

CORPORATION FALCONBRIDGE COPPER

MEMORANDUM

DATE: February 25, 1986
TO: A. J. Davidson
COPIES TO:
DE FROM: D. V. Lefebure
SUJET SUBJECT: February 1986 PEM Survey, Mt. Sicker Property

827631
92B/13

Rick Kurtz of Crone Geophysics completed borehole surveys of MTS 8, MTS 11, MTS 12 and MTS 15 on the Mt. Sicker Property. He arrived on February 10th and dropped off the equipment in Vancouver on February 21st. Holes MTS 13 and MTS 16 were not surveyed because the former hole was blocked at 85m and the latter is too short to provide useful data. A snow storm on February 15th delayed the survey and made it impossible to survey MTS 14.

The results of the surveys are appended to this memo. For each survey there are the following:

- i) plot of 8 channels on a log-linear scale at 1:1,000 scale;
- ii) plot of 8 channels on a linear scale at 1:1,000 scale;
- iii) plot of primary pulse at 1:1,000 scale;
- and iv) data listings.

The only significant anomaly is located at 180m in MTS 11. This three channel off-hole anomaly indicates a weak conductor less than 50m(?) from the hole and can be seen for both the collar and north loops. The other loops were not laid because no anomaly was noticed during the survey of the hole.

A weak off-hole anomaly from 190-250m in MTS 8 may correlate with the EM 37 borehole anomaly noted in the same hole. The very weak PEM response indicates the anomaly is not important.

D. V. Lefebure

DVL/ik

CRONE DATALOGGER PROCESSING
BOREHOLE PEM

User: Crone Geophysics Ltd.

Client
C.F.C.

File
e:hms8c

Grid
Mt-Sicker

Hole
MTS-8

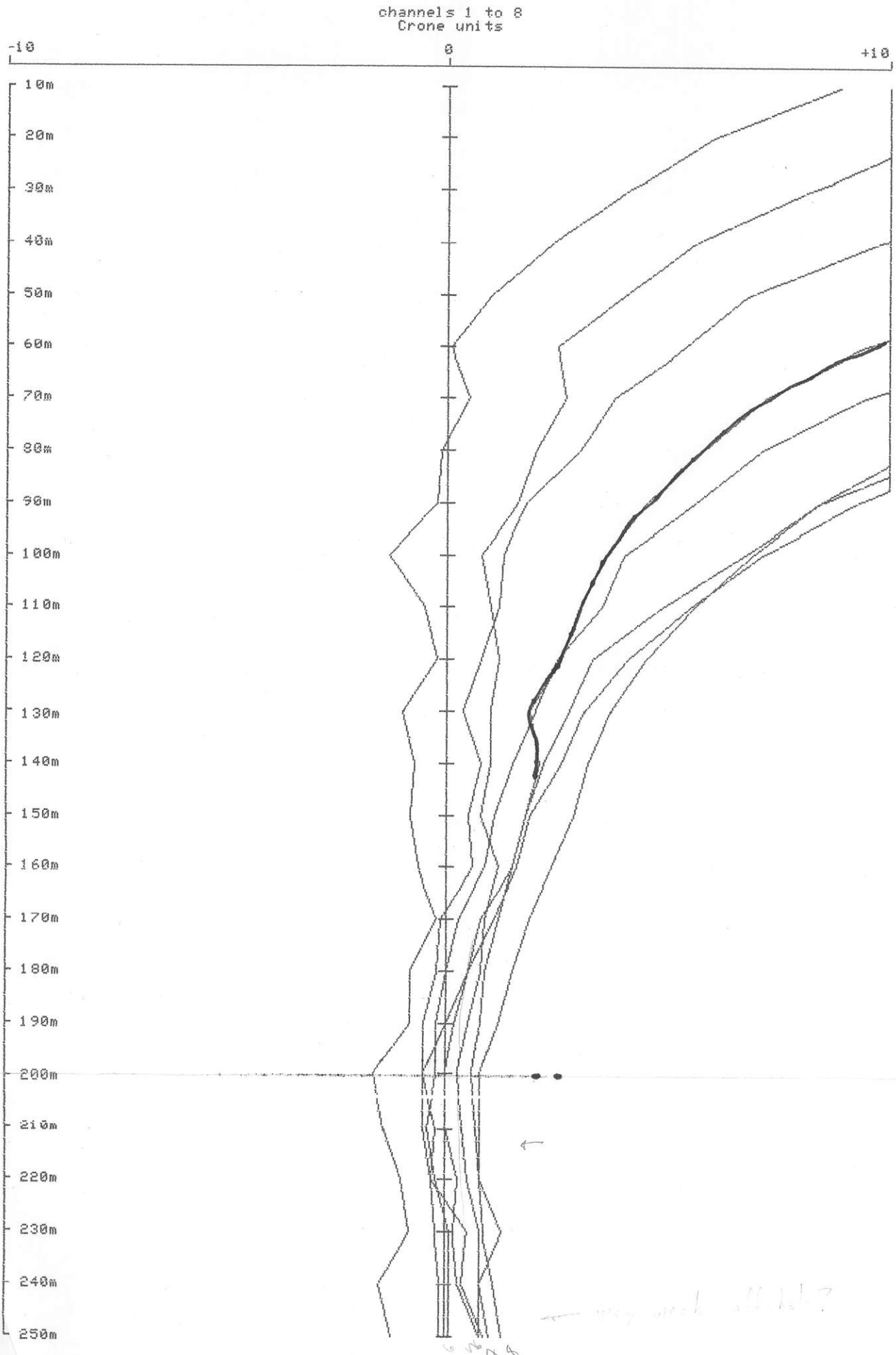
Tx Loop
C

Time base: 10ms
Ramp time: 1.5ms

ZTS: 638
Gain: 250

Date: 13/02/86

Scale: 1:1000



CRONE DATALOGGER PROCESSING
BOREHOLE PEM

User: Crone Geophysics Ltd.

Client
C.F.C.

File
e:hms8c

Grid
Mt-Sicker

Hole
MTS-8

Tx Loop
C

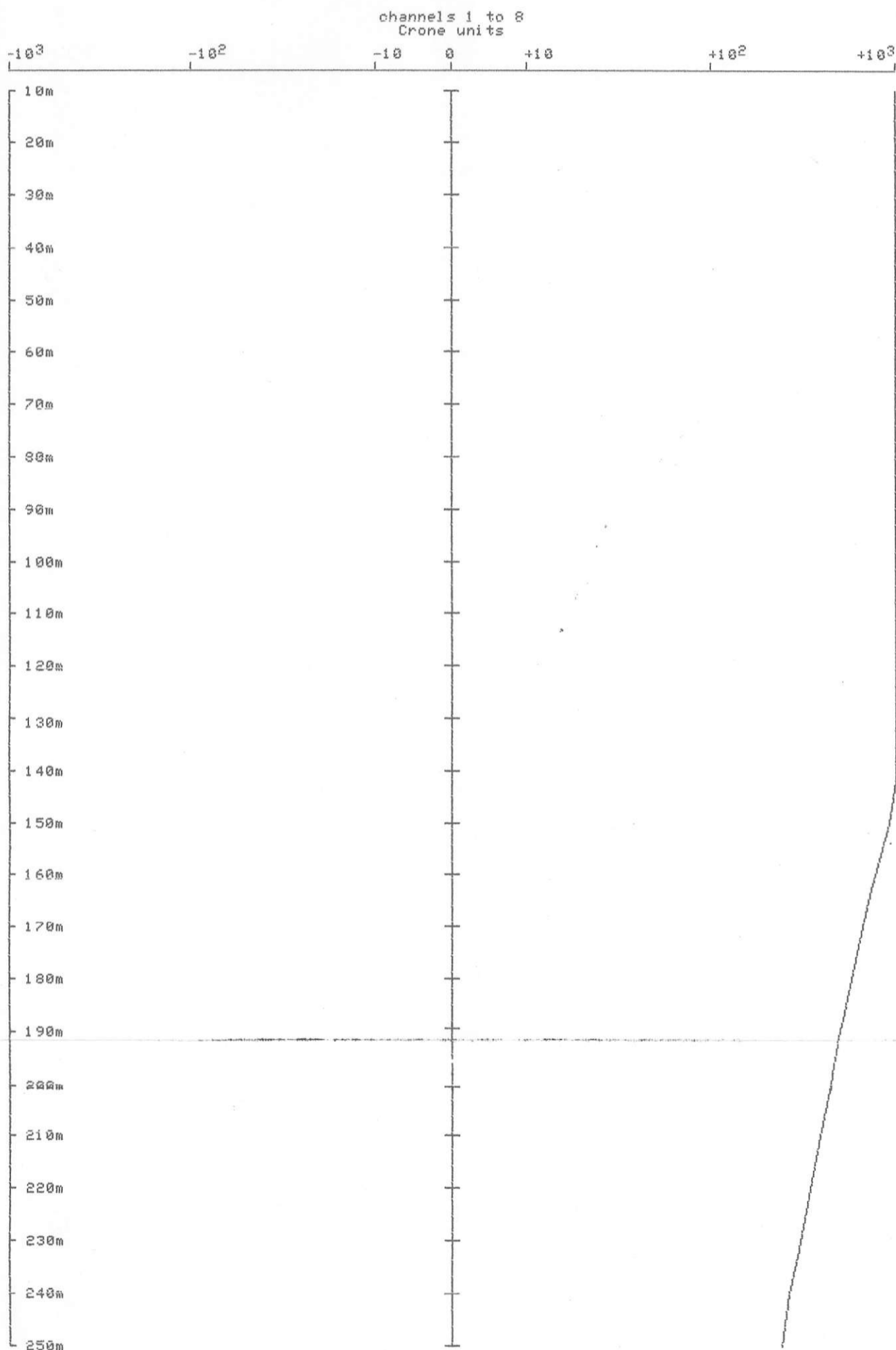
Time base: 10ms
Ramp time: 1.5ms

ZTS: 638
Gain: 250

Date: 13/02/86

Scale: 1:1000

PRIMARY PULSE



CRONE DATALOGGER PROCESSING
BOREHOLE PEM

User: Crone Geophysics Ltd.

Client
C.F.C.

File
E:HMS8N

Grid
Mt-Sicker

Hole
MTS-8

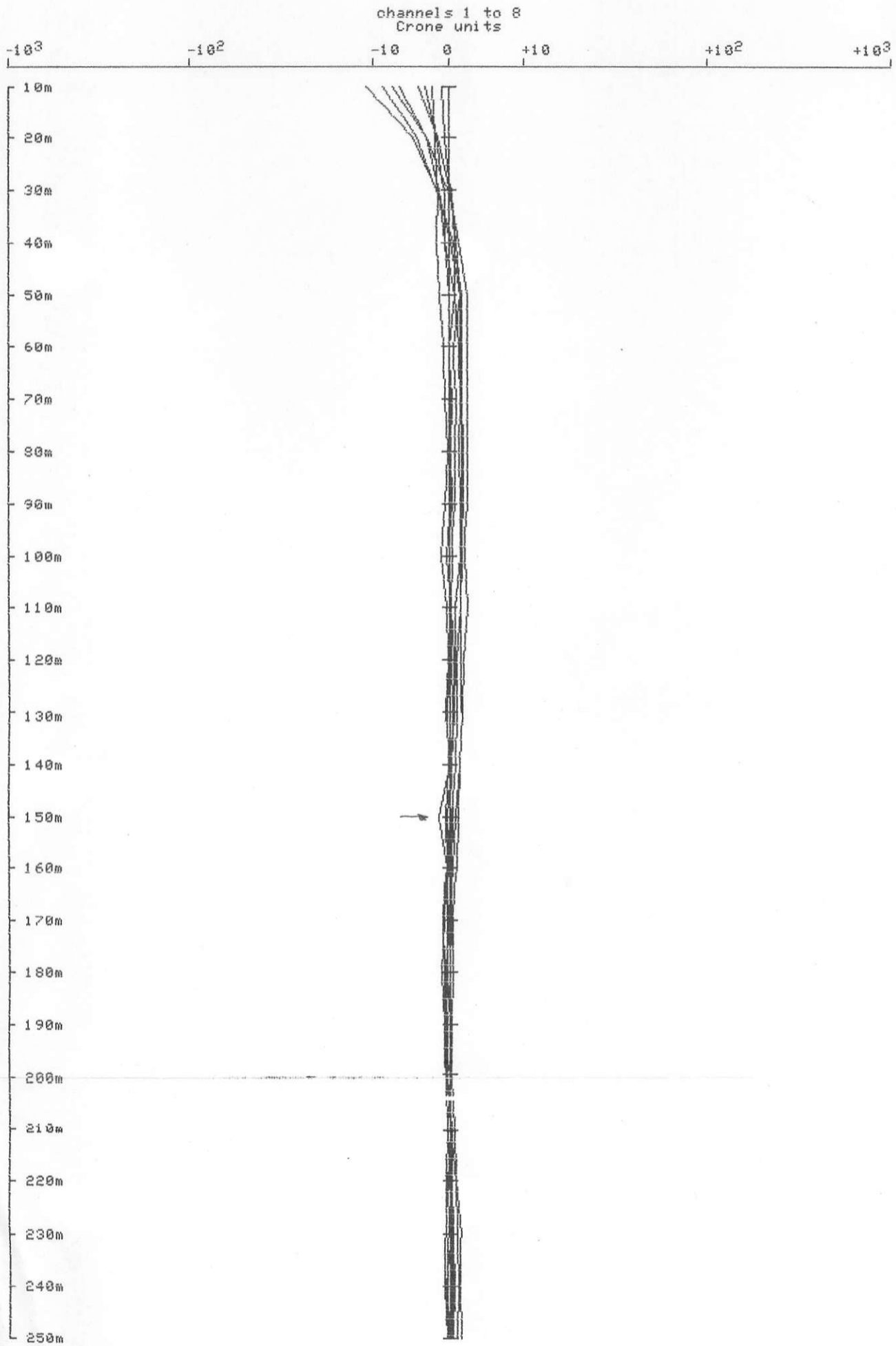
Tx Loop
N

Time base: 10ms
Ramp time: 1.5ms

ZTS: 639
Gain: 250

Date: 13/02/86

Scale: 1:1000



CRONE DATALOGGER PROCESSING
BOREHOLE PEM

User: Crone Geophysics Ltd.

Client
C.F.C.

File
e:hms8n

Grid
Mt-Sicker

Hole
MTS-8

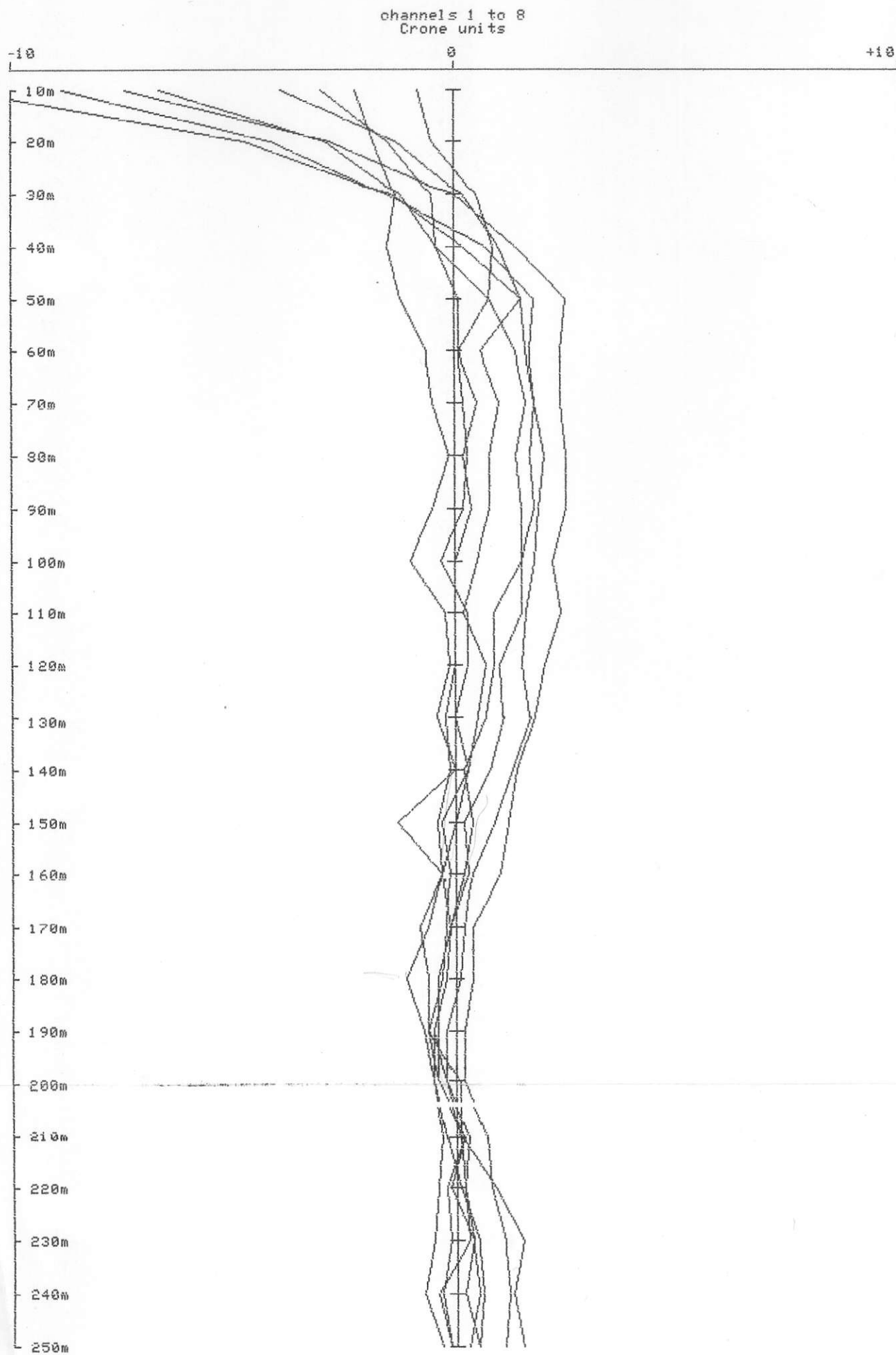
Tx Loop
N

Time base: 10ms
Ramp time: 1.5ms

ZTS: 639
Gain: 250

Date: 13/02/86

Scale: 1:1000



CRONE DATALOGGER PROCESSING
BOREHOLE PEM

User: Crone Geophysics Ltd.

Client
C.F.C.

