GEONICS EM 37 DATA

BOREHOLES MTS 7, 8 and 9

MT. SICKER

JUNE, 1985

P L O T E M

06-JUL-85

DRILL HOLE:
MTS7

LOG NUMBER:
1

ECX454 FALCONBRIDGE COPPER - EXPLORATION PULSE EM 06-JUL-85

DRILL HOLE MTS7 LOG 1

PROJECT MT SICKER
DRILL HOLE MTS7
PULSE EM LOG 01
DATE LOGGED: 19/06/85
DDH COORDS: -------- N -------- E -------- ELEVATION
TX LOOP NE: 4+25N , 3+00E
CORNER NW: 4+25N , 1+00W
COORD: SW: 0+70S , 1+00W
SE: 0+70S , 3+00E
LOG UNITS: METERS
ZERO TIME: ------

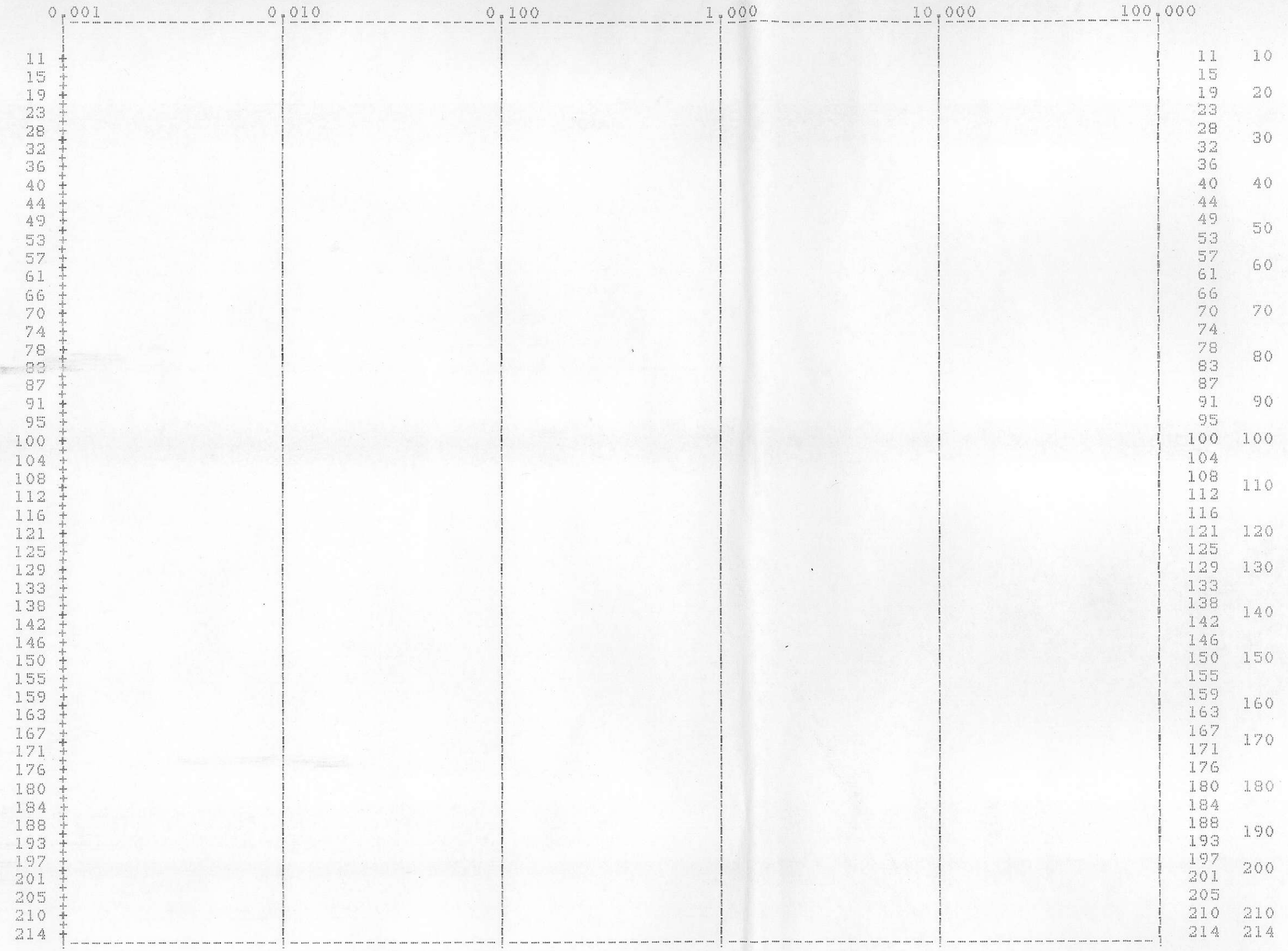
	FROM	TO	
P.P. GAIN: 380	0	250	(REPEAT AS NECESSARY)
SET P.P. POSITIVE SW:	RIGHT		

LINEAR INTERPOLATION

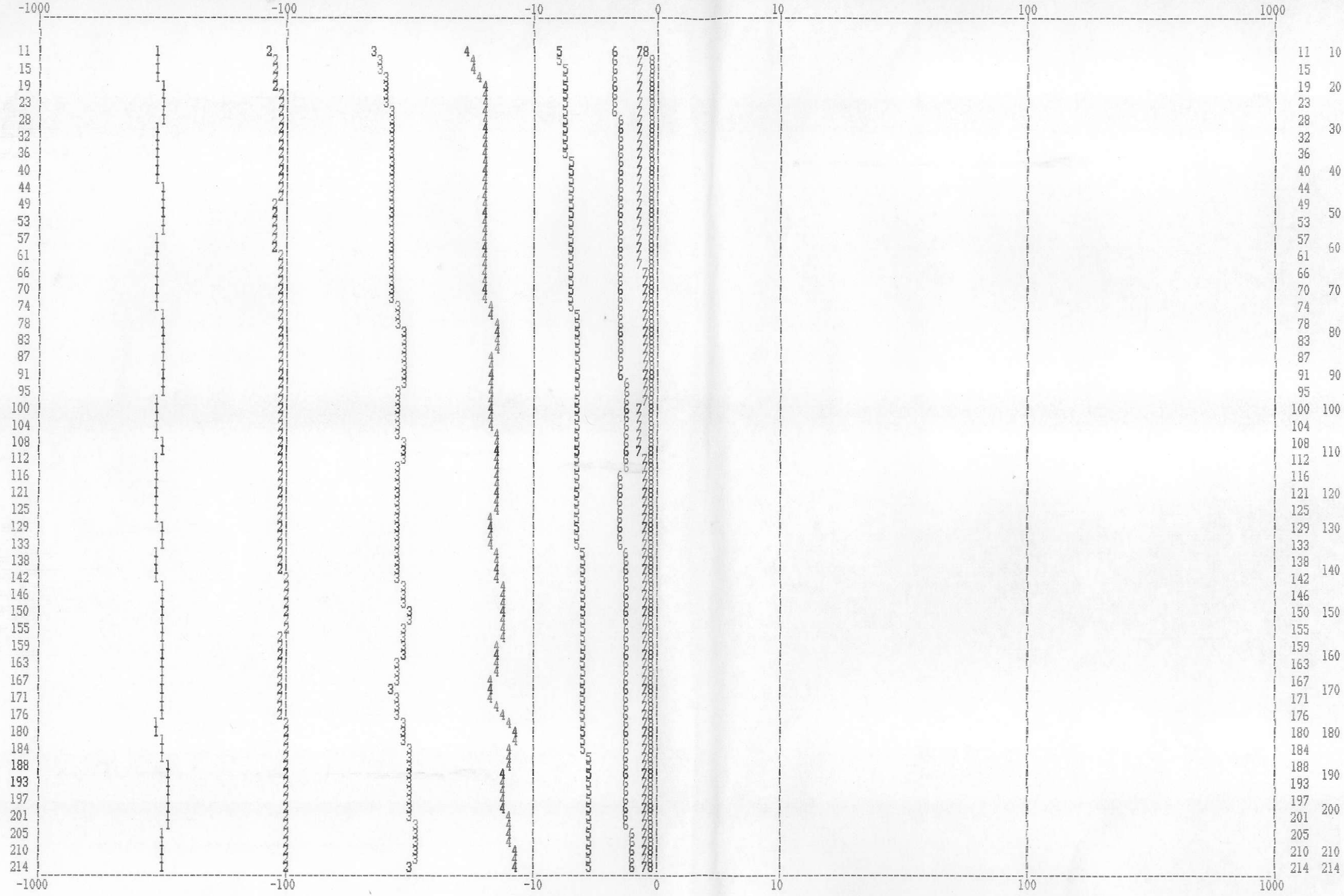
VERTICAL SCALE 1: 1000

PLOT DEPTH UNITS M

DRILL HOLE MTS7 LOG 1



END OF REPORT PRIMARY PULSE PLOT MTS7 LOG NUMBER: 1 06-JUL-85



END OF REPORT PULSE EM PLOT MIS7 LOG NUMBER: 1 06-JUL-85

P L O T E M

06-JUL-85

DRILL HOLE:
MTS 8

LOG NUMBER:
--1

FCX454 FALCONBRIDGE COPPER - EXPLORATION PULSE EM 06-JUL-85

DRILL HOLE MTS LOG -1

PROJECT 304------
DRILL HOLE MTS 8---
PULSE EM LOG 1--
DATE LOGGED: 19/06/85 (DA/MO/YR)
DDH COORDS: -------- N -------- E -------- ELEVATION
TX LOOP NE: 4+25N , 3+00E
CORNER NW: 4+25N , 1+00W
COORD: SW: 0+70S , 1+00W
SE: 0+70S , 3+00E- E
LOG UNITS: METERS
ZERO TIME: ------

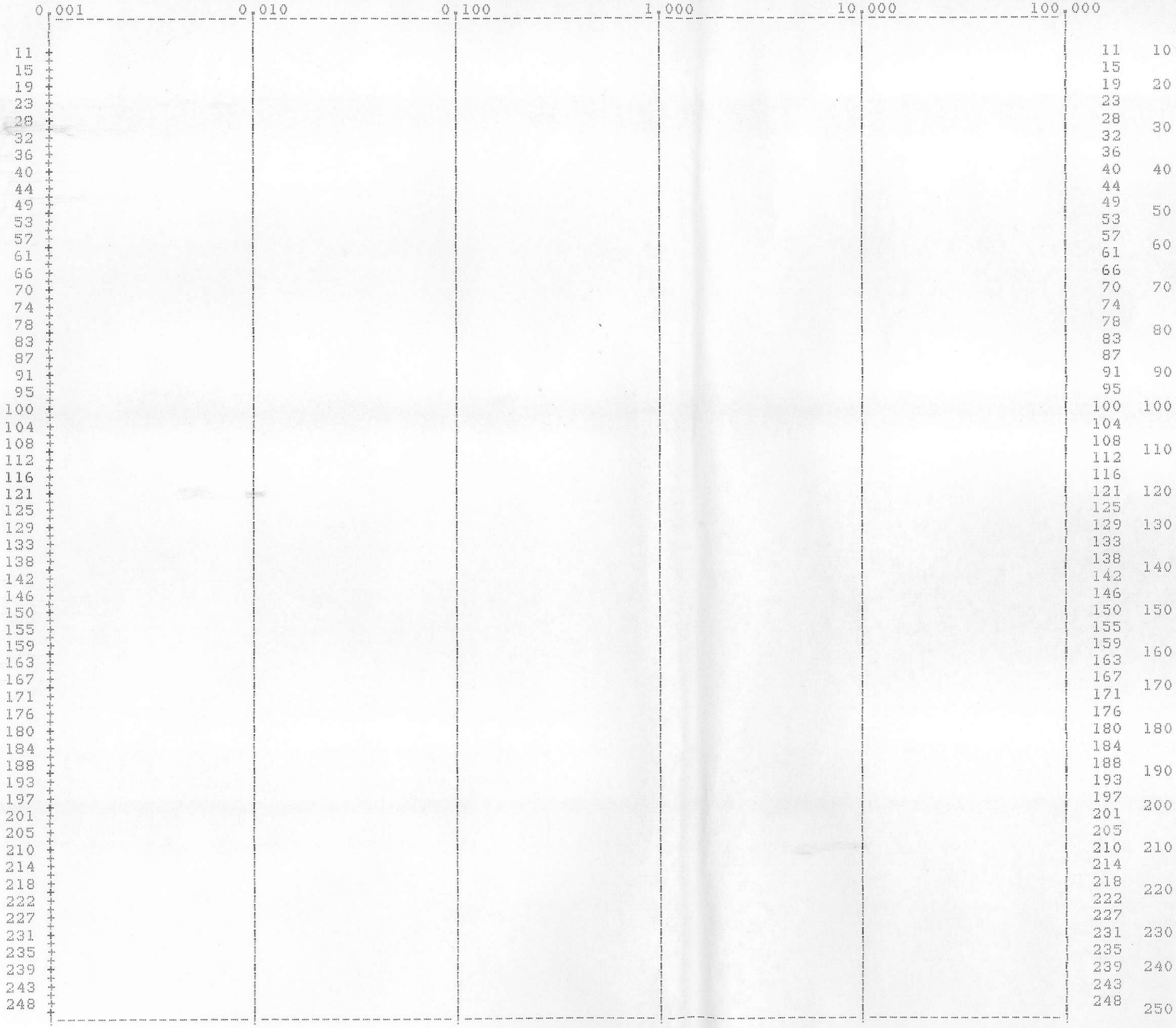
		FROM	TO
P.P. GAIN:	380	0	250
SET P.P. POSITIVE SW:		RIGHT	

LINEAR INTERPOLATION

VERTICAL SCALE 1: 1000

PLOT DEPTH UNITS M

DRILL HOLE MTS LOG -1


0.001
0.010
0.100
1.000
10.000
100.000
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53
57
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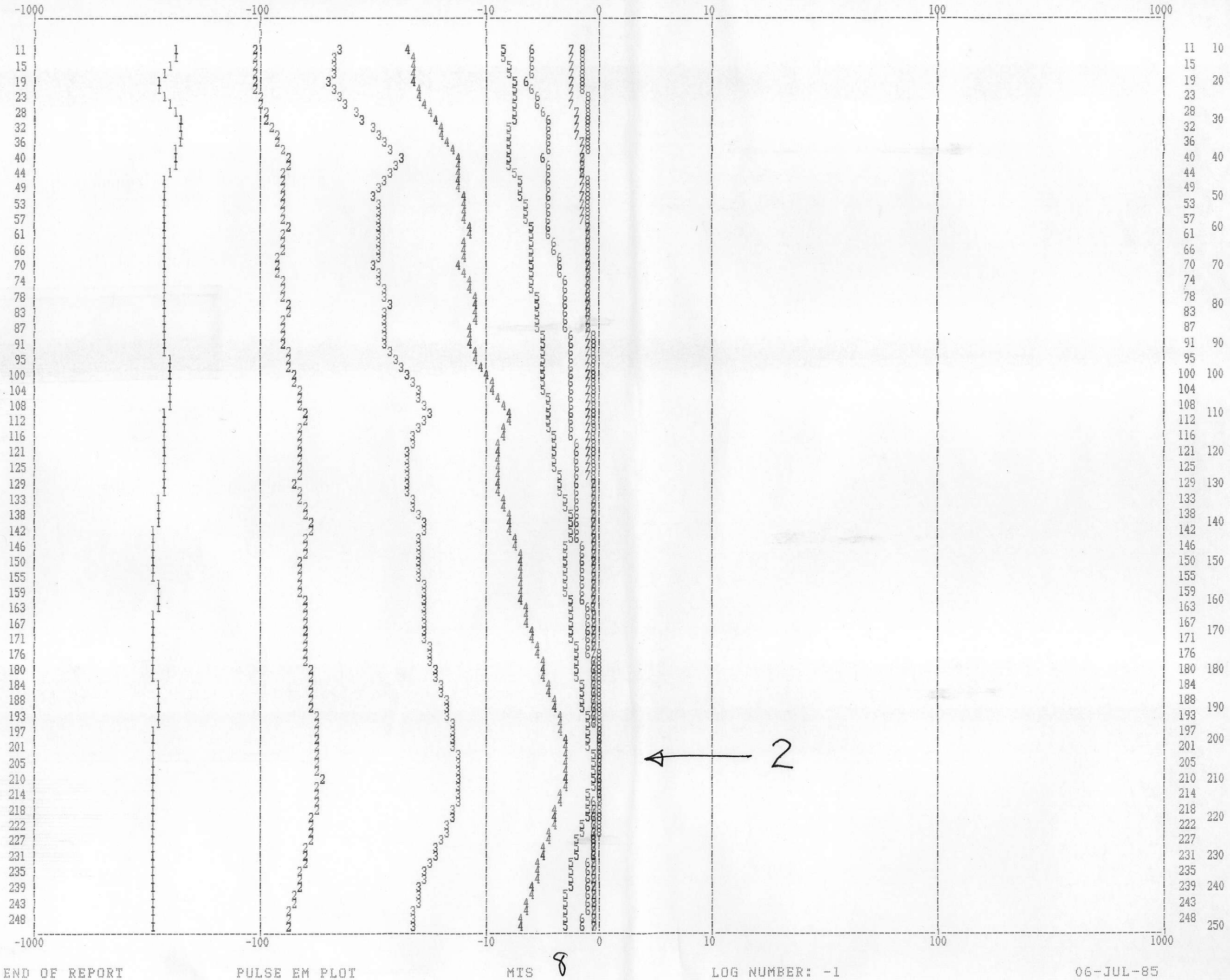
11 10
19 20
28 30
36 40
44 49 50
53 57 60
61 66 70
74 78 80
83 87 91
95 100 100
104 108 110
112 116 121 120
125 129 130
133 138 140
142 146 150 150
155 159 160
163 167 170
171 176 180 180
184 188 190
193 197 200
201 205 210 210
214 218 220
222 227 231 230
235 239 240
243 248 250



END OF REPORT PULSE EM PLOT MTS 8 LOG NUMBER: -1 06-JUL-85

P L O T E M

06-JUL-85

DRILL HOLE: MIS 9

LOG NUMBER: 1

ECX454 FALCONBRIDGE COPPER - EXPLORATION PULSE EM 06-JUL-85

DRILL HOLE MIS LOG 1

DRILL HOLE MIS LOG 1

PROJECT 304
DRILL HOLE MIS 9
PULSE EM LOG 1
DATE LOGGED:19/06/85 (DA/MO/YR)

		N	E	ELEVATION
TX LOOP	NE:	4+25N	3+00E	
CORNER	NW:	4+25N	1+00W	
COORD:	SW:	0+70S	1+00W	
	SE:	0+70S	3+00E	

LOG UNITS: METERS
ZERO TIME:

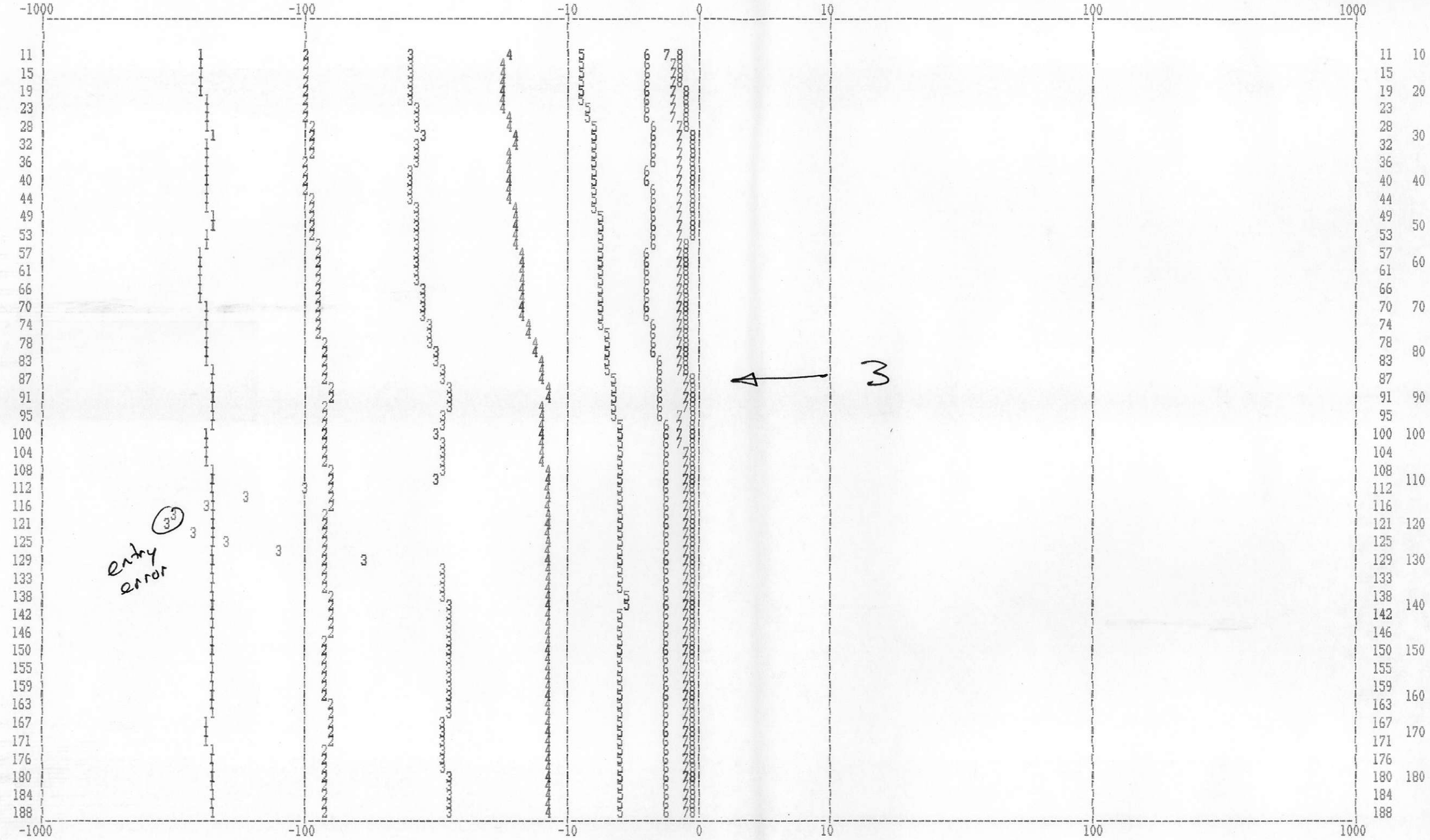
		FROM	TO
P.P. GAIN:	380	0	300
SET P.P. POSITIVE SW:		RIGHT	

LINEAR INTERPOLATION

VERTICAL SCALE 1: 1000

PLOT DEPTH UNITS M

END OF REPORT PRIMARY PULSE PLOT MTS 9 LOG NUMBER: 1 06-JUL-85



END OF REPORT PULSE EM PLOT MTS 9 LOG NUMBER: 1 06-JUL-85

P L O T E M

06-JUL-85

DRILL HOLE: MTS 7

LOG NUMBER: 2

FCX454 FALCONBRIDGE COPPER - EXPLORATION PULSE EM 06-JUL-85

DRILL HOLE MTS LOG 2

DRILL HOLE MTS LOG 2

PROJECT 304
DRILL HOLE MTS 7
PULSE EM LOG 2
DATE LOGGED: 20/06/85 (DA/MO/YR)

