

crone

Crone Pulse-EM Survey

North American Nickel Inc.
Maniitsoq Project- Southwest Greenland

*Geophysical Survey & Logistics Report
June - September 2016*

Conducted by:
Crone Geophysics & Exploration Ltd.



Table of Contents

Introduction	3
Property Location & Access	3
Personnel	6
Equipment	6
Survey Methods	8
Data Quality	9
Data Acquisition Parameters	9
Production Summary	11
References	15

List of Figures

Figure 1: Maniitsoq Project Location Map	4
Figure 2: Maniitsoq Project Location and SPEM Map	5
Figure 3: Standard Channel Configurations	7
Figure 4: Standard Crone Pulse-EM Waveform	8

List of Tables

Table 1: Surface Survey Transmitter Loop Coverage	9
Table 2: Surface Survey Coverage	10
Table 3: Total Production Summary	11

Appendices

Appendix 1: Channel Configurations	16
Appendix 2: Profile Plan Maps	18
Appendix 3: Linear (5-Axis) Pulse-EM Data Profiles	26
Appendix 4: Pulse-EM Data Profiles (Lin-Log) Scale	103
Appendix 5: Step Response Data Profiles	180

Introduction

Crone Geophysics & Exploration Limited was contracted by North American Nickel to conduct Borehole/Surface Pulse Electromagnetic Surveys on its Maniitsoq project located in southwest Greenland. This report summarizes the surface geophysical work carried out during June 24th – September 20th, 2016.

Thirty-eight (38) surface lines covering 13.1 line kilometers of data, utilizing seven (7) separate transmitting loops were surveyed during this period. The appendices to this report contain page size plan maps, PEM profiles (linear 5-axis and logarithmic scale), and the Step response profiles.

Property Location & Access

The Maniitsoq project is situated along the south west coast of Greenland between latitude 64°53' N and 65°47' N and longitude 50°54' W and 52°50' W (Figure1). The village of Maniitsoq (population 2,530 (January 2014) is located 4 km west of the western boundary of the license. Maniitsoq has an airport with an 800 meter-long runway. Jet A fuel is available but there is no de-icing equipment. Scheduled commercial flights connect Maniitsoq to Kangerlussuaq, which is located 225 km to the northeast. Kangerlussuaq is the largest airport in Greenland and has regular non-stop flights to Copenhagen.

Nuuk, the capital of Greenland, is located approximately 130 km south of the project. It has a population of 16,818 (January 2014) and an airport with direct flights to Reykjavik, Iceland and connecting flights to Maniitsoq and Kangerlussuaq.

Access to the property was made via boat transportation from Nuuk to the North American Nickel (NAN) field camp located at 65° 10.45' N latitude and 51° 57.97' W longitude. The crew was based in the NAN field camp and accessed the survey grids by helicopter.

