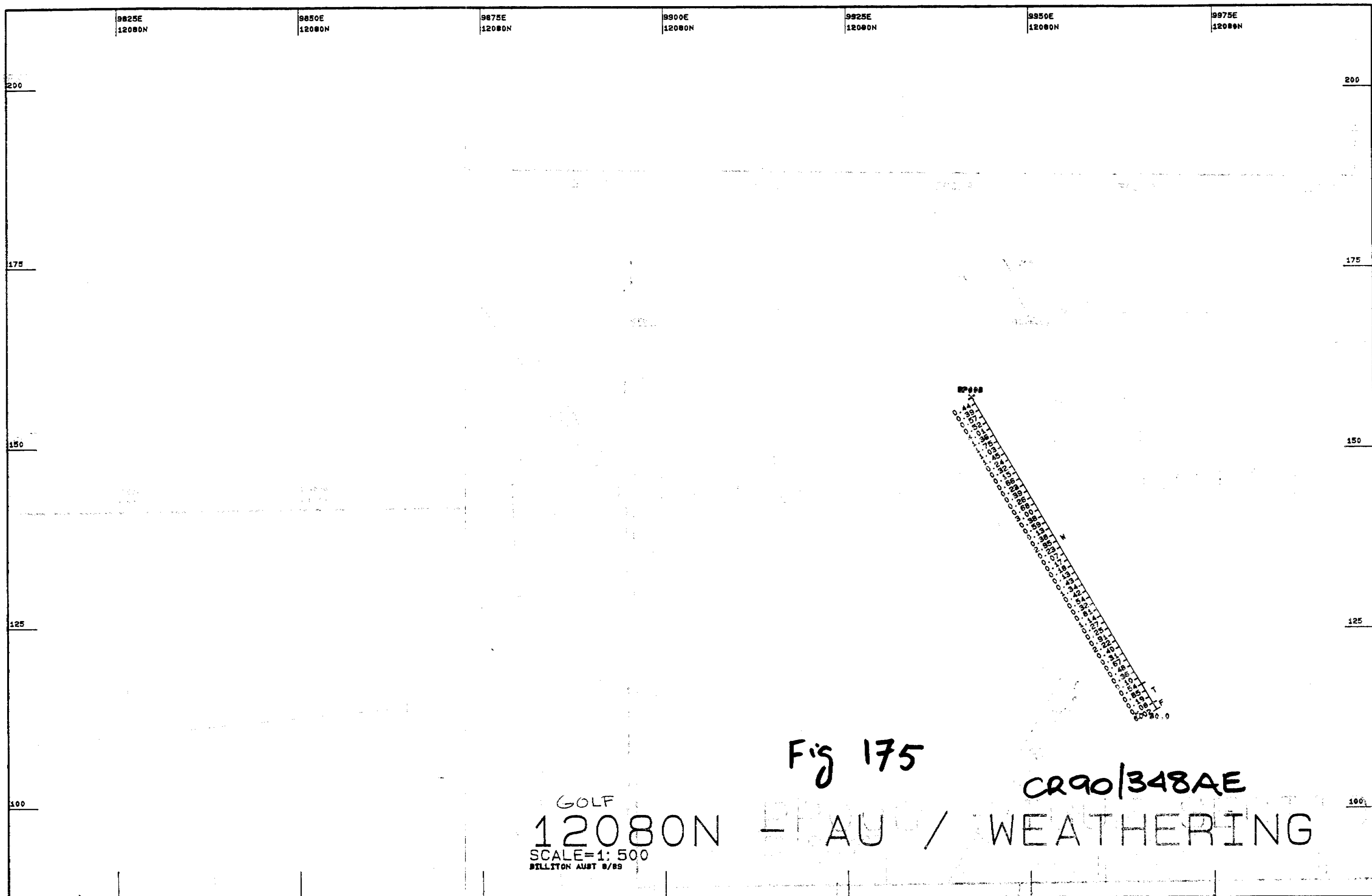
75



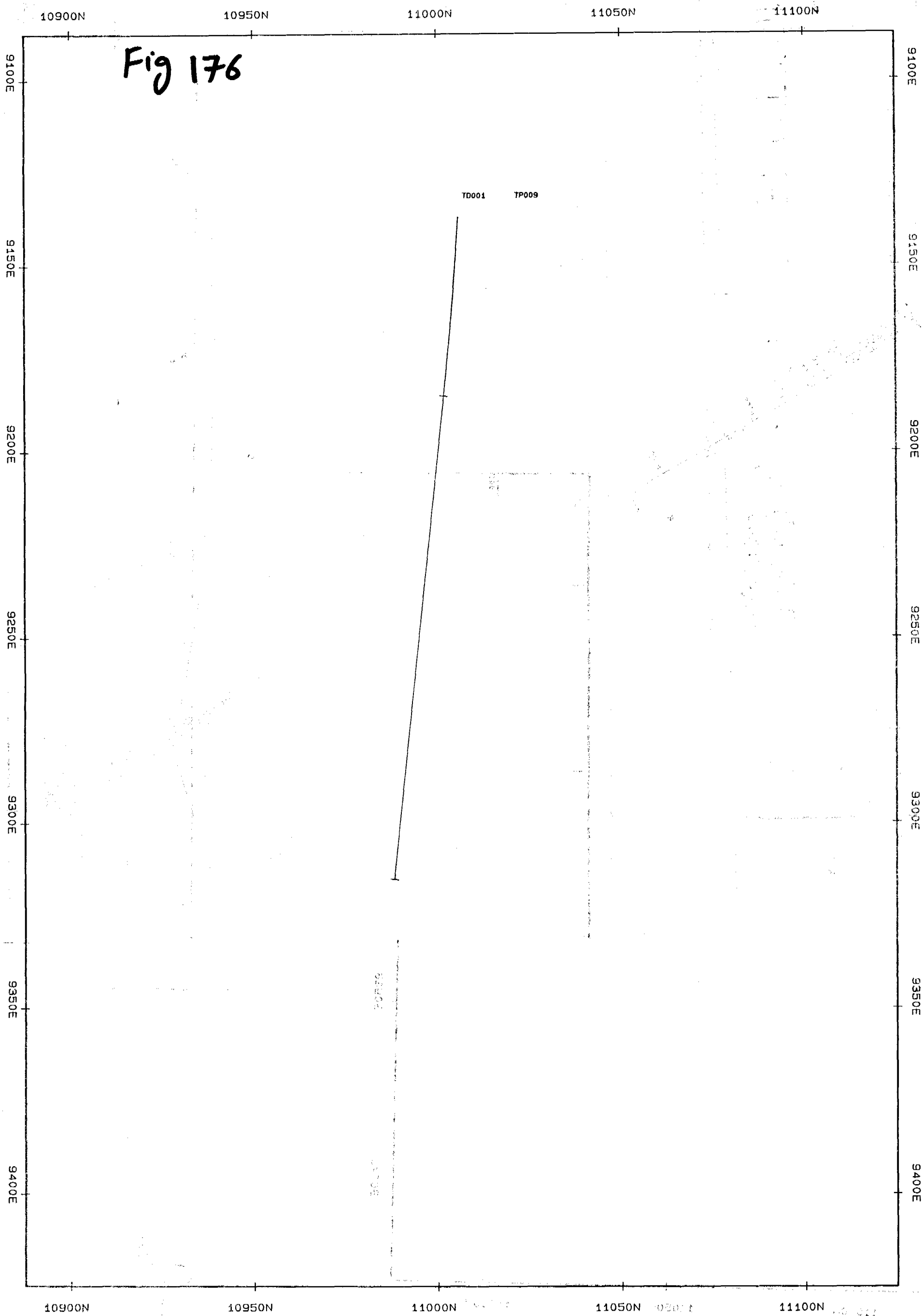
GOLF
11925N - AU / WEATHERING
SCALE=1: 500
BILLITON AUST 8/89

Fig 174

CR90/348AE



CR 901348AE



CR 90/348 AF

Appendix VII A
GEOPHYSICS
Geophysical Plans

APPENDIX VII - GEOPHYSICS

LIST OF CONTENTS

VII A GEOPHYSICAL PLANS

Title	Scale
Fig 178 Batman, Ground Magnetic Contours, Total Field	1: 5,000
179 Batman, Ground Magnetics, Stacked Profiles	1: 5,000
180 Batman Geophysical Profiles - Line 9800N(MISSING) 27/01/04	1: 5,000
181 Batman Geophysical Profiles - Line 10000N(MISSING) 27/01/04	1: 5,000
182 Batman Geophysical Profiles - Line 10200N	1: 5,000
183 Batman Geophysical Profiles - Line 10400N	1: 5,000
184 Batman Geophysical Profiles - Line 10600N	1: 5,000
185 Batman SiroteM, Channel 10, Frazer Filter	1: 5,000
186 Batman North, Tollis Ground Magnetic/SiroteM	1: 5,000
187 Batman North, Tollis SiroteM - Line 11000N	1: 5,000
188 Penguin, Regatta & Quigleys Geophysical Plan	1: 5,000
189 Penguin - SiroteM Profile - Line 12400N	1: 5,000
190 Regatta - SiroteM Fixed Loop - Line 40200N	1: 5,000
191 Regatta - SiroteM Fixed Loop - Line 40000N	1: 5,000
192 Quigleys - SiroteM Fixed Loop - Line 10900N	1: 5,000
193 Quigleys - SiroteM Fixed Loop - Line 13400N	1: 5,000
194 Joker/Quigleys Ground Magnetics	1:10,000
195 Joker/Quigleys Ground Magnetics 11pt Filter	1:10,000
196 Catwoman Ground Magnetics	1:10,000
197 Catwoman Ground Magnetics 5pt Filter	1:10,000

Fig 178

BATMAN ,GROUND MAGNETIC CONTOURS,TOTAL FIELD

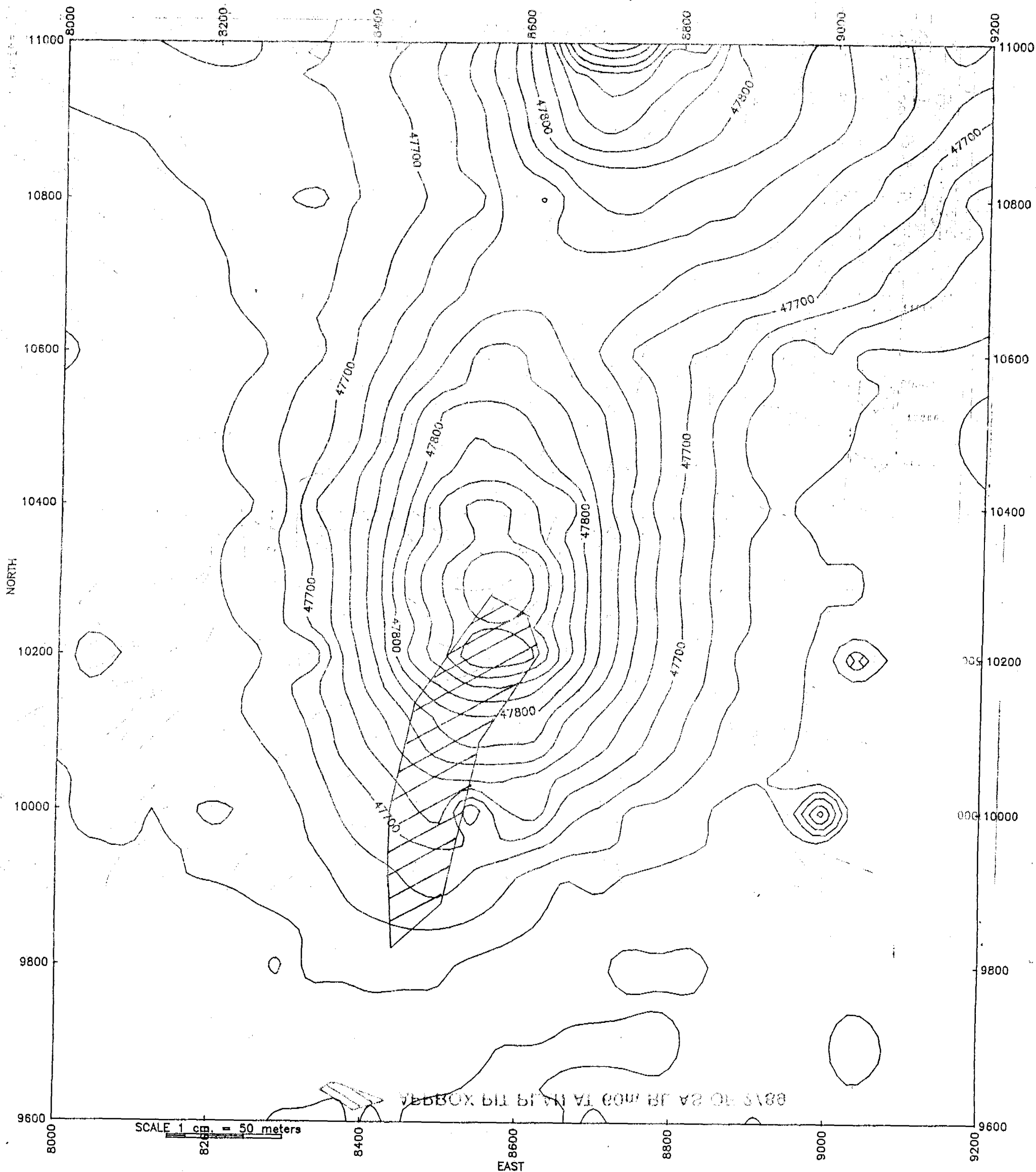
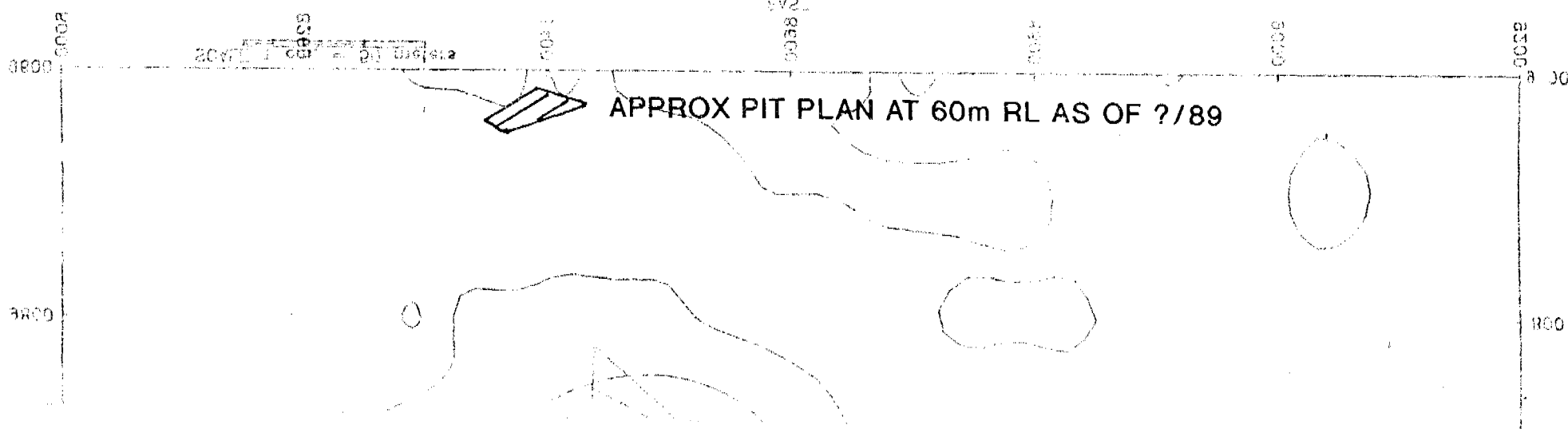


FIG. 3

FIG. 3



Easting

Base Level : 47650.0
 Plan Scale 1: 5000.0
 Profile Scale (units/cm): 50.0

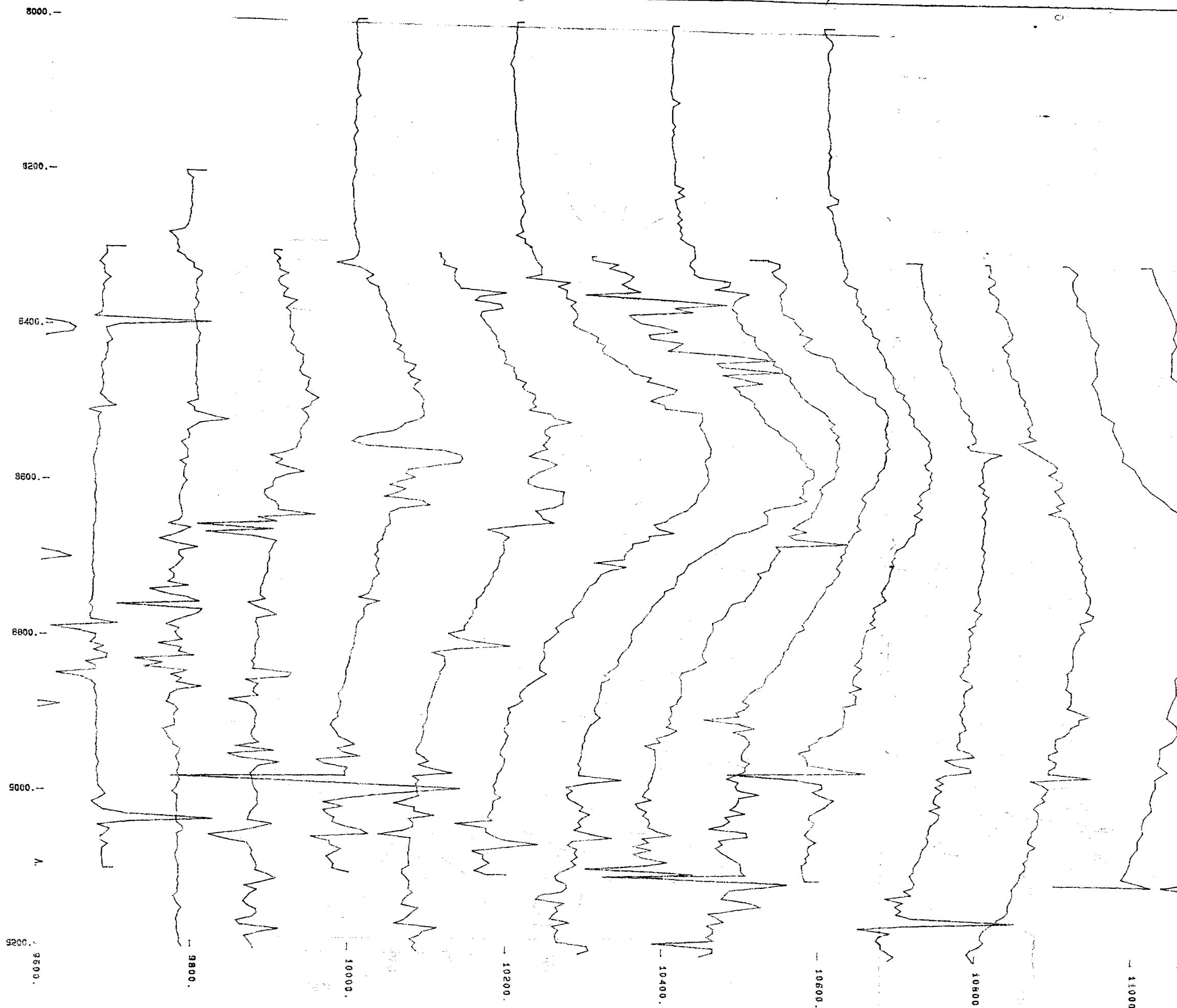


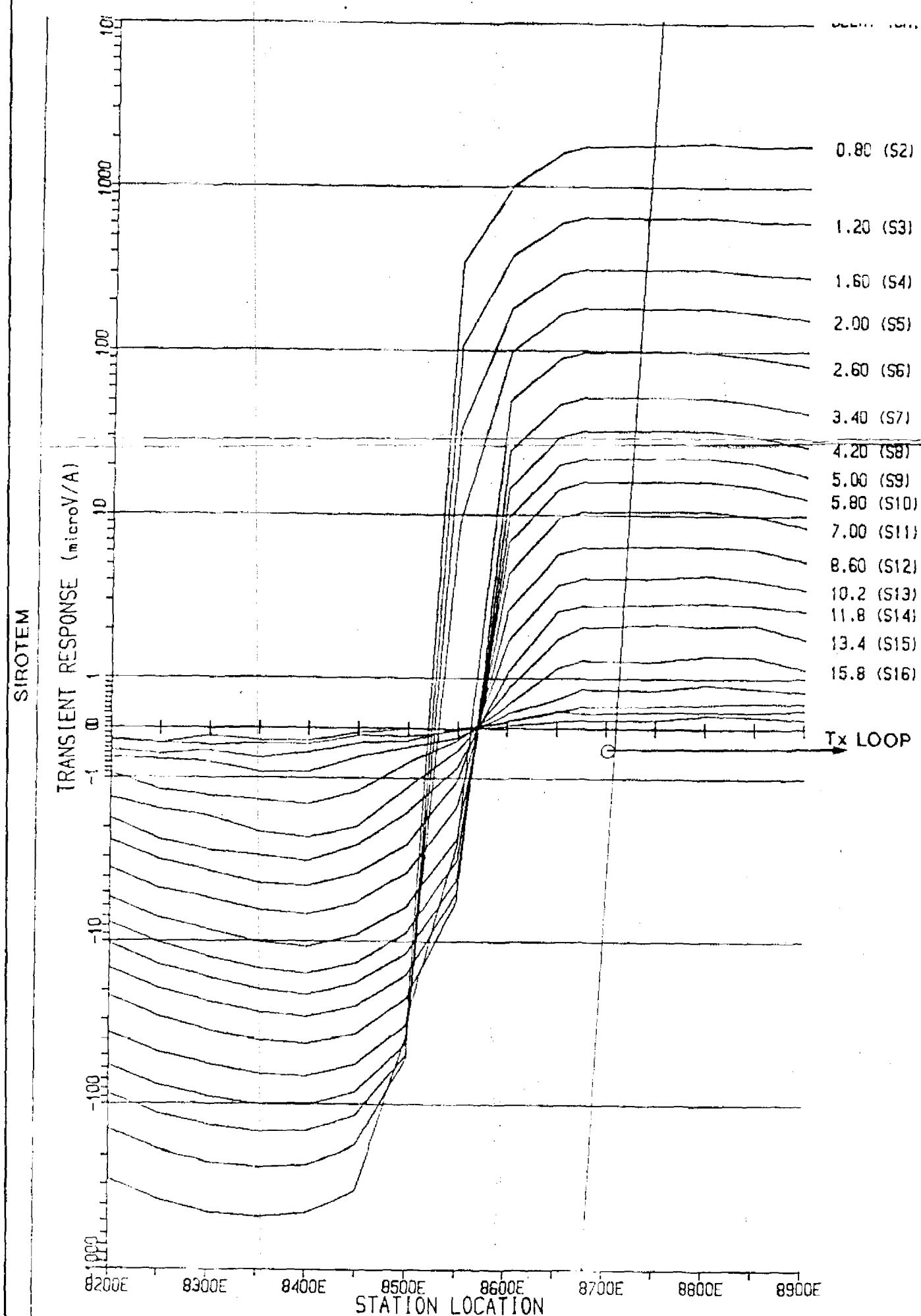
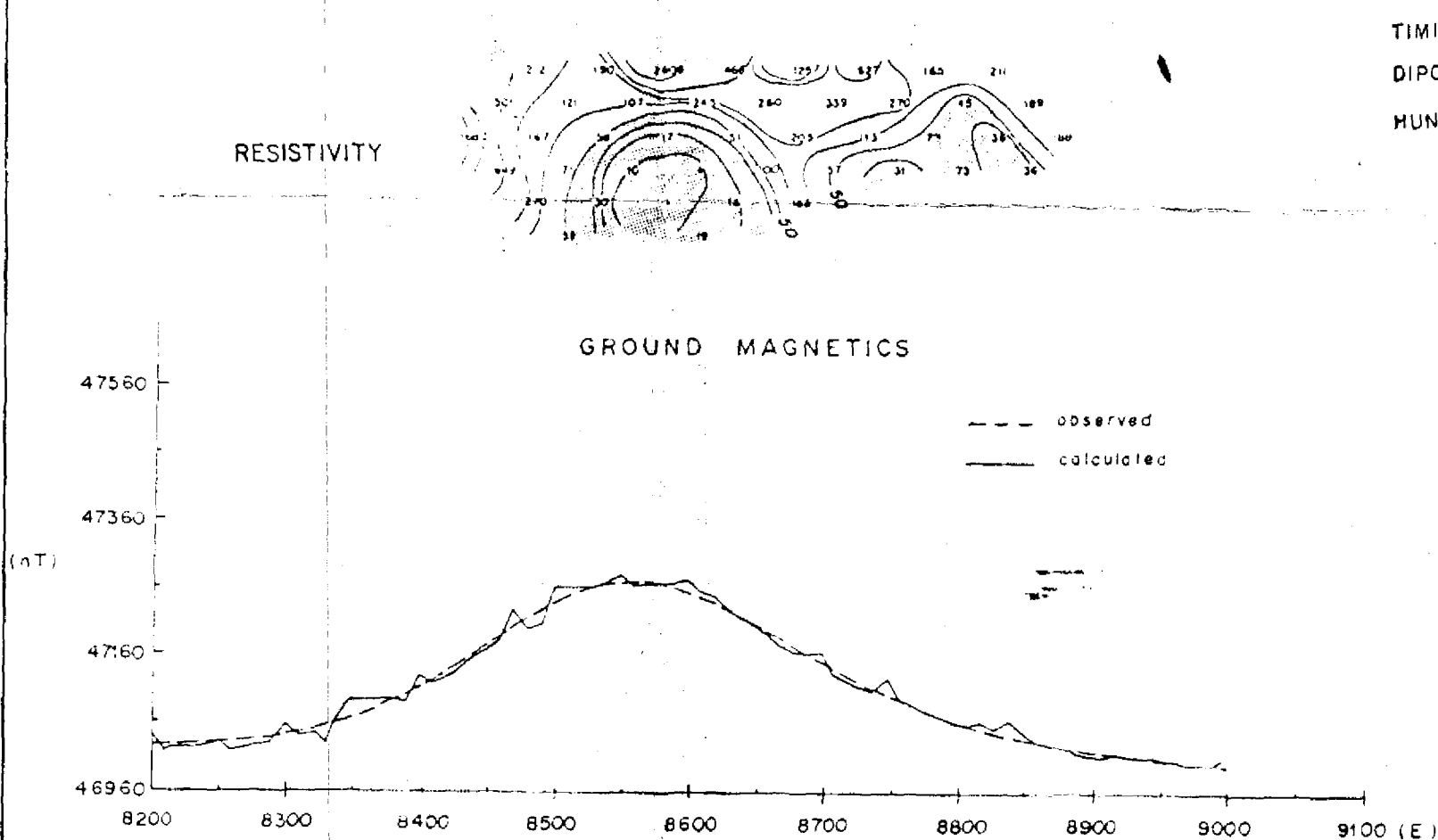
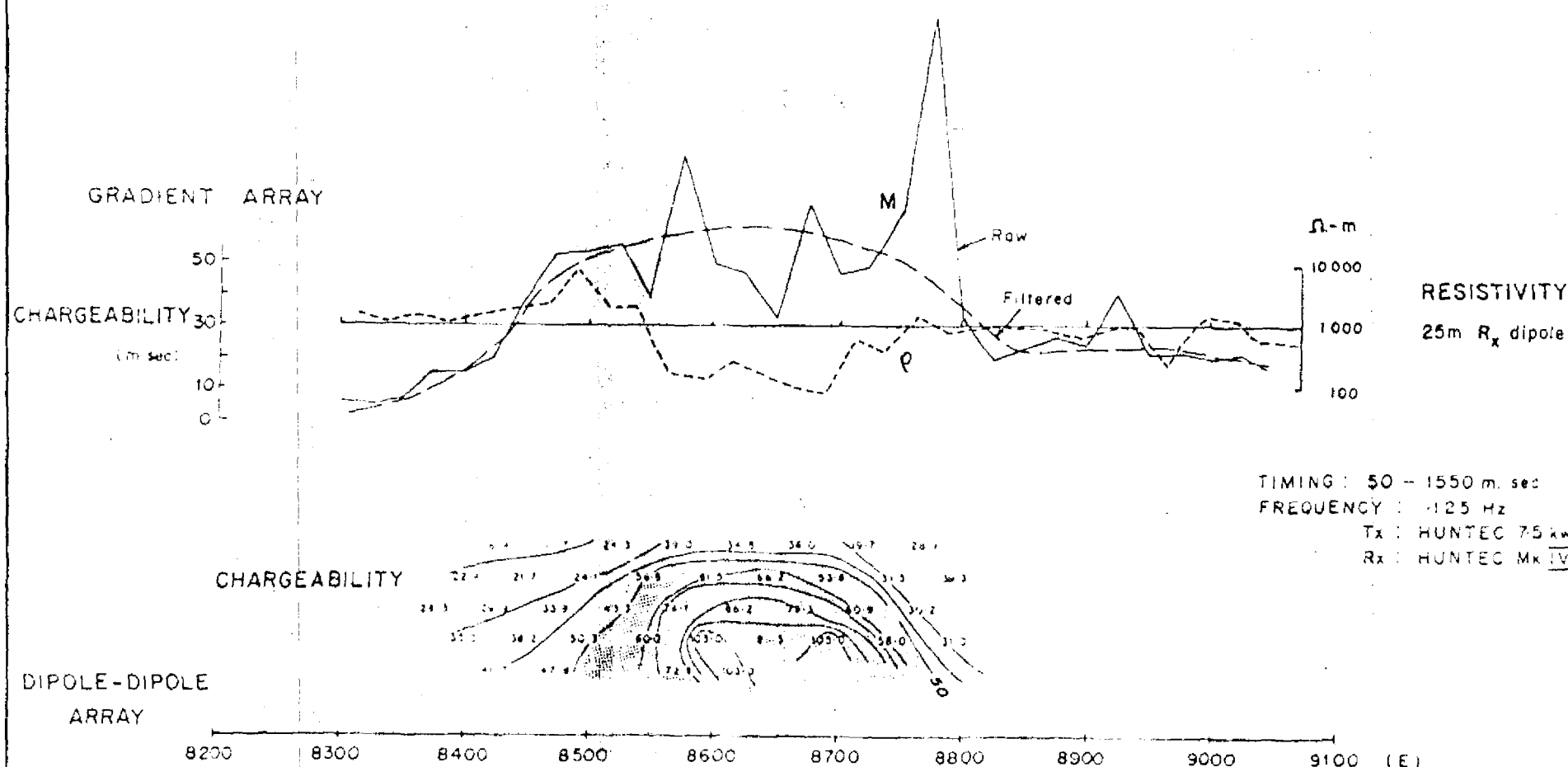
Fig 179



MT TODD JV, N.T.
 BATMAN
 GROUND MAGNETICS
 STACKED PROFILES

FIG. NO: 4	SCALE: 1:5 000
ENCL. NO:	DRG. NO:
DATE: 21/9/89	AUTHOR: N.H.
DRAWN:	OFFICE:

CR90/348AE



SURVEY SPECIFICATIONS

DATA ACQUISITION: McSKIMMING GEOPHYSICS

SURVEY DATE: AUGUST 1989

CONFIGURATION: 1000M SQUARE TX. LOOP,
TURAN MODE RVR SURVEY

READING INT.: 50 METRES

NO. OF STACKS: 1024

TRANSMITTER: MEDIUM POWER

RECEIVER: SIROTEM II S/N 1236

CURRENT: 8.1 AMPS

OPERATOR: P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE: 1:5000

VERTICAL SCALE: LOGARITHMIC
3CM. PER DECADE
LINEAR BETWEEN
-1 AND +1

TIME DELAYS IN MILLISECONDS

E - EARLY TIME WINDOW

S - STANDARD TIME WINDOW

$T_0 = 378 \mu\text{SEC}$

DRILLHOLES

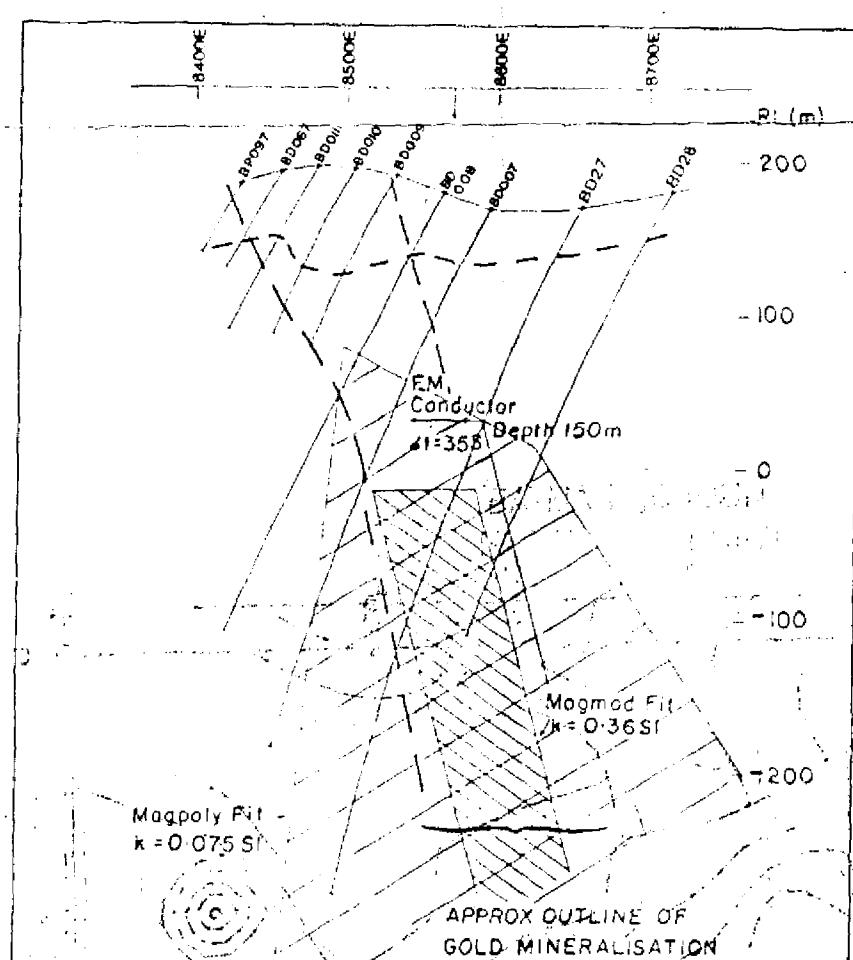
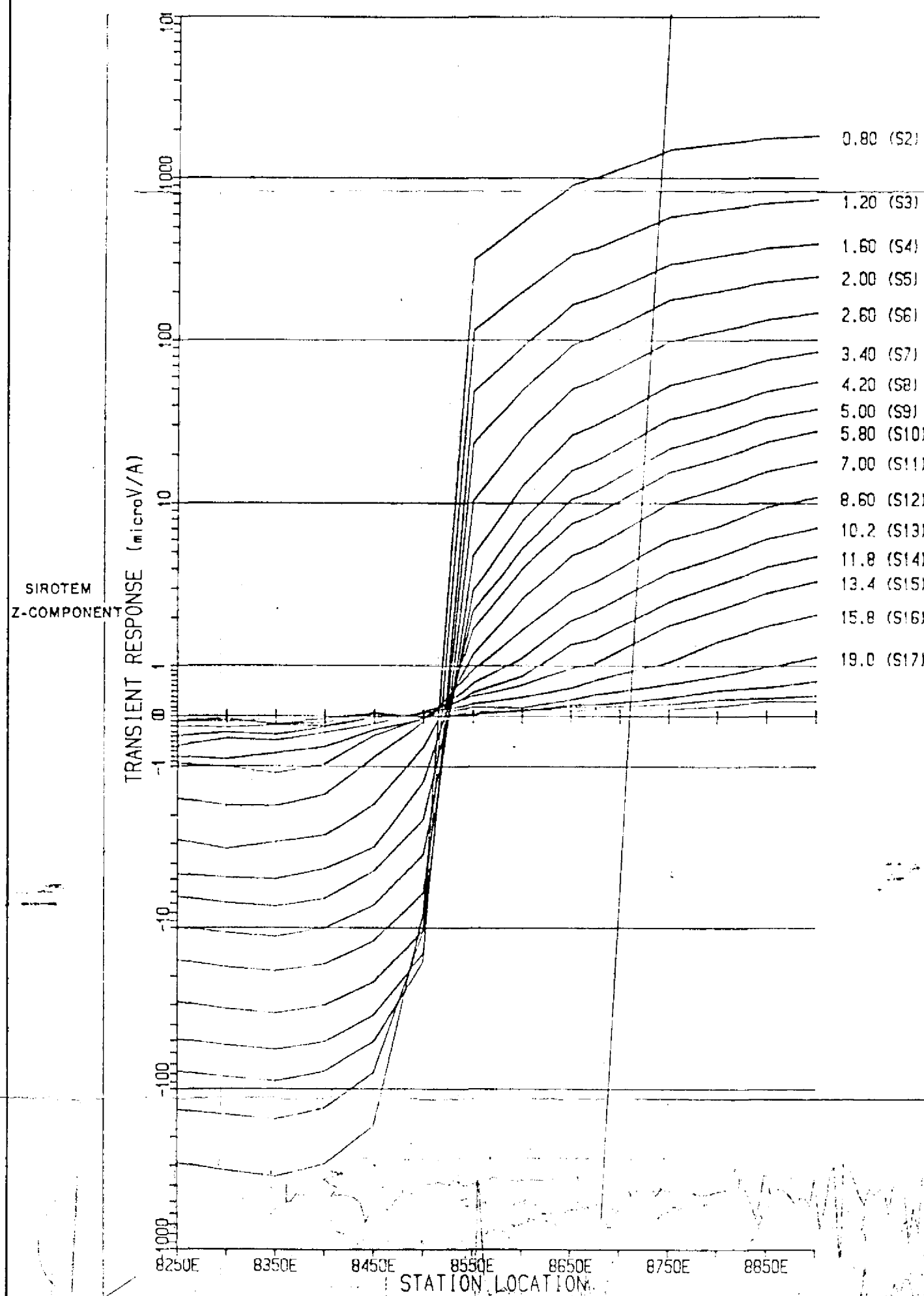
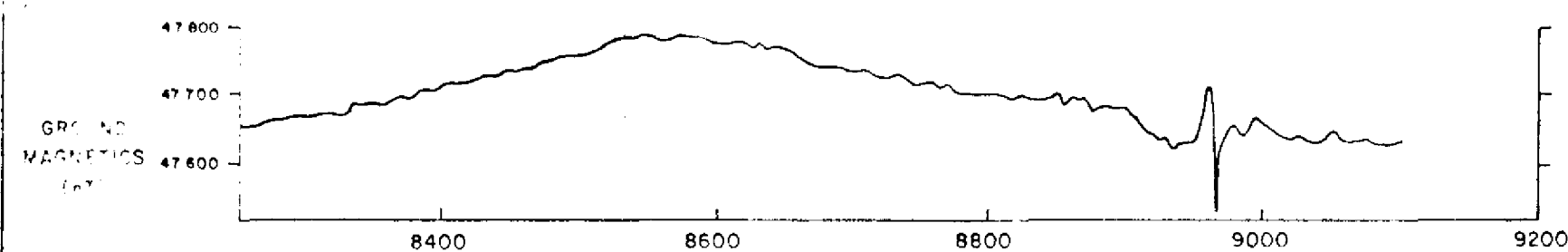
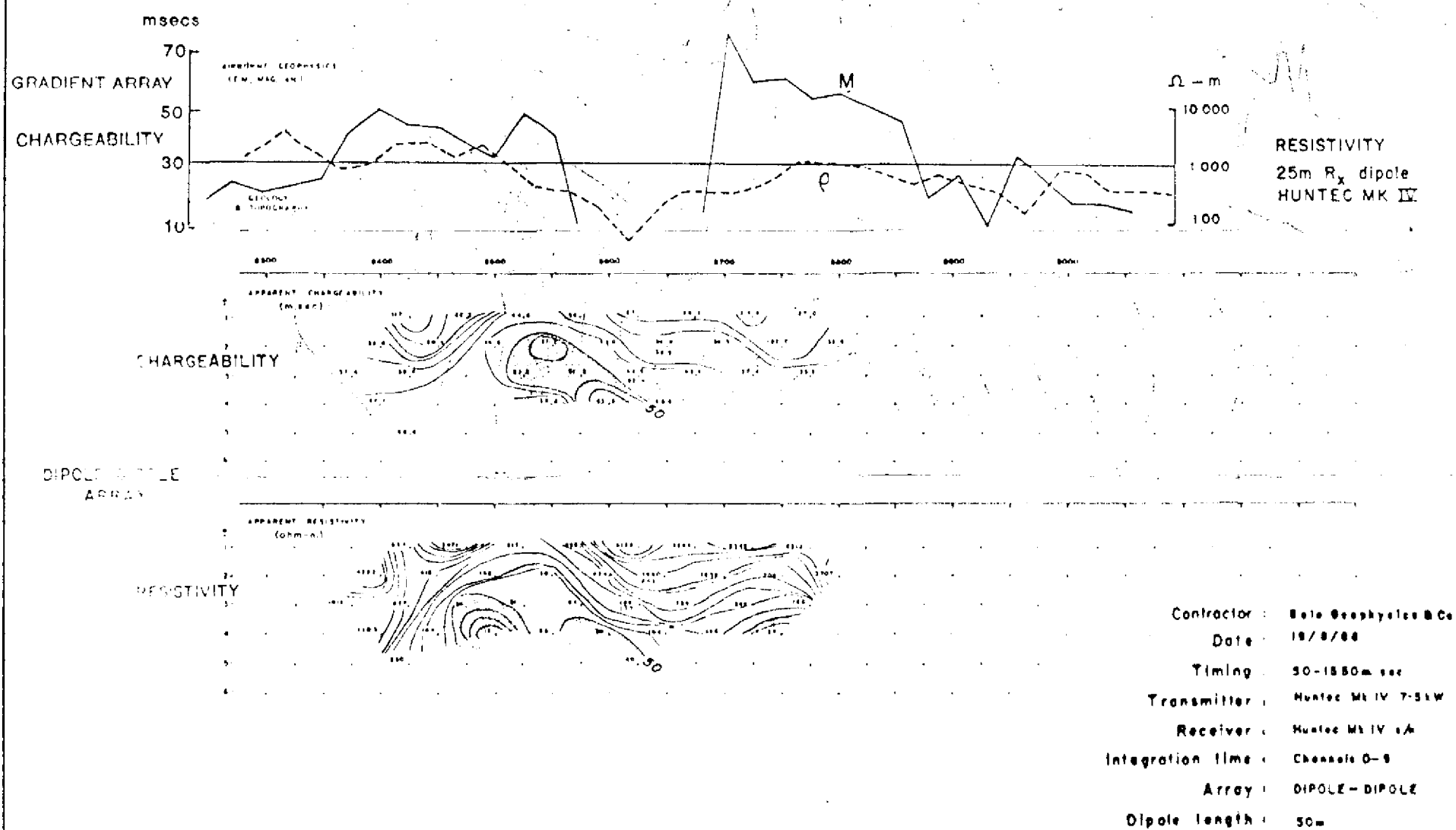


Fig 182
CR90/348AF

Biliton Australia Gold Pty Ltd			
Project: MT TODD JOINT VENTURE			
Title: BATMAN GEOPHYSICAL PROFILES LINE 10200N			
Author: NH	Date: 9/89	Scale: 1:5000	
Drawn: HS	Office:	Revised:	Date:
Drawing No: HJ95/1390	Fig. No:		



SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : AUGUST 1989

CONFIGURATION : 1000M SQUARE TX. LOOP

TURAM MODE RVR SURVEY

READING INT. : 50 METRES

NO. OF STACKS : 1024

TRANSMITTER : MEDIUM POWER

RECEIVER : SIROTEM II S/N 1236

CURRENT : 8.1 AMPS

OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000

VERTICAL SCALE - LOGARITHMIC

3CM. PER DECADE

LINEAR BETWEEN

-1 AND +1

TIME DELAYS IN MILLISECONDS

E - EARLY TIME WINDOW

S - STANDARD TIME WINDOW

$T_0 = 378 \mu\text{sec}$

DRILL HOLES

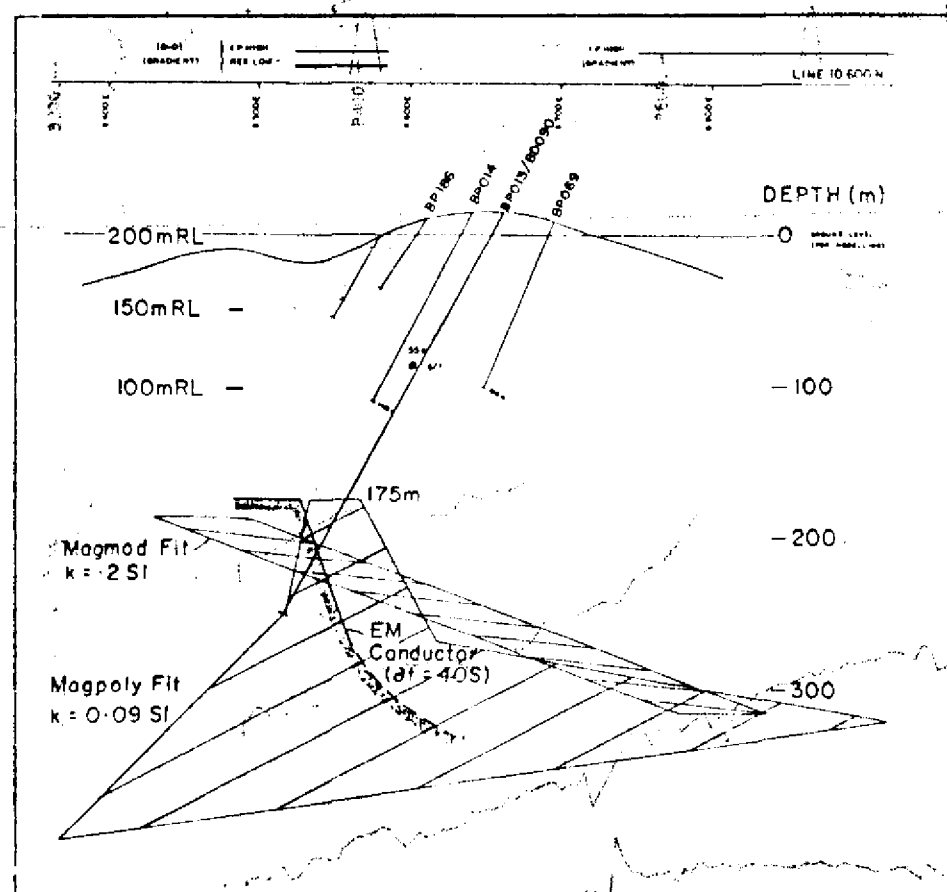


Fig 184

CR90/348AF

Billiton Australia Gold Pty Ltd.