		N	E	ELEVATION
TX LOOP	NE:	9+25N	3+00E	
CORNER	NW:	9+25N	1+00W	
COORD:	SW:	4+25N	1+00W	
	SE:	4+25N	3+00E	E

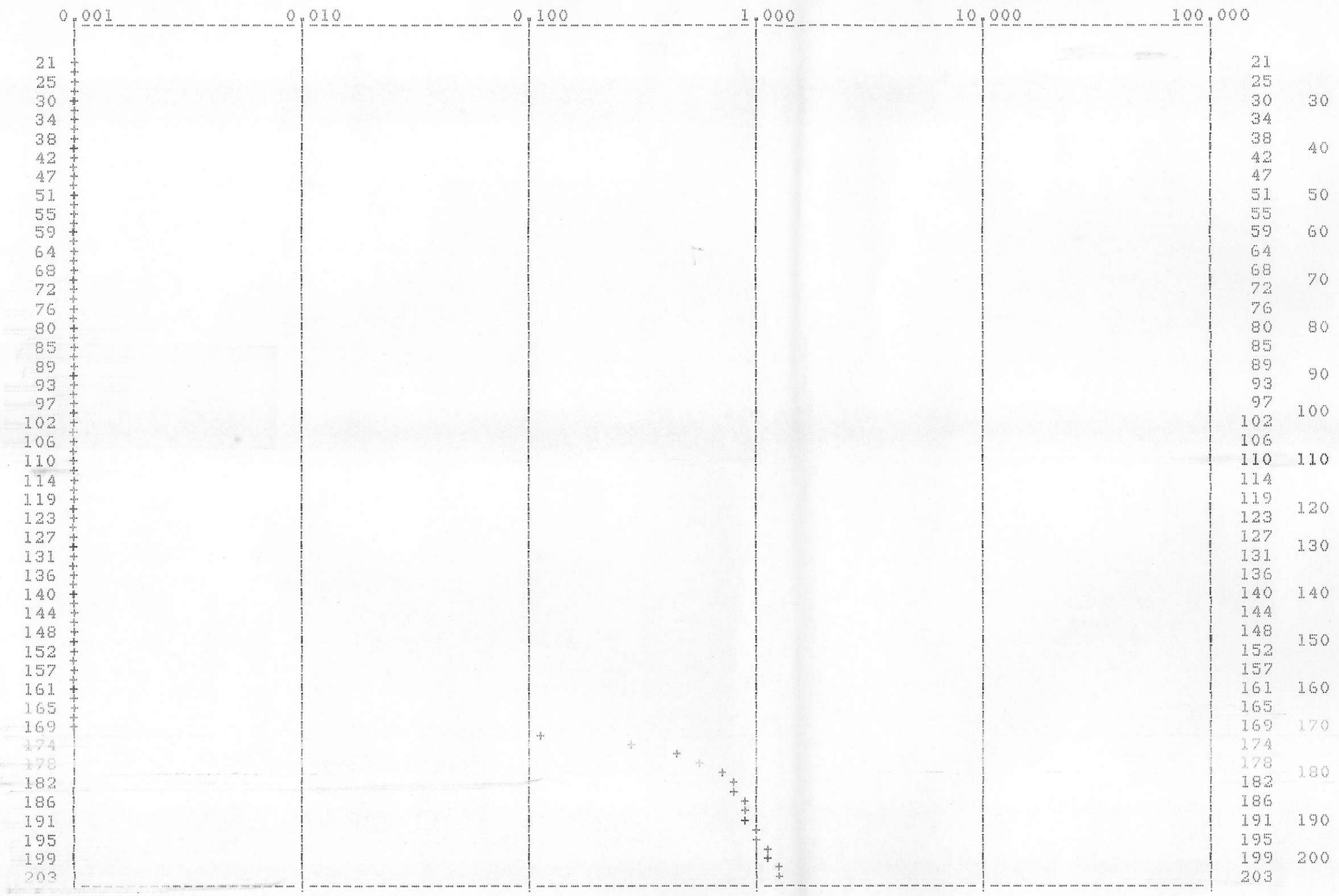
LOG UNITS: METERS
ZERO TIME:

		FROM	TO
P.P. GAIN:	378	0	250
SET P.P. POSITIVE SW:		RIGHT	

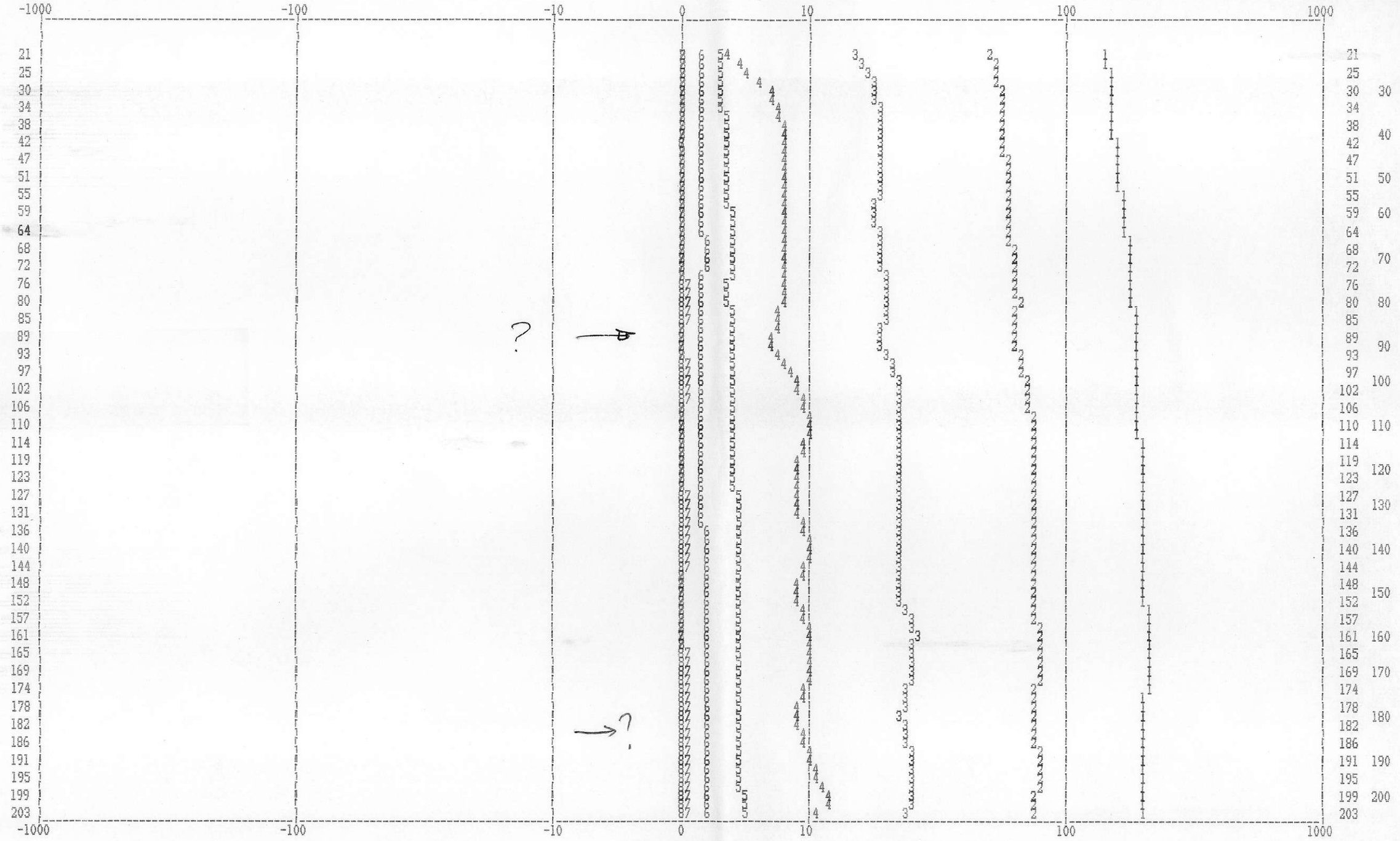
LINEAR INTERPOLATION

VERTICAL SCALE 1: 1000

PLOT DEPTH UNITS M



END OF REPORT PRIMARY PULSE PLOT MTS 7 LOG NUMBER: 2 06-JUL-85



END OF REPORT PULSE EM PLOT MTS 7 LOG NUMBER: 2 06-JUL-85

P L O T E M

06-JUL-85

DRILL HOLE: MTS 8

LOG NUMBER: 2

FCX454 FALCONBRIDGE COPPER - EXPLORATION PULSE EM 06-JUL-85

DRILL HOLE MTS LOG 2

DRILL HOLE MTS LOG 2

PROJECT 304
DRILL HOLE MTS 8
PULSE EM LOG 2
DATE LOGGED: 20/06/85 (DA/MO/YR)

		N	E	ELEVATION
TX LOOP	NE:	9+25N	3+00E	
CORNER	NW:	9+25N	1+00W	
COORD:	SW:	4+25N	1+00W	
	SE:	4+25N	3+00E E	

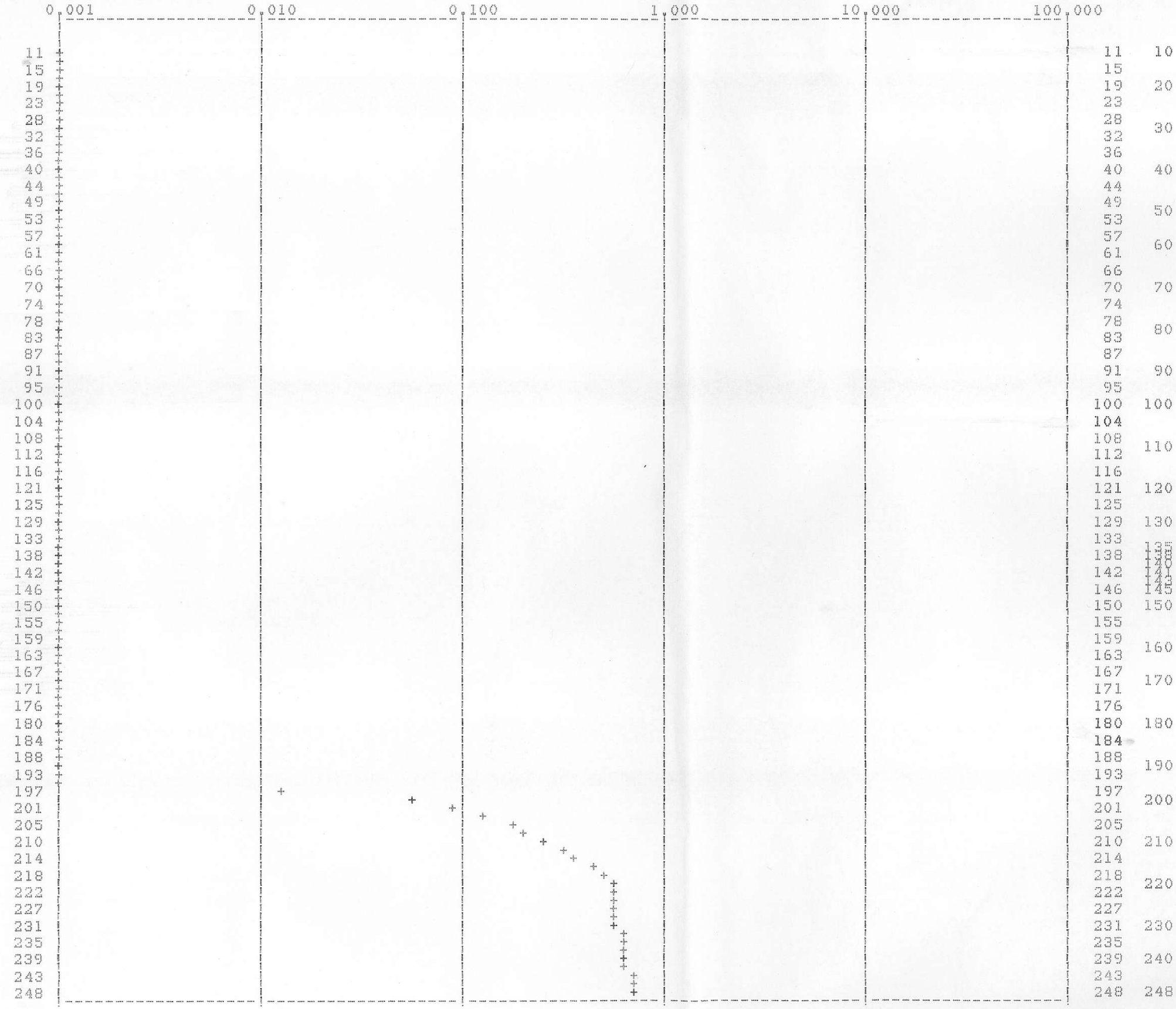
LOG UNITS: METERS
ZERO TIME:

		FROM	TO
P.P. GAIN:	378	0	300
SET P.P. POSITIVE SW:		RIGHT	

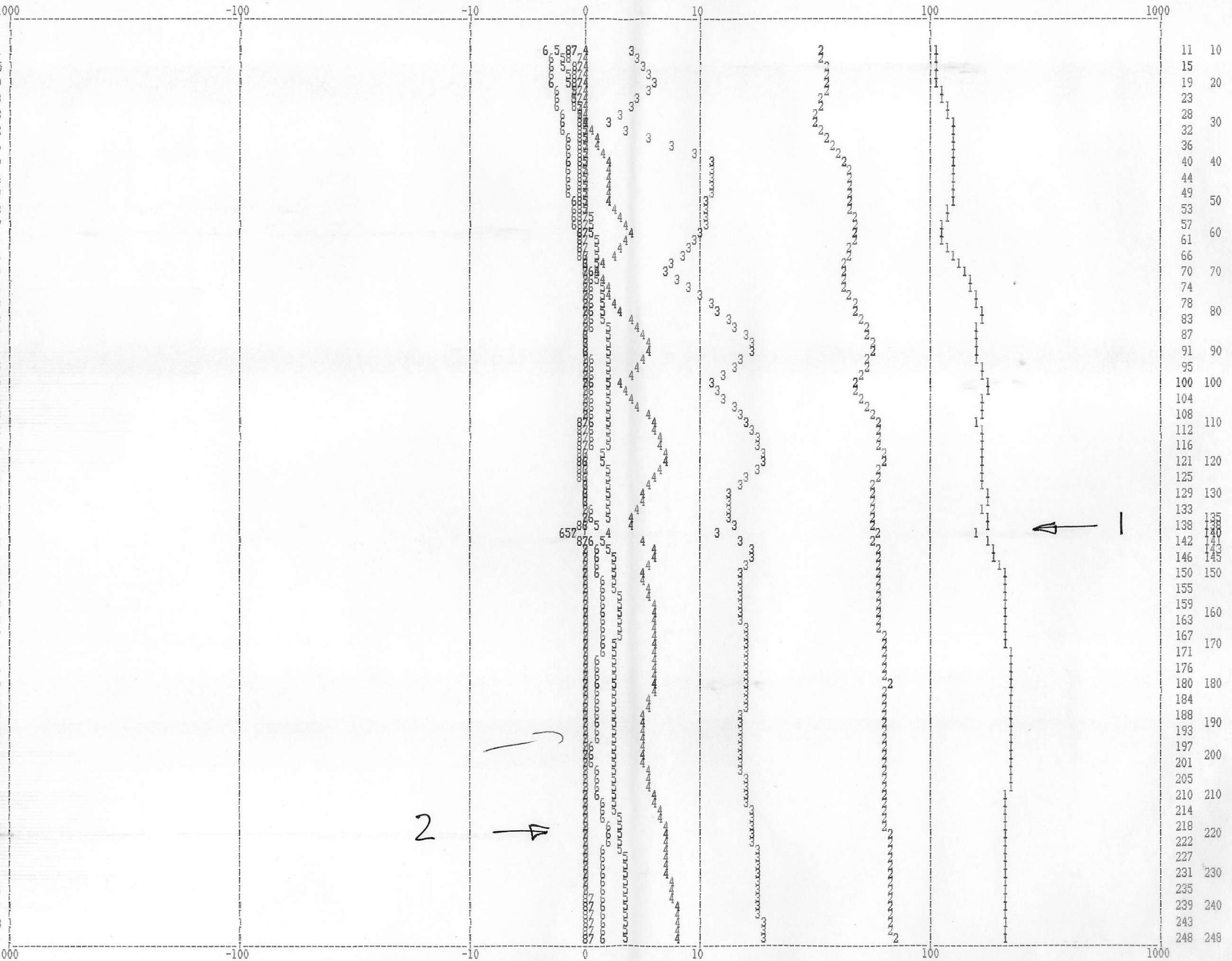
LINEAR INTERPOLATION

VERTICAL SCALE 1: 1000

PLOT DEPTH UNITS M



END OF REPORT PRIMARY PULSE PLOT MTS 9 LOG NUMBER: 2 06-JUL-85



END OF REPORT PULSE EM PLOT MTS 8 LOG NUMBER: 2 06-JUL-85

P L O T E M

06-JUL-85

DRILL HOLE:
MTS 9

LOG NUMBER:
2

FCX454 FALCONBRIDGE COPPER - EXPLORATION PULSE EM 06-JUL-85

DRILL HOLE MTS LOG 2

DRILL HOLE MTS LOG 2

PROJECT 304
DRILL HOLE MTS 9
PULSE EM LOG 2
DATE LOGGED: 20/06/85 (DA/MO/YR)

DDH COORDS:		N	E	ELEVATION
TX LOOP	NE:	9+25N	3+00E	
CORNER	NW:	9+25N	1+00W	
COORD:	SW:	4+25N	1+00W	
	SE:	4+25N	3+00E	E

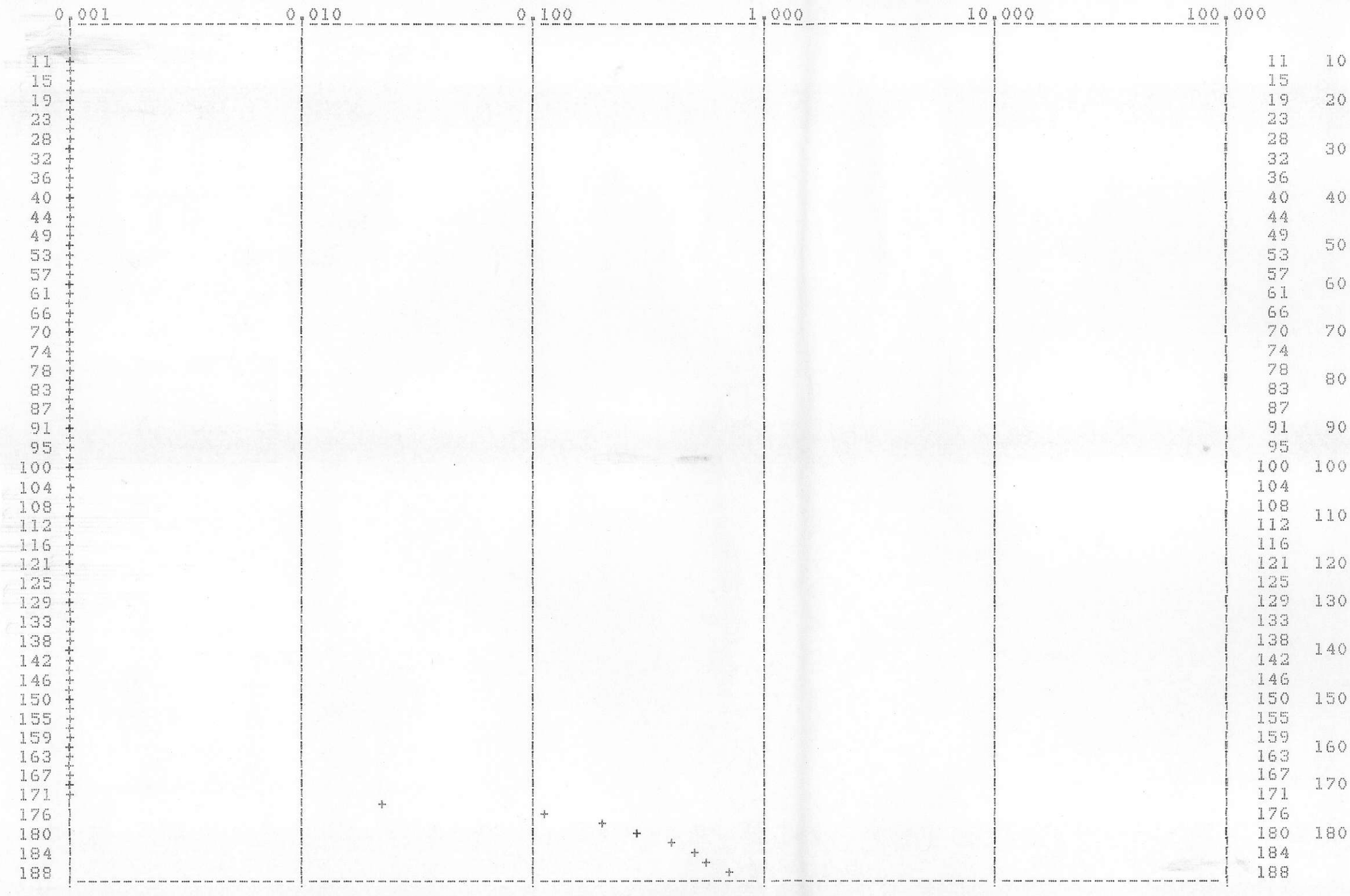
LOG UNITS: METERS
ZERO TIME:

	FROM	TO
P.P. GAIN: 378	0	300
SET P.P. POSITIVE SW:	RIGHT	

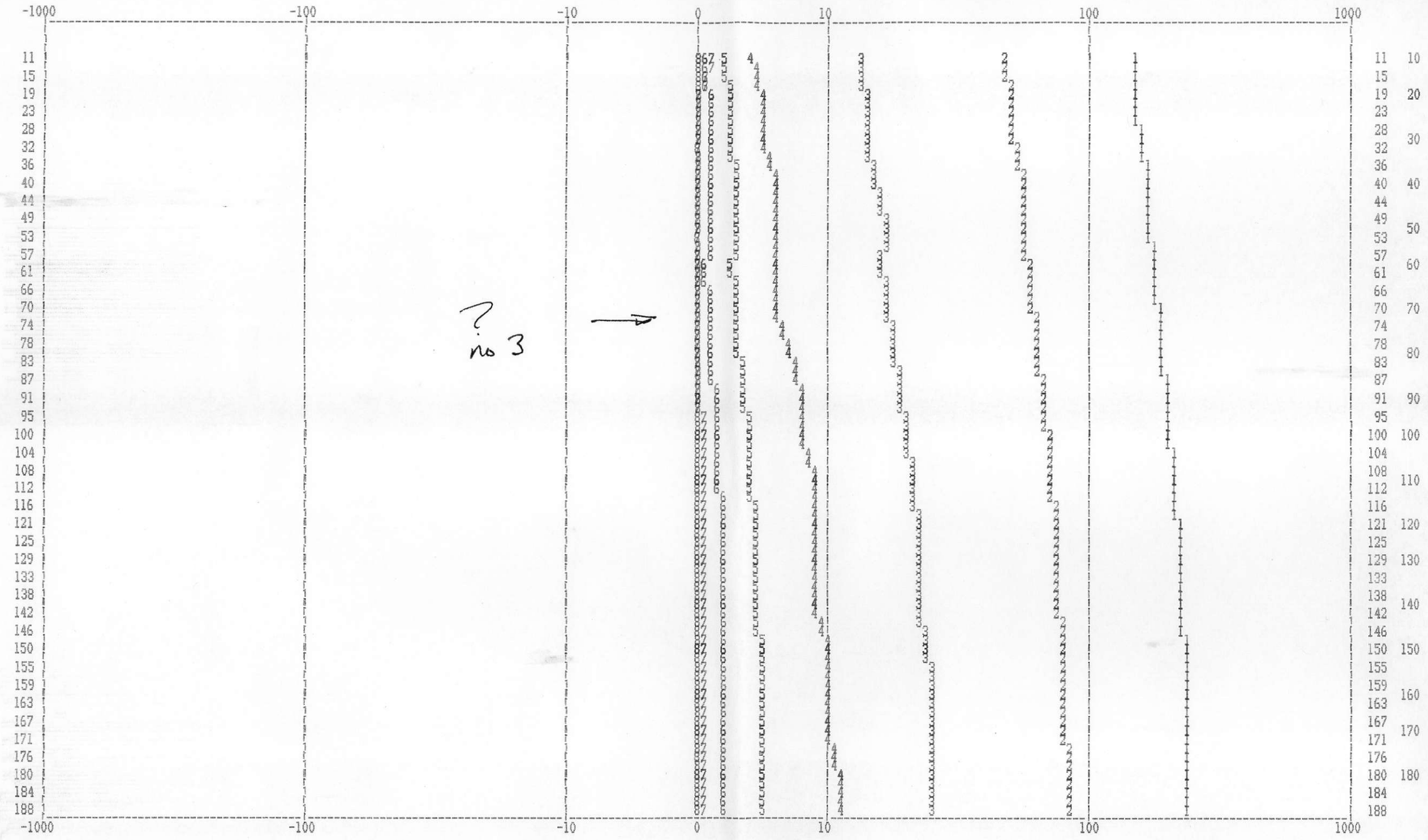
LINEAR INTERPOLATION

VERTICAL SCALE 1: 1000

PLOT DEPTH UNITS M



END OF REPORT PRIMARY PULSE PLOT MTS 9 LOG NUMBER: 2 06-JUL-85



END OF REPORT PULSE EM PLOT MTS 9 LOG NUMBER: 2 06-JUL-85

P L O T E M

06-JUL-85

DRILL HOLE: MTS 7

LOG NUMBER: 3

FCX454 FALCONBRIDGE COPPER - EXPLORATION PULSE EM 06-JUL-85

DRILL HOLE MTS LOG 3

PROJECT 304
DRILL HOLE MTS 7
PULSE EM LOG 3
DATE LOGGED: 21/06/85 (DA/MO/YR)

DDH COORDS:		N	E	ELEVATION
TX LOOP	NE:	4+25N	8+00E	
CORNER	NW:	4+25N	3+00E	
COORD:	SW:	0+70S	3+00E	
	SE:	0+70S	8+00E	

LOG UNITS: METERS
ZERO TIME:

		FROM	TO
P.P. GAIN:	378	0	300
SET P.P. POSITIVE SW:		RIGHT	

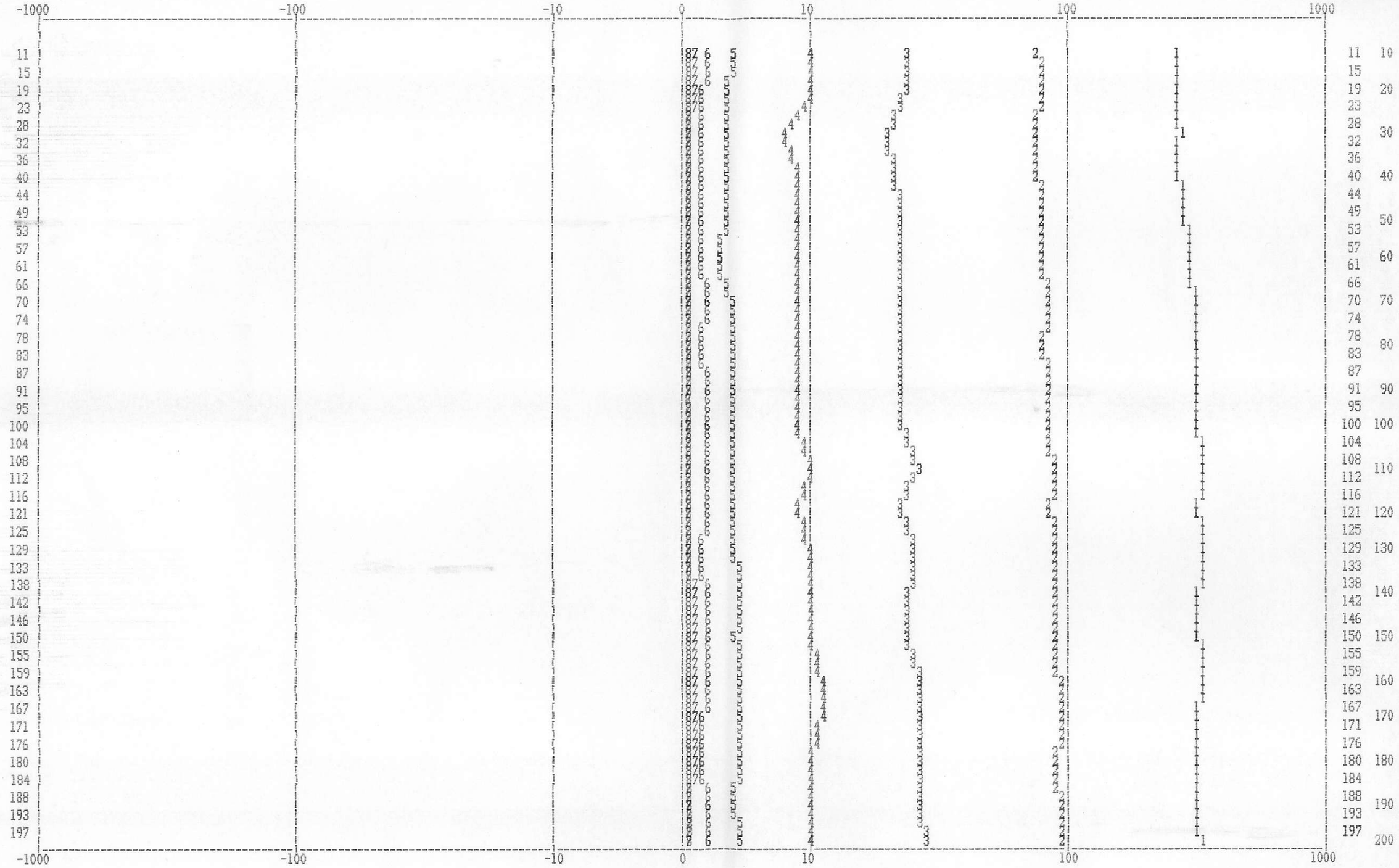
LINEAR INTERPOLATION

VERTICAL SCALE 1: 1000

PLOT DEPTH UNITS M

DRILL HOLE MTS LOG 3

END OF REPORT PRIMARY PULSE PLOT MTS 7 LOG NUMBER: 3 06-JUL-85



END OF REPORT PULSE EM PLOT MTS 7 LOG NUMBER: 3 06-JUL-85

P L O T E M

06-JUL-85

DRILL HOLE: MTS 8

LOG NUMBER: 3

ECX454 FALCONBRIDGE COPPER - EXPLORATION PULSE EM 06-JUL-85

DRILL HOLE MTS LOG 3

DRILL HOLE MTS LOG 3

PROJECT 304
DRILL HOLE MTS 8
PULSE EM LOG 3
DATE LOGGED: 21/06/85 (DA/MO/YR)

		N	E	ELEVATION
TX LOOP	NE:	4+25N	8+00E	
CORNER	NW:	4+25N	3+00E	
COORD:	SW:	0+70S	3+00E	
	SE:	0+70S	8+00E	

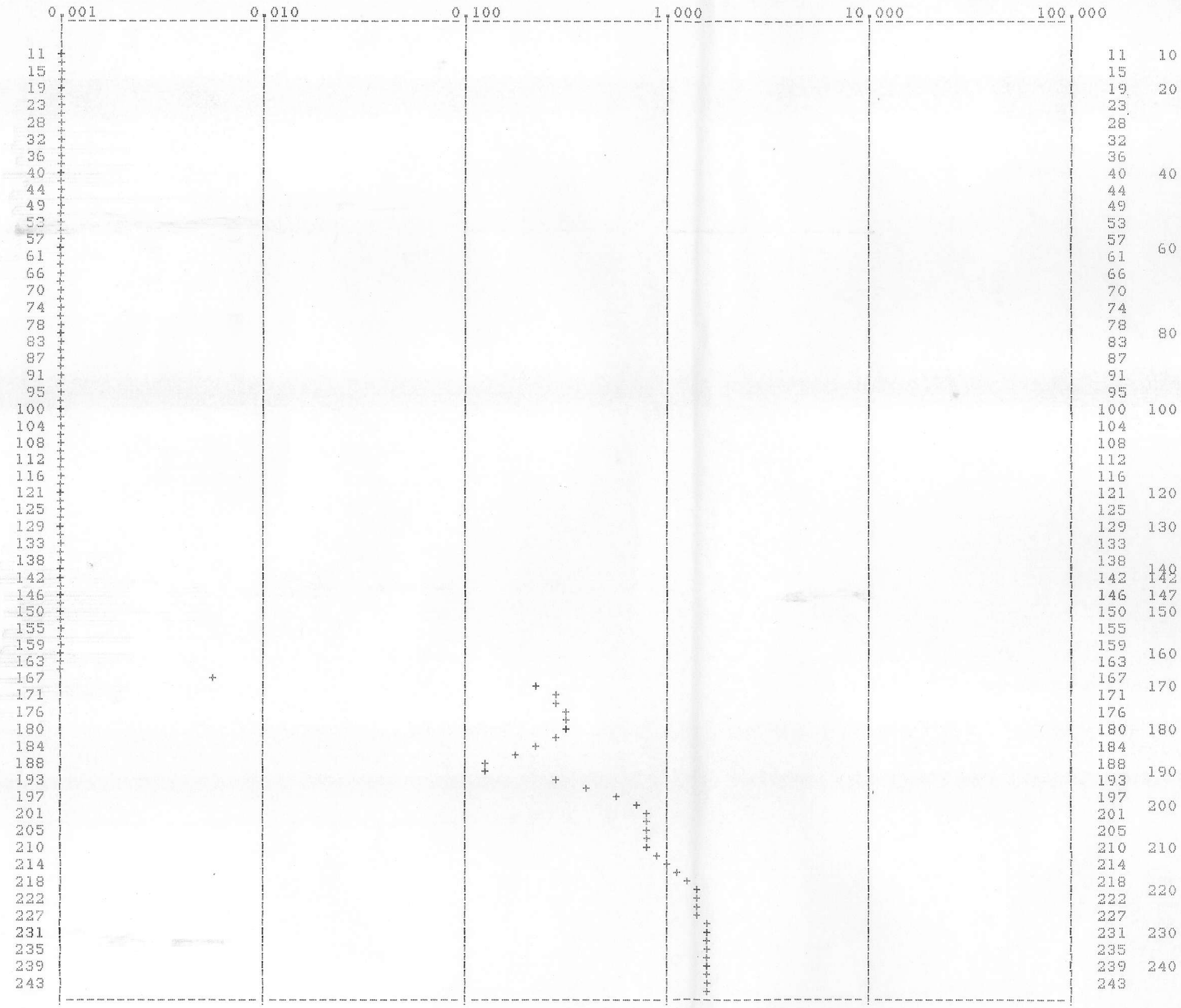
LOG UNITS: METERS
ZERO TIME:

		FROM	TO
P.P. GAIN:	378	0	300
SET P.P. POSITIVE SW:		RIGHT	

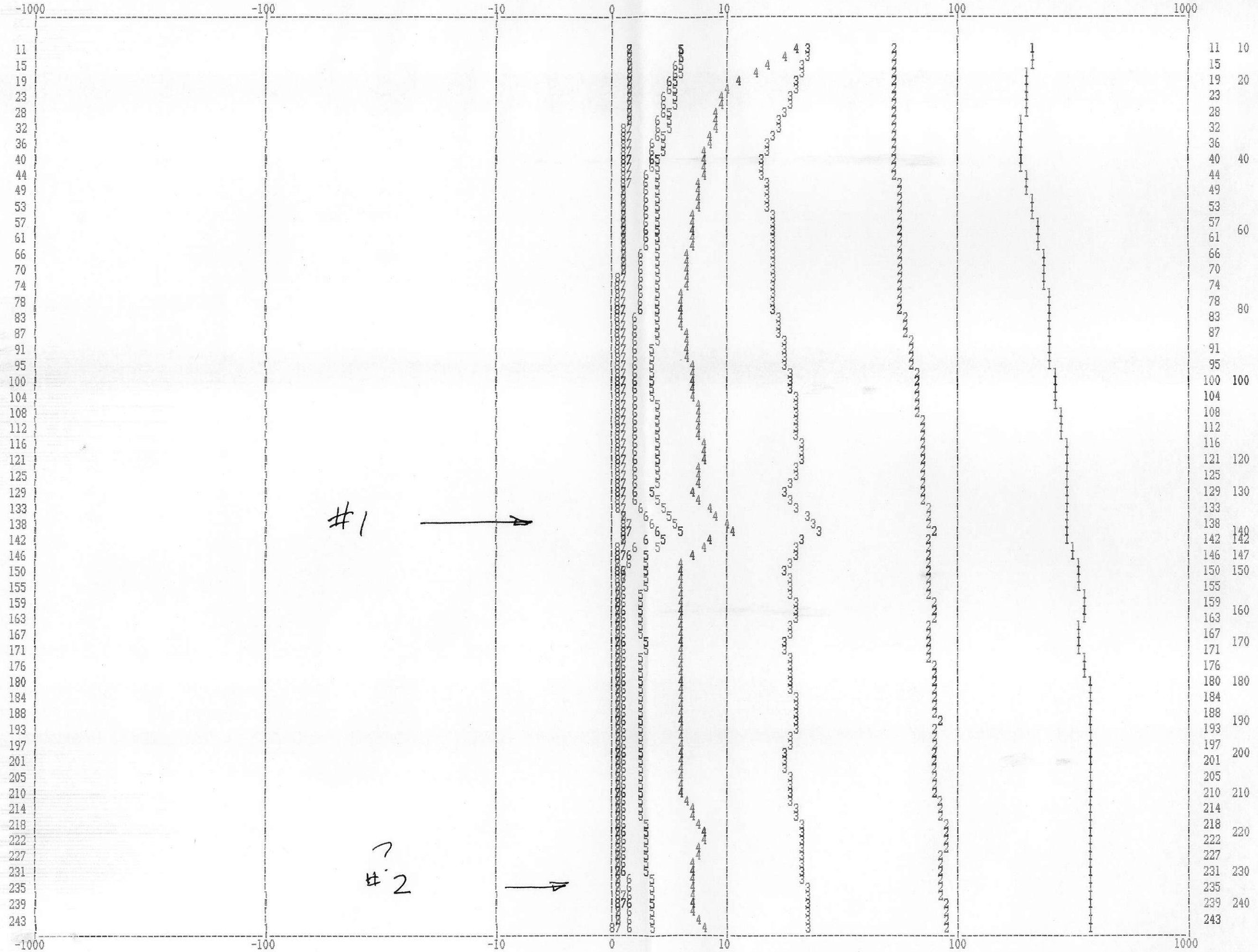
LINEAR INTERPOLATION

VERTICAL SCALE 1: 1000

PLOT DEPTH UNITS M



END OF REPORT PRIMARY PULSE PLOT MIS 8 LOG NUMBER: 3 06-JUL-85



END OF REPORT PULSE EM PLOT MIS 8 LOG NUMBER: 3 06-JUL-85

P L O T E M

06-JUL-85

DRILL HOLE: MTS 9

LOG NUMBER: 3

FCX454 FALCONBRIDGE COPPER - EXPLORATION PULSE EM 06-JUL-85

DRILL HOLE MTS LOG 3

DRILL HOLE MTS LOG 3

PROJECT 304
DRILL HOLE MTS 9
PULSE EM LOG 3
DATE LOGGED: 21/06/85 (DA/MO/YR)

DDH COORDS:		N	E	ELEVATION
TX LOOP	NE:	4+25N	8+00E	
CORNER	NW:	4+25N	3+00E	
COORD:	SW:	0+70S	3+00E	
	SE:	0+70S	8+00E	

See Raw Data for depth 30 (Primary Pulse)

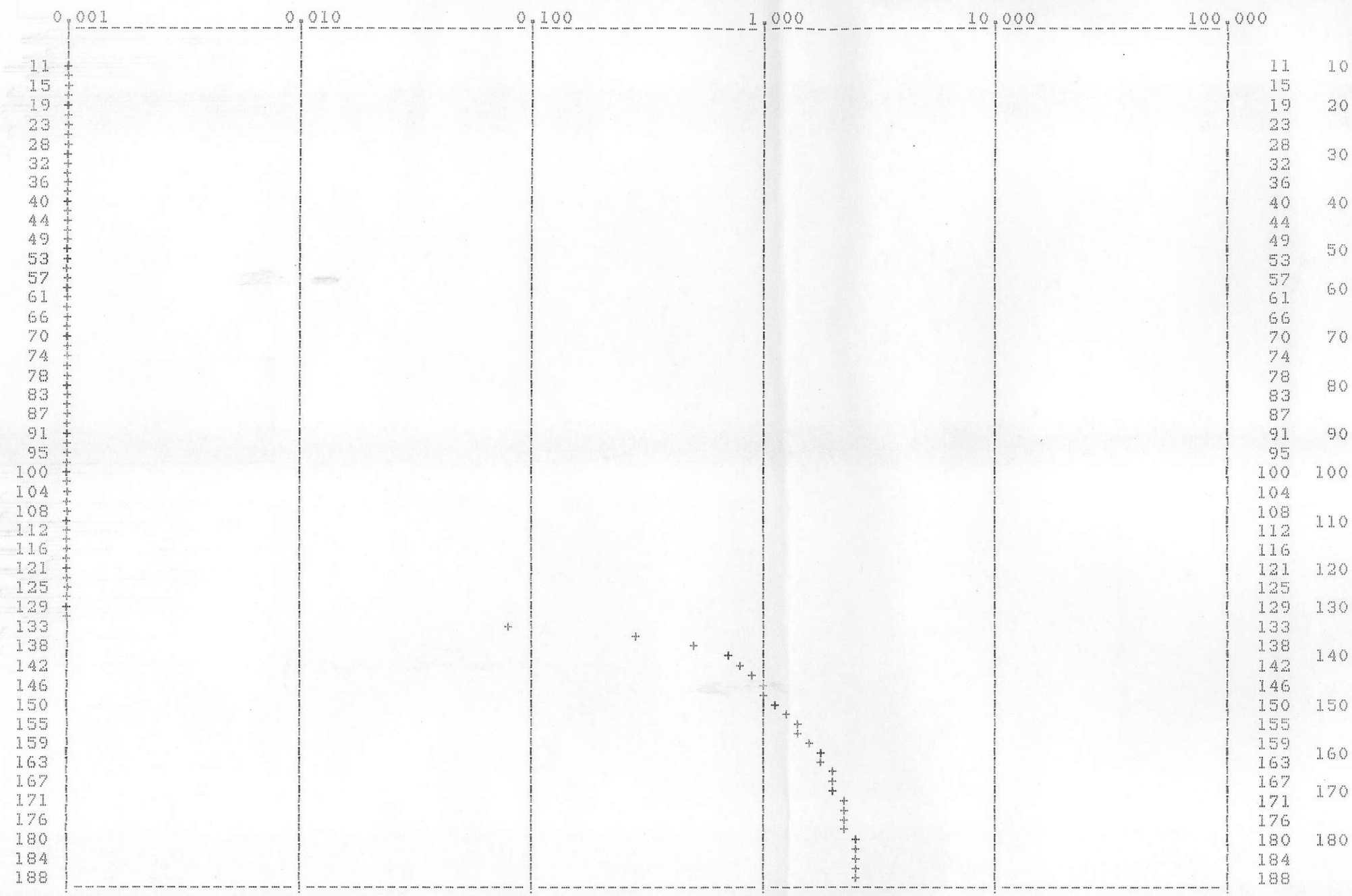
LOG UNITS: METERS
ZERO TIME:

		FROM	TO
P.P. GAIN:	378	0	300
SET P.P. POSITIVE SW:		RIGHT	

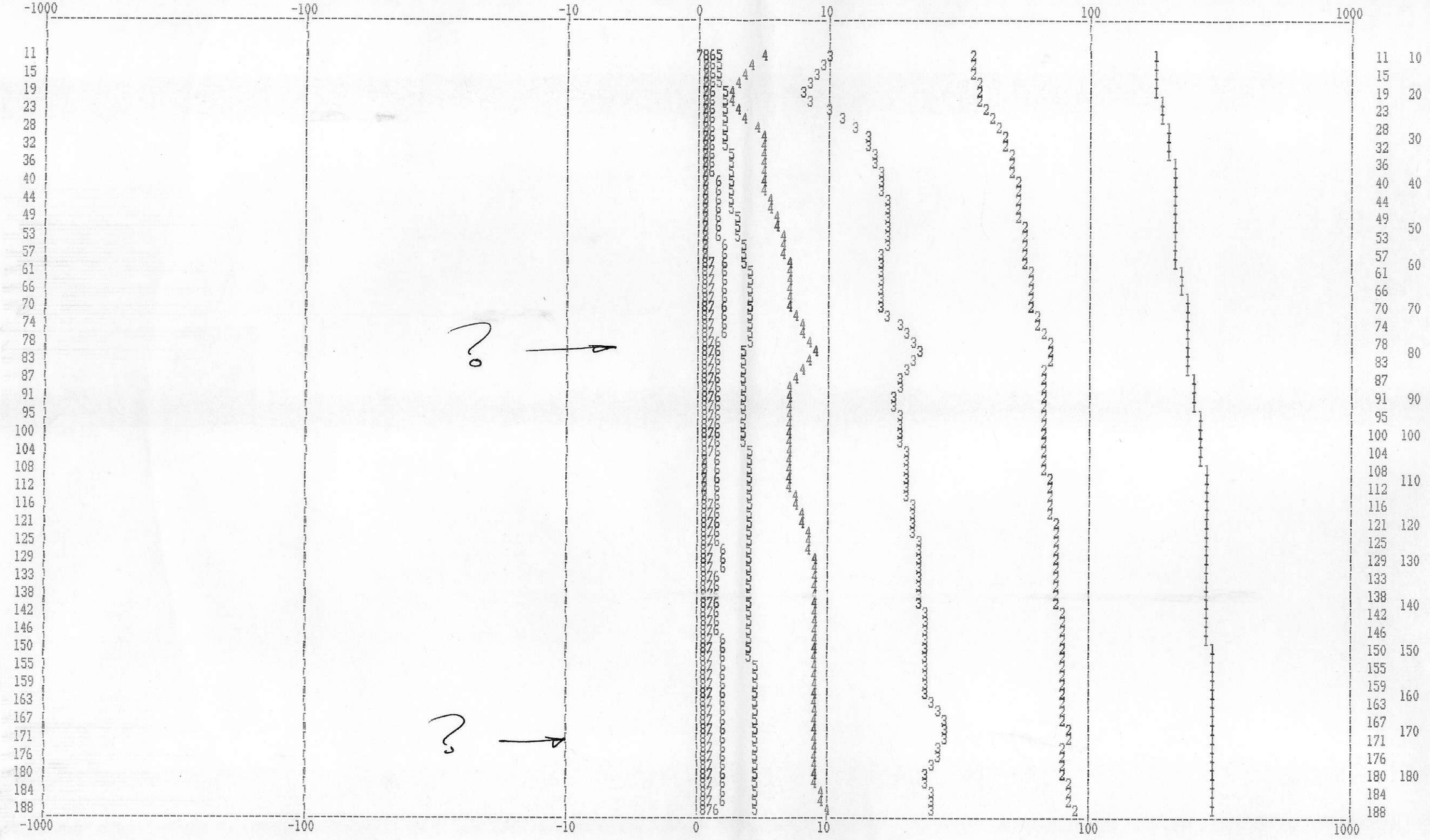
LINEAR INTERPOLATION

VERTICAL SCALE 1: 1000

PLOT DEPTH UNITS M



END OF REPORT PRIMARY PULSE PLOT MTS 9 LOG NUMBER: 3 06-JUL-85



END OF REPORT PULSE EM PLOT MTS 9 LOG NUMBER: 3 06-JUL-85

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*****************************
          GSP37
  Geonics EM37 Data System
     HP85   /   July 1983
*****************************