File
e:hms8n

Grid
Mt-Sicker

Hole
MTS-8

Tx Loop
N

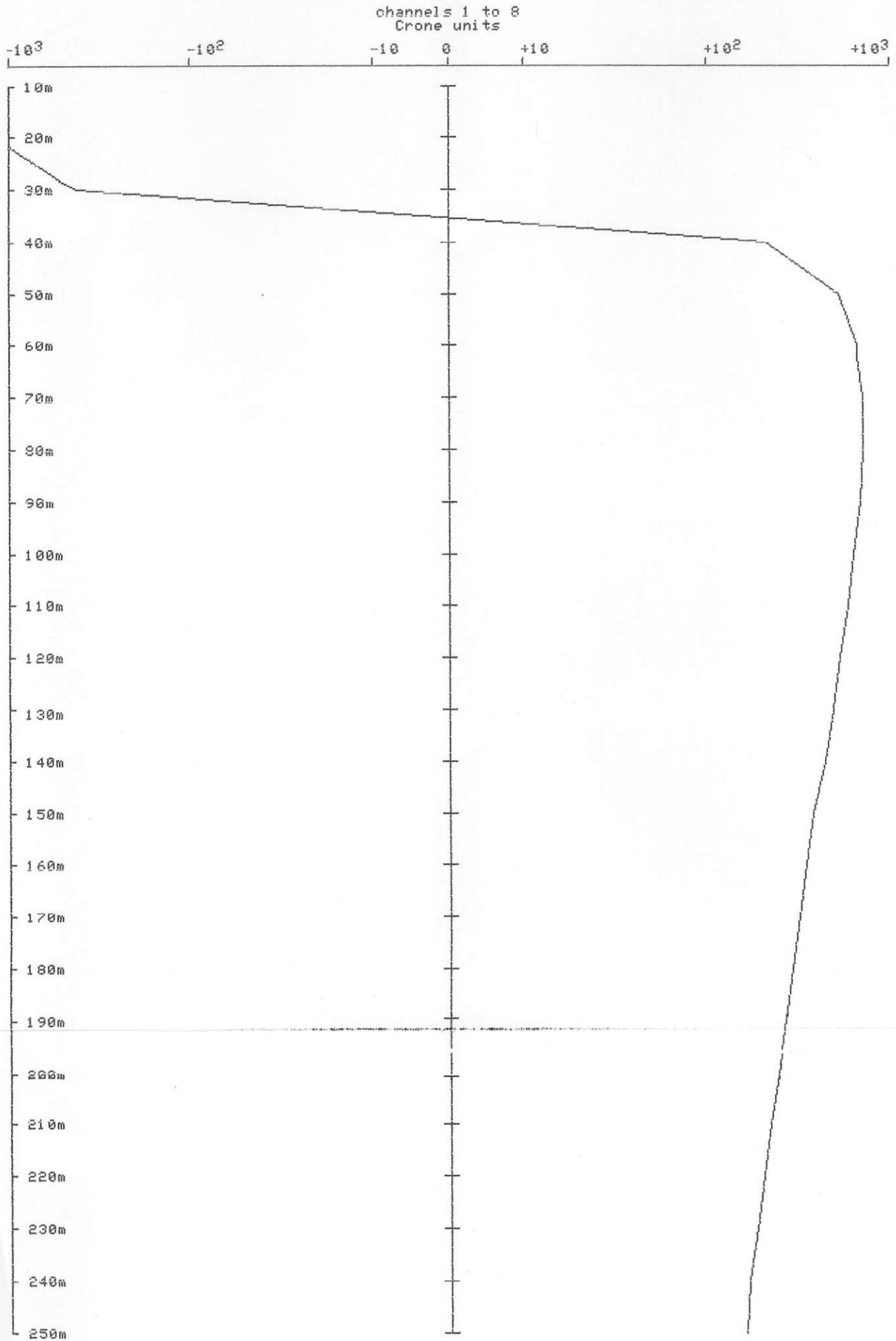
Time base: 10ms
Ramp time: 1.5ms

ZTS: 639
Gain: 250

Date: 13/02/86

Scale: 1:1000

PRIMARY PULSE



CRONE DATALOGGER PROCESSING
BOREHOLE PEM

User: Crone Geophysics Ltd.

Client
C.F.C.

File
E:HMS8W

Grid
Mt-Sicker

Hole
MTS-8

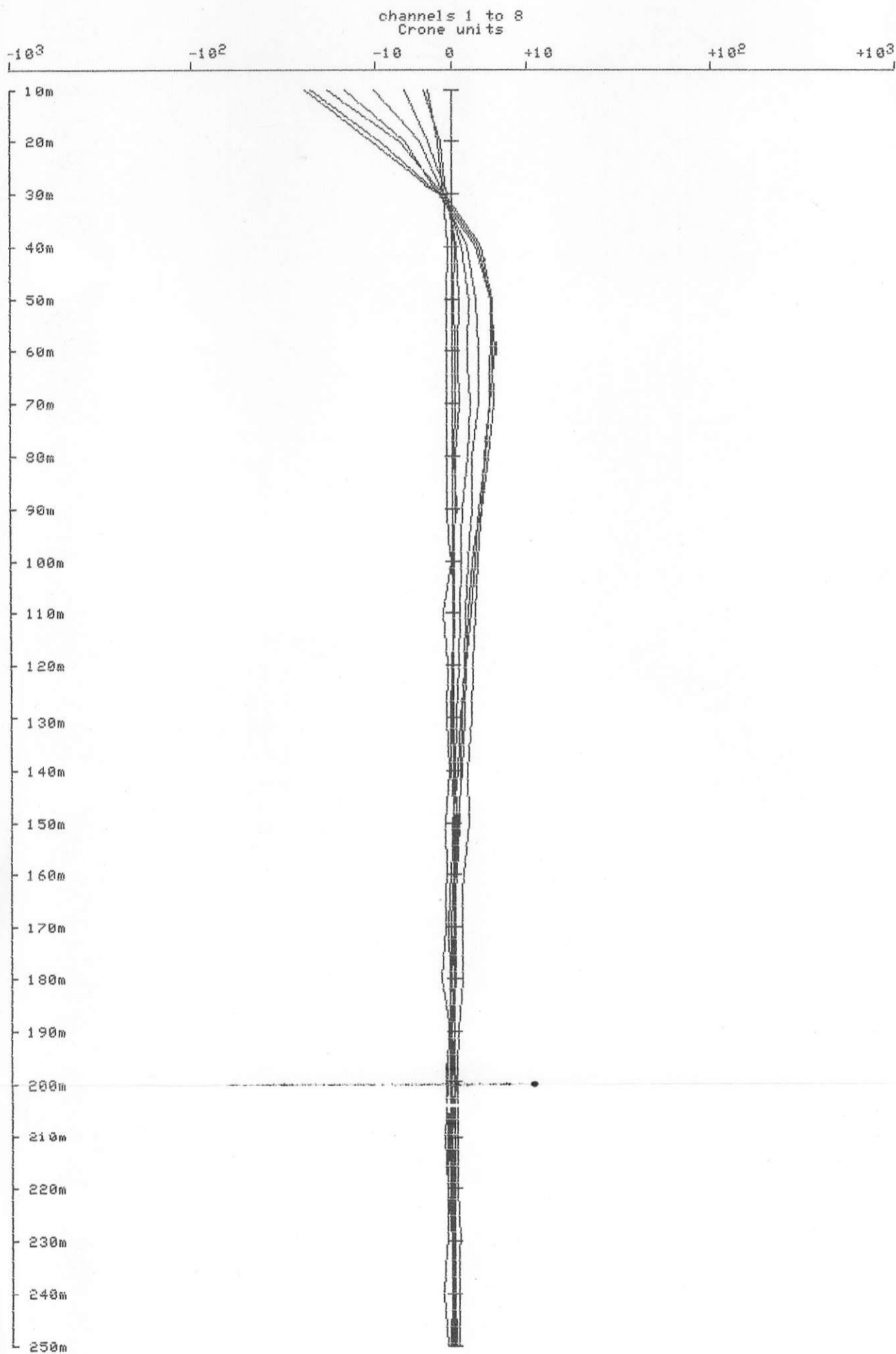
Tx Loop
W

Time base: 10ms
Ramp time: 1.5ms

ZTS: 635
Gain: 250

Date: 13/02/86

Scale: 1:1000



CRONE DATALOGGER PROCESSING
BOREHOLE PEM

User: Crone Geophysics Ltd.

Client
C.F.C.

File
e:hms8w

Grid
Mt-Sicker

Hole
MTS-8

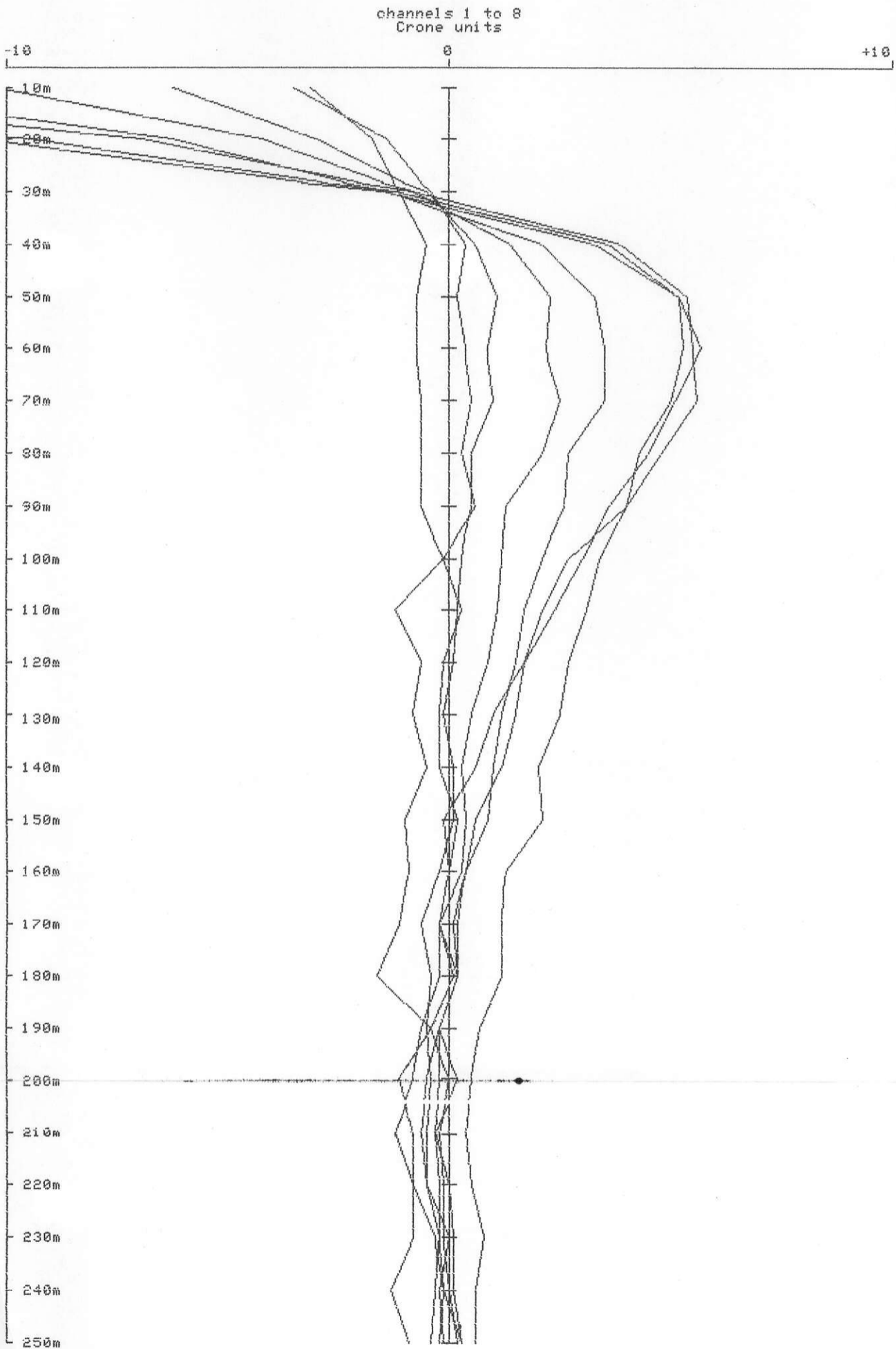
Tx Loop
W

Time base: 10ms
Ramp time: 1.5ms

ZTS: 635
Gain: 250

Date: 13/02/86

Scale: 1:1000



CRONE DATALOGGER PROCESSING
BOREHOLE PEM

User: Crone Geophysics Ltd.

Client
C.F.C.

File
e:hms8w

Grid
Mt-Sicker

Hole
MTS-8

Tx Loop
W

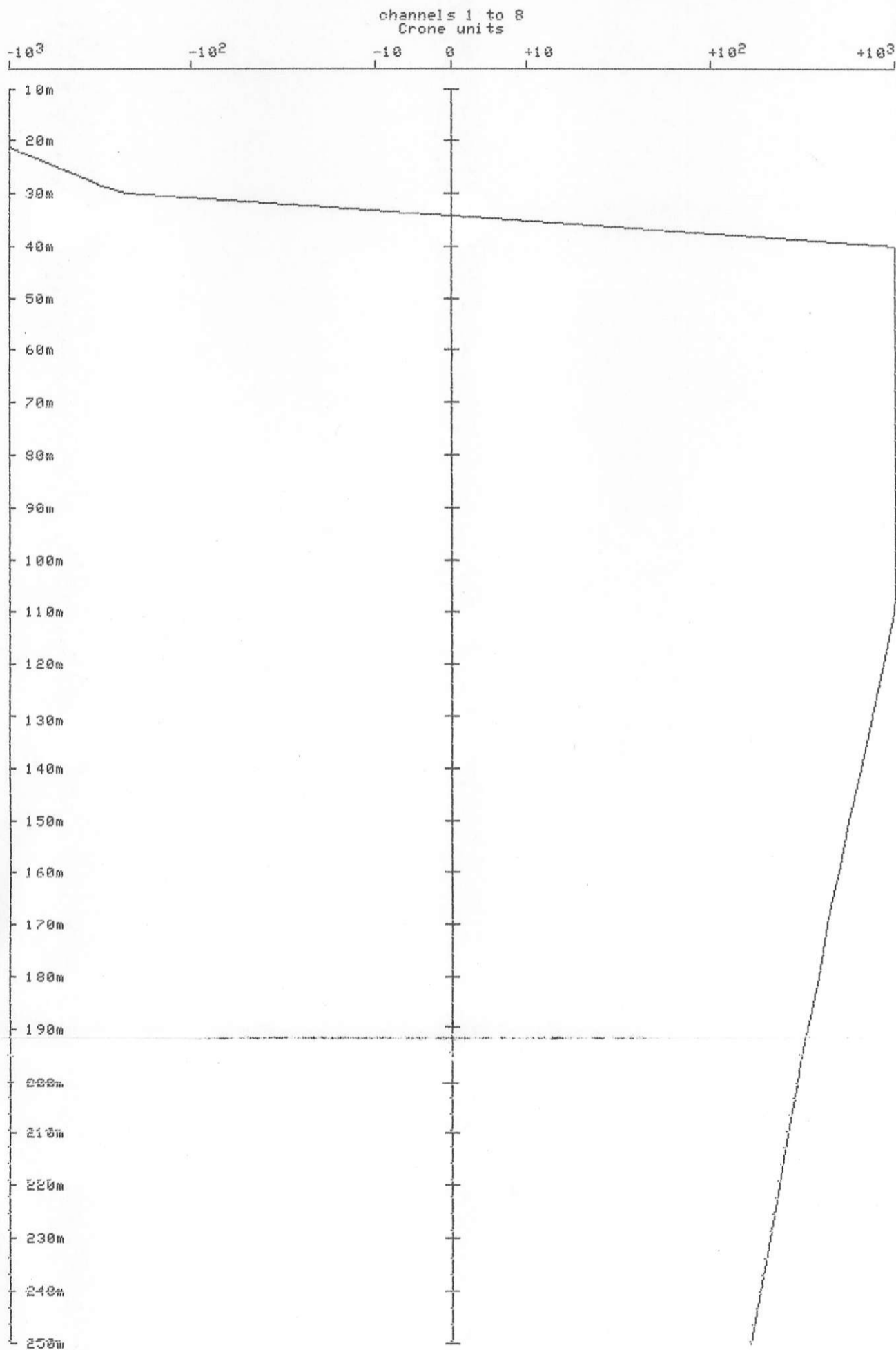
Time base: 10ms
Ramp time: 1.5ms

ZTS: 635
Gain: 250

Date: 13/02/86

Scale: 1:1000

PRIMARY PULSE



CRONE DATALOGGER PROCESSING
BOREHOLE PEM

User: Crone Geophysics Ltd.

Client
C.F.C.