Project MT.TODD JOINT VENTURE

Project BATMAN

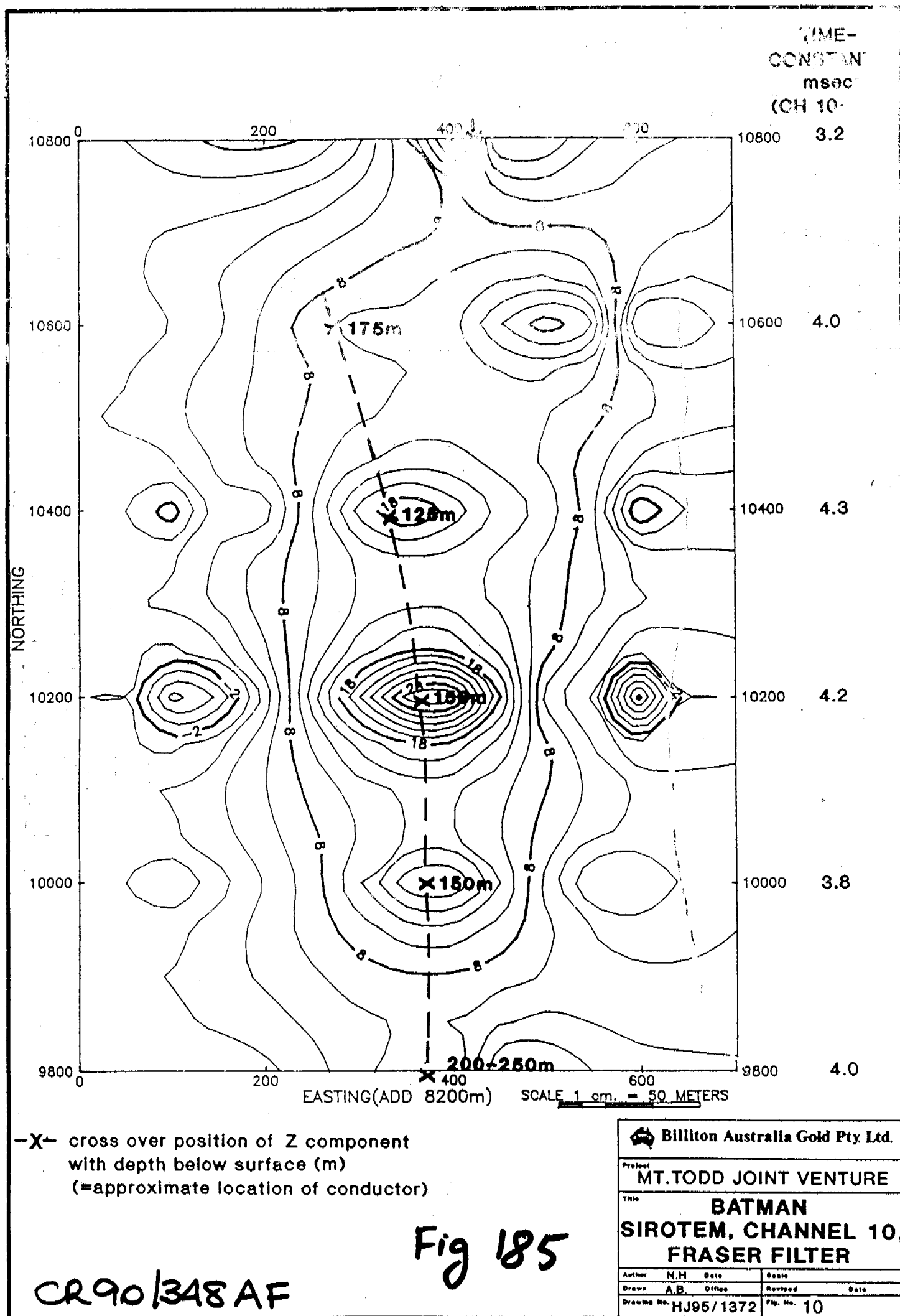
Geophysical Profiles

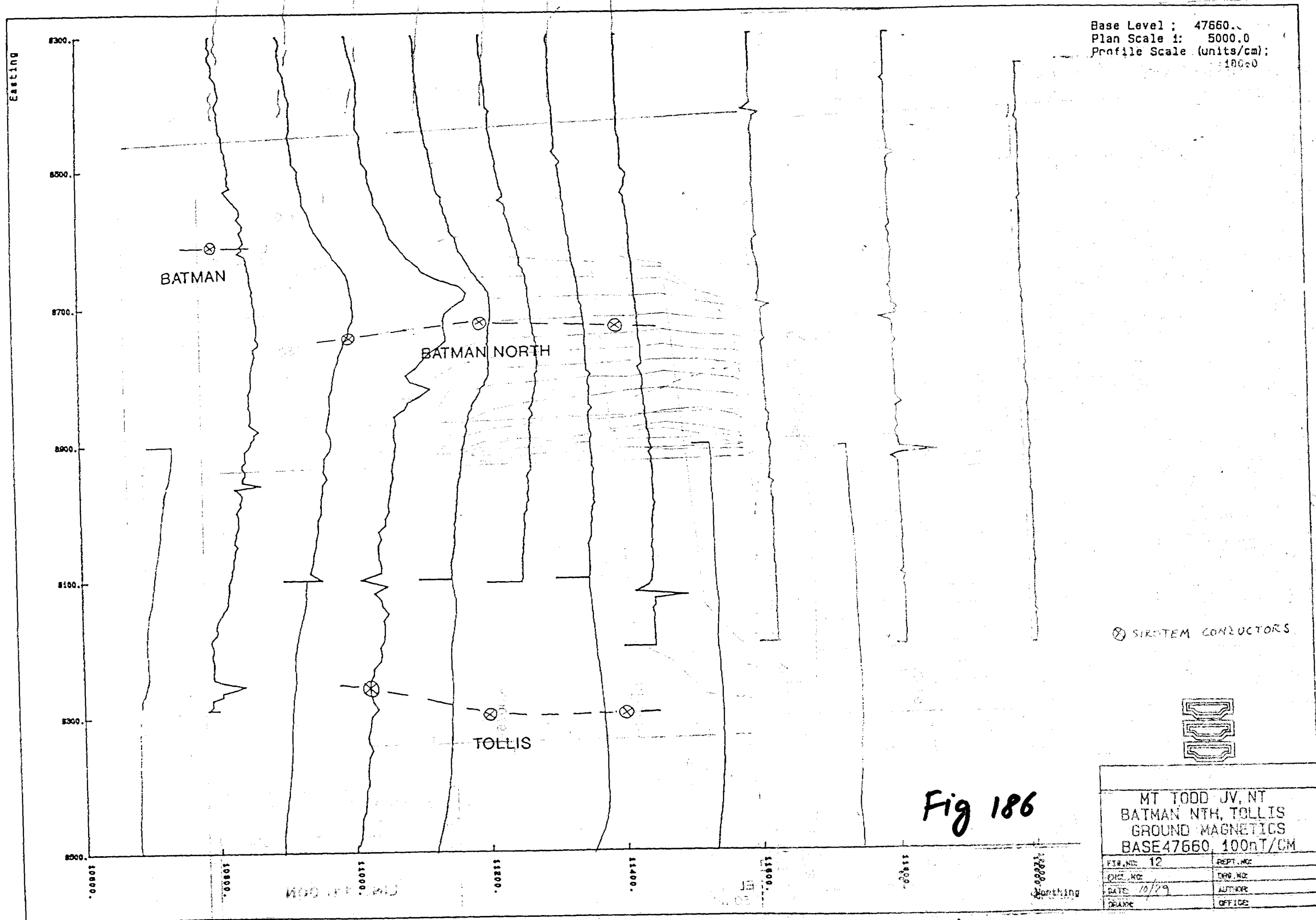
Line 1060CN

Author N.H. Date 9/89 Scale 1:5000

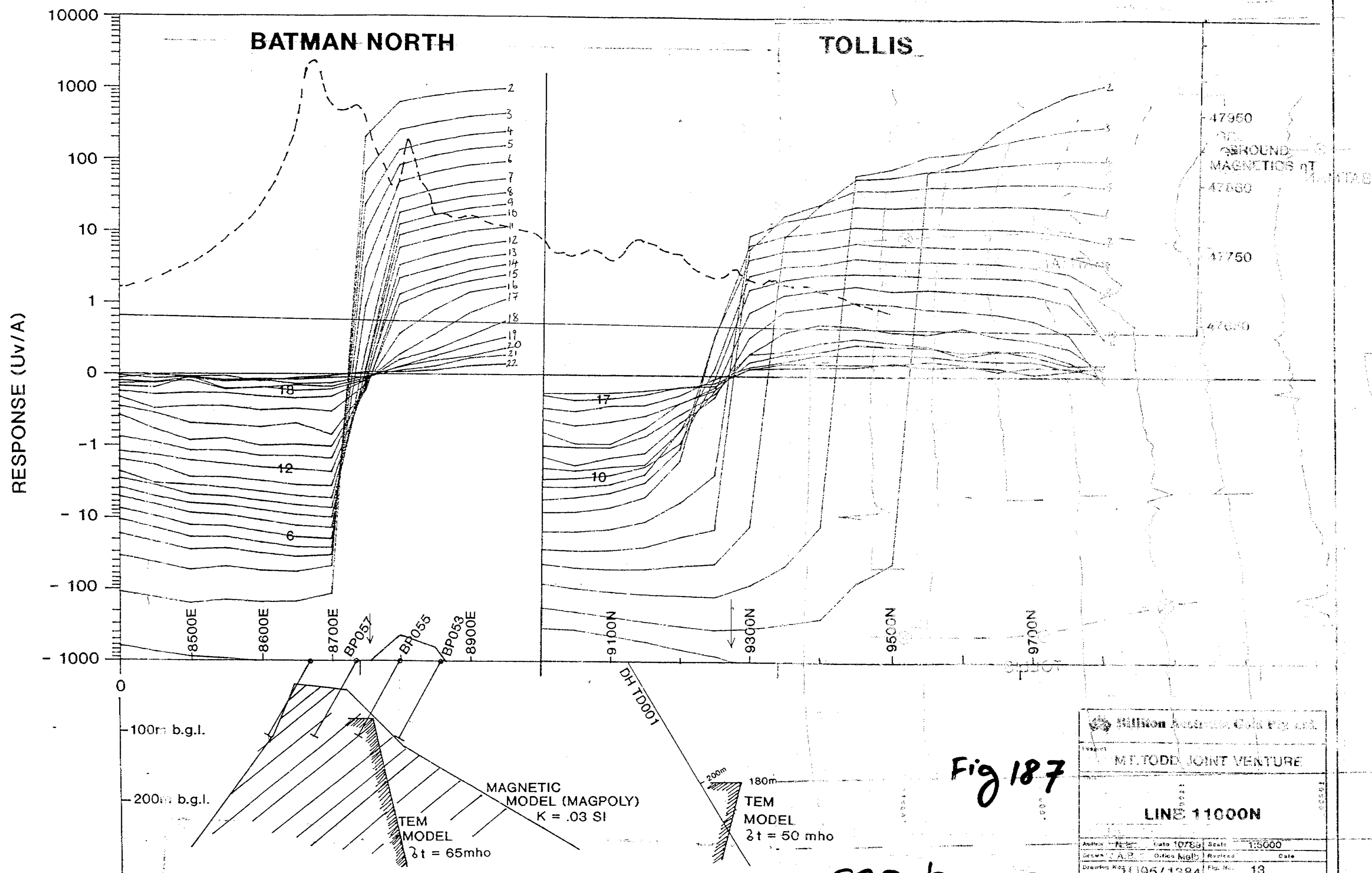
Drawn H.S. Office Revised Date

Drawing No. HJ95/1392



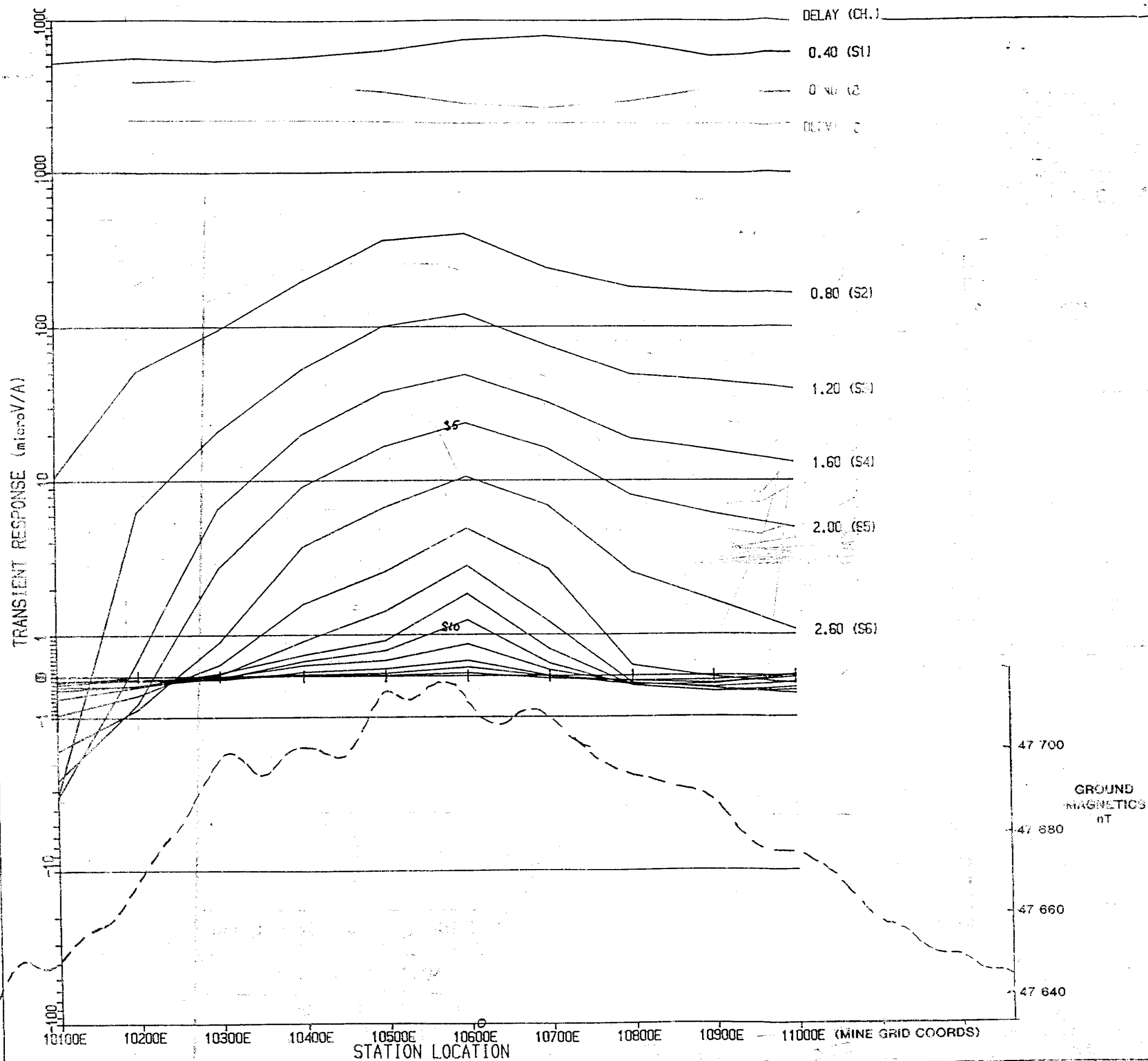


CR 90 1348 AF



CR 90/348 AF

Millington Associates Gold Pty Ltd.			
MILTODD JOINT VENTURE			
LINE 11000N			
Author: N. B.	Date: 10/83	Scale: 1:5000	
Drawn: A. B.	Office: N. B.	Revised:	Date:
Drawings No: 1095/1984	Fig. No: 13		



DELAY (CH.)

0.40 (S1)

0.80 (S2)

1.20 (S3)

1.60 (S4)

2.00 (S5)

2.60 (S6)

SURVEY SPECIFICATIONS

DATA ACQUISITION : MAGSKIMMING GEOPHYSICS

SURVEY DATE : AUGUST 1989

CONFIGURATION : 200M SQUARE TX. 100P
IN LOOP RECEIVER

READING INT. : 100 METRES

NO. OF STACKS : 512

TRANSMITTER : MEDWAVE POWER

RECEIVER : SIROTEM 11 31W 1235

CURRENT : 15.4 AMPS

OPERATOR : P. MAGSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE : 1:10000

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

TIME DELAYS IN MILLISECONDS

E - EARLY TIME WINDOW

S - STANDARD TIME WINDOW

Fig 189

BILLITON GOLD

MT. TODD
PENGUIN

SIROTEM PROFILE
LINE 12400N

SCALE : 1:10000

CR 90/348 AF

CR90/348 A-F

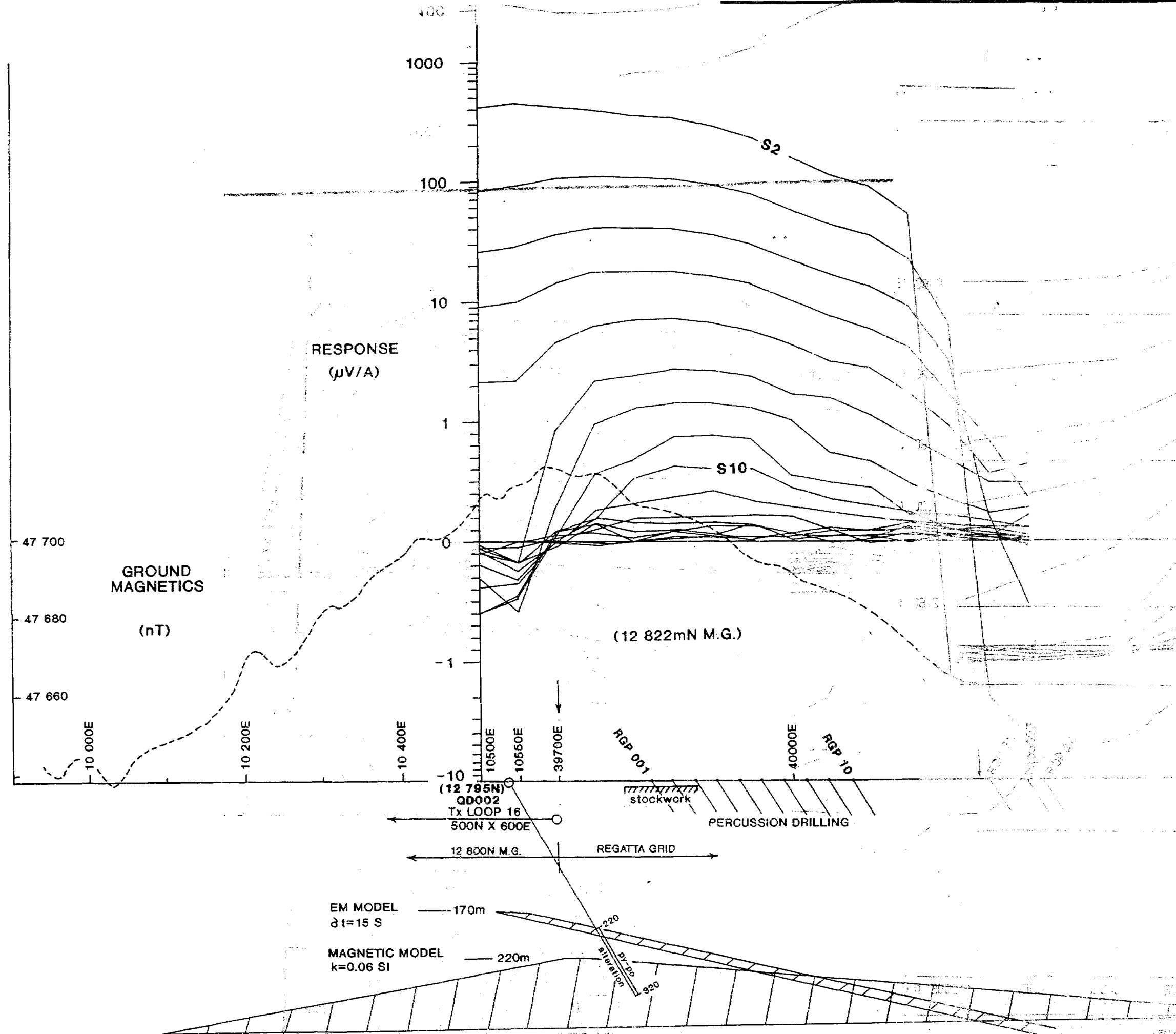


Fig 190

Billiton Australia Gold Pty Ltd.		
MT. TODD J.V. (N.T.)		
REGATTA AREA		
LINE 40 200N		
SIPROTEM FIXED LOOP		
Z-COMPONENT		
Author: R.H.	Date: 10.89	Scale: 1:5000
Drawn: J.A.M.	Office: KAO	Revised: 1.06
Checked: J.A.M.	Fig. No.: HJ85/1472	Fig. No.: 18

RESPONSE ($\mu\text{V/A}$)

GROUND MAGNETICS nT

13 100 N

13 300 N

13 500 N

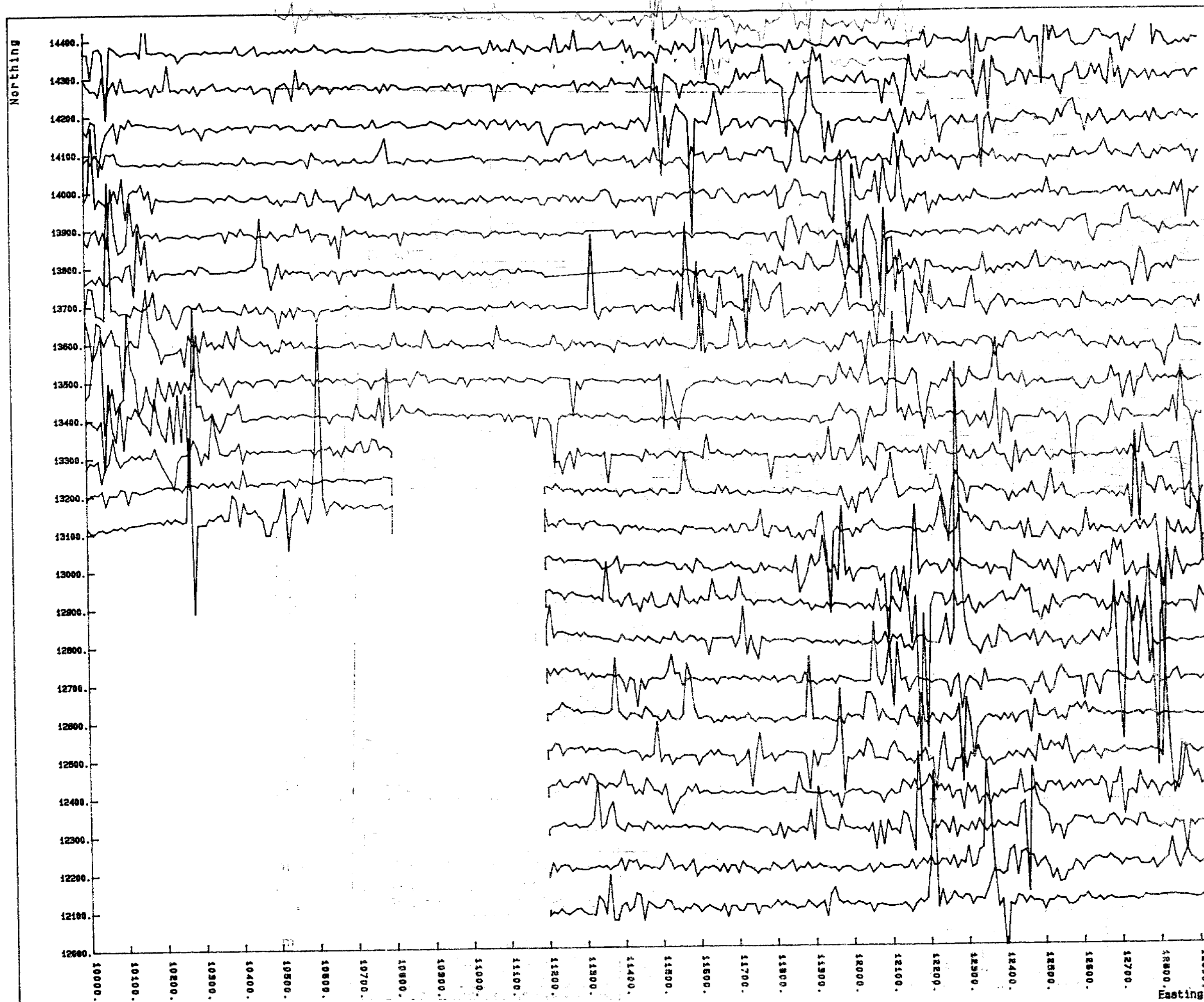
Tx LOOP 15
500 N X 600 E

modelled EM conductor
150m
250m
2t=20S

Mt. TODD J.V., NT
QUIGLEYS AREA
LINE 10 900 E
SIROTEM FIXED LOOP
Z-COMPONENT

Fig 192

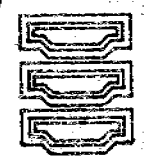
Fig. 20



Base Level : 47240.0
 Plan Scale : 10000.0
 Profile Scale (units/cm): 50.0

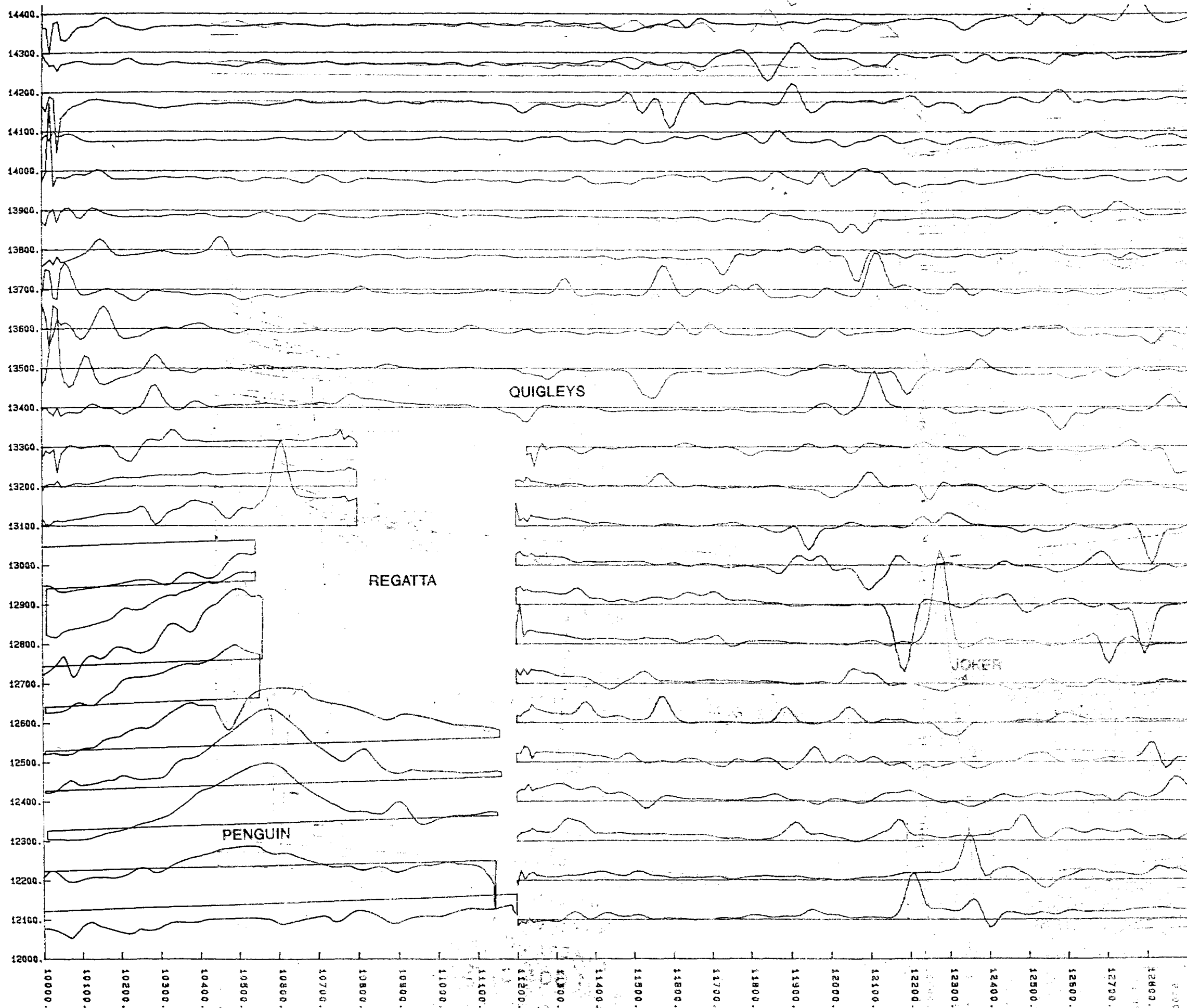
CR 901348AF

Fig 194



MT TOOD JOKER/GUIGLEYS GROUND MAGNETICS	
FIG. NO: 22	SCALE: 1:40 000
ENC. NO:	DRG. NO:
DATE: 11/89	AUTHOR:
DRAME:	OFFICE:

North



Base Level : 47240.0
Plan Scale 1: 10000.0
Profile Scale (units/cm): 50.0

N.B. Penguin mag data from
data digitised to mine
coordinates

CR 00/348AF

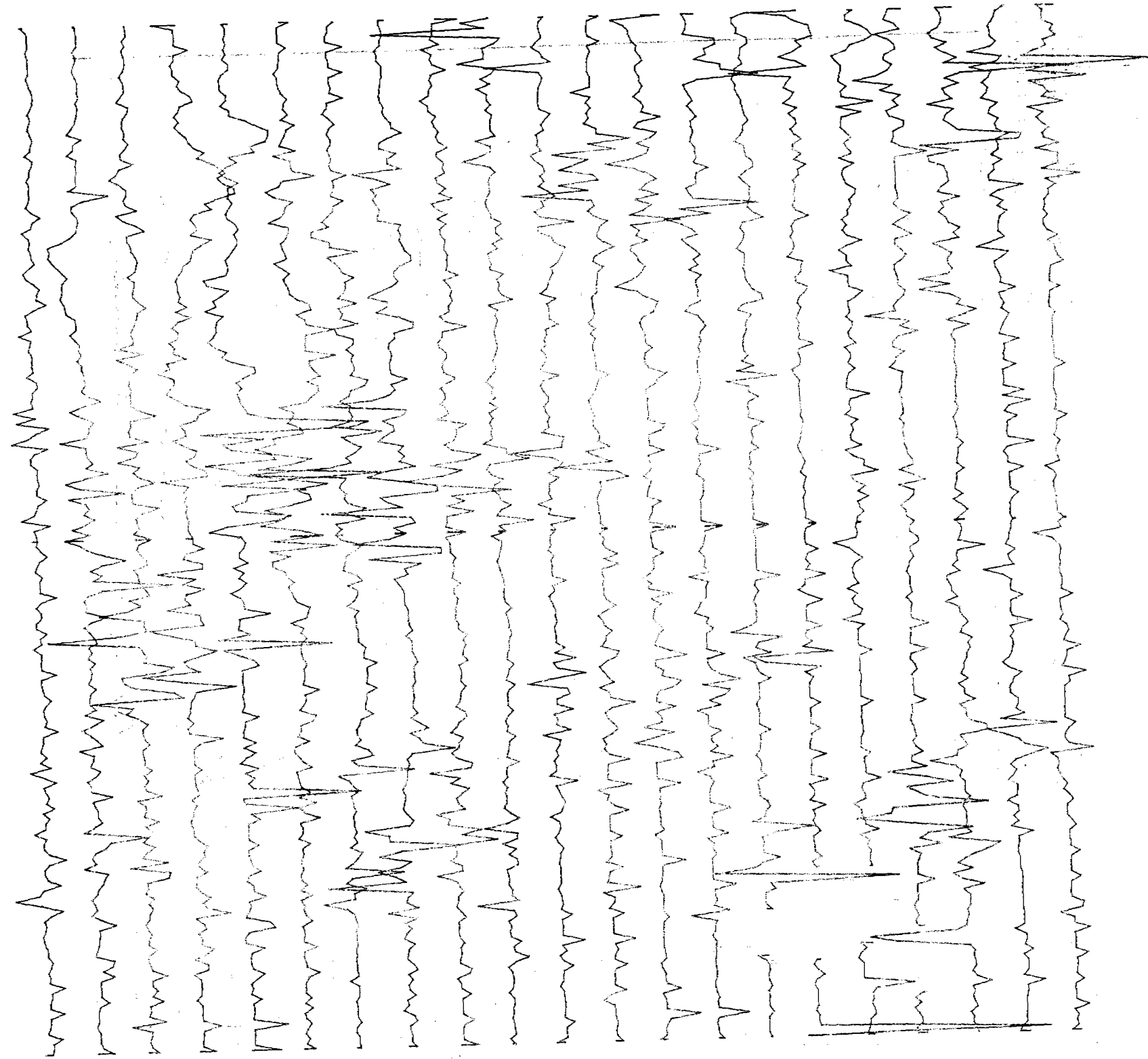
Fig 195

MT TODD JOKER/QUIGLEYS GROUND MAGNETICS 11pt Filter	
FIG. NO. 29	SCALE: 1:10 000
ENC. NO.	DWG. NO.
DATE: 11/89	AUTHOR:
DRAWN:	OFFICE:

Base Level : 48850.0
 Plan Scale 1: 10000.0
 Profile Scale (units/cm):
 100.0

Easting

10900.
11100.
11300.
11500.
11700.
11900.
12100.
12300.
12500.
12700.
12900.
13100.
13300.



Northing

Fig 196

MT TODD, N.T.
 CAIKOMAN AREA
 GROUND MAGNETICS
 48850nT, 100nT/cm

FIG. NO. 24	SCALE: 1:10,000
ENCL. NO.	CRS. NO.
DATE:	AUTHOR: N.H.
DRAWN: 6/8/89	OFFICE:

CR90/348AF

CR 90/348 AF

Base Level : 46850.0
Plan Scale 1: 10000.0
Profile Scale (units/cm):
100.0

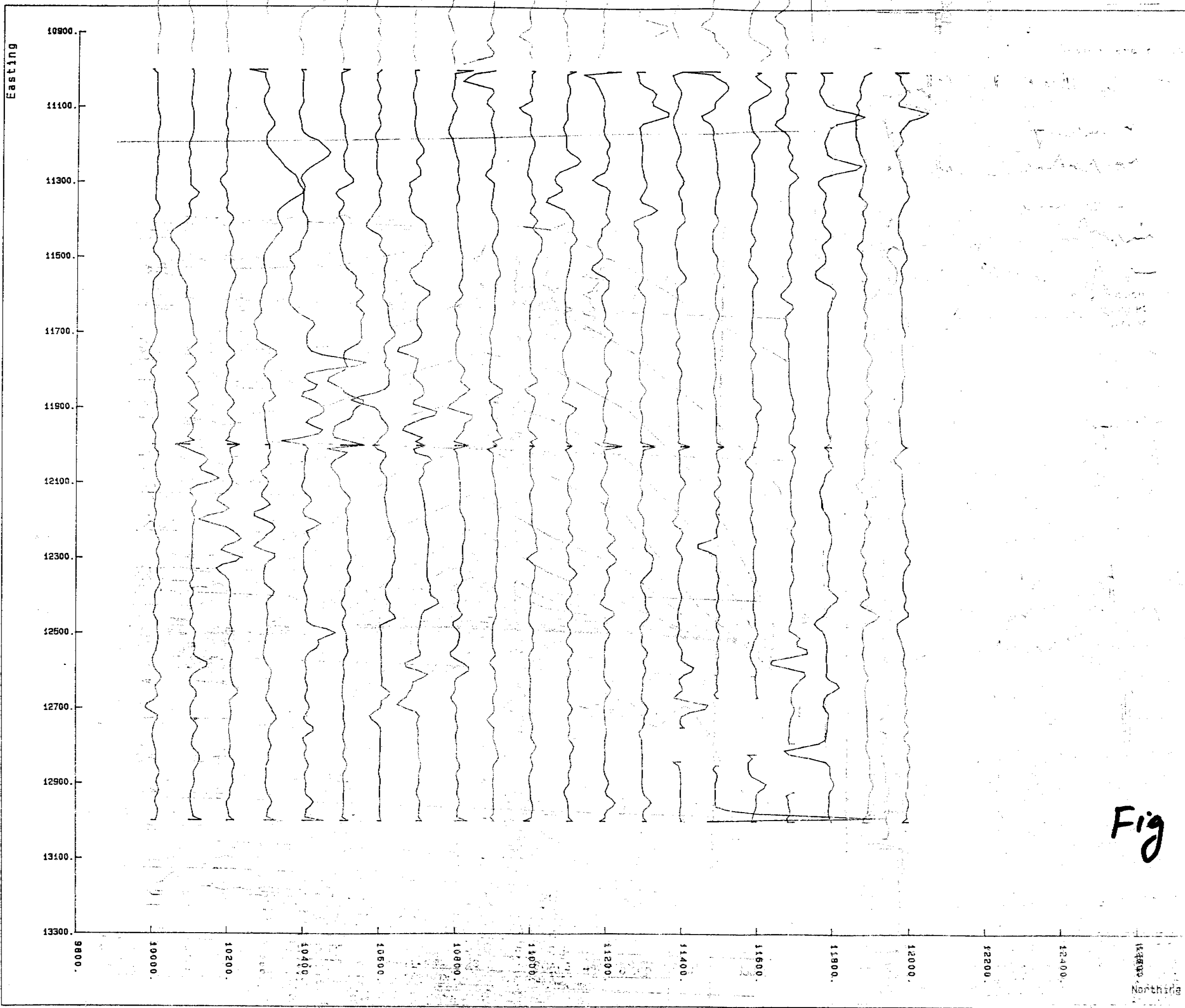
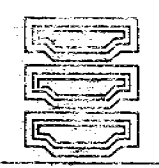


Fig 197



MT TODD J.V., N.T. CATWOMAN AREA GROUND MAG, 5PT. FILT 46850nT, 100nT/cm	
FIG. NO: 25	SCALE: 1:10 000
ENCL. NO:	DWG. NO:
DATE: 6/9/89	AUTHOR: M.H.
DRAWN:	OFFICE:

Appendix VII B
Sirotek Profiles
Batman, Robin, Tollis, Jones, Golf

CR 90/348 AG

APPENDIX VII - GEOPHYSICS

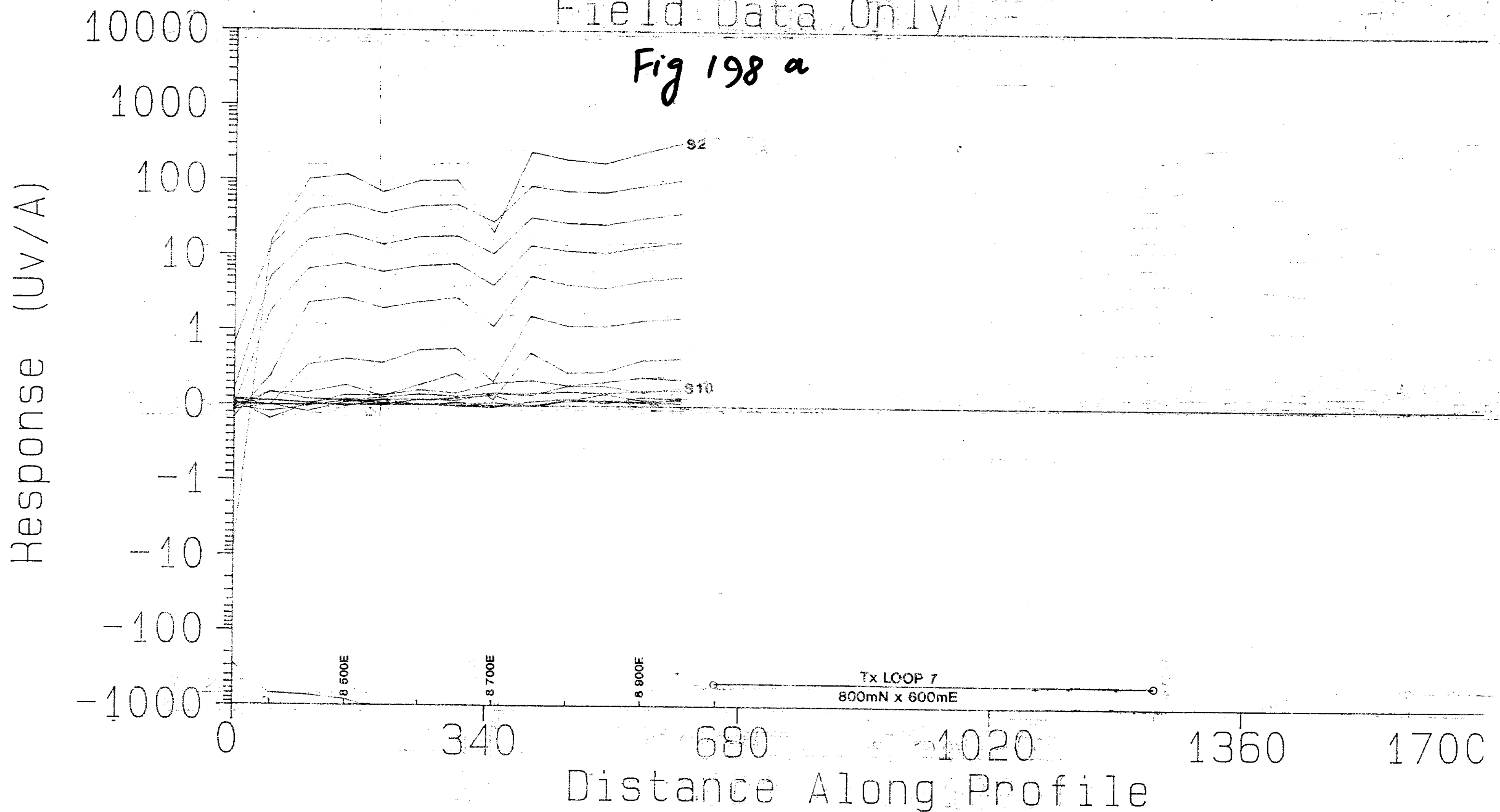
VII B GEOPHYSICS - SIROTEM PROFILES

Fig 198 Batman	Lines	9200N, 9400N, 9600N, 9700N, 9800N 9900N, 10000N, 10050N, 10100N, 10200N 10300N, 10400N, 10500N, 10600N, 10800N
199 Batman North	Lines	11000N, 11200N, 11400N, 11600N, 11800N
200 Robin	Lines	9700N, 9900N, 10700N, 10900N
201 Tollis	Lines	11000N, 11200N, 11400N, 11600N, 11800N 12000N, 12200N, 12400N, 12600N, 12800N 13000N
202 Jones	Lines	11000N, 11200N, 11400N, 11600N
203 Golf	Lines	11800N, 12000N
204 Golf North	Lines	12700N, 12900N

Batman CR90/348AG

Line=9200N Maskimming Sirote
Fixed Loop TX, Roving Surface RX - Z Component
Field Data Only

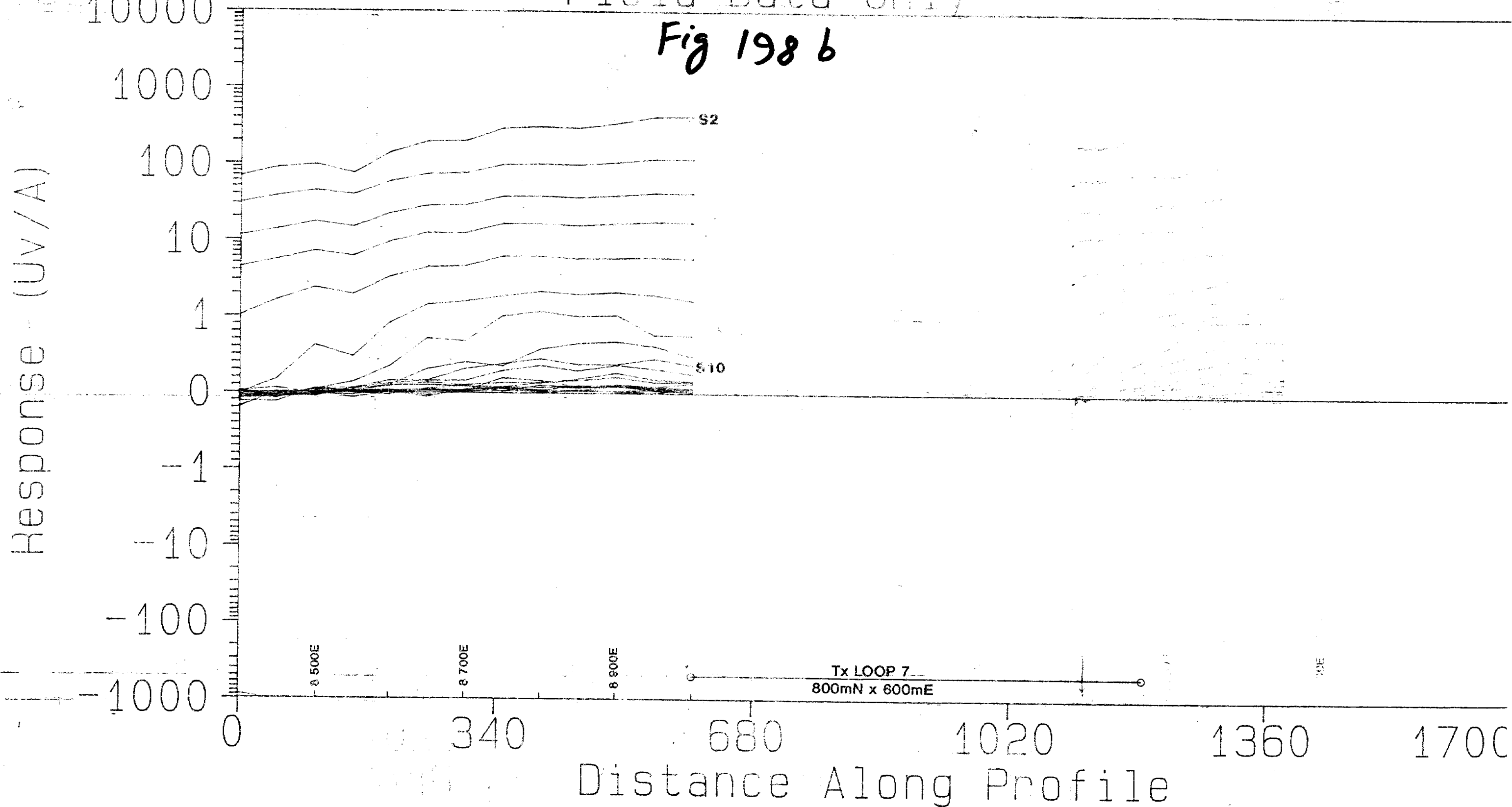
Fig 198 a



Batman CR90/348AG

Response Profile TEM Response Profile
Masking Line=9400N Maskimming Sirote=9400N
Fixed Loop TX, Roving Surface RX - Z Component
Field Data Only

Fig 198 b



Balman

CR 90/348AG

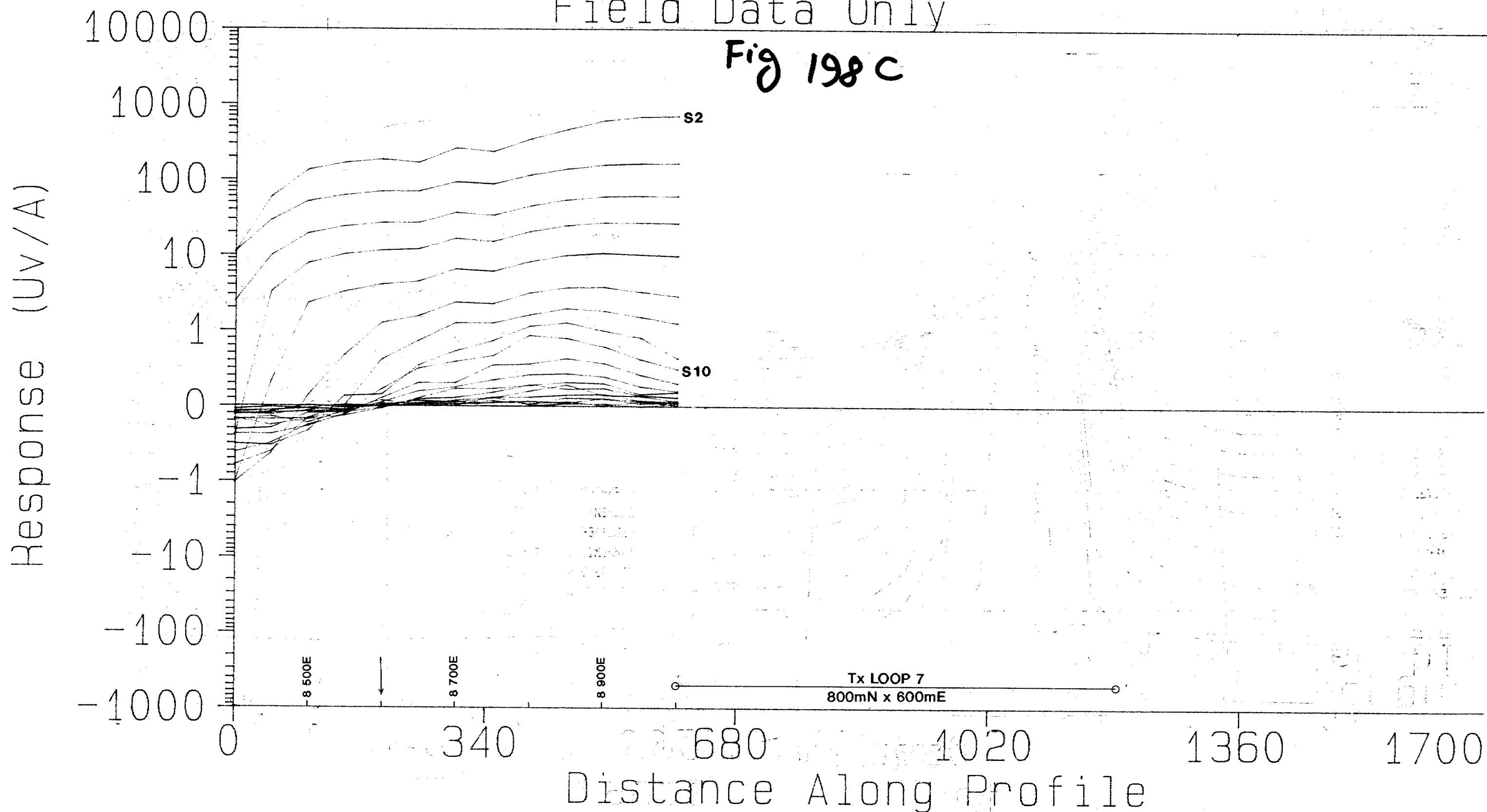
TEM Response Profile

Line=9600N - Maskimming Sirote

Fixed Loop TX, Roving Surface RX - Z Component

Field Data Only

Fig 198C



CR 90 1348 AG

Bstman

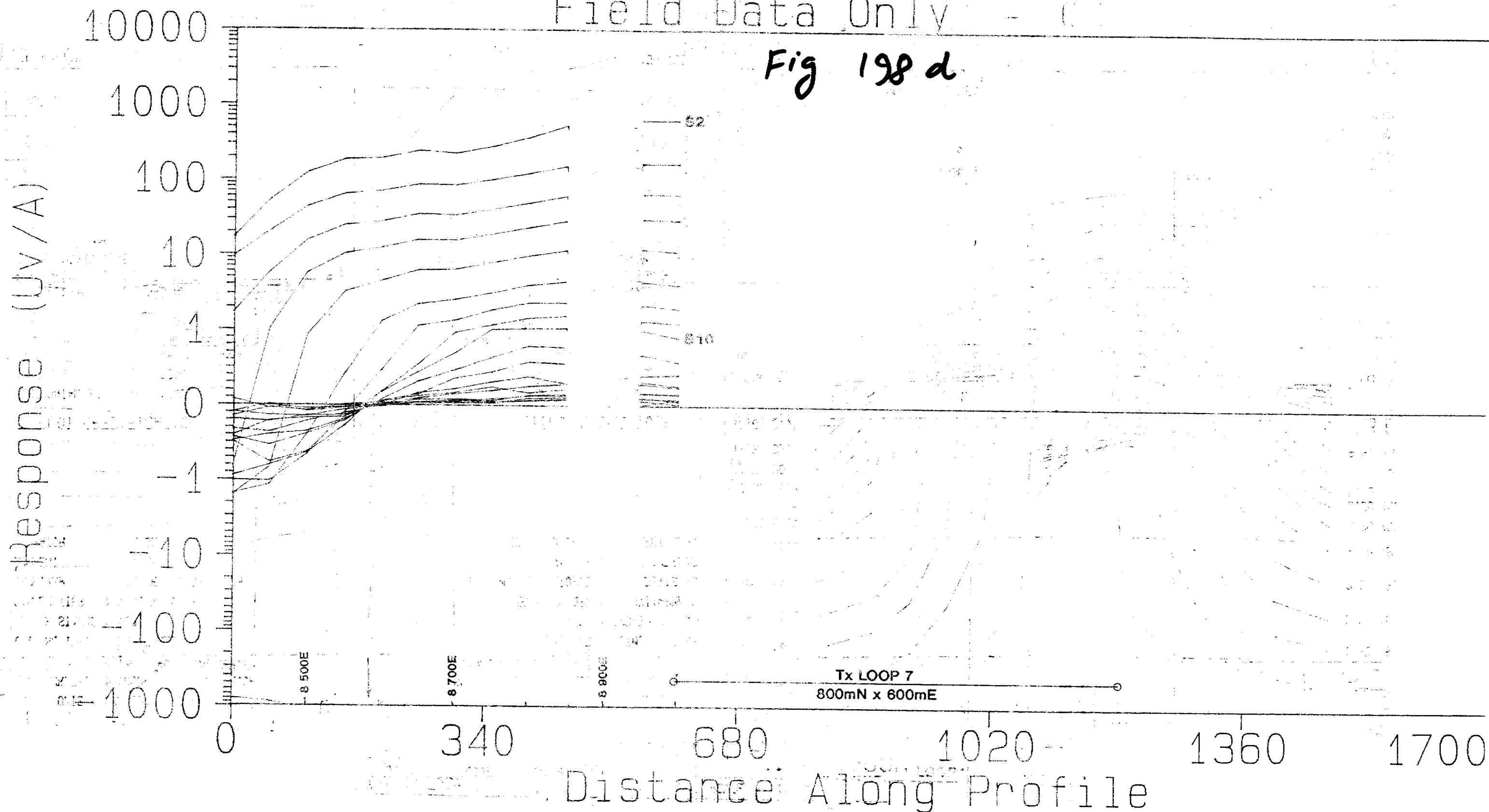
TEM Response Profile

Line=9700N Maskimming Sirote

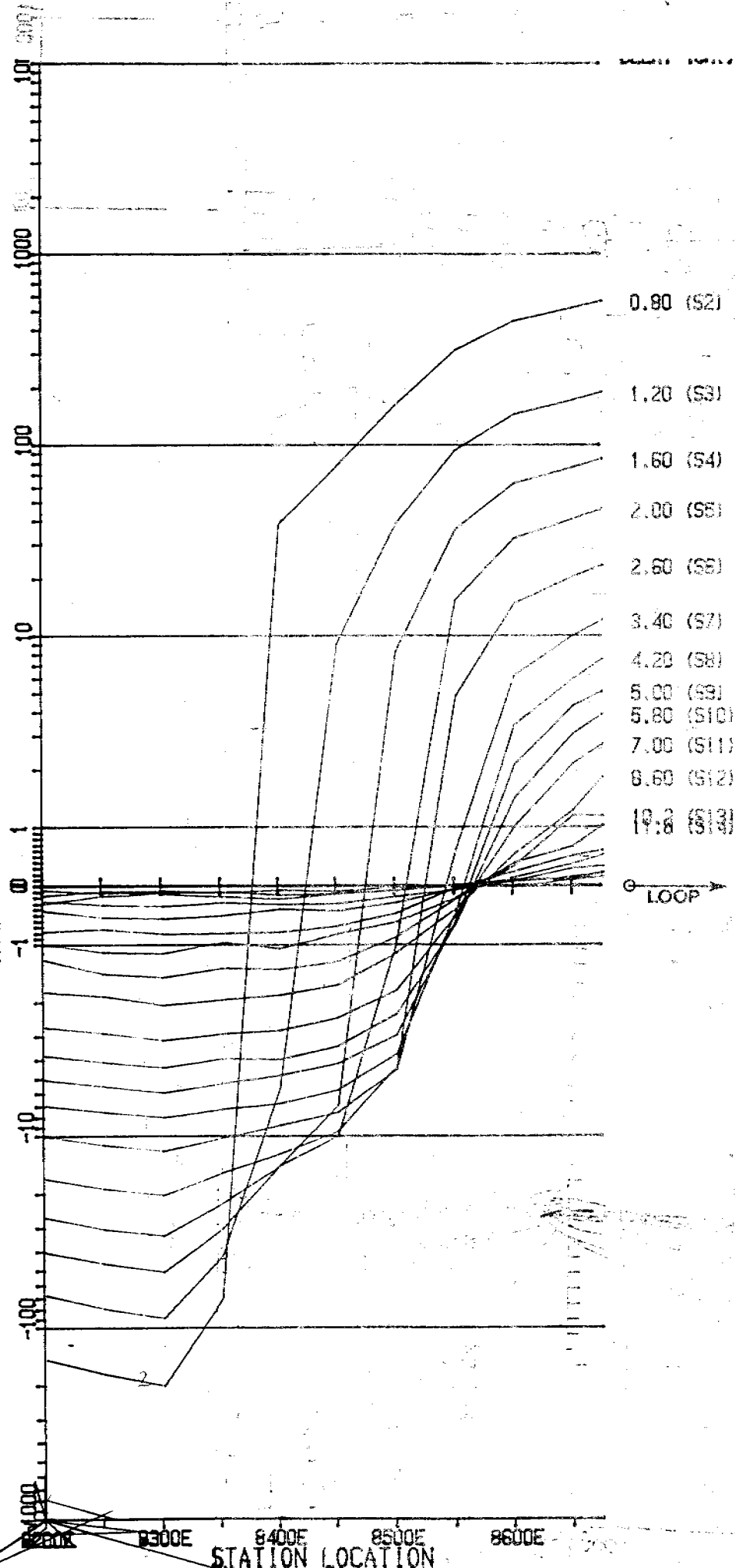
Fixed Loop TX, Roving Surface RX - LZ Component