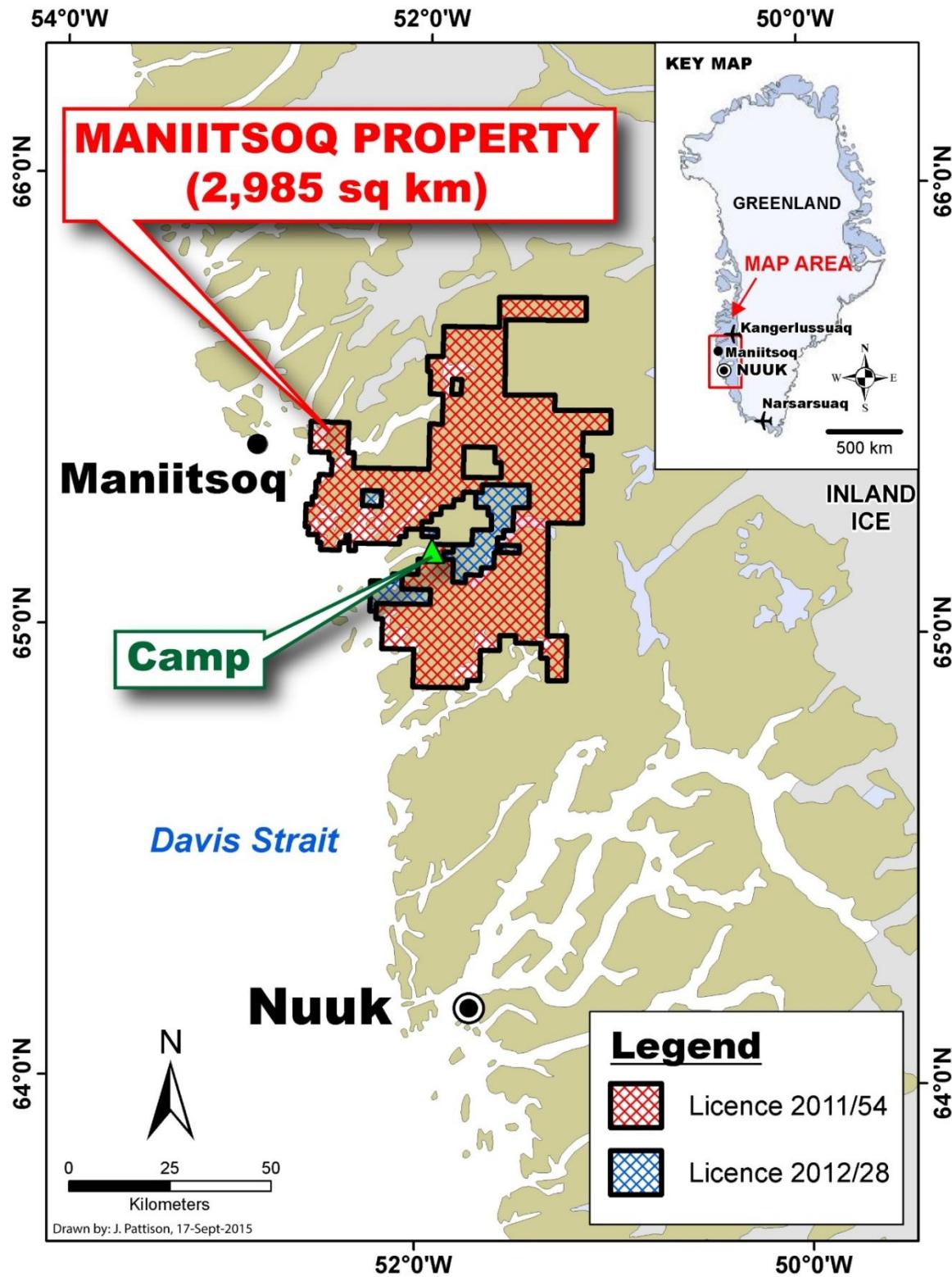


Figure 1: Maniitsoq Project Location Map

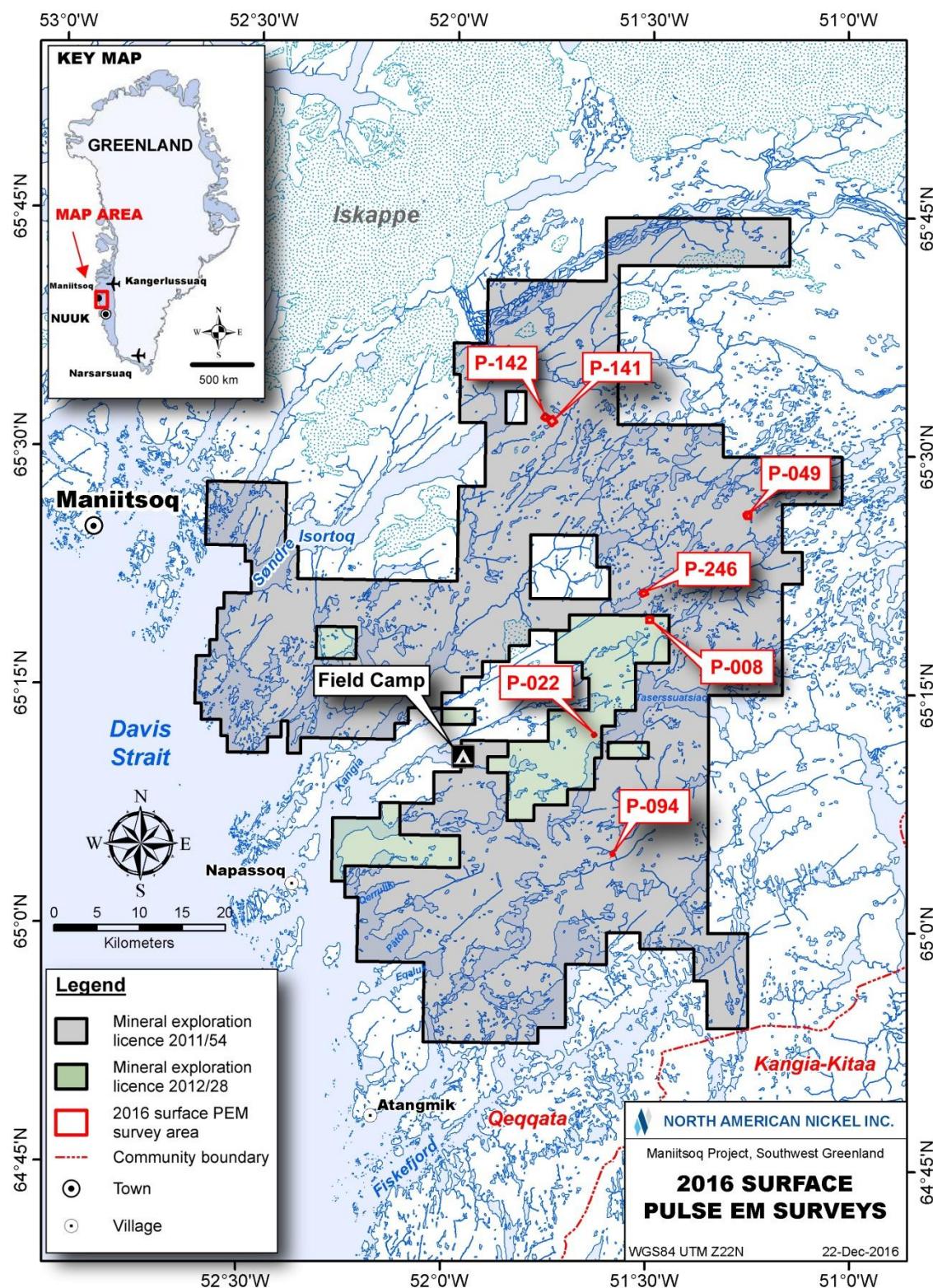


Figure 2: Maniitsoq Project Location and SPEM Map

Personnel

The surface EM survey was carried out at the same time as a borehole EM survey and resources were shared between the two surveys for laying loops. The personnel involved in this project during the reporting period include:

Survey Operator: Keith Falardeau, Morgan Glynn, Marty Lemler, Jordan Wilson

Data Processing: Kevin Ralph, Josh Lymburner

Report: Josh Lymburner

Equipment

Pulse-EM CDR2 Receiver



- 26-Bit equivalent A/D resolution
- Programmable gate configurations and optional full waveform
- Crone *Smartstacking* algorithm
- Sampling Rate: 250K samples/second | Sampling Interval: 4 μ sec
- Precision crystal oscillator or cable synchronization

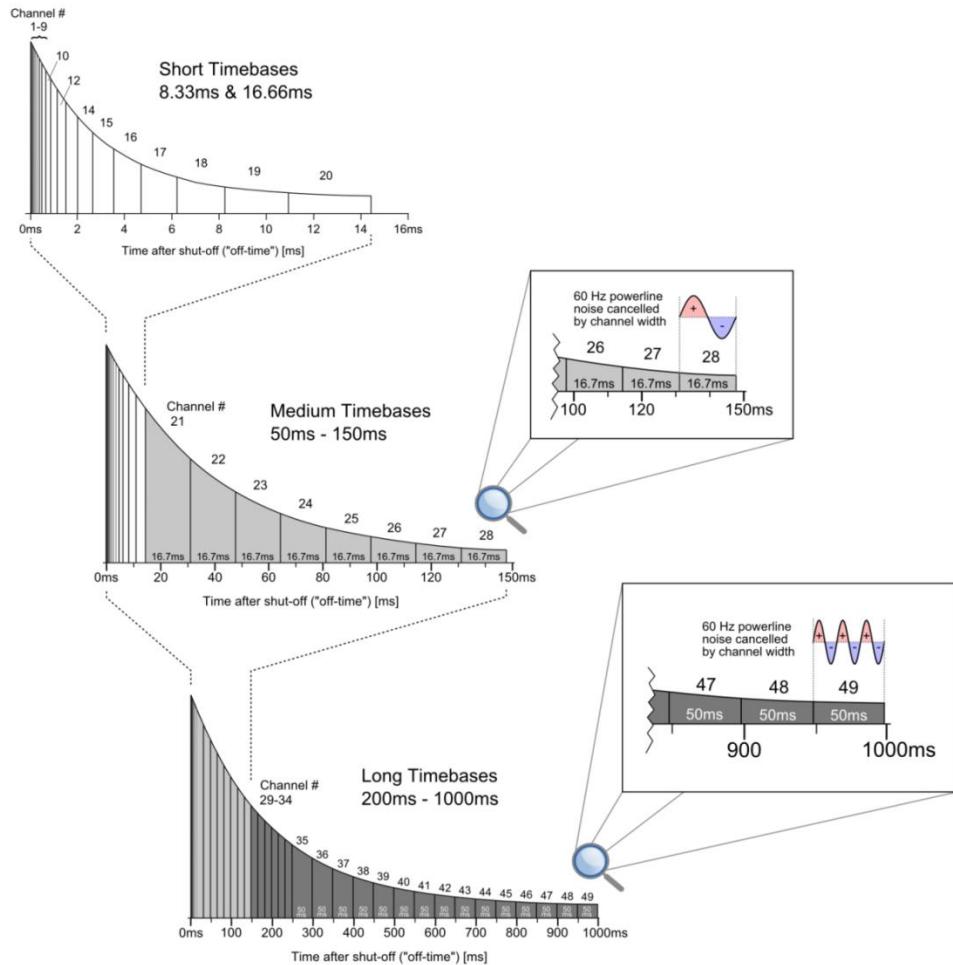


Figure 3: Standard Channel Configurations

Pulse-EM Transmitter



- 4.8kW for up to 30 amps in single or 60 amps in dual modes
- Timebases: 8.33ms to 2000ms
- Ramp Settings: Fast Ramp, 0.5ms, 1.0ms or 1.5ms
- Powered by Standard Motor Generator
- Current control and monitoring with optional loop damping
- Auto Shutdown and grounded case for safety

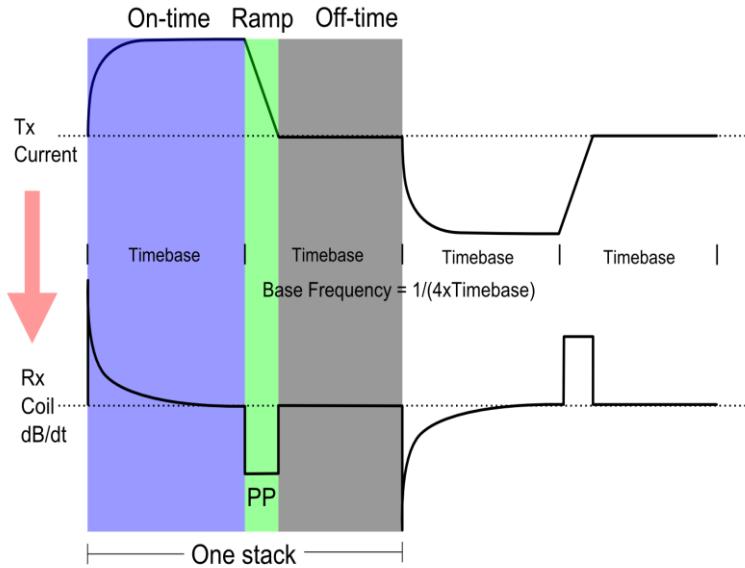


Figure 4: Standard Crone Pulse-EM Waveform

Survey Methods

Crone Pulse EM is a time domain electromagnetic method in which a precise pulse of current with a controlled linear shut off is transmitted through a large loop of wire on the ground and the rate of decay of the induced secondary field is measured across a series of time windows during the off-time. The EMF created by the shutting-off of the current induces eddy currents in nearby conductive material thus setting-up a secondary magnetic field. When the primary field is terminated, this magnetic field will decay with time. The amplitude of the secondary field and the decay rate are dependent on the quality and size of the conductor.