File
E:HMS8E

Grid
Mt-Sicker

Hole
MTS-8

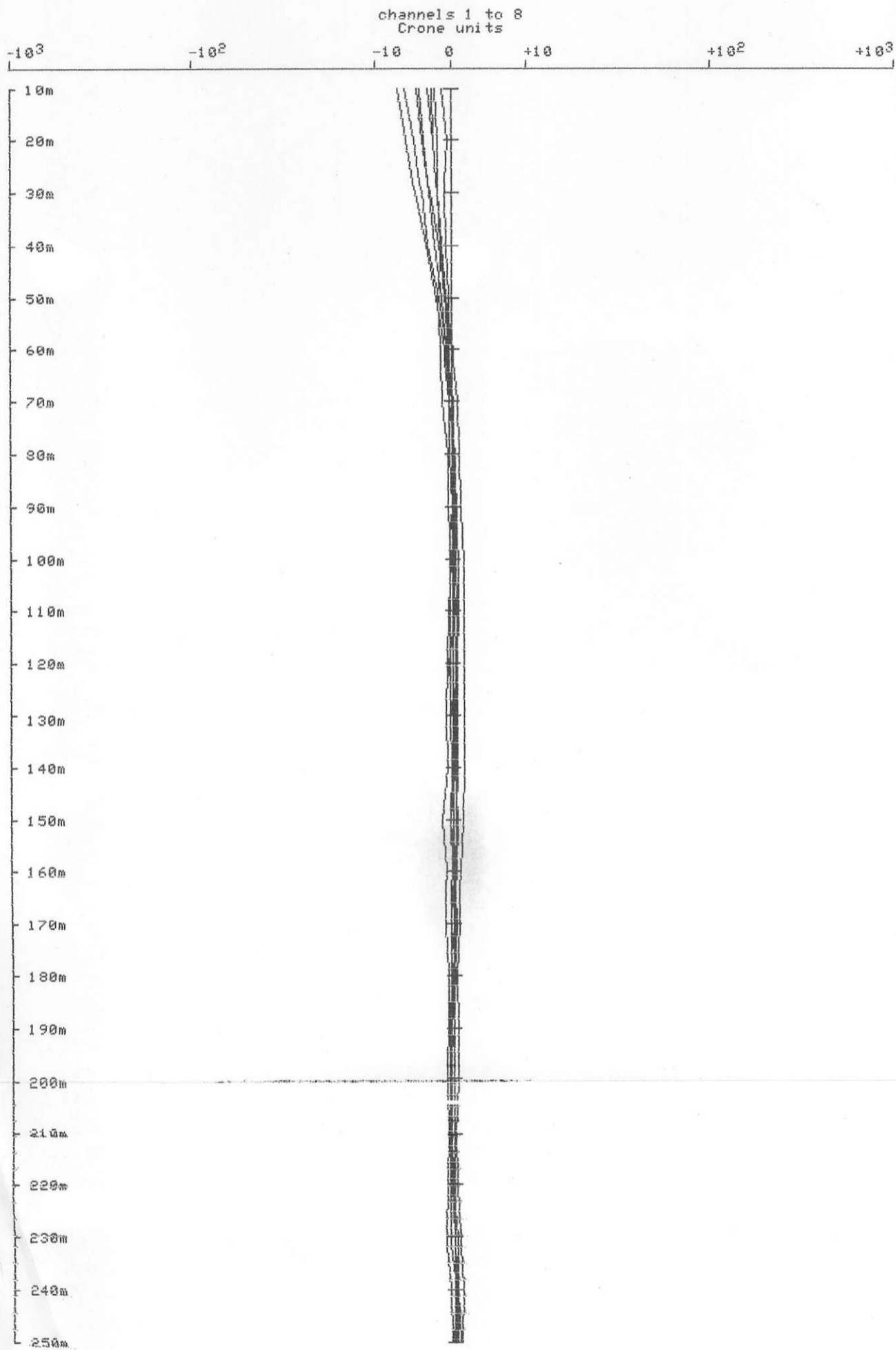
Tx Loop
E

Time base: 10ms
Ramp time: 1.5ms

ZTS: 635
Gain: 250

Date: 13/02/86

Scale: 1:1000



CRONE DATALOGGER PROCESSING
BOREHOLE PEM

User: Crone Geophysics Ltd.

Client
C.F.C.

File
e:hms8e

Grid
Mt-Sicker

Hole
MTS-8

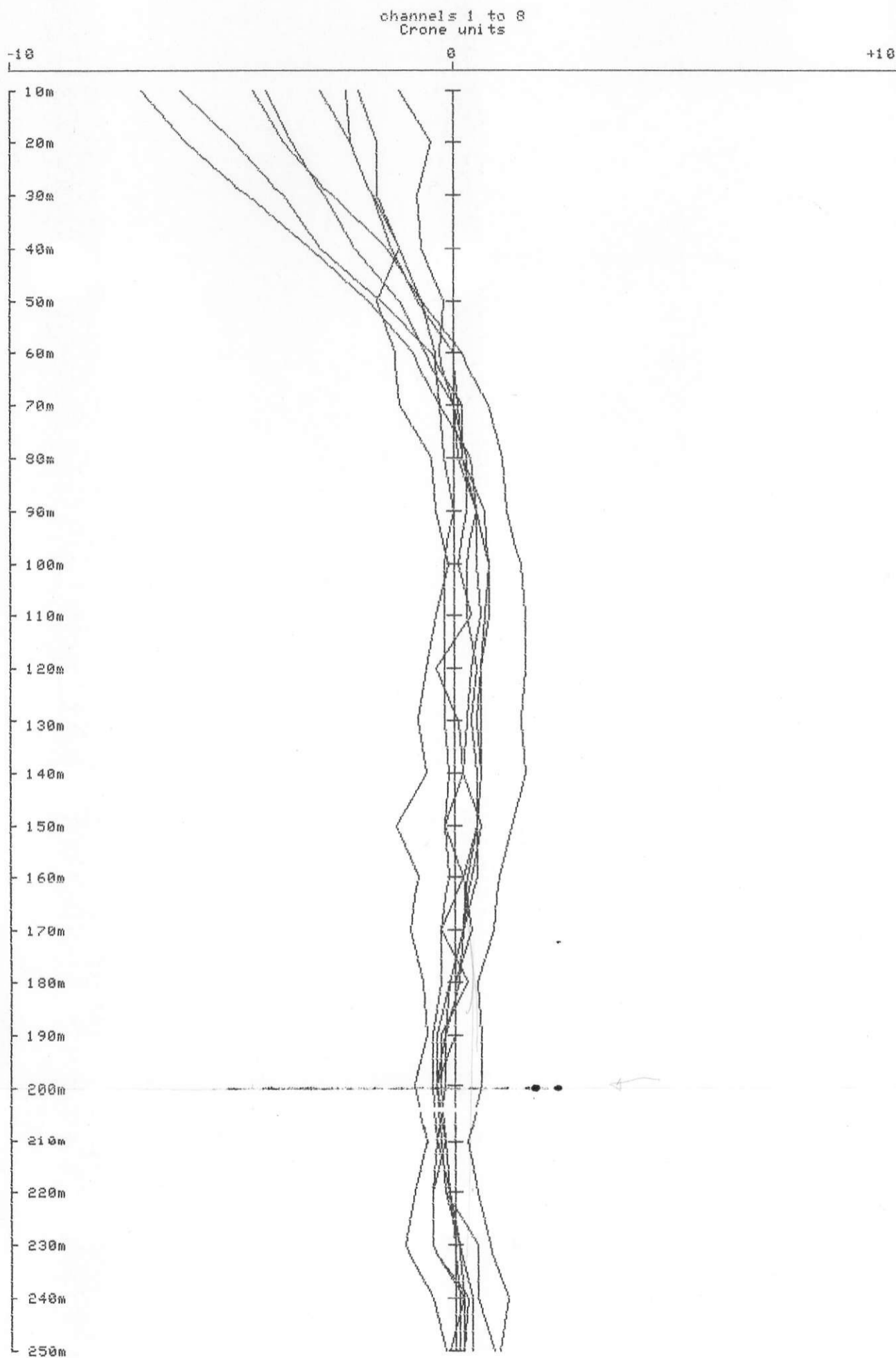
Tx Loop
E

Time base: 10ms
Ramp time: 1.5ms

ZTS: 635
Gain: 250

Date: 13/02/86

Scale: 1:1000



CRONE DATALOGGER PROCESSING
BOREHOLE PEM

User: Crone Geophysics Ltd.

Client
C.F.C.

File
e:hms8e

Grid
Mt-Sicker

Hole
MTS-8

Tx Loop
E

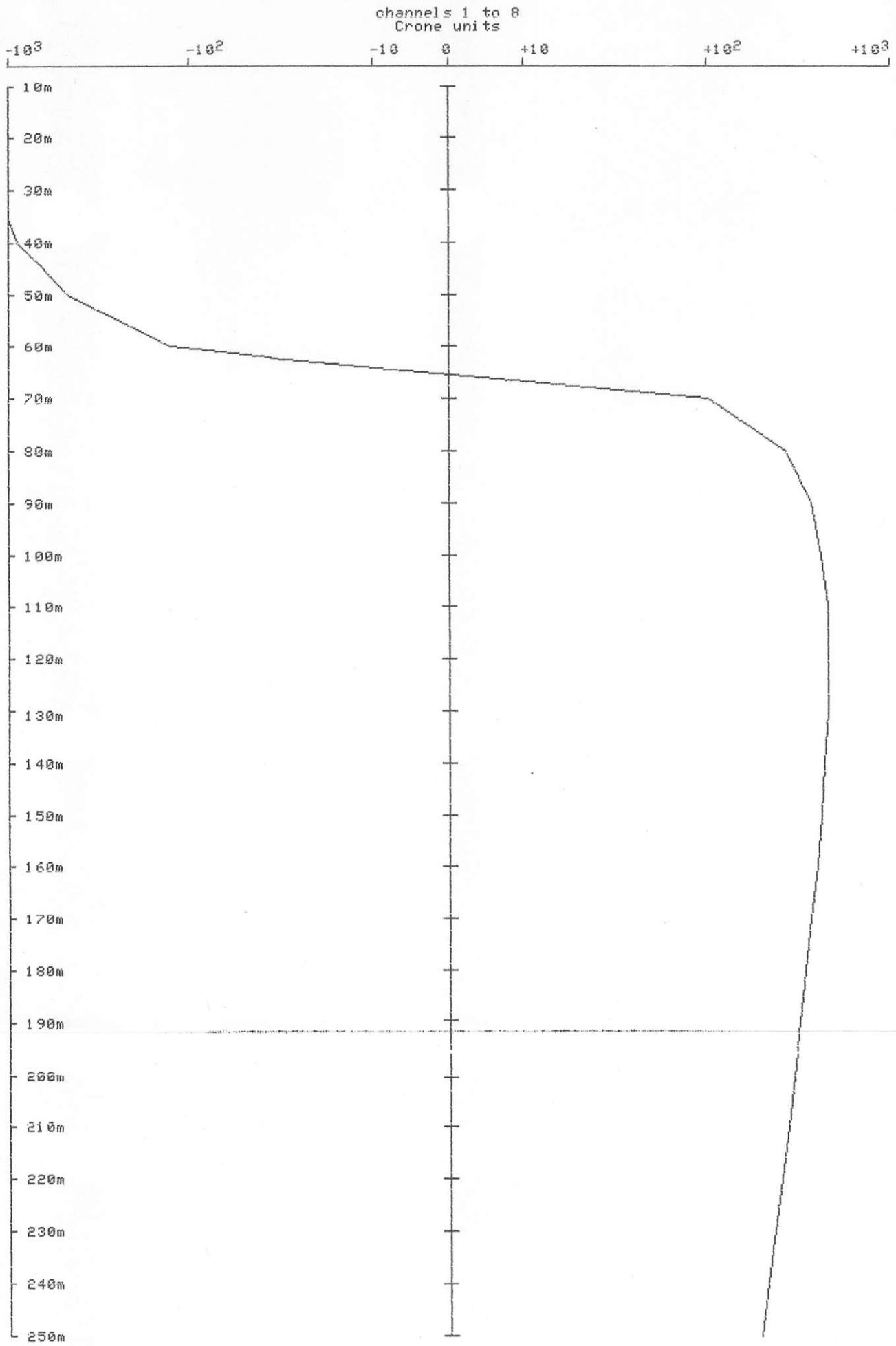
Time base: 10ms
Ramp time: 1.5ms

ZTS: 635
Gain: 250

Date: 13/02/86

Scale: 1:1000

PRIMARY PULSE



CRONE DATALOGGER PROCESSING
BOREHOLE PEM

User: Crone Geophysics Ltd.

Client
C.F.C.

File
E:HMS85

Grid
Mt-Sicker

Hole
MTS-8

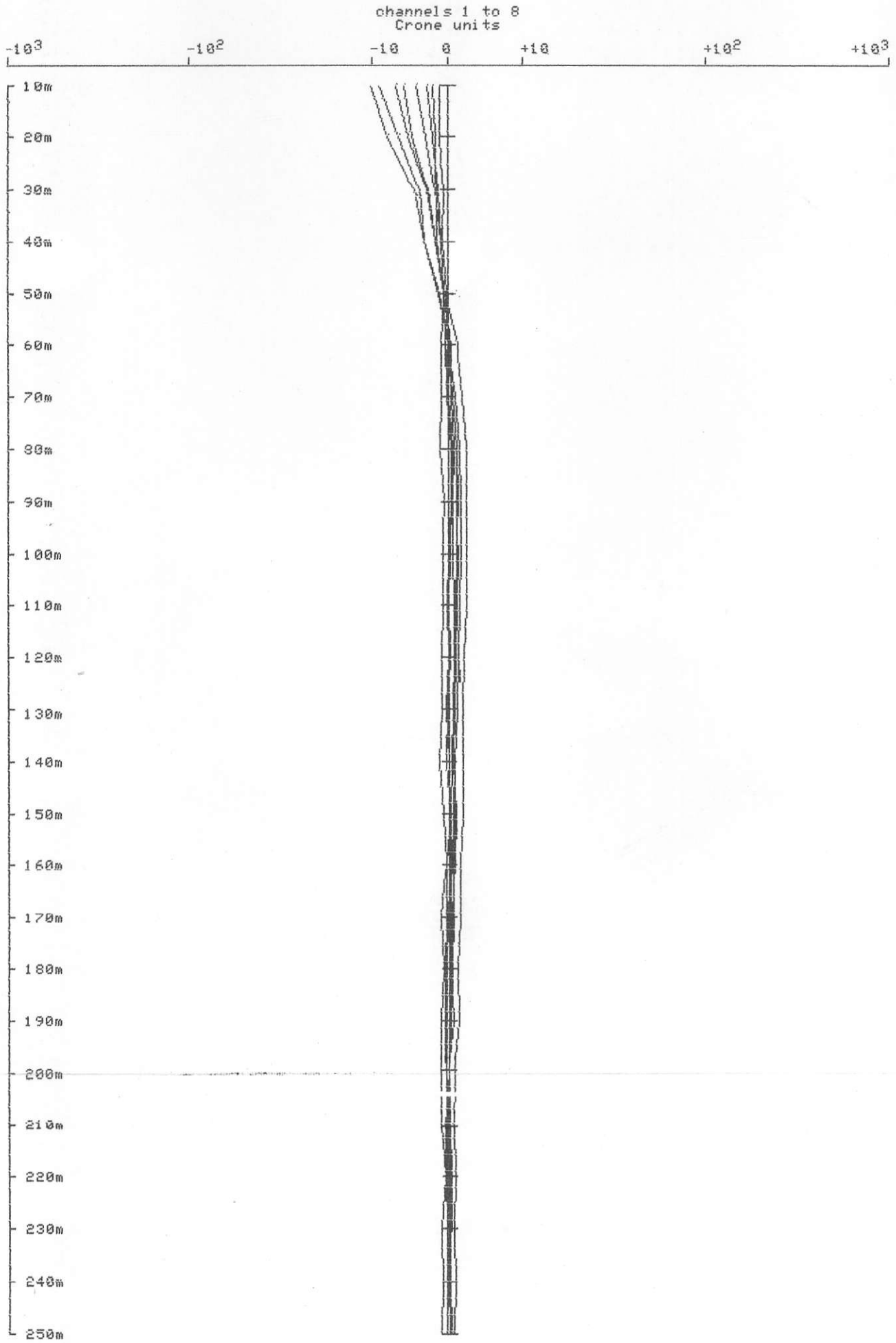
Tx Loop
S

Time base: 101ms
Ramp time: 0.5ms

ZTS: 636
Gain: 250

Date: 13/02/86

Scale: 1:1000



CRONE DATALOGGER PROCESSING
BOREHOLE PEM

User: Crone Geophysics Ltd.

Client
C.F.C.

File
e:hms8s

Grid
Mt-Sicker

Hole
MTS-8

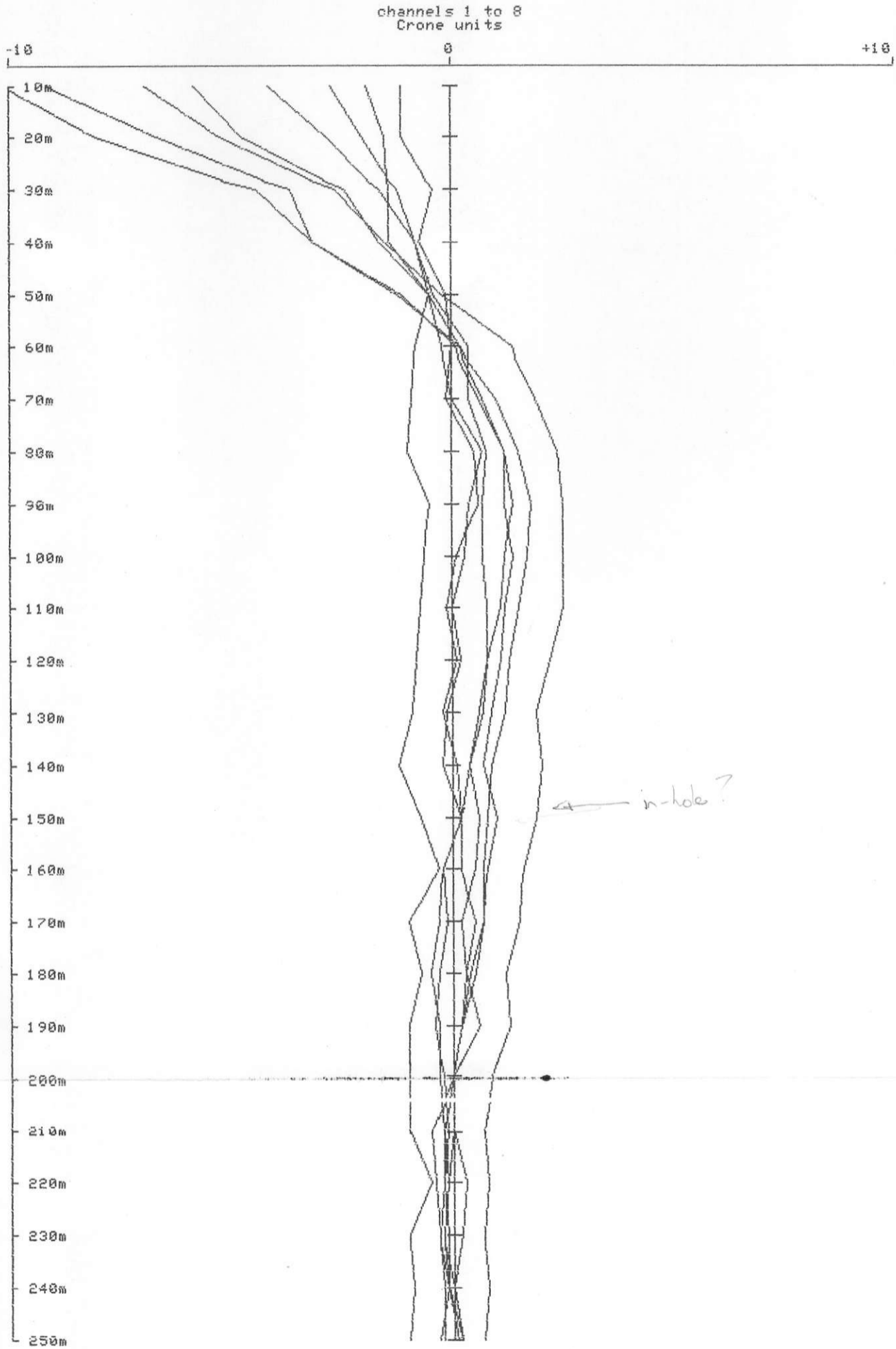
Tx Loop
S

Time base: 10ms
Ramp time: 1.5ms

ZTS: 636
Gain: 250

Date: 13/02/86

Scale: 1:1000



CRONE DATALOGGER PROCESSING
BOREHOLE PEM

User: Crone Geophysics Ltd.