Field Data Only

Fig 198 d



TRANSIENT RESPONSE (microV/A)



SURVEY SPECIFICATIONS

DATA ACQUISITION : MCKIMMING GEOPHYSICS

SURVEY DATE : AUGUST 1989

CONFIGURATION : 1000M SQUARE TX. LOOP
TURAM MODE RVR SURVEY
Z COMP

READING INT. : 50 METRES

NO. OF STACKS : 1024

TRANSMITTER : MEDIUM POWER

RECEIVER : SIROTEM II S/N 1235

CURRENT : 8.1 AMPS

OPERATOR : P MCKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000

VERTICAL SCALE - LOGARITHMIC
3CM. PER DECADE
LINEAR BETWEEN
-1 AND +1

TIME DELAYS IN MILLISECONDS

E - EARLY TIME WINDOW

S - STANDARD TIME WINDOW

$\tau_0 = 3.78 \mu sec$

Fig 198e

CR 90/348 AG

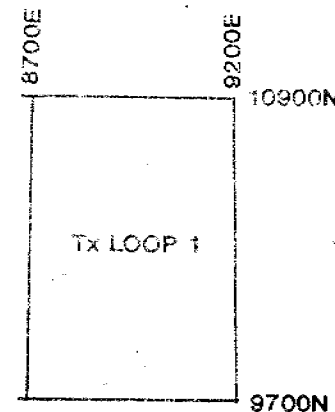
BILLITON GOLD

MT. TODD
BATMAN

SIROTEM PROFILE
LINE 9800N

LOOP 1

SCALE - 1:5000



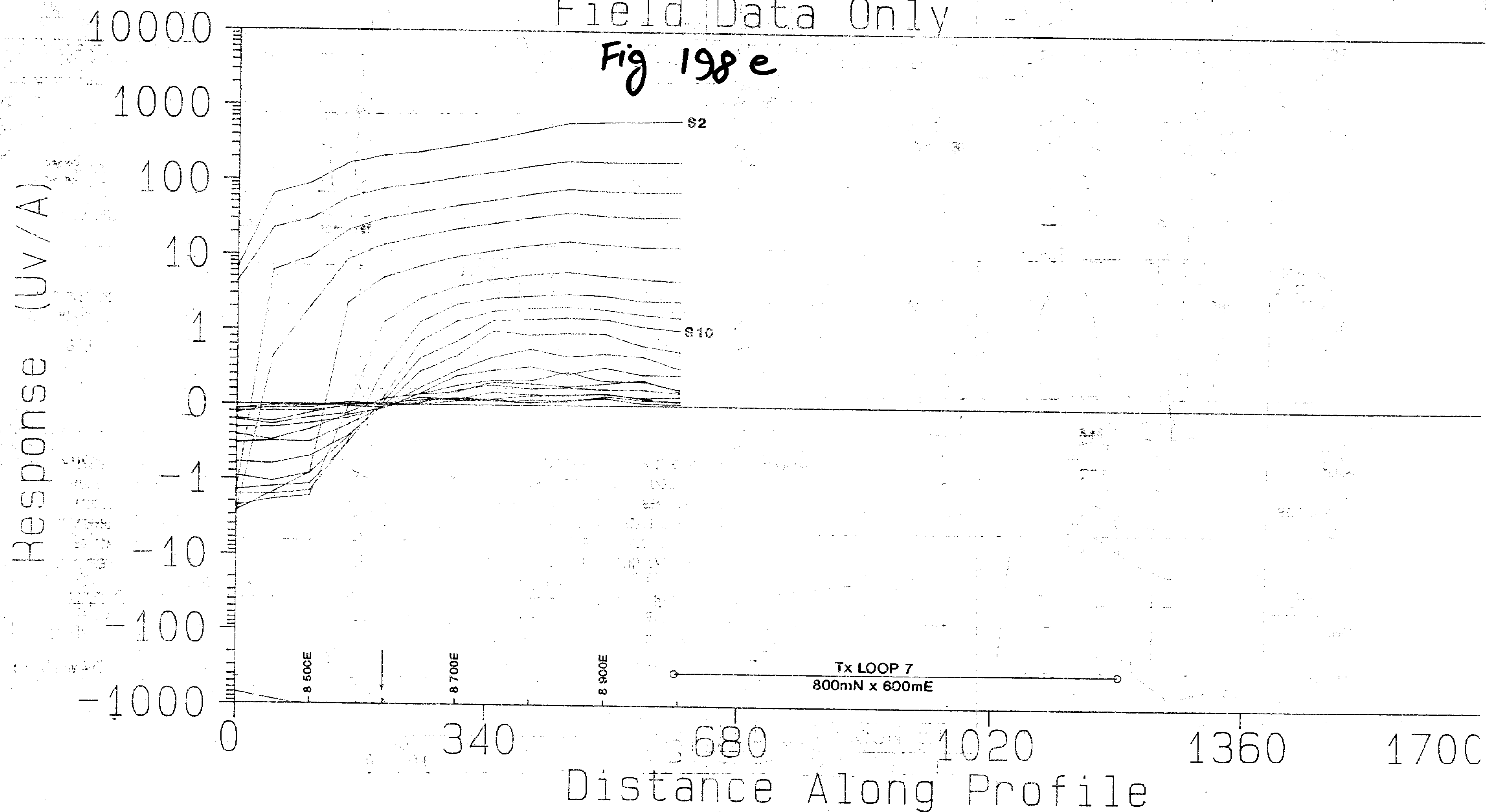
2082

1082

Batman

CR 90/348AG

TEM Response Profile
Line=9800N Maskimming Siroteam
Fixed Loop TX, Roving Surface RX - Z Component
Field Data Only



Batman CR 90/348 AG

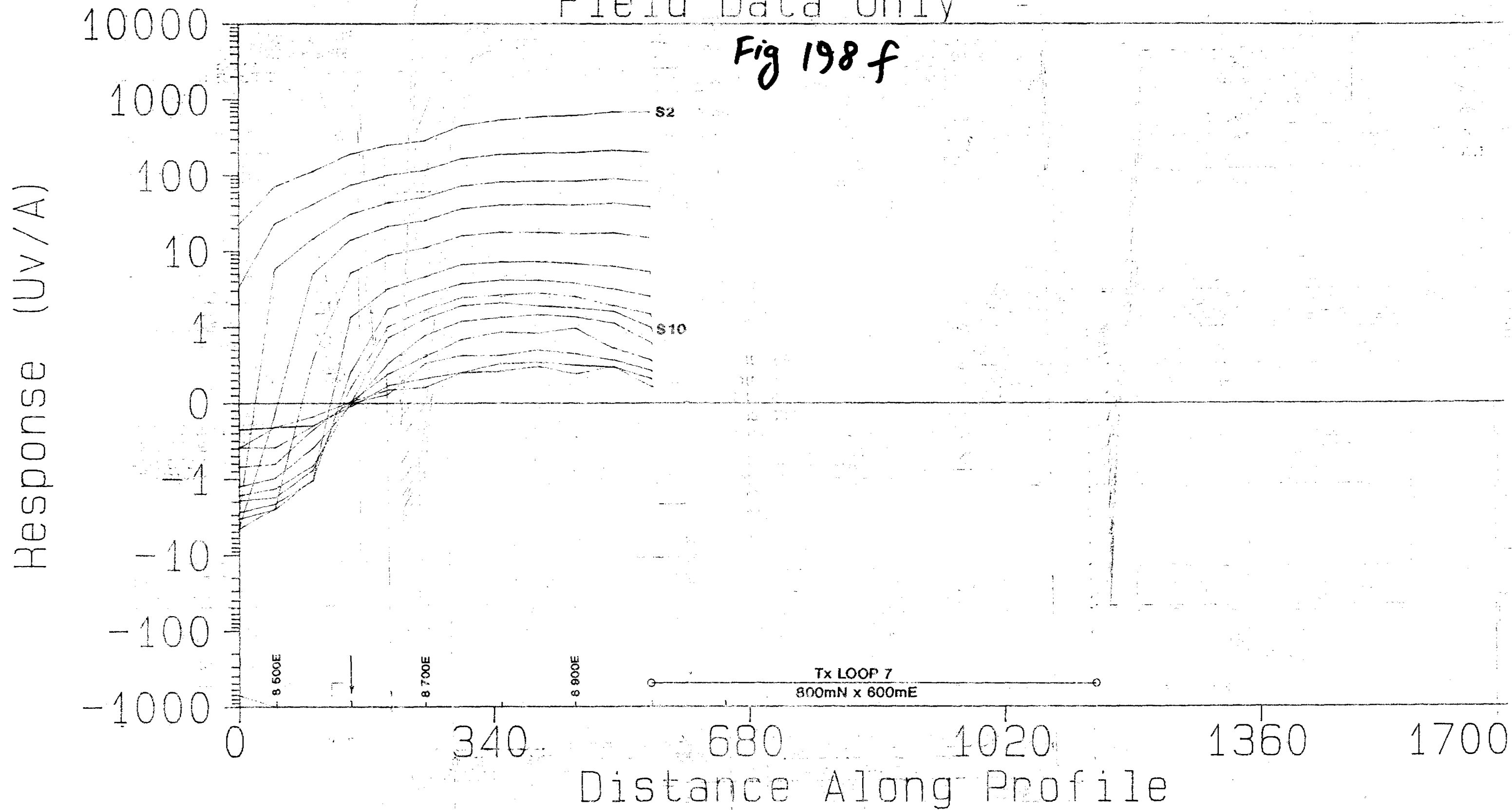
TEM Response Profile

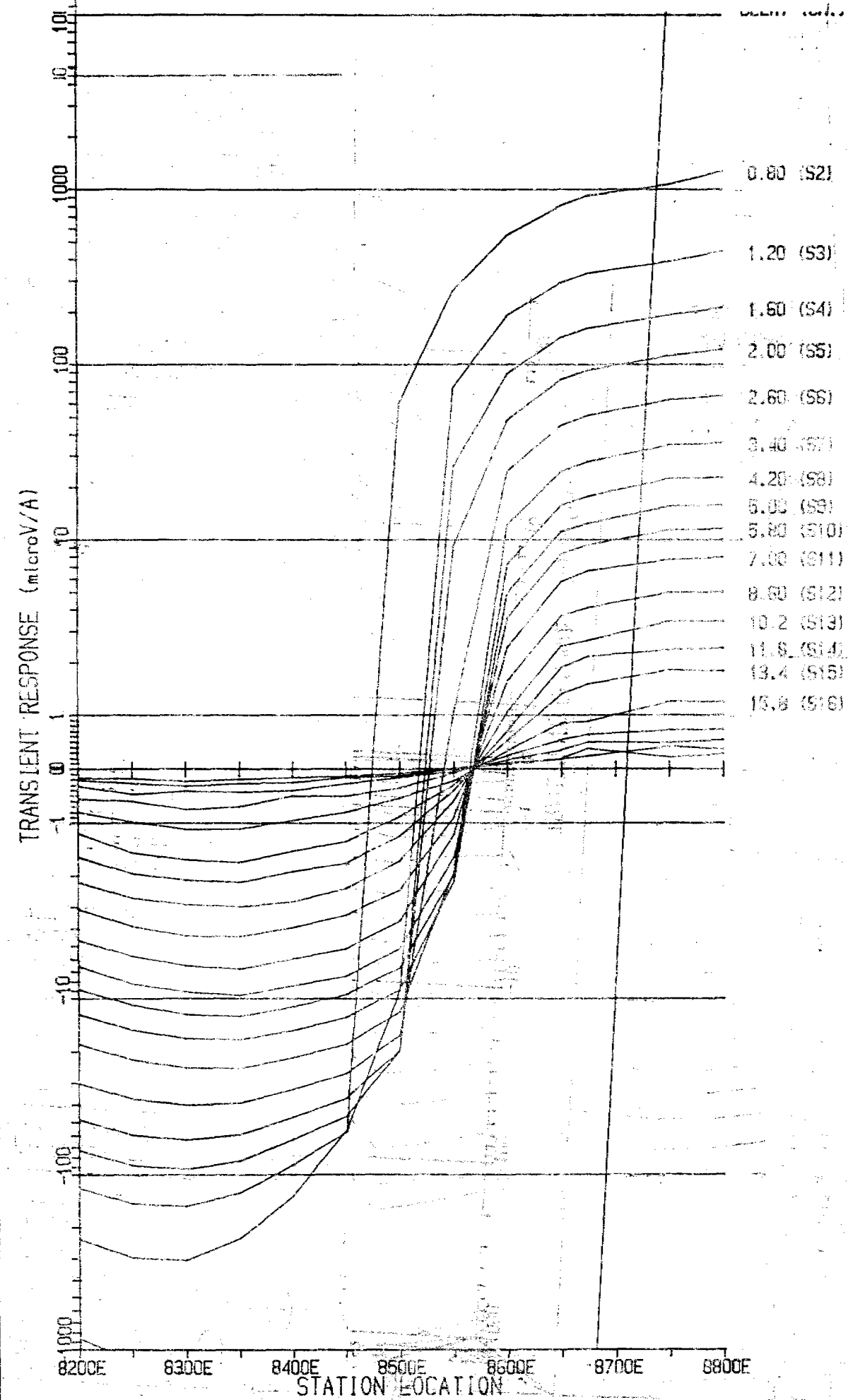
Line=9900N - Maskimming Sirote

Fixed Loop TX, Roving Surface RX - Z Component

Field Data Only

Fig 198 f





SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : AUGUST 1989

CONFIGURATION : 1000M SQUARE TX. LOOP
TURAN MODE RVR SURVEY
2-COMT

READING INT. : 80 METRES

NO. OF STACKS : 1024

TRANSMITTER : MEDIUM POWER

RECEIVER : SIROTEM II S/N 1236

CURRENT : 8.1 AMPS

OPERATOR : P. McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE : 1:5000

VERTICAL SCALE : LOGARITHMIC
3CM. PER DECADE
LINEAR BETWEEN
-1 AND +1

TIME DELAYS IN MILLISECONDS

E - EARLY TIME WINDOW

S - STANDARD TIME WINDOW

$T_0 = 378 \mu\text{sec}$

Fig 1989
CR 90/348 AG

BILLITON GOLD

MT. TODD

BATMAN *Batman*

SIROTEM PROFILE

LINE 10000N

SCALE : 1:5000

LOOP 1

1501

2082

Batman

CR 90/348 AG

TEM Response Profile

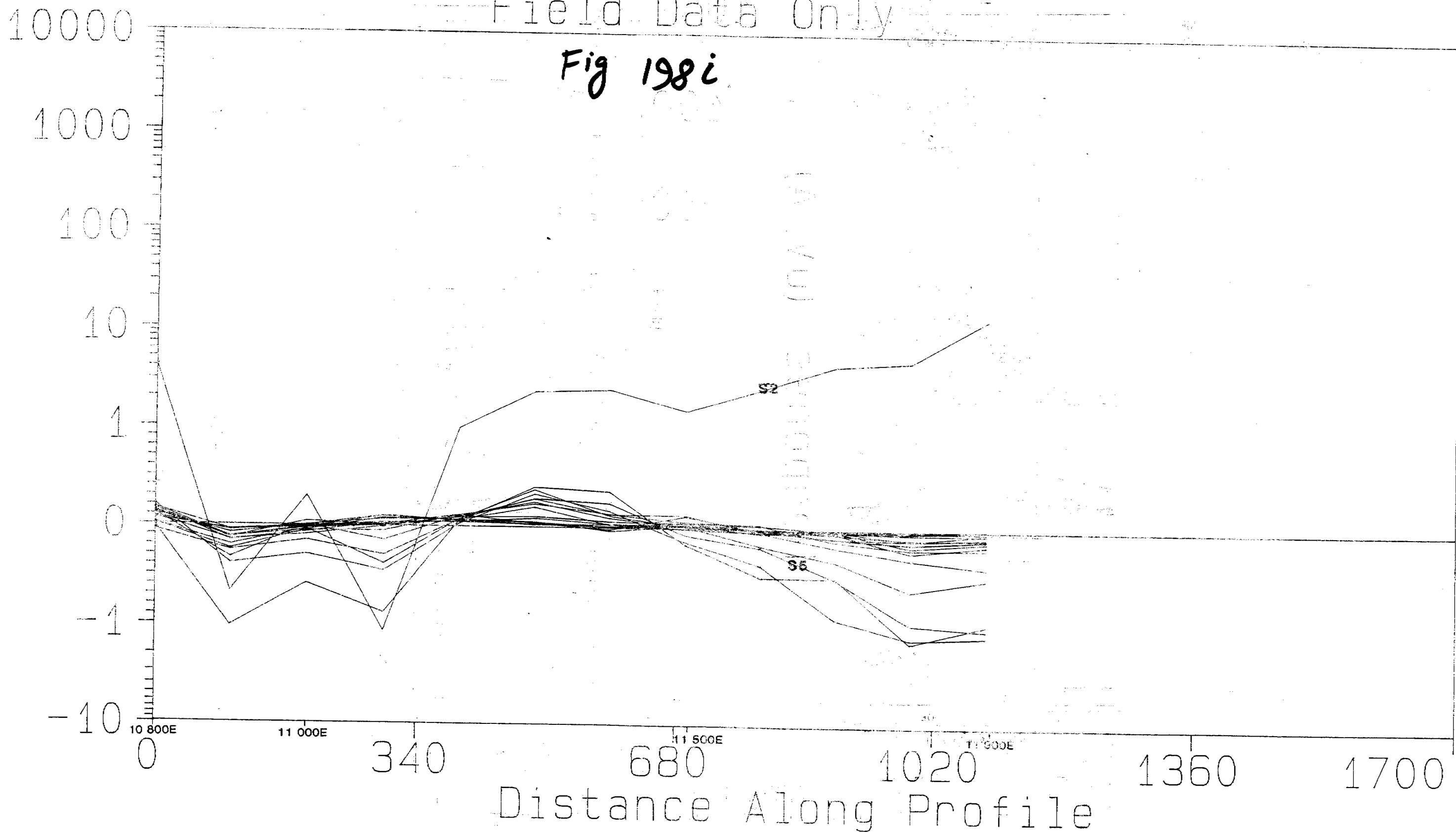
MT TODD, ~~ROBIN~~, 10100N, SIROTEM ST, 200M, INLOOP

Coincident Loop - Z Component

Field Data Only

Fig 198i

Response (uV/A)



CR90/348AG

SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : AUGUST 1999
 CONFIGURATION : ^{GROUND} 100M-SQUARE TX. LOOP,
 TURAM MODE RVR SURVEY
 READING INT. : 50 METRES
 NO. OF STACKS : 2048
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM II S/N 1236
 CURRENT : 1.0 AMPS
 OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 3CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

TIME DELAYS IN MILLISECONDS
 E - EARLY TIME WINDOW
 S - STANDARD TIME WINDOW

Fig 198 J

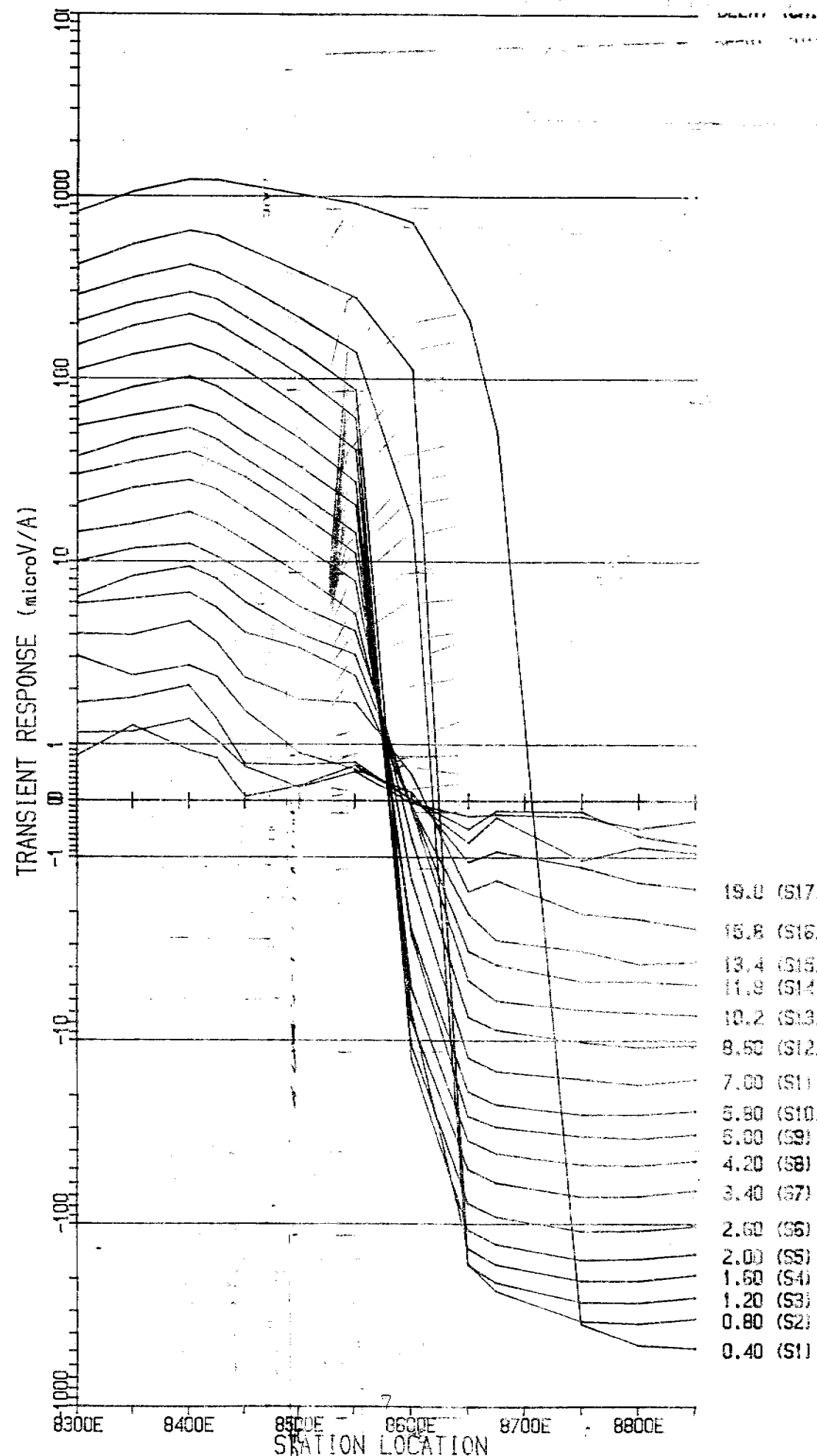
BILLITON GOLD

MT. TODD
 BATMAN

SIROTEM PROFILE
 LINE 10200N G.W.

SCALE - 1:5000

1082



CR901348 AG

SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : AUGUST 1989
 CONFIGURATION : 1000M SQUARE TX. LOOP,
 TURAM MODE RVR SURVEY
 Z-COIL
 READING INT. : 50 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM II S/N 1236
 CURRENT : 8.1 AMPS
 OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 3CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

TIME DELAYS IN MILLISECONDS
 E - EARLY TIME WINDOW
 S - STANDARD TIME WINDOW
 $T_0 = 378 \mu sec$

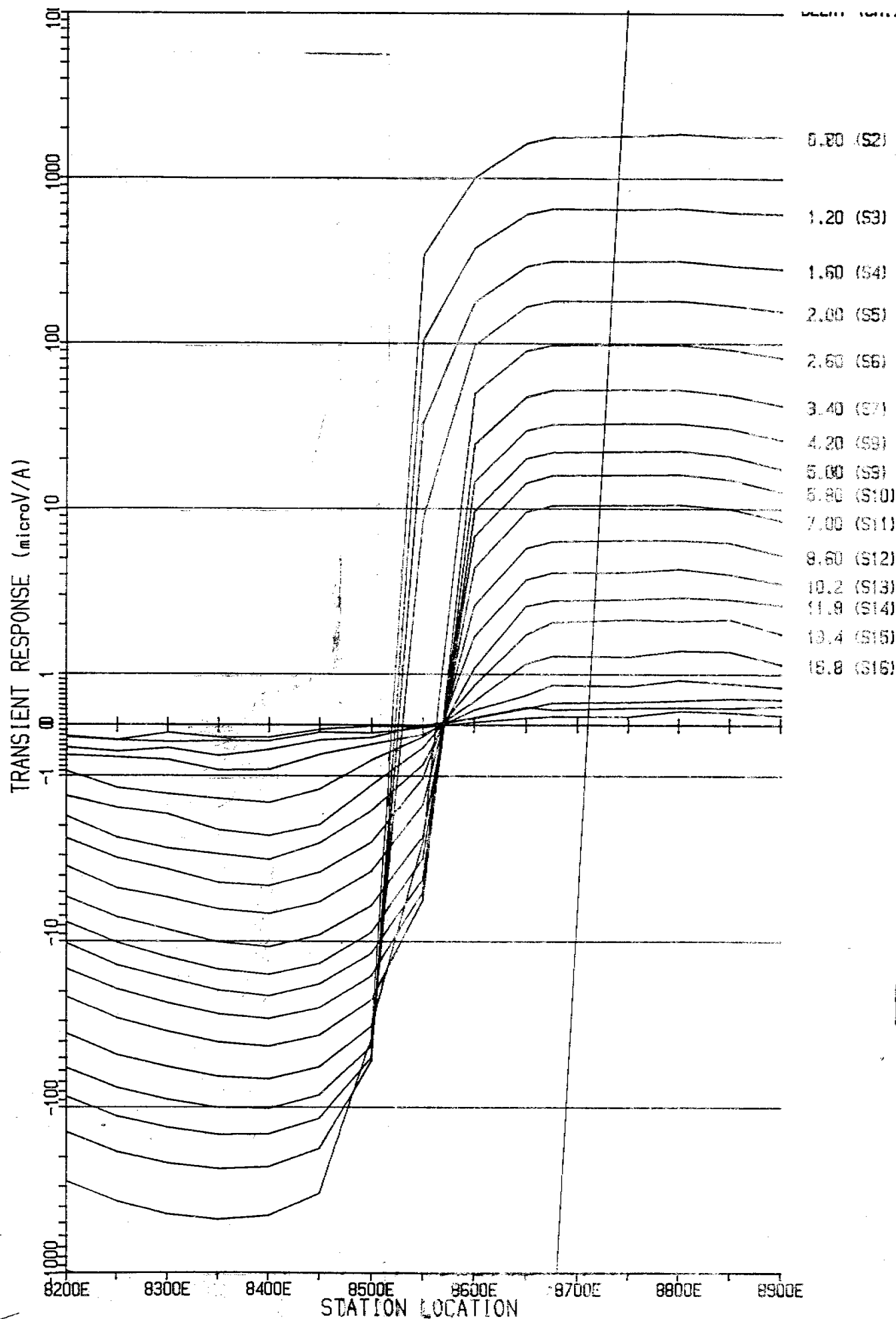
Fig 198 J

BILLITON GOLD

MT. TODD
 BATMAN

SIROTEM PROFILE
 LINE 10200N LOOP 1

SCALE - 1:5000



2082

Batman

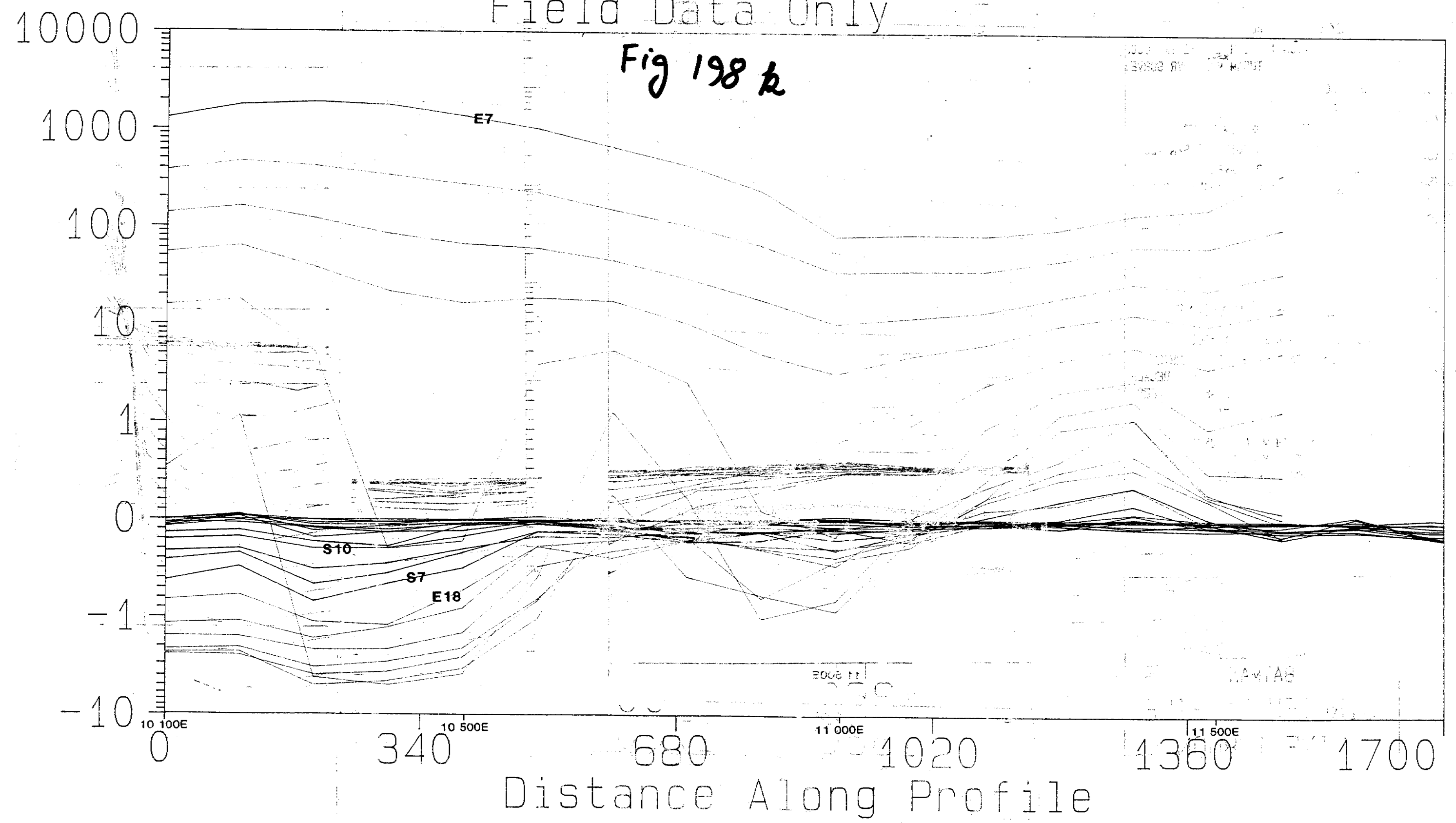
CR 90/348AG

3000 MT NO

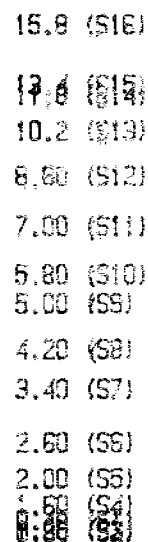
9.00 TEM Response Profile
MT TODD, ~~ROBIN~~, 10300N, SIROTEM ST, 200M INLOOP
Coincident Loop - Z-Component
Field Data Only

Fig 198 k

Response (uV/A)



CR90/348 AG



SURVEY SPECIFICATIONS

DATA ACQUIS'N : McSKIMMING GEOPHYSICS

SURVEY DATE : AUGUST 1989

CONFIGURATION : ~~1000M~~ SQUARE TX. LOOP

TURAM MODE RVR SURVEY

READING INT. : 50 METRES

NO. OF STACKS : 2048

TRANSMITTER : MEDIUM POWER

RECEIVER : SIGTEM II S/N 1236

CURRENT : 1.0 AMPS

OPERATOR : C MCKINNON

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000

VERTICAL SCALE - LOGARITHMIC
30M. PER DECADE
LINEAR BETWEEN
-1 AND +1

TIME DELAYS IN MILLISECONDS

E - EARLY TIME WINDOW

S - STANDARD TIME WINDOW

Fig 198e

BILLITON GOLD

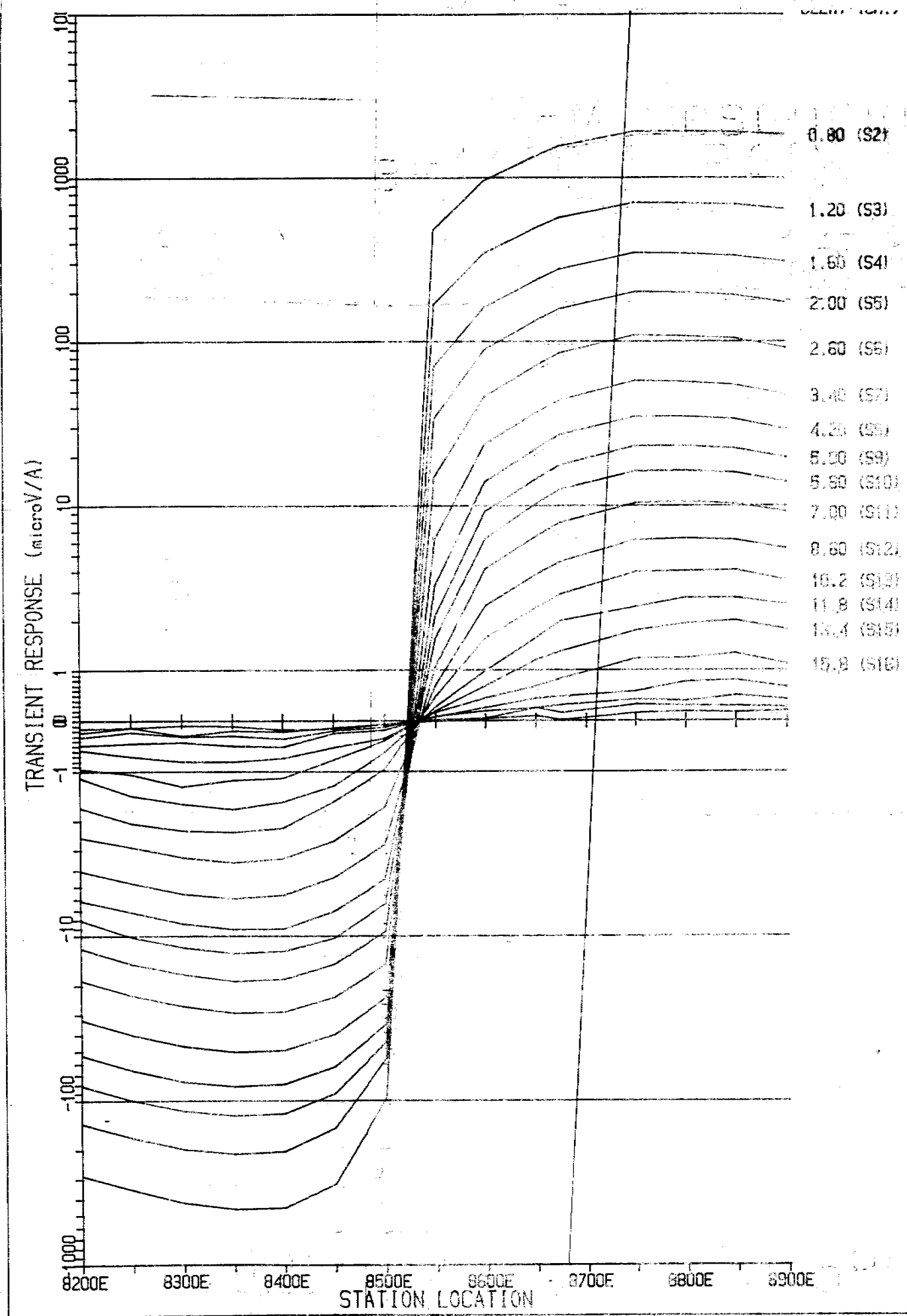
MT. TODD
BATMAN

SIROTEM PROFILE
LINE 10400N G.W.

SCALE - 1:5000

1072

CR 90348AG



SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : AUGUST 1989

CONFIGURATION : 1000M SQUARE TX. LOOP,
TURAM MODE RVR SURVEY

READING INT. : 50 METRES

NO. OF STACKS : 1024

TRANSMITTER : MEDIUM POWER

RECEIVER : SIROTEM II S/N 1236

CURRENT : 8.1 AMPS

OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000

VERTICAL SCALE - LOGARITHMIC
3CM. PER DECADE
LINEAR BETWEEN
-1 AND +1

TIME DELAYS IN MILLISECONDS

E - EARLY TIME WINDOW

S - STANDARD TIME WINDOW
 $T_0 = 8.378 \mu sec$

Fig 198e

BILLITON GOLD

MT. TODD
BATMAN

SIROTEM PROFILE
LINE 10400N

SCALE - 1:5000

LOOP1

2082

CR 901348 AG

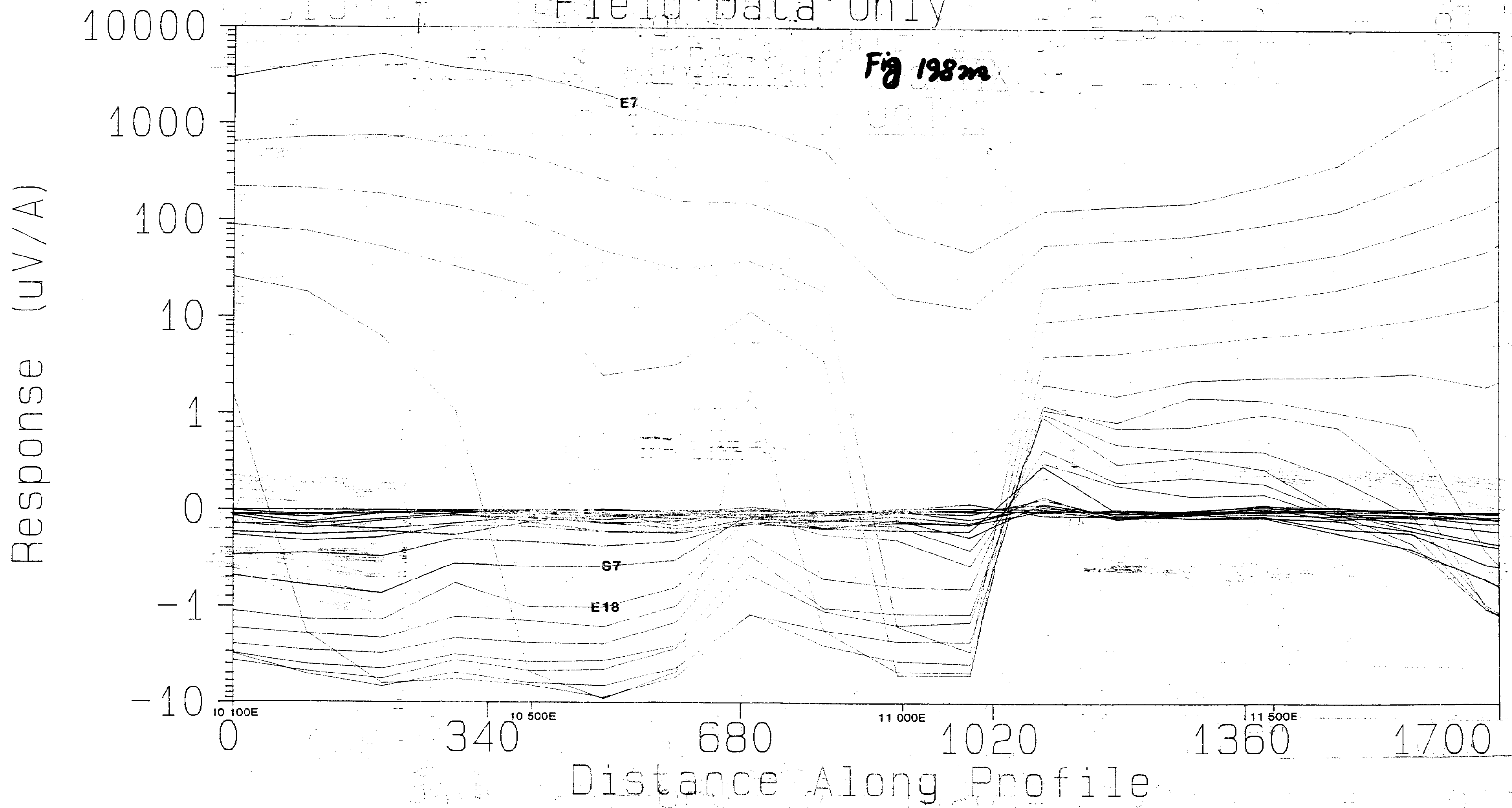
Batman

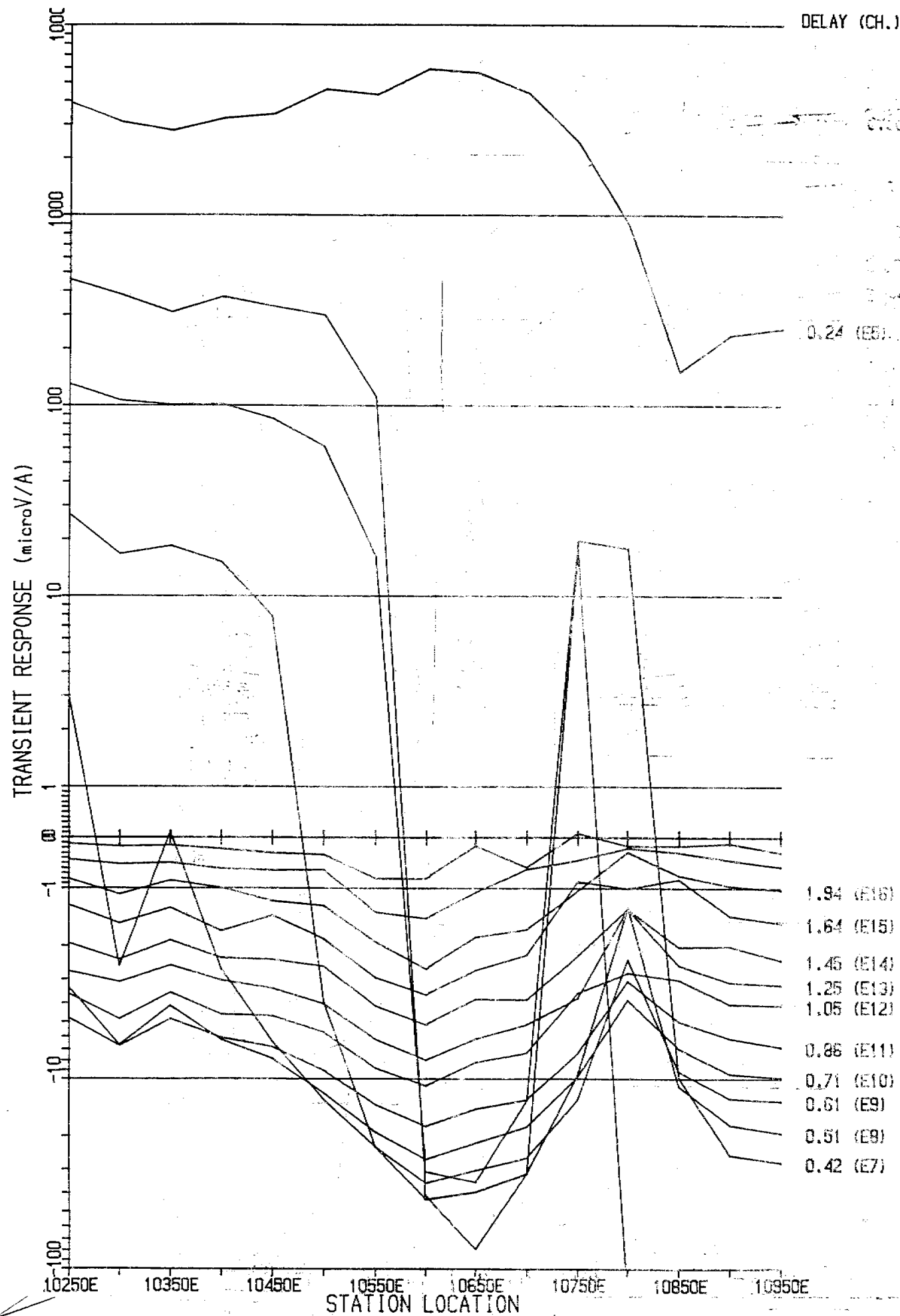
TEM Response Profile

MT TODD, BOBIN, 10500N, SIROTEM 5T, 200M INLOOP

Fig 198m

Coincident Loop - Z Component
Field Data Only





SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : AUGUST 1989

CONFIGURATION : 100M SQUARE TX. LOOP,
IN LOOP RECEIVER

READING INT. : 50 METRES

NO. OF STACKS : 512

TRANSMITTER : MEDIUM POWER

RECEIVER : SIROTEM II S/N 1235

CURRENT : 12.8 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 TIME WINDOW

S - STANDARD TIME WINDOW

CR 90/348 AG

BILLITON GOLD

MT. TODD
ROBIN

SIROTEM PROFILE
LINE 10050N ET

SCALE - 1:5000

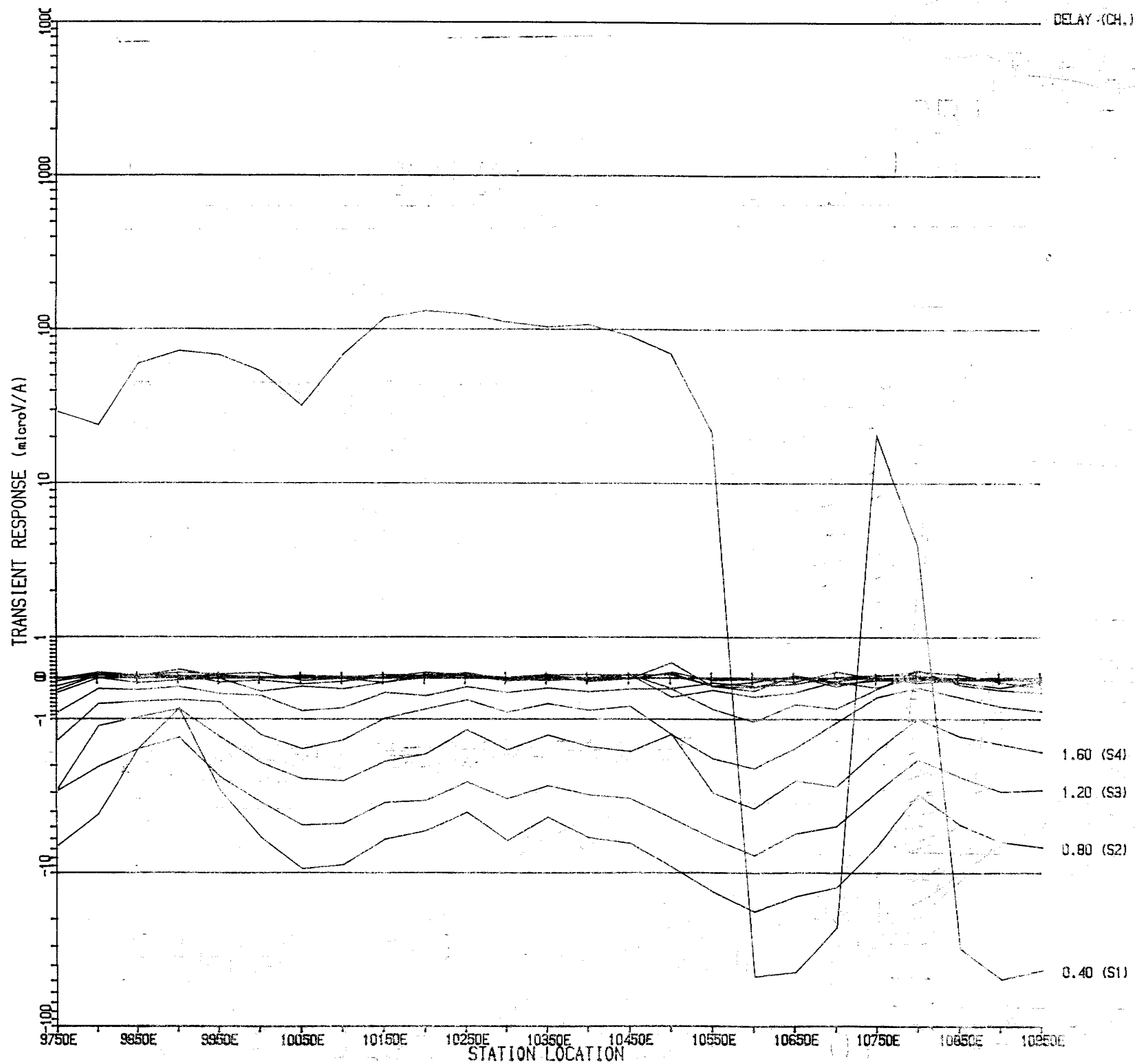
Fig 198m

102

Batman

102

102



SURVEY SPECIFICATIONS

DATA ACQUISITION : MASKIMMING GEOPHYSICS

SURVEY DATE : AUGUST 1989

CONFIGURATION : 100M SQUARE TX. LOOP
IN LOOP RECEIVER

READING INT. : 50 METRES

NO. OF STACKS : 512

TRANSMITTER : MEDIUM POWER

RECEIVER : SIROTEM II 8/M 1200

CURRENT : 13.0 AMPS

OPERATOR : J. P. MASKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE : 1:5000