In addition to measuring the standard Primary Pulse channel in the Tx shut-off ramp and the off-time channels, the Step Response was also be calculated. Step Response requires accurate geometrical control in which the loop position and the station geometry are accurately determined. In the current surveys positional information was collected by Crone using a sub-meter capable GPS and regional base station.

Positional information is provided in the UTM projection (Zone 22 North), utilizing the WGS 1984 datum.

The Step Response is widely regarded as a very important tool in the search for high conductance massive sulphides. Bill Ravenhurst shows the details of the Step Response transformation which is a unique feature of the Crone Pulse EM System (Ravenhurst, W. R., 2001)

The surface surveys were carried out using a time base of 16.66MS and 50.00 ms. The primary inducing field is defined as positive up inside the transmitter loop.

Data units are nT/s for measured inductive coil data and % of total theoretical field for calculated step response data.

Data Quality

The project area is rugged and barren, and weather conditions are often windy. Wind blocks were set up to minimize coil movement. Data quality was generally good, but some stations are affected by coil movement in windy conditions.

Data Acquisition Parameters

Table 1: Surface Survey Transmitter Loop Coverage

Tx Loop	Property / Target	Size (meters)	Corner Coordinates UTM WGS 1984 Greenland Zone 22N
P-008	P-008	600 x 700	477100E, 7245172N
			476400E, 7245337N
			476398E, 7244849N
			477100E, 7244853N
P-022	P-022	300 x 300	470281E, 7231944N
			470039E, 7231778N
			470209E, 7231534N
			470453E, 7231708N

Tx Loop	Property / Target	Size (meters)	Corner Coordinates			
			UTM WGS 1984 Greenland Zone 22N			
P-049	P-049	575 x 750		487952E, 7257746N		
				487952E, 7256999N		
				488525E, 7257002N		
				488527E, 7257746N		
P-094	P-094	300 x 300		472423E, 7218001N		
				472256E, 7217886N		
				472362E, 7217597N		
				472606E, 7217764N		
P-141	P-141	800 x 800		465451E, 7268954N		
				464807E, 7268488N		
				465262E, 7267838N		
				465911E, 7268303N		
P-142	P-142	600 x 600		464497E, 7269253N		
				464290E, 7268678N		
				464562E, 7268500N		
				464990E, 7268909N		
P-246	P-246	400 x 700		475645E, 7248260N		
				475881E, 7247920N		
				476536E, 7248206N		
				476341E, 7248469N		

Table 2: Surface Survey Coverage

Line	Area / Targets #	Tx loop	Timebase (ms)	Off Time Channels	Ramp (ms)	Current (Amps)	Station From	Station To	Length (m)	Comp
50N	P-008	P-008	16.66	20	1.5	20	0	500	500	X,Z
100N	P-008	P-008	16.66	20	1.5	20	0	500	500	X,Z
150N	P-008	P-008	16.66	20	1.5	20	0	500	500	X,Z
200N	P-008	P-008	16.66	20	1.5	20	0	425	500	X,Z
250N	P-008	P-008	16.66	20	1.5	20	0	375	500	X,Z
0N	P-022	P-022	16.66	20	1.5	25	25	275	250	X,Z
50N	P-022	P-022	16.66	20	1.5	25	25	275	250	X,Z
100N	P-022	P-022	16.66	20	1.5	25	25	250	225	X,Z
9800N	P-049	P-049	50	24	1.5	18	1000	1500	500	X,Z
9850N	P-049	P-049	50	24	1.5	18	1000	1500	500	X,Z
9900N	P-049	P-049	50	24	1.5	18	1000	1500	500	X,Z
9950N	P-049	P-049	50	24	1.5	18	1000	1500	500	X,Z
10000N	P-049	P-049	50	24	1.5	18	1000	1475	500	X,Z
300E	P-094	P-094	16.66	20	1.5	25	0	250	250	X,Z

Line	Area / Targets #	Tx loop	Timebase (ms)	Off Time Channels	Ramp (ms)	Current (Amps)	Station From	Station To	Length (m)	Comp
350E	P-094	P-094	16.66	20	1.5	25	25	250	225	X,Z
400E	P-094	P-094	16.66	20	1.5	25	0	225	225	X,Z
1300N	P-094	P-094	16.66	20	1.5	25	0	250	250	X,Z
1350N	P-094	P-094	16.66	20	1.5	25	25	200	175	X,Z
1400N	P-094	P-094	16.66	20	1.5	25	0	175	175	X,Z
100E	P-141	P-141	16.66	20	1.5	17	0	700	700	X,Z
200E	P-141	P-141	16.66	20	1.5	17	0	700	700	X,Z
300E	P-141	P-141	16.66	20	1.5	17	0	700	700	X,Z
400E	P-141	P-141	16.66	20	1.5	17	0	700	700	X,Z
500E	P-141	P-141	16.66	20	1.5	17	0	550	550	X,Z
0N	P-142	P-142	16.66	20	1.5	23	0	425	425	X,Z
100N	P-142	P-142	16.66	20	1.5	23	0	425	425	X,Z
200N	P-142	P-142	16.66	20	1.5	23	0	425	425	X,Z
100E	P-246	P-246	50	24	1.5	22	100	250	150	X,Z
150E	P-246	P-246	50	24	1.5	22	100	250	150	X,Z
200E	P-246	P-246	50	24	1.5	22	100	250	150	X,Z
250E	P-246	P-246	50	24	1.5	22	100	250	150	X,Z
300E	P-246	P-246	50	24	1.5	22	125	250	125	X,Z
350E	P-246	P-246	50	24	1.5	22	125	275	150	X,Z
400E	P-246	P-246	50	24	1.5	22	125	275	150	X,Z
450E	P-246	P-246	50	24	1.5	22	125	275	150	X,Z
500E	P-246	P-246	50	24	1.5	22	125	275	150	X,Z
550E	P-246	P-246	50	24	1.5	22	100	275	175	X,Z
600E	P-246	P-246	50	24	1.5	22	100	275	175	X,Z

Production Summary

Table 3: Total Production Summary

Date (d.m.y)	Type of Day	Comments
24-Jun-16	MOB	MOB
25-Jun-16	MOB	MOB
26-Jun-16	MOB	MOB

Date (d.m.y)	Type of Day	Comments
27-Jun-16	Standby	Waited for gear to be moved to camp.
28-Jun-16	Looping	Organized the equipment and laid loop P-053.
29-Jun-16	Weather	Fog prevented access to the field. Checked remaining gear.
30-Jun-16	Looping	Laid loop P-142.
01-Jul-16	Survey	Surveyed line 0N from 0E to 425E, line 100N from 0E to 425E, and line 100N from 0E to 425E.
02-Jul-16	Looping	Laid and GPS'd loops P-059, P-059, P-004 and GPS'd loop P-053.
03-Jul-16	Looping	Picked up loop P-142 and moved gear to P-141.
04-Jul-16	Looping	Laid and GPS'd loop P-141. Dummied hole MQ-16- 104.
05-Jul-16	Survey	Surveyed hole MQ-16-104. Surveyed line 100E from 0N to 475N and line 200E from 0N to 375N.
06-Jul-16	Standby	Standby
07-Jul-16	Standby	Dummied hole MQ-16-106
08-Jul-16	Survey	Surveyed hole MQ-16-106. Surveyed lines 100E and 200E at P-141 grid.
09-Jul-16	Survey	Laid and GPS'd loops P-013 North and P-013 South.
10-Jul-16	Survey	Surveyed hole MQ-16-105.
11-Jul-16	Survey	Surveyed hole MQ-16-105 and MQ-16-107.
12-Jul-16	Survey	Surveyed lines 500E and 600E on P-141 grid. Surveyed hole MQ-16-105.
13-Jul-16	Survey	Surveyed lines 200E and 300E on P-141 grid. Dummied hole MQ-14-094Ext.
14-Jul-16	Survey	Picked up loop P-053. Surveyed MQ-15-094Ext.
15-Jul-16	Looping	Picked up loop P-141.
16-Jul-16	Looping	Started to lay loop P-049.
17-Jul-16	Survey	Surveyed hole MQ-16-109.
18-Jul-16	Survey	Finished surveying hole MQ-16-109.
19-Jul-16	Survey	Surveyed hole MQ-16-109 with fluxgate.
20-Jul-16	Survey	Surveyed hole MQ-16-108. Finished laying P-040 and surveyed lines 9800N and 9850N.
21-Jul-16	Survey	Surveyed hole MQ-16-108.
22-Jul-16	Survey	Surveyed lines 9900N and 9950N.
23-Jul-16	Survey	Surveyed line 10000N and picked up loop P-049.
24-Jul-16	Looping	Picked up loop P-049. Laid and GPS'd loop P-246.
25-Jul-16	Survey	Surveyed lines 600N, 550N, 500N and 450N on grid P-246.
26-Jul-16	Survey	Surveyed lines 400N, 350N, 300N and 250N on grid P-246. Surveyed hole MQ-16-110.
27-Jul-16		Surveyed lines 200N, 150N, and 100N on grid P-246.