RED37: GEONICS EM37/DAS40
   data reduction
     July 1983

from DH7L1D  1 -->
1906 DH7◄ -214 Z◄ OPR XTL H 6α10
+
 0-3661.0 -439.0 -308.0 -217.0
 4 -148.0 -101.0  -74.0  -46.0
 8  -31.0  -21.0  -12.0   -8.6
12   -5.3   -3.7   -2.0   -1.2
16    -.9    -.6    -.5    -.3
20 [illegible] 380.0  0.0    0.0

from DH7L1D  2 -->
1906 DH7◄ -210 Z◄ OPR XTL H 6α10
+
 0-3698.0 -432.0 -320.0 -222.0
 4 -150.0  -99.0  -74.0  -48.0
 8  -30.0  -26.0  -12.0   -9.0
12   -5.6   -3.7   -2.2   -1.2
16    -.7    -.5    -.6    -.3
20    -.2  380.0    0.0    0.0

from DH7L1D  3 -->
1906 DH7◄ -200 Z◄ OPR XTL H 6α10
+
 0-3845.0 -435.0 -297.0 -214.0
 4 -145.0 -100.0  -72.0  -48.0
 8  -31.0  -21.0  -13.0   -9.9
12   -5.6   -3.7   -2.3   -1.3
16   -1.0    -.7    -.5    -.3
20    -.2  380.0    0.0    0.0

from DH7L1D  4 -->
1906 DH7◄ -190 Z◄ OPR XTL H 6α10
+
 0-3846.0 -432.0 -297.0 -213.0
 4 -146.0 -100.0  -72.0  -48.0
 8  -31.0  -21.0  -13.0   -9.9
12   -5.6   -3.7   -2.3   -1.3
16   -1.0    -.7    -.5    -.3
20    -.2  380.0    0.0    0.0

from DH7L1D  5 -->
1906 DH7◄ -180 Z◄ OPR XTL H 6α10
+
 0-3937.0 -427.0 -329.0 -217.0
 4 -145.0 -100.0  -72.0  -46.0
 8  -33.0  -19.0  -12.0   -9.3
12   -6.0   -3.7   -2.4   -1.3
16   -1.0    -.6    -.5    -.4
20    -.3  380.0    0.0    0.0

from DH7L1D  6 -->
1906 DH7◄ -170 Z◄ OPR XTL H 6α10
+
 0-4014.0 -434.0 -320.0 -218.0
 4 -147.0 -108.0  -71.0  -48.0
 8  -37.0  -19.0  -15.0  -10.7
12   -6.0   -3.8   -2.3   -1.2
16    -.9    -.6    -.6    -.3
20    -.2  380.0    0.0    0.0

from DH7L1D  7 -->
1906 DH7◄ -160 Z◄ OPR XTL H 6α10
+
 0-4077.0 -438.0 -318.0 -220.0
 4 -148.0 -104.0  -73.0  -49.0
 8  -34.0  -21.0  -14.0  -10.4
12   -5.8   -3.8   -2.4   -1.6
16   -1.1    -.6    -.4    -.2
20    -.2  380.0    0.0    0.0

from DH7L1D  8 -->
1906 DH7◄ -150 Z◄ OPR XTL H 6α10
+
 0-4139.0 -449.0 -314.0 -222.0
 4 -150.0 -101.0  -75.0  -49.0
 8  -32.0  -22.0  -13.0  -10.3
12   -5.8   -3.3   -2.3   -1.6
16   -1.1    -.8    -.3    -.3
20    -.2  380.0    0.0    0.0

from DH7L1D  9 -->
1906 DH7◄ -140 Z◄ OPR XTL H 6α10
+
 0-4201.0 -434.0 -328.0 -221.0
 4 -148.0 -103.0  -73.0  -47.0
 8  -35.0  -20.0  -14.0   -9.4
12   -5.8   -3.7   -2.6   -1.7
16   -1.1    -.8    -.4    -.4
20    -.1  380.0    0.0    0.0

from DH7L1D  10 -->
1906 DH7◄ -130 Z◄ OPR XTL H 6α10
+
 0-4209.0 -447.0 -324.0 -221.0
 4 -147.0 -107.0  -72.0  -49.0
 8  -36.0  -20.0  -15.0  -10.2
12   -6.5   -4.3   -2.9   -1.4
16    -.9    -.6    -.6    -.3
20    -.3  380.0    0.0    0.0

from DH7L1D  11 -->
1906 DH7◄ -120 Z◄ OPR XTL H 6α10
+
 0-4210.0 -435.0 -334.0 -221.0
 4 -146.0 -105.0  -72.0  -47.0
 8  -36.0  -21.0  -14.0   -9.9
12   -6.4   -4.2   -2.9   -1.7
16   -1.0    -.7    -.5    -.4
20    -.2  380.0    0.0    0.0

from DH7L1D  12 -->
1906 DH7◄ -110 Z◄ OPR XTL H 6α10
+
 0-4209.0 -461.0 -324.0 -226.0
 4 -153.0 -103.0  -77.0  -51.0
 8  -34.0  -24.0  -14.0  -12.1
12   -6.3   -3.9   -2.5   -1.4
16   -1.3    -.7    -.5    -.3
20    -.3  380.0    0.0    0.0

from DH7L1D  13 -->
1906 DH7◄ -100 Z◄ OPR XTL H 6α10
+
 0-4210.0 -453.0 -330.0 -223.0
 4 -149.0 -106.0  -74.0  -50.0
 8  -36.0  -22.0  -15.0  -11.7
12   -6.6   -4.1   -2.6   -1.5
16   -1.3    -.7    -.5    -.3
20    -.2  380.0    0.0    0.0

from DH7L1D  14 -->
1906 DH7◄ -90  Z◄ OPR XTL H 6α10
+
 0-4210.0 -474.0 -318.0 -224.0
 4 -152.0 -103.0  -77.0  -52.0
 8  -33.0  -24.0  -15.0  -11.4
12   -6.7   -4.3   -2.8   -1.5
16   -1.1    -.7    -.6    -.2
20    -.3  380.0    0.0    0.0

from DH7L1D  15 -->
1906 DH7◄ -80  Z◄ OPR XTL H 6α10
+
 0-4211.0 -469.0 -317.0 -219.0
 4 -149.0 -104.0  -75.0  -51.0
 8  -34.0  -24.0  -14.0  -10.2
12   -6.5   -4.2   -2.9   -1.8
16   -1.2    -.6    -.5    -.4
20    -.2  380.0    0.0    0.0

from DH7L1D  16 -->
1906 DH7◄ -70  Z◄ OPR XTL H 6α10
+
 0-4211.0 -468.0 -335.0 -224.0
 4 -152.0 -109.0  -76.0  -52.0
 8  -38.0  -23.0  -16.0  -10.8
12   -7.1   -4.6   -3.1   -1.7
16   -1.1    -.8    -.6    -.4
20    -.2  380.0    0.0    0.0

from DH7L1D  17 -->
1906 DH7◄ -60  Z◄ OPR XTL H 6α10
+
 0-4211.0 -470.0 -329.0 -223.0
 4 -151.0 -109.0  -77.0  -53.0
 8  -38.0  -24.0  -16.0  -11.2
12   -7.1   -4.4   -2.8   -1.7
16   -1.4    -.8    -.7    -.3
20    -.2  380.0    0.0    0.0

from DH7L1D  18 -->
1906 DH7◄ -50  Z◄ OPR XTL H 6α10
+
 0-4211.0 -485.0 -319.0 -223.0
 4 -152.0 -110.0  -78.0  -54.0
 8  -37.0  -25.0  -16.0  -12.3
12   -7.2   -4.6   -2.9   -1.7
16   -1.3    -.8    -.6    -.3
20    -.3  380.0    0.0    0.0

from DH7L1D  19 -->
1906 DH7◄ -40  Z◄ OPR XTL H 6α10
+
 0-4211.0 -451.0 -330.0 -221.0
 4 -151.0 -107.0  -78.0  -52.0
 8  -38.0  -24.0  -16.0  -11.6
12   -7.1   -4.5   -3.0   -2.1
16   -1.5    -.9    -.6    -.5
20    -.2  380.0    0.0    0.0

from DH7L1D  20 -->
1906 DH7◄ -30  Z◄ OPR XTL H 6α10
+
 0-4212.0 -454.0 -326.0 -221.0
 4 -152.0 -108.0  -78.0  -53.0
 8  -38.0  -25.0  -16.0  -11.3
12   -7.5   -4.8   -3.1   -1.8
16   -1.3    -.8    -.7    -.4
20    -.2  380.0    0.0    0.0

from DH7L1D  21 -->
1906 DH7◄ -20  Z◄ OPR XTL H 6α10
+
 0-4212.0 -452.0 -323.0 -219.0
 4 -150.0 -109.0  -78.0  -54.0
 8  -39.0  -24.0  -16.0  -11.1
12   -7.3   -4.8   -3.5   -2.5
16   -1.3   -1.1    -.6    -.5
20    -.3  380.0    0.0    0.0

from DH7L1D  22 -->
1906 DH7◄ -10  Z◄ OPR XTL H 6α10
+
 0-4214.0 -453.0 -337.0 -213.0
 4 -145.0 -117.0  -74.0  -53.0
 8  -45.0  -22.0  -19.0  -12.9
12   -8.0   -5.3   -3.5   -2.6
16   -1.7   -1.1    -.8    -.6
20    -.5  380.0    0.0    0.0
```

-214m

June 19th

depth

primary pulse

```
##############################
          GSP37
  Geonics EM37 Data System
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##############################



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    data reduction
       July 1983



from DH8L1D  1 -->
1906 DH84 250S Z4 OPR XTL H 6a10
+
 0-3678.0 -476.0 -306.0 -183.0
 4 -113.0  -73.0  -52.0  -31.0
 8  -21.0  -12.0   -7.0   -5.2
12   -3.1   -2.0   -1.3   -.7
16   -.7    -.5    -.3    -.3
20   -.2  380.0    0.0    0.0

from DH8L1D  2 -->
1906 DH84 240S Z4 OPR XTL H 6a10
+
 0-3738.0 -498.0 -302.0 -179.0
 4 -109.0  -69.0  -49.0  -30.0
 8  -20.0  -12.0   -6.0   -5.0
12   -2.7   -1.6   -1.1   -.6
16   -.6    -.4    -.3    -.2
20   -.2  380.0    0.0    0.0

from DH8L1D  3 -->
1906 DH84 230S Z4 OPR XTL H 6a10
+
 0-3794.0 -504.0 -300.0 -172.0
 4 -103.0  -63.0  -46.0  -27.0
 8  -17.0  -10.0   -5.0   -4.3
12   -2.1   -1.3    -.7    -.3
16    -.5    -.4    -.3    -.2
20    -.1  380.0    0.0    0.0

from DH8L1D  4 -->
1906 DH84 220S Z4 OPR XTL H 6a10
+
 0-3854.0 -513.0 -292.0 -165.0
 4  -95.0  -58.0  -40.0  -23.0
 8  -14.0   -8.0   -4.0   -2.8
12   -1.6    -.6    -.4    -.1
16    -.3    -.2    -.2    -.1
20    -.1  380.0    0.0    0.0

from DH8L1D  5 -->
1906 DH84 210S Z4 OPR XTL H 6a10
+
 0-3897.0 -518.0 -297.0 -161.0
 4  -91.0  -54.0  -37.0  -21.0
 8  -13.0   -7.0   -3.0   -1.7
12    -.5    -.3    -.1     0.0
16    -.1    -.1    -.1    -.1
20     0.0 380.0    0.0    0.0

from DH8L1D  6 -->
1906 DH84 200S Z4 OPR XTL H 6a10
+
 0-3939.0 -486.0 -296.0 -164.0
 4  -95.0  -57.0  -40.0  -22.0
 8  -14.0   -7.0   -3.0   -2.4
12    -.8    -.4    -.1     0.0
16    -.2    -.1    -.1    -.1
20    -.1  380.0    0.0    0.0

from DH8L1D  7 -->
1906 DH84 190S Z4 OPR XTL H 6a10
+
 0-3988.0 -477.0 -283.0 -161.0
 4  -95.0  -58.0  -41.0  -24.0
 8  -15.0   -8.0   -4.0   -3.3
12   -1.4    -.6    -.4     0.0
16    -.3    -.2    -.2    -.1
20    -.1  380.0    0.0    0.0

from DH8L1D  8 -->
1906 DH84 180S Z4 OPR XTL H 6a10
+
 0-4031.0 -479.0 -293.0 -167.0
 4  -99.0  -61.0  -44.0  -26.0
 8  -17.0  -10.0   -5.0   -3.5
12   -1.9   -1.1    -.7    -.3
16    -.4    -.3    -.2    -.2
20    -.1  380.0    0.0    0.0

from DH8L1D  9 -->
1906 DH84 170S Z4 OPR XTL H 6a10
+
 0-4071.0 -480.0 -296.0 -168.0
 4 -100.0  -64.0  -45.0  -27.0
 8  -19.0  -10.0   -6.0   -4.3
12   -2.4   -1.4    -.9    -.4
16    -.4    -.3    -.2    -.2
20    -.1  380.0    0.0    0.0

from DH8L1D  10 -->
1906 DH84 160S Z4 OPR XTL H 6a10
+
 0-4031.0 -484.0 -286.0 -167.0
 4 -102.0  -65.0  -47.0  -29.0
 8  -19.0  -12.0   -7.0   -4.5
12    -2.7   -1.7   -1.3    -.7
16    -.6    -.4    -.3    -.2
20    -.1  380.0    0.0    0.0

from DH8L1D  11 -->
1906 DH84 150S Z4 OPR XTL H 6a10
+
 0-4146.0 -482.0 -298.0 -169.0
 4 -101.0  -66.0  -47.0  -29.0
 8  -20.0  -11.0   -7.0   -4.7
12   -3.1   -2.0   -1.5    -.9
16    -.7    -.5    -.4    -.3
20    -.2  380.0    0.0    0.0

from DH8L1D  12 -->
1906 DH84 140S Z4 OPR XTL H 6a10
+
 0-4179.0 -450.0 -289.0 -165.0
 4  -99.0  -60.0  -48.0  -28.0
 8  -19.0  -13.0   -8.0   -3.0
12   -2.5   -2.0   -2.0   -1.8
16    -.7    -.6    -.5    -.4
20    -.2  380.0    0.0    0.0

from DH8L1D  13 -->
1906 DH84 130S Z4 OPR XTL H 6a10
+
 0-4199.0 -459.0 -269.0 -160.0
 4  -99.0  -69.0  -46.0  -30.0
 8  -23.0  -12.0   -9.0   -5.4
12   -3.5   -2.5   -2.0   -1.5
16    -.7    -.6    -.6    -.4
20    -.3  380.0    0.0    0.0

from DH8L1D  14 -->
1906 DH84 120S Z4 OPR XTL H 6a10
+
 0-4199.0 -437.0 -263.0 -160.0
 4 -101.0  -68.0  -49.0  -32.0
 8  -22.0  -14.0   -9.0   -6.8
12   -4.0   -2.7   -2.2   -1.7
16   -1.0    -.6    -.7    -.4
20    -.4  380.0    0.0    0.0

from DH8L1D  15 -->
1906 DH84 110S Z4 OPR XTL H 6a10
+
 0-4199.0 -430.0 -260.0 -168.0
 4 -109.0  -64.0  -55.0  -35.0
 8  -18.0  -18.0   -8.0   -7.1
12   -4.6   -3.1   -2.4   -1.6
16    -.9    -.7    -.7    -.4
20    -.3  380.0    0.0    0.0

from DH8L1D  16 -->
1906 DH84 100S Z4 OPR XTL H 6a10
+
 0-4199.0 -432.0 -251.0 -166.0
 4 -110.0  -71.0  -56.0  -37.0
 8  -22.0  -18.0  -10.0   -7.3
12   -4.9   -3.3   -2.4   -1.5
16   -1.0    -.7    -.6    -.4
20    -.4  380.0    0.0    0.0

from DH8L1D  17 -->
1906 DH84 090S Z4 OPR XTL H 6a10
+
 0-4199.0 -488.0 -264.0 -164.0
 4 -107.0  -79.0  -54.0  -36.0
 8  -29.0  -15.0  -12.0   -8.4
12   -5.1   -3.2   -2.6   -1.9
16   -1.2    -.7    -.7    -.4
20    -.4  380.0    0.0    0.0

from DH8L1D  18 -->
1906 DH84 080S Z4 OPR XTL H 6a10
+
 0-4200.0 -392.0 -263.0 -168.0
 4 -111.0  -76.0  -57.0  -38.0
 8  -27.0  -17.0  -11.0   -8.5
12   -5.6   -4.0   -3.1   -2.2
16   -1.2    -.8    -.9    -.5
20    -.5  380.0    0.0    0.0

from DH8L1D  19 -->
1906 DH84 070S Z4 OPR XTL H 6a10
+
 0-4200.0 -393.0 -259.0 -166.0
 4 -108.0  -84.0  -56.0  -40.0
 8  -31.0  -18.0  -13.0   -9.5
12   -6.1   -4.3   -3.3   -2.6
16   -1.2    -.9    -.8    -.6
20    -.6  380.0    0.0    0.0

from DH8L1D  20 -->
1906 DH84 060S Z4 OPR XTL H 6a10
+
 0-4200.0 -356.0 -269.0 -170.0
 4 -114.0  -77.0  -61.0  -39.0
 8  -29.0  -18.0  -12.0   -7.1
12   -6.2   -4.8   -4.5   -3.7
16   -1.2   -1.2   -1.0    -.8
20    -.7  380.0    0.0    0.0

from DH8L1D  21 -->
1906 DH84 050S Z4 OPR XTL H 6a10
+
 0-4200.0 -352.0 -272.0 -174.0
 4 -116.0  -79.0  -62.0  -40.0
 8  -31.0  -19.0  -13.0   -9.9
12   -6.8   -4.8   -4.3   -3.4
16   -1.5   -1.1   -1.2    -.8
20    -.8  380.0    0.0    0.0

from DH8L1D  22 -->
1906 DH84 040S Z4 OPR XTL H 6a10
+
 0-4200.0 -393.0 -233.0 -176.0
 4 -122.0  -76.0  -68.0  -46.0
 8  -24.0  -26.0  -13.0   -11.3
12   -8.1   -5.9   -4.8   -3.7
16   -1.5   -1.4   -1.3   -1.0
20    -.8  380.0    0.0    0.0

from DH8L1D  23 -->
1906 DH84 030S Z4 OPR XTL H 6a10
+
 0-4200.0 -403.0 -222.0 -161.0
 4 -114.0  -93.0  -60.0  -47.0
 8  -34.0  -22.0  -17.0   -15.2
12   -7.7   -5.5   -4.5   -4.2
16   -2.1   -1.8   -1.0   -1.5
20    -.7  380.0    0.0    0.0

from DH8L1D  24 -->
1906 DH84 020S Z4 OPR XTL H 6a10
+
 0-4200.0 -310.0 -284.0 -162.0
 4 -106.0 -105.0  -55.0   -42.0
 8  -50.0  -14.0  -21.0    -8.7
12   -7.6   -6.1   -6.3    -7.0
16   -2.7   -2.2   -1.3    -1.7
20   -1.1  380.0    0.0     0.0

from DH8L1D  25 -->
1906 DH84 010S Z4 OPR XTL H 6a10
+
 0-4201.0 -394.0 -228.0 -159.0
 4 -114.0 -105.0  -62.0   -49.0
 8  -45.0  -21.0  -22.0   -16.5
12   -8.8   -6.0   -6.1    -5.8
16   -2.3   -2.1   -1.7    -2.3
20   -1.6  380.0    0.0     0.0
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        GSP37
  Geonics EM37 Data System
      HP85   /  July 1983
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    data reduction
       July 1983



from DH9L1D  1 -->
1906 DH9◀ -190 Z◀ OPR XTL H 6α10
+
 0-3705.0 -294.0 -227.0 -165.0
 4 -117.0  -82.0  -63.0  -42.0
 8  -29.0  -19.0  -12.0   -8.8
12   -5.8   -3.7   -2.5   -1.4
16   -1.0    -.7    -.5    -.4
20    -.2  380.0     0.0     0.0

from DH9L1D  2 -->
1906 DH9◀ -180 Z◀ OPR XTL H 6α10
+
 0-3768.0 -313.0 -218.0 -166.0
 4 -118.0  -84.0  -64.0  -44.0
 8  -29.0  -20.0  -12.0   -9.7
12   -5.9   -3.6   -2.4   -1.6
16   -1.1    -.8    -.5    -.3
20    -.2  380.0     0.0     0.0

from DH9L1D  3 -->
1906 DH9◀ -170 Z◀ OPR XTL H 6α10
+
 0-3846.0 -292.0 -234.0 -167.0
 4 -118.0  -81.0  -64.0  -41.0
 8  -30.0  -19.0  -12.0   -8.9
12   -6.0   -3.9   -2.5   -1.4
16   -1.1    -.7    -.5    -.4
20    -.2  380.0     0.0     0.0

from DH9L1D  4 -->
1906 DH9◀ -160 Z◀ OPR XTL H 6α10
+
 0-3916.0 -302.0 -226.0 -169.0
 4 -119.0  -82.0  -65.0  -43.0
 8  -28.0  -21.0  -12.0   -9.8
12   -6.1   -3.9   -2.5   -1.5
16   -1.2    -.8    -.6    -.4
20    -.2  380.0     0.0     0.0

from DH9L1D  5 -->
1906 DH9◀ -150 Z◀ OPR XTL H 6α10
+
 0-3965.0 -303.0 -226.0 -166.0
 4 -118.0  -82.0  -64.0  -42.0
 8  -29.0  -20.0  -12.0   -9.7
12   -6.1   -3.9   -2.5   -1.3
16   -1.1    -.7    -.6    -.3
20    -.2  380.0     0.0     0.0