VERTICAL SCALE : LOGARITHMIC
40% PER DECADE
LINEAR BETWEEN
-1 AND +1

TIME DELAYS IN MILLISECONDS

E - EARLY TIME WINDOW

S - STANDARD TIME WINDOW

$T_0 = 157 \mu\text{sec}$

Fig 198m

OR90/348 AG

BILLITON GOLD

**MT. TODD
ROBIN**

SIROTEM PROFILE

LINE 10050N ST

SCALE : 1:5000

2082

Batman

2082
EU
1500

CR 90/378 AG

SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : AUGUST 1989

CONFIGURATION : 1000M SQUARE TX. LOOP,
TURAM MODE RVR SURVEY

READING INT. : 50 METRES

NO. OF STACKS : 1024

TRANSMITTER : MEDIUM POWER

RECEIVER : SIROTEM II S/N 1236

CURRENT : 8.1 AMPS

OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000

VERTICAL SCALE - LOGARITHMIC
3CM. PER DECADE
LINEAR BETWEEN
-1 AND +1

TIME DELAYS IN MILLISECONDS

E - EARLY TIME WINDOW

S - STANDARD TIME WINDOW

$T_0 = 378 \mu sec$

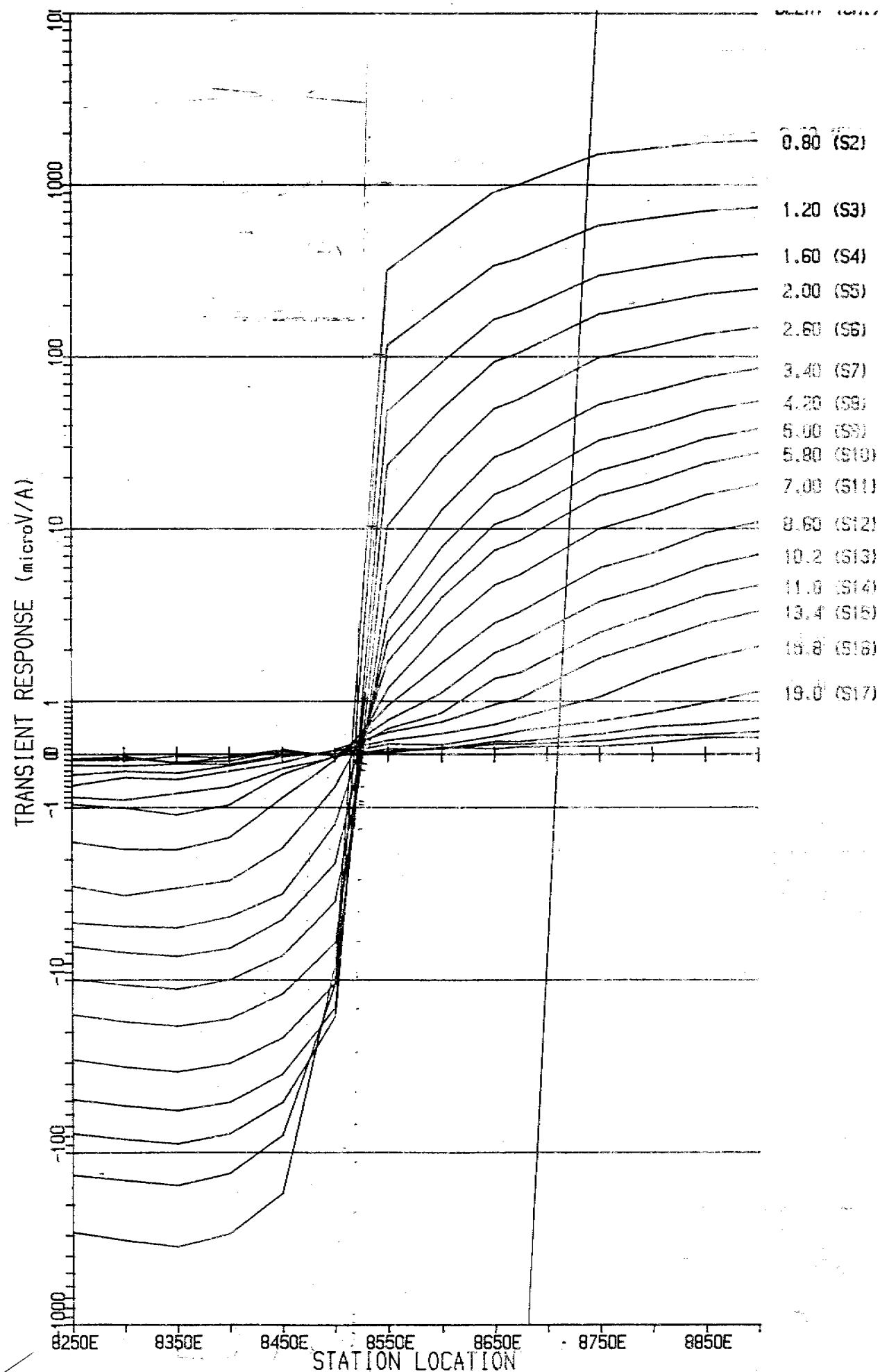
Fig 198n

BILLITON GOLD

MT. TODD
BATMAN

SIROTEM PROFILE
LINE 10600N LOOP1

SCALE - 1:5000



CR90/348AG

SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : AUGUST 1989
 CONFIGURATION : 1000M SQUARE TX. LOOP,
 TURAM MODE RVR SURVEY
 Z-COMP
 READING INT. : 50 METRES
 NO. OF STACKS : 2048
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM II S/N 1236
 CURRENT : 1.0 AMPS
 OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 3CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

TIME DELAYS IN MILLISECONDS
 E - EARLY TIME WINDOW
 S - STANDARD TIME WINDOW

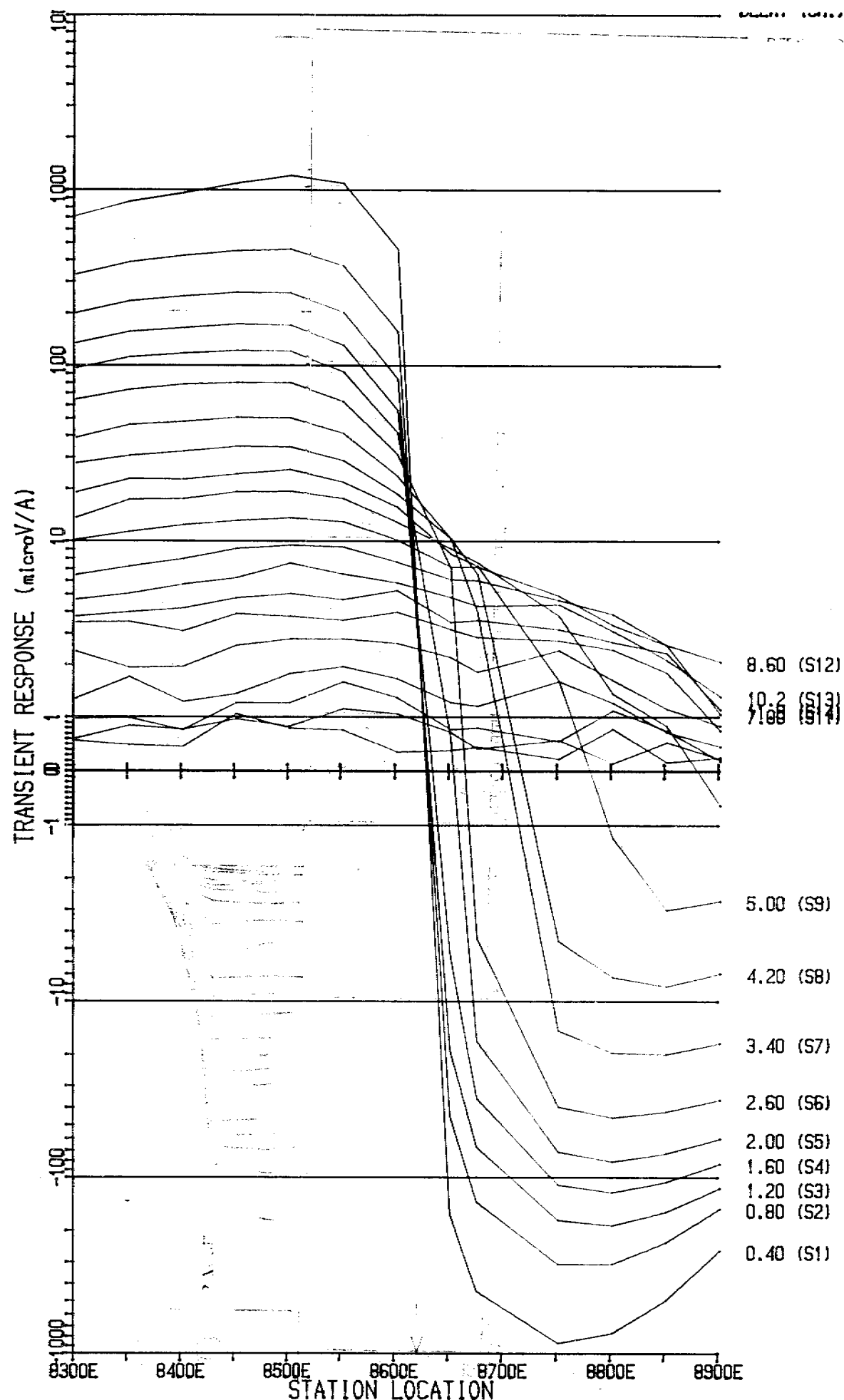
Fig 198 n

BILLITON GOLD

MT. TODD
 BATMAN

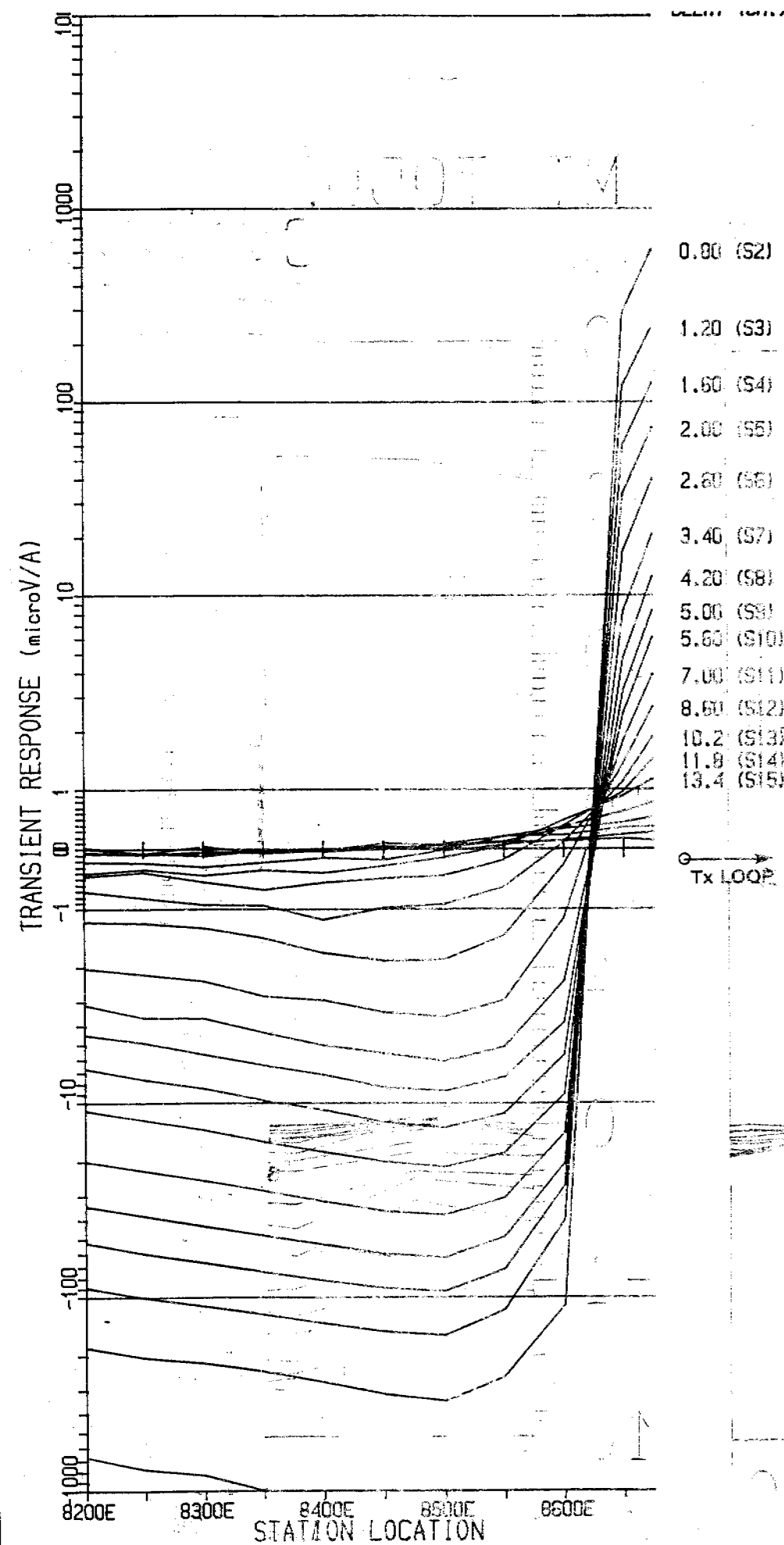
SIROTEM PROFILE
 LINE 10600N G.W.

SCALE - 1:5000



2082

CR 90/348 AG



SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : AUGUST 1989
 CONFIGURATION : 1000M SQUARE TX. LOOP
 TURAM MODE RVR SURVEY
 2 COMP
 READING INT. : 50 METRES
 NO. OF STACKS : 1024
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM II S/N 1236
 CURRENT : 8.1 AMPS
 OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 3CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

TIME DELAYS IN MILLISECONDS
 E - EARLY TIME WINDOW
 S - STANDARD TIME WINDOW
 $T_0 = 3.78 \mu\text{-sec}$

Fig 1980

BILLITON GOLD

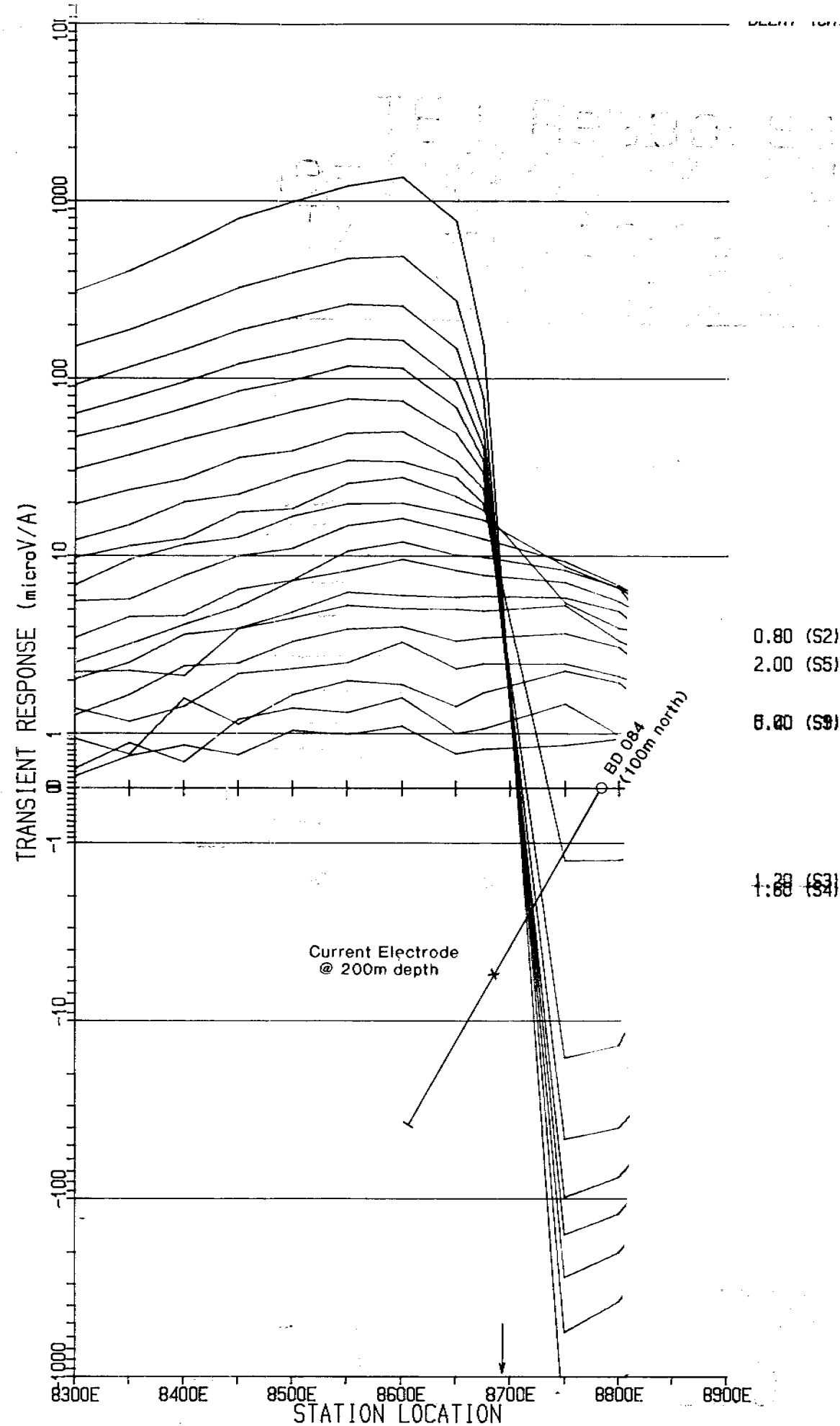
MT. TODD
 BATMAN

SIROTEM PROFILE
 LINE 10800N

LOOP 1

SCALE - 1:5000

CR 90/348 AG



SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : AUGUST 1989
 CONFIGURATION : ~~1000M SQUARE TX. LOOP~~
 TURAM MODE RVR SURVEY
 Z-COMP
 READING INT. : 50 METRES
 NO. OF STACKS : 2048
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM II S/N 1236
 CURRENT : 1.0 AMPS
 OPERATOR : P McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:5000
 VERTICAL SCALE - LOGARITHMIC
 3CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

TIME DELAYS IN MILLISECONDS
 E - EARLY TIME WINDOW
 S - STANDARD TIME WINDOW
 $T_0 = 20 \mu sec.$

Fig 198(0)

BILLITON GOLD

MT. TODD
 BATMAN

SIROTEM PROFILE
 LINE 10800N G.W.

SCALE - 1:5000

2082

CR 90/31846

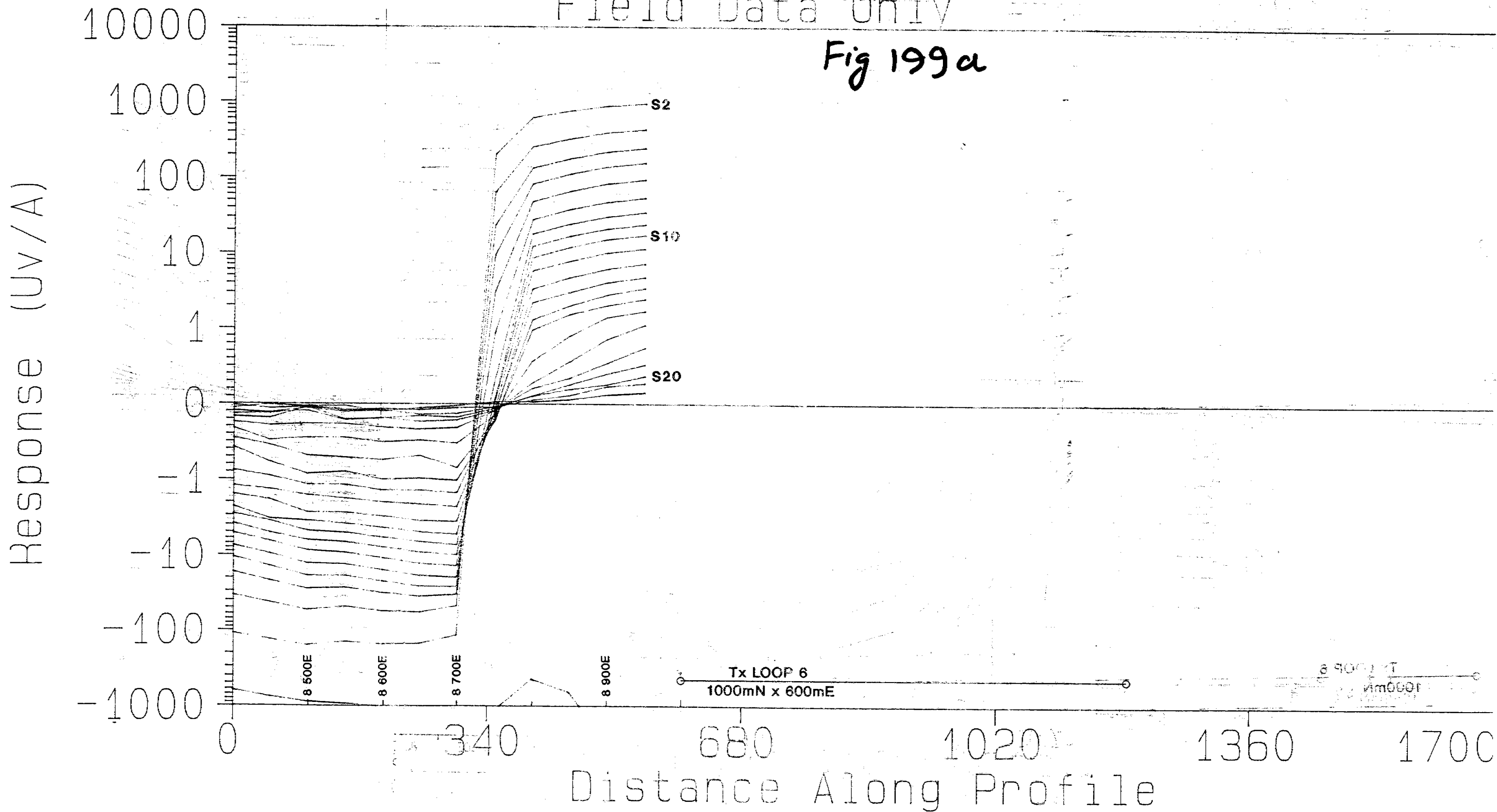
TEM Response Profile

Line=11000N BATMAN NTH SiroteM ST

Fixed Loop TX, Roving Surface RX - Z Component

Field Data Only

Fig 199a



CR 90/348 AG

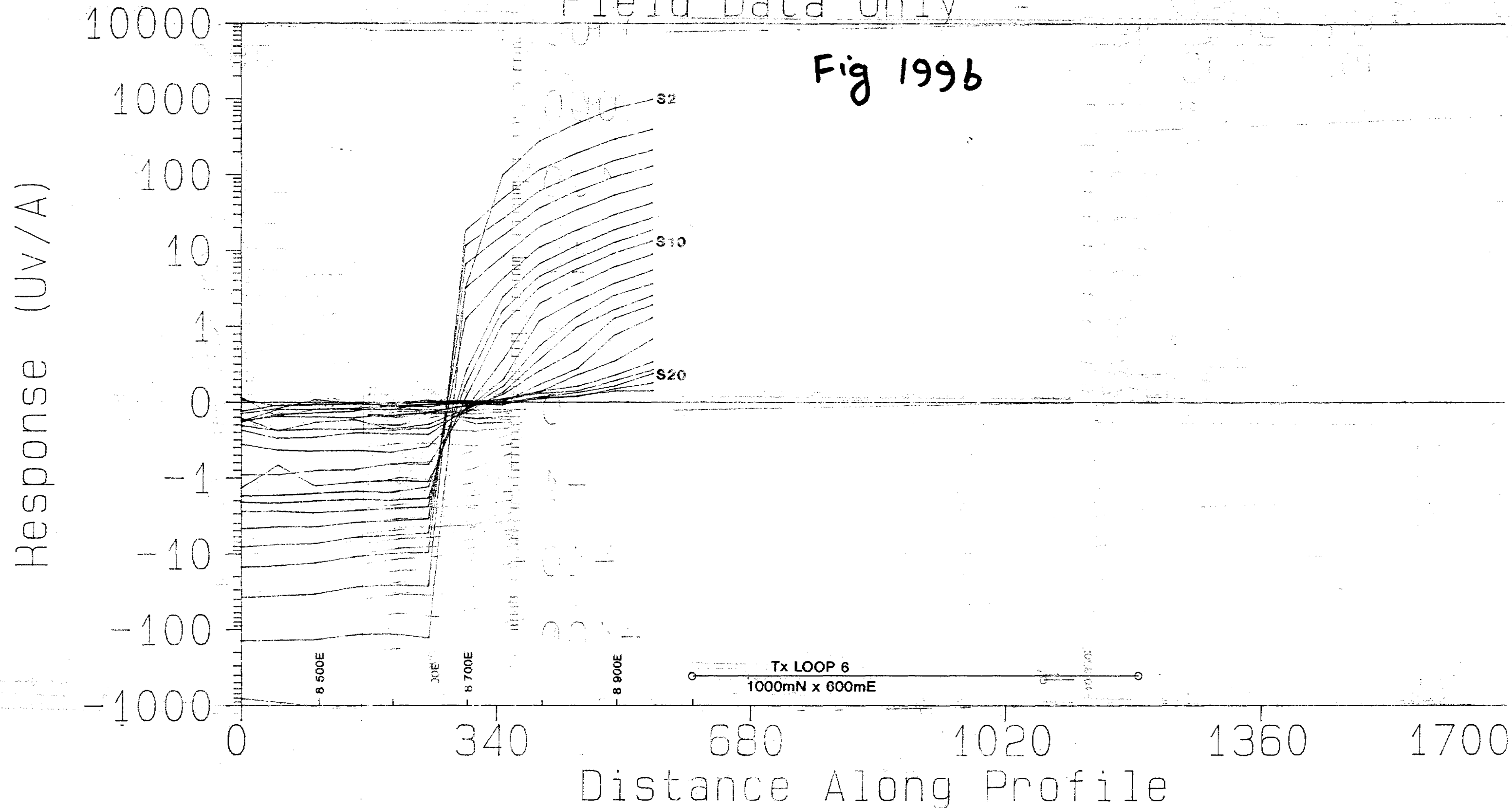
TEM Response Profile

Line=11200N BATMAN NTH SIPOTEM SITE

Fixed Loop TX, Roving Surface RXS - Z Component

Field Data Only

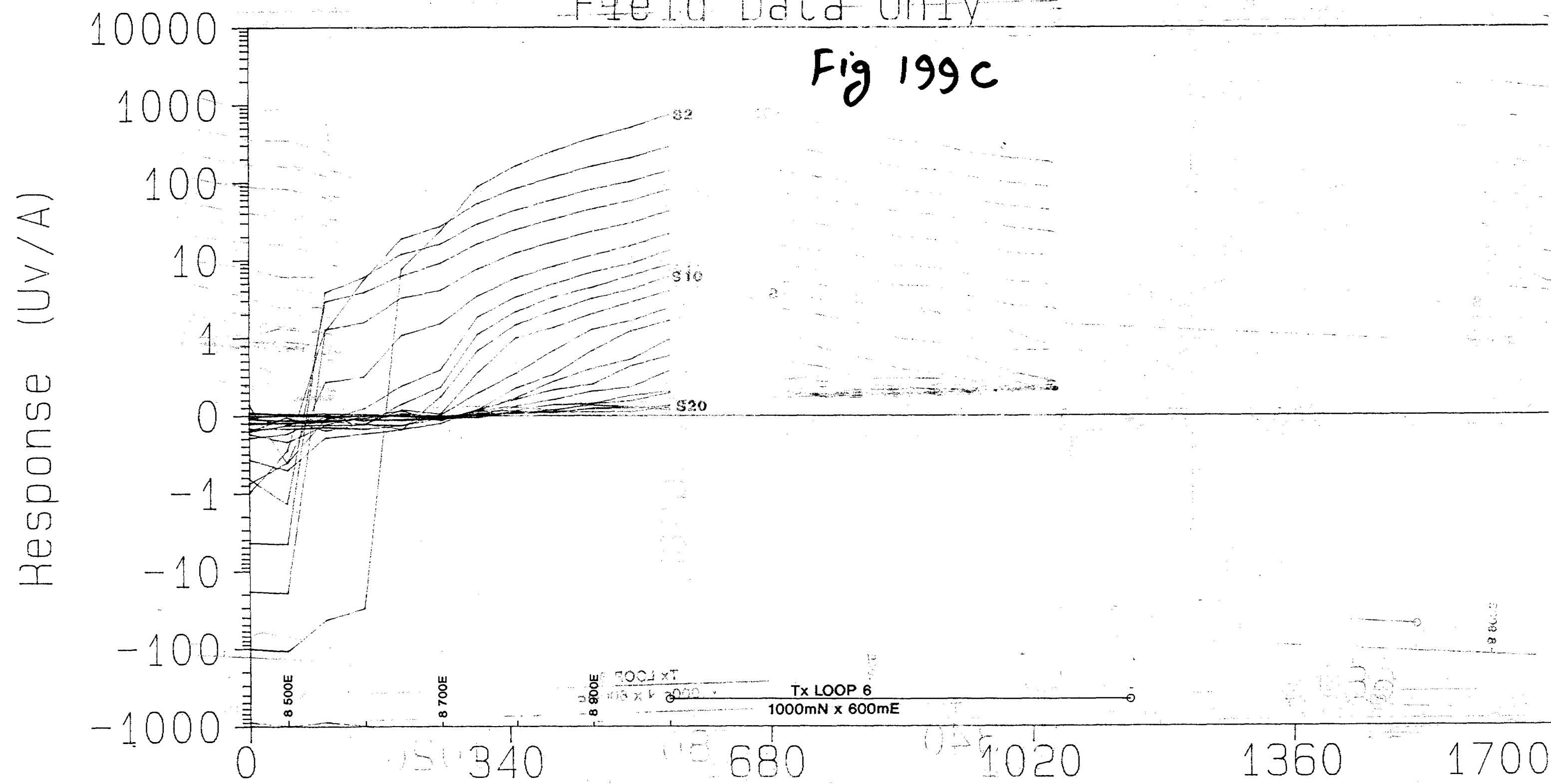
Fig 199b



CR90/348 AG

TEM Response Profile
Line=11400N BATMAN NTH Sigotem ST
Fixed Loop TX, Roving Surface RX - Z Component
Field Data Only

Fig 199c

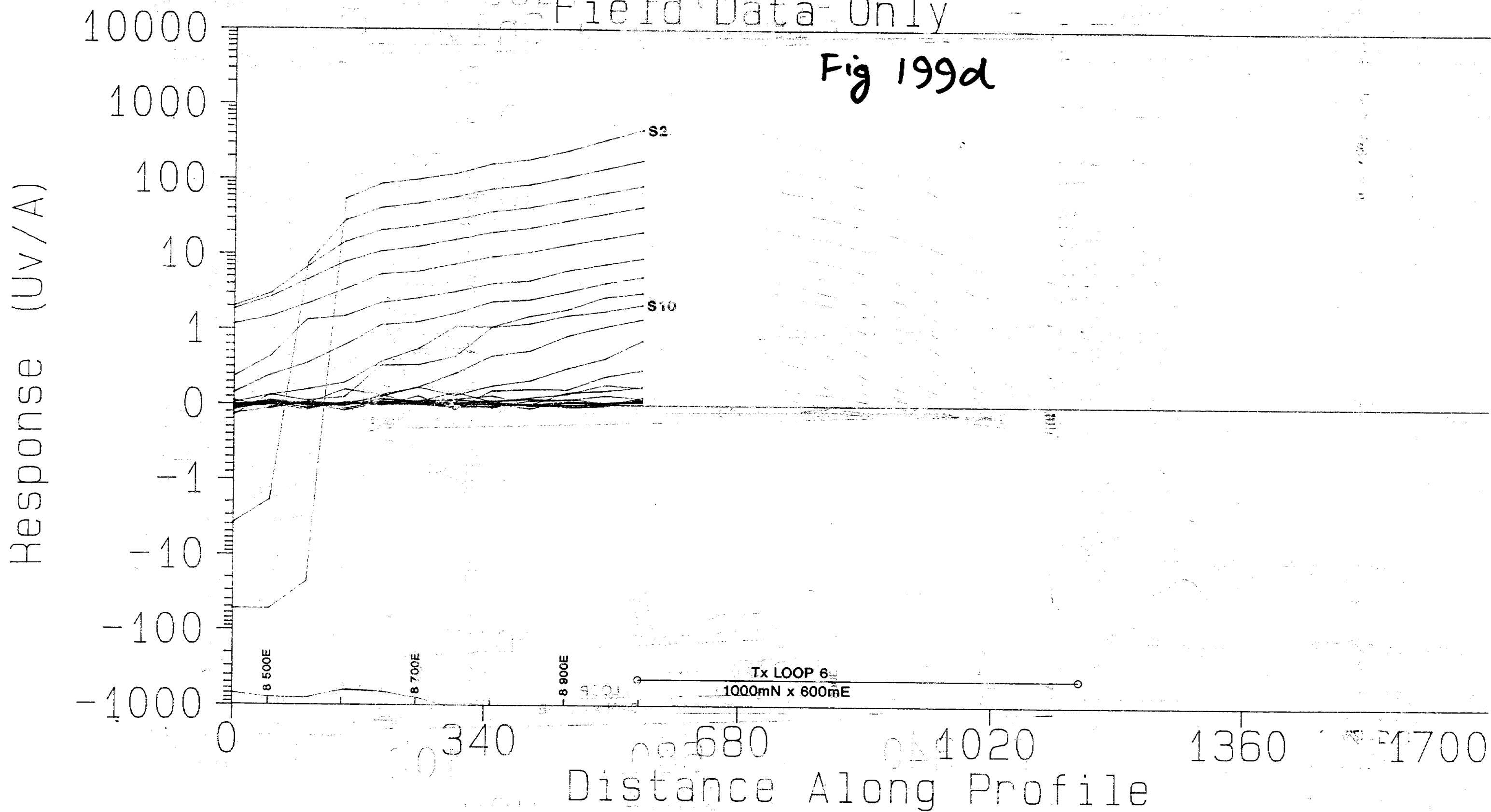


Distance Along Profile

CR90348AG

TEM Response Profile
Line=11600N BATMAN NTH Sirotem ST
Fixed Loop TX, Roving Surface RX - Z Component
Field Data Only

Fig 199d



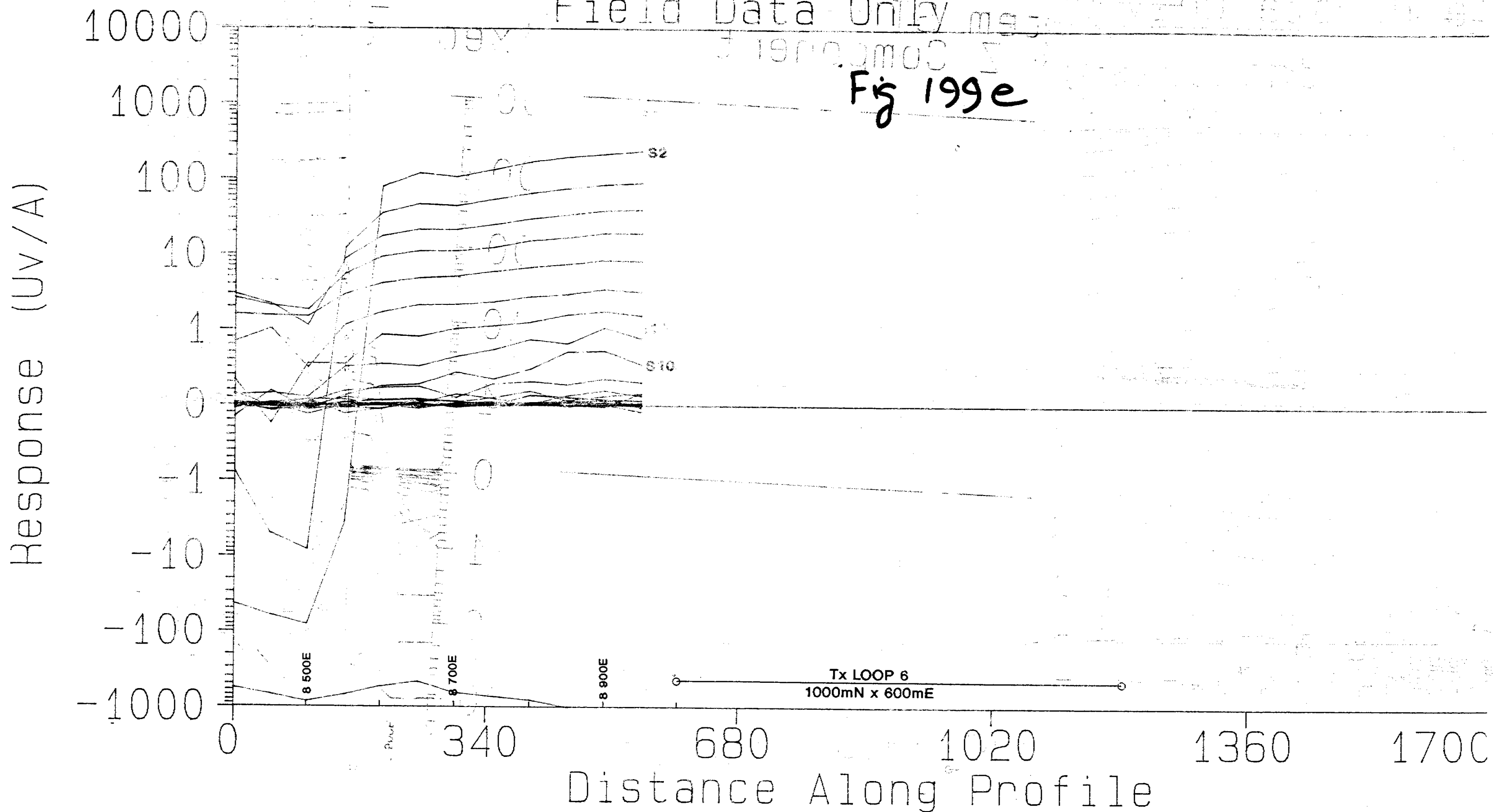
CR90/348 AG

TEM Response Profile

Line=11800N BATMAN NTH Sirotelem ST

Fixed Loop TX, Roving Surface RX - Z Component

Field Data Only



CR90/348 AG

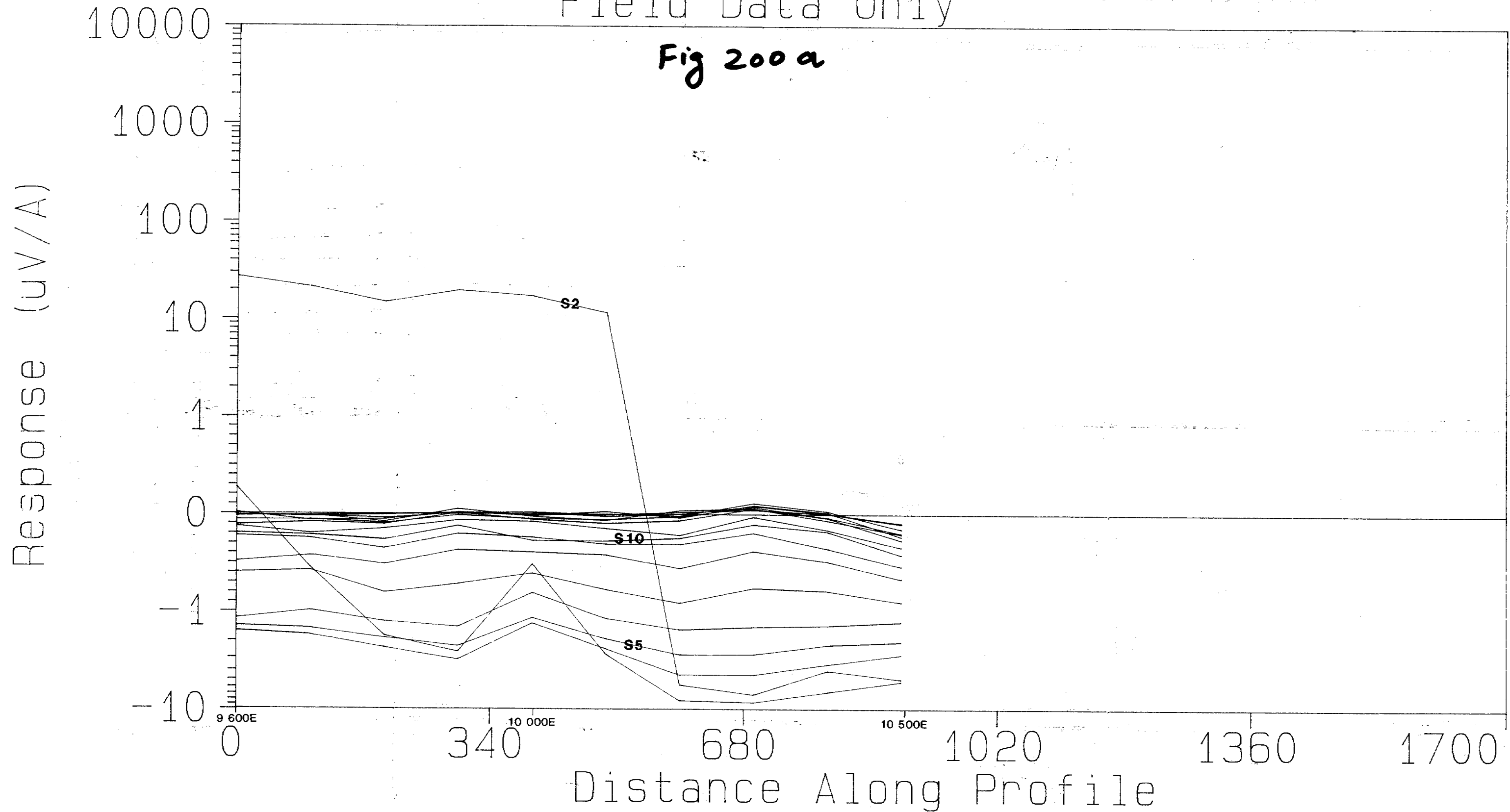
TEM Response Profile

MT TODD, ROBIN, 9700N, SIROTEM ST, 200M INLOOP

Coincident Loop - Z Component

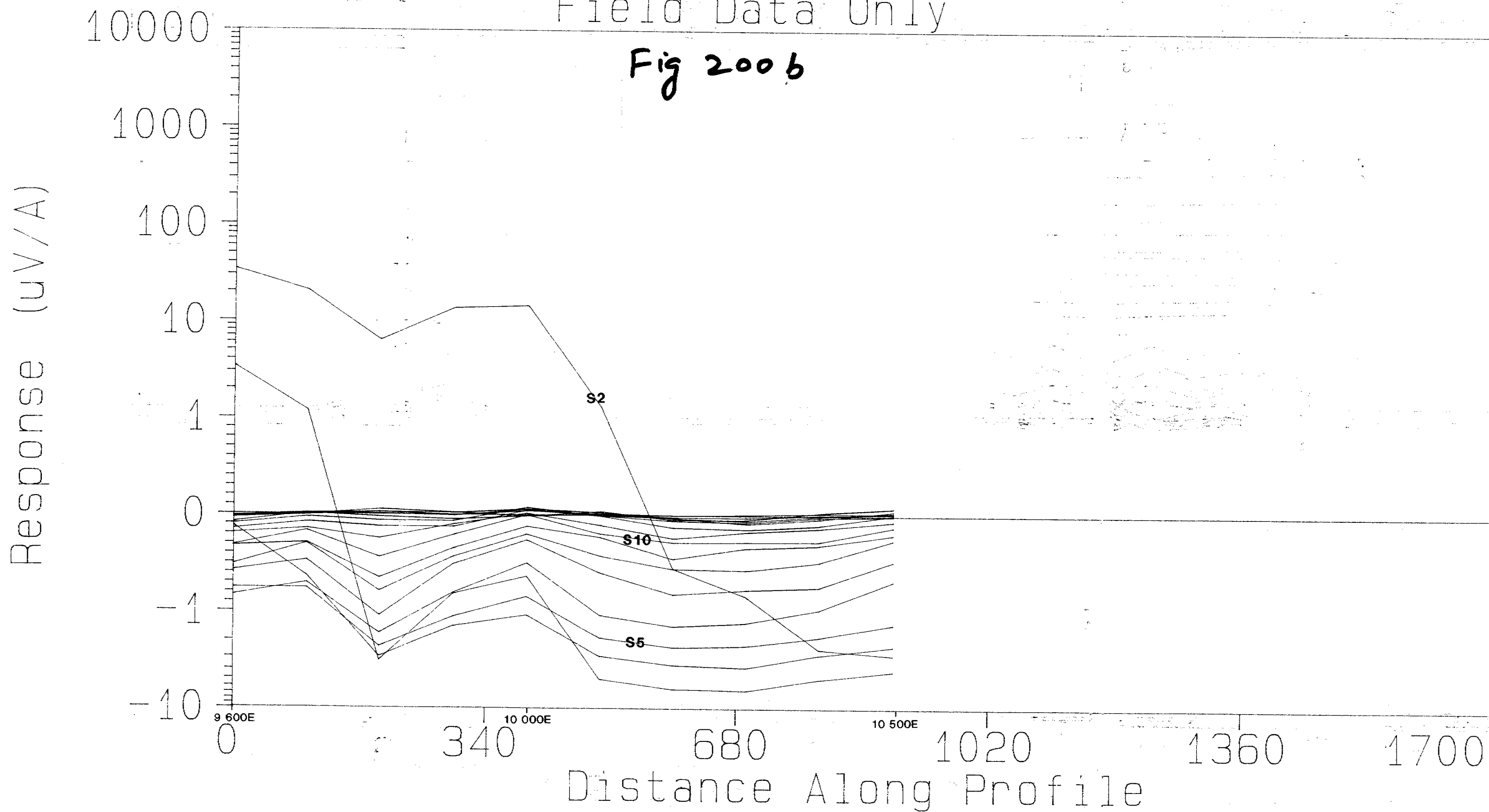
Field Data Only

Fig 200 a



CR90B48AG

TEM Response Profile
MT TODD, ROBIN, 9900N, SIROTEM ST, 200M INLOOP
Coincident Loop - Z Component
Field Data Only

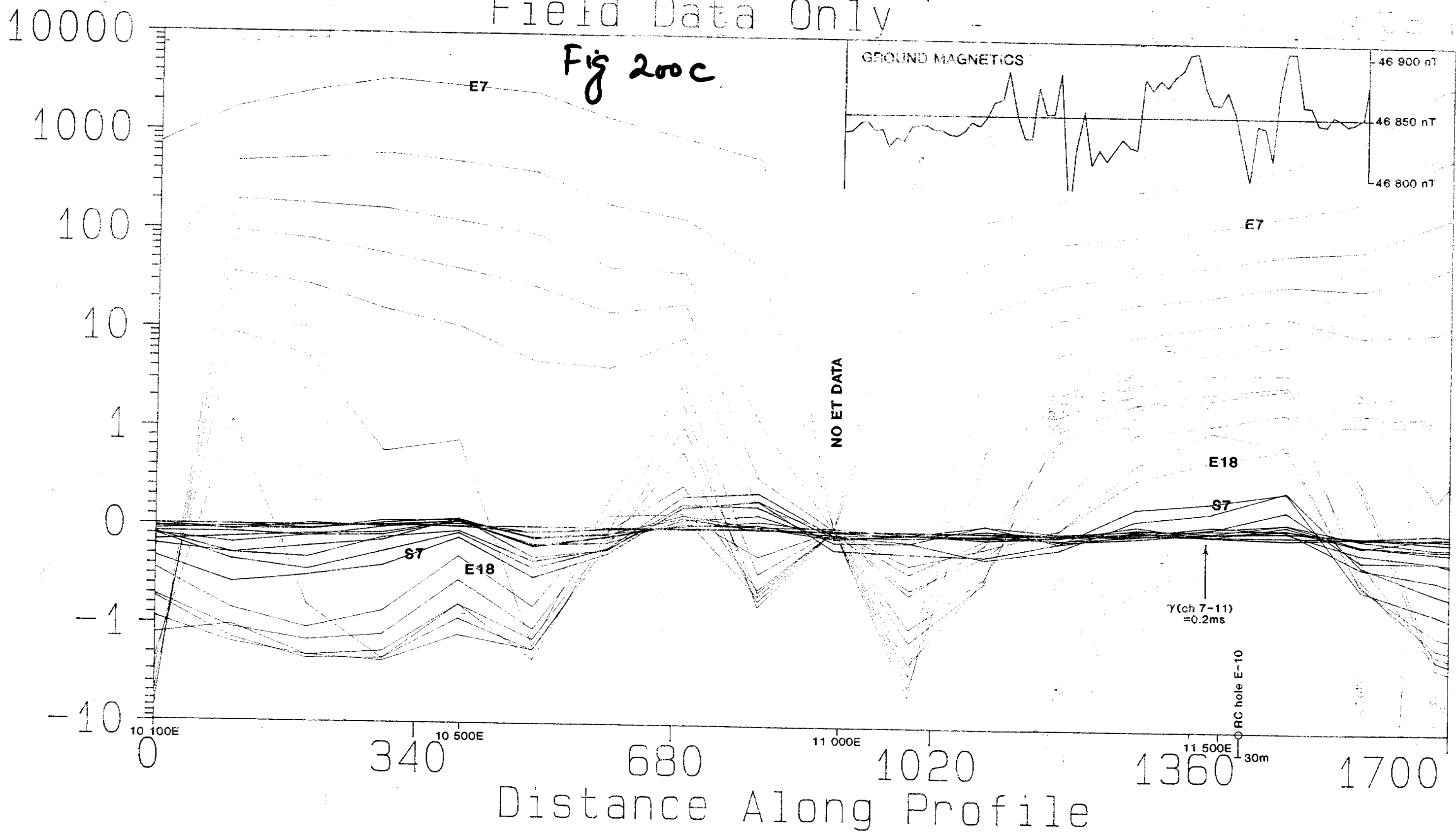
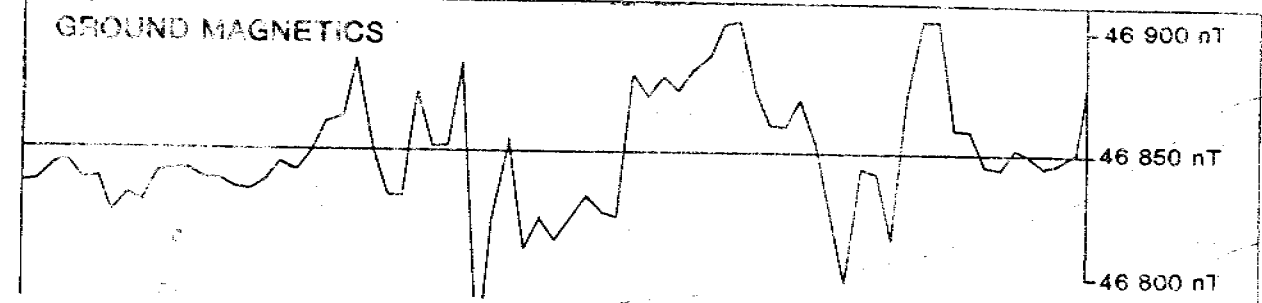