Date (d.m.y)	Type of Day	Comments
28-Jul-16	Looping	Picked up loop P-013 North and South.
29-Jul-16	Survey	Surveyed hole MQ-16-111.
30-Jul-16	Survey	Surveyed hole MQ-16-111.
31-Jul-16	Survey	Surveyed hole MQ-16-112.
01-Aug-16	Looping	Laid and GPS'd loops Mikissoq, P-141 and P-142. Picked up loops P-004 and P-246.
02-Aug-16	Survey	Dummied hole MQ-16-114.
03-Aug-16	Survey	Surveyed hole MQ-16-114. Dummied hole MQ-16-113.
04-Aug-16	Survey	Surveyed hole MQ-16-113 and MQ-16-115.
05-Aug-16	Looping	Picked up loops P-141 and P-049.
06-Aug-16	Survey	Dummied hole MQ-16-116. Laid and GPS'd Spotty Hill loop.
07-Aug-16	Survey	Surveyed hole MQ-16-116.
08-Aug-16	Looping	Picked up loop P-142 and P-246.
09-Aug-16	Survey	Surveyed Hole MQ-16-117. Laid loop P-008.
10-Aug-16	Survey	Dummied hole MQ-16-118 and MQ-14-044Ext.
11-Aug-16	Survey	Surveyed hole MQ-14-044Ext.
12-Aug-16	Weather	Standby due to weather.
13-Aug-16	Looping	Laid loop P-008.
14-Aug-16	Survey	Attempted to survey, but conditions were too windy.
15-Aug-16	Looping	Unable to survey surface due to windy conditions. Laid loop P-094.
16-Aug-16	Survey	Surveyed lines 250N and 200N on grid P-008.
17-Aug-16	Survey	Surveyed lines 150N and 100N on grid P-008. Dummied upcoming boreholes.
18-Aug-16	Survey	Surveyed hole MQ-16-119. Laid loop P-030.
19-Aug-16	Survey	Surveyed hole MQ-16-118. Surveyed line 50N on Grid P-008.
20-Aug-16	Survey	Surveyed lines 300E, 350E 400E, 1300N, 1350N and 1400N on grid P-094.
21-Aug-16	Survey	Laid loop P-032. Surveyed hole MQ-16-120.
22-Aug-16	Survey	Surveyed holes MQ-16-120 and MQ-16-122.
23-Aug-16	Survey	Surveyed holes MQ-16-113 and MQ-16-117.
24-Aug-16	Survey	Surveyed hole MQ-16-117. Laid Mikissoq IP loop.
25-Aug-16	Survey	Surveyed hole MQ-16-123. Continuous RAD logging on MQ-16-119. Finished laying Mikissoq IP loop.
26-Aug-16	Survey	Surveyed hole MQ-16-129 and MQ-16-124.
27-Aug-16	Survey	Surveyed hole MQ-16-125.
28-Aug-16	Survey	Surveyed hole MQ-16-126 and picked up and re-laid loop. P-030
29-Aug-16	Looping	Finishing laying loop P-032 and picked up P-094, P-030 North and South.

Date (d.m.y)	Type of Day	Comments
30-Aug-16	Looping	Picked up loop P-246 and P-008, laid and GPS'd loop P-004.
31-Aug-16	Looping	Laid loop P-053.
01-Sep-16	Survey	Picked up Mikissiq IP and Spotty Hill loops. Dummied hole MQ-16-127 and MQ-16-128.
02-Sep-16	Survey	Surveyed hole MQ-16-127.
03-Sep-16	Looping	Picked up Loop P-032 and P-022. Laid and GPS'd loop P-032 for surface. Dummied holes MQ-16-117, MQ-16-118 and MQ-16-113.
04-Sep-16	Survey	Dummied hole MQ-16-119. Dummied and read continuous RAD on MQ-16-121 and MQ-14-044.
05-Sep-16	Weather	Weather day.
06-Sep-16	Survey	RAD logging on MQ-16-111 and dummied hole MQ-16-108. Hole MQ-16-108 was blocked.
07-Sep-16	Survey	Unable to survey hole MQ-16-112 as it was blocked. Surveyed hole MQ-16-130.
08-Sep-16	Survey	Picked up loop P-001.
09-Sep-16	Survey	Dummied holes MQ-16-131 and MQ-16-129.
10-Sep-16	Survey	Surveyed lines 0N, 50N and 100N on grid P-022. Surveyed hole MQ-16-131.
11-Sep-16	Survey	Surveyed hole MQ-16-129. Dummied hole MQ-16-105, but it was blocked. Picked up loop P-004. Laid Fossilik loop.
12-Sep-16	Survey	Surveyed MQ-16-132. Surveyed line 0N on grid P-022 and picked up the loop afterwards.
13-Sep-16	Survey	Surveyed hole MQ-16-129. Picked up loop P-058.
14-Sep-16	Survey	Dummied hole. MQ-16-125
15-Sep-16	Survey	Dummied hole MQ-16-133 and surveyed hole MQ-16-125. Picked up Mikissoq IP loop.
16-Sep-16	Weather	Weather day.
17-Sep-16	Survey	Surveyed hole MQ-16-133.
18-Sep-16	MOB	MOB
19-Sep-16	MOB	MOB
20-Sep-16	MOB	MOB

References

Ravenhurst, W. R., 2001, Step and impulse calculations from pulse-type electromagnetic data: 68th Ann. Internat. Mgt., Soc. Expl. Geophys., Extended Abstracts, 814-816.

Respectfully submitted,

Joshua Lymburner, M.Sc.

Crone Geophysics & Exploration Ltd.



Appendix 1: Channel Configurations

The following table's show the various time gates that constitute the channel configurations set up in the Crone PEM Receiver used in the surveys discussed in this report.