from DH9L1D  6 -->
1906 DH9◀ -140 Z◀ OPR XTL H 6α10
+
 0-4021.0 -303.0 -224.0 -163.0
 4 -116.0  -81.0  -63.0  -41.0
 8  -29.0  -20.0  -12.0   -9.1
12   -5.7   -3.7   -2.4   -1.5
16   -1.1    -.7    -.5    -.3
20    -.2  380.0     0.0     0.0

from DH9L1D  7 -->
1906 DH9◀ -130 Z◀ OPR XTL H 6α10
+
 0-4086.0 -302.0 -228.0 -163.0
 4 -115.0  -83.0  -62.0  -42.0
 8  -30.0  -19.0  -12.0   -9.6
12   -5.9   -3.7   -2.3   -1.3
16   -1.1    -.7    -.5    -.3
20    -.2  380.0     0.0     0.0

from DH9L1D  8 -->
1906 DH9◀ -120 Z◀ OPR XTL H 6α10
+
 0-4159.0 -307.0 -229.0 -165.0
 4 -117.0  -82.0  -64.0  -42.0
 8  -30.0  -20.0  -12.0   -9.7
12   -5.8   -3.7   -2.4   -1.4
16   -1.1    -.8    -.5    -.3
20    -.2  380.0     0.0     0.0

from DH9L1D  9 -->
1906 DH9◀ -110 Z◀ OPR XTL H 6α10
+
 0-4198.0 -305.0 -229.0 -166.0
 4 -118.0  -81.0  -64.0  -43.0
 8  -29.0  -20.0  -12.0   -8.8
12   -6.0   -3.8   -2.6   -1.6
16   -1.1    -.8    -.4    -.4
20    -.2  380.0     0.0     0.0

from DH9L1D  10 -->
1906 DH9◀ -100 Z◀ OPR XTL H 6α10
+
 0-4197.0 -305.0 -233.0 -166.0
 4 -117.0  -84.0  -64.0  -43.0
 8  -31.0  -20.0  -13.0   -9.8
12   -6.1   -3.9   -2.6   -1.6
16   -1.2    -.8    -.6    -.3
20    -.3  380.0     0.0     0.0

from DH9L1D  11 -->
1906 DH9◀ -90  Z◀ OPR XTL H 6α10
+
 0-4197.0 -322.0 -218.0 -167.0
 4 -121.0  -81.0  -68.0  -45.0
 8  -28.0  -23.0  -12.0  -10.1
12   -6.6   -4.4   -3.1   -1.9
16   -1.2    -.9    -.6    -.5
20    -.3  380.0     0.0     0.0

from DH9L1D  12 -->
1906 DH9◀ -80  Z◀ OPR XTL H 6α10
+
 0-4197.0 -296.0 -239.0 -168.0
 4 -119.0  -85.0  -66.0  -44.0
 8  -32.0  -21.0  -13.0  -10.9
12   -7.0   -4.7   -3.3   -2.0
16   -1.3    -.8    -.9    -.5
20    -.4  380.0     0.0     0.0

from DH9L1D  13 -->
1906 DH9◀ -70  Z◀ OPR XTL H 6α10
+
 0-4197.0 -304.0 -240.0 -168.0
 4 -121.0  -90.0  -66.0  -46.0
 8  -36.0  -21.0  -15.0   -9.6
12   -7.5   -5.3   -4.0   -2.6
16   -1.4    -1.1    -.8    -.6
20    -.4  380.0     0.0     0.0

from DH9L1D  14 -->
1906 DH9◀ -60  Z◀ OPR XTL H 6α10
+
 0-4197.0 -274.0 -259.0 -173.0
 4 -121.0  -89.0  -69.0  -45.0
 8  -37.0  -20.0  -15.0   -9.7
12   -7.5   -5.2   -4.1   -3.0
16   -1.4    -1.1    -.8    -.6
20    -.5  380.0     0.0     0.0

from DH9L1D  15 -->
1906 DH9◀ -50  Z◀ OPR XTL H 6α10
+
 0-4197.0 -322.0 -226.0 -169.0
 4 -122.0  -94.0  -68.0  -48.0
 8  -37.0  -22.0  -16.0  -12.3
12   -7.6   -4.9   -3.3   -2.0
16   -1.5   -1.0    -.7    -.5
20    -.3  380.0     0.0     0.0

from DH9L1D  16 -->
1906 DH9◀ -40  Z◀ OPR XTL H 6α10
+
 0-4197.0 -323.0 -244.0 -177.0
 4 -129.0  -99.0  -72.0  -51.0
 8  -40.0  -23.0  -17.0  -12.1
12   -8.1   -5.4   -3.8   -2.7
16   -1.6    -1.1    -.7    -.7
20    -.4  380.0     0.0     0.0

from DH9L1D  17 -->
1906 DH9◀ -30  Z◀ OPR XTL H 6α10
+
 0-4197.0 -330.0 -228.0 -177.0
 4 -131.0  -95.0  -75.0  -52.0
 8  -36.0  -26.0  -16.0  -12.8
12   -8.0   -5.3   -3.6   -2.5
16   -1.6    -1.1    -.7    -.6
20    -.4  380.0     0.0     0.0

from DH9L1D  18 -->
1906 DH9◀ -20  Z◀ OPR XTL H 6α10
+
 0-4197.0 -335.0 -243.0 -186.0
 4 -139.0 -100.0  -80.0  -56.0
 8  -39.0  -29.0  -18.0  -14.0
12   -9.0   -6.1   -4.1   -2.8
16   -2.0    -1.3    -1.1    -.6
20    -.5  380.0     0.0     0.0

from DH9L1D  19 -->
1906 DH9◀ -10  Z◀ OPR XTL H 6α10
+
 0-4198.0 -329.0 -255.0 -191.0
 4 -143.0 -102.0  -83.0  -56.0
 8  -39.0  -28.0  -17.0  -14.4
12   -9.0   -5.7   -4.0   -2.7
16   -2.3    -1.8    -1.7    -1.5
20   -1.2  380.0     0.0     0.0
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##############################
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     HP85   /   July 1983
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    data reduction
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from DH7L2D  1 -->
2006 DH7◀ -205 Z◀ OPR XTL H 6α10
+
 0   492.0   250.0   198.0   146.0
 4   105.0    75.0    51.0    36.0
 8    24.0    17.0    10.0     7.6
12     4.8     3.3     2.0     1.1
16      .4      .1     0.0     0.0
20     0.0   378.0     0.0     0.0

from DH7L2D  2 -->
2006 DH7◀ -200 Z◀ OPR XTL H 6α10
+
 0   447.0   250.0   195.0   143.0
 4   102.0    77.0    49.0    35.0
 8    25.0    16.0    12.0     7.4
12     4.8     3.3     2.0     1.0
16      .4      .1     0.0     0.0
20     0.0   378.0     0.0     0.0

from DH7L2D  3 -->
2006 DH7◀ -190 Z◀ OPR XTL H 6α10
+
 0   351.0   259.0   199.0   146.0
 4   104.0    78.0    50.0    36.0
 8    25.0    16.0    10.0     7.3
12     4.6     3.2     1.8     1.0
16      .3      .1      .1      .2
20     -.1   378.0     0.0     0.0

from DH7L2D  4 -->
2006 DH7◀ -180 Z◀ OPR XTL H 6α10
+
 0   278.0   250.0   201.0   146.0
 4   103.0    74.0    49.0    35.0
 8    23.0    16.0     9.0     7.0
12     4.7     3.3     1.9      .9
16      .3      .0      .0      .0
20     0.0   378.0     0.0     0.0

from DH7L2D  5 -->
2006 DH7◀ -170 Z◀ OPR XTL H 6α10
+
 0     4.0   264.0   209.0   150.0
 4   106.0    78.0    49.0    36.0
 8    25.0    16.0    10.0     7.8
12     4.6     3.2     1.9     1.0
16      .3      .1     0.0     0.0
20     0.0   378.0     0.0     0.0

from DH7L2D  6 -->
2006 DH7◀ -160 Z◀ OPR XTL H 6α10
+
 0  -120.0   262.0   213.0   149.0
 4   106.0    78.0    49.0    35.0
 8    26.0    15.0    10.0     6.9
12     4.6     3.2     1.9      .9
16      .2      .0     0.0     0.0
20     -.1   378.0     0.0     0.0

from DH7L2D  7 -->
2006 DH7◀ -150 Z◀ OPR XTL H 6α10
+
 0  -220.0   271.0   200.0   149.0
 4   106.0    73.0    50.0    35.0
 8    22.0    17.0     9.0     6.9
12     4.6     3.2     1.9      .9
16      .2      .0     0.0     0.0
20     -.1   378.0     0.0     0.0

from DH7L2D  8 -->
2006 DH7◀ -140 Z◀ OPR XTL H 6α10
+
 0  -261.0   268.0   202.0   147.0
 4   102.0    75.0    48.0    34.0
 8    23.0    15.0    10.0     6.5
12     4.3     3.2     1.8      .9
16      .3      .0     0.0     0.0
20     0.0   378.0     0.0     0.0

from DH7L2D  9 -->
2006 DH7◀ -130 Z◀ OPR XTL H 6α10
+
 0  -483.0   261.0   205.0   144.0
 4   101.0    73.0    46.0    33.0
 8    23.0    14.0     9.0     6.8
12     4.4     3.0     1.7      .8
16      .3      .0     0.0     0.0
20     0.0   378.0     0.0     0.0

from DH7L2D  10 -->
2006 DH7◀ -120 Z◀ OPR XTL H 6α10
+
 0  -625.0   271.0   203.0   145.0
 4   101.0    73.0    46.0    33.0
 8    22.0    15.0     9.0     7.0
12     4.1     2.8     1.7      .6
16      .2      .0     0.0     0.0
20     -.1   378.0     0.0     0.0

from DH7L2D  11 -->
2006 DH7◀ -110 Z◀ OPR XTL H 6α10
+
 0  -830.0   278.0   190.0   140.0
 4    98.0    74.0    44.0    33.0
 8    23.0    14.0    10.0     6.6
12     4.0     2.7     1.5      .5
16      .2      .0     0.0     0.0
20     -.1   378.0     0.0     0.0

from DH7L2D  12 -->
2006 DH7◀ -100 Z◀ OPR XTL H 6α10
+
 0-1008.0   255.0   191.0   136.0
 4    95.0    70.0    43.0    31.0
 8    22.0    13.0     9.0     6.8
12     4.1     2.7     1.4      .5
16      .3      .0     0.0     0.0
20     0.0   378.0     0.0     0.0

from DH7L2D  13 -->
2006 DH7◀ -090 Z◀ OPR XTL H 6α10
+
 0-1203.0   238.0   193.0   135.0
 4    94.0    64.0    43.0    30.0
 8    19.0    15.0     7.0     5.6
12     4.0     2.9     1.6      .6
16      .2      .0     0.0     0.0
20     0.0   378.0     0.0     0.0

from DH7L2D  14 -->
2006 DH7◀ -080 Z◀ OPR XTL H 6α10
+
 0-1476.0   245.0   180.0   130.0
 4    92.0    65.0    42.0    30.0
 8    20.0    14.0     8.0     5.9
12     3.7     2.7     1.6      .9
16      .3      .0     0.0     0.0
20     0.0   378.0     0.0     0.0

from DH7L2D  15 -->
2006 DH7◀ -070 Z◀ OPR XTL H 6α10
+
 0-1636.0   228.0   177.0   125.0
 4    89.0    62.0    40.0    28.0
 8    19.0    13.0     8.0     5.3
12     3.8     2.8     1.8      .8
16      .2      .0     0.0     0.0
20     0.0   378.0     0.0     0.0

from DH7L2D  16 -->
2006 DH7◀ -060 Z◀ OPR XTL H 6α10
+
 0-1918.0   217.0   168.0   120.0
 4    84.0    60.0    38.0    28.0
 8    18.0    12.0     8.0     5.7
12     3.8     2.7     1.7      .8
16      .2      .0     0.0     0.0
20     0.0   378.0     0.0     0.0

from DH7L2D  17 -->
2006 DH7◀ -050 Z◀ OPR XTL H 6α10
+
 0-2152.0   207.0   161.0   115.0
 4    80.0    59.0    37.0    26.0
 8    19.0    12.0     8.0     5.1
12     3.6     2.8     1.6      .9
16      .2      .0     0.0     0.0
20     0.0   378.0     0.0     0.0

from DH7L2D  18 -->
2006 DH7◀ -040 Z◀ OPR XTL H 6α10
+
 0-2388.0   202.0   153.0   111.0
 4    79.0    56.0    36.0    26.0
 8    19.0    12.0     8.0     5.7
12     3.3     2.5     1.5      .5
16      .2      .0     0.0     0.0
20     0.0   378.0     0.0     0.0

from DH7L2D  19 -->
2006 DH7◀ -030 Z◀ OPR XTL H 6α10
+
 0-2596.0   190.0   149.0   106.0
 4    74.0    55.0    33.0    24.0
 8    18.0    11.0     7.0     4.5
12     3.2     2.5     1.6      .8
16      .2      .0     0.0     0.0
20     0.0   378.0     0.0     0.0

from DH7L2D  20 -->
2006 DH7◀ -020 Z◀ OPR XTL H 6α10
+
 0-2770.0   179.0   143.0   103.0
 4    72.0    50.0    33.0    23.0
 8    15.0    12.0     6.0     4.5
12     3.2     2.5     1.6      .8
16      .2      .0     0.0     0.0
20     0.0   378.0     0.0     0.0



Data file DH7L2D
LINE DH7    Z Component
ΔBZ/Δt nV/m²



   Channels      Scale

   1  to   4      300.00
   5  to   7      100.00
   8  to  10       30.00
  11  to  13       10.00
  14  to  16        3.00
  17  to  20        1.00
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          GSP37

  Geonics EM37 Data System
     HP85  /  July 1983
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RED37: GEONICS EM37/DAS40
   data reduction
     July 1983


from DH9L3D  1 -->
2106 DH9◀ -190 Z◀ OPR XTL H 6α10
+
 0   924.0   414.0  2985.0  196.0
 4   127.0    89.0    58.0   36.0
 8    26.0    15.0    10.0    7.8
12     4.4     2.7     1.7    1.0
16      .9      .5      .4     .2
20      .2   378.0     0.0    0.0

from DH9L3D  2 -->
2106 DH9◀ -180 Z◀ OPR XTL H 6α10
+
 0   909.0   428.0   293.0  195.0
 4   131.0    81.0    58.0   44.0
 8    24.0    16.0     9.0    8.1
12     4.5     2.6     2.0    1.2
16      .8      .5      .5     .3
20      .1   378.0     0.0    0.0

from DH9L3D  3 -->
2106 DH9◀ -170 Z◀ OPR XTL H 6α10
+
 0   807.0   420.0   299.0  199.0
 4   127.0    82.0    59.0   36.0
 8    29.0    16.0     9.0    7.3
12     4.4     2.2     1.8    1.0
16      .8      .5      .4     .2
20      .1   378.0     0.0    0.0

from DH9L3D  4 -->
2106 DH9◀ -160 Z◀ OPR XTL H 6α10
+
 0   636.0   409.0   300.0  195.0
 4   125.0    81.0    57.0   35.0
 8    24.0    15.0     9.0    6.3
12     4.4     2.8     2.0    1.2
16      .9      .7      .4     .3
20      .2   378.0     0.0    0.0

from DH9L3D  5 -->
2106 DH9◀ -150 Z◀ OPR XTL H 6α10
+
 0   420.0   411.0   290.0  191.0
 4   122.0    80.0    55.0   34.0
 8    24.0    14.0     9.0    7.0
12     4.2     2.6     1.8    1.0
16      .8      .6      .4     .2
20      .2   378.0     0.0    0.0

from DH9L3D  6 -->
2106 DH9◀ -140 Z◀ OPR XTL H 6α10
+
 0   284.0   410.0   283.0  187.0
 4   120.0    77.0    59.0   34.0
 8    23.0    14.0     9.0    6.7
12     3.9     2.3     1.6     .9
16      .8      .5      .4     .3
20      .2   378.0     0.0    0.0

from DH9L3D  7 -->
2106 DH9◀ -130 Z◀ OPR XTL H 6α10
+
 0   -97.0   404.0   281.0  183.0
 4   116.0    77.0    53.0   33.0
 8    23.0    13.0     9.0    6.7
12     3.9     2.6     1.8     .9
16      .8      .5      .4     .2
20      .1   378.0     0.0    0.0

from DH9L3D  8 -->
2106 DH9◀ -120 Z◀ OPR XTL H 6α10
+
 0  -368.0   390.0   280.0  182.0
 4   115.0    73.0    52.0   31.0
 8    21.0    13.0     8.0    6.0
12     3.9     2.5     1.7     .9
16      .8      .5      .6     .2
20      .2   378.0     0.0    0.0

from DH9L3D  9 -->
2106 DH9◀ -110 Z◀ OPR XTL H 6α10
+
 0  -725.0   381.0   276.0  179.0
 4   113.0    69.0    52.0   31.0
 8    20.0    13.0     2.0    6.0
12     3.9     2.5     1.7     .9
16      .7      .5      .4     .3
20      .2   378.0     0.0    0.0

from DH9L3D  10 -->
2106 DH9◀ -100 Z◀ OPR XTL H 6α10
+
 0-1168.0   349.0   266.0  174.0
 4   110.0    67.0    51.0   30.0
 8    19.0    13.0     7.0    6.3
12     3.7     2.4     1.6     .9
16      .8      .5      .4     .3
20      .2   378.0     0.0    0.0

from DH9L3D  11 -->
2106 DH9◀ -90  Z◀ OPR XTL H 6α10
+
 0-1714.0   379.0   255.0  170.0
 4   107.0    65.0    50.0   30.0
 8    18.0    13.0     7.0    6.5
12     3.5     2.1     1.7    1.3
16      .9      .7      .4     .4
20      .3   378.0     0.0    0.0

from DH9L3D  12 -->
2106 DH9◀ -80  Z◀ OPR XTL H 6α10
+
 0-2330.0   390.0   233.0  159.0
 4 [illegible]  71.0  45.0   30.0
 8    22.0    12.0     9.0    7.5
12     3.7     2.3     1.6    1.4
16     1.0      .7      .5     .3
20      .3   378.0     0.0    0.0

from DH9L3D  13 -->
2106 DH9◀ -70  Z◀ OPR XTL H 6α10
+
 0-2878.0   356.0   237.0  158.0
 4   100.0    59.0    46.0   28.0
 8    16.0    13.0     7.0    6.3
12     4.0     2.6     2.0    1.2
16      .9      .5      .7     .3
20      .4   378.0     0.0    0.0

from DH9L3D  14 -->
2106 DH9◀ -60  Z◀ OPR XTL H 6α10
+
 0-3272.0   355.0   216.0  148.0
 4    93.0    59.0    42.0   22.0
 8    16.0    13.0     2.0    6.6
12     3.8     2.5     2.0    1.1
16      .8      .6      .7     .4
20      .3   378.0     0.0    0.0

from DH9L3D  15 -->
2106 DH9◀ -50  Z◀ OPR XTL H 6α10
+
 0-3505.0   314.0   214.0  137.0
 4    84.0    55.0    37.0   22.0
 8    17.0     9.0     6.0    4.5
12     2.9     2.0     1.5     .9
16      .6      .4      .4     .2
20      .2   378.0     0.0    0.0

from DH9L3D  16 -->
2106 DH9◀ -40  Z◀ OPR XTL H 6α10
+
 0-3724.0   298.0   217.0  131.0
 4    81.0    52.0    35.0   20.0
 8    16.0     7.0     5.0    4.6
12     2.4     1.6     1.3     .9
16      .6      .5      .3     .3
20      .2   378.0     0.0    0.0

from DH9L3D  17 -->
2106 DH9◀ -30  Z◀ OPR XTL H 6α10
+
 0      .4   272.0   198.0  120.0
 4    71.0    47.0    30.0   17.0
 8    14.0     6.0     5.0    4.2
12     2.2     1.2     1.0     .7
16      .6      .4      .3     .2
20      .2   378.0     0.0    0.0

from DH9L3D  18 -->
2106 DH9◀ -20  Z◀ OPR XTL H 6α10
+
 0-3939.0   268.0   183.0  118.0
 4    71.0    37.0    32.0   17.0
 8     8.0     8.0     2.0    3.7
12     1.8     1.1      .8     .5
16      .4      .3      .3     .2
20      .2   378.0     0.0    0.0

from DH9L3D  19 -->
2106 DH9◀ -10  Z◀ OPR XTL H 6α10
+
 0-4001.0   242.0   182.0  109.0
 4    63.0    36.0    27.0   13.0
 8    10.0     5.0     2.0    2.2
12     1.5     1.1      .9     .4
16      .2      .2      .3     .2
20      .1   378.0     0.0    0.0
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          GSP37
  Geonics EM37 Data System
     HP85  /  July 1983
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RED37: GEONICS EM37/DAS40
   data reduction
     July 1983


from DH8L2D  1 -->
2006 DH8◄ -248 Z◄ OPR XTL H 6α10
+
 0   258.0   274.0   210.0   145.0
 4    98.0    69.0    41.0    28.0
 8    19.0    12.0     8.0     5.3
12     3.5     2.4     1.5      .9
16      .3     0.0     0.0     0.0
20     0.0   378.0     0.0     0.0

from DH8L2D  2 -->
2006 DH8◄ -240 Z◄ OPR XTL H 6α10
+
 0   251.0   285.0   209.0   147.0
 4    99.0    68.0    42.0    29.0
 8    18.0    12.0     8.0     5.5
12     3.6     2.4     1.6      .8
16      .3      .1     0.0     0.0
20     0.0   378.0     0.0     0.0

from DH8L2D  3 -->
2006 DH8◄ -230 Z◄ OPR XTL H 6α10
+
 0   219.0   281.0   212.0   147.0
 4    98.0    66.0    41.0    28.0
 8    18.0    12.0     7.0     5.1
12     3.5     2.5     1.5      .8
16      .2      .1     0.0     0.0
20     0.0   378.0     0.0     0.0

from DH8L2D  4 -->
2006 DH8◄ -220 Z◄ OPR XTL H 6α10
+
 0   205.0   280.0   211.0   143.0
 4    95.0    65.0    38.0    26.0
 8    17.0    11.0     7.0     4.6
12     2.9     2.1     1.9      .8
16      .1     0.0     0.0     0.0
20     0.0   378.0     0.0     0.0

from DH8L2D  5 -->
2006 DH8◄ -210 Z◄ OPR XTL H 6α10
+
 0    93.0   288.0   216.0   146.0
 4    95.0    64.0    37.0    25.0
 8    16.0    10.0     6.0     4.1
12     2.6     1.9     1.2      .6
16     0.0     0.0     0.0     0.0
20     0.0   378.0     0.0     0.0

from DH8L2D  6 -->
2006 DH8◄ -200 Z◄ OPR XTL H 6α10
+
 0    28.0   306.0   225.0   151.0
 4    98.0    64.0    38.0    25.0
 8    15.0    10.0     5.0     4.0
12     2.4     1.6      .6     0.0
16     0.0     0.0     -.1     -.1
20     0.0   378.0     0.0     0.0

from DH8L2D  7 -->
2006 DH8◄ -190 Z◄ OPR XTL H 6α10
+
 0   -45.0   299.0   218.0   146.0
 4    95.0    62.0    37.0    24.0
 8    15.0     9.0     5.0     3.7
12     2.4     1.7      .9      .6
16      .1     0.0     0.0     0.0
20     0.0   378.0     0.0     0.0