CR90/348AG

TEM Response Profile
MT: TODD, ROBIN, 10700N, SIROTEM BT, 200M INLOOP
Coincident Loop - Z Component
Field Data Only

Response ($\mu\text{V}/\text{A}$)

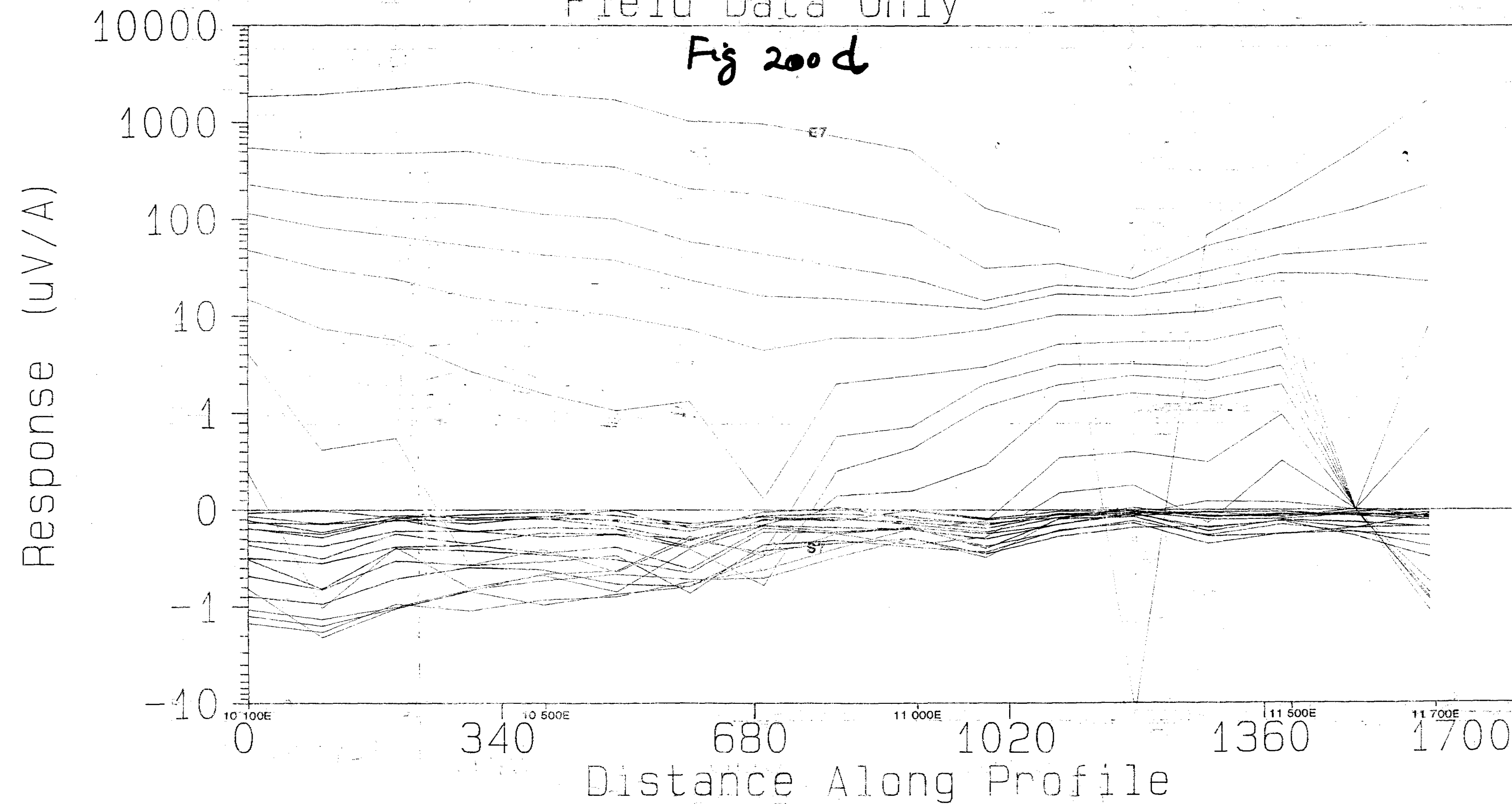
Fig 200c



CR90/348 AG

TEM Response Profile
MT TODD, ROBIN, 10900N, SIROTEM ST, 200M INLOOP
Coincident Loop - Z Component
Field Data Only

Fig 200 d

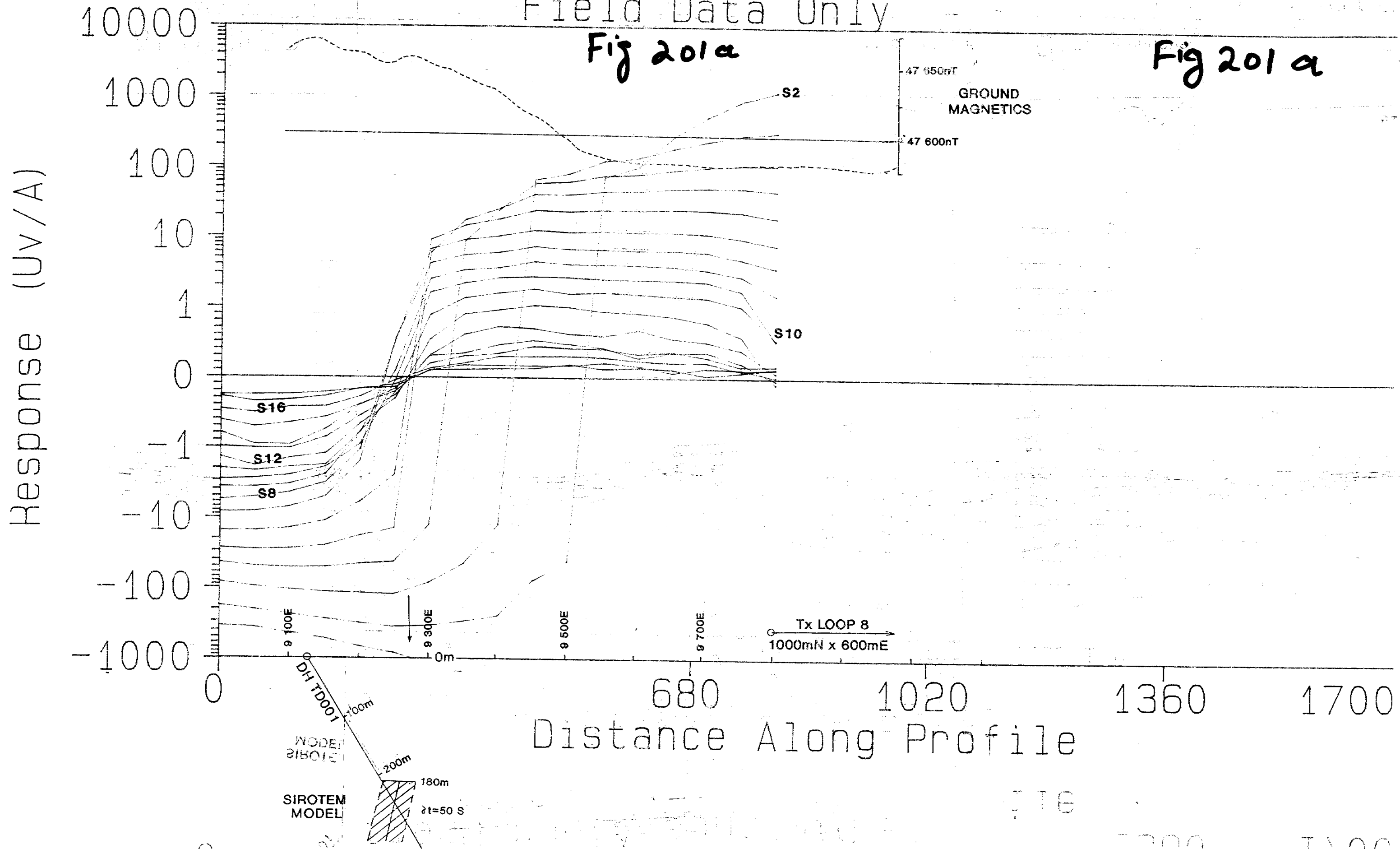


CR 90/348 AG

TEM Response Profile

Line=11000N TOLLIS SiroteM ST

Fixed Loop TX, Roving Surface RX - Z Component
Field Data Only



CR 90/348 AG

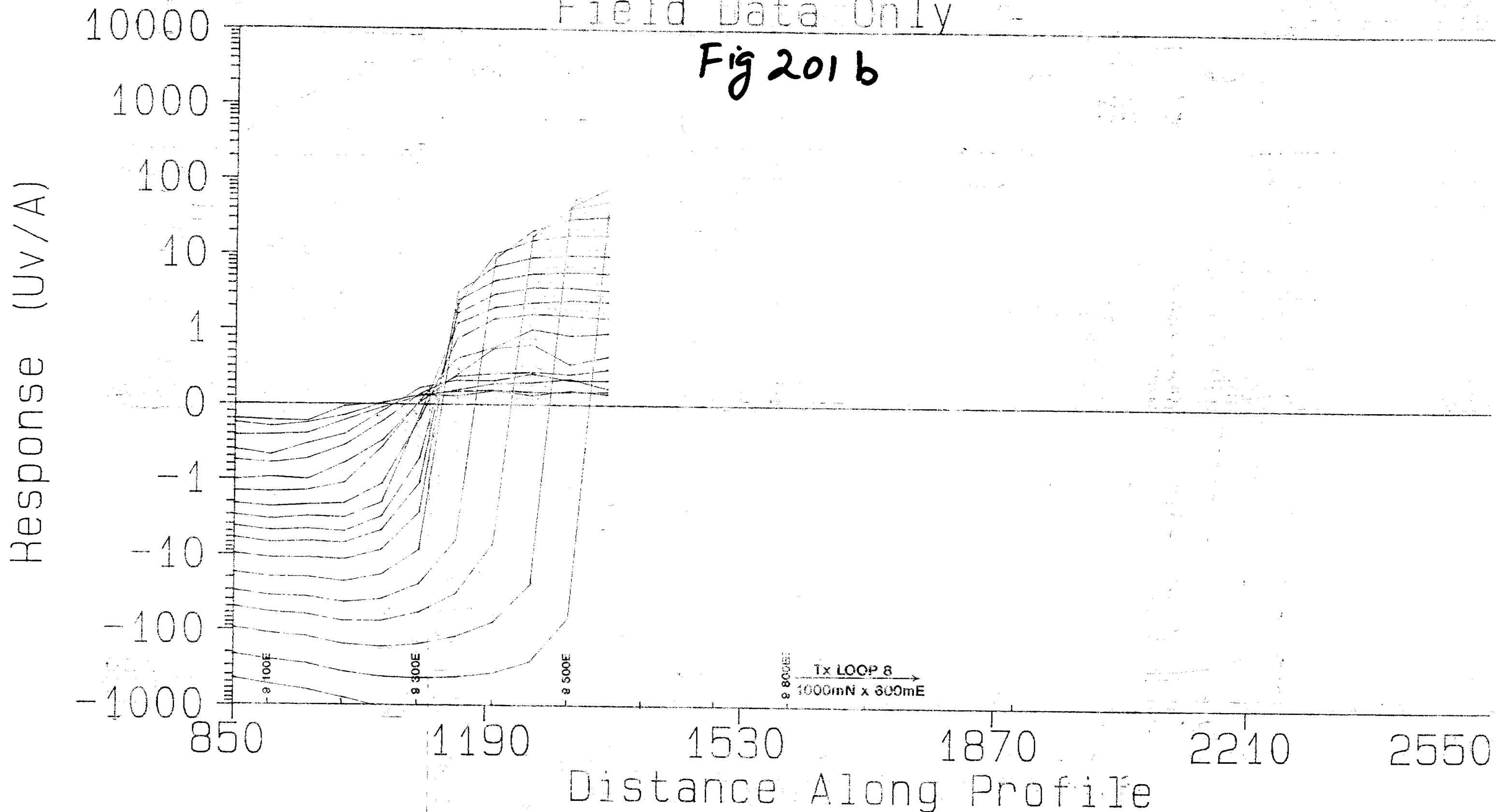
TEM Response Profile

Line=11200N TOLLIS Sirotec ST

Fixed Loop TX, Roving Surface RX - Z Component

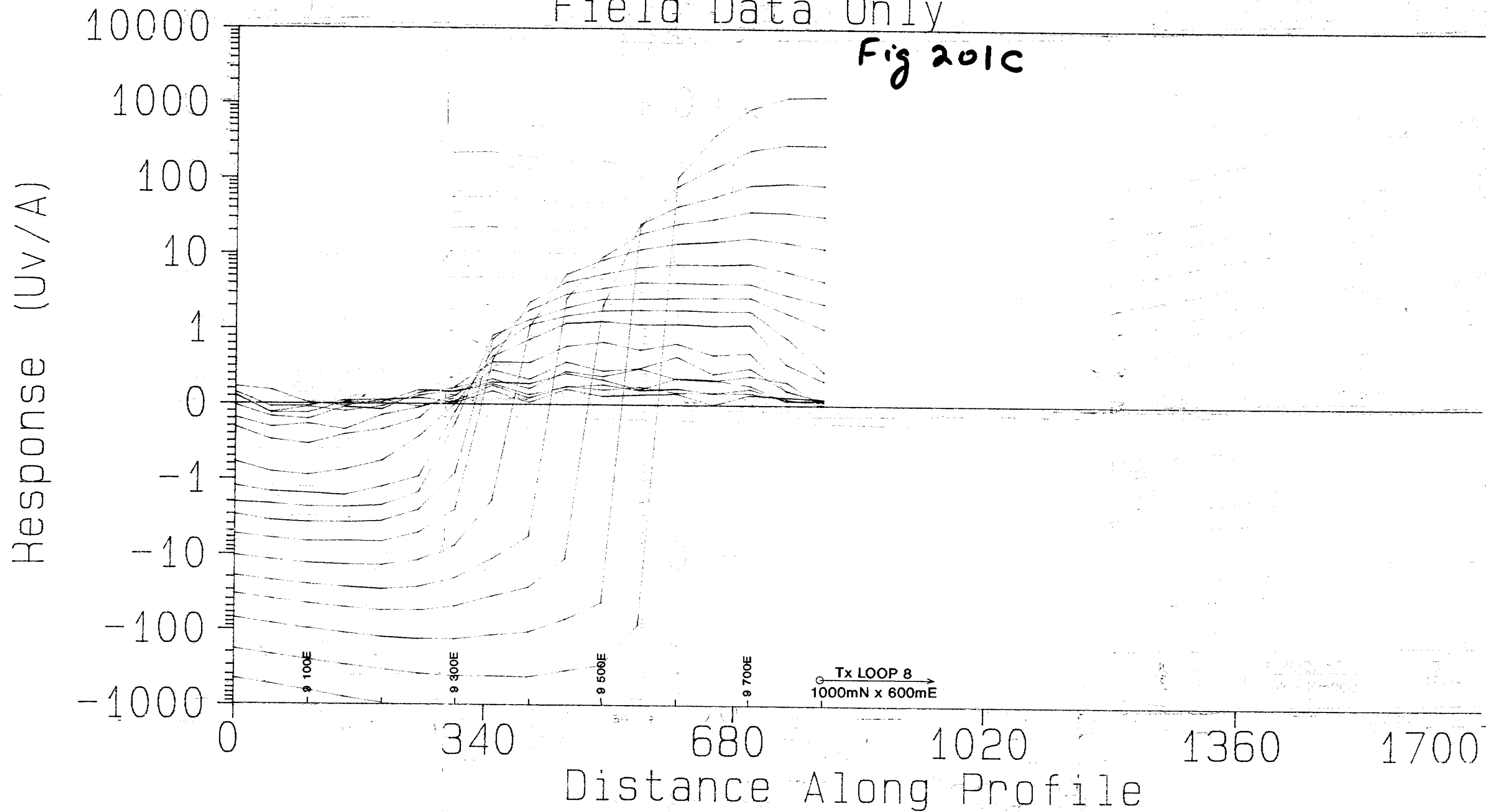
Field Data Only

Fig 201 b



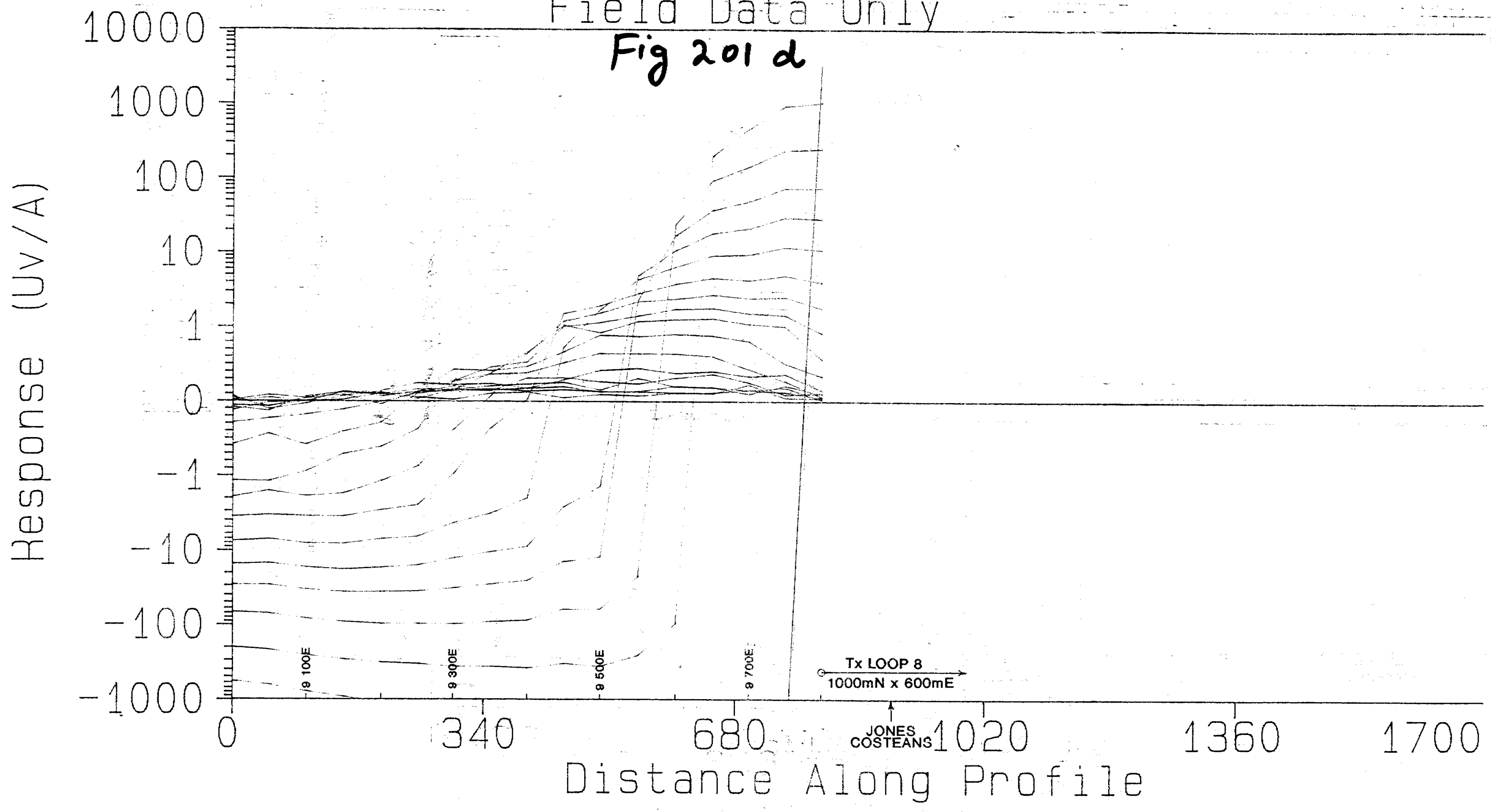
CR90/348 AG

TEM Response Profile
Line=11400N TOLLIS SiroteM ST
Fixed Loop TX, Roving Surface RX - Z Component
Field Data Only



CR 90/348 AG

TEM Response Profile
Line= 11600 TOLLIS Sirotem ST
Fixed Loop TX, Roving Surface RX - Z Component
Field Data Only



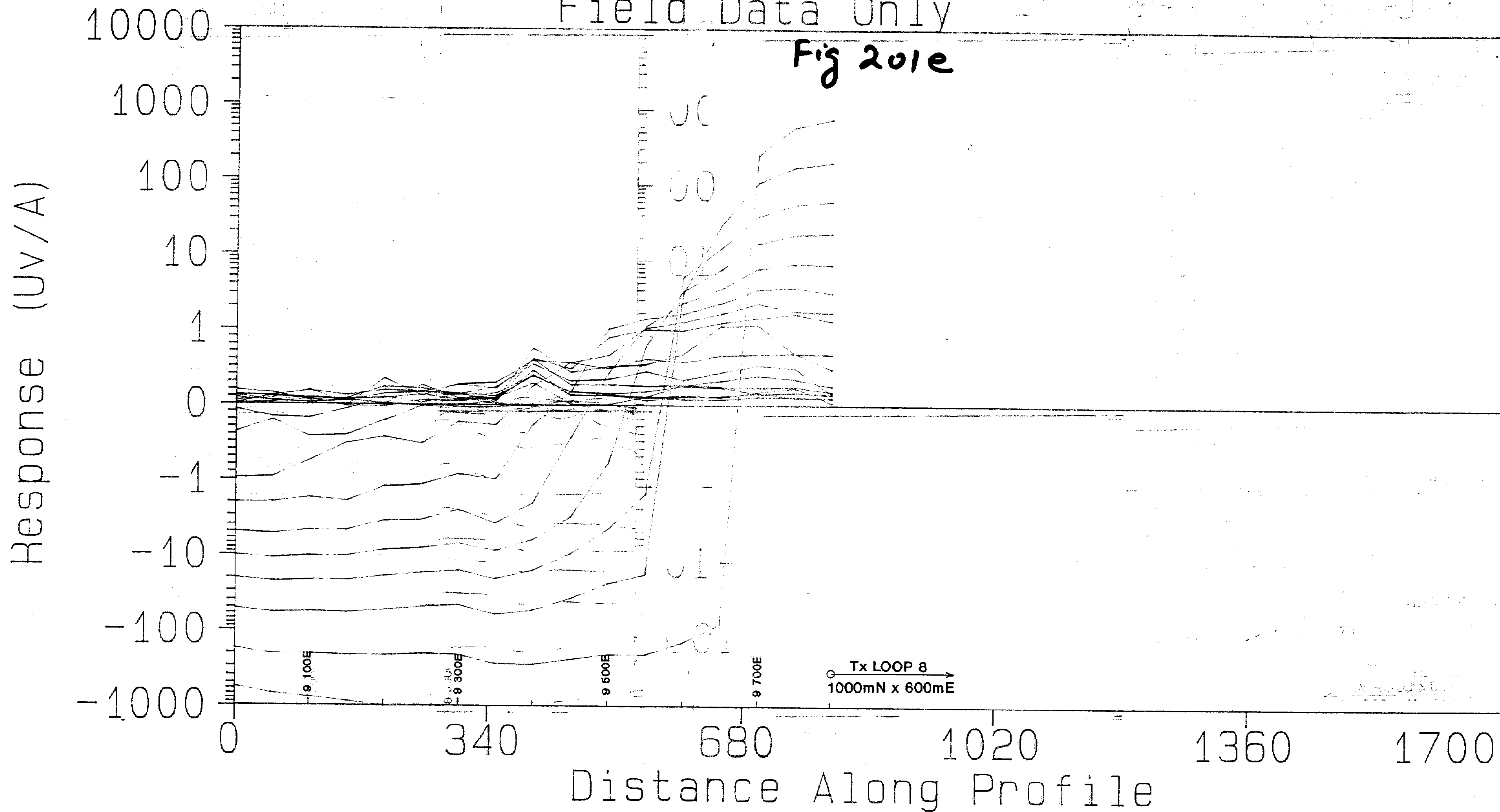
TEM Response Profile

Line=11800N TOLLIS SiroteM ST

Fixed Loop TX, Roaming Surface RX Component

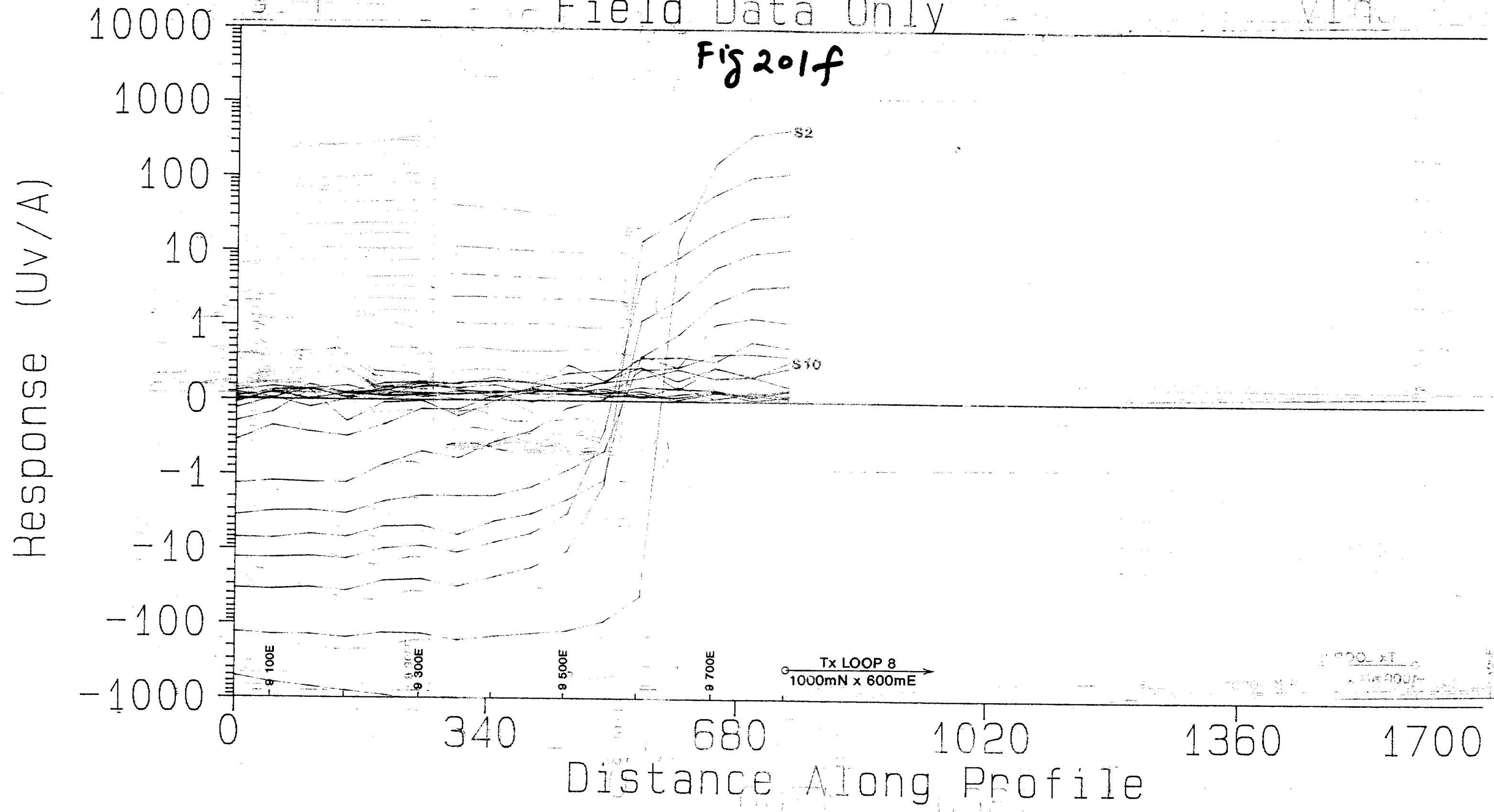
Field Data Only

Fig 201e



CR 90/348 AG

TEM Response Profile
Line=12000N TOLLIS Sirotec ST
Fixed Loop TX, Roving Surface RX - Z Component
Field Data Only

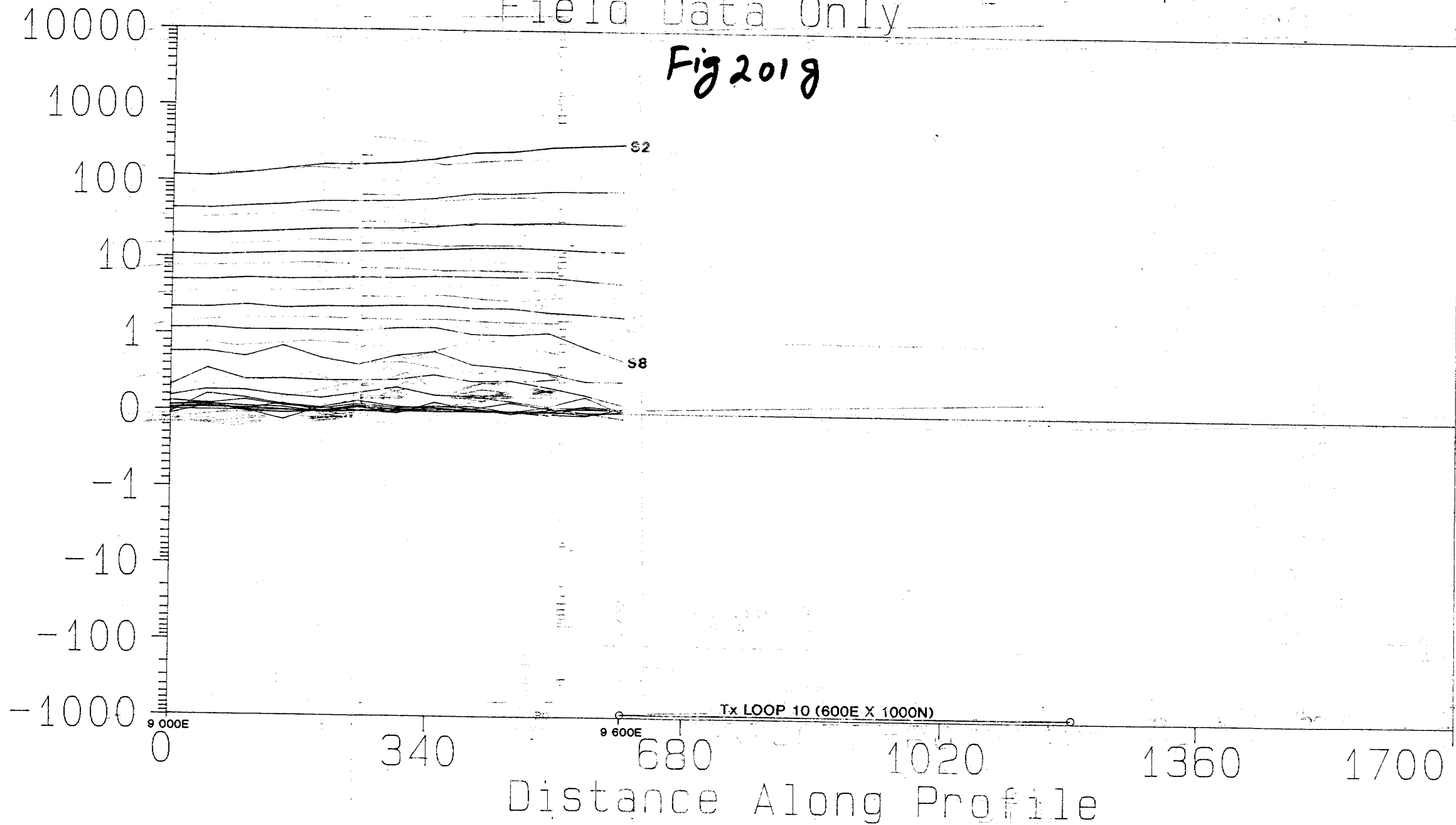


CR90/B48 AG

TEM Response Profile

MT TODD, TOLL IS NTH, 12200N, SIROTEM, ST, LOOP 10
Fixed Loop TX, Roving Surface RX Z Component
Field Data Only

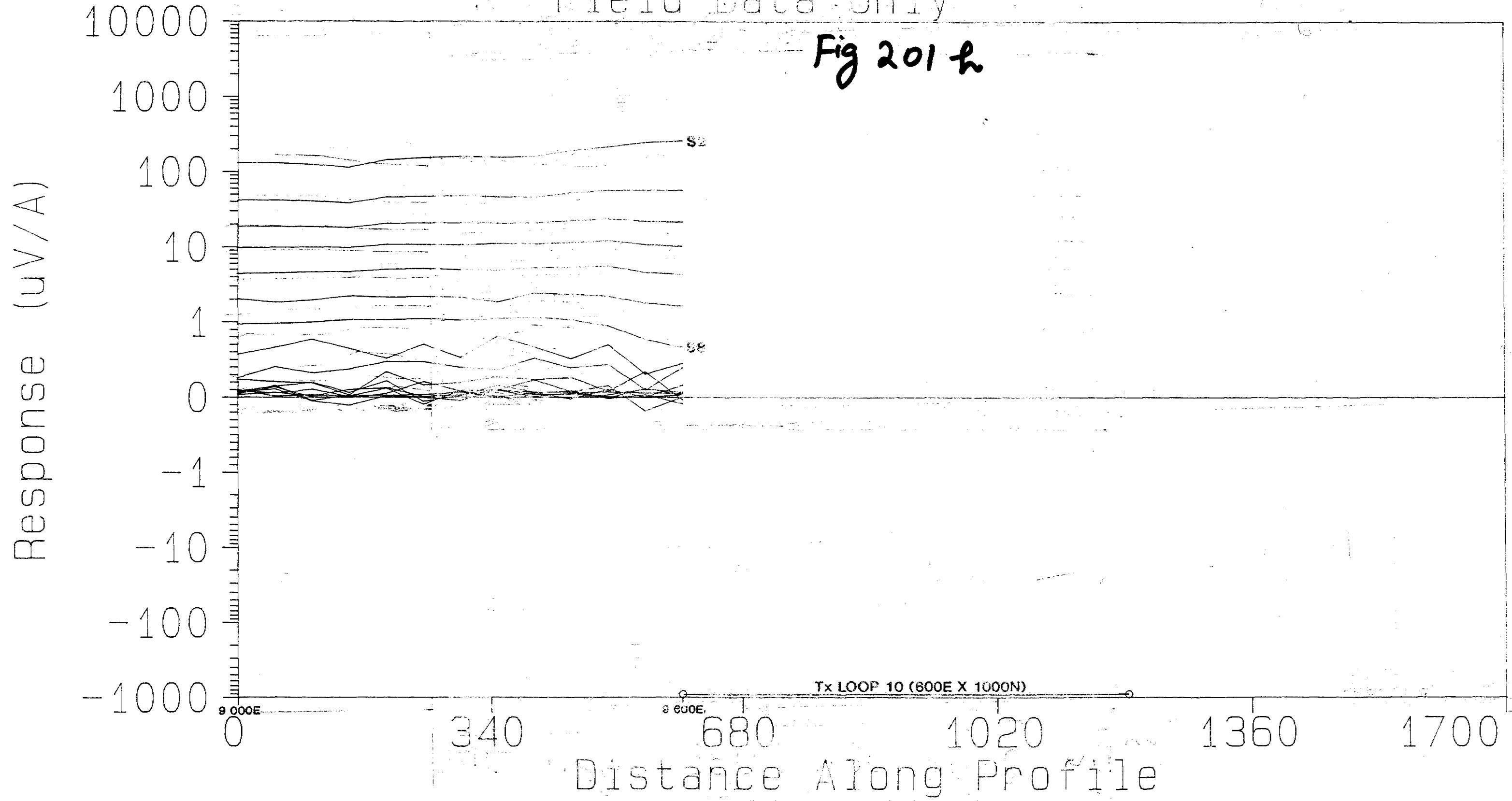
Fig 201g



CR 90/34849

TEM Response Profile
MT TODD, TOLLIS NTH, 12400N, SIROTEM ST, LOOP 10
Fixed Loop TX, Roving Surface RX - Z Component
Field Data Only

Fig 201 h



CR 90/348 AG

metonic

XA

3 1/2 1/2

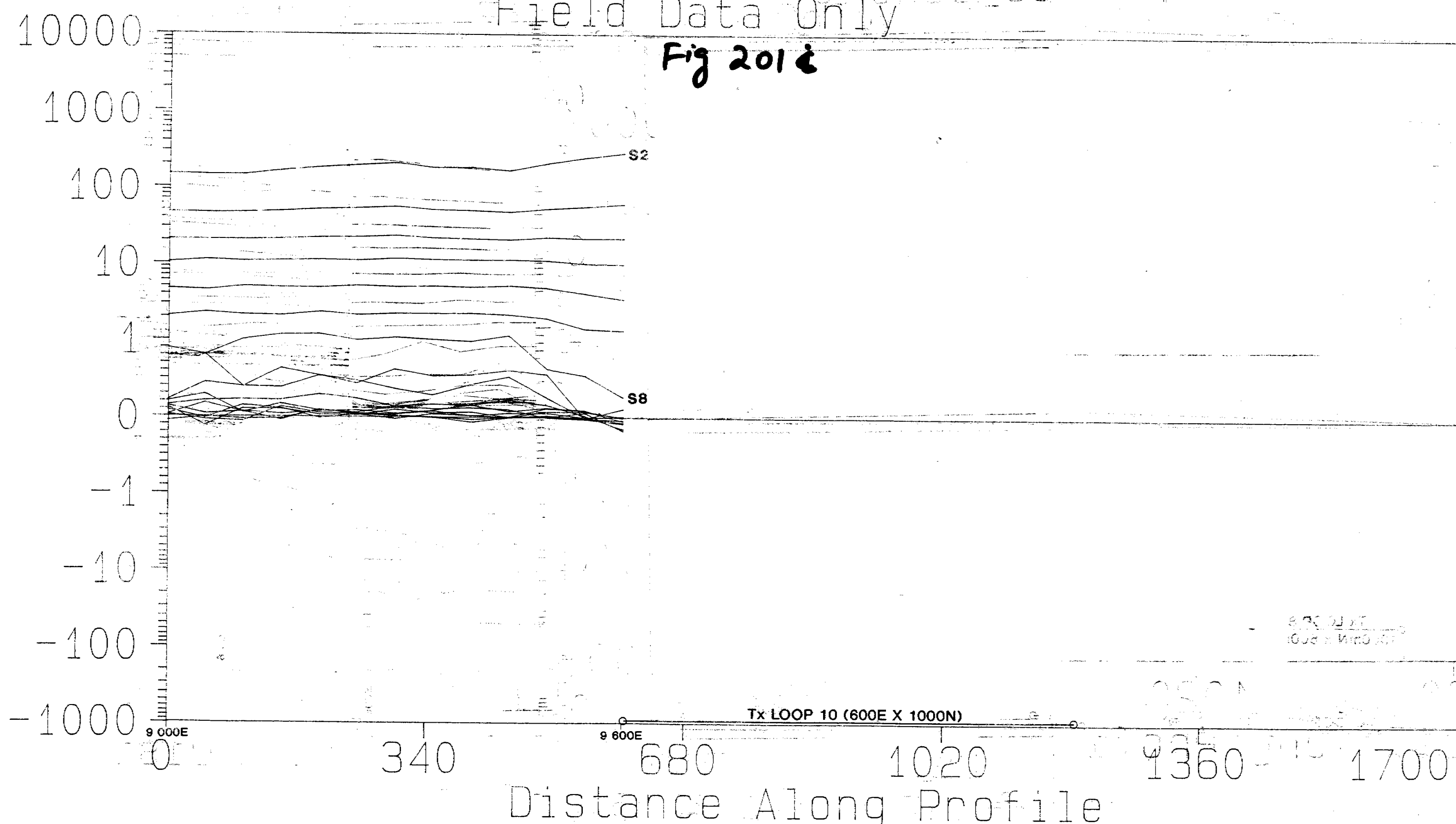
TEM Response Profile

MT-1000, TOLLIS NTH, 12600N, SIR00EM, ST, LOOP 10
Fixed Loop TX, Roving Surface RX, Z Component

Field Data Only

Fig 201

Response (uV/A)



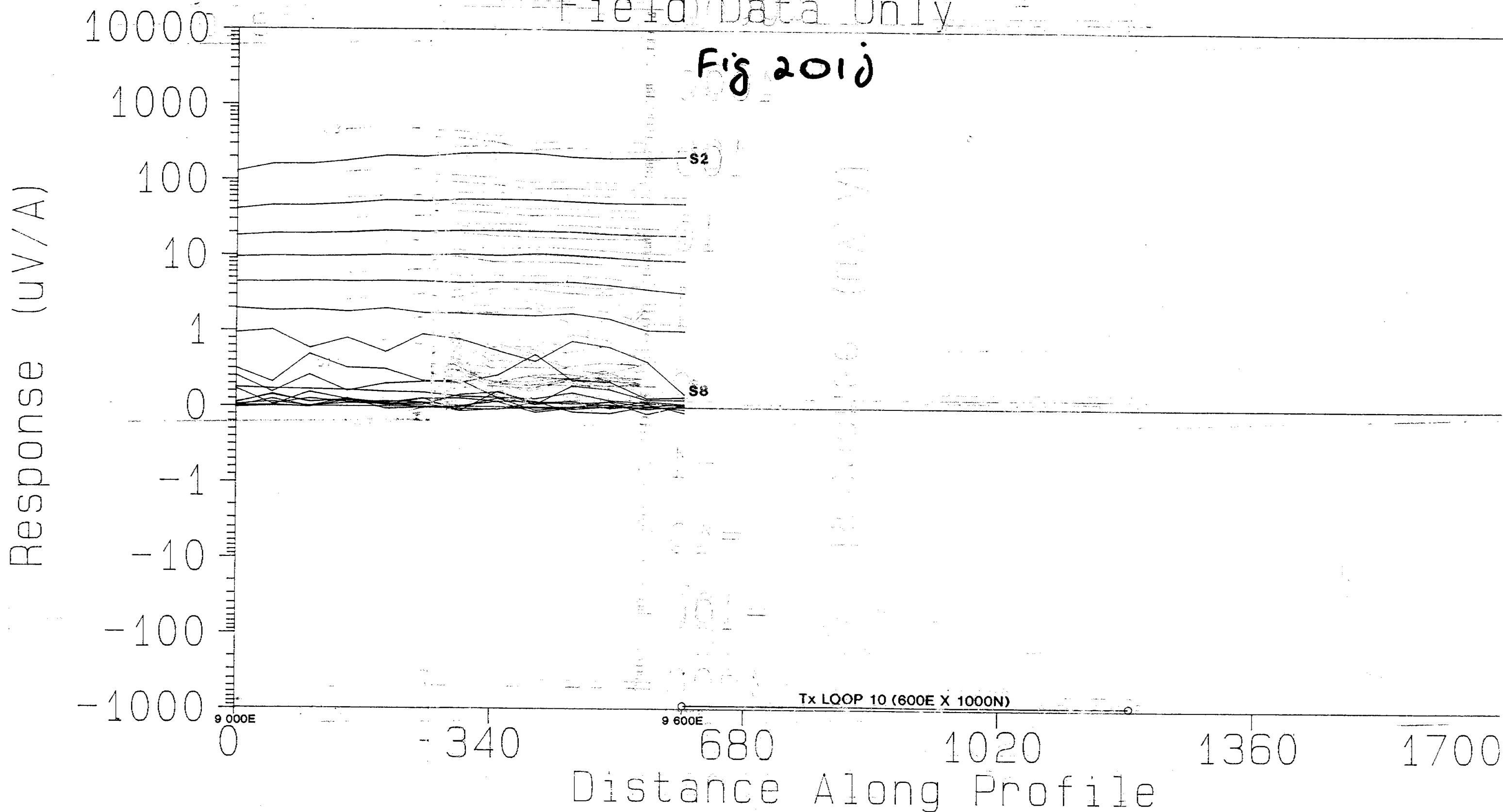
CR90/348 AG

OT-TEM Response Profile

MT TODD, TOLLIS NTH, 12800N, SIROTEM ST, LOOP10

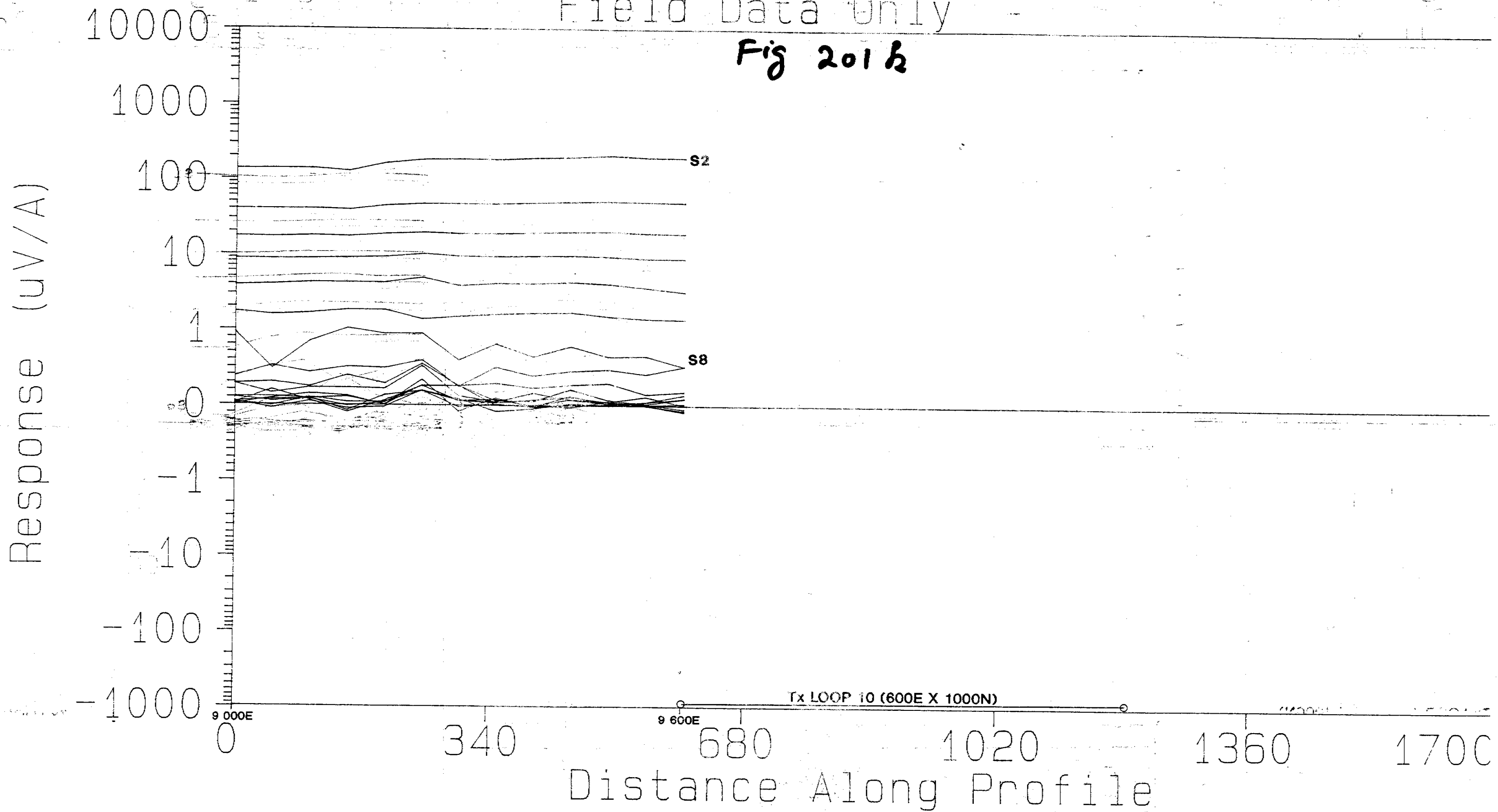
Fixed Loop TX, Roving Surface RX - 9000 Component

Field Data Only



TEM Response Profile
MT TODD, TOLLIS NTH, 13000N, SIROTEM ST, LOOP10
Fixed Loop TX, Roving Surface RX - Z Component
Field Data Only