Client
C.F.C.

File
e:hms8s

Grid
Mt-Sicker

Hole
MTS-8

Tx Loop
S

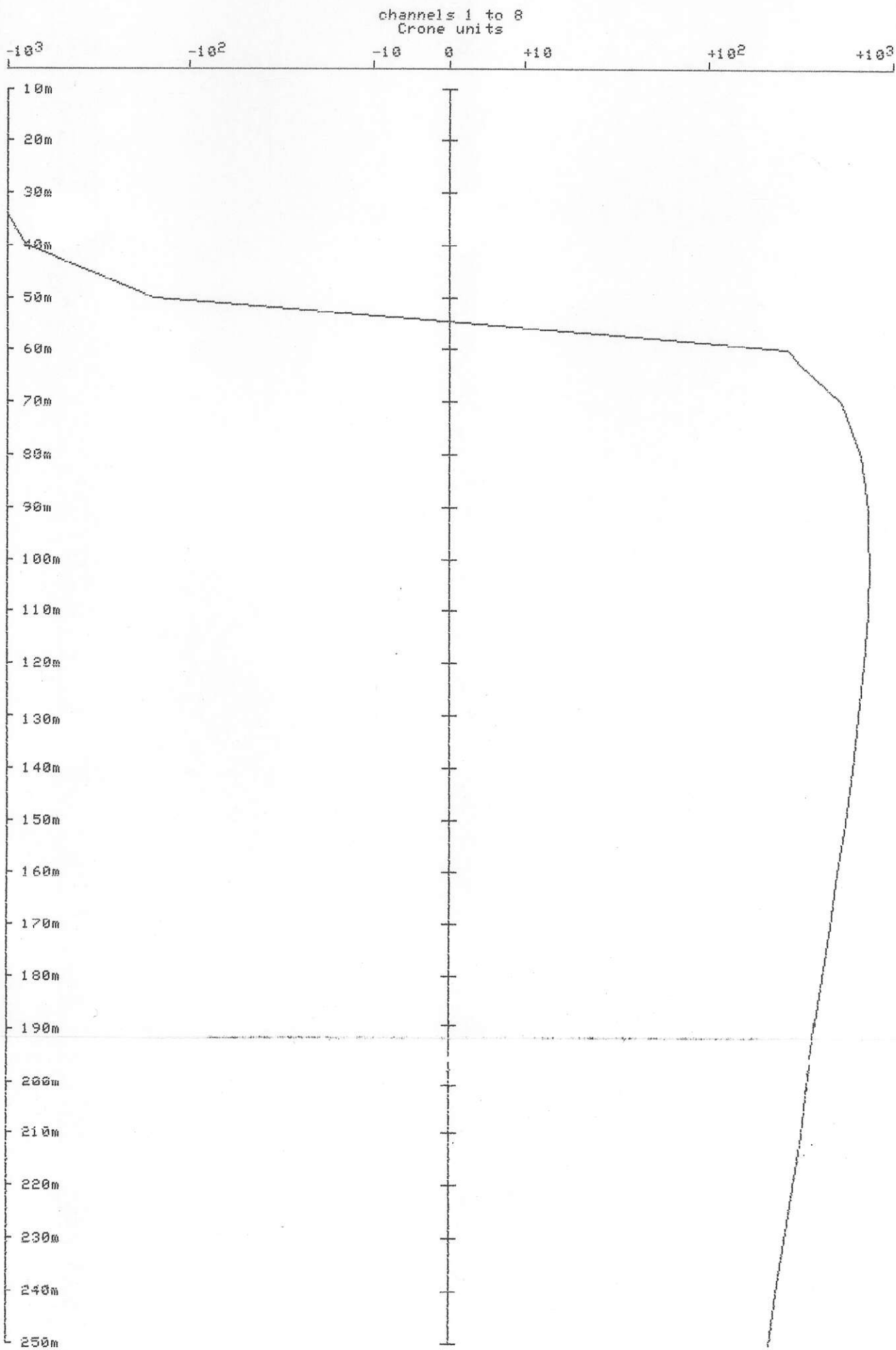
Time base: 10ms
Ramp time: 1.5ms

ZTS: 636
Gain: 250

Date: 13/02/86

Scale: 1:1000

PRIMARY PULSE



CRONE DATALOGGER PROCESSING
BOREHOLE PEM

User: Crone Geophysics Ltd.

Client
C.F.C.

File
e:hms11c

Grid
Mt-Sicker

Hole
MTS-11

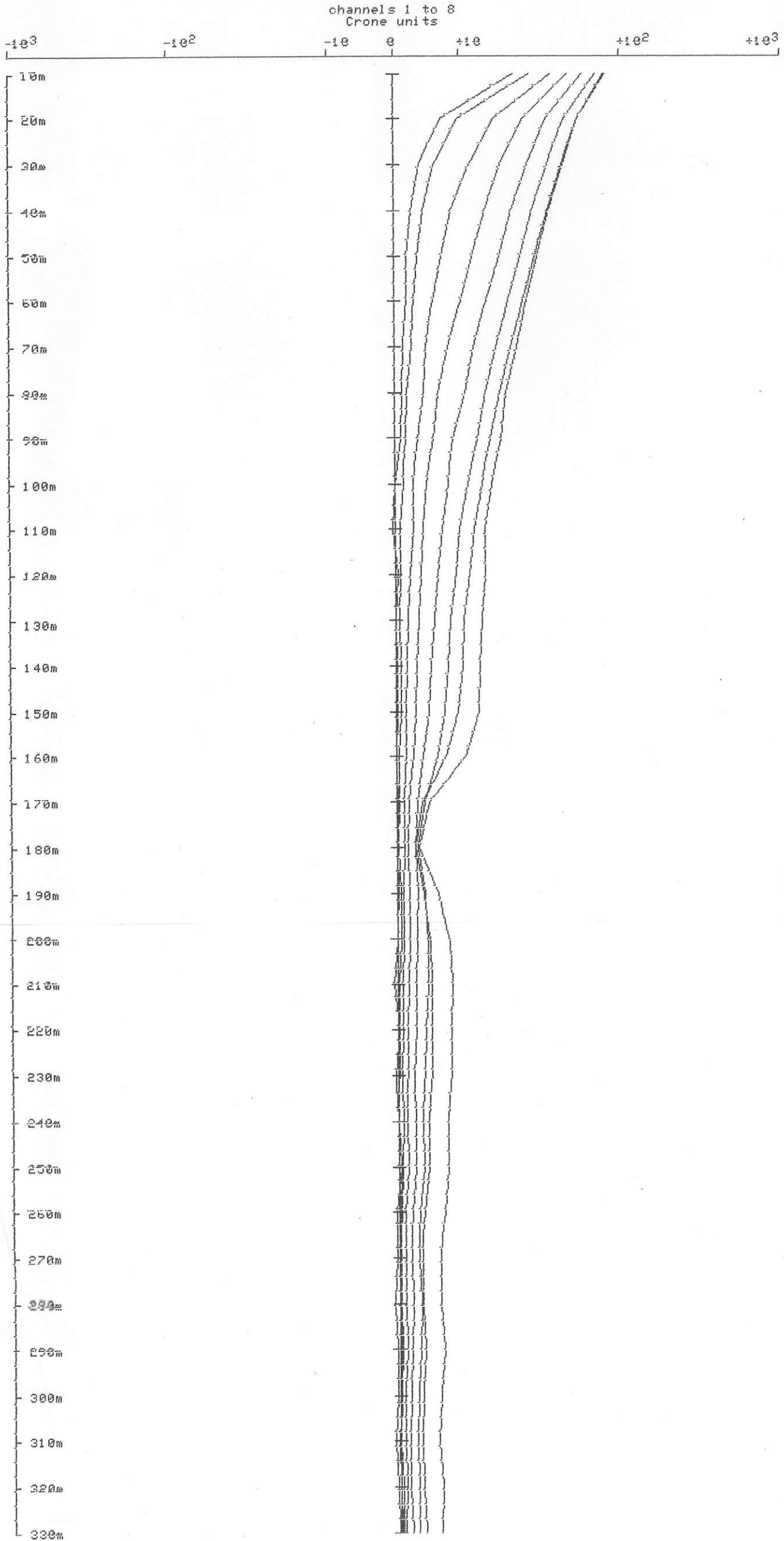
Tx Loop
C

Time base: 10ms
Ramp time: 1.5ms

ZTS: 640
Gain: 250

Date: 15/02/86

Scale: 1:1000



CRONE DATALOGGER PROCESSING
BOREHOLE PEM

User: Crone Geophysics Ltd.

Client
C.F.C.

File
E:HMS11C

Grid
Mt-Sicker

Hole
MTS-11

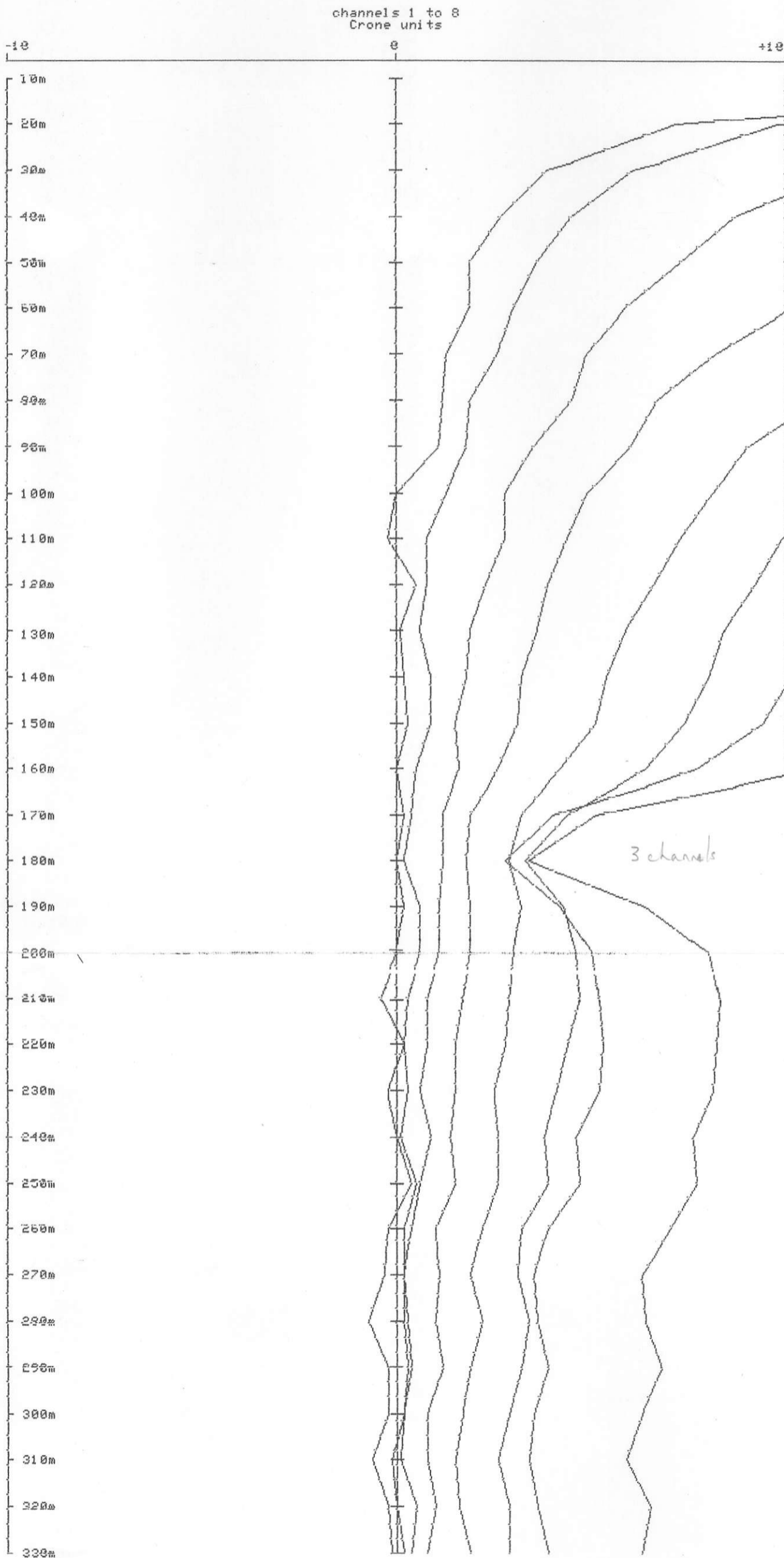
Tx Loop
C

Time base: 10ms
Ramp time: 1.5ms

ZTS: 640
Gain: 250

Date: 15/02/86

Scale: 1:1000



CRONE DATALOGGER PROCESSING
BOREHOLE PEM

User: Crone Geophysics Ltd.

Client
C.F.C.

File
e:hms11c

Grid
Mt-Sicker

Hole
MTS-11

Tx Loop
C

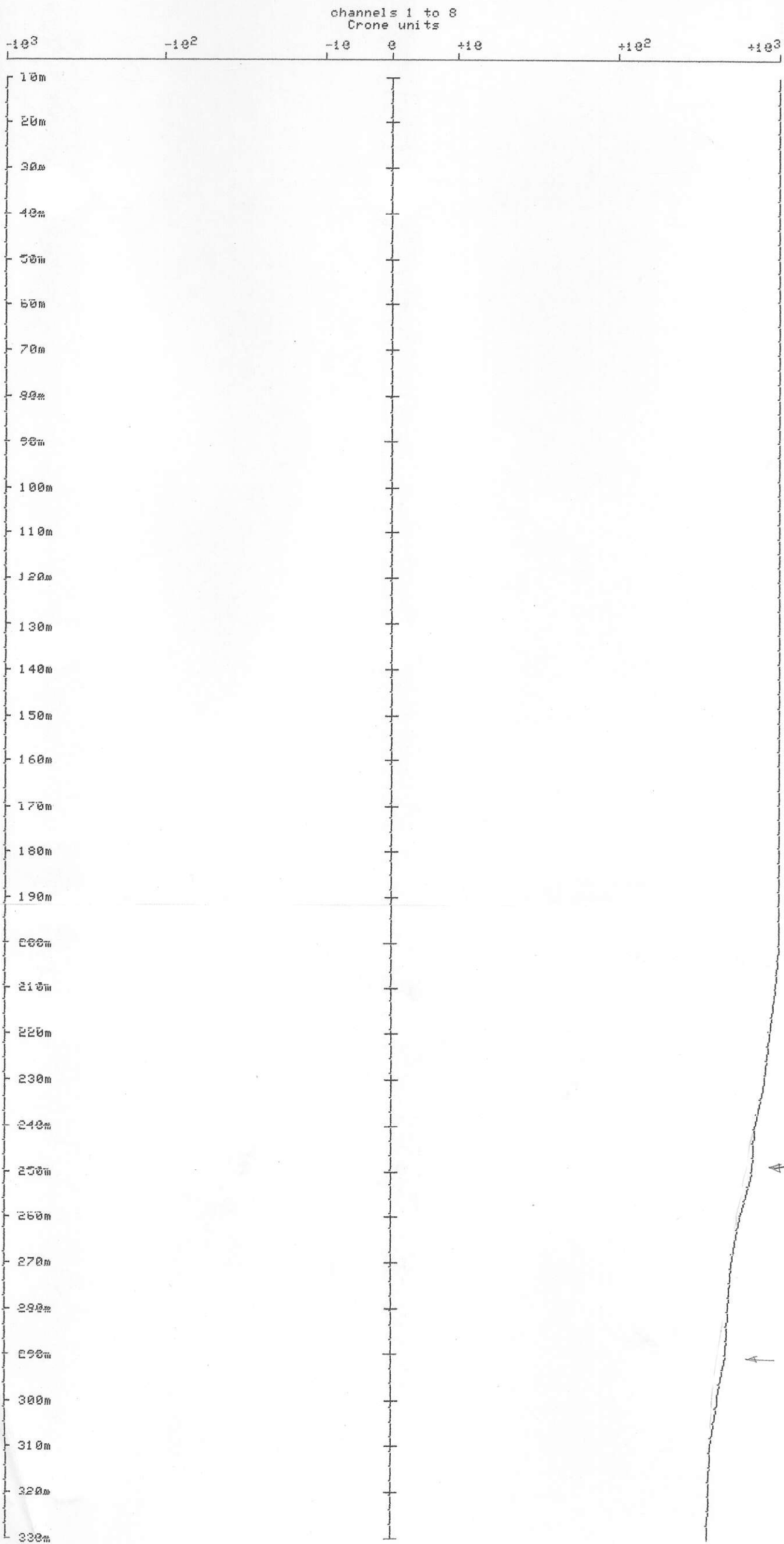
Time base: 10ms
Ramp time: 1.5ms

ZTS: 640
Gain: 250

Date: 15/02/86

Scale: 1:1000

PRIMARY PULSE



CRONE DATALOGGER PROCESSING
BOREHOLE PEM

User: Crone Geophysics Ltd.

Client
C.F.C.