24-Channel Configuration for the 50.00 ms time base

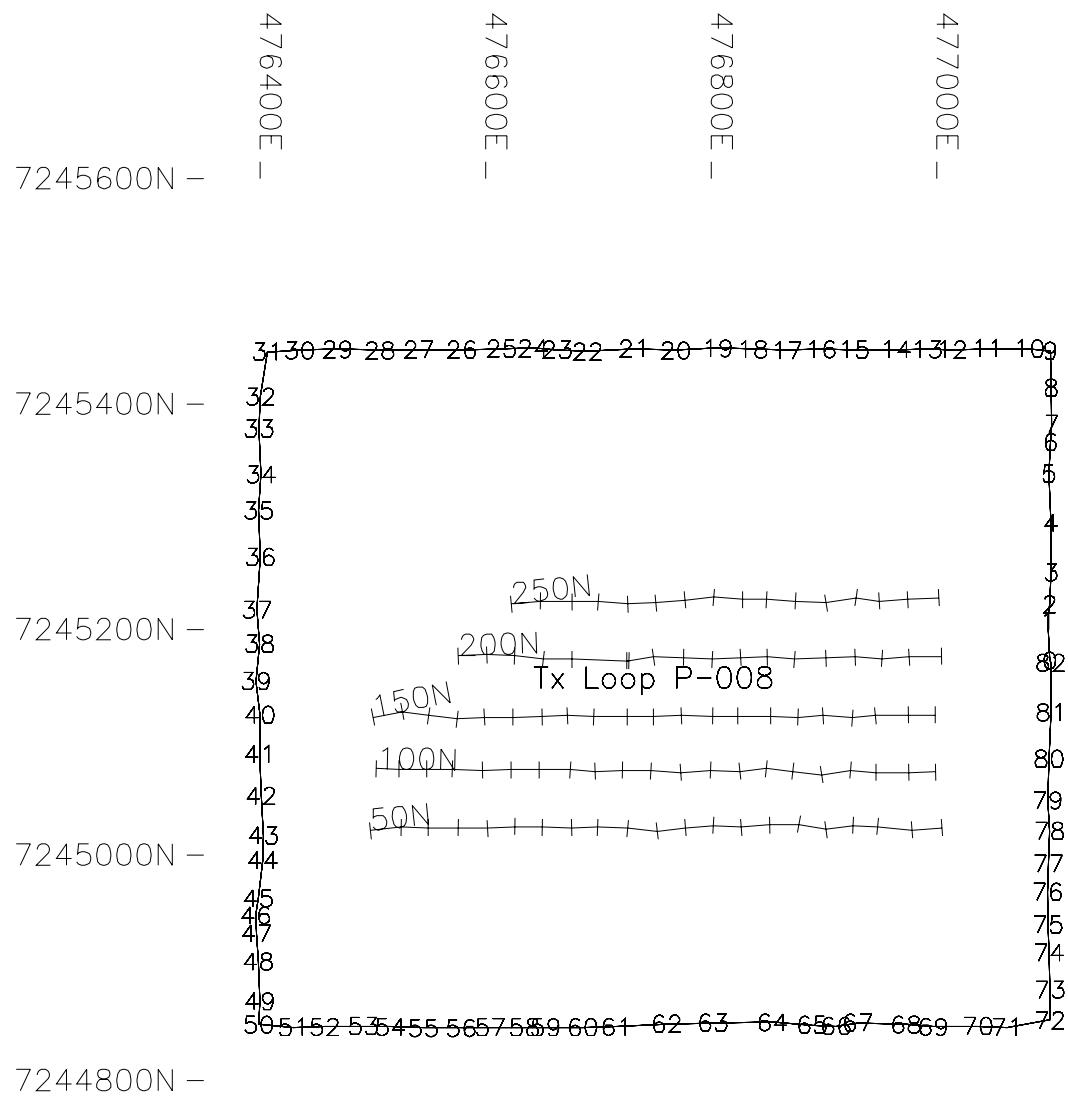
Channel	Start	Finish	Channel	Start	Finish
PP	-0.0002	-0.0001			
1	4.8e-05	6.4e-05	2	6.4e-05	8.4e-05
3	8.4e-05	0.000112	4	0.000112	0.000152
5	0.000152	0.000204	6	0.000204	0.000268
7	0.000268	0.00036	8	0.00036	0.00048
9	0.00048	0.00064	10	0.00064	0.000848
11	0.000848	0.001128	12	0.001128	0.001496
13	0.001496	0.001992	14	0.001992	0.002644
15	0.002644	0.003512	16	0.003512	0.004664
17	0.004664	0.006192	18	0.006192	0.00822
19	0.00822	0.01092	20	0.01092	0.0144
21	0.0144	0.0177	22	0.0177	0.0277
23	0.0277	0.0377	24	0.0377	0.0477

20-Channel Configuration for the 16.66 ms time base

Channel	Start	Finish	Channel	Start	Finish
PP	-0.0002	-0.0001			
1	4.8e-05	6.4e-05	2	6.4e-05	8.4e-05
3	8.4e-05	0.000112	4	0.000112	0.000152
5	0.000152	0.000204	6	0.000204	0.000268
7	0.000268	0.00036	8	0.00036	0.00048
9	0.00048	0.00064	10	0.00064	0.000848
11	0.000848	0.001128	12	0.001128	0.001496
13	0.001496	0.001992	14	0.001992	0.002644
15	0.002644	0.003512	16	0.003512	0.004664
17	0.004664	0.006192	18	0.006192	0.00822
19	0.00822	0.01092	20	0.01092	0.0144



Appendix 2: Profile Plan Maps



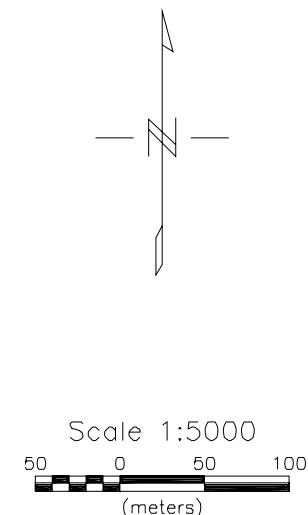
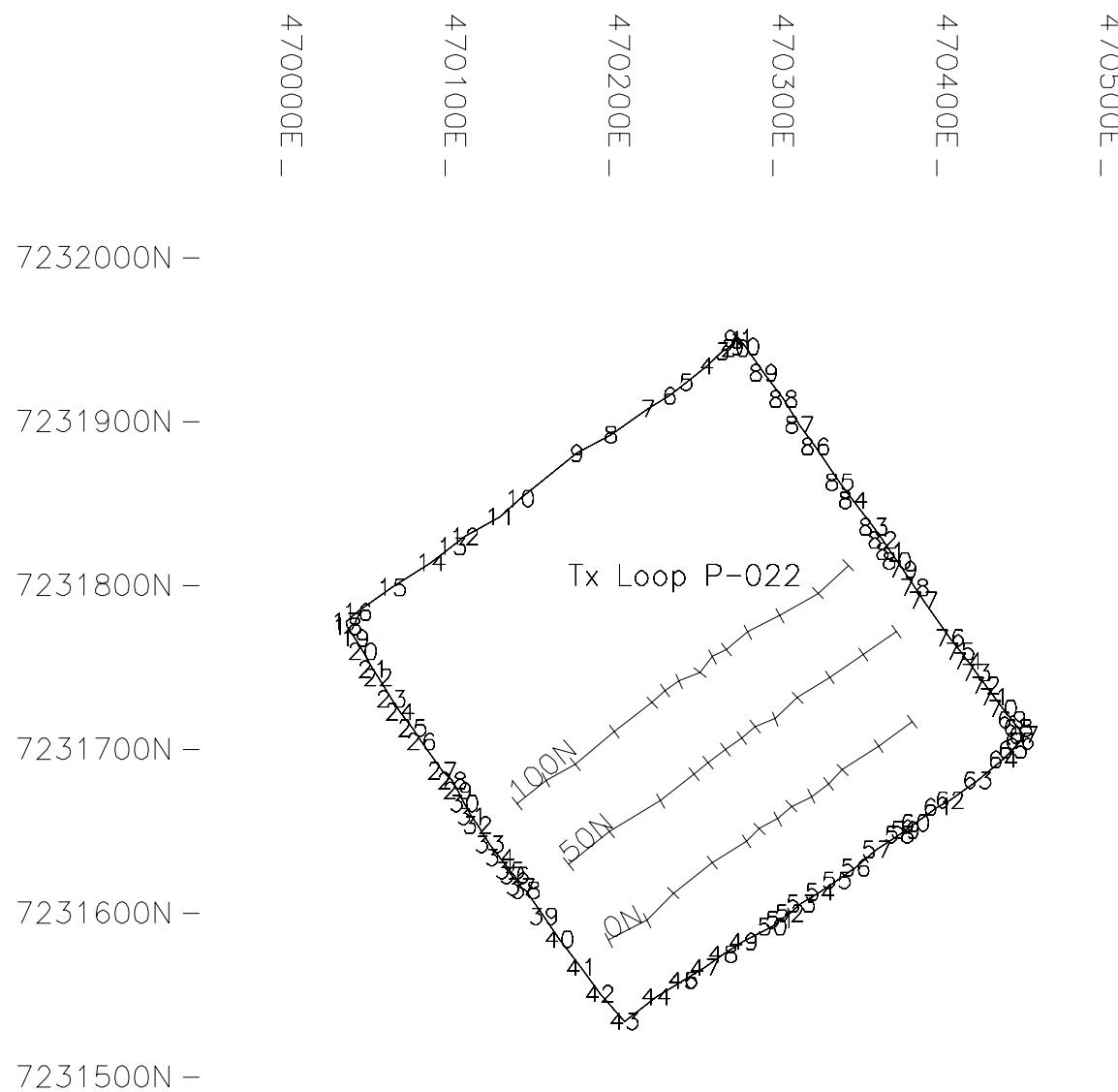
North American Nickel
P-008

Surface Pulse EM Survey
Line & Loop Location Map

Loop: P-008

Survey Date: August 16-18, 2016

Crone Geophysics & Exploration Ltd.