from DH8L2D  8 -->
2006 DH8◄ -180 Z◄ OPR XTL H 6α10
+
 0  -132.0   307.0   221.0   147.0
 4    95.0    65.0    37.0    24.0
 8    16.0    10.0     6.0     4.0
12     2.5     1.7     1.1      .5
16      .1     0.0     0.0     0.0
20     0.0   378.0     0.0     0.0

from DH8L2D  9 -->
2006 DH8◄ -170 Z◄ OPR XTL H 6α10
+
 0  -209.0   296.0   217.0   145.0
 4    94.0    63.0    37.0    24.0
 8    16.0    10.0     6.0     3.9
12     2.7     1.9     1.3      .7
16      .1     0.0     0.0     0.0
20     0.0   378.0     0.0     0.0

from DH8L2D  10 -->
2006 DH8◄ -160 Z◄ OPR XTL H 6α10
+
 0  -237.0   262.0   207.0   143.0
 4    95.0    59.0    39.0    24.0
 8    15.0    11.0     6.0     3.8
12     2.9     2.2     1.5      .7
16      .1     0.0     0.0     0.0
20     0.0   378.0     0.0     0.0

from DH8L2D  11 -->
2006 DH8◄ -150 Z◄ OPR XTL H 6α10
+
 0  -349.0   255.0   206.0   136.0
 4    90.0    58.0    36.0    23.0
 8    15.0     9.0     5.0     4.2
12     2.6     1.7     1.2      .5
16      .1     0.0     0.0     0.0
20     0.0   378.0     0.0     0.0

from DH8L2D  12 -->
2006 DH8◄ -145 Z◄ OPR XTL H 6α10
+
 0  -381.0   244.0   189.0   126.0
 4    83.0    59.0    33.0    27.0
 8    17.0     8.0     6.0     4.2
12     2.5     1.9     1.1      .3
16     0.0     0.0     -.1     -.1
20     -.2   378.0     0.0     0.0

from DH8L2D  13 -->
2006 DH8◄ -143 Z◄ OPR XTL H 6α10
+
 0  -400.0   246.0   180.0   120.0
 4    81.0    59.0    31.0    22.0
 8    16.0     8.0     6.0     3.0
12     2.0     1.1      .7     0.0
16     0.0     0.0     -.2     -.1
20     -.2   378.0     0.0     0.0

from DH8L2D  14 -->
2006 DH8◄ -141 Z◄ OPR XTL H 6α10
+
 0  -399.0   220.0   178.0   117.0
 4    77.0    55.0    30.0    20.0
 8    14.0     7.0     4.0     2.8
12     1.3      .8     0.0     -.5
16     0.0     -.1     -.3     -.3
20     -.3   378.0     0.0     0.0

from DH8L2D  15 -->
2006 DH8◄ -140 Z◄ OPR XTL H 6α10
+
 0  -380.0   184.0   162.0    94.0
 4    62.0    58.0    19.0    13.0
 8    12.0    -1.0     2.0    -1.4
12    -1.4    -1.4    -2.1    -2.8
16     -.8     -.8    -1.0    -1.2
20     -.9   378.0     0.0     0.0

from DH8L2D  16 -->
2006 DH8◄ -139 Z◄ OPR XTL H 6α10
+
 0  -410.0   195.0   165.0   106.0
 4    71.0    50.0    26.0    16.0
 8    11.0     3.0     2.0     3.8
12     -.7    -1.4    -2.7    -3.0
16     -.1     -.7    -1.0     -.7
20     -.9   378.0     0.0     0.0

from DH8L2D  17 -->
2006 DH8◄ -138 Z◄ OPR XTL H 6α10
+
 0  -426.0   221.0   169.0   112.0
 4    75.0    56.0    28.0    19.0
 8    15.0     5.0     4.0     1.8
12      .7      .1     -.5     -.9
16     -.1     -.2     -.6     -.5
20     -.4   378.0     0.0     0.0

from DH8L2D  18 -->
2006 DH8◄ -137 Z◄ OPR XTL H 6α10
+
 0  -447.0   227.0   183.0   121.0
 4    82.0    54.0    33.0    21.0
 8    13.0     8.0     4.0     3.6
12     1.9     1.1      .1     -.4
16     0.0     -.1     -.2     -.3
20     -.2   378.0     0.0     0.0

from DH8L2D  19 -->
2006 DH8◄ -135 Z◄ OPR XTL H 6α10
+
 0  -460.0   237.0   171.0   121.0
 4    82.0    57.0    34.0    22.0
 8    13.0    10.0     4.0     3.5
12     2.1     1.3      .4     -.4
16     0.0     -.2     -.1     -.2
20     -.2   378.0     0.0     0.0

from DH8L2D  20 -->
2006 DH8◄ -130 Z◄ OPR XTL H 6α10
+
 0  -523.0   239.0   174.0   119.0
 4    82.0    56.0    32.0    22.0
 8    13.0     9.0     5.0     4.8
12     2.0     1.1      .1     -.2
16     -.1     -.2     -.1     -.2
20     -.2   378.0     0.0     0.0

from DH8L2D  21 -->
2006 DH8◄ -120 Z◄ OPR XTL H 6α10
+
 0  -617.0   237.0   169.0   112.0
 4    75.0    62.0    28.0    21.0
 8    19.0     5.0     7.0     3.5
12     1.7      .7      .2     0.0
16     0.0     0.0     -.4     -.1
20     -.3   378.0     0.0     0.0

from DH8L2D  22 -->
2006 DH8◄ -110 Z◄ OPR XTL H 6α10
+
 0  -701.0   230.0   163.0   111.0
 4    75.0    58.0    29.0    21.0
 8    16.0     7.0     6.0     3.2
12     1.9     1.1      .5      .1
16     0.0     0.0     -.3     -.1
20     -.3   378.0     0.0     0.0

from DH8L2D  23 -->
2006 DH8◄ -100 Z◄ OPR XTL H 6α10
+
 0  -804.0   187.0   176.0   115.0
 4    78.0    46.0    33.0    19.0
 8    11.0     8.0     3.0     3.3
12     2.2     1.5      .6     0.0
16     0.0     0.0     0.0     -.1
20     -.1   378.0     0.0     0.0

from DH8L2D  24 -->
2006 DH8◄ -090 Z◄ OPR XTL H 6α10
+
 0  -913.0   201.0   157.0   103.0
 4    68.0    58.0    26.0    20.0
 8    17.0     5.0     6.0     4.0
12     2.0     1.2      .1     0.0
16      .1     0.0     -.1     -.2
20     -.2   378.0     0.0     0.0

from DH8L2D  25 -->
2006 DH8◄ -080 Z◄ OPR XTL H 6α10
+
 0-1020.0   164.0   166.0   102.0
 4    69.0    47.0    27.0    17.0
 8    12.0     6.0     3.0     2.6
12     1.6     1.0      .4     -.4
16     0.0     -.1     -.2     -.3
20     -.3   378.0     0.0     0.0

from DH8L2D  26 -->
2006 DH8◄ -070 Z◄ OPR XTL H 6α10
+
 0-1134.0   177.0   143.0    97.0
 4    69.0    41.0    29.0    18.0
 8     7.0     8.0     1.0     2.7
12     1.1      .8      .3     -.6
16     -.1     -.2     -.2     -.4
20     -.3   378.0     0.0     0.0

from DH8L2D  27 -->
2006 DH8◄ -060 Z◄ OPR XTL H 6α10
+
 0-1260.0   206.0   110.0    89.0
 4    64.0    47.0    25.0    19.0
 8    10.0     7.0     4.0     3.4
12      .7      .2     -.6    -1.0
16     0.0     -.3     -.4     -.3
20     -.4   378.0     0.0     0.0

from DH8L2D  28 -->
2006 DH8◄ -050 Z◄ OPR XTL H 6α10
+
 0-1392.0   171.0   125.0    84.0
 4    60.0    45.0    21.0    16.0
 8    11.0     2.0     2.0     1.0
12     -.1     -.5    -1.3    -1.7
16     -.1     -.5     -.6     -.6
20     -.6   378.0     0.0     0.0

from DH8L2D  29 -->
2006 DH8◄ -040 Z◄ OPR XTL H 6α10
+
 0-1526.0   146.0   128.0    80.0
 4    58.0    43.0    19.0    13.0
 8    11.0     2.0     2.0     1.0
12     -.1     -.5    -1.3    -1.7
16     -.1     -.5     -.6     -.6
20     -.6   378.0     0.0     0.0

from DH8L2D  30 -->
2006 DH8◄ -030 Z◄ OPR XTL H 6α10
+
 0-1662.0   129.0   124.0    79.0
 4    57.0    31.0    22.0    12.0
 8     2.0     5.0     0.0     1.0
12     0.0     -.5    -1.9    -3.0
16     -.2     -.9     -.7     -.7
20     -.8   378.0     0.0     0.0

from DH8L2D  31 -->
2006 DH8◄ -020 Z◄ OPR XTL H 6α10
+
 0-1805.0   138.0   109.0    73.0
 4    50.0    35.0    17.0    11.0
 8     6.0     0.0     0.0     0.0
12    -1.3    -1.6    -2.8    -3.4
16     -.5     -.9     -.9    -1.0
20    -1.0   378.0     0.0     0.0

from DH8L2D  32 -->
2006 DH8◄ -010 Z◄ OPR XTL H 6α10
+
 0-1939.0   129.0   107.0    68.0
 4    49.0    34.0    14.0     8.0
 8     4.0     0.0     0.0    -1.4
12    -2.6    -2.4    -3.3    -4.0
16     -.8    -1.0    -1.4    -1.2
20    -1.3   378.0     0.0     0.0
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from DH9L2D  1 -->
2006 DH9◀ -190 Z◀ OPR XTL H 6α10
+
 0  291.0  319.0  242.0  171.0
 4  118.0   83.0   53.0   37.0
 8   25.0   17.0   11.0    7.6
12    4.9    3.3    2.2    1.2
16     .4     .1     0.0    0.0
20    0.0  378.0    0.0    0.0

from DH9L2D  2 -->
2006 DH9◀ -180 Z◀ OPR XTL H 6α10
+
 0  106.0  320.0  243.0  171.0
 4  118.0   84.0   53.0   37.0
 8   25.0   17.0   11.0    7.6
12    5.0    3.3    2.1    1.1
16     .5     .1     0.0    0.0
20    0.0  378.0    0.0    0.0

from DH9L2D  3 -->
2006 DH9◀ -170 Z◀ OPR XTL H 6α10
+
 0  -46.0  315.0  238.0  168.0
 4  116.0   81.0   52.0   37.0
 8   25.0   16.0   10.0    7.5
12    5.0    3.3    2.1    1.1
16     .5     .2     0.0    0.0
20    0.0  378.0    0.0    0.0

from DH9L2D  4 -->
2006 DH9◀ -160 Z◀ OPR XTL H 6α10
+
 0 -103.0  317.0  240.0  168.0
 4  116.0   81.0   53.0   36.0
 8   25.0   16.0   10.0    7.5
12    4.9    3.3    2.1    1.2
16     .4     .1     0.0    0.0
20    0.0  378.0    0.0    0.0

from DH9L2D  5 -->
2006 DH9◀ -150 Z◀ OPR XTL H 6α10
+
 0 -253.0  308.0  233.0  163.0
 4  112.0   79.0   50.0   35.0
 8   24.0   16.0   10.0    7.3
12    4.8    3.2    2.1    1.1
16     .4     .1     0.0    0.0
20    0.0  378.0    0.0    0.0

from DH9L2D  6 -->
2006 DH9◀ -140 Z◀ OPR XTL H 6α10
+
 0 -383.0  299.0  225.0  157.0
 4  109.0   76.0   48.0   33.0
 8   22.0   15.0    9.0    6.8
12    4.6    3.1    2.0    1.0
16     .4     .1     0.0    0.0
20    0.0  378.0    0.0    0.0

from DH9L2D  7 -->
2006 DH9◀ -130 Z◀ OPR XTL H 6α10
+
 0 -644.0  290.0  218.0  153.0
 4  105.0   74.0   47.0   33.0
 8   22.0   15.0    9.0    6.8
12    4.4    3.1    2.0    1.0
16     .3     .1     0.0    0.0
20    0.0  378.0    0.0    0.0

from DH9L2D  8 -->
2006 DH9◀ -120 Z◀ OPR XTL H 6α10
+
 0 -752.0  289.0  218.0  153.0
 4  104.0   74.0   47.0   33.0
 8   22.0   15.0    9.0    6.8
12    4.3    3.0    1.9    1.0
16     .3     .1     0.0    0.0
20    0.0  378.0    0.0    0.0

from DH9L2D  9 -->
2006 DH9◀ -110 Z◀ OPR XTL H 6α10
+
 0 -933.0  279.0  210.0  148.0
 4  101.0   71.0   45.0   31.0
 8   21.0   14.0    9.0    6.3
12    4.2    2.8    1.7     .8
16     .3     0.0    0.0    0.0
20    0.0  378.0    0.0    0.0

from DH9L2D  10 -->
2006 DH9◀ -100 Z◀ OPR XTL H 6α10
+
 0-1131.0  270.0  203.0  142.0
 4   98.0   69.0   43.0   30.0
 8   20.0   13.0    8.0    6.2
12    4.0    2.6    1.5     .6
16     .3     0.0    0.0    0.0
20    0.0  378.0    0.0    0.0

from DH9L2D  11 -->
2006 DH9◀ -090 Z◀ OPR XTL H 6α10
+
 0-1348.0  260.0  196.0  138.0
 4   94.0   66.0   42.0   29.0
 8   19.0   13.0    8.0    5.7
12    3.6    2.5    1.3     .3
16     .2     0.0    0.0    -.1
20    -.1  378.0    0.0    0.0

from DH9L2D  12 -->
2006 DH9◀ -080 Z◀ OPR XTL H 6α10
+
 0-1598.0  251.0  191.0  132.0
 4   91.0   64.0   40.0   28.0
 8   18.0   12.0    7.0    5.4
12    3.2    2.1     .9    0.0
16    0.0    0.0    -.1    -.2
20    -.2  378.0    0.0    0.0

from DH9L2D  13 -->
2006 DH9◀ -070 Z◀ OPR XTL H 6α10
+
 0-1852.0  245.0  184.0  127.0
 4   88.0   61.0   38.0   26.0
 8   17.0   11.0    6.0    4.9
12    2.9    1.8     .8    0.0
16    0.0    0.0    -.1    -.2
20    -.3  378.0    0.0    0.0

from DH9L2D  14 -->
2006 DH9◀ -060 Z◀ OPR XTL H 6α10
+
 0-2101.0  232.0  176.0  122.0
 4   83.0   58.0   37.0   25.0
 8   16.0   10.0    6.0    4.7
12    2.7    1.6     .7    0.0
16    0.0    0.0    -.2    -.2
20    -.3  378.0    0.0    0.0

from DH9L2D  15 -->
2006 DH9◀ -050 Z◀ OPR XTL H 6α10
+
 0-2405.0  223.0  170.0  117.0
 4   80.0   57.0   35.0   25.0
 8   17.0   10.0    6.0    4.9
12    3.0    2.1    1.1     .3
16     .2     0.0    -.1    -.1
20    -.1  378.0    0.0    0.0

from DH9L2D  16 -->
2006 DH9◀ -040 Z◀ OPR XTL H 6α10
+
 0-2668.0  223.0  170.0  117.0
 4   80.0   57.0   34.0   24.0
 8   15.0   10.0    6.0    4.8
12    2.9    1.8    1.0     .2
16     .1     0.0    -.1    -.1
20    -.1  378.0    0.0    0.0

from DH9L2D  17 -->
2006 DH9◀ -030 Z◀ OPR XTL H 6α10
+
 0-2833.0  203.0  155.0  106.0
 4   73.0   51.0   32.0   22.0
 8   14.0   10.0    5.0    4.4
12    2.6    1.8     .8     .2
16     .1     0.0    -.1    -.2
20    -.1  378.0    0.0    0.0

from DH9L2D  18 -->
2006 DH9◀ -020 Z◀ OPR XTL H 6α10
+
 0-3048.0  200.0  151.0  104.0
 4   71.0   50.0   31.0   21.0
 8   14.0    8.0    5.0    4.2
12    2.4    1.7     .8     .1
16     .1     0.0    -.2    -.2
20    -.1  378.0    0.0    0.0

from DH9L2D  19 -->
2006 DH9◀ -010 Z◀ OPR XTL H 6α10
+
 0-3180.0  195.0  145.0   99.0
 4   69.0   47.0   30.0   20.0
 8   13.0    8.0    4.0    4.1
12    2.0    1.3     .5    0.0
16    0.0    0.0    -.2    -.2
20    -.2  378.0    0.0    0.0
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RED37: GEONICS EM37/DAS40
    data reduction
       July 1983
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from DH7L3D_201 -->
2106 DH74 -201  Z4 OPR XTL H 6a10
+
 0 -273.0   456.0   316.0   217.0
 4  193.0    94.0    64.0    41.0
 8   27.0    18.0    10.0     7.6
12    4.6     2.8     1.7     1.0
16     .8      .5      .3      .2
20     .2  378.0     0.0     0.0

from DH7L3D_2 -->
2106 DH74 -200  Z4 OPR XTL H 6a10
+
 0 -280.0   444.0   326.0   218.0
 4  142.0    94.0    63.0    40.0
 8   28.0    17.0    10.0     6.8
12    4.6     2.8     2.0     1.0
16     .7      .5      .4      .2
20     .2  378.0     0.0     0.0

from DH7L3D_3 -->
2106 DH74 -190  Z4 OPR XTL H 6a10
+
 0 -318.0   446.0   322.0   216.0
 4  141.0    92.0    63.0    39.0
 8   26.0    17.0    10.0     6.9
12    4.1     2.7     1.8     1.1
16     .7      .5      .4      .3
20     .2  378.0     0.0     0.0

from DH7L3D_4 -->
2106 DH74 -180  Z4 OPR XTL H 6a10
+
 0 -369.0   440.0   325.0   214.0
 4  140.0    91.0    62.0    38.0
 8   26.0    17.0    10.0     6.8
12    4.4     2.7     1.7     1.2
16     .8      .5      .4      .2
20     .1  378.0     0.0     0.0

from DH7L3D_5 -->
2106 DH74 -170  Z4 OPR XTL H 6a10
+
 0 -414.0   468.0   315.0   214.0
 4  140.0    93.0    62.0    40.0
 8   26.0    18.0    11.0     7.6
12    4.4     2.7     1.6     1.0
16     .8      .4      .5      .2
20     .2  378.0     0.0     0.0

from DH7L3D_6 -->
2106 DH74 -160  Z4 OPR XTL H 6a10
+
 0 -382.0   451.0   338.0   219.0
 4  140.0    92.0    61.0    38.0
 8   27.0    16.0    11.0     6.9
12    4.7     3.0     2.2     1.3
16     .8      .6      .7      .3
20     .3  378.0     0.0     0.0

from DH7L3D_7 -->
2106 DH74 -150  Z4 OPR XTL H 6a10
+
 0 -521.0   470.0   322.0   218.0
 4  141.0    89.0    61.0    40.0
 8   23.0    18.0    10.0     7.0
12    4.2     2.6     1.8     1.3
16     .9      .5      .3      .3
20     .1  378.0     0.0     0.0

from DH7L3D_8 -->
2106 DH74 -140  Z4 OPR XTL H 6a10
+
 0 -570.0   474.0   322.0   216.0
 4  140.0    89.0    60.0    38.0
 8   24.0    18.0    10.0     7.1
12    4.5     2.9     1.8     1.1
16     .8      .5      .4      .3
20     .3  378.0     0.0     0.0

from DH7L3D_9 -->
2106 DH74 -130  Z4 OPR XTL H 6a10
+
 0 -535.0   450.0   340.0   215.0
 4  136.0    89.0    57.0    35.0
 8   26.0    14.0    10.0     6.4
12    4.2     2.9     1.6     1.3
16     .6      .5      .4      .3
20     .1  378.0     0.0     0.0

from DH7L3D_10 -->
2106 DH74 -120  Z4 OPR XTL H 6a10
+
 0 -586.0   486.0   324.0   217.0
 4  138.0    86.0    59.0    38.0
 8   22.0    18.0     9.0     6.3
12    4.2     2.7     1.9     1.1
16     .7      .5      .5      .2
20     .3  378.0     0.0     0.0

from DH7L3D_11 -->
2106 DH74 -110  Z4 OPR XTL H 6a10
+
 0 -739.0   467.0   333.0   213.0
 4  135.0    88.0    56.0    35.0
 8   26.0    19.0    10.0     5.9
12    4.1     2.6     1.9     1.4
16     .7      .6      .3      .2
20     .2  378.0     0.0     0.0

from DH7L3D_12 -->
2106 DH74 -100  Z4 OPR XTL H 6a10
+
 0 -810.0   464.0   323.0   211.0
 4  134.0    84.0    57.0    35.0
 8   23.0    16.0     9.0     6.6
12    4.2     2.8     1.9     1.2
16     .7      .5      .4      .3
20     .2  378.0     0.0     0.0

from DH7L3D_13 -->
2106 DH74 -90  Z4 OPR XTL H 6a10
+
 0 -880.0   460.0   312.0   207.0
 4  131.0    83.0    55.0    35.0
 8   22.0    16.0     9.0     6.5
12    4.1     2.6     1.8     1.1
16     .7      .5      .4      .3
20     .2  378.0     0.0     0.0

from DH7L3D_14 -->
2106 DH74 -80  Z4 OPR XTL H 6a10
+
 0 -927.0   442.0   321.0   204.0
 4  130.0    81.0    55.0    33.0
 8   22.0    15.0     9.0     6.0
12    3.9     2.6     1.7     1.0
16     .6      .2      .3      .1
20     .1  378.0     0.0     0.0

from DH7L3D_15 -->
2106 DH74 -70  Z4 OPR XTL H 6a10
+
 0 -996.0   442.0   311.0   201.0
 4  127.0    83.0    52.0    34.0
 8   23.0    14.0     9.0     6.0
12    3.8     2.6     1.8     1.1
16     .7      .5      .4      .2
20     .2  378.0     0.0     0.0

from DH7L3D_16 -->
2106 DH74 -60  Z4 OPR XTL H 6a10
+
 0-1047.0   424.0   297.0   192.0
 4  122.0    81.0    51.0    33.0
 8   23.0    13.0     9.0     5.6
12    2.7     2.4     1.7     1.1
16     .7      .5      .3      .2
20     .2  378.0     0.0     0.0

from DH7L3D_17 -->
2106 DH74 -50  Z4 OPR XTL H 6a10
+
 0-1101.0   415.0   289.0   187.0
 4  119.0    80.0    50.0    32.0
 8   23.0    13.0     9.0     6.0
12    3.6     2.3     1.6     1.1
16     .7      .5      .3      .2
20     .2  378.0     0.0     0.0

from DH7L3D_18 -->
2106 DH74 -40  Z4 OPR XTL H 6a10
+
 0-1147.0   409.0   272.0   184.0
 4  119.0    77.0    50.0    32.0
 8   21.0    14.0     9.0     5.6
12    3.6     2.5     1.7     1.1
16     .7      .5      .4      .2
20     .2  378.0     0.0     0.0

from DH7L3D_19 -->
2106 DH74 -30  Z4 OPR XTL H 6a10
+
 0-1196.0   397.0   274.0   182.0
 4  117.0    75.0    51.0    31.0
 8   20.0    14.0     8.0     5.8
12    3.5     2.5     1.4     1.1
16     .7      .4      .3      .2
20     .1  378.0     0.0     0.0

from DH7L3D_20 -->
2106 DH74 -20  Z4 OPR XTL H 6a10
+
 0-1232.0   392.0   272.0   176.0
 4  112.0    79.0    48.0    31.0
 8   23.0    12.0    10.0     6.4
12    3.7     2.3     1.7     1.1
16     .8      .5      .4      .2
20     .1  378.0     0.0     0.0

from DH7L3D_21 -->
2106 DH74 -10  Z4 OPR XTL H 6a10
+
 0-1261.0   374.0   264.0   170.0
 4  109.0    77.0    46.0    30.0
 8   24.0    12.0    10.0     6.0
12    3.8     2.5     1.9     1.5
16     .8      .6      .4      .3
20     .1  378.0     0.0     0.0
```