File
e:hms11n

Grid
Mt-Sicker

Hole
MTS-11

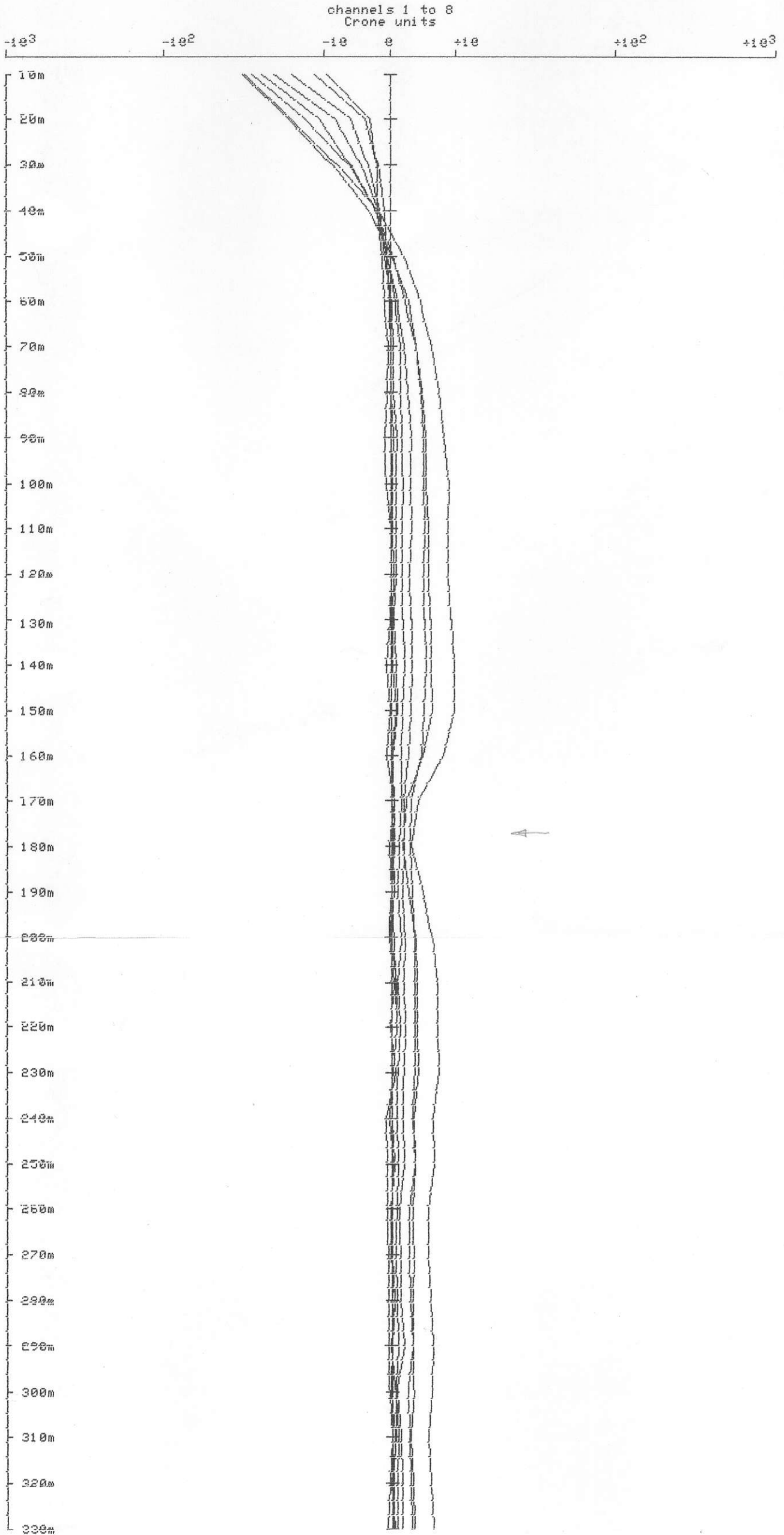
Tx Loop
N

Time base: 10ms
Ramp time: 1.5ms

ZTS: 638
Gain: 250

Date: 15/02/86

Scale: 1:1000



CRONE DATALOGGER PROCESSING
BOREHOLE PEM

User: Crone Geophysics Ltd.

Client
C.F.C.

File
E:HMS11N

Grid
Mt-Sicker

Hole
MTS-11

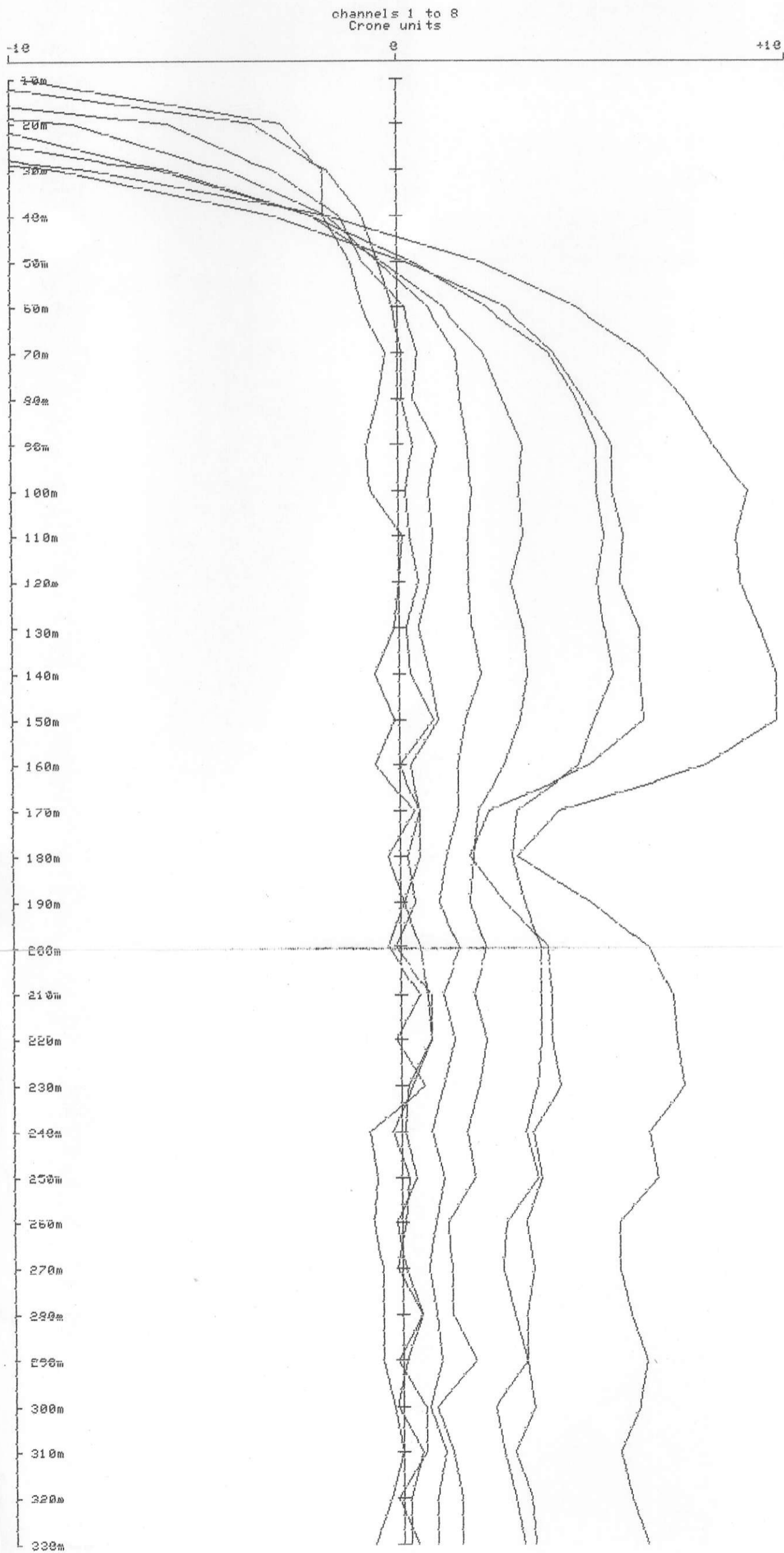
Tx Loop
N

Time base: 10ms
Ramp time: 1.5ms

ZTS: 638
Gain: 250

Date: 15/02/86

Scale: 1:1000



CRONE DATALOGGER PROCESSING
BOREHOLE PEM

User: Crone Geophysics Ltd.

Client
C.F.C.

File
e:hms11n

Grid
Mt-Sicker

Hole
MTS-11

Tx Loop
N

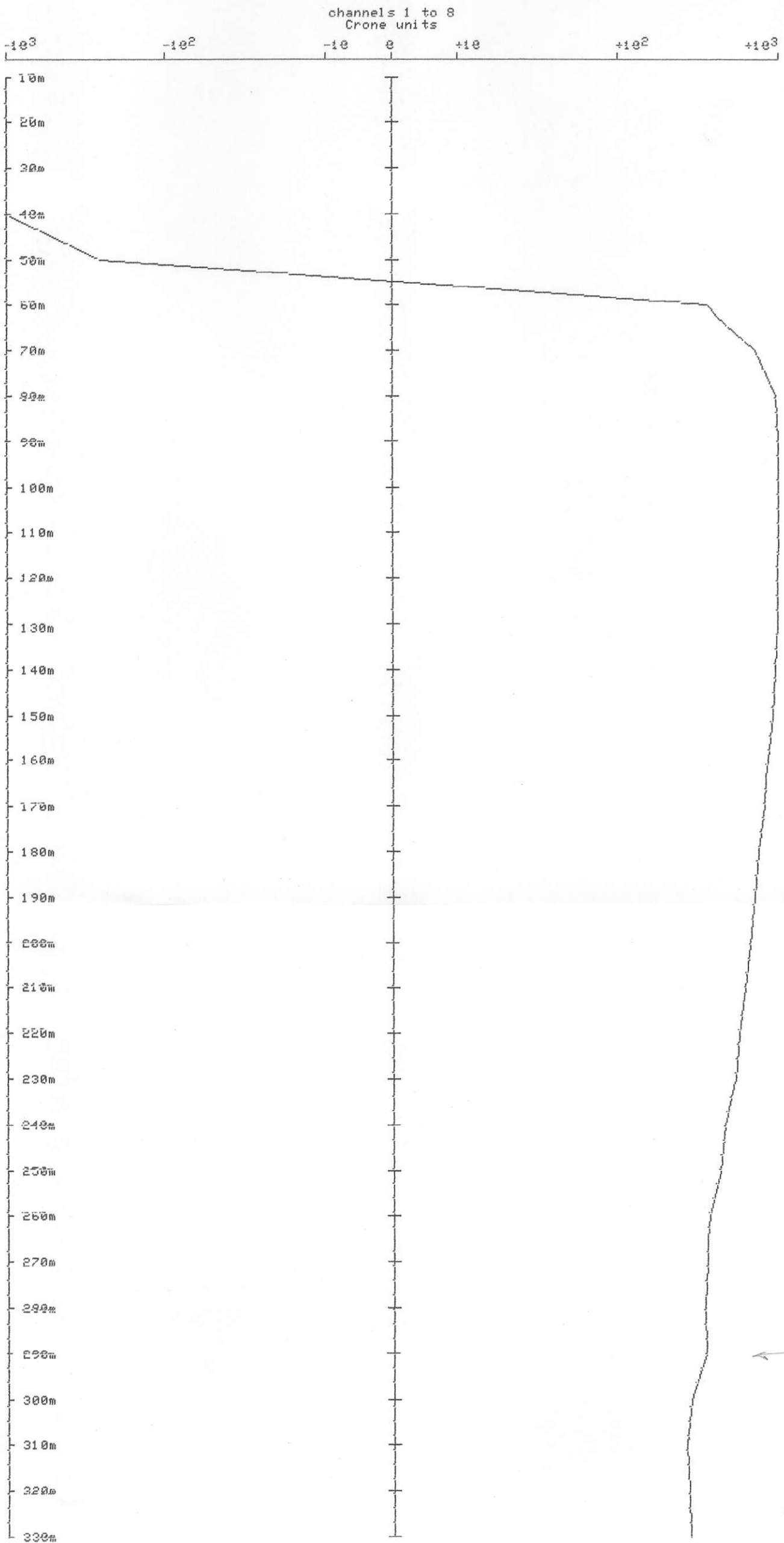
Time base: 10ms
Ramp time: 1.5ms

ZTS: 638
Gain: 250

Date: 15/02/86

Scale: 1:1000

PRIMARY PULSE



CRONE DATALOGGER PROCESSING
BOREHOLE PEM

User: Crone Geophysics Ltd.

Client
C.F.C.

File
E:HMS12C

Grid
Mt-Sicker

Hole
MTS-12

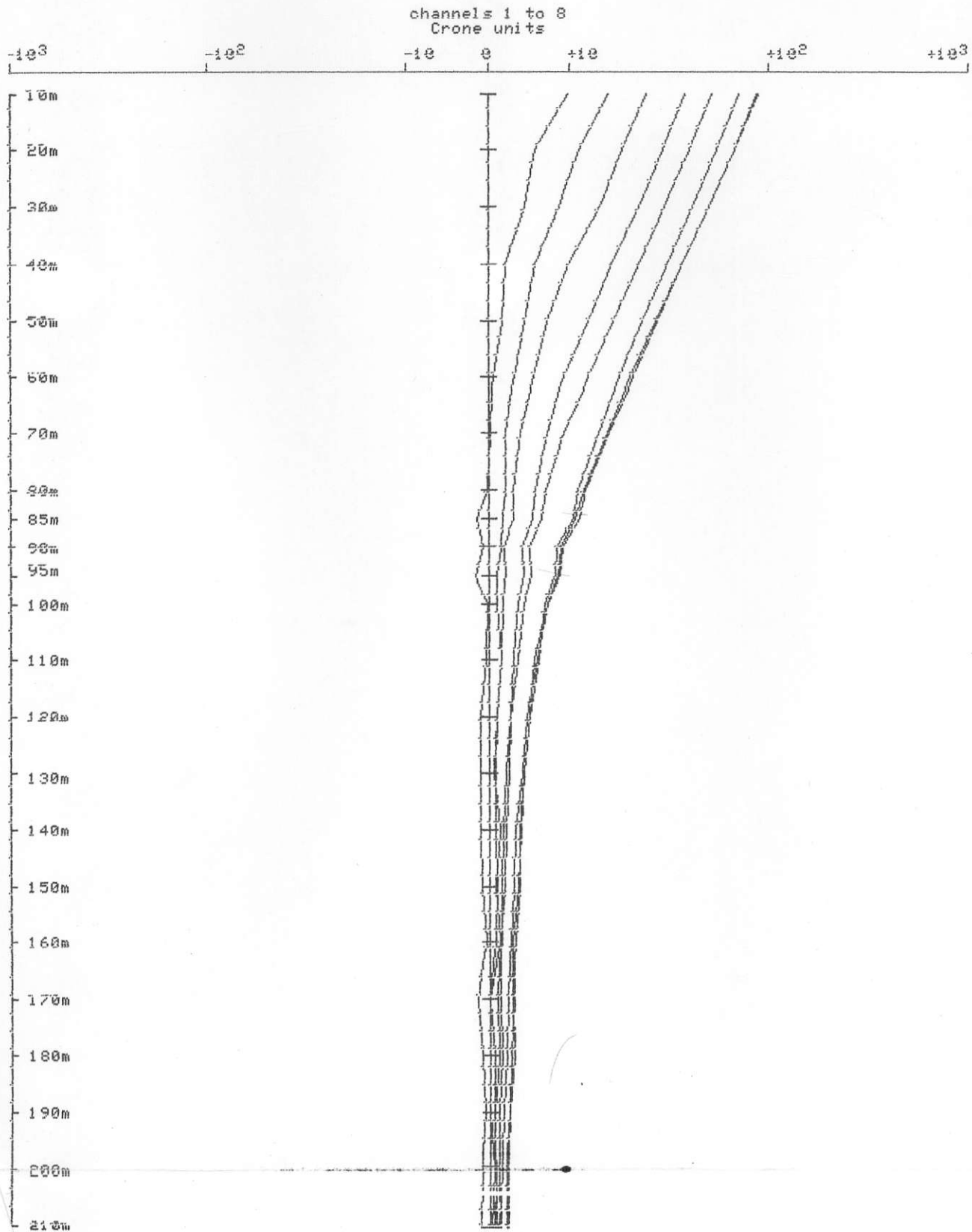
Tx Loop
C

Time base: 10ms
Ramp time: 1.5ms

ZTS: 636
Gain: 250

Date: 19/02/86

Scale: 1:1000



CRONE DATALOGGER PROCESSING
BOREHOLE PEM

User: Crone Geophysics Ltd.

Client
C.F.C.

File
e:hms12c

Grid
Mt-Sicker

Hole
MTS-12

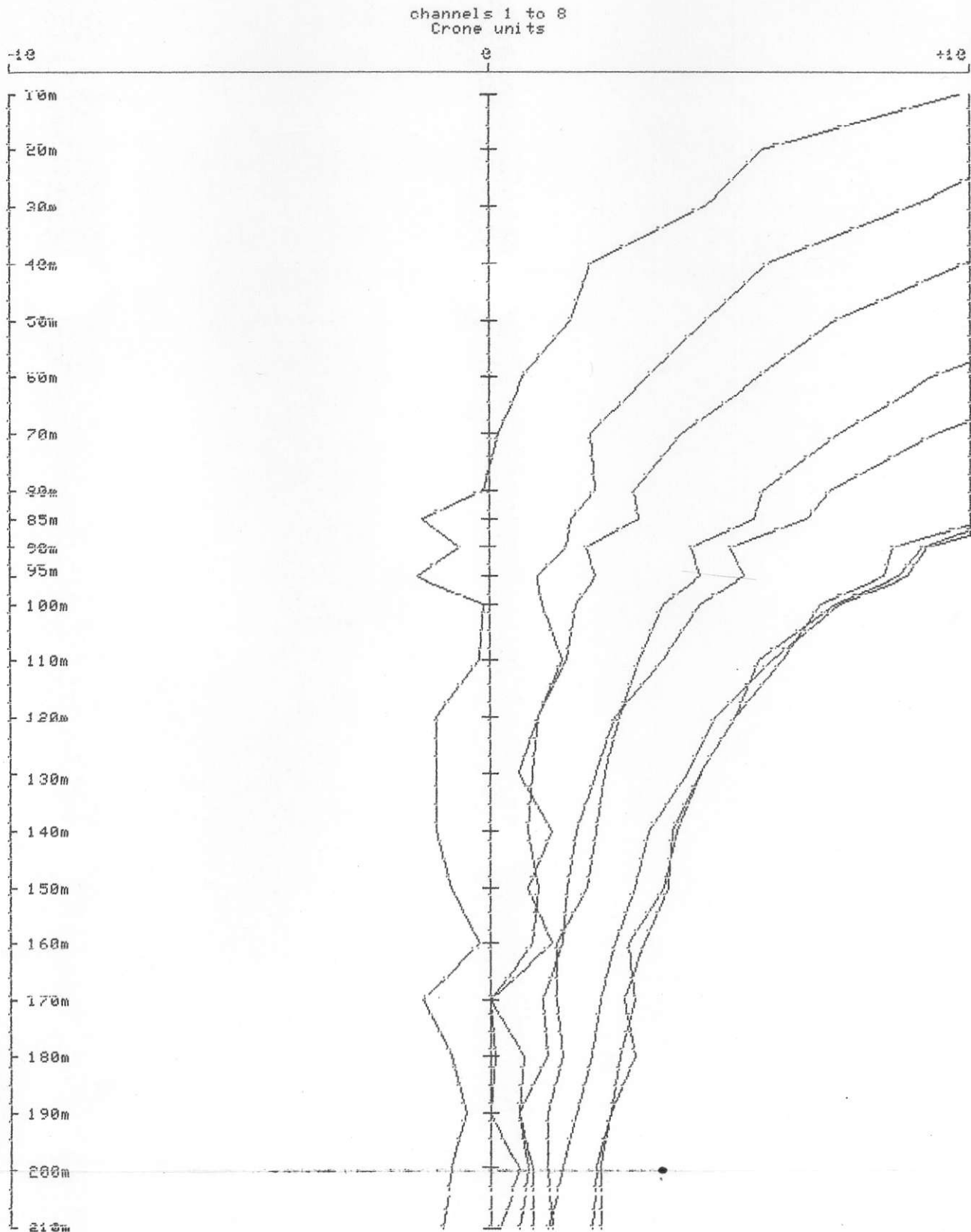
Tx Loop
C

Time base: 10ms
Ramp time: 1.5ms

ZTS: 636
Gain: 250

Date: 19/02/86

Scale: 1:1000



CRONE DATALOGGER PROCESSING
BOREHOLE PEM

User: Crone Geophysics Ltd.