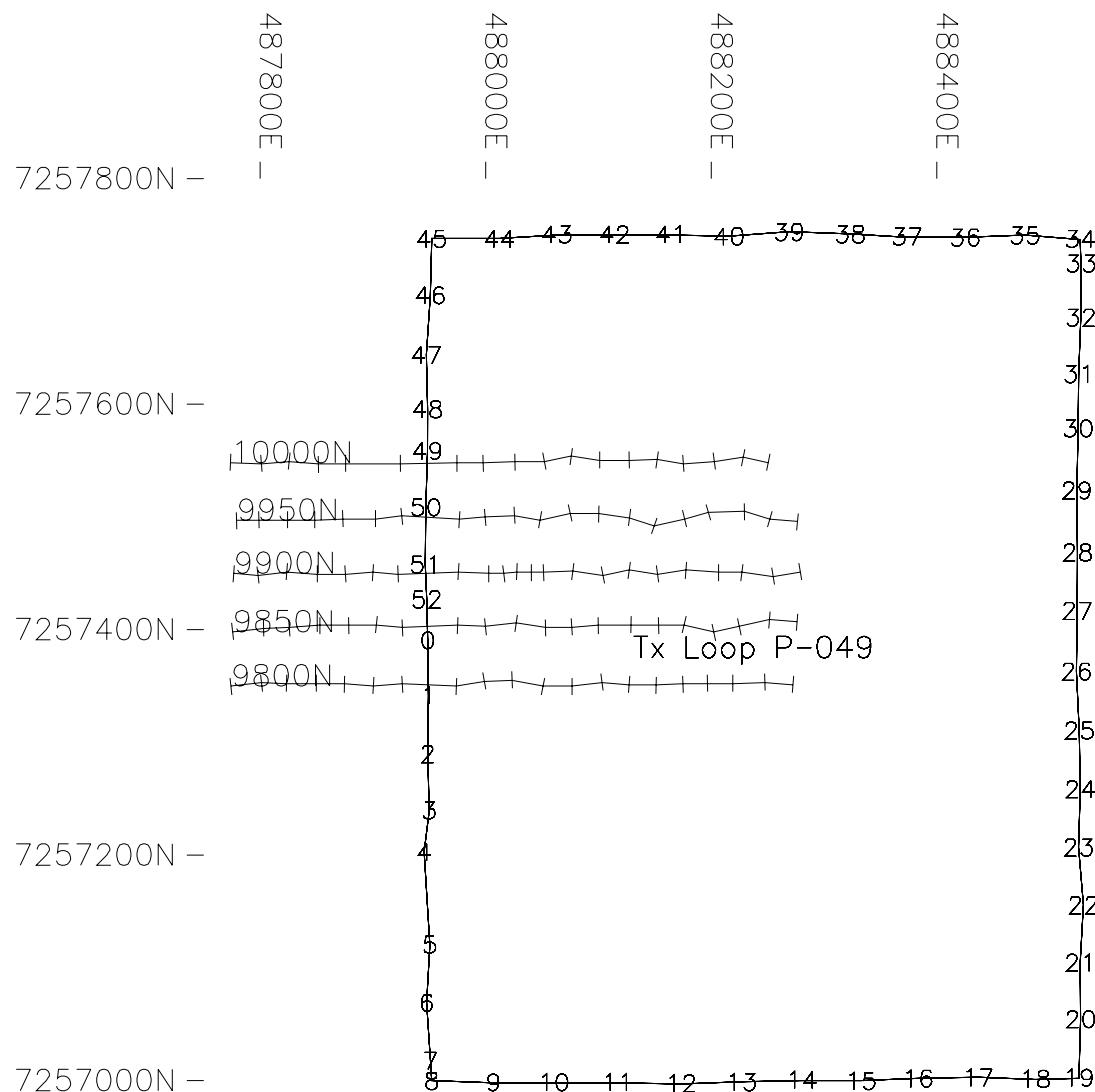


North American Nickel
P-022

Surface Pulse EM Survey
Line & Loop Location Map

Lines: ON-100N
Survey Date: September 10-12, 2016

Crone Geophysics & Exploration Ltd.



Scale 1:7500
100 0 100
(meters)

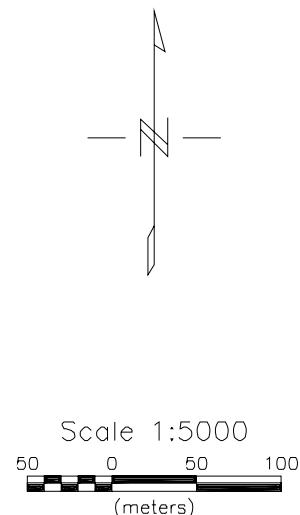
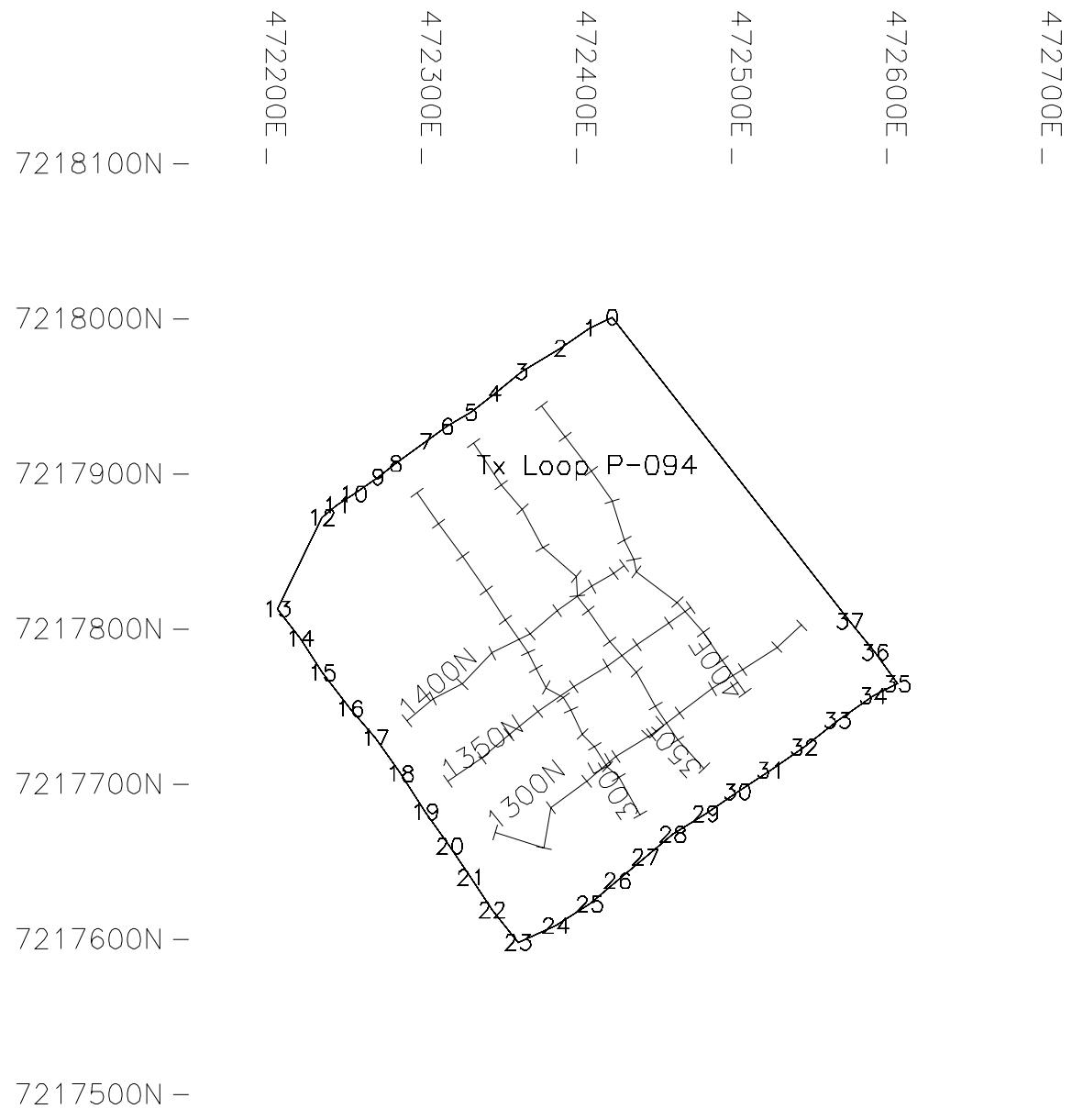
North American Nickel
P-049