Fig 201 h



CR 90/248 AF

TEM Response Profile

Line=11000N

JONES

Sinotem

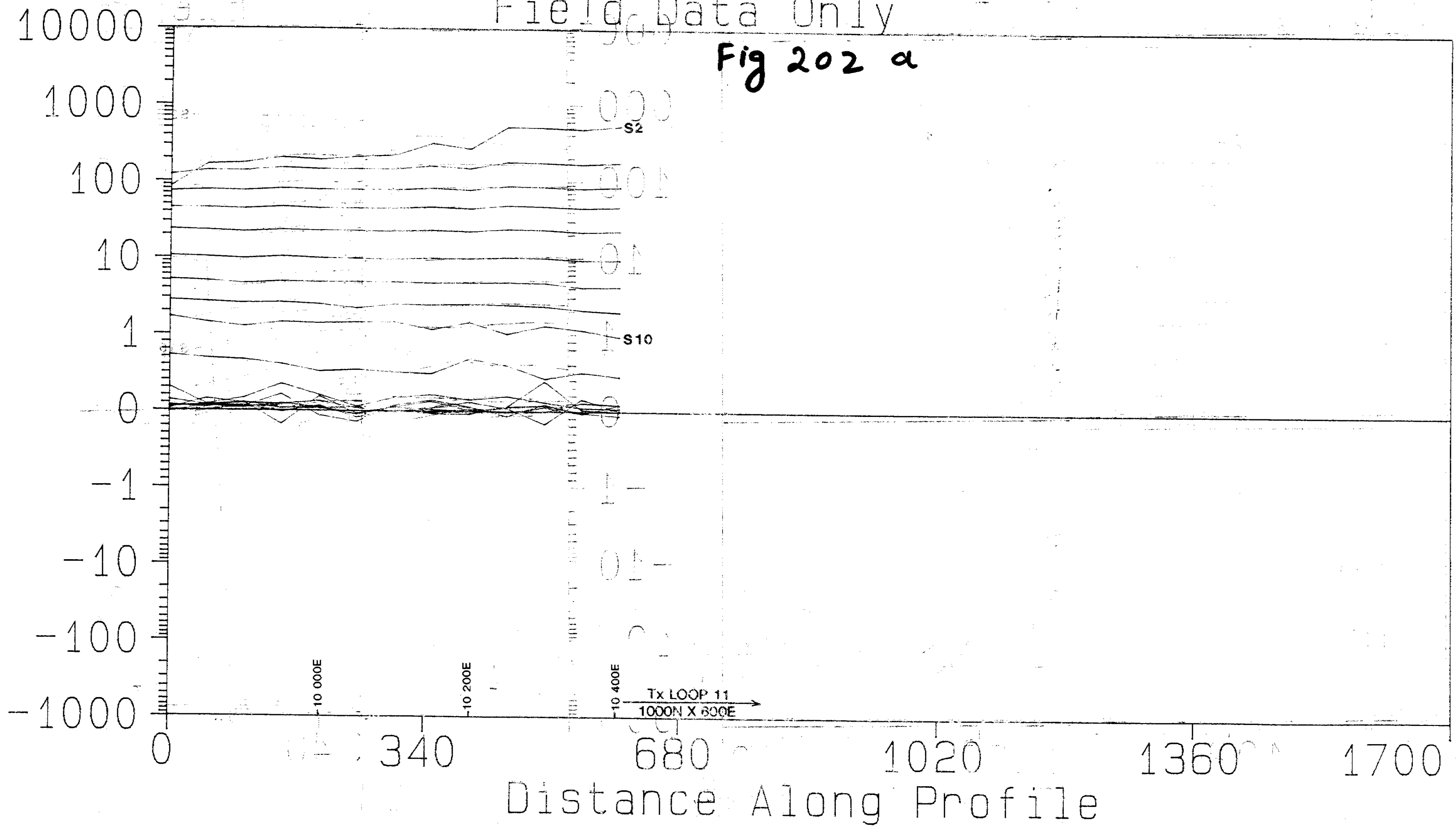
ST

Fixed Loop TX Co Roving Surface RX Component

Field Data Only

Fig 202 a

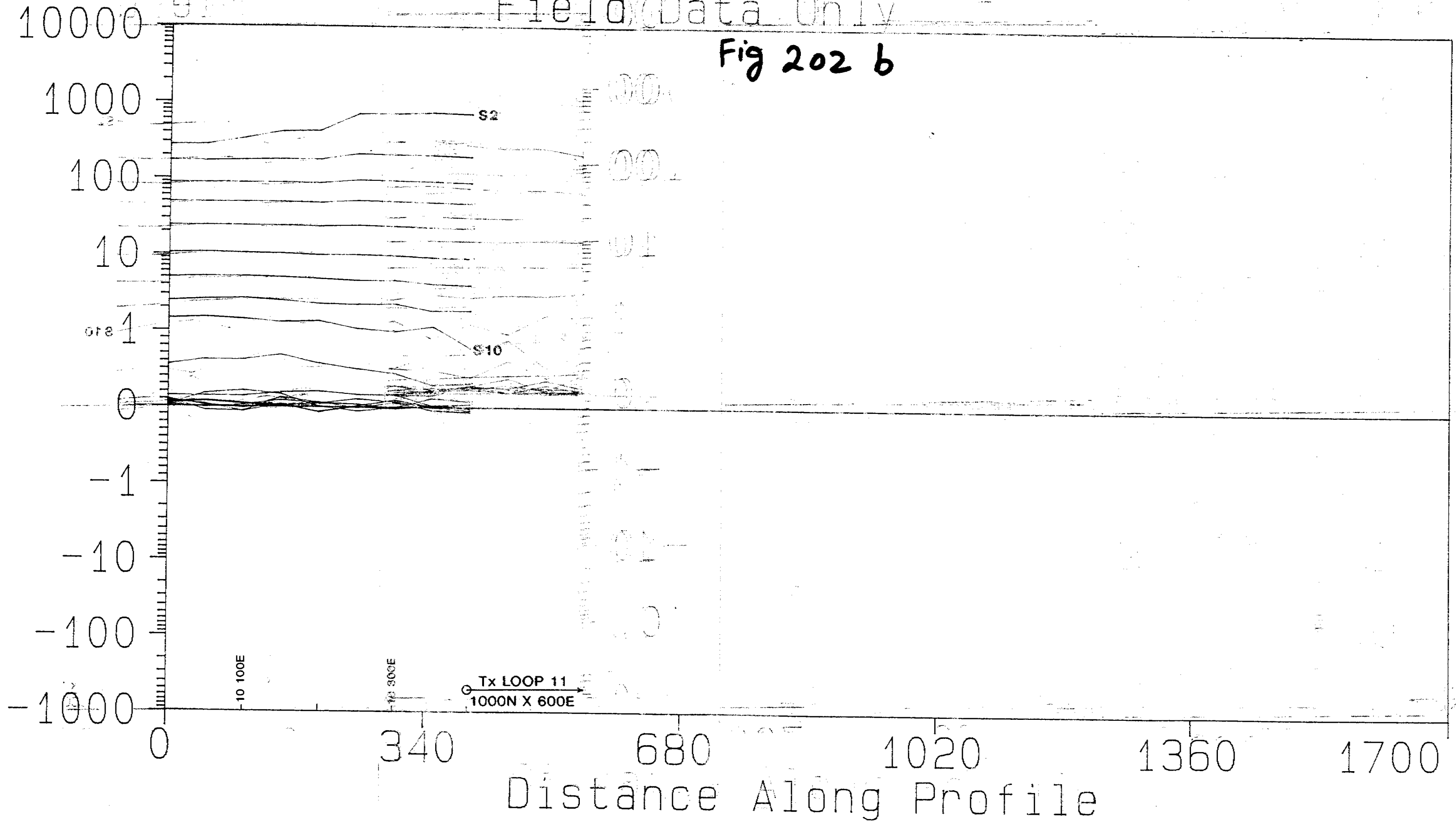
Response (Uv/A)



Distance Along Profile

TEM Response Profile
Line=41200N JONES Siretem ST
Fixed Loop TX, Roving Surface RX
Field Data Only

Fig 202 b



CR90/348 AG

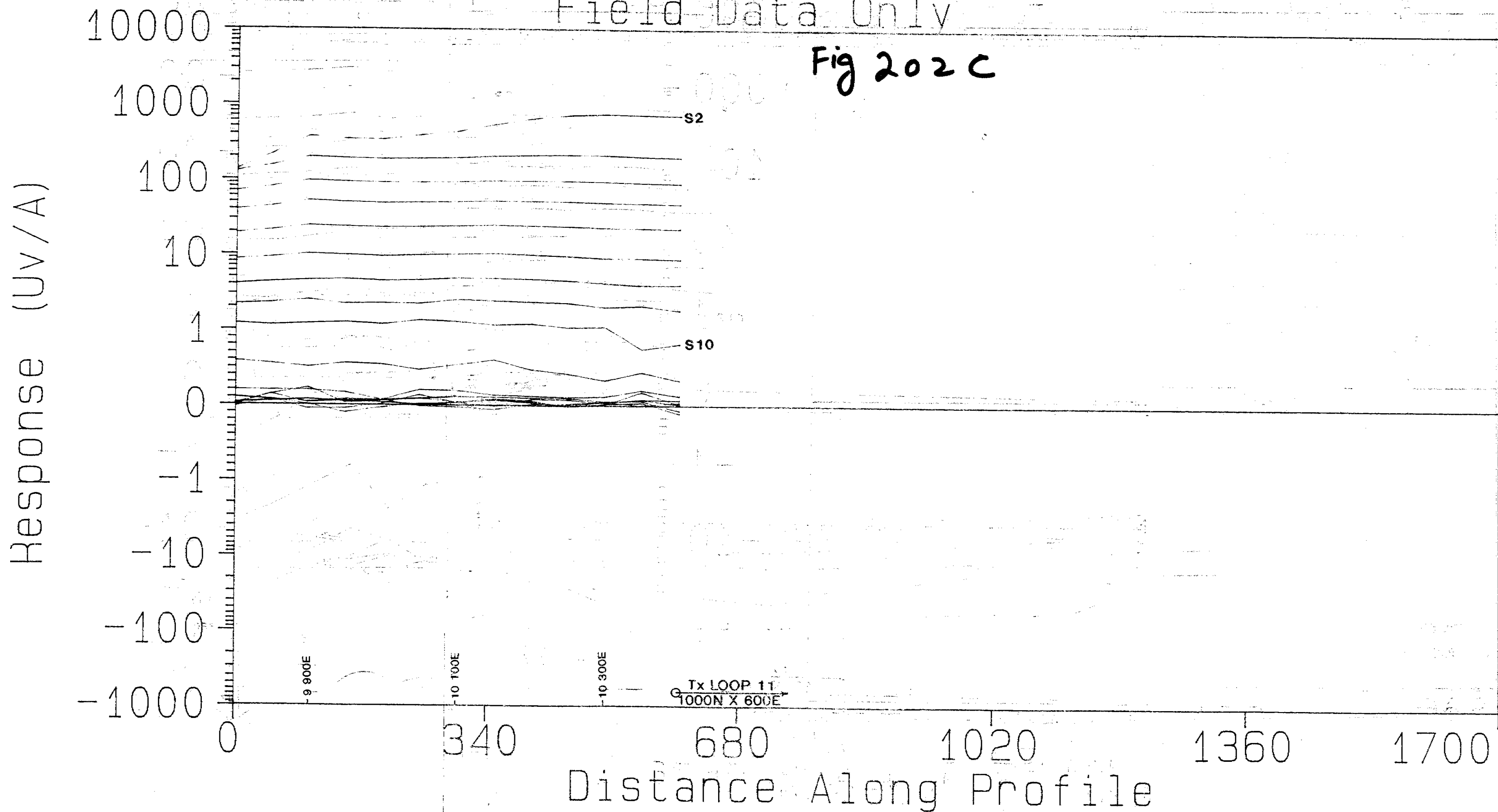
TEM Response Profile

Line=11400N JONES Sirotem ST

Fixed Loop TX, Roving Surface RX=0Z Component

Field Data Only

Fig 202C

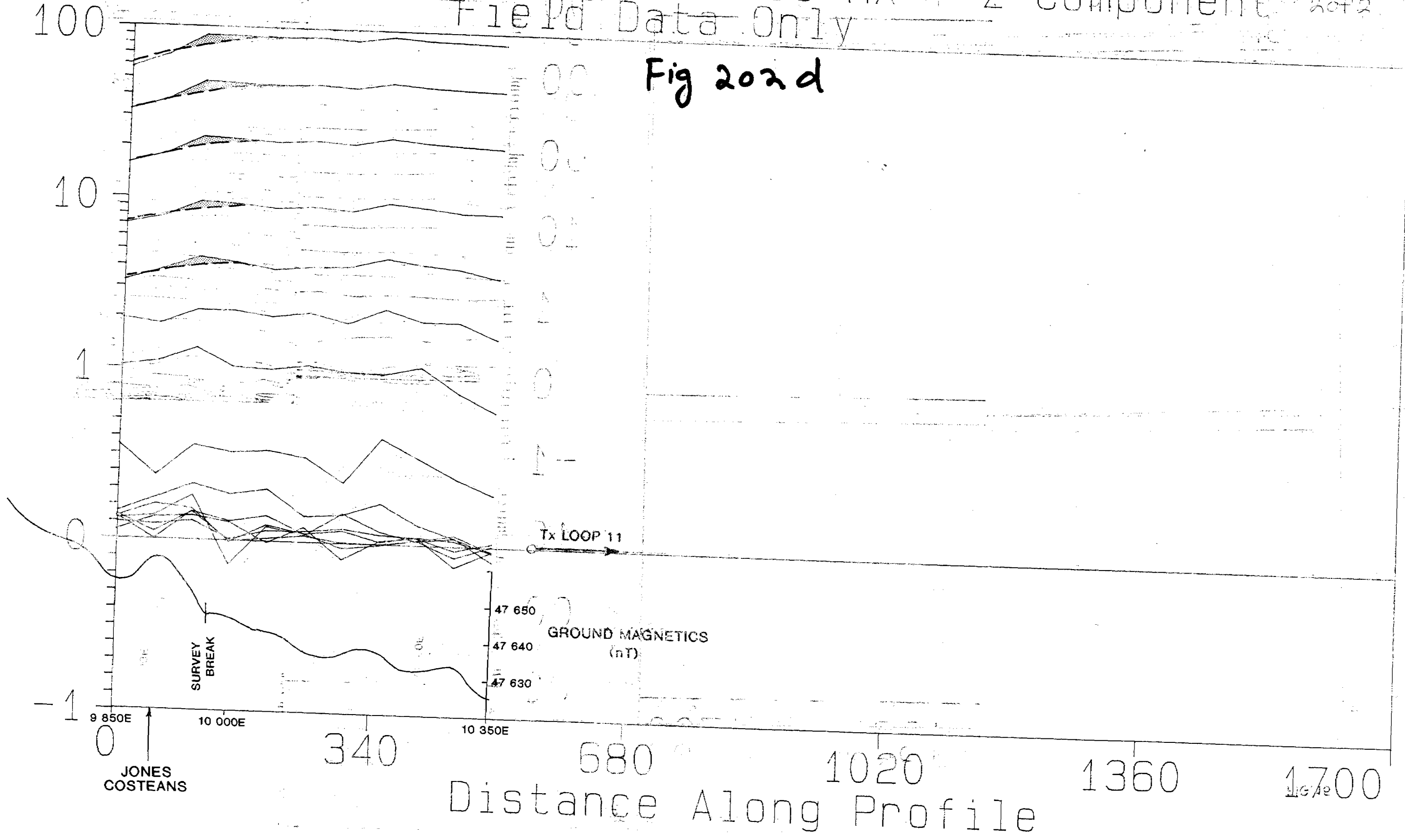


CR 90/248 AG

TEM Response Profile
Line 11600N: JONES Sirotem
Fixed Loop TX, Roving Surface RX
Field Data Only

Response (Uv/A)

Fig 202d



CR90/348AG

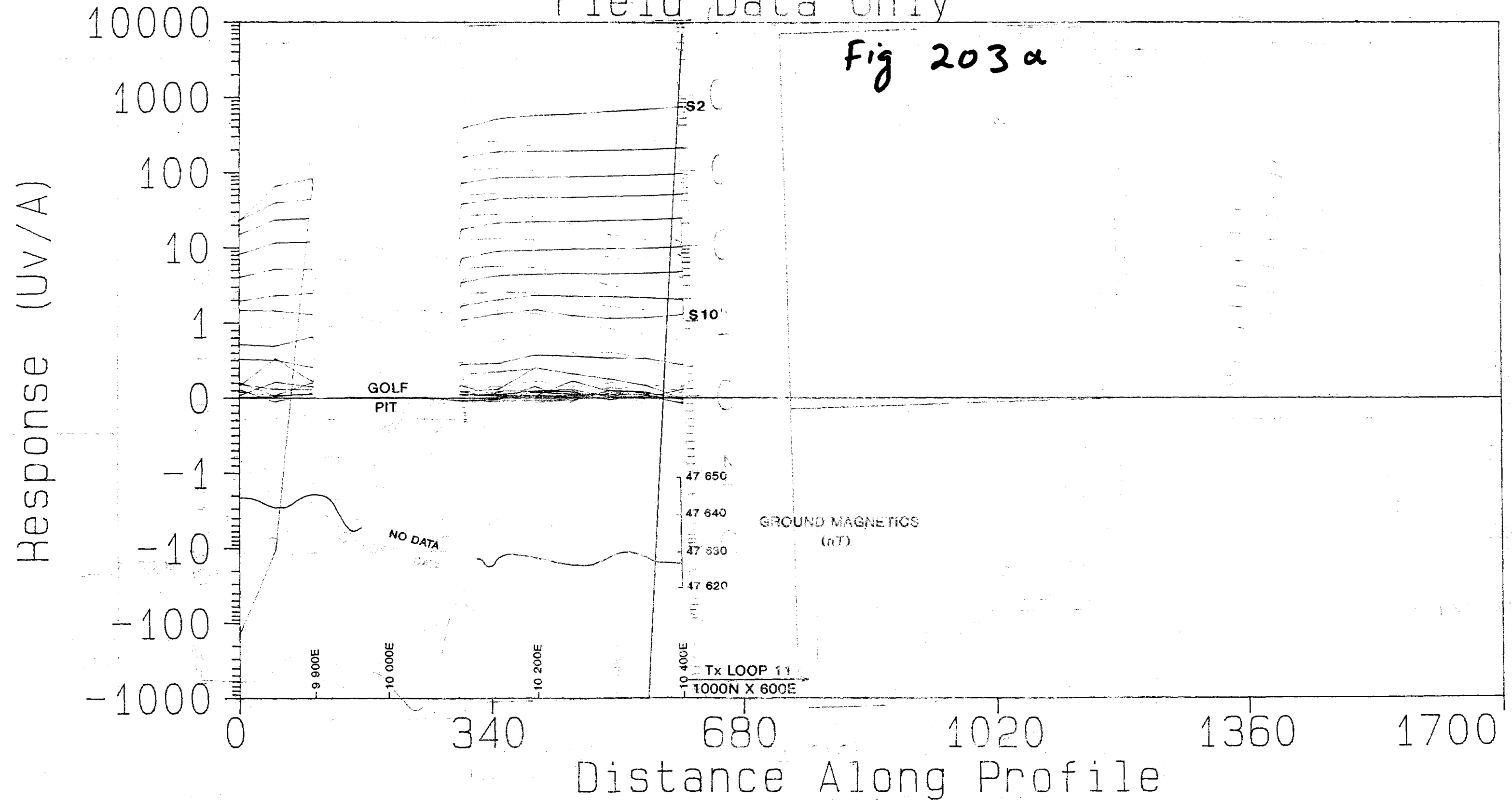
TEM Response Profile

Line=11800N GOLF SiroteM ST

Fixed Loop TX, moving Surface RX, Z Component

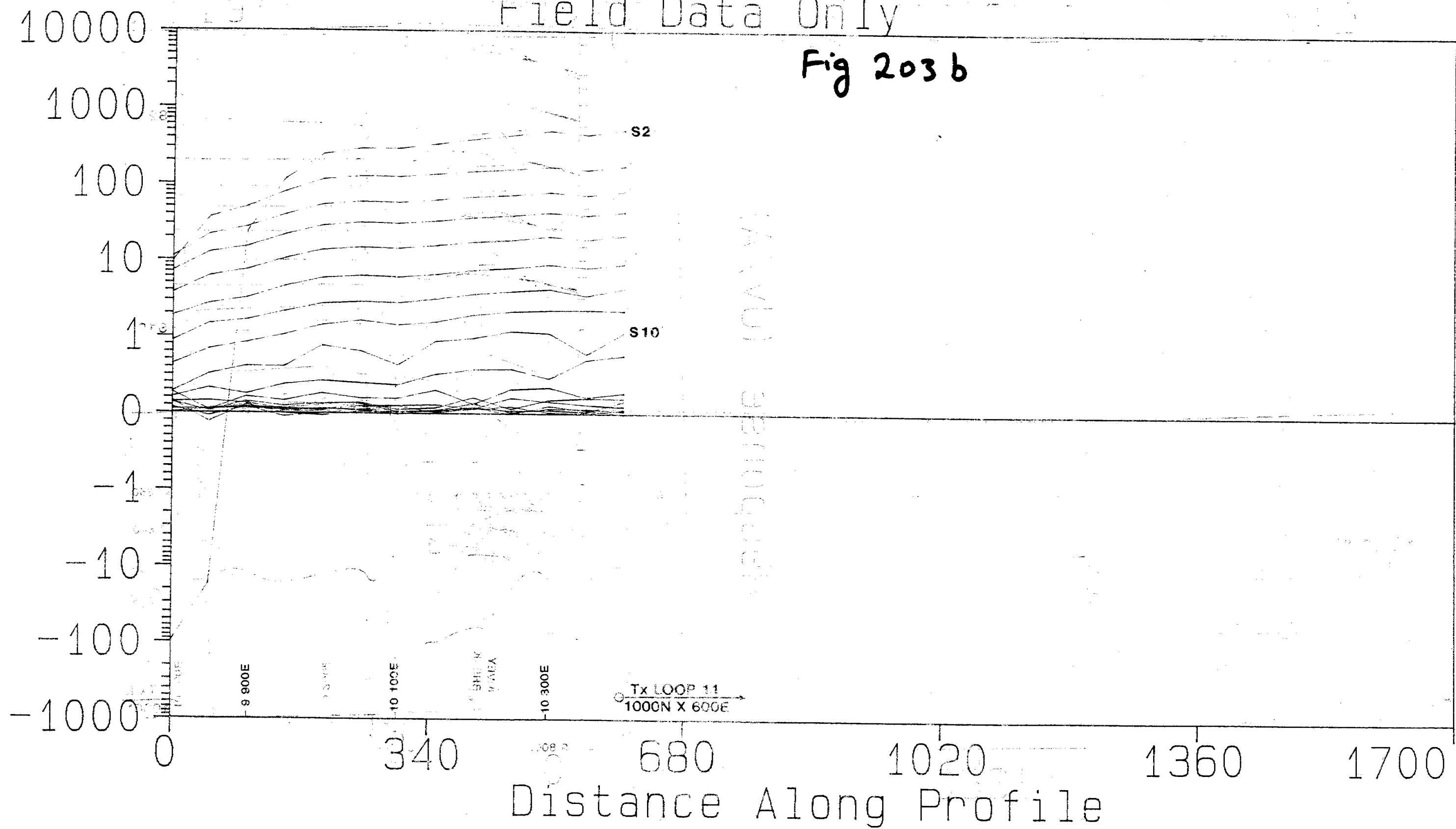
Field Data Only

Fig 203a



TEM Response Profile
Line=12000N GOLF Sirotem ST
Fixed Loop TX, Roving Surface RX - Z Component
Field Data Only

Fig 203 b



CR90/348 AG

TEM Response Profile
Line=12000N GOLF SirotemqST
Fixed Loop TX, Roving Surface RX - Z Component
Field Data Only

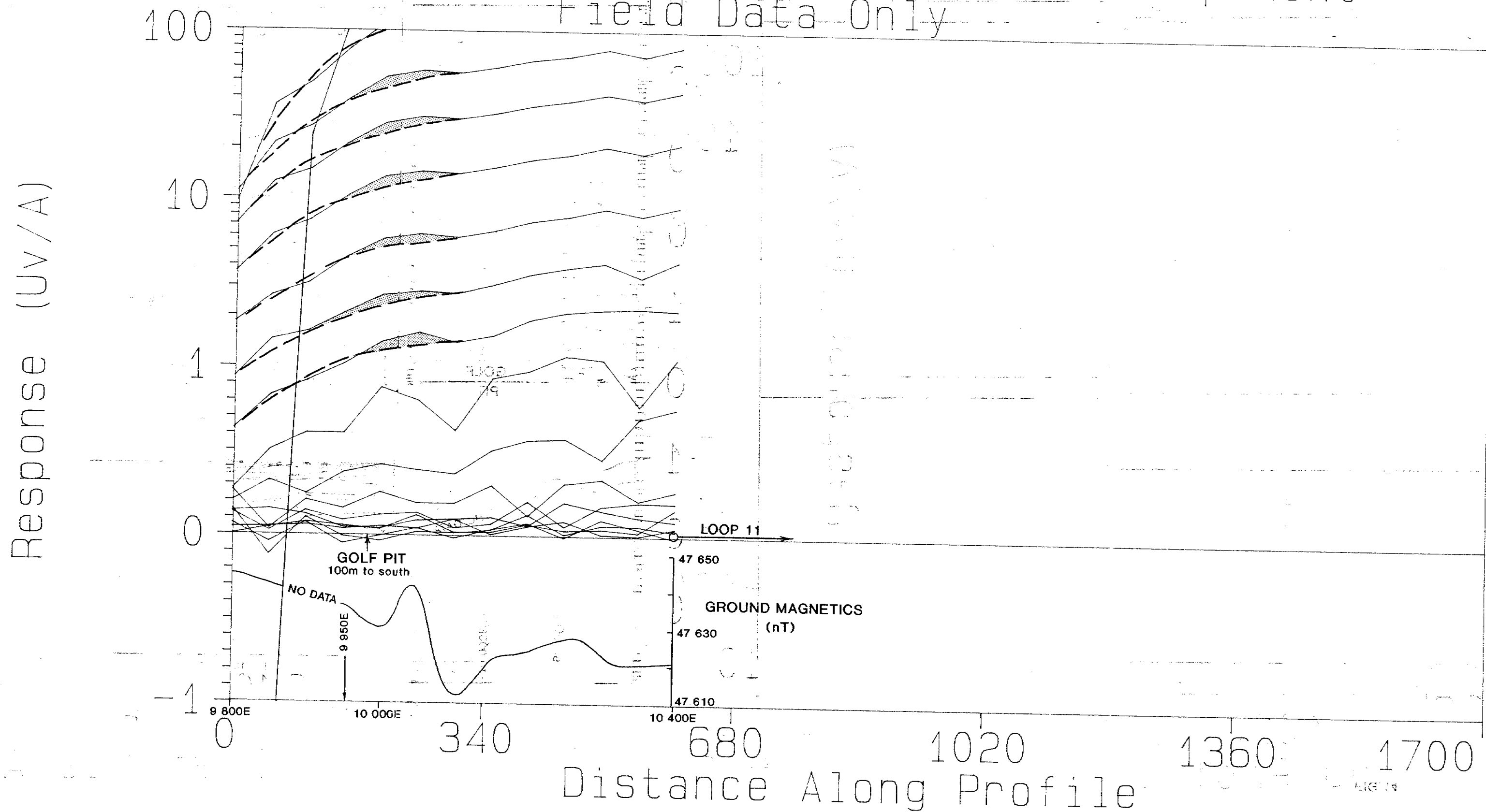


FIG.14

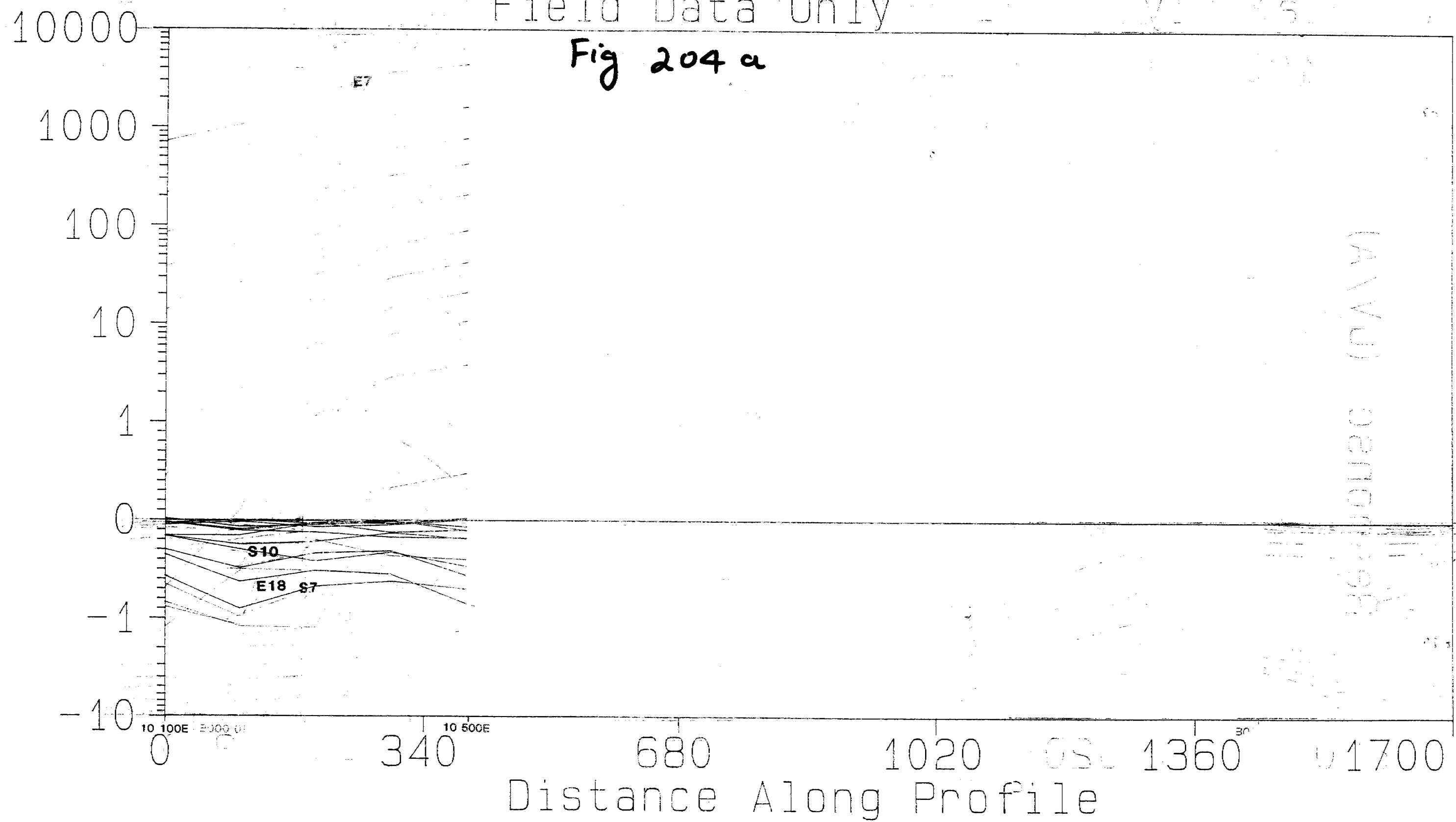
CR 90/348 A7

TEM Response Profile

MT TODD, GOLF NTH, 12700N, SIROTEM BT, 200MMINLOOP
Moving Loop TX, In Loop Dipole RX - Z Component
Field Data Only

Fig 204 a

Response (uV/A)



CR90/348AG

TEM Response Profile

3180

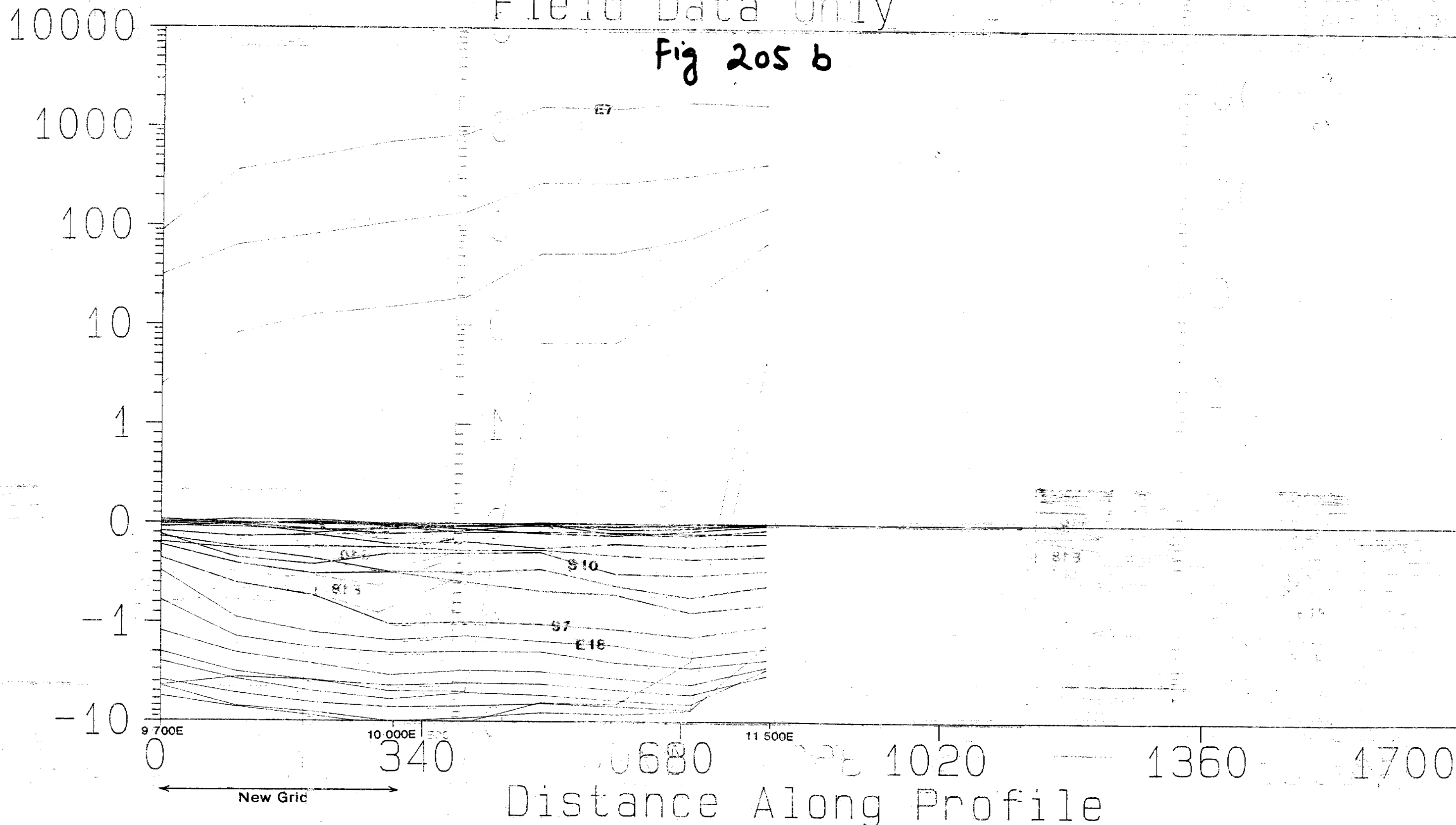
MT-TODD, GOLFENTH, 12900N, 50R0TEMN61, 200M-INLOOP

Moving Loop-TX, In Loop Bipole BX E Z Component

Field Data Only

Fig 205 b

Response (uV/A)



Appendix VII C
Sirotek Profiles
Penguin, Joker, Regatta, Quigleys

APPENDIX VII - GEOPHYSICS

VII C GEOPHYSICS - SIROTEM PROFILES

Fig 205 Penguin-Joker Lines ~~a~~12100N, ~~b~~12300N, ~~c~~12400N, ~~d~~12500N
~~e~~12800N, ~~f~~13000N, ~~g~~13200N, ~~h~~13400N

206 Penguin PD001 Profile

207 Regatta Lines ~~a~~40000N, ~~b~~40200N, ~~c~~40400N

208 Quigleys Lines ~~a~~10500E, ~~b~~10700E, ~~c~~10900E, ~~d~~11000E
~~e~~13200N, ~~f~~13400N, ~~g~~13600N, ~~h~~13800N, ~~i~~14000N

CR90/348 AH

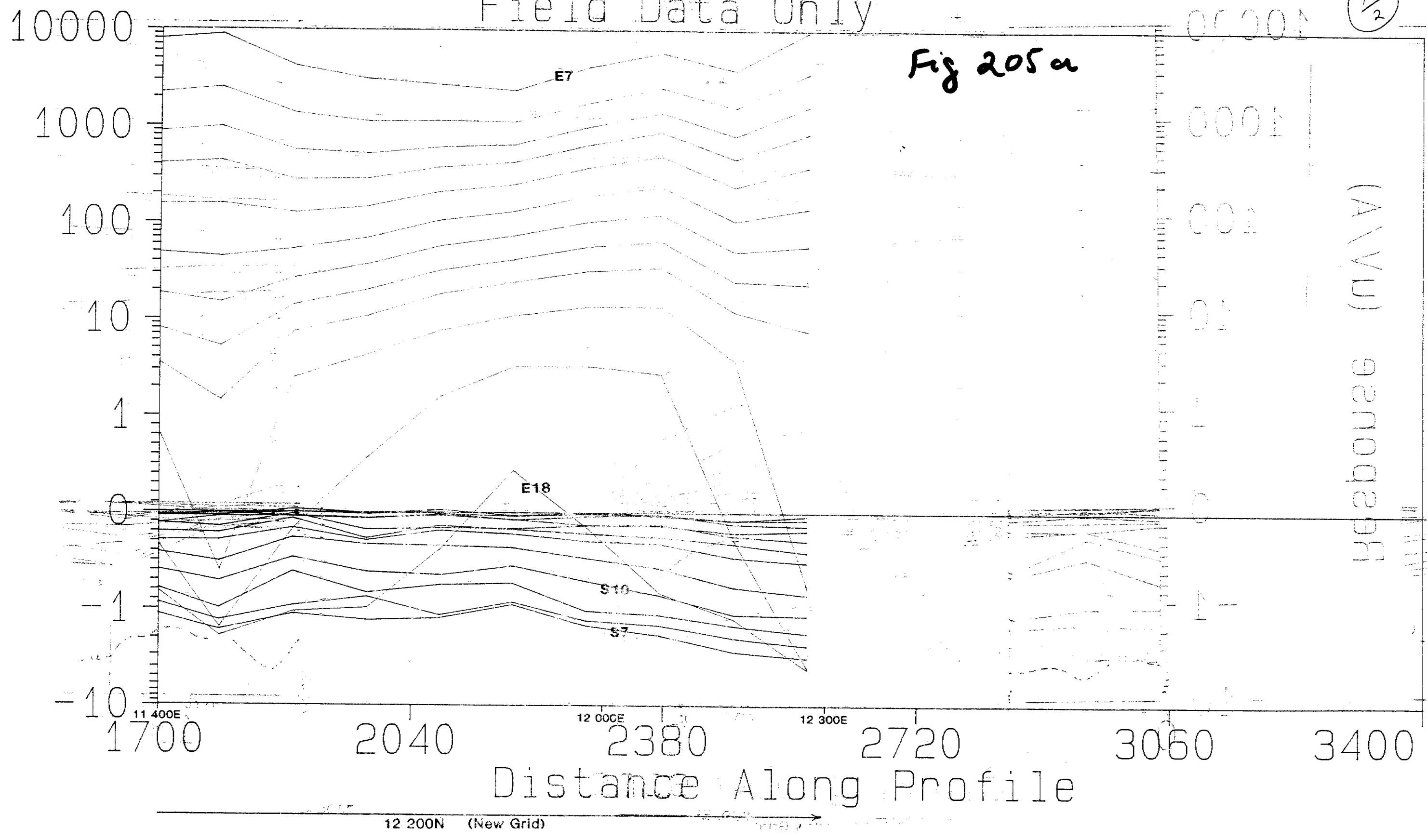
TEM Response Profile
MT 140DD, PENGUIN-JOKER, 12100N, SIROTEM ST, 200M INLOOP 100
Coincident Loop - Z Component
Field Data Only

(1/2)

Fig 205a

Response (uV/A)

(A/VU) esnoqsaH

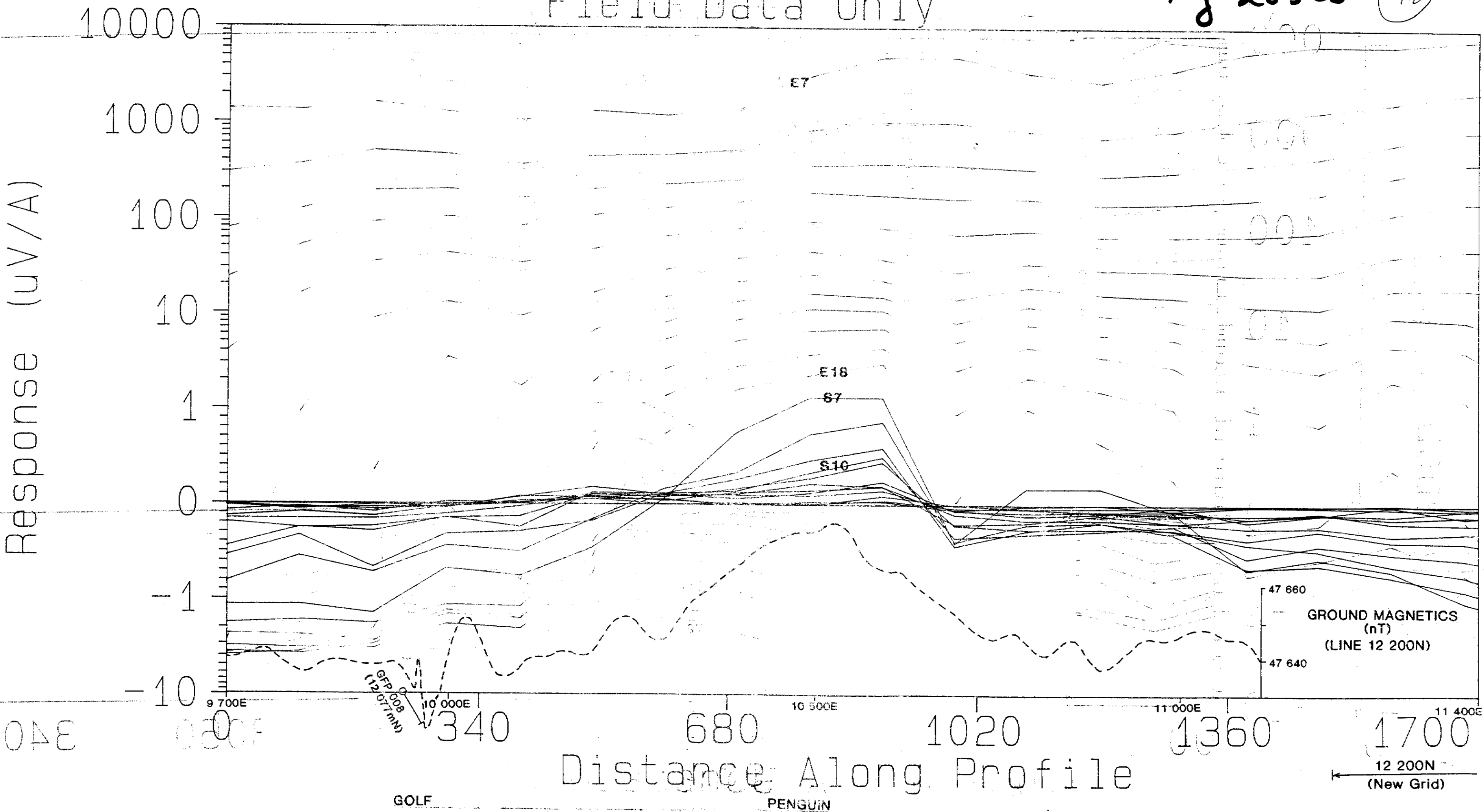


HA 8/2/06

TEM Response Profile

MT TODD, PENGUIN-JOKER, 12100N, SIROTEM ST, 200M INLOOP
Coincident Loop - Z Component
Field Data Only

Fig 205a (2/2)

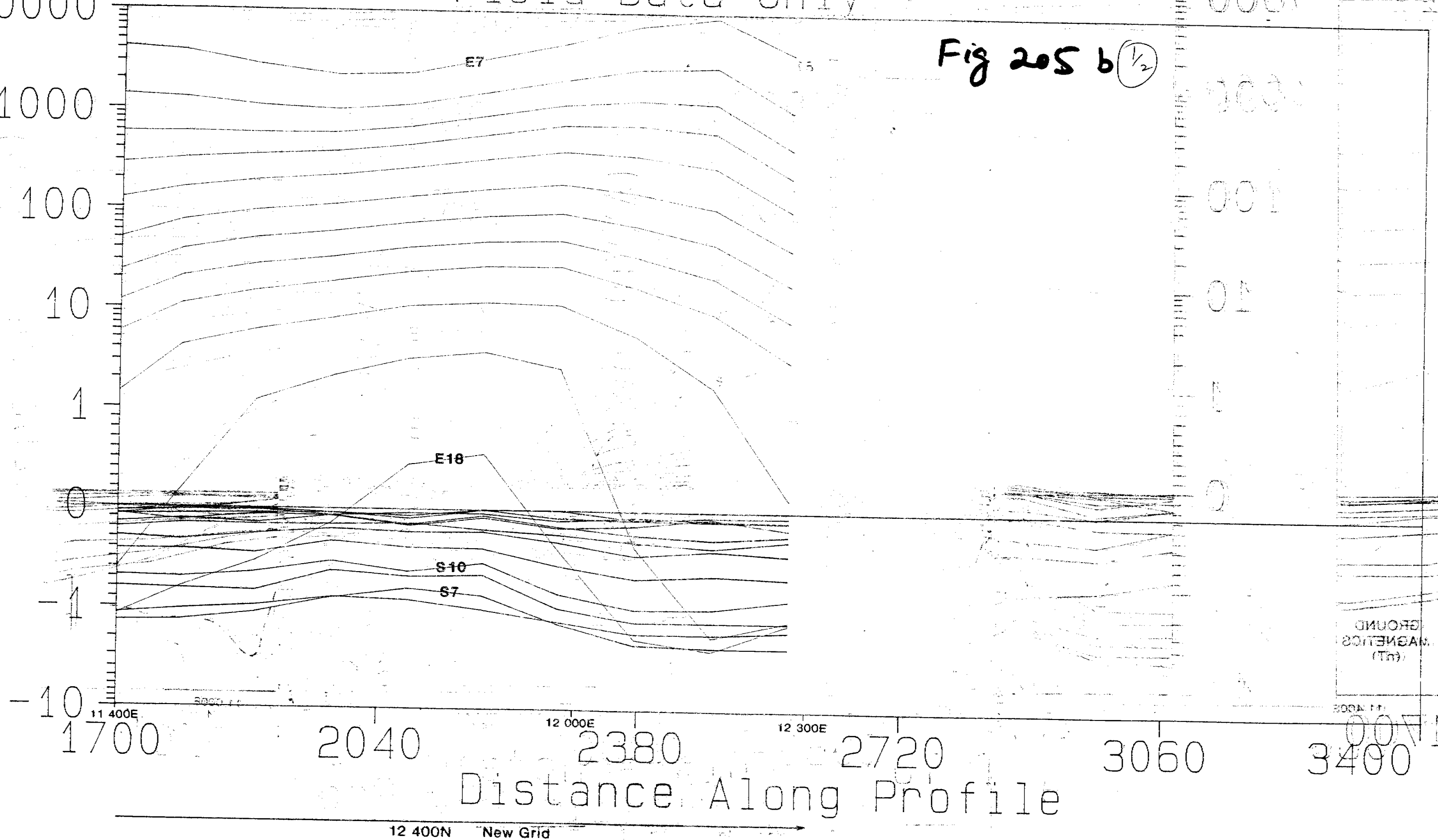


CR 90 1348 AH

TEM Response Profile
MT TODD, PENGUIN-JOKER, 12300N, SIROTEM ST, 200M IN LOOP
Moving Loop TX, In Loop Dipole RX - Z Component
Field Data Only

Response (uV/A)

Fig 205 b $\frac{1}{2}$

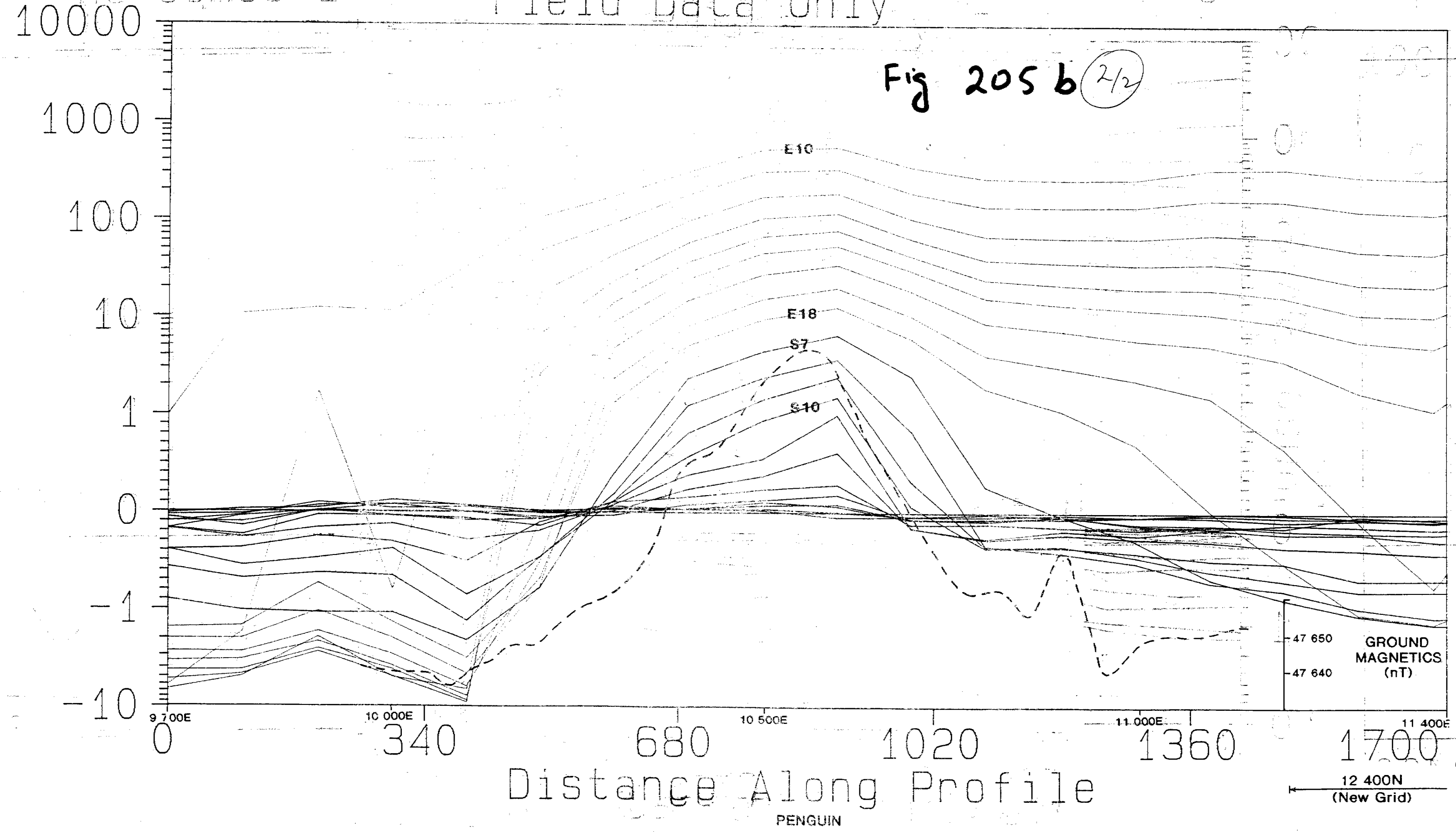


TEM Response Profile

MT TODD, PENGUIN-JOKER, 12300N, SIROTEM ST, 200M IN LOOP
Moving Loop IX, In Loop Dipole RX - Z Component
Field Data Only

Response (uV/A)

Fig 205 b (2/2)



47 650
47 640
GROUND MAGNETICS (nT)