Client
C.F.C.

File
e:hms12c

Grid
Mt-Sicker

Hole
MTS-12

Tx Loop
C

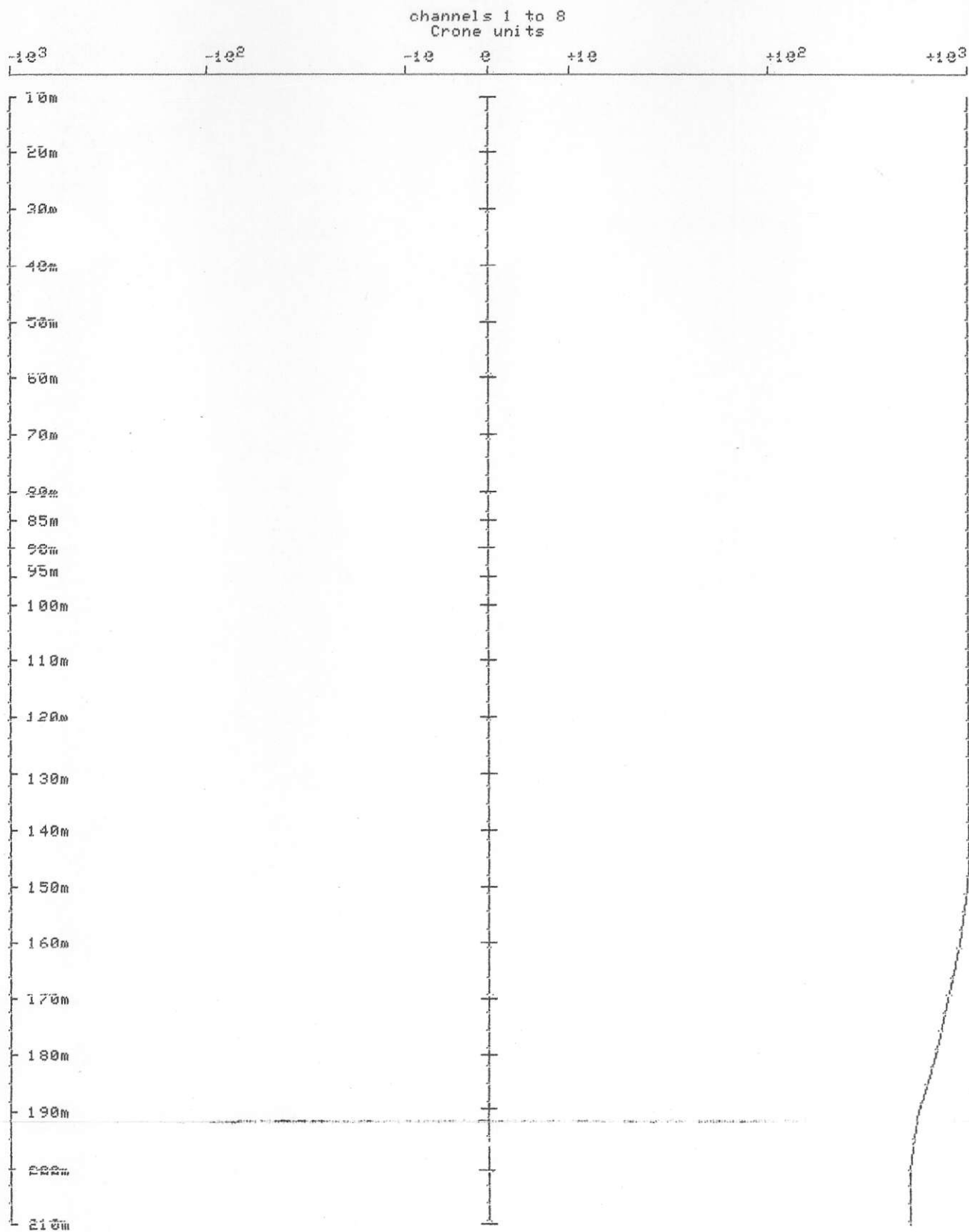
Time base: 10ms
Ramp time: 1.5ms

ZTS: 636
Gain: 250

Date: 19/02/86

Scale: 1:1000

PRIMARY PULSE



CRONE DATALOGGER PROCESSING
BOREHOLE PEM

User: Crone Geophysics Ltd.

Client
C.F.C.

File
E:HMS12N

Grid
Mt-Sicker

Hole
MTS-12

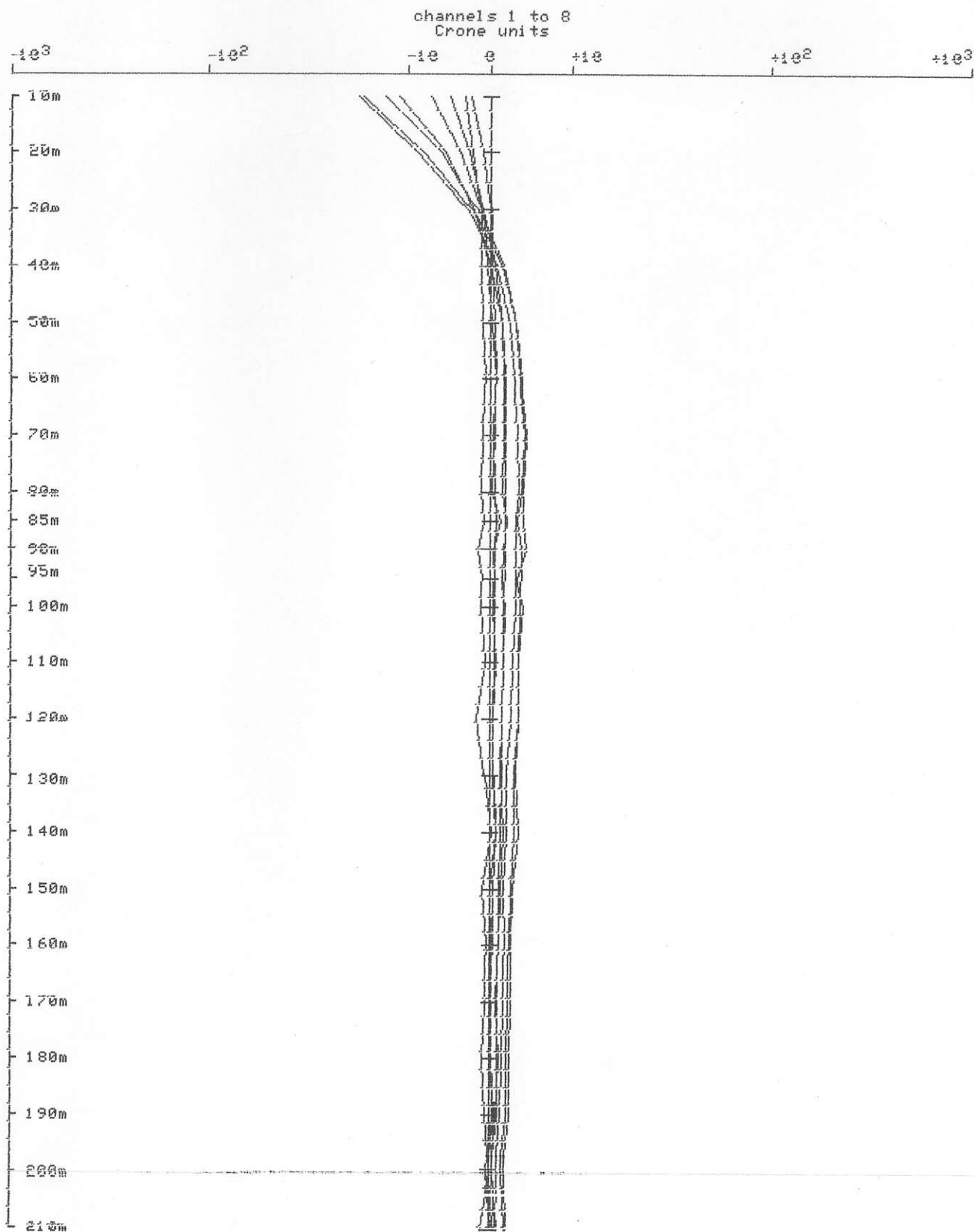
Tx Loop
N

Time base: 10ms
Ramp time: 1.5ms

ZTS: 637
Gain: 250

Date: 19/02/86

Scale: 1:1000



CRONE DATALOGGER PROCESSING
BOREHOLE PEM

User: Crone Geophysics Ltd.

Client
C.F.C.

File
e:hms12n

Grid
Mt-Sicker

Hole
MTS-12

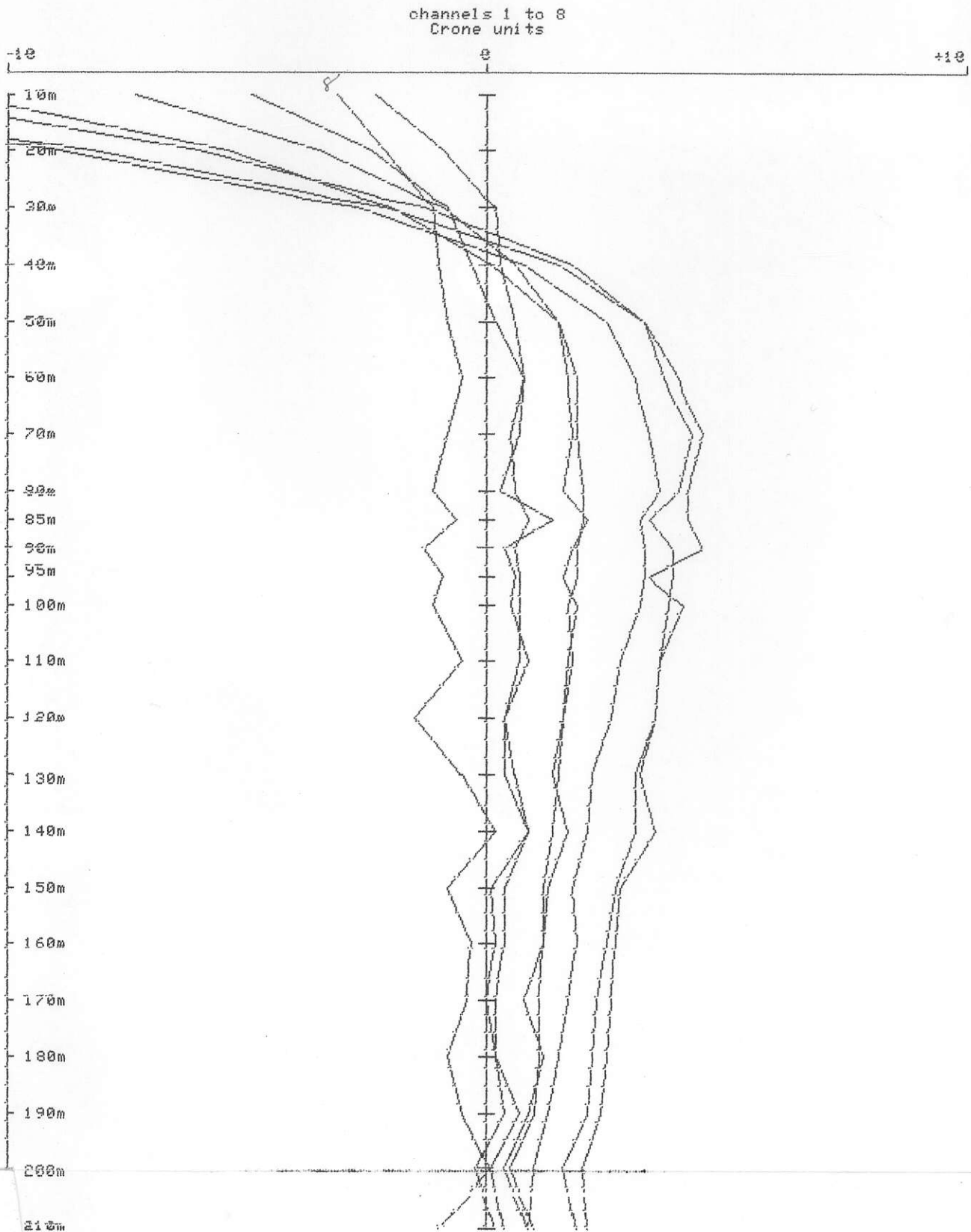
Tx Loop
N

Time base: 10ms
Ramp time: 1.5ms

ZTS: 637
Gain: 250

Date: 19/02/86

Scale: 1:1000



CRONE DATALOGGER PROCESSING
BOREHOLE PEM

User: Crone Geophysics Ltd.

Client
C.F.C.

File
e:hms12n

Grid
Mt-Sicker

Hole
MTS-12

Tx Loop
N

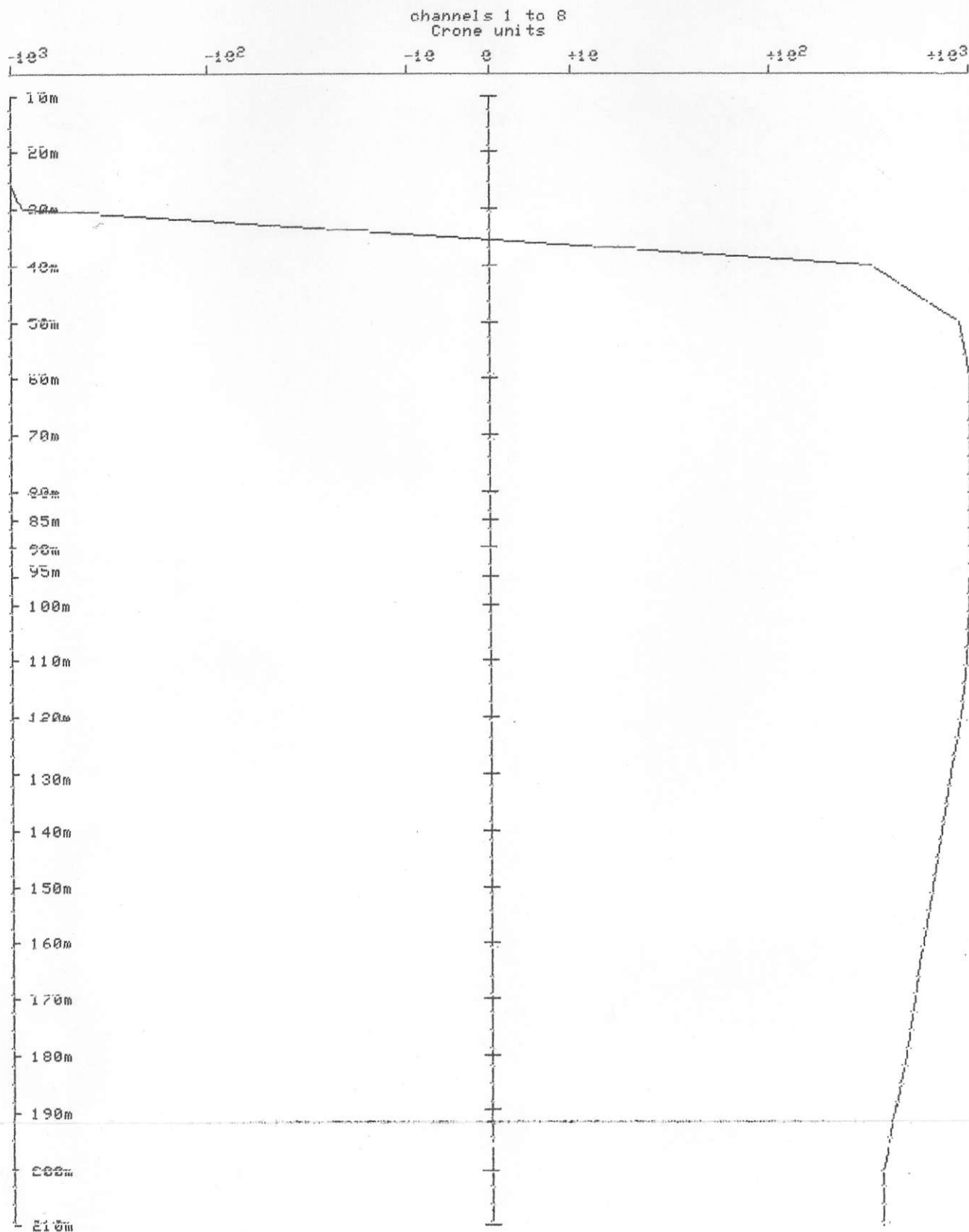
Time base: 10ms
Ramp time: 1.5ms

ZTS: 637
Gain: 250

Date: 19/02/86

Scale: 1:1000

PRIMARY PULSE



CRONE DATA LOGGER PROCESSING
REFERENCE PEM

User: Crone Geophysics Ltd

Client
Falconbridge

File
a:hms15c

Grid
MT-Sicker

Hole
MTS-15

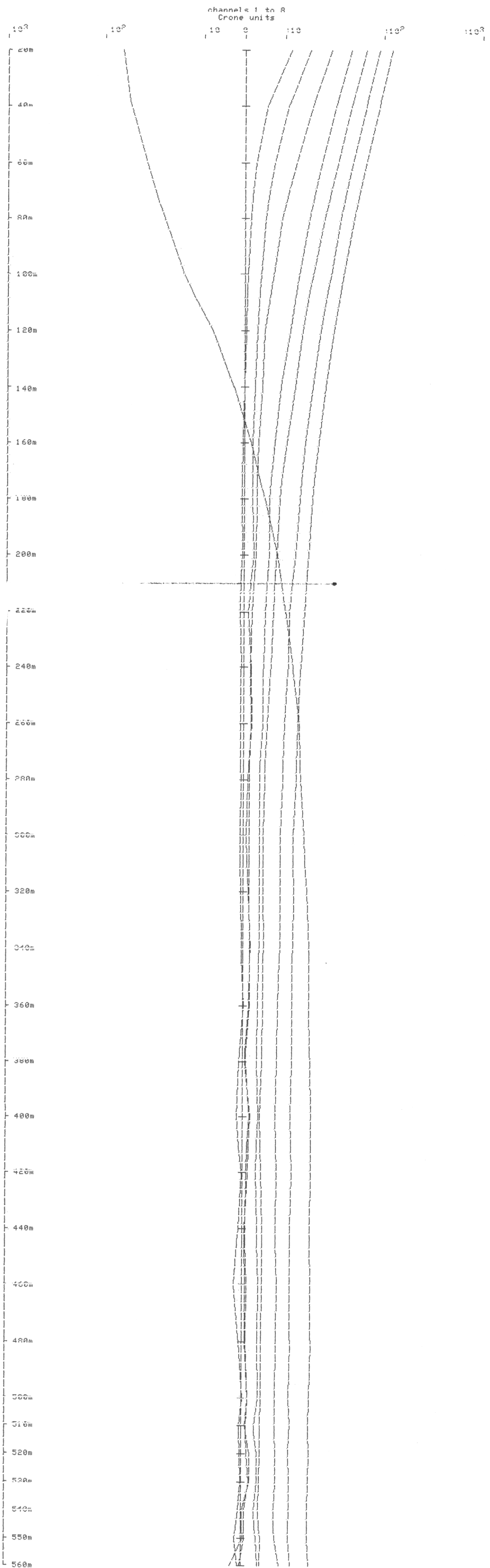
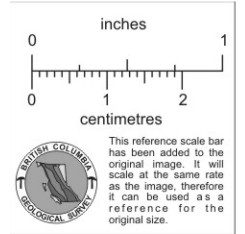
Tx Loop
C

Time base: 10ms
 Ramp time: 1.5ms

7TS: 619
 Gain: 500

Date: 11/02/86

Scale: 1:1000



CRONE DATALOGGER PROCESSING
BOREHOLE PEM

User: Crone Geophysics Ltd.