```
****************************
         GSP37
  Geonics EM37 Data System
     HP85  /  July 1983
****************************


RED37: GEONICS EM37/DAS40
   data reduction
     July 1983


from DH8L3D  1 -->
2106 DH8◄ -247 Z◄ OPR XTL H 6α10
+
 0   633.0   530.0   365.0   226.0
 4   139.0    87.0    59.0    35.0
 8    23.0    13.0     8.0     5.8
12     3.4     2.0     1.4      .7
16      .5      .4      .2      .2
20      .2   378.0     0.0     0.0

from DH8L3D  2 -->
2106 DH8◄ -240 Z◄ OPR XTL H 6α10
+
 0   627.0   553.0   371.0   231.0
 4   140.0    87.0    59.0    35.0
 8    23.0    13.0     7.0     6.0
12     3.5     2.0     1.4      .7
16      .8      .5      .4      .2
20      .2   378.0     0.0     0.0

from DH8L3D  3 -->
2106 DH8◄ -230 Z◄ OPR XTL H 6α10
+
 0   575.0   566.0   374.0   251.0
 4   140.0    85.0    59.0    34.0
 8    21.0    13.0     7.0     5.5
12     3.2     1.9     1.2      .6
16      .7      .5      .4      .2
20      .1   378.0     0.0     0.0

from DH8L3D  4 -->
2106 DH8◄ -220 Z◄ OPR XTL H 6α10
+
 0   510.0   582.0   380.0   233.0
 4   139.0    89.0    57.0    33.0
 8    21.0    12.0     8.0     5.4
12     2.9     1.7     1.1      .6
16      .6      .4      .3      .2
20      .1   378.0     0.0     0.0

from DH8L3D  5 -->
2106 DH8◄ -210 Z◄ OPR XTL H 6α10
+
 0   315.0   589.0   382.0   229.0
 4   135.0    81.0    56.0    31.0
 8    19.0    11.0     6.0     4.9
12     2.5     1.4      .9      .6
16      .6      .6      .3      .2
20      .1   378.0     0.0     0.0

from DH8L3D  6 -->
2106 DH8◄ -200 Z◄ OPR XTL H 6α10
+
 0   290.0   590.0   380.0   230.0
 4   134.0    79.0    53.0    30.0
 8    18.0    11.0     6.0     4.9
12     2.5     1.4      .9      .3
16      .3      .3      .3      .1
20      .1   378.0     0.0     0.0

from DH8L3D  7 -->
2106 DH8◄ -190 Z◄ OPR XTL H 6α10
+
 0    35.0   578.0   378.0   227.0
 4   134.0    82.0    53.0    30.0
 8    20.0    11.0     6.0     4.7
12     2.4     1.4     1.0      .5
16      .6      .4      .3      .2
20      .1   378.0     0.0     0.0

from DH8L3D  8 -->
2106 DH8◄ -180 Z◄ OPR XTL H 6α10
+
 0   119.0   566.0   368.0   223.0
 4   137.0    79.0    52.0    30.0
 8    19.0    11.0     6.0     5.0
12     2.6     1.4      .9      .5
16      .6      .4      .3      .2
20      .1   378.0     0.0     0.0

from DH8L3D  9 -->
2106 DH8◄ -170 Z◄ OPR XTL H 6α10
+
 0   106.0   555.0   335.0   218.0
 4   129.0    76.0    53.0    30.0
 8    18.0    12.0     6.0     4.8
12     2.8     1.6     1.0      .6
16      .6      .4      .3      .2
20      .1   378.0     0.0     0.0

from DH8L3D  10 -->
2106 DH8◄ -160 Z◄ OPR XTL H 6α10
+
 0  -267.0   534.0   350.0   210.0
 4   124.0    78.0    50.0    29.0
 8    20.0    10.0     6.0     5.3
12     2.5     2.5     1.0      .6
16      .6      .4      .3      .2
20      .1   378.0     0.0     0.0

from DH8L3D  11 -->
2106 DH8◄ -150 Z◄ OPR XTL H 6α10
+
 0  -539.0   524.0   336.0   207.0
 4   124.0    74.0    51.0    30.0
 8    18.0    12.0     6.0     5.5
12     3.1     1.8     1.1      .6
16      .8      .5      .3      .2
20      .1   378.0     0.0     0.0

from DH8L3D  12 -->
2106 DH8◄ -147 Z◄ OPR XTL H 6α10
+
 0  -562.0   493.0   335.0   200.0
 4   118.0    79.0    49.0    28.0
 8    20.0    10.0     6.0     4.1
12     2.9     1.8     1.6     1.3
16      .7      .6      .4      .3
20      .2   378.0     0.0     0.0

from DH8L3D  13 -->
2106 DH8◄ -145 Z◄ OPR XTL H 6α10
+
 0  -616.0   507.0   311.0   197.0
 4   118.0    75.0    50.0    30.0
 8    19.0    12.0     8.0     5.4
12     3.4     2.2     1.6     1.2
16      .9      .5      .5      .5
20      .3   378.0     0.0     0.0

from DH8L3D  14 -->
2106 DH8◄ -142 Z◄ OPR XTL H 6α10
+
 0  -649.0   493.0   308.0   193.0
 4   116.0    75.0    51.0    32.0
 8    21.0    14.0     8.0     7.3
12     4.5     3.2     2.9     2.2
16     1.1      .7     1.0      .5
20      .6   378.0     0.0     0.0

from DH8L3D  15 -->
2106 DH8◄ -140 Z◄ OPR XTL H 6α10
+
 0  -687.0   499.0   293.0   188.0
 4   116.0    78.0    51.0    34.0
 8    25.0    15.0    11.0     8.4
12     6.1     4.4     4.3     3.7
16     1.4     1.3     1.2     1.1
20     1.0   378.0     0.0     0.0

from DH8L3D  16 -->
2106 DH8◄ -130 Z◄ OPR XTL H 6α10
+
 0   917.0   488.0   290.0   189.0
 4   115.0    70.0    50.0    31.0
 8    18.0    13.0     7.0     6.0
12     3.7     2.3     1.9     1.6
16      .8      .7      .5      .4
20      .3   378.0     0.0     0.0

from DH8L3D  17 -->
2106 DH8◄ -120 Z◄ OPR XTL H 6α10
+
 0-1147.0   441.0   297.0   182.0
 4   108.0    71.0    46.0    28.0
 8    21.0    10.0     8.0     6.2
12     3.9     2.6     2.2     1.6
16      .9      .7      .7      .6
20      .4   378.0     0.0     0.0

from DH8L3D  18 -->
2106 DH8◄ -100 Z◄ OPR XTL H 6α10
+
 0-1678.0   421.0   260.0   167.0
 4   103.0    67.0    44.0    28.0
 8    19.0    11.0     7.0     5.7
12     3.7     2.2     1.8     1.2
16      .8      .6      .5      .4
20      .3   378.0     0.0     0.0

from DH8L3D  19 -->
2106 DH8◄ -80  Z◄ OPR XTL H 6α10
+
 0-2250.0   365.0   250.0   158.0
 4    98.0    57.0    45.0    26.0
 8    16.0    12.0     6.0     5.7
12     3.8     2.7     2.3     1.5
16      .9      .7      .5      .4
20      .5   378.0     0.0     0.0

from DH8L3D  20 -->
2106 DH8◄ -60  Z◄ OPR XTL H 6α10
+
 0-2752.0   342.0   226.0   146.0
 4    91.0    56.0    43.0    26.0
 8    16.0    13.0     7.0     5.8
12     4.0     3.1     2.9     2.3
16     1.0      .8     1.0      .5
20      .7   378.0     0.0     0.0

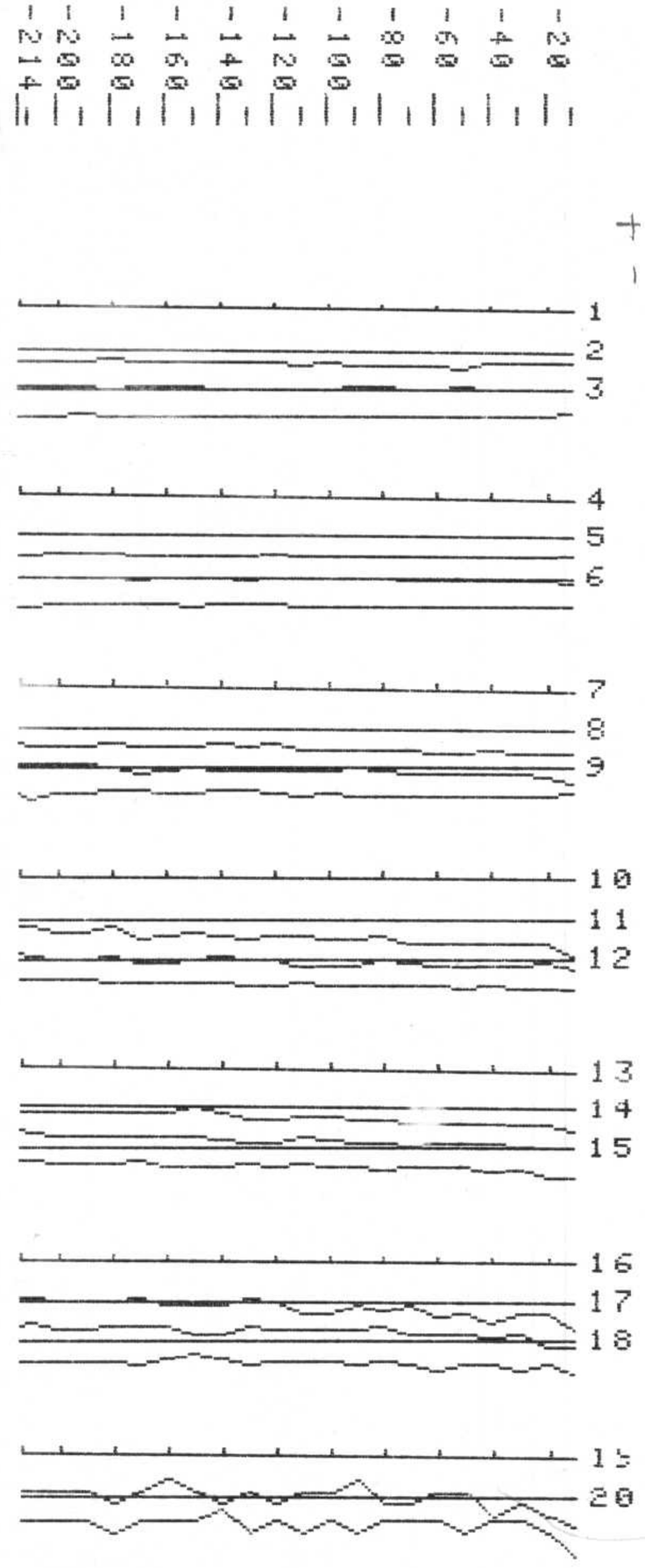
from DH8L3D  21 -->
2106 DH8◄ -40  Z◄ OPR XTL H 6α10
+
 0-3067.0   338.0   187.0   136.0
 4    85.0    54.0    42.0    28.0
 8    14.0    15.0     8.0     8.0
12     4.2     3.1     3.3     2.9
16     1.4      .9     1.0      .8
20      .8   378.0     0.0     0.0

from DH8L3D  22 -->
2106 DH8◄ -20  Z◄ OPR XTL H 6α10
+
 0-3231.0   270.0   200.0   127.0
 4    79.0    54.0    38.0    25.0
 8    20.0    12.0    10.0     6.6
12     5.7     4.3     5.0     4.7
16     1.5     1.3     1.6     1.0
20     1.2   378.0     0.0     0.0