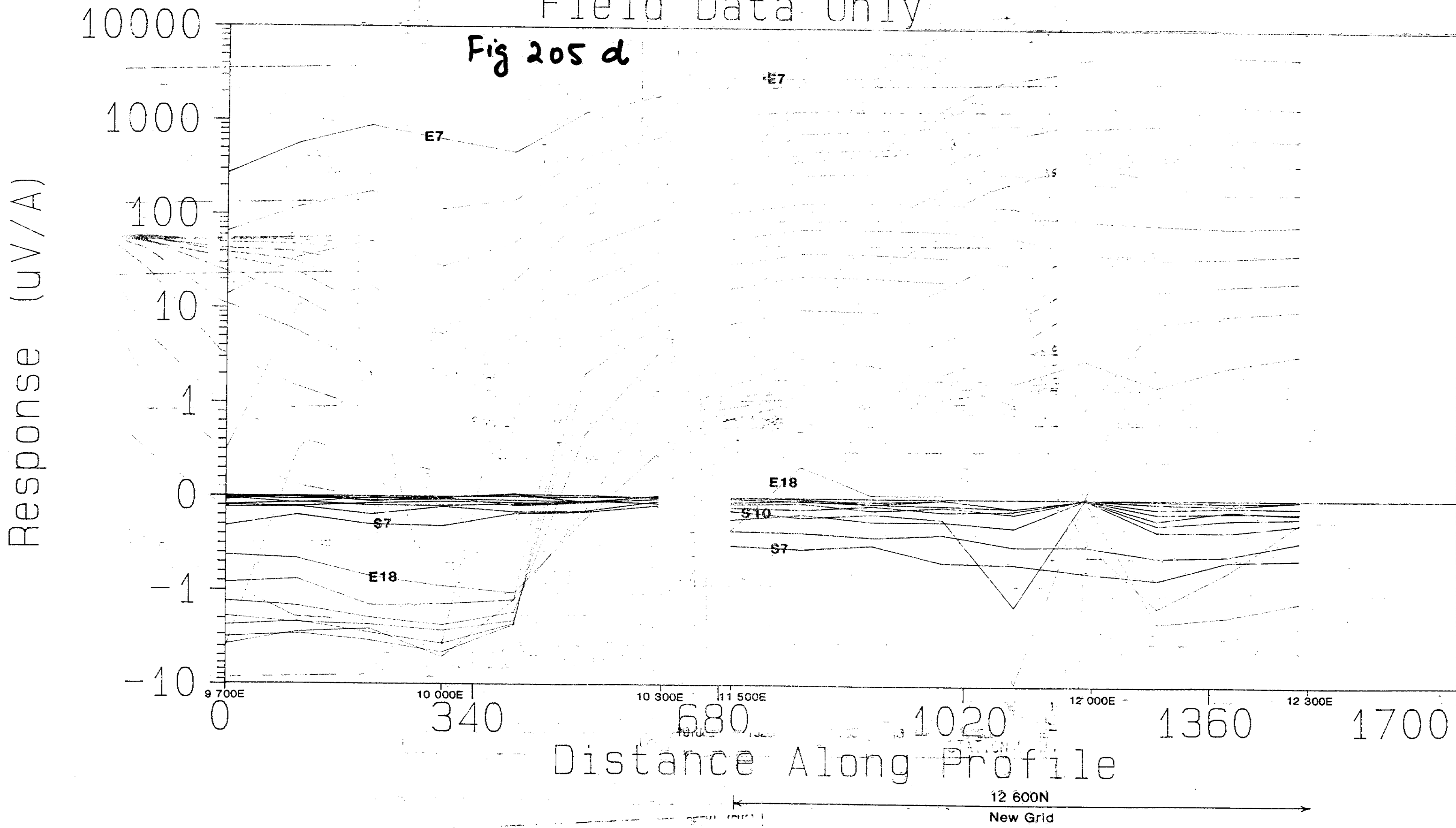
12 400N
(New Grid)

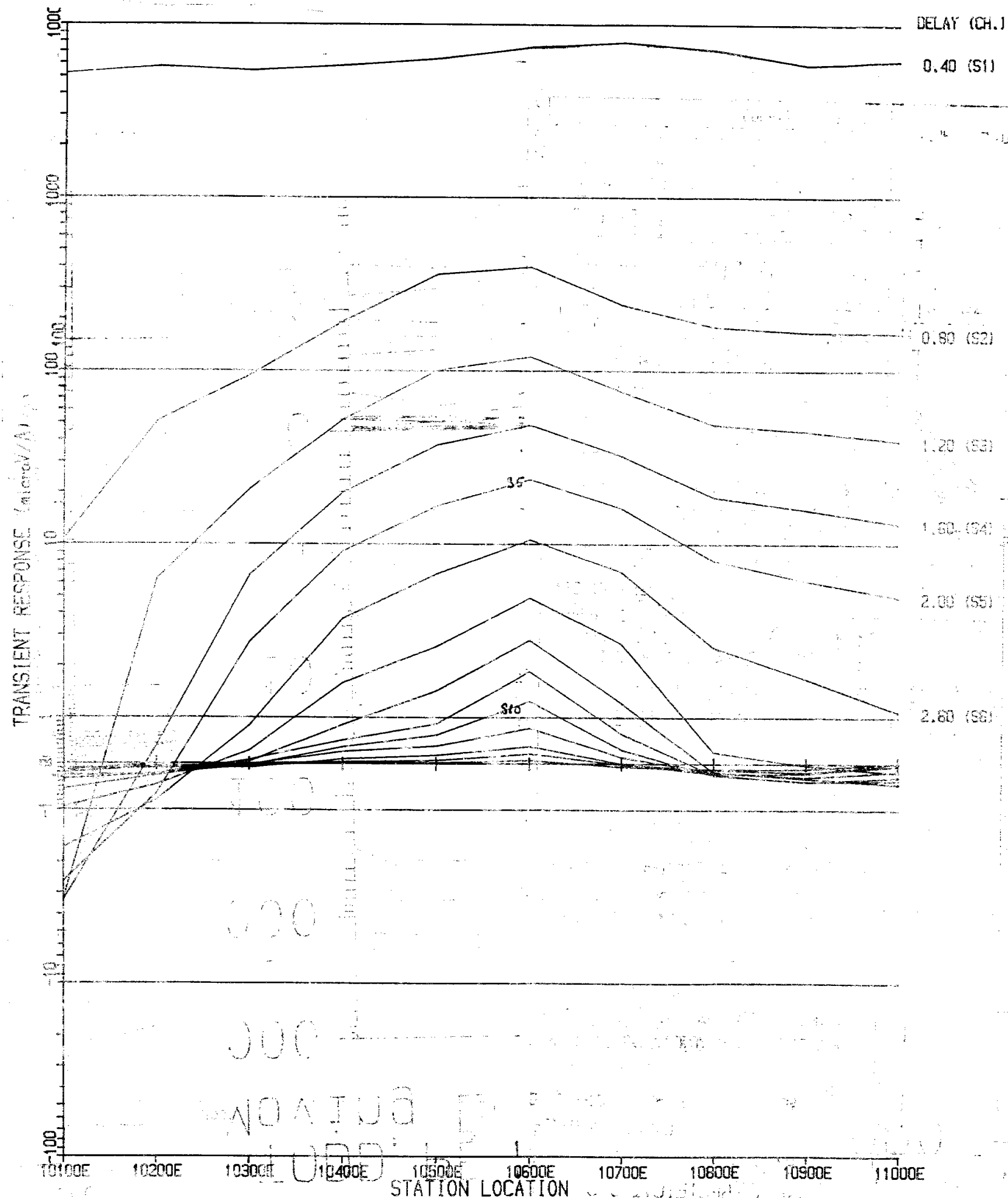
(New Grid)
12 400N

147818/0625

TEM Response Profile

MT TODD, PENGUIN-JOKER, 12500N, SIROTEM ST, 200M INLOOP
Moving Loop TX, In Loop Dipole RX - Z Component
Field Data Only





CR90/348 AH

SURVEY SPECIFICATIONS

DATA ACQUISITION : MCKIMMING GEOPHYSICS

SURVEY DATE : AUGUST 1989

CONFIGURATION : 200M SQUARE TX LOOP

100 LOOP RECEIVER

READING INT. : 500 METRES

NO. OF STACKS : MEDLEY POWER

TRANSMITTER : MEDION POWER

RECEIVER : SIROTEM 11 S/N 1236

CURRENT : 15.4 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 TIME WINDOW

S - STANDARD TIME WINDOW

Fig205C

BILLITON GOLD

MT. TODD

PENGUIN

SIROTEM PROFILE

LINE 12400N

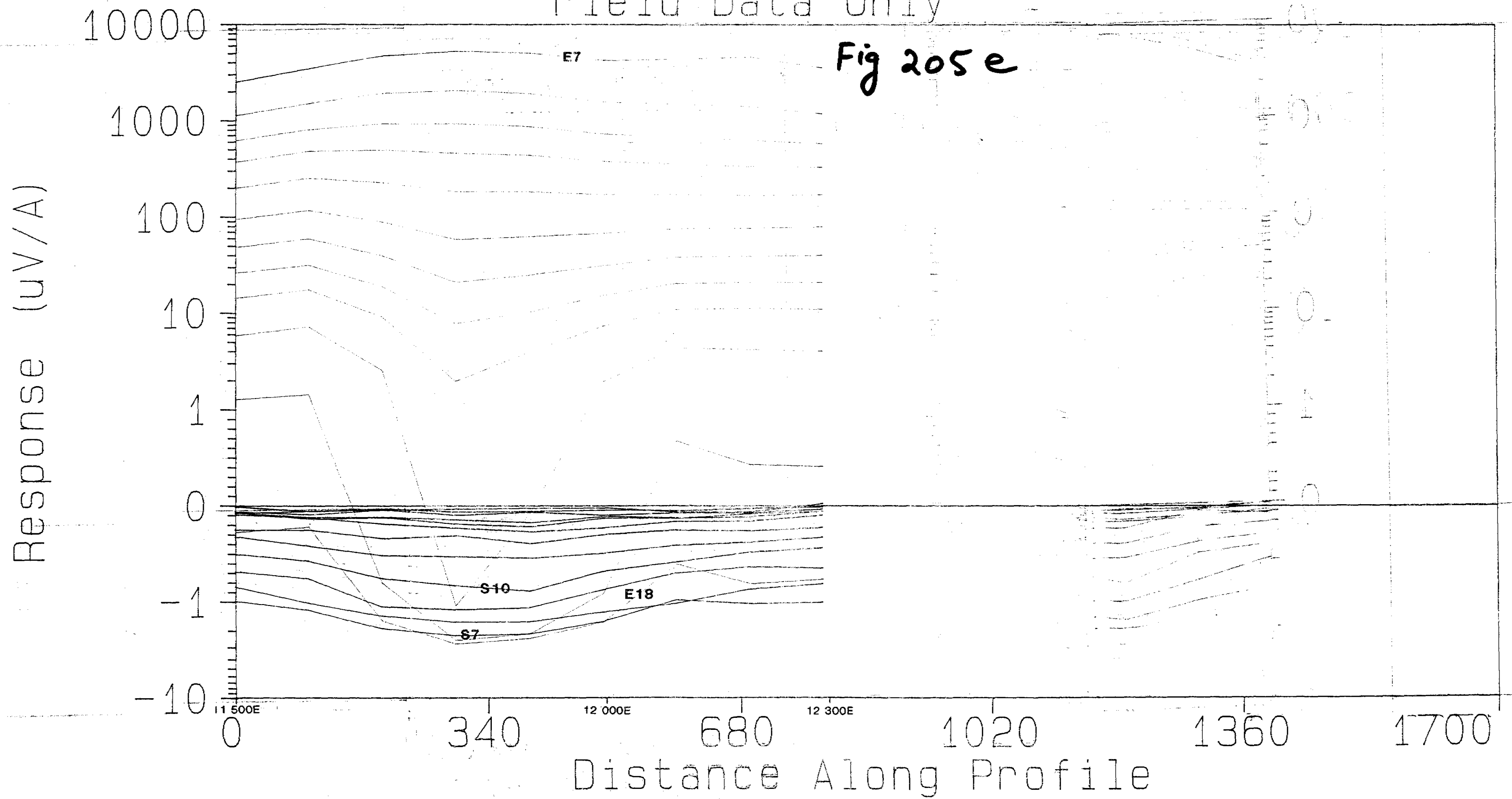
SCALE : 1:5000

0290/348 AH

TEM Response Profile

MT TODD, JOKER, 12800N, SIROTEM ST, 200M IN LOOP
Moving Loop TX, In Loop Dipole RX - (Z₀ Component)
Field Data Only

Fig 205e



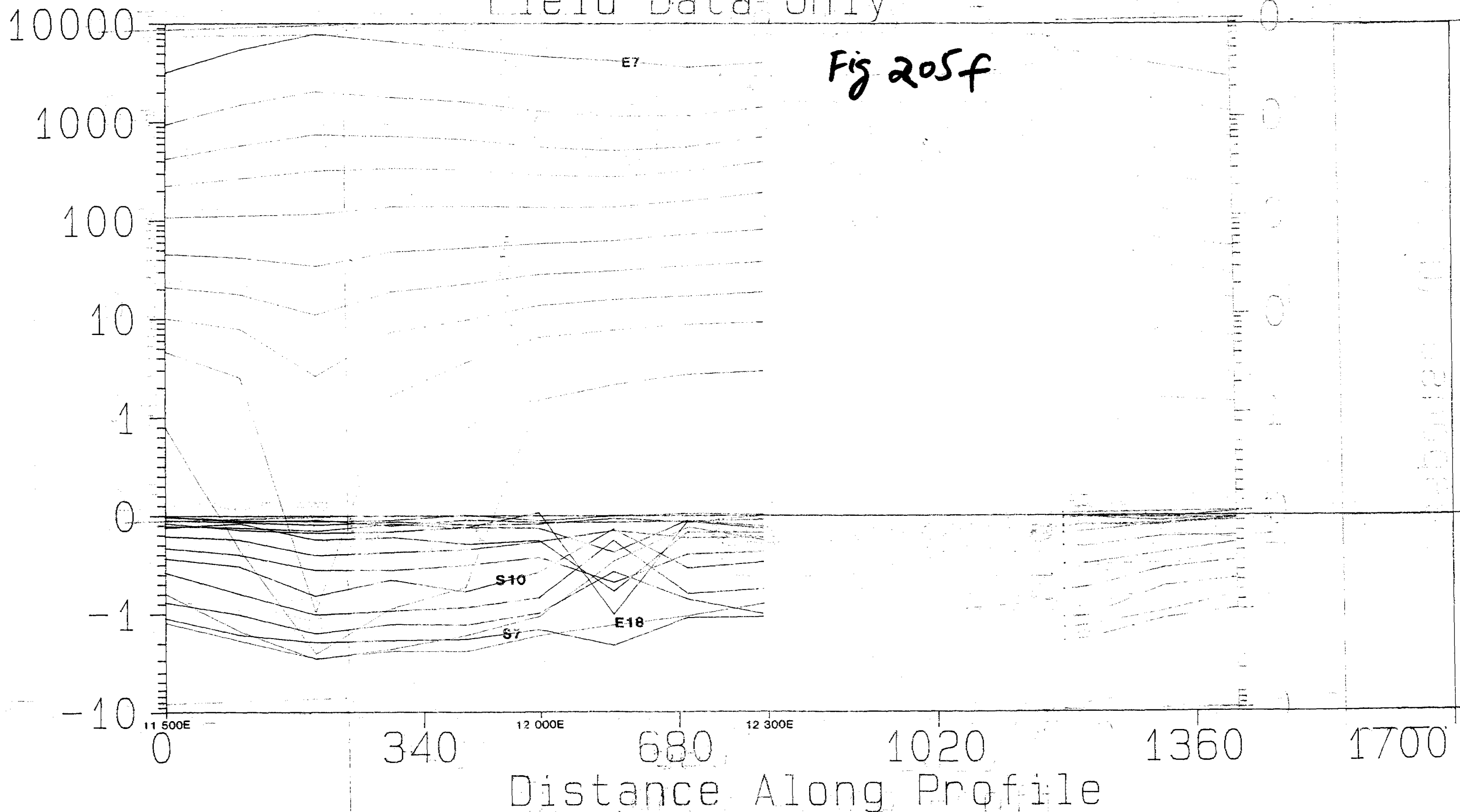
CR90/348 AH

TEM Response Profile

MT: TODD, WOKER, 13000N, SIROTEM ST, 200M, IN LOOP
Moving Loop, TX, In Loop Dipole RX - Z Component
Field Data Only

Fig 205f

Response (uV/A)



16

1000

1000

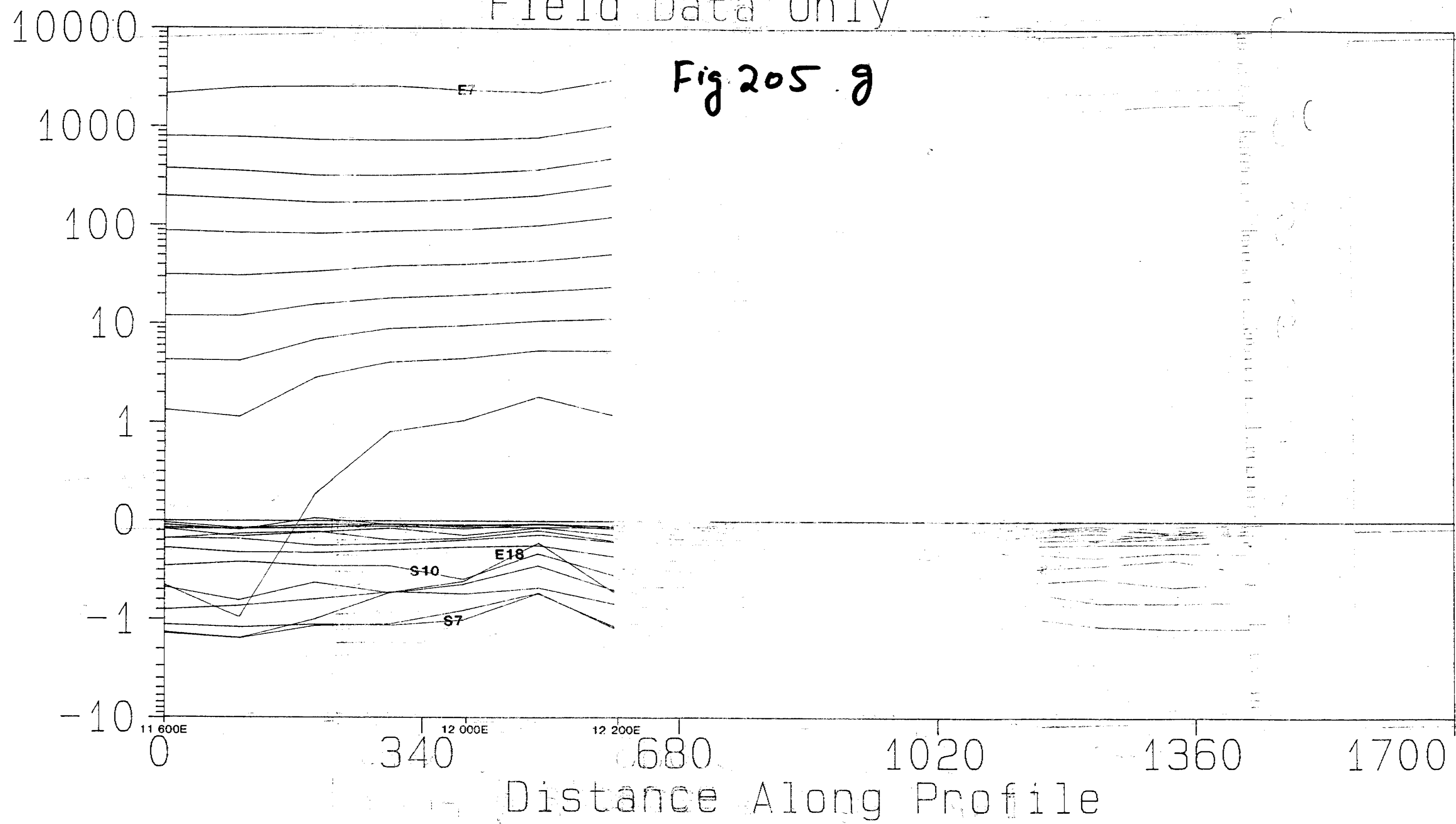
HA 8/6/00

TEM Response Profile

MT TODD, JOKER, 13200N, SIROTEM ST, 200M IN LOOP
Moving Loop TX, In Loop Dipole RX - Z Component
Field Data Only

Fig 205.9

Response (uV/A)

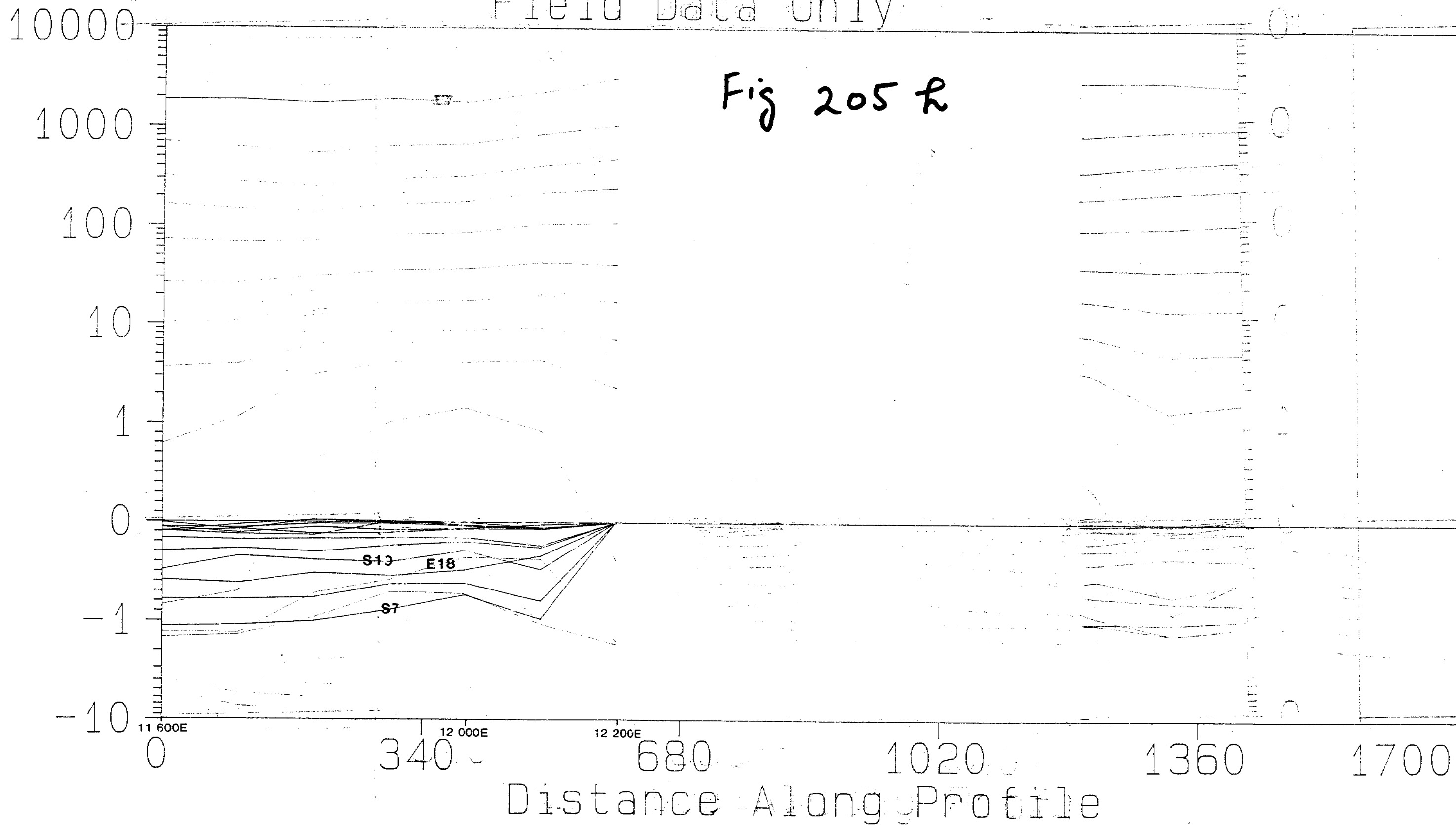


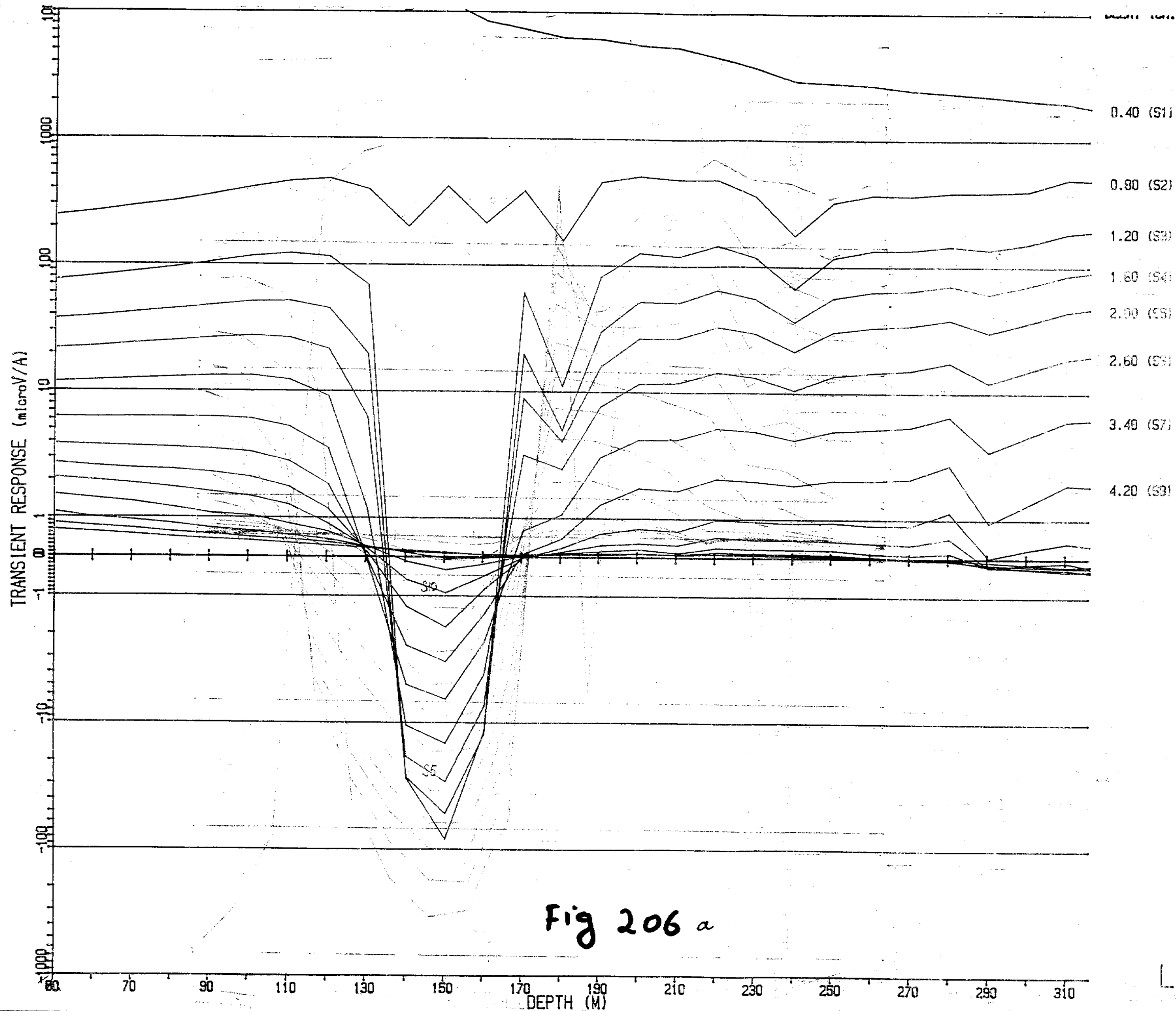
TEM Response Profile

MTCTODD, WOKER, 13400N, SIROTEM ST, 200M, INL00P
 Moving Loop TX, In Loop Dipole RX - Z Component
 Field Data Only

Response (uV/A)

Fig 205 R





CR90/348A4

SURVEY SPECIFICATIONS

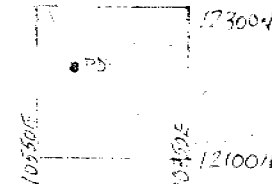
DATA ACQUISITION : MCKINNON GEOPHYSICS

SURVEY DATE : AUGUST 1989
 CONFIGURATION : 200M SQUARE TX. LOOP
 DRILL HOLE SURVEY
 READING INT. : 10 METRES
 NO. OF STAGES : 512
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM II SW 1988
 CURRENT : 12.8 AMPS
 OPERATOR : P. MCKINNON

PLOT SPECIFICATIONS

HORIZONTAL SCALE : 1:1000
 VERTICAL SCALE : LOGARITHMIC
 3CM. PER DECADE
 LINEAR BETWEEN
 -1 AND +1

$T_0 = 254 \mu\text{sec}$
 TIME DELAYS IN MILLISECONDS
 E - EARLY TIME WINDOW
 S - STANDARD TIME WINDOW



BILLITON GOLD

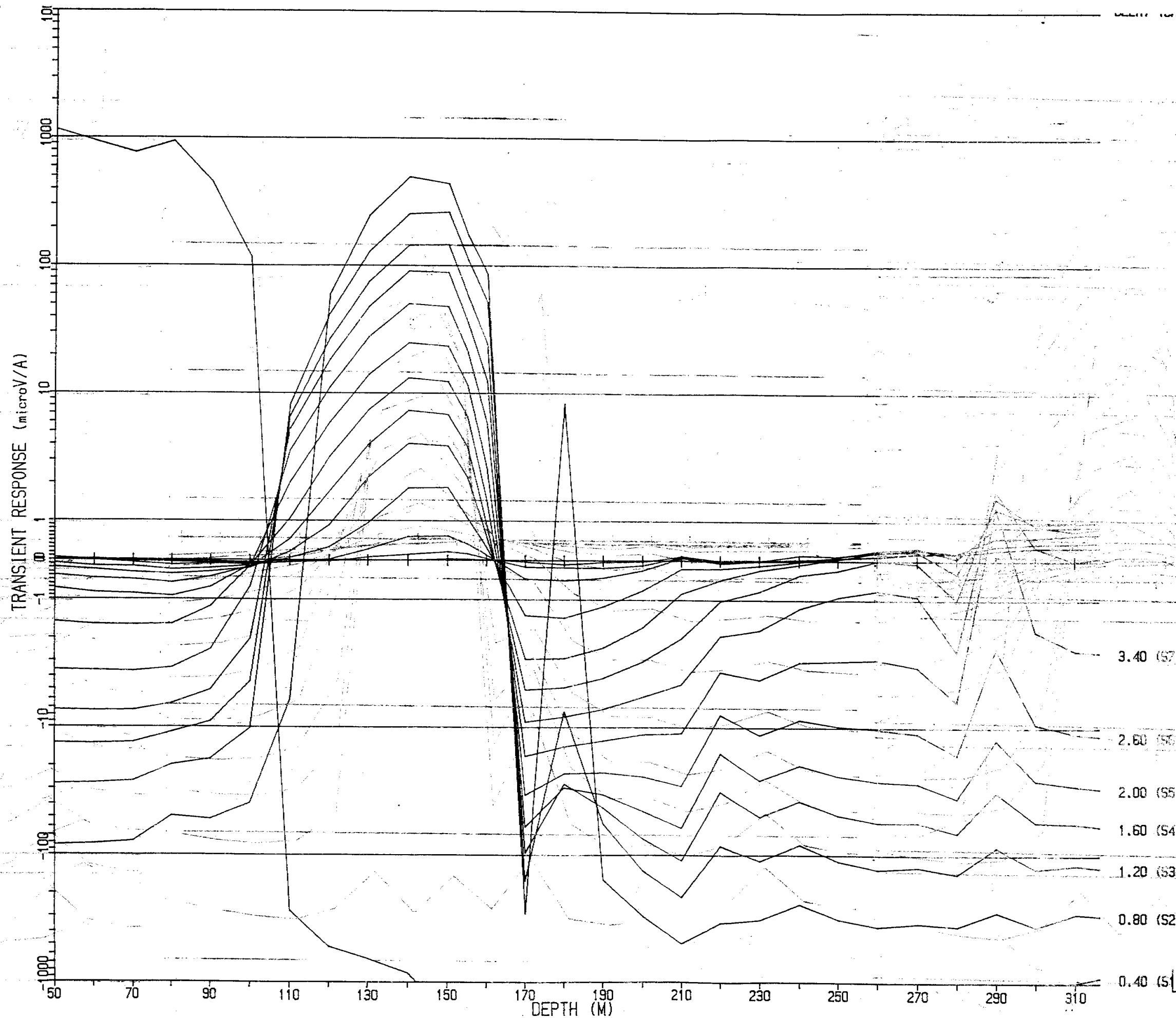
MT. TODD
 PENGUIN

SIROTEM PROFILE
 LINE DHPD1 LP1 (S.E)

SCALE : 1:1000

1054

CR90/348 AH



SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : AUGUST 1989

CONFIGURATION : 200M SQUARE TX. LOOP,
DRILL HOLE SURVEY

READING INT. : 10 METRES

NO. OF STACKS : 512

TRANSMITTER : MEDIUM POWER

RECEIVER : SIROTEM 11 S/N 1236

CURRENT : 12.7 AMPS

OPERATOR : P. McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE : 1:1000

VERTICAL SCALE : LOGARITHMIC
3CM. PER DECADE
LINEAR BETWEEN
-1 AND +1

$\tau_a = 264 \mu\text{sec.}$

TIME DELAYS IN MILLISECONDS

EARLY TIME WINDOW

STANDARD TIME WINDOW

Fig 206 b

BILLITON GOLD

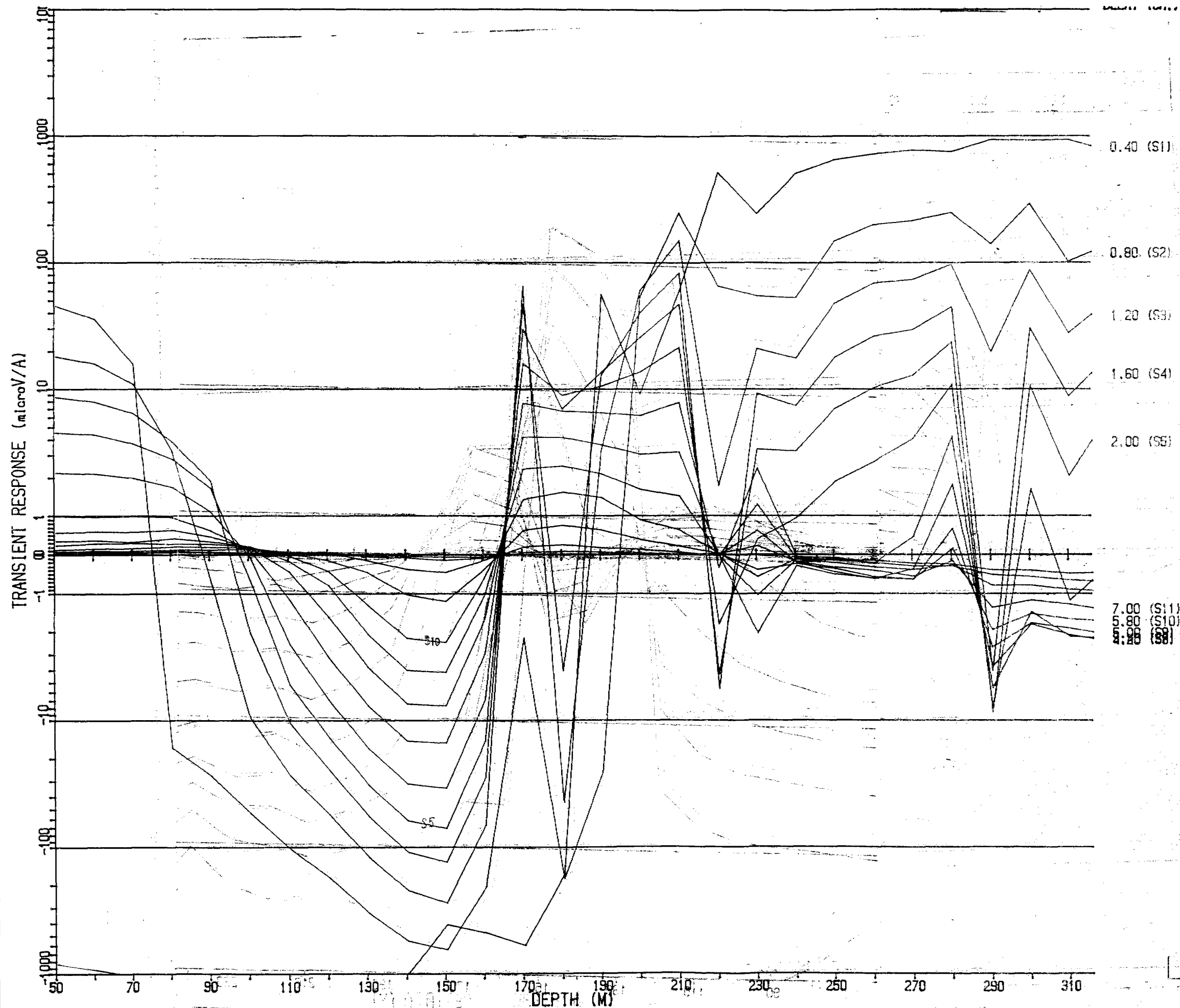
MT. TODD
PENGUIN

SIROTEM PROFILE

LINE DHPD1 LP2 (S.W)

SCALE : 1:1000

2084



CR90/348 AH

SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS

SURVEY DATE : AUGUST 1989
 CONFIGURATION : 200M SQUARE TX. LOOP, DRILL HOLE SURVEY
 READING INT. : 10 METRES
 NO. OF STACKS : 256
 TRANSMITTER : MEDIUM POWER
 RECEIVER : SIROTEM II S/N 1235
 CURRENT : 12.5 AMPS
 OPERATOR : P. McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:1000
 VERTICAL SCALE - LOGARITHMIC
 3CM. PER DECADE
 LINEAR BETWEEN -1 AND +1

TIME DELAYS IN MILLISECONDS
 E - EARLY TIME WINDOW
 S - STANDARD TIME WINDOW

Fig 206c

BILLITON GOLD

MT. TODD
 PENGUIN

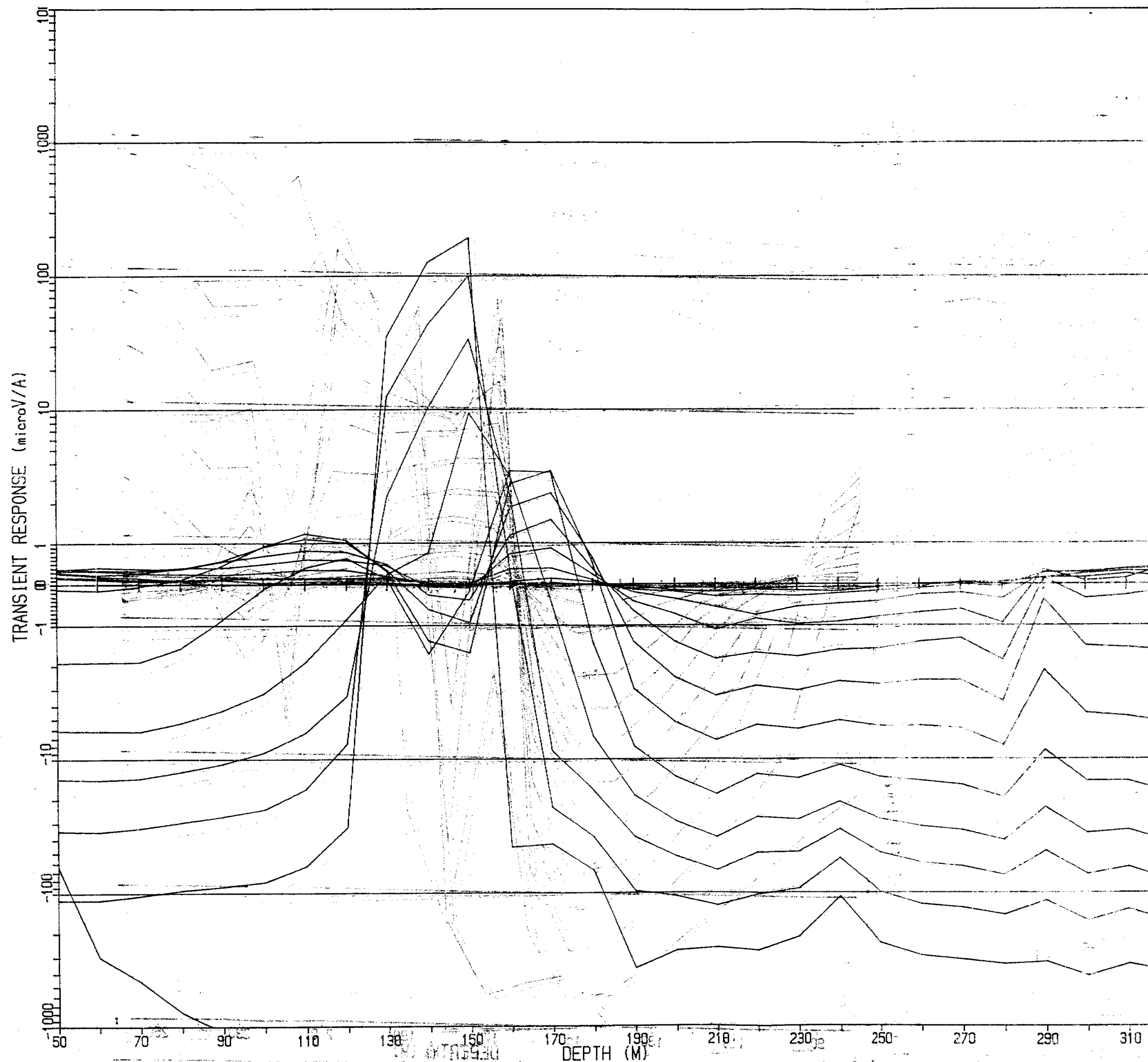
SIROTEM PROFILE

LINE DHPD1 LP3 (N.W)

SCALE - 1:1000

3084

CR 90/348 AH



SURVEY SPECIFICATIONS

DATA ACQUISITION: McSKIMMING GEOPHYSICS

SURVEY DATE: AUGUST 1989

CONFIGURATION: 200M SQUARE TX. LOOP,
DRILL HOLE SURVEY

READING INT.: 10 METRES

NO. OF STACKS: 256

TRANSMITTER: MEDIUM POWER

RECEIVER: SIROTEM II S/N-1236

CURRENT: 12.8 AMPS

OPERATOR: P. McSKIMMING

PLOT SPECIFICATIONS

HORIZONTAL SCALE: 1:1000

VERTICAL SCALE: LOGARITHMIC
3CM. PER DECADE
LINEAR BETWEEN
-1 AND +1

TIME DELAYS IN MILLISECONDS

E - EARLY TIME WINDOW

S - STANDARD TIME WINDOW

Fig 207d
12.300N

BILLITON GOLD

MT. TODD
PENGUIN

SIROTEM PROFILE

LINE DHPD1-LP4 (N.E)

SCALE: 1:1000

4054

CR90/348AH

TEM Response Profile

MTB TODD, REGATTA, 4000N, SIROTEM ST, LOOP 16
Fixed Loop TX, Roving Surface RX - Z Component
Field Data Only

Response (uV/A)

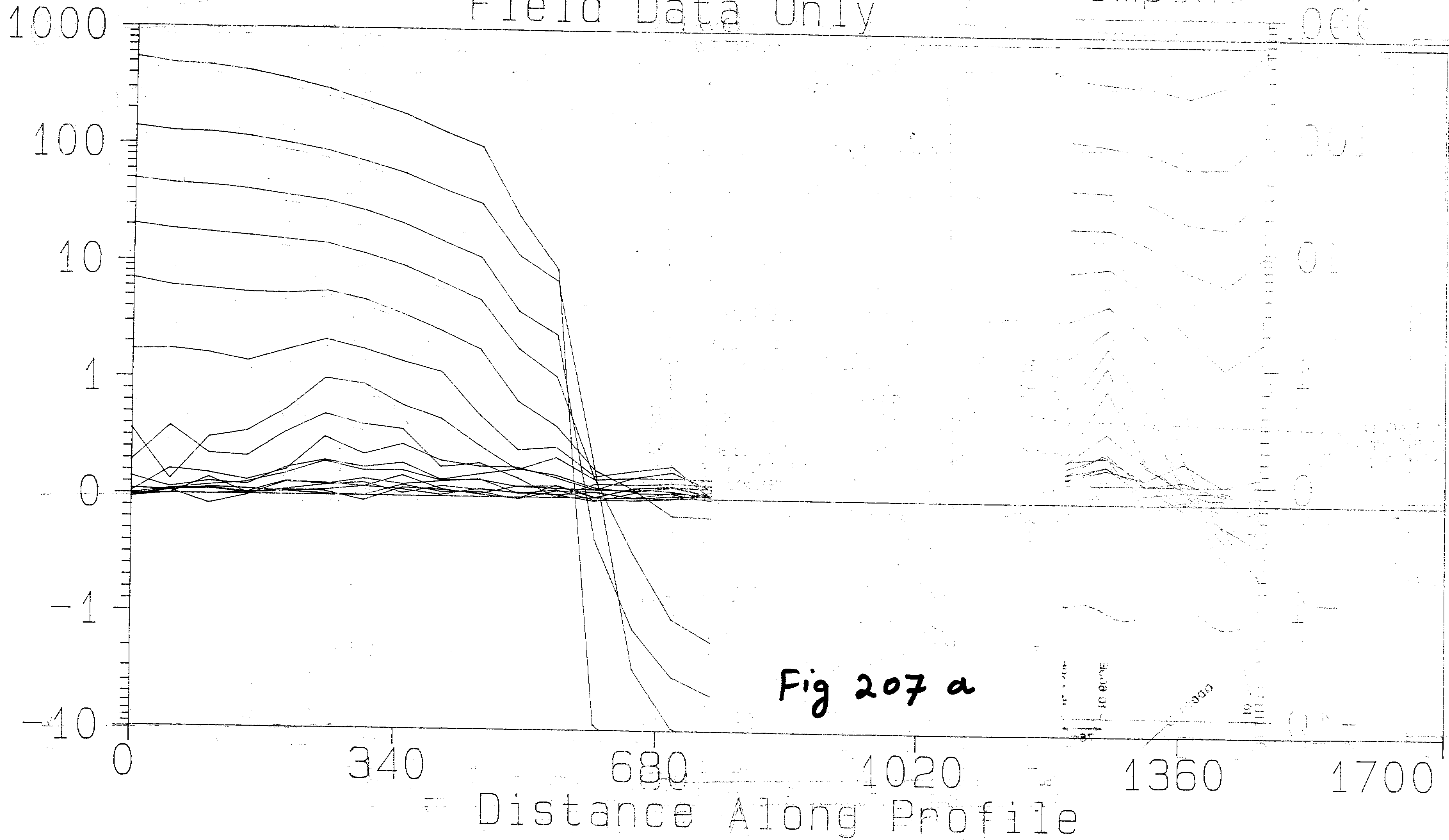


Fig 207 a

CR 90/248 AH

TEM Response Profile

MT TODD, REGATTA, 40200N, SIROTEM ST, LOOP16
Fixed Loop TX, Roving Surface RX - Z Component
Field Data Only

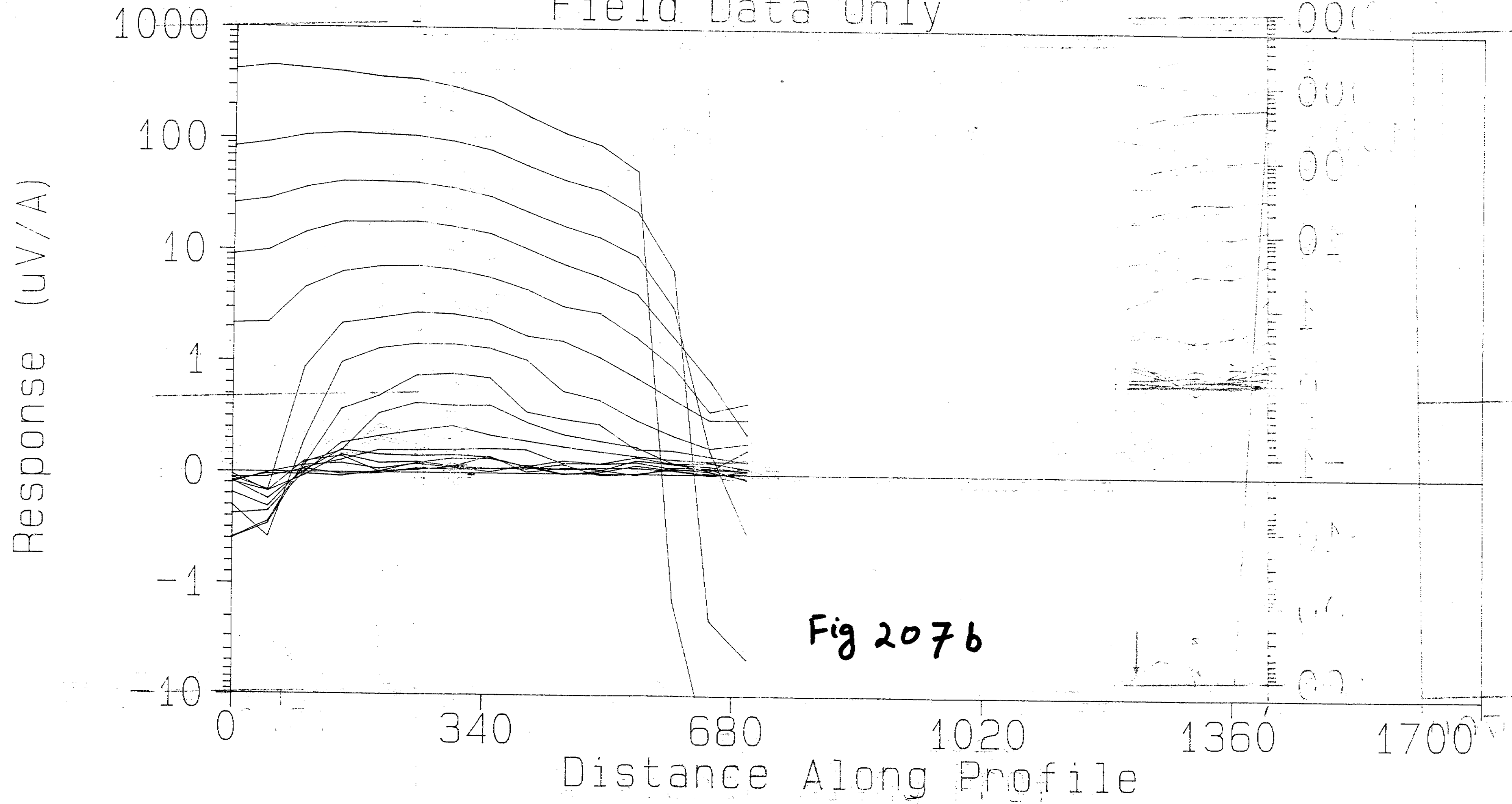


Fig 207b

TEM Response Profile

MT TODD, REGATTA, 40400N, SIROTEM ST, LOOP 16M
Fixed Loop TX, Roving Surface RX - Z Component
Field Data Only

Response (uV/A)