Client
Falconbridge

File
e: hms15c

Grid
MT-Sicker

Hole
MTS-15

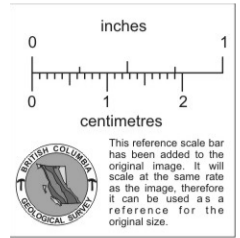
Tx Loop
C

Time base: 10ms
Ramp time: 1.5ms

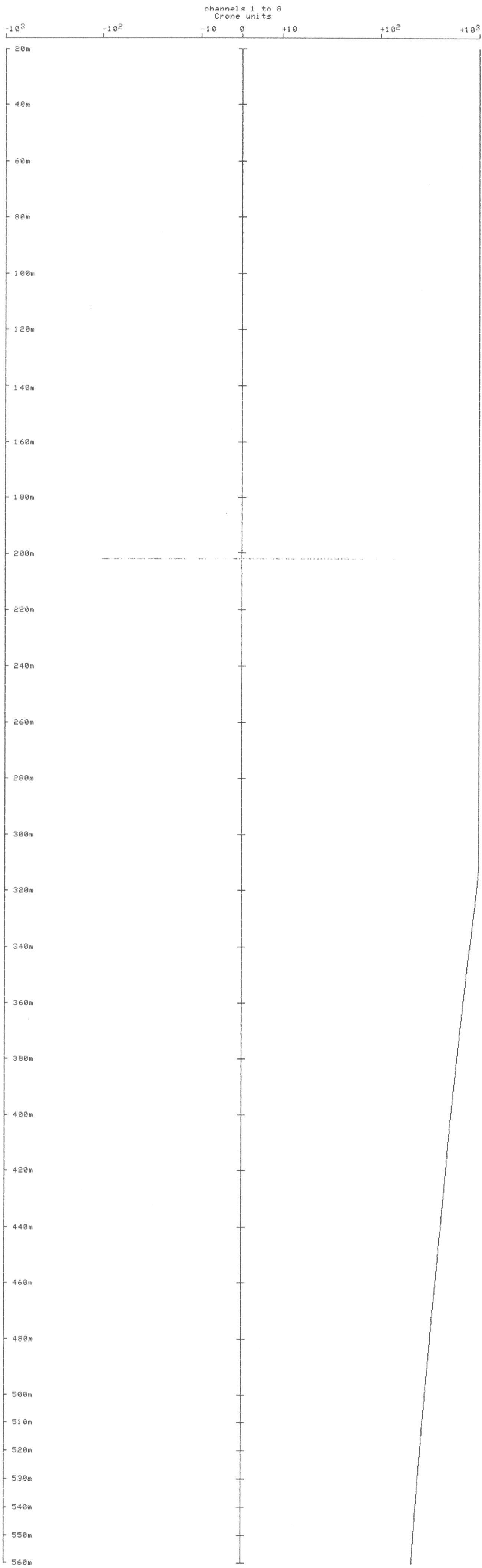
ZTS: 619
Gain: 500

Date: 11/02/86

Scale: 1:1000



PRIMARY PULSE



CRONE DATALOGGER PROCESSING
BOREHOLE PEM

User: Crone Geophysics Ltd.

Client
C.F.C.

File
E: HMS8N

Grid
Mt-Sicker

Hole
MTS-8

Tx Loop
N

Time base: 10ms
Ramp time: 1.5ms

ZTS: 639
Gain: 75

Date: 13/02/86

DEPTH	Ch.1	Ch.2	Ch.3	Ch.4	Ch.5	Ch.6	Ch.7	Ch.8	PP	GAIN
10m	-8.8	-11.0	-7.4	-6.6	-3.9	-3.0	-0.8	-2.2	-1214	75
20m	-4.1	-4.7	-2.8	-2.9	-1.3	-1.5	-0.5	-1.8	-1173	165
30m	-1.5	-1.4	0.0	-1.2	0.2	-0.5	0.5	-1.3	-406	250
40m	0.7	0.2	1.4	-0.4	1.0	-0.4	0.9	-1.5	213	250
50m	1.8	1.5	2.5	0.8	1.5	0.1	0.8	-1.2	530	250
60m	1.7	1.6	2.4	1.4	0.6	0.1	0.1	-0.6	671	250
70m	1.8	1.8	2.4	1.6	1.0	0.5	0.2	-0.5	718	250
80m	2.0	1.7	2.5	1.4	0.8	0.2	0.3	-0.1	714	250
90m	1.9	1.8	2.5	1.5	0.8	0.4	0.2	-0.5	686	250
100m	1.8	1.5	2.2	1.5	0.5	0.0	-0.3	-1.0	632	250
110m	1.6	1.5	2.4	0.9	0.2	0.0	0.3	-0.2	586	250
120m	1.5	1.0	2.0	0.9	0.7	0.0	0.3	-0.1	531	250
130m	1.7	1.1	1.8	0.7	0.5	-0.2	0.0	-0.4	486	250
140m	1.3	0.8	1.4	0.2	0.3	-0.1	0.3	0.0	442	250
150m	0.9	0.2	1.2	0.4	0.0	-0.4	-0.3	-1.3	378	250
160m	0.4	0.3	1.0	0.2	-0.3	-0.3	-0.1	-0.3	344	250
170m	0.2	-0.1	0.4	-0.1	-0.1	-0.8	-0.2	-0.6	314	250
180m	0.1	-0.2	0.4	-0.4	-0.2	-0.6	-0.3	-1.1	289	250
190m	-0.2	-0.5	0.2	-0.4	-0.5	-0.6	-0.6	-0.7	264	250
200m	-0.2	-0.5	0.2	-0.4	-0.2	-0.4	0.1	-0.5	242	250
210m	0.1	-0.2	0.7	0.2	0.3	0.2	0.1	-0.3	221	250
220m	0.9	0.1	0.8	-0.1	0.2	-0.2	0.2	-0.4	200	250
230m	1.5	0.5	1.1	0.4	0.4	-0.1	0.3	-0.5	185	250
240m	1.3	0.6	1.2	0.5	0.2	-0.3	-0.4	-0.7	166	250
250m	1.5	0.5	1.1	0.3	0.5	-0.1	-0.1	-0.3	160	250

CRONE DATALOGGER PROCESSING
BOREHOLE PEM

User: Crone Geophysics Ltd.

Client
C.F.C.

File
E:HMS8W

Grid
Mt-Sicker

Hole
MTS-8

Tx Loop
W

Time base: 10ms
Ramp time: 1.5ms

ZTS: 635
Gain: 30

Date: 13/02/86

DEPTH	Ch.1	Ch.2	Ch.3	Ch.4	Ch.5	Ch.6	Ch.7	Ch.8	PP	GAIN
10m	-22.7	-24.1	-18.3	-14.6	-10.2	-6.2	-3.5	-3.1	-1212	30
20m	-9.4	-10.5	-6.9	-6.2	-4.2	-3.0	-1.4	-1.7	-1211	75
30m	-1.2	-1.5	-0.8	-1.4	-0.8	-0.5	-0.4	-1.1	-228	250
40m	3.6	3.3	3.9	2.1	1.4	0.6	0.4	-0.5	1050	250
50m	5.2	5.2	5.4	3.3	2.3	1.1	0.2	-0.7	1114	250
60m	5.3	5.7	5.5	3.5	2.2	0.9	0.4	-0.7	1116	250
70m	5.0	5.1	5.6	3.5	2.5	1.0	0.5	-0.6	1103	250
80m	4.3	4.5	4.8	2.7	2.1	0.5	0.3	-0.6	1093	160
90m	4.0	3.6	4.0	2.6	1.3	0.5	0.6	-0.6	1071	190
100m	2.7	3.0	3.4	2.1	1.2	0.3	-0.1	-0.1	1039	210
110m	2.1	2.4	3.1	1.7	1.1	0.2	0.3	-1.2	994	250
120m	1.7	1.7	2.7	1.5	0.9	0.1	-0.1	-0.6	870	250
130m	1.0	1.5	2.5	1.2	0.5	-0.1	-0.2	-0.8	752	250
140m	0.6	1.2	2.0	1.0	0.3	0.1	-0.2	-0.5	656	250
150m	-0.1	0.6	2.1	0.9	0.4	0.1	0.2	-1.0	563	250
160m	0.0	0.4	1.3	0.4	0.3	-0.2	0.0	-0.9	492	250
170m	-0.2	0.2	1.2	0.1	-0.2	-0.6	-0.2	-1.1	426	250
180m	-0.2	0.2	1.2	0.2	0.2	-0.4	0.1	-1.6	379	250
190m	-0.6	-0.2	0.7	-0.2	-0.2	-0.5	-0.4	-0.4	333	250
200m	-0.8	-0.5	0.5	-0.2	0.2	-0.4	0.0	-1.1	294	250
210m	-1.2	-0.6	0.4	-0.3	-0.3	-0.5	-0.2	-0.8	261	250
220m	-0.8	-0.5	0.5	-0.2	0.0	-0.5	-0.1	-0.8	234	250
230m	-0.3	-0.2	0.8	-0.2	0.1	0.0	-0.1	-0.8	207	250
240m	-0.1	-0.3	0.6	-0.1	0.1	-0.2	0.0	-1.3	184	250
250m	0.3	-0.4	0.6	-0.2	0.3	-0.1	0.2	-0.9	163	250

**CRONE DATALOGGER PROCESSING
BOREHOLE PEM**

User: Crone Geophysics Ltd.

Client
C.F.C.

File
E:HMS8E

Grid
Mt-Sicker

Hole
MTS-8

Tx Loop
E

Time base: 10ms
Ramp time: 1.5ms

ZTS: 635
Gain: 120

Date: 13/02/86

DEPTH	Ch.1	Ch.2	Ch.3	Ch.4	Ch.5	Ch.6	Ch.7	Ch.8	PP	GAIN
10m	-6.1	-7.0	-4.5	-4.2	-3.0	-2.4	-1.2	-2.1	-1206	120
20m	-4.9	-6.0	-3.8	-3.6	-2.3	-2.3	-0.5	-1.7	-1198	140
30m	-3.8	-4.6	-2.7	-2.9	-1.8	-1.8	-0.8	-1.7	-1132	190
40m	-3.0	-3.2	-1.5	-2.2	-1.4	-1.2	-0.7	-1.2	-860	250
50m	-1.6	-1.9	-0.7	-1.2	-0.8	-0.7	-0.2	-1.7	-457	250
60m	-0.5	-0.9	0.2	-0.6	0.0	-0.4	-0.3	-1.3	-126	250
70m	0.2	-0.3	0.8	0.0	0.1	-0.3	0.0	-1.2	103	250
80m	0.2	0.4	1.1	0.1	0.2	-0.2	0.3	-0.5	269	250
90m	0.7	0.5	1.2	0.5	0.5	0.0	0.3	-0.4	367	250
100m	0.8	0.8	1.5	0.5	0.3	-0.2	0.1	-0.1	419	250
110m	0.8	0.7	1.6	0.6	0.3	-0.2	0.4	-0.4	455	250
120m	0.6	0.6	1.6	0.4	0.5	-0.2	-0.4	-0.6	458	250
130m	0.5	0.6	1.5	0.3	0.4	-0.2	0.1	-0.8	454	250
140m	0.6	0.6	1.6	0.2	0.5	-0.1	0.2	-0.6	433	250
150m	0.5	0.5	1.3	0.6	0.5	-0.2	-0.2	-1.3	413	250
160m	0.2	0.3	1.0	0.4	0.5	-0.1	0.2	-0.8	394	250
170m	0.4	0.2	0.9	0.2	0.2	-0.3	-0.3	-1.0	365	250
180m	0.0	-0.1	0.5	-0.1	0.1	-0.3	0.3	-0.7	340	250
190m	0.0	-0.2	0.6	-0.4	-0.2	-0.5	-0.3	-0.6	315	250
200m	-0.4	-0.4	0.6	-0.4	-0.2	-0.5	-0.3	-0.9	297	250
210m	-0.3	-0.3	0.3	-0.2	-0.4	-0.4	-0.2	-0.6	277	250
220m	-0.2	-0.2	0.5	-0.1	-0.1	-0.5	-0.5	-0.9	251	250
230m	0.5	0.1	0.8	0.1	0.0	-0.5	-0.5	-1.1	232	250
240m	0.5	0.4	1.2	0.2	0.1	0.2	0.3	-0.5	212	250
250m	0.9	0.4	1.0	0.2	0.1	-0.1	0.2	-0.2	195	250

**CRONE DATALOGGER PROCESSING
BOREHOLE PEM**

User: Crone Geophysics Ltd.

Client
C.F.C.

File
E:HMS8S

Grid
Mt-Sicker

Hole
MTS-8

Tx Loop
S

Time base: 101ms
Ramp time: 0.5ms

ZTS: 636
Gain: 80

Date: 13/02/86

DEPTH	Ch.1	Ch.2	Ch.3	Ch.4	Ch.5	Ch.6	Ch.7	Ch.8	PP	GAIN
10m	-9.1	-10.1	-6.9	-5.8	-4.1	-2.7	-1.1	-1.9	-1213	80
20m	-6.6	-8.0	-5.2	-4.7	-2.8	-2.0	-1.1	-1.5	-1209	100
30m	-3.6	-4.4	-2.6	-2.4	-1.6	-1.2	-0.4	-1.4	-1171	110
40m	-3.1	-3.1	-1.5	-1.6	-0.8	-0.8	-0.7	-1.4	-761	250
50m	-1.1	-1.2	-0.2	-0.5	-0.4	-0.5	-0.1	-0.5	-156	250
60m	0.1	0.2	1.4	0.2	0.4	-0.2	0.0	-0.8	271	250
70m	0.6	1.0	1.9	0.7	0.4	0.0	-0.1	-0.9	532	250
80m	1.2	1.5	2.4	1.2	0.8	0.7	0.5	-1.0	673	250
90m	1.4	1.8	2.5	1.2	0.7	0.4	0.6	-0.5	744	250
100m	1.2	1.7	2.5	1.4	0.7	0.3	0.1	-0.6	754	250
110m	1.1	1.5	2.5	1.2	0.8	0.0	-0.1	-0.7	742	250
120m	0.8	1.3	2.2	1.1	0.8	0.2	0.1	-0.8	701	250
130m	0.7	1.2	1.9	0.9	0.6	-0.1	-0.2	-0.9	658	250
140m	0.4	0.9	2.0	0.7	0.4	-0.2	0.1	-1.2	610	250
150m	0.2	0.8	1.9	1.0	0.6	0.2	0.2	-0.7	558	250
160m	0.2	0.7	1.6	0.8	0.5	-0.2	-0.2	-0.3	508	250
170m	0.5	0.7	1.5	0.7	0.2	-0.3	-0.1	-1.0	462	250
180m	0.3	0.5	1.2	0.4	0.3	-0.5	-0.3	-0.7	415	250
190m	0.6	0.2	1.3	0.2	0.2	-0.3	-0.4	-1.0	377	250
200m	0.0	0.0	0.9	0.0	0.0	-0.3	-0.2	-1.0	347	250
210m	-0.5	-0.2	0.7	0.0	0.0	-0.2	-0.1	-1.0	319	250
220m	-0.4	-0.1	0.8	-0.1	0.3	-0.2	-0.2	-0.5	288	250
230m	-0.3	-0.2	0.7	-0.2	0.2	-0.3	-0.1	-1.0	260	250
240m	-0.1	0.0	0.8	-0.1	0.0	-0.2	-0.1	-0.9	236	250
250m	0.1	0.0	0.7	0.2	0.2	-0.2	-0.3	-1.0	214	250

CRONE DATALOGGER PROCESSING
BOREHOLE PEM

User: Crone Geophysics Ltd.

Client
C.F.C.