3-D Borehole Pulse EM Survey
Borehole & Loop Location Map

Loop: P-049

Survey Date: July 20-23, 2016

Crone Geophysics & Exploration Ltd.



North American Nickel
P-094

Surface Pulse EM Survey
Line & Loop Location Map

Loop: P-094
Survey Date: August 20, 2016

Crone Geophysics & Exploration Ltd.

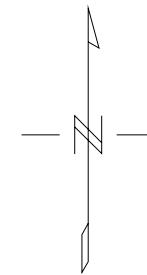
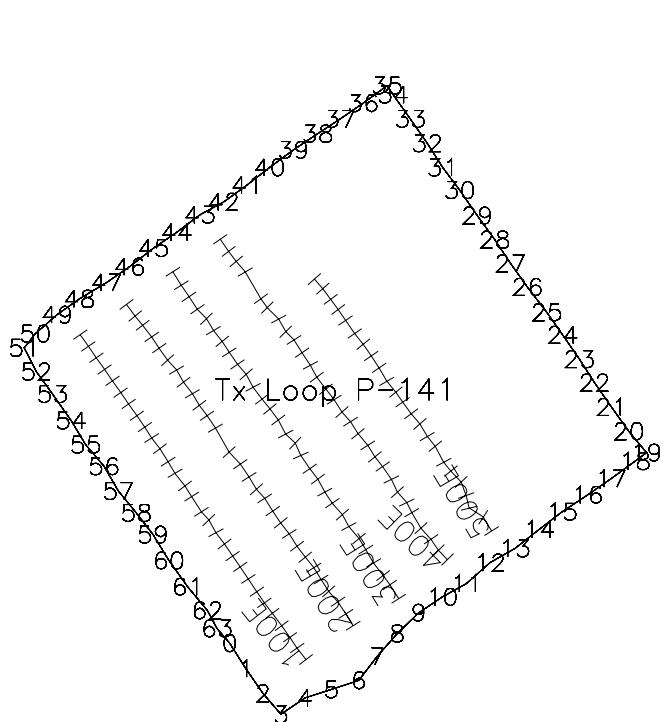
464500E 465000E 465500E 466000E

7269000N -

7268500N -

7268000N -

7267500N -



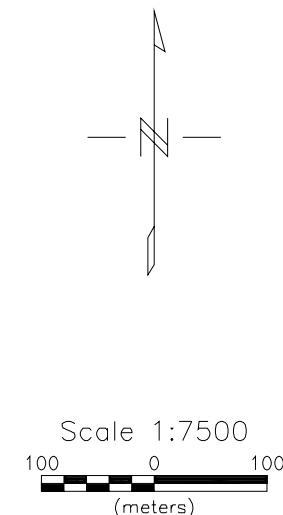
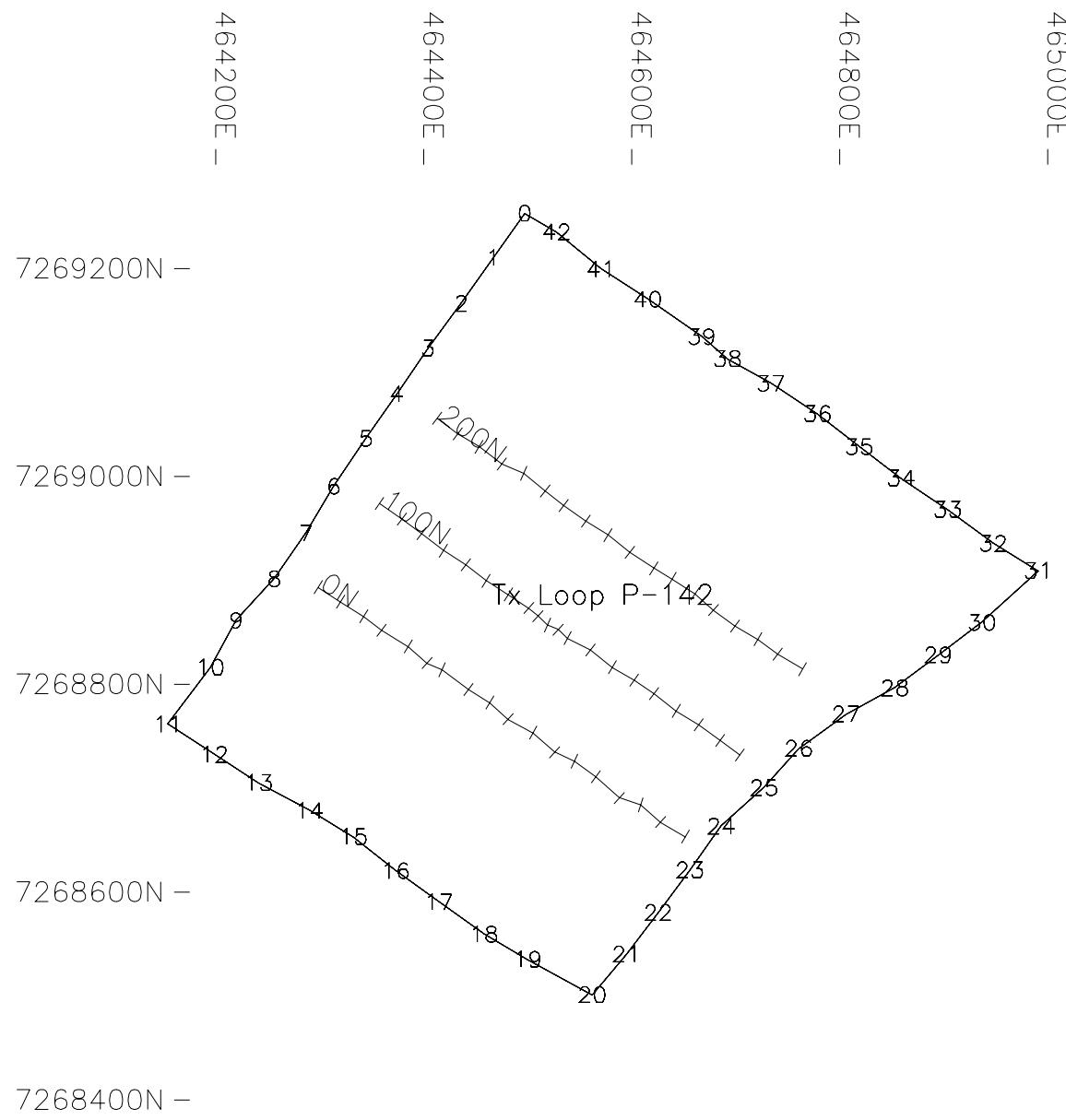
Scale 1:15000
250 0 250
(meters)

North American Nickel
P-141

Surface Pulse EM Survey
Line & Loop Location Map

Lines: 100E-500E
Survey Date: July 5-12, 2016

Crone Geophysics & Exploration Ltd.