from DH8L3D  23 -->
2106 DH8◄ -10  Z◄ OPR XTL H 6α10
+
 0-3272.0   238.0   212.0   120.0
 4    73.0    54.0    36.0    23.0
 8    23.0    10.0    20.0     4.5
12     6.2     5.3     6.1     5.4
16     1.4     1.4     1.7     1.3
20     1.4   378.0     0.0     0.0
```

Data file DHZL1D
LINE DH7 Z Component
ΔBZ/Δt nV/m²

Channels			Scale
1	to	3	1000.00
4	to	6	300.00
7	to	9	100.00
10	to	12	30.00
13	to	15	10.00
16	to	18	3.00
19	to	20	1.00



opposite sign

Data file DH8L1D
LINE DH8 Z Component
ΔBZ/Δt nV/m²

Channels			Scale
1	to	3	1000.00
4	to	6	300.00
7	to	9	100.00
10	to	12	30.00
13	to	15	10.00

020 040 060 080 100 120 140 160 180 200 220 240

off-time

broad

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

andesite flow and tuff

intermed. tuff felsic tuff and lapilli-tuff

chert

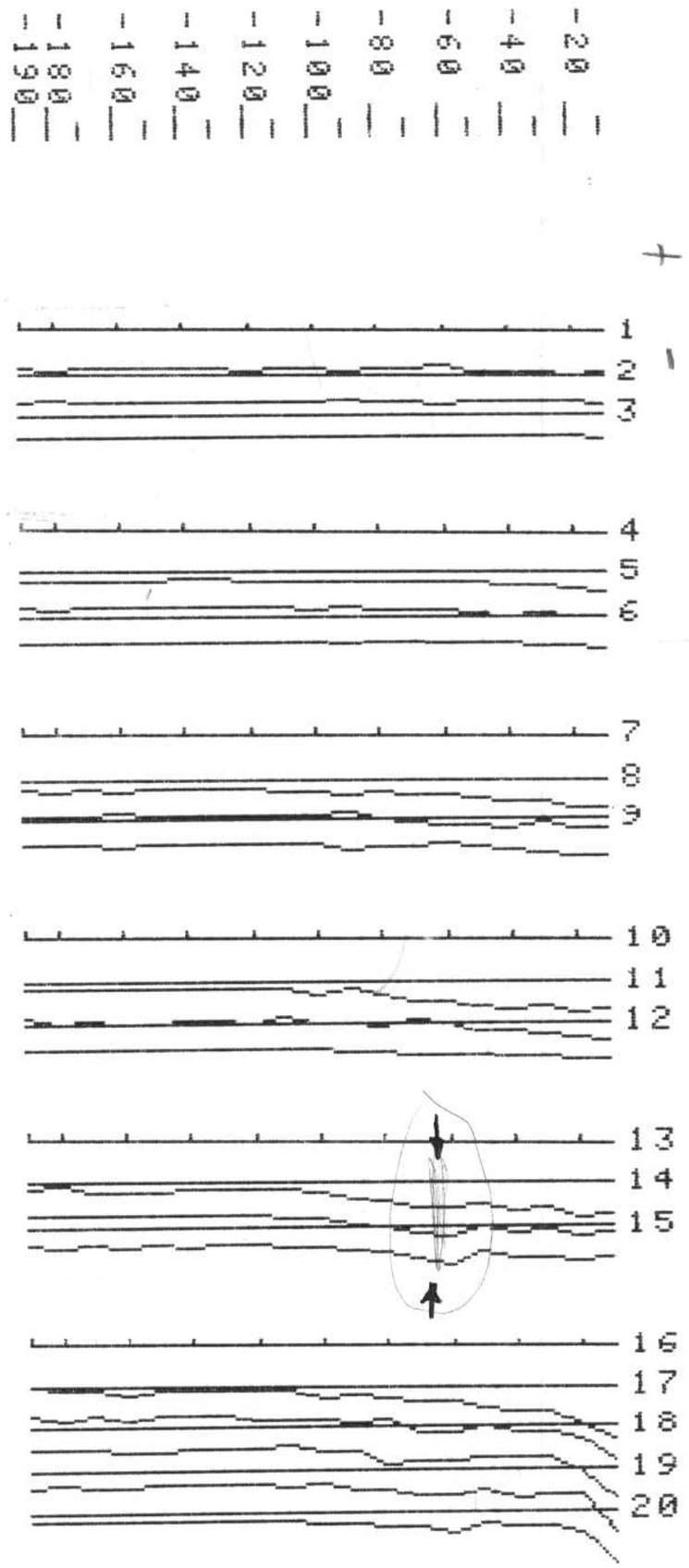
felsic tuff

chloritic felsic lapilli-tuff

qtz eye felsic tuff

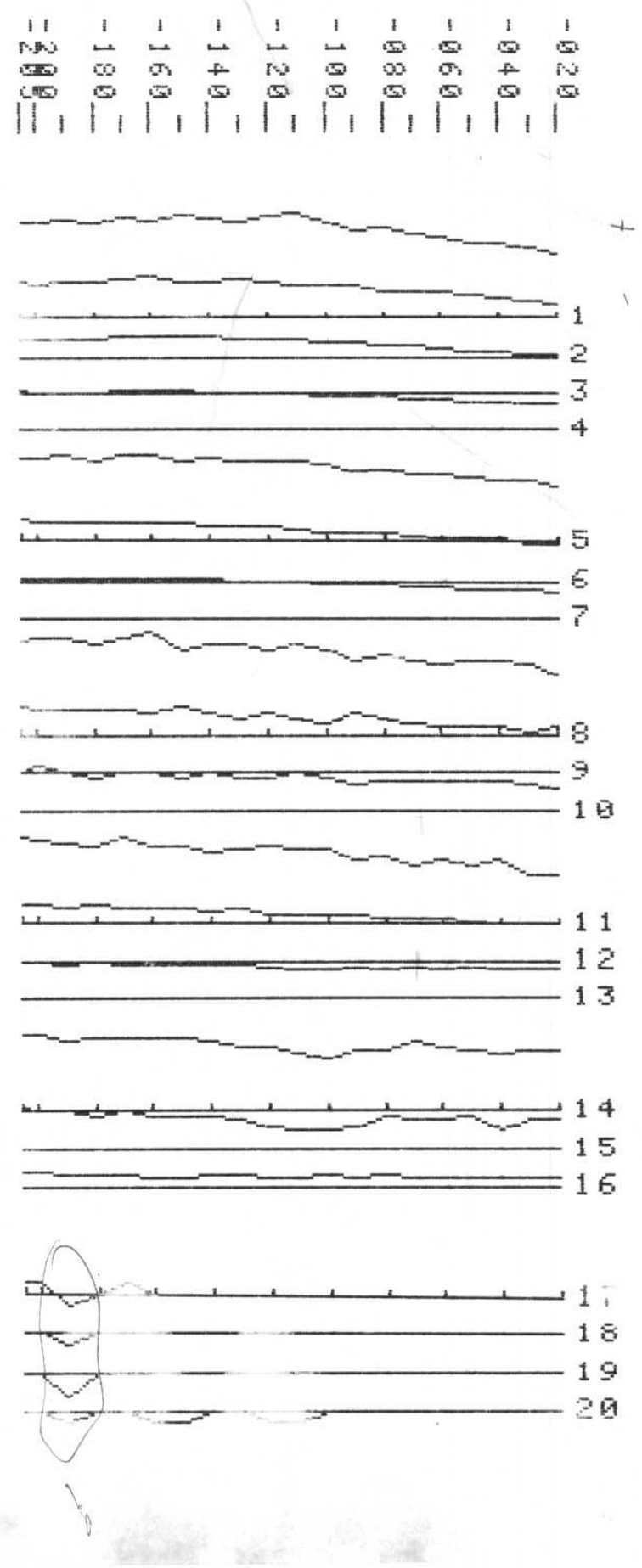
Data file DH9L1D
LINE DH9 Z Component
ΔBZ/Δt nV/m²

Channels			Scale
1	to	3	1000.00
4	to	6	300.00
7	to	9	100.00
10	to	12	30.00
13	to	15	10.00
16	to	20	3.00



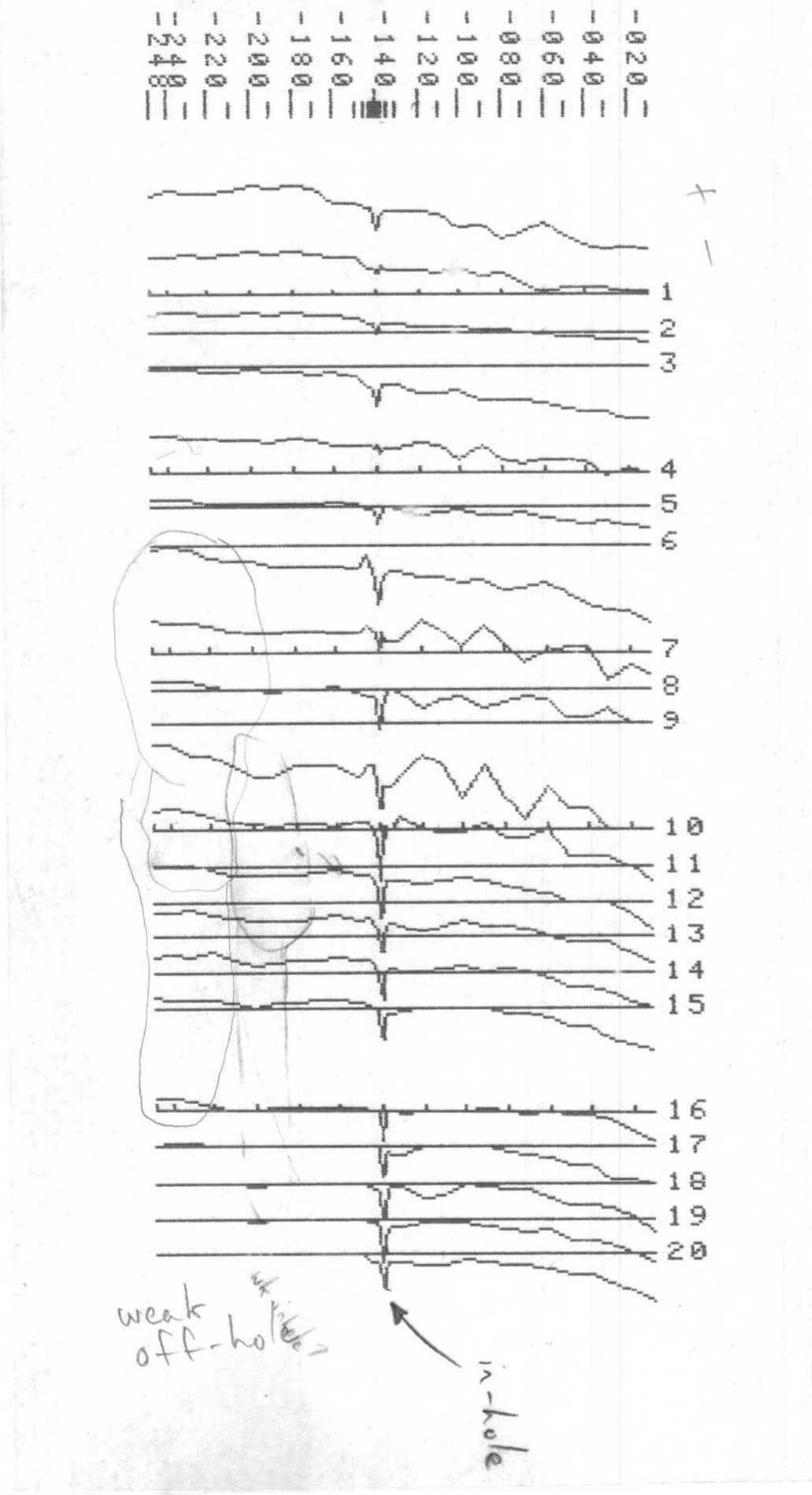
Data file DH7L2D
LINE DH7 Z Component
ΔBZ/Δt nV/m²

Channels			Scale
1	to	4	300.00
5	to	7	100.00
8	to	10	30.00
11	to	13	10.00
14	to	16	3.00
17	to	20	1.00



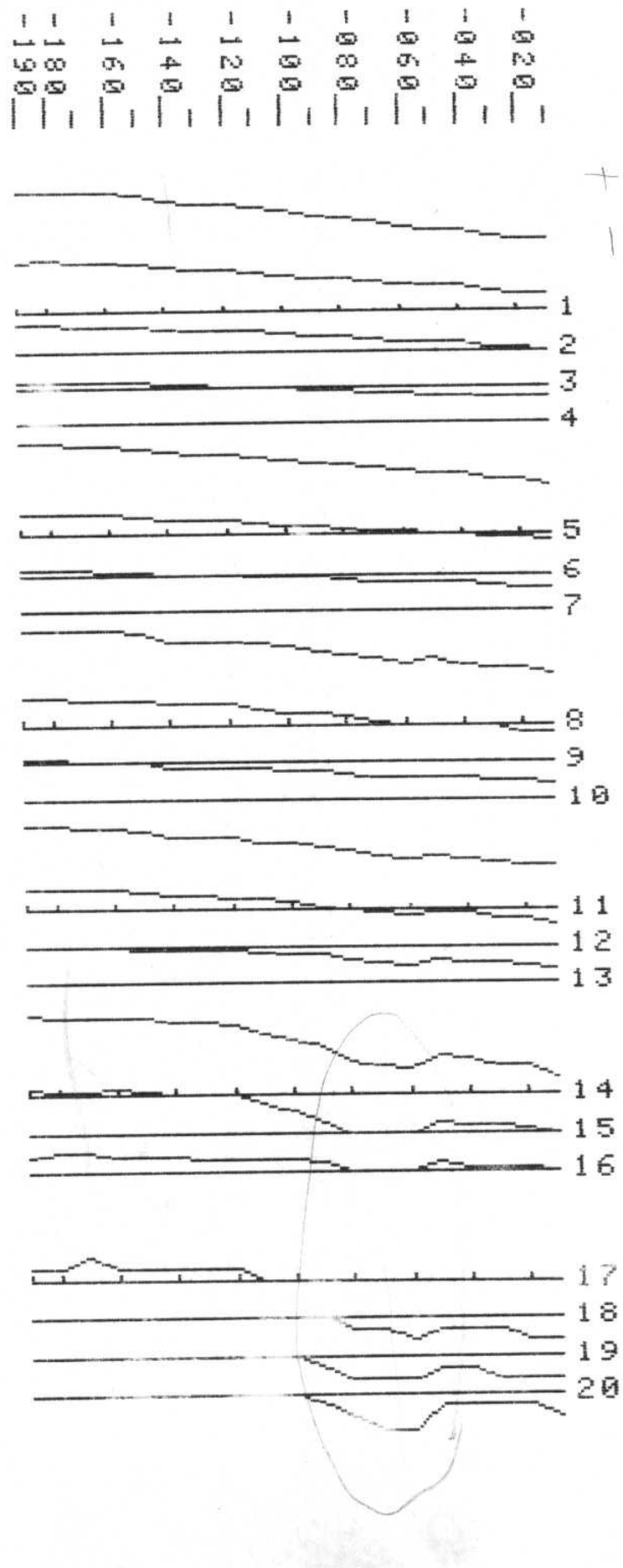
Data file DH8L2D
LINE DH8 Z Component
ΔBZ/Δt nV/m²

Channels			Scale
1	to	3	300.00
4	to	6	100.00
7	to	9	30.00
10	to	15	10.00
16	to	20	3.00



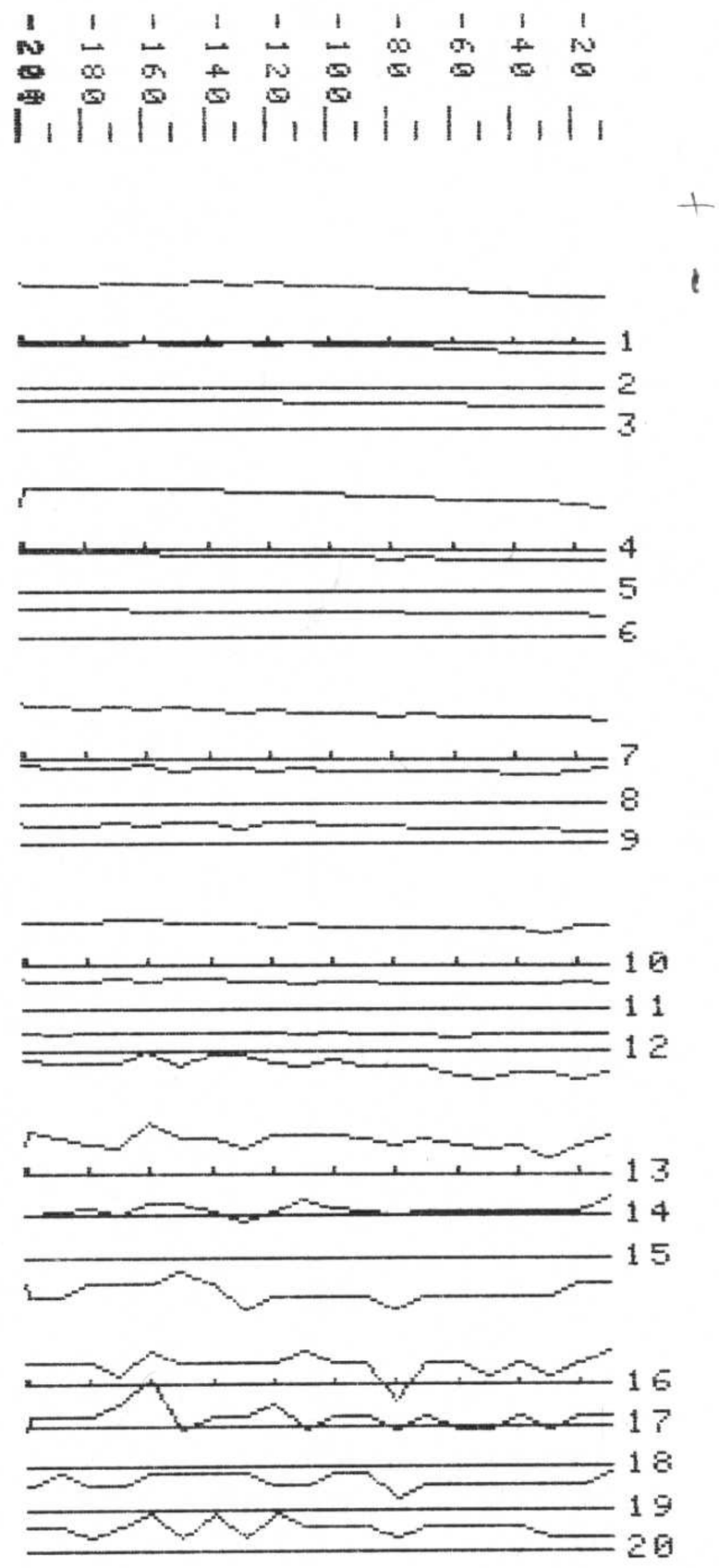
Data file DH9Lap
LINE DH9 Z Component
ΔBZ/Δt nV/m²

Channels			Scale
1	to	4	300.00
5	to	7	100.00
8	to	10	30.00
11	to	13	10.00
14	to	16	3.00
17	to	20	1.00



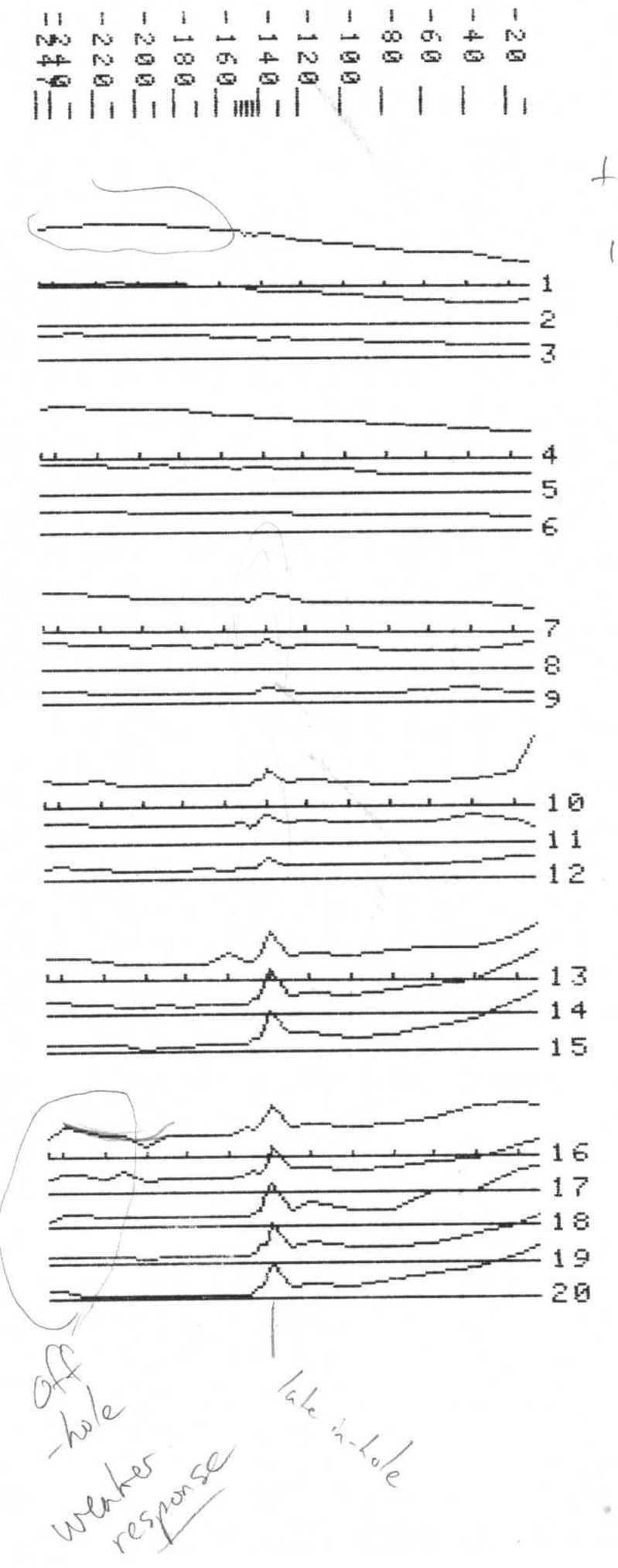
Data file DH7L3D
LINE DH7 Z Component
ΔBZ/Δt nV/m²

Channels			Scale
1	to	3	1000.00
4	to	6	300.00
7	to	9	100.00
10	to	12	30.00
13	to	15	3.00
16	to	20	1.00



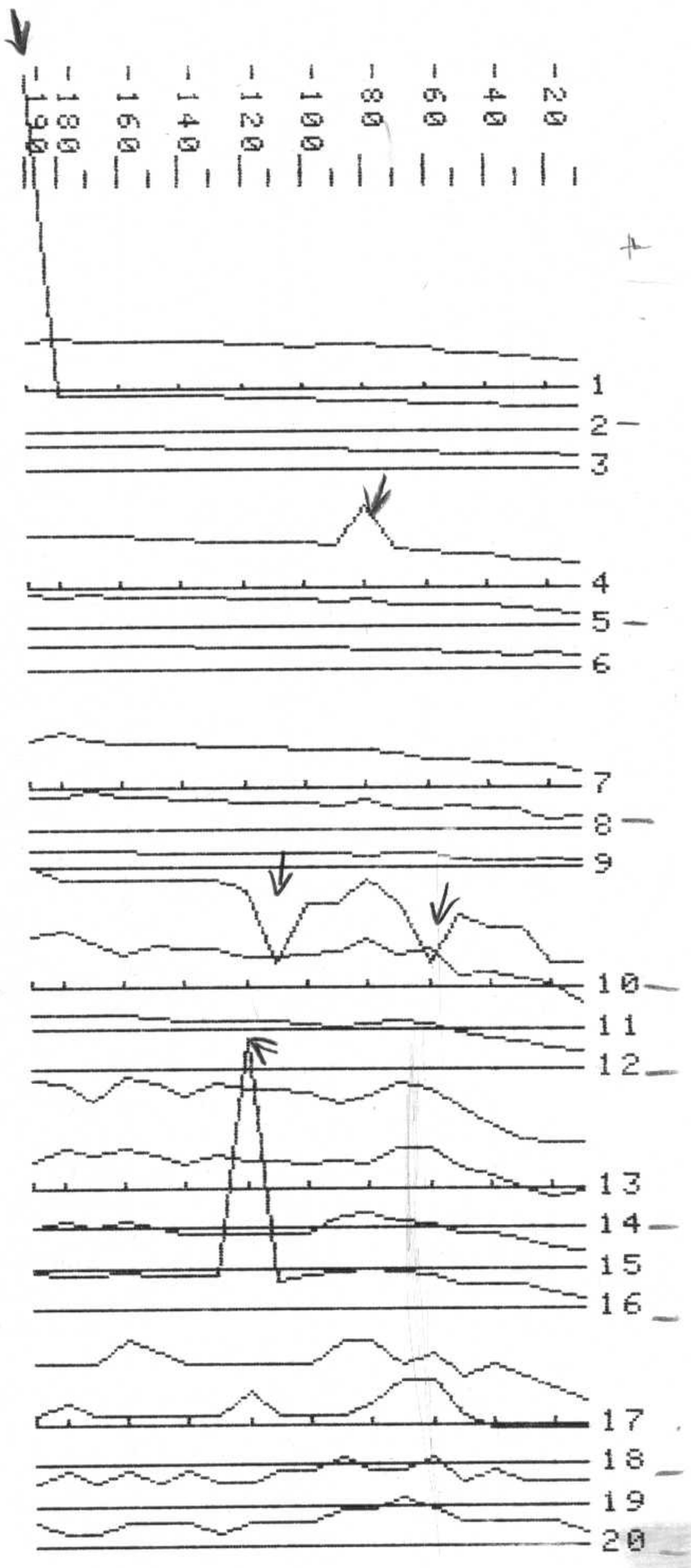
Data file DH8L3D
LINE DH8 Z Component
ΔBZ/Δt nV/m²

Channels			Scale
1	to	3	1000.00
4	to	6	300.00
7	to	9	100.00
10	to	12	30.00
13	to	15	10.00
16	to	20	3.00



Data file DH9L3D
LINE DH9 Z Component
ΔBZ/Δt nV/m²

Channels			Scale
1	to	3	1000.00
4	to	6	300.00
7	to	9	100.00
10	to	12	10.00
13	to	16	3.00
17	to	20	1.00

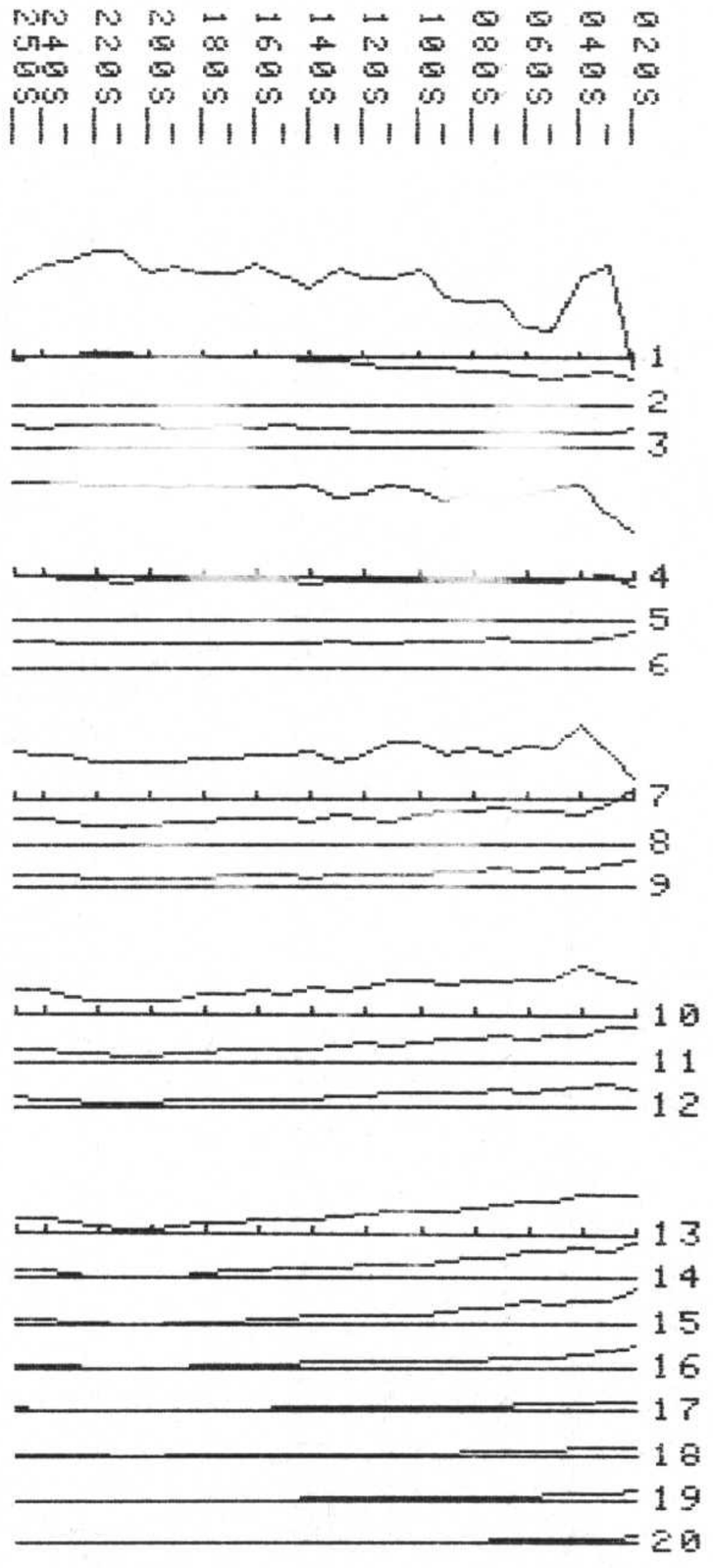


Noisy ?

RED37: GEONICS EM37/DAS40
data reduction
July 1983

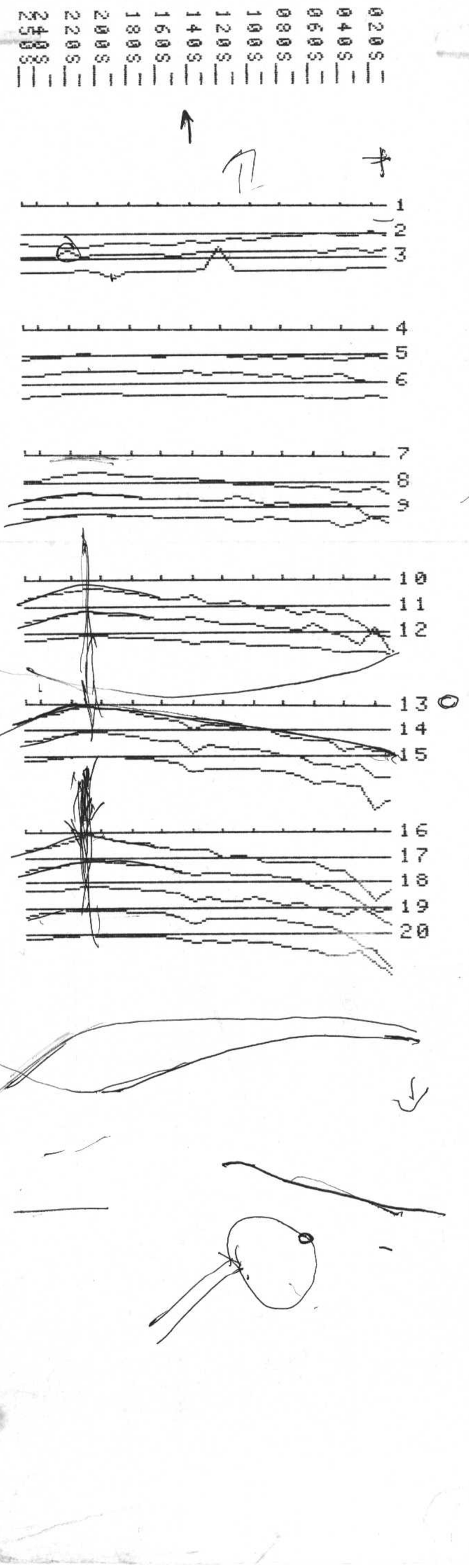
Data file DH8L1R
LINE DH8 Z Component
dBZ/dT (nV/Am²); TOFF corrected

Channels			Scale
1	to	3	300.00
4	to	6	30.00
7	to	9	10.00
10	to	12	3.00
13	to	20	1.00



Data file DH8L1D
LINE DH8 Z Component
ΔBZ/Δt nV/m²

Channels			Scale
1	to	3	1000.00
4	to	6	300.00
7	to	9	100.00
10	to	12	30.00
13	to	15	10.00
16	to	20	3.00



GEONICS PLATE SIMULATION PROGRAM
April 1983

PLATE:

STRike			20
DIP			90
PLUnge			0
LENgth			100
DEPth			100
POSition	0	0	-50
CONduct*thick			10

TRANSMITTER

TXXdim			300
TXYdim			600
TXAngle			0
TXCurrent			20
TXFreq			30
TXTurnoff			.0003
TXPosition	-600	0	0

RECEIVER

RXGain# (7.58 for nV/m²)
6
RXTime gate .0001
PATh limits -250 0 0
250 0 0

PLATE:

STRike			90
DIP			65
PLUnge			0
LENgth			100
DEPth			200
POSition	0	50	-150
CONduct*thick			2

TRANSMITTER

TXXdim			400
TXYdim			400
TXAngle			0
TXCurrent			20
TXFreq			30
TXTurnoff			.0003
TXPosition	200	150	0

RECEIVER

RXGain# (7.58 for nV/m²)
6
RXTime gate .0001
PATh limits 150 210 0
150 210 -250

COUPLING: 1.17E+01
TIME CONST: 3.01E-05

GRID SPACING:

Z intersects (m)-10
along path (m) 10

Field .. (mV) 1.00E-01

Component: X-dot Y-dash Z-solid