File
E:HM

Grid
Mt-Sicker

Hole
MTS-8

Tx Loop
C

Time base: 10ms
Ramp time: 1.5ms

ZTS: 638
Gain: 10

Date: 13/02/86

DEPTH	Ch.1	Ch.2	Ch.3	Ch.4	Ch.5	Ch.6	Ch.7	Ch.8	PP	GAIN
10m	95.9	100.2	80.3	58.6	40.9	23.9	14.1	8.9	1184	10
20m	72.0	75.1	60.6	44.1	31.2	18.1	10.9	6.0	1183	13
30m	52.1	54.9	45.0	32.5	23.5	13.6	8.2	4.1	1184	15
40m	37.2	39.4	32.5	23.8	17.0	9.7	5.6	2.4	1183	20
50m	27.0	28.5	24.3	17.4	13.0	6.8	4.0	1.0	1183	25
60m	19.9	21.3	18.0	12.8	9.4	5.4	2.5	0.1	1183	35
70m	14.5	15.6	13.4	9.4	7.2	3.8	2.7	0.5	1179	45
80m	11.3	12.0	10.5	7.1	5.8	3.0	2.0	-0.1	1171	60
90m	8.4	9.2	8.4	5.6	4.5	1.8	1.6	-0.2	1164	80
100m	6.7	7.1	6.9	4.0	3.6	1.3	0.8	-1.3	1153	100
110m	4.9	5.5	5.6	3.5	3.0	1.2	1.0	-0.5	1135	125
120m	3.3	4.1	4.5	2.5	2.6	0.8	1.2	-0.2	1101	155
130m	2.8	3.1	3.7	2.0	1.9	0.4	1.0	-1.0	1076	190
140m	2.2	2.6	3.2	1.5	2.1	0.8	1.0	-0.7	1031	220
150m	1.8	1.9	2.9	1.1	1.8	0.5	0.8	-0.8	920	250
160m	1.5	1.6	2.4	0.9	1.5	0.6	1.2	-0.6	780	250
170m	0.8	1.1	1.9	0.3	1.2	-0.1	0.9	-0.2	670	250
180m	0.5	0.5	1.5	0.0	0.9	-0.2	0.8	-0.8	580	250
190m	0.0	0.2	1.2	-0.2	0.8	-0.5	0.5	-0.8	504	250
200m	-0.5	0.0	0.8	-0.2	0.6	-0.5	0.3	-1.6	444	250
210m	-0.5	0.0	0.8	-0.4	0.7	-0.2	0.4	-1.4	392	250
220m	-0.3	0.3	0.8	-0.2	0.8	-0.3	0.5	-1.0	346	250
230m	0.5	0.2	1.3	0.1	0.9	-0.2	0.8	-0.8	303	250
240m	0.4	0.3	0.8	0.1	1.1	-0.1	0.8	-1.5	267	250
250m	0.9	0.8	1.0	0.1	1.3	-0.1	0.8	-1.2	243	250

**CRONE DATA LOGGER PROCESSING
BOREHOLE PEM**

User: Crone Geophysics Ltd.

Client
C.F.C.

File
E:HMS11C

Grid
Mt-Sicker

Hole
MTS-11

Tx Loop
C

Time base: 10ms
Ramp time: 1.5ms

ZTS: 640
Gain: 12

Date: 15/02/86

DEPTH	Ch.1	Ch.2	Ch.3	Ch.4	Ch.5	Ch.6	Ch.7	Ch.8	PP	GAIN
10m	79.9	81.5	70.6	58.9	47.9	37.2	27.3	21.8	1191	12
20m	55.2	54.8	45.1	34.7	24.9	16.5	9.8	7.2	1191	16
30m	44.6	44.0	35.4	26.3	18.1	11.5	6.1	3.9	1191	20
40m	36.1	35.3	28.4	21.0	14.3	8.7	4.5	2.7	1191	25
50m	30.5	29.3	23.7	17.7	12.0	7.3	3.6	1.9	1189	30
60m	25.9	24.5	19.9	14.6	10.1	5.9	3.0	1.9	1188	35
70m	22.6	20.7	16.9	12.2	8.2	4.9	2.6	1.3	1183	45
80m	19.5	17.8	14.4	10.8	6.7	4.5	1.9	1.2	1182	50
90m	17.9	15.5	12.8	9.0	6.0	3.5	1.8	1.1	1174	60
100m	15.8	13.6	11.1	8.1	4.9	2.8	1.3	0.0	1167	70
110m	14.2	12.2	9.9	7.3	4.4	2.8	0.8	-0.2	1167	85
120m	14.2	11.4	9.2	6.6	3.9	2.3	0.8	0.5	1152	100
130m	13.4	10.3	8.4	5.9	3.6	1.9	0.6	0.1	1142	110
140m	13.0	10.1	8.0	5.4	3.2	1.8	0.9	0.2	1132	125
150m	12.7	9.4	7.4	5.1	3.1	1.5	0.9	0.3	1114	140
160m	10.6	7.7	6.4	4.2	2.6	1.6	0.5	0.0	1095	160
170m	5.1	4.0	4.4	3.2	1.9	1.2	0.4	0.2	1070	190
180m	3.4	2.8	3.3	2.9	1.8	1.2	0.2	0.0	1044	205
190m	6.4	4.2	4.3	3.2	1.9	1.1	0.6	0.2	1021	240
200m	8.0	5.0	4.6	3.0	1.9	1.1	0.6	0.0	1000	250
210m	8.3	5.2	4.7	2.9	1.7	0.8	0.3	-0.4	961	250
220m	8.2	5.3	4.4	2.8	1.5	0.8	0.2	0.2	880	250
230m	8.1	5.2	4.1	2.5	1.5	0.6	0.3	-0.2	813	250
240m	7.6	4.6	3.8	2.6	1.4	0.9	0.1	0.0	713	250
250m	7.7	4.7	3.9	2.6	1.5	0.6	0.5	0.4	686	250
260m	7.0	3.9	3.2	2.2	1.0	0.4	0.2	-0.2	582	250
270m	6.3	3.5	3.1	1.9	1.1	0.2	0.2	-0.3	516	250
280m	6.4	3.6	3.4	2.2	1.0	0.3	0.2	-0.7	483	250
290m	6.8	3.9	3.2	1.9	1.2	0.4	0.3	-0.2	467	250
300m	6.3	3.5	2.9	1.7	0.8	0.2	0.2	-0.2	415	250
310m	5.9	3.4	2.6	1.5	0.8	0.1	-0.1	-0.6	373	250
320m	6.5	3.6	2.9	1.6	1.0	0.5	0.0	-0.2	371	250
330m	6.3	3.9	2.9	1.9	0.8	0.4	0.2	-0.1	364	250

CRONE DATALOGGER PROCESSING
BOREHOLE PEM

User: Crone Geophysics Ltd.

Client
C.F.C.

File
E:HMS11N

Grid
Mt-Sicker

Hole
MTS-11

Tx Loop
N

Time base: 10ms
Ramp time: 1.5ms

ZTS: 638
Gain: 35

Date: 15/02/86

DEPTH	Ch.1	Ch.2	Ch.3	Ch.4	Ch.5	Ch.6	Ch.7	Ch.8	PP	GAIN
10m	-31.2	-32.6	-28.1	-24.5	-20.7	-16.1	-11.6	-9.6	-1218	35
20m	-16.3	-16.9	-13.2	-10.8	-8.3	-5.9	-3.7	-3.0	-1217	50
30m	-7.9	-8.7	-6.1	-5.9	-4.4	-3.2	-1.8	-1.9	-1192	95
40m	-1.8	-3.2	-2.2	-2.2	-1.8	-1.5	-0.9	-1.9	-1015	250
50m	2.1	0.2	0.4	-0.4	-0.5	-0.9	-0.5	-1.2	-251	250
60m	4.6	2.8	2.3	1.2	0.8	0.2	-0.1	-0.9	355	250
70m	6.3	4.0	3.9	2.2	1.5	0.5	0.1	-0.3	719	250
80m	7.4	4.8	4.6	2.7	1.6	0.4	0.1	-0.5	950	250
90m	8.1	5.5	5.1	3.2	1.8	1.0	0.4	-0.8	985	250
100m	9.0	5.5	5.1	3.1	1.9	0.8	0.2	-0.7	994	250
110m	8.7	5.8	5.3	3.2	1.8	0.9	0.3	0.1	989	250
120m	8.8	5.7	5.1	2.9	1.8	0.8	0.5	0.0	979	250
130m	9.3	6.2	5.3	3.2	1.9	0.5	0.2	-0.1	968	250
140m	9.7	6.2	5.5	3.3	2.1	0.8	0.3	-0.6	942	250
150m	9.7	6.3	5.0	3.1	1.7	1.0	0.9	-0.1	906	250
160m	7.9	4.9	4.6	2.7	1.5	0.3	0.0	-0.6	850	250
170m	4.1	2.3	3.0	2.0	1.5	0.5	0.5	0.4	802	250
180m	3.0	1.8	2.9	1.9	1.2	0.5	0.2	-0.3	742	250
190m	4.9	2.7	3.2	1.8	1.0	0.1	0.4	0.1	698	250
200m	6.4	3.8	3.6	2.2	1.5	0.5	-0.1	-0.3	658	250
210m	7.0	3.9	3.6	1.9	1.1	0.7	0.8	0.5	613	250
220m	7.1	3.9	3.6	2.2	1.4	0.8	0.8	-0.1	556	250
230m	7.3	4.1	3.5	2.0	1.1	0.2	0.3	0.6	533	250
240m	6.4	3.4	3.2	1.7	0.8	0.1	-0.2	-0.8	456	250
250m	6.6	3.6	3.5	1.9	1.1	0.4	0.2	-0.6	426	250
260m	5.6	3.2	2.7	1.2	0.9	-0.1	0.1	-0.7	364	250
270m	5.6	3.4	2.6	1.3	0.7	0.1	-0.1	-0.5	351	250
280m	5.9	3.2	2.9	1.3	0.9	0.5	0.5	-0.5	339	250
290m	6.3	3.2	3.2	1.9	1.0	0.1	-0.1	-0.5	345	250
300m	6.1	3.4	2.4	0.9	0.7	-0.1	0.6	-0.2	279	250
310m	5.6	2.9	2.6	1.3	1.1	0.5	0.6	0.0	261	250
320m	5.9	3.3	2.9	1.5	0.9	0.2	-0.1	-0.3	272	250
330m	6.3	3.4	3.1	1.5	0.9	0.2	0.4	-0.7	276	250

CRONE DATA LOGGER PROCESSING
BOREHOLE PFM

User: Crone Geophysics Ltd.

Client
C.F.C.

File
E:HMS120

Grid
Mt-Sicker

Hole
MTS-12

Tx Loop
C

Time base: 10ms
Ramp time: 1.5ms

7TS: 636
Gain: 10

Date: 19/02/86

DEPTH	Ch.1	Ch.2	Ch.3	Ch.4	Ch.5	Ch.6	Ch.7	Ch.8	PP	GAIN
10m	88.4	87.3	70.5	52.4	38.2	24.4	15.8	9.8	1164	10
20m	67.5	67.2	54.5	40.1	29.2	18.4	11.2	5.7	1164	15
30m	49.8	50.3	41.4	30.1	22.2	14.1	8.8	4.5	1164	18
40m	36.7	37.0	30.7	22.2	16.4	9.9	5.8	2.1	1165	22
50m	27.0	27.6	23.1	16.5	12.3	7.2	4.5	1.7	1165	30
60m	20.2	20.8	17.7	12.3	9.2	5.6	3.3	0.7	1165	37
70m	15.4	15.7	13.8	9.3	7.3	4.0	2.1	0.2	1162	47
80m	11.8	12.0	10.9	7.1	5.7	3.0	2.2	-0.1	1158	63
85m	10.6	11.2	10.4	6.6	5.5	3.1	1.7	-1.4	1156	75
90m	9.0	9.1	8.4	5.0	4.2	2.0	1.6	-0.6	1153	80
95m	8.5	8.7	8.2	5.3	4.4	2.2	1.0	-1.5	1152	85
100m	7.2	7.3	6.9	4.4	3.6	1.8	1.1	-0.1	1140	100
110m	5.6	5.9	6.1	3.6	3.1	1.6	1.5	-0.2	1124	120
120m	5.1	4.7	5.1	2.6	2.7	1.0	1.0	-1.1	1097	150
130m	4.4	4.1	4.4	2.2	2.4	0.9	0.6	-1.1	1077	175
140m	3.9	3.3	3.8	1.8	2.2	0.8	1.3	-1.1	1039	220
150m	3.6	3.0	3.7	1.6	2.0	1.0	0.8	-0.8	998	250
160m	2.9	2.6	3.2	1.5	1.4	0.9	1.3	-0.2	910	250
170m	3.0	2.3	2.8	1.1	1.4	0.0	0.0	-1.4	788	250
180m	2.7	2.1	3.0	1.2	1.5	0.1	0.7	-0.8	692	250
190m	2.5	1.8	2.5	0.6	1.2	0.0	0.6	-0.5	573	250
200m	2.2	1.5	2.3	0.9	1.2	0.6	0.8	-0.8	516	250
210m	2.1	1.2	2.3	0.9	1.3	0.2	0.6	-1.0	515	250

**CRONE DATALOGGER PROCESSING
BOREHOLE PEM**

User: Crone Geophysics Ltd.

Client
C.F.C.

File
E:HMS12N

Grid
Mt-Sicker

Hole
MTS-12

Tx Loop
N

Time base: 10ms
Ramp time: 1.5ms

ZTS: 637
Gain: 45

Date: 19/02/86

DEPTH	Ch.1	Ch.2	Ch.3	Ch.4	Ch.5	Ch.6	Ch.7	Ch.8	PP	GAIN
10m	-16.9	-17.6	-12.9	-11.1	-7.3	-4.9	-2.3	-3.1	-1203	45
20m	-8.2	-8.9	-6.0	-5.4	-3.5	-2.4	-0.9	-2.1	-1202	85
30m	-2.1	-2.7	-1.3	-2.0	-0.9	-0.8	0.2	-1.1	-833	250
40m	1.5	0.8	1.8	0.1	0.6	-0.3	0.3	-1.0	322	250
50m	3.3	2.5	3.3	1.5	1.5	0.2	0.6	-0.8	899	250
60m	4.0	3.1	3.7	1.9	1.7	0.8	0.8	-0.5	1003	250
70m	4.5	3.4	4.3	1.9	1.8	0.5	0.7	-0.8	1029	220
80m	4.2	3.6	4.0	2.0	1.6	0.6	0.3	-1.1	1030	225
85m	4.2	3.2	3.4	2.0	2.1	0.9	1.4	-0.6	1029	235
90m	4.5	3.3	3.9	1.9	1.8	0.6	0.4	-1.3	1004	250
95m	3.4	3.3	3.9	1.9	1.6	0.7	0.6	-0.9	1000	250
100m	4.1	3.2	3.8	1.7	1.9	0.7	0.5	-1.1	997	250
110m	3.6	2.8	3.6	1.8	1.7	0.7	0.9	-0.5	963	250
120m	3.5	2.6	3.5	1.6	1.6	0.4	0.4	-1.5	890	250
130m	3.2	2.2	3.1	1.4	1.5	0.4	0.6	-0.5	795	250
140m	3.5	2.1	3.1	1.7	1.4	0.9	0.9	0.2	712	250
150m	2.8	1.8	2.7	1.3	1.2	0.1	0.4	-0.8	640	250
160m	2.7	1.9	2.5	1.2	1.2	0.2	0.4	-0.3	581	250
170m	2.6	1.7	2.3	1.1	0.8	0.0	0.2	-0.4	520	250
180m	2.5	1.5	2.2	1.1	1.2	0.2	0.2	-0.8	469	250
190m	2.4	1.3	2.1	1.0	0.9	0.4	0.7	-0.5	409	250
200m	2.0	1.0	1.6	0.5	0.4	-0.2	0.1	0.1	358	250
210m	2.1	0.9	1.9	1.0	0.9	0.2	0.4	-1.0	356	250

**CRONE DATALOGGER PROCESSING
BOREHOLE PEM**

User: Crone Geophysics Ltd.

Client
Falconbridge

File
e:hms15c

Grid
MT-Sicker

Hole
MTS-15

Tx Loop
C

Time base: 10ms
Ramp time: 1.5ms

ZTS: 619
Gain: 500

Date: 11/02/86

DEPTH	Ch.1	Ch.2	Ch.3	Ch.4	Ch.5	Ch.6	Ch.7	Ch.8	PP	GAIN
20m	-66.8	121.1	90.9	66.2	47.2	29.4	18.2	11.5	1183	500
40m	-54.4	90.2	66.5	47.1	32.3	18.9	10.8	5.6	1183	18
60m	-38.0	66.5	48.8	34.1	23.4	12.9	7.5	2.9	1184	23
80m	-25.3	49.8	36.6	24.9	17.7	9.2	5.3	1.5	1184	30
100m	-16.1	39.4	29.3	19.4	13.8	7.2	4.2	0.9	1184	40
120m	-7.8	31.2	23.1	15.3	11.3	5.1	3.2	0.5	1184	55
140m	-2.4	26.2	19.4	12.8	9.1	4.5	2.6	0.0	1184	70
160m	1.8	22.4	16.4	10.5	7.7	3.6	2.1	-0.2	1185	95
180m	5.3	19.5	14.4	9.0	6.4	3.2	2.2	-0.4	1185	120
200m	8.4	17.6	13.0	8.2	6.3	3.1	2.5	-0.2	1185	160
220m	10.4	16.2	11.3	7.5	5.5	2.1	1.2	-0.8	1185	200
240m	12.3	15.0	11.2	6.8	5.0	1.8	1.9	-0.5	1185	250
260m	14.3	13.9	10.2	5.9	4.8	2.0	2.1	-0.7	1184	310
280m	14.9	13.5	9.8	5.4	4.2	1.5	1.2	-0.5	1185	370
300m	16.2	12.6	9.2	5.1	4.1	1.5	0.8	-0.7	1123	450
320m	17.3	12.8	9.2	5.1	4.1	1.5	1.4	-0.4	951	500
340m	18.3	12.6	9.3	5.2	4.2	1.8	1.9	-0.2	814	500
360m	18.4	12.3	8.7	5.0	3.8	1.8	1.6	0.2	703	500
380m	19.1	12.4	8.5	4.8	3.6	0.9	0.7	-0.9	613	500
400m	19.2	11.9	8.2	4.4	4.0	1.8	1.9	-1.4	530	500
420m	19.4	12.3	8.5	4.7	3.4	1.0	1.4	-0.1	467	500
440m	19.1	12.0	8.4	5.1	3.7	0.9	0.6	-0.8	415	500
460m	19.4	11.9	8.7	5.1	4.2	1.2	0.9	-1.9	366	500
480m	19.8	12.2	8.5	4.8	3.9	1.0	0.8	-0.7	327	500
500m	19.1	11.8	8.3	4.9	4.1	1.5	1.6	0.2	290	500
510m	18.8	12.1	8.4	4.7	3.3	1.2	1.1	-0.5	274	500
520m	19.1	11.8	8.5	4.7	4.0	1.4	2.1	-0.2	262	500
530m	18.6	11.9	8.5	4.5	3.9	2.0	2.1	-0.1	247	500
540m	18.5	11.9	8.2	4.4	3.3	0.9	0.2	-0.6	237	500
550m	18.5	11.8	8.4	4.9	3.8	0.8	0.5	-1.5	223	500
560m	19.0	12.4	9.4	4.7	4.2	-0.3	-2.6	-0.8	216	500