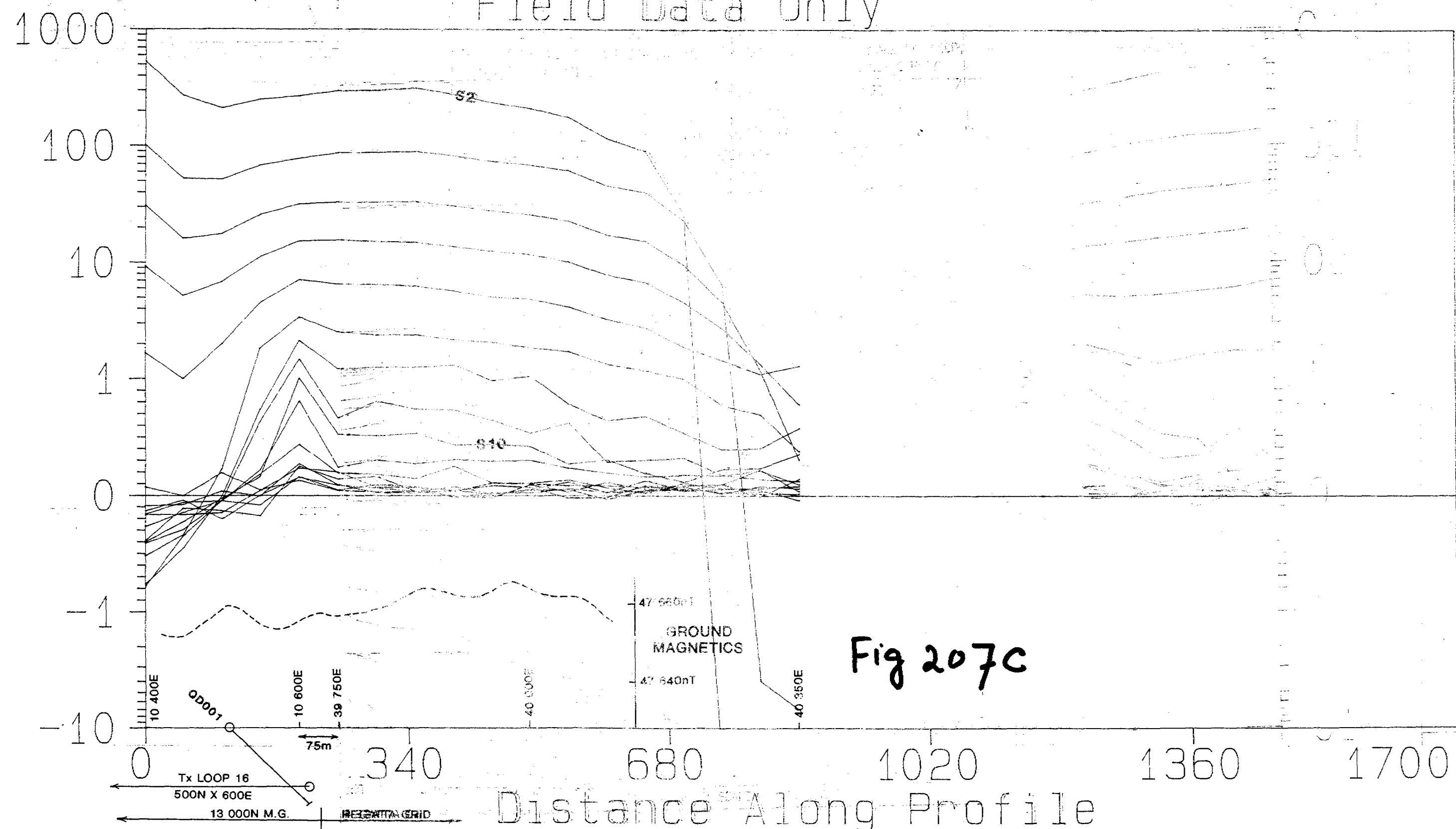
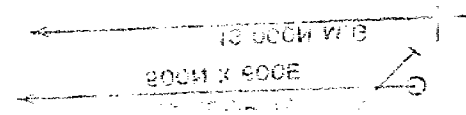
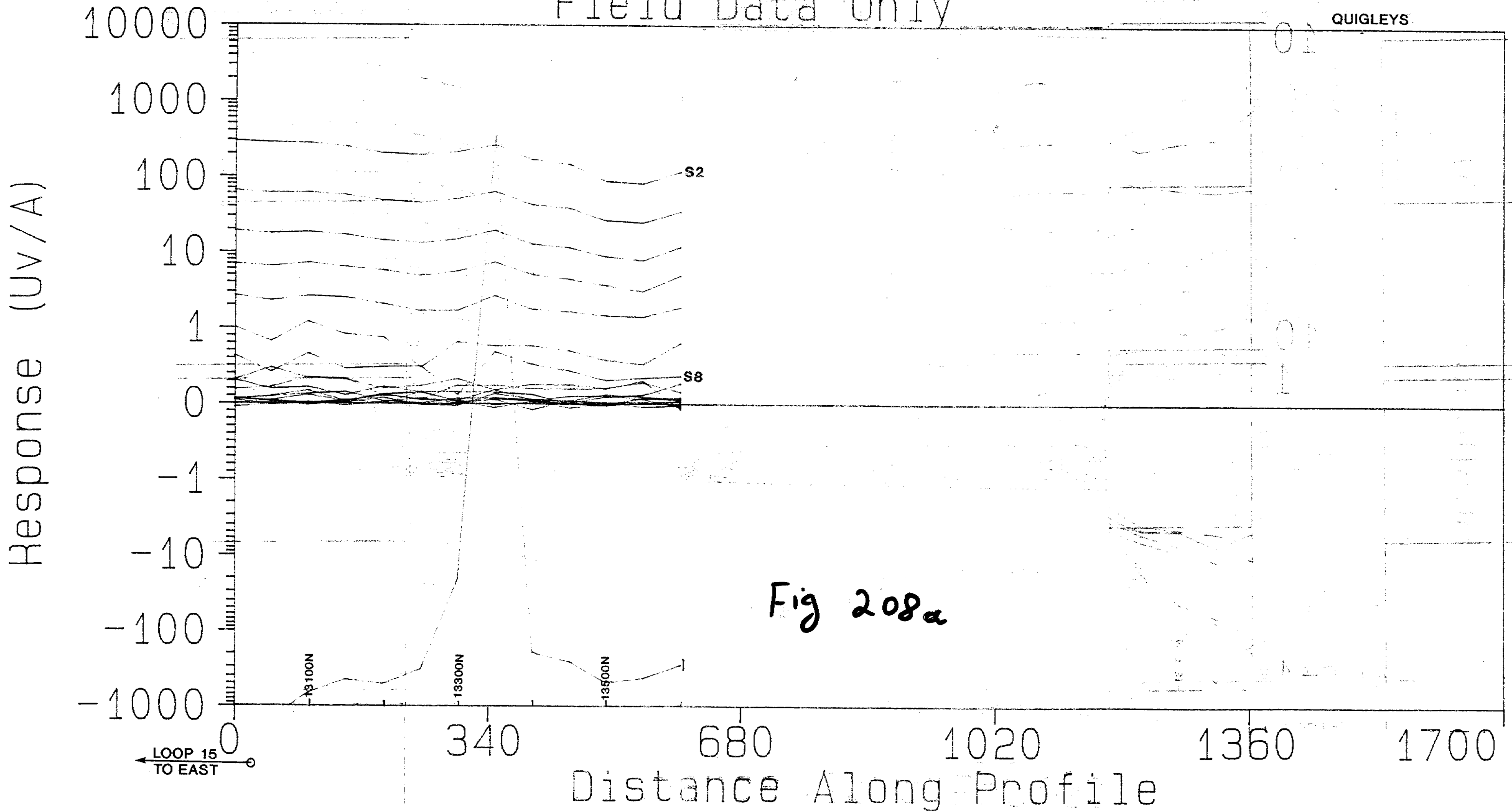


Fig 207C



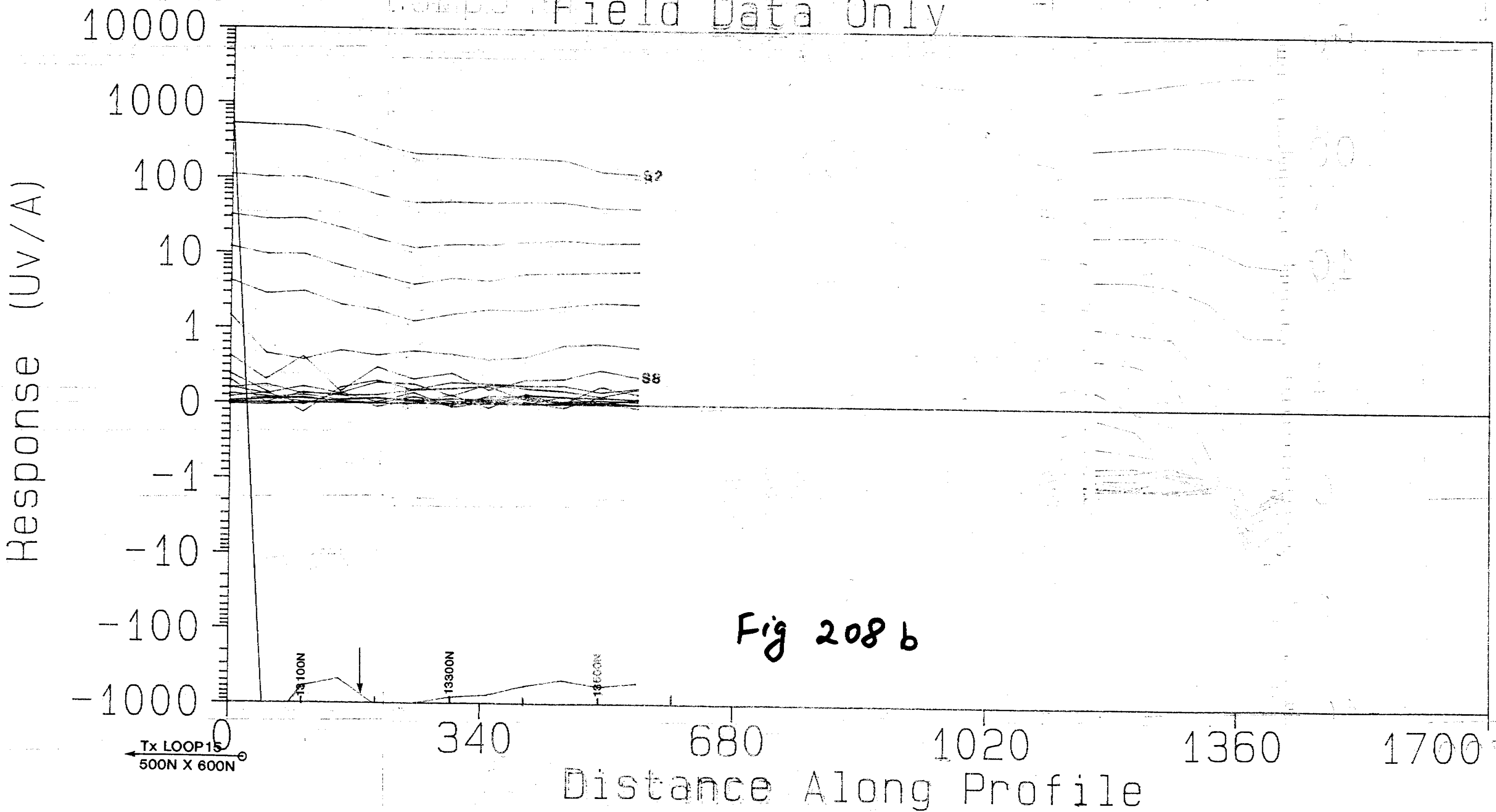
CR99098 AH

TEM Response Profile
Line=10500E Maskimming Sirote
Fixed Loop TX, Roving Surface RX - Z Component
Field Data Only

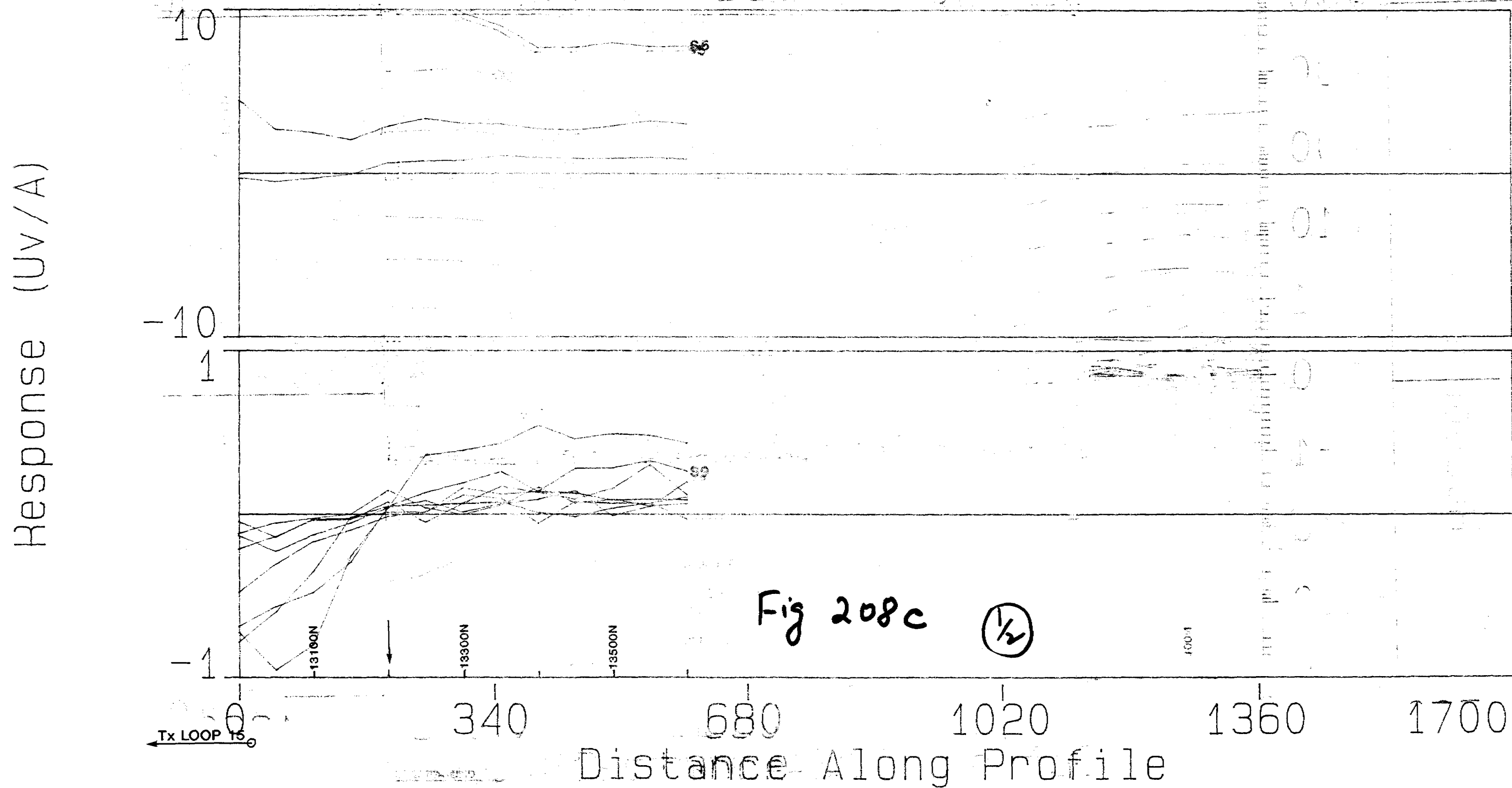


CR90/348AH

TEM Response Profile
Line=10700E QUIGLEYS Sirotek STOT TX
Fixed Loop TX, Moving Surface RX - Z Component
Field Data Only



TEM Response Profile
 Line=10900E QUIGLEYS SiroteMI ST
 Fixed Loop TX, Roving Surface RX - Z0 Component
 Field Data Only



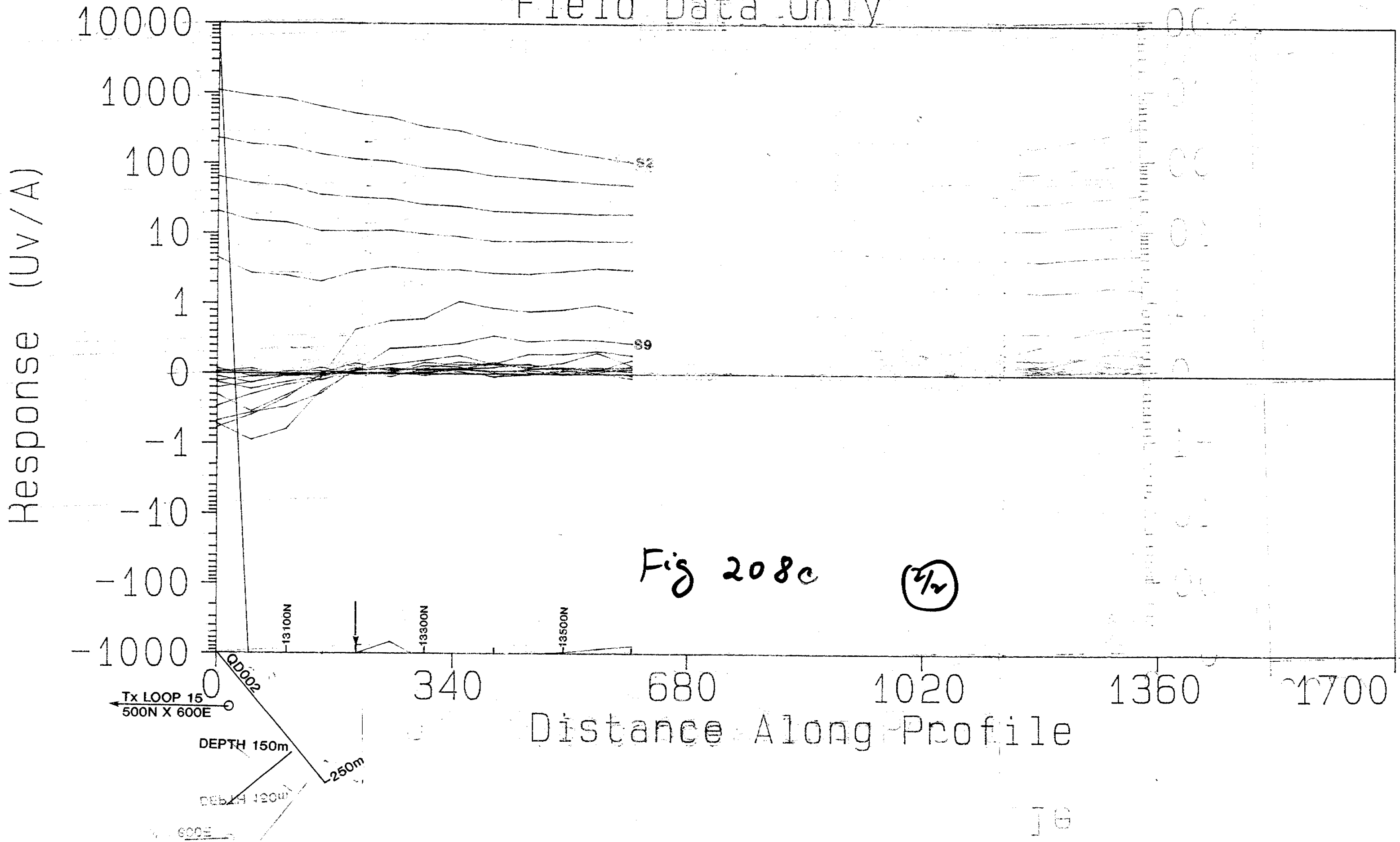
CR90/348 AH

TEM Response Profile

Line=10900E QUIGLEYS SiroteM ST

Fixed Loop TX, Roving Surface RX - ZcComponent

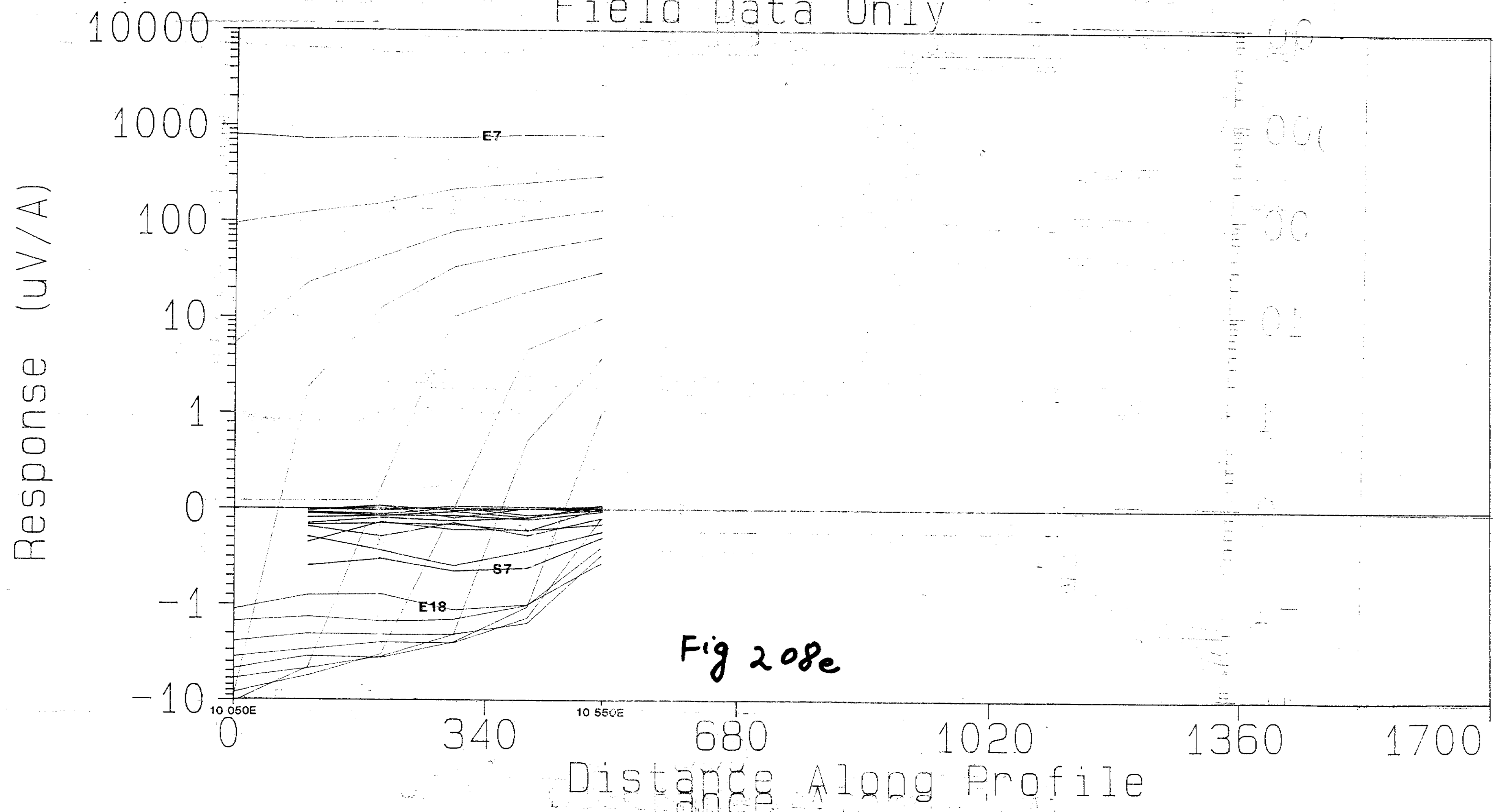
Field Data Only



CR 90/348AH

TEM Response Profile

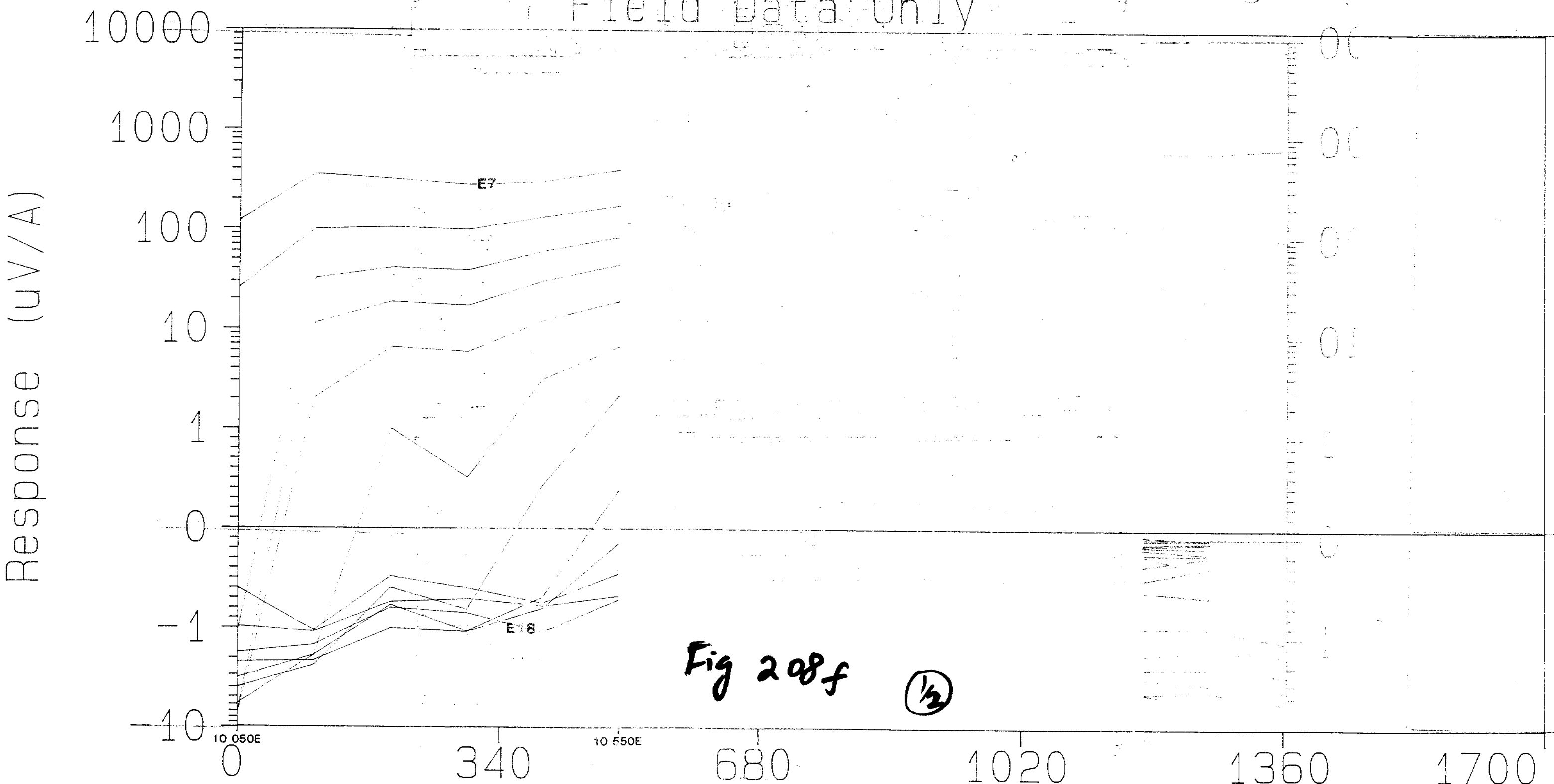
MT TODD, QUIGLEYS, 13200N, SIROTEM ST, 200M IN LOOP
Moving Loop TX, In Loop Dipole RX - Z Component
Field Data Only



CR90/3784H

TEM Response Profile

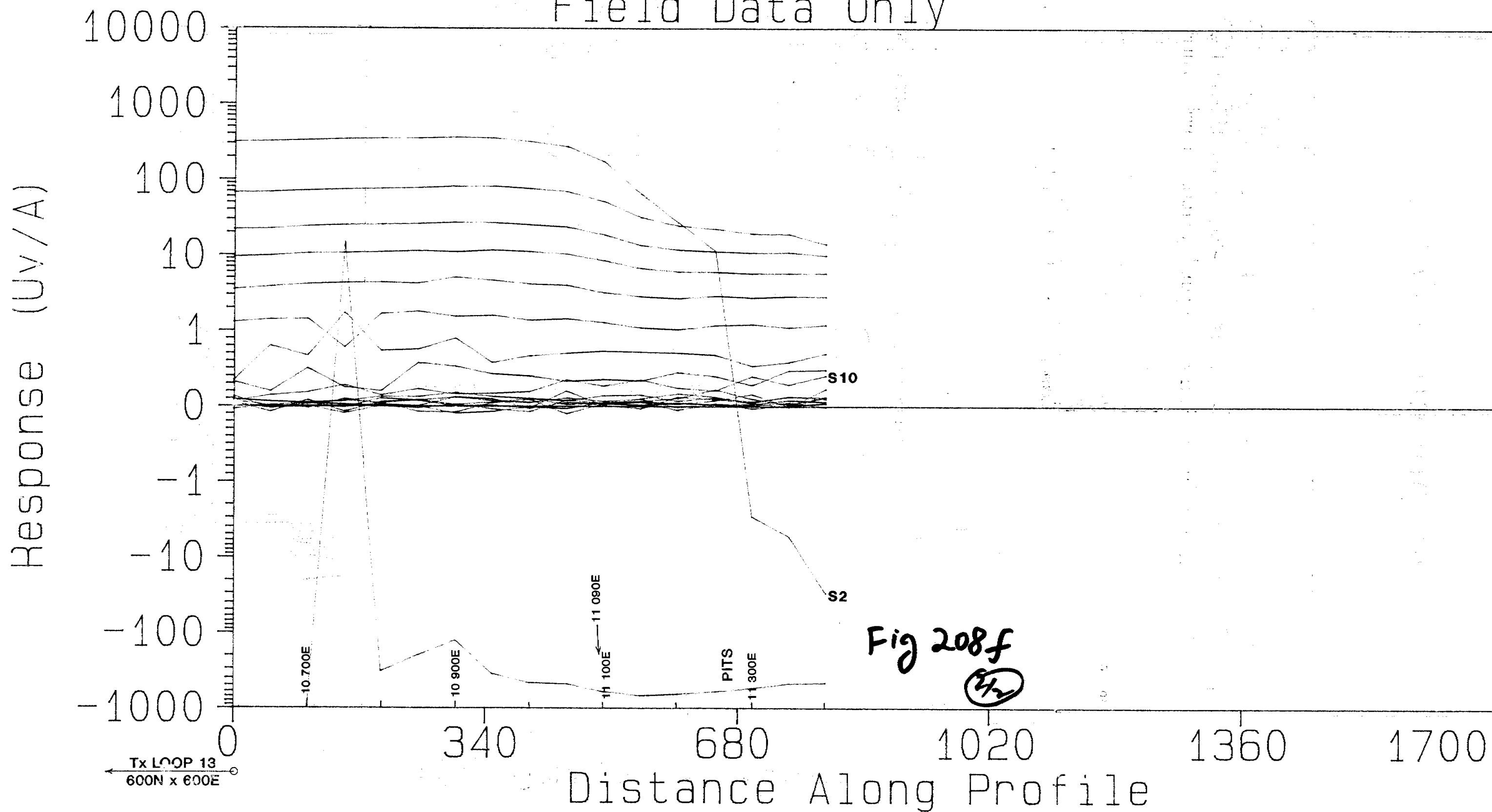
MTO J10DD, QUIGLEYS, 13400N, SIROTEM ET, 200M IN LOOP
Moving Loop TX, In Loop Dipole RX - Z₀ Component
Field Data Only



Distance Along Profile

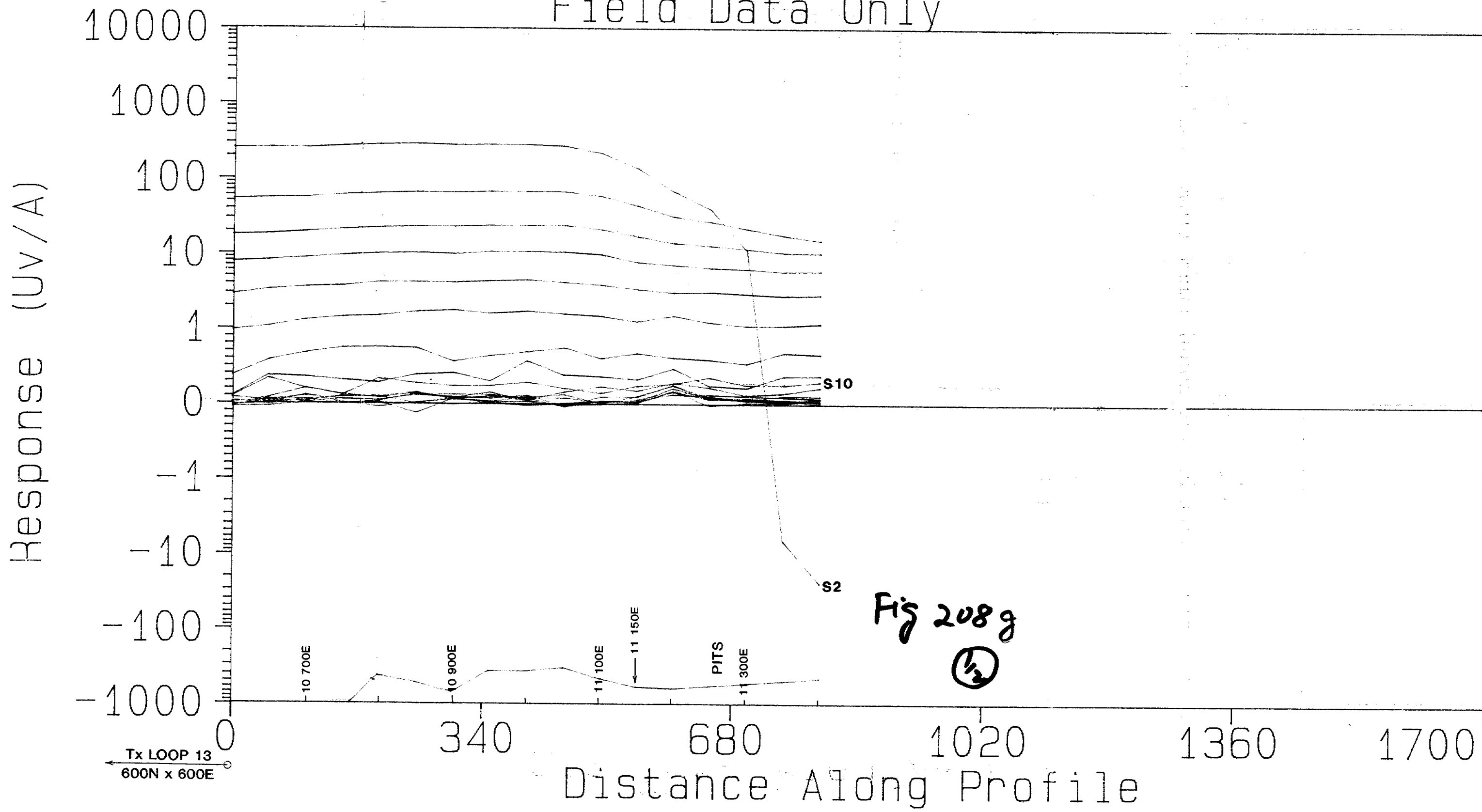
HA872/0683

TEM Response Profile
Line=13400N QUIGLEYS Sirotek ST
Fixed Loop TX, Roving Surface RX - Z Component
Field Data Only



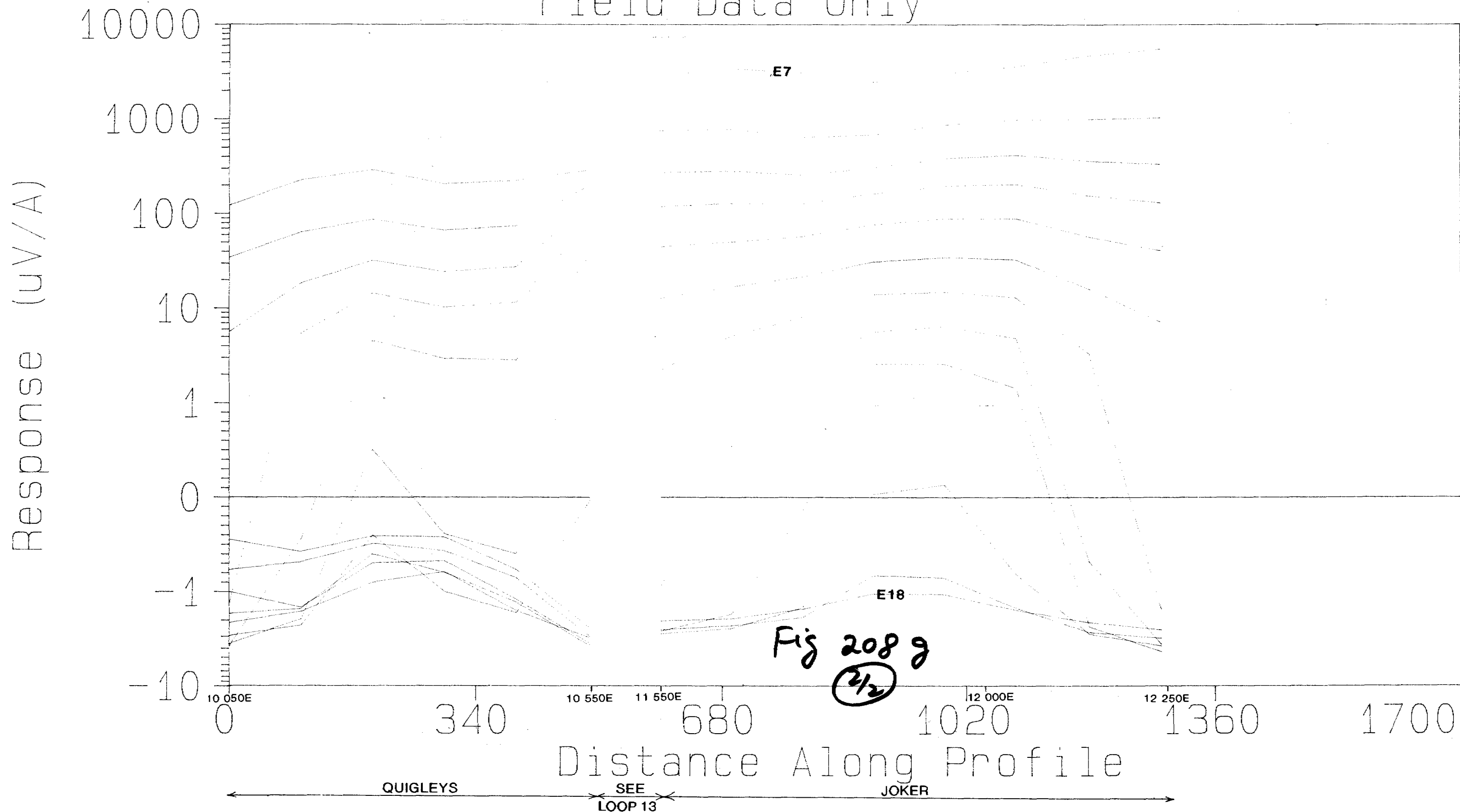
CR 90 B48AH

TEM Response Profile
Line=13600N QUIGLEYS SiroteM ST
Fixed Loop TX, Roving Surface RX - Z Component
Field Data Only

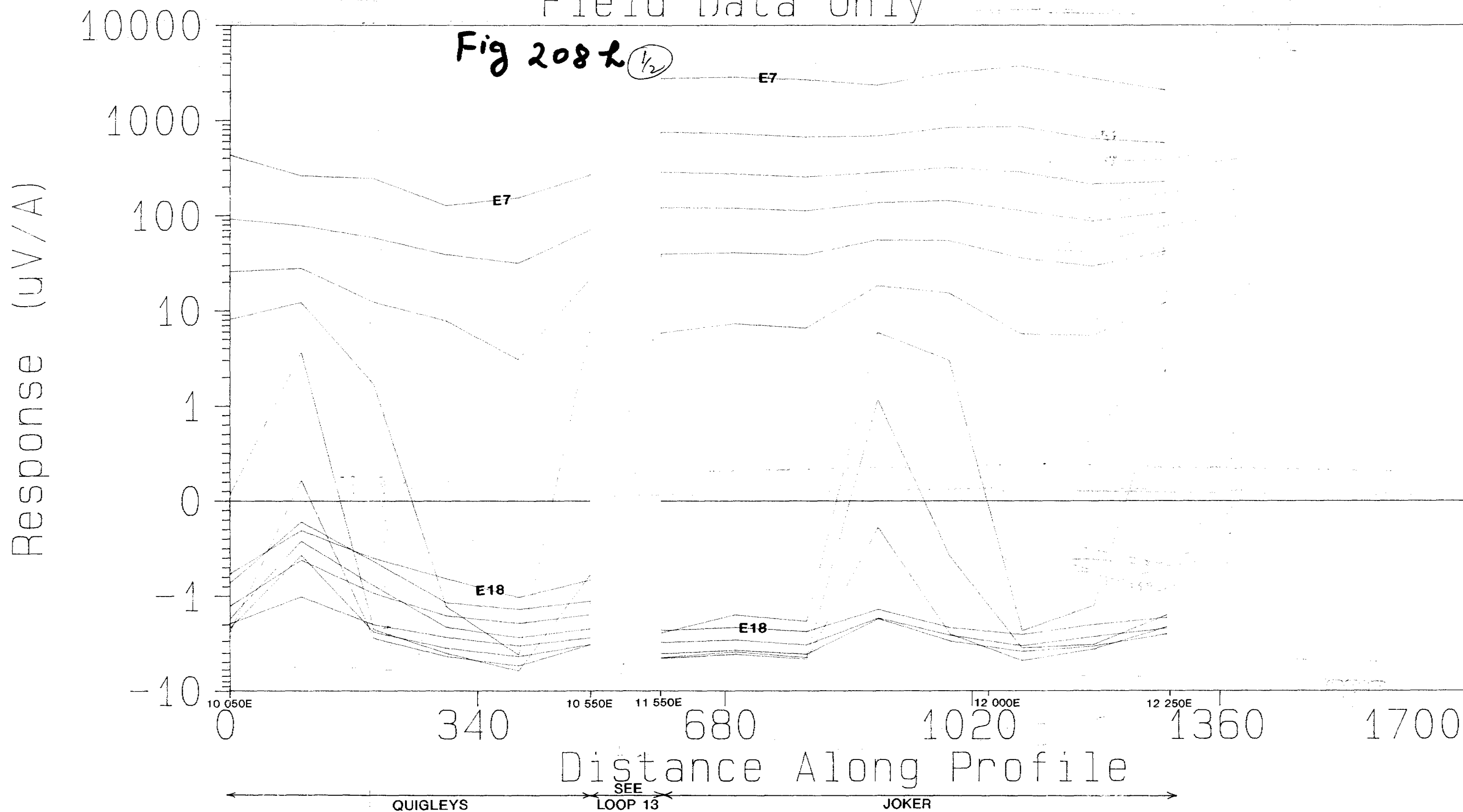


110312/0000

TEM Response Profile
MT TODD, QUIGLEYS, 13600N, SIROTEM ET, 200M INLOOP
Moving Loop TX, In Loop Dipole RX - Z Component
Field Data Only



TEM Response Profile
MT TODD, QUIGLEYS, 13800N, SIROTEM ET, 200M INLOOP
Moving Loop TX, In Loop Dipole RX - Z Component
Field Data Only



HA80/248AH

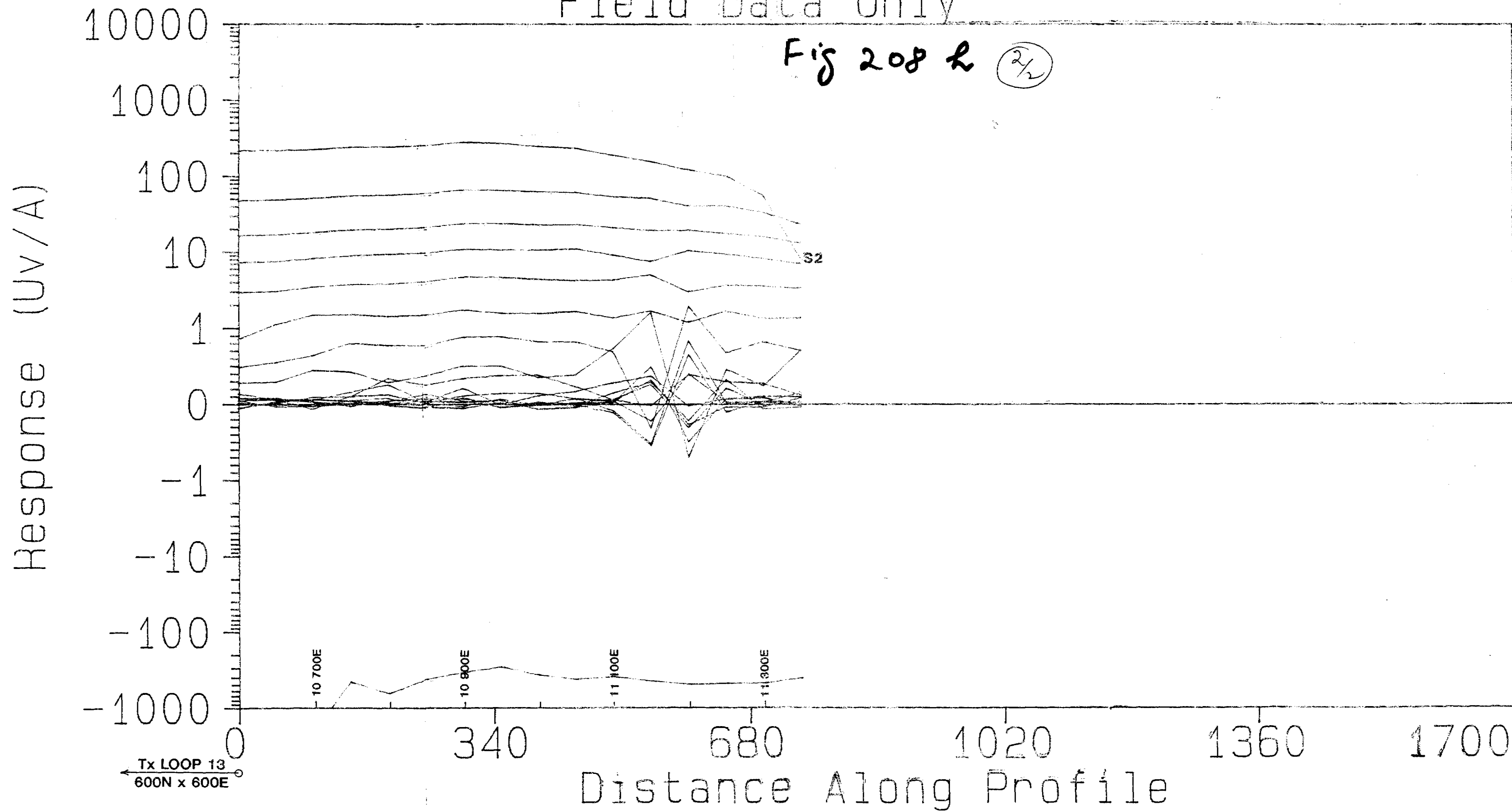
TEM Response Profile

Line=13800N QUIGLEYS SiroteM ST

Fixed Loop TX, Roving Surface RX - Z Component

Field Data Only

Fig 208 R (2/2)



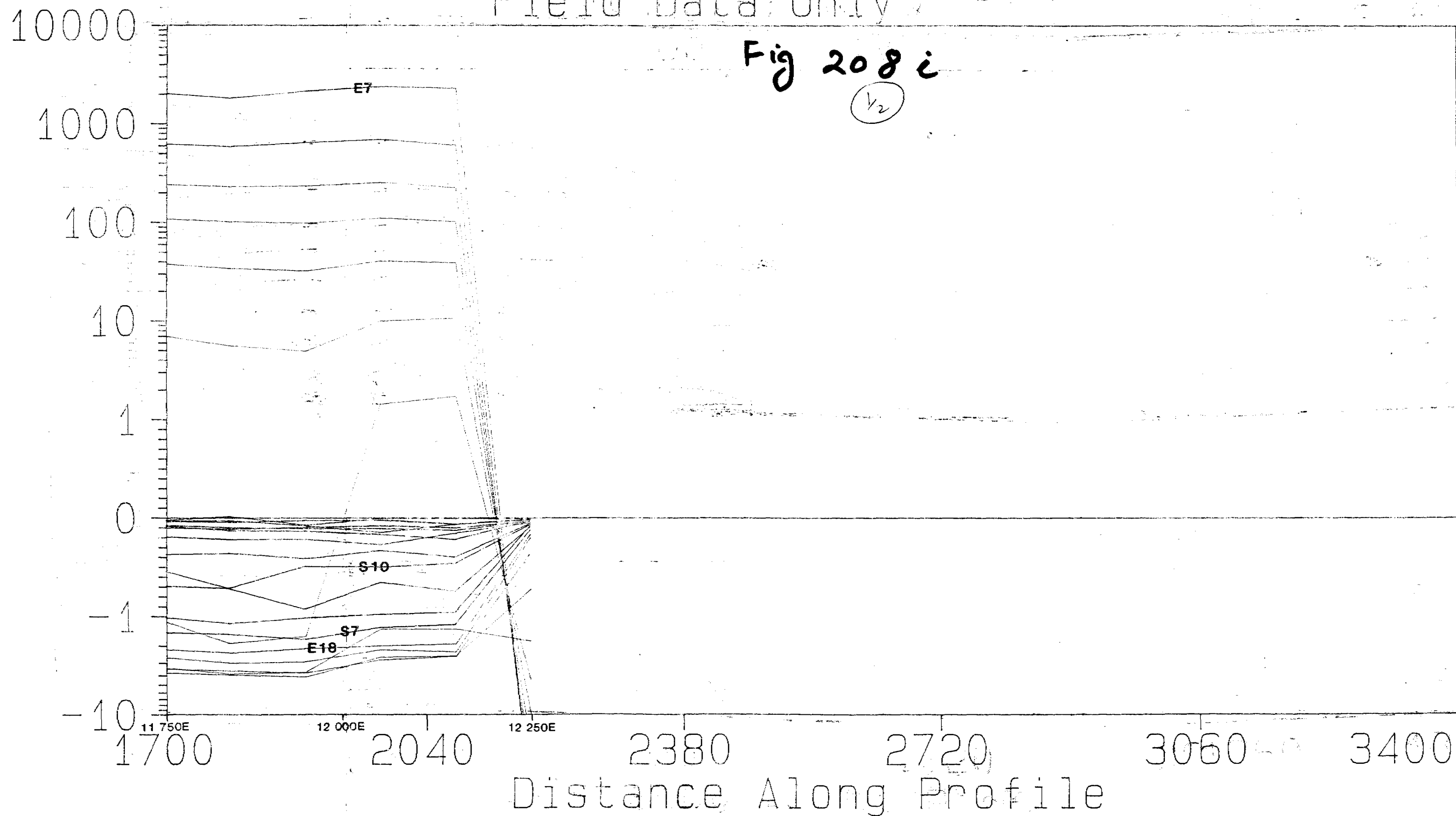
TEM Response Profile

MT TODD, QUITGLEYS NTH, 14000N, SIROTEM ST, 200M INLOOP

Moving Loop TX, In Loop Dipole RX - Z Component

Field Data Only

Fig 208c

 $\frac{1}{2}$ Response ($\mu\text{V}/\text{A}$)

Distance Along Profile

Distance Along Profile

Distance Along Profile

CR 90/348AH

TEM Response Profile

MT TODD, QUIGLEYS NTH, 14000N, SIROTEM ST, 200M INLOOP
Moving Loop TX, In Loop Dipole RX -- Z-Component
Field Data Only