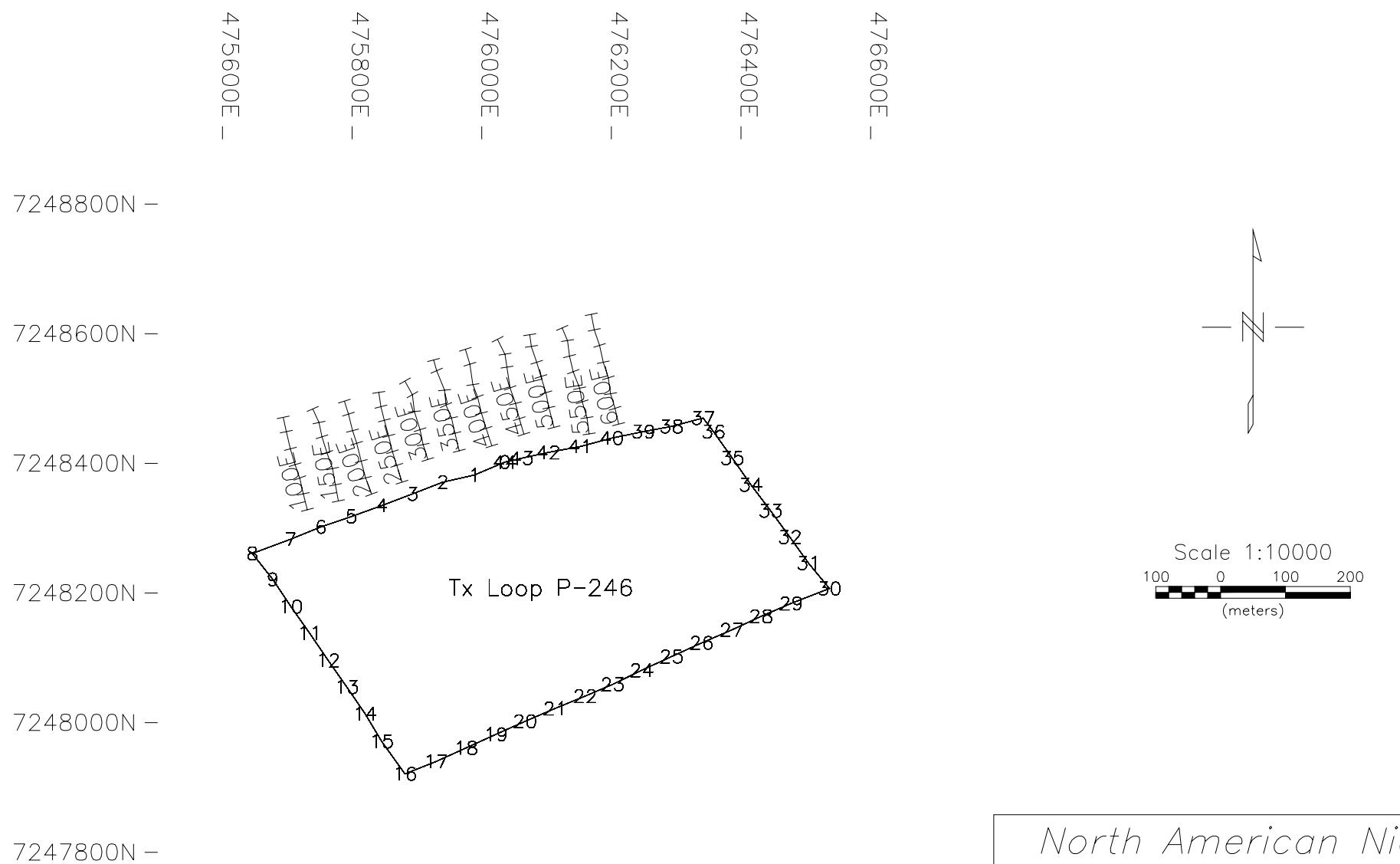


*North American Nickel
P-142*

Surface Pulse EM Survey
Line & Loop Location Map

Line: ON - 200N
Survey Date: July 1, 2016

Crone Geophysics & Exploration Ltd.



North American Nickel
P-246

Surface Pulse EM Survey
Line & Loop Location Map

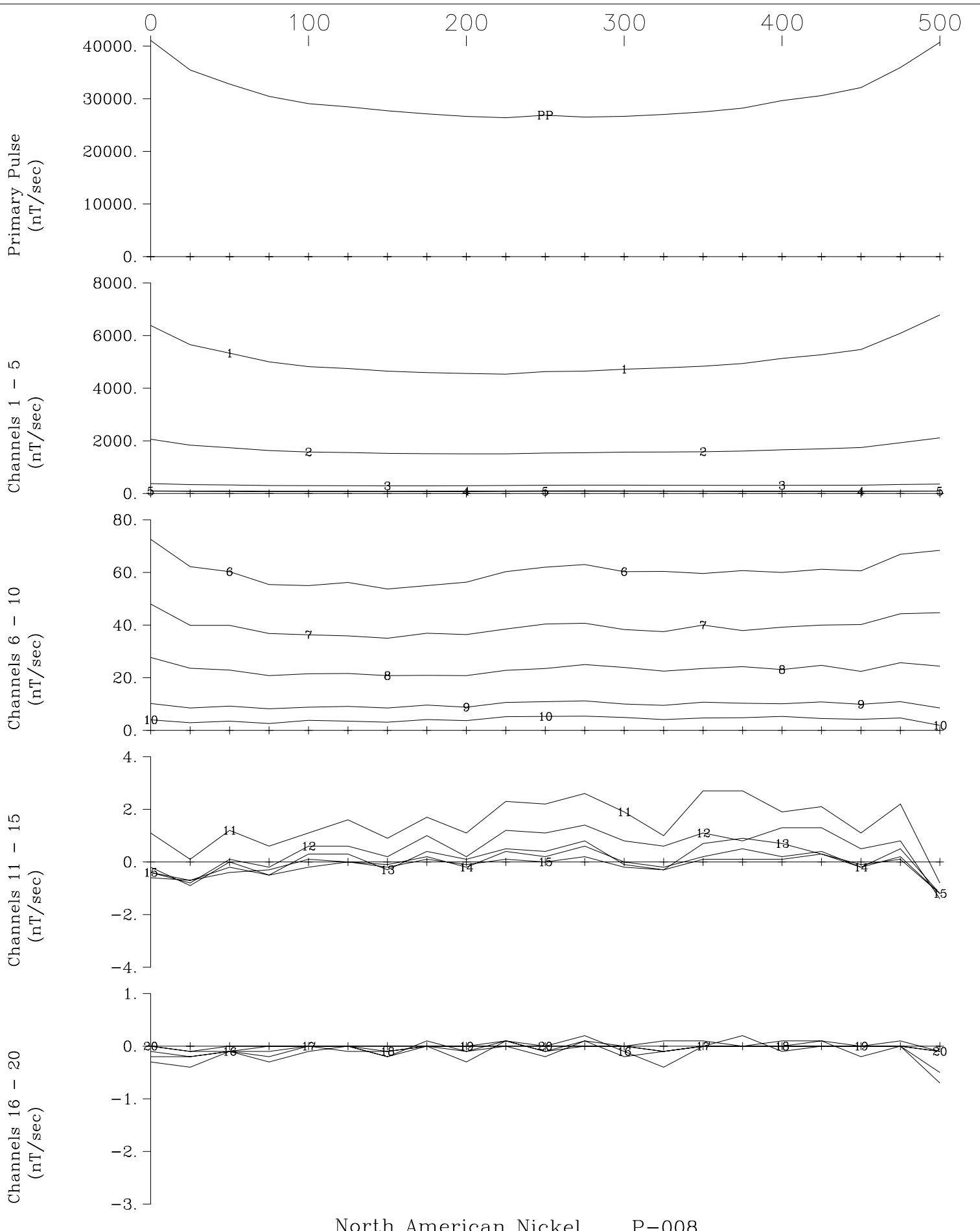
Loop: P-246

Survey Date: July 25–27, 2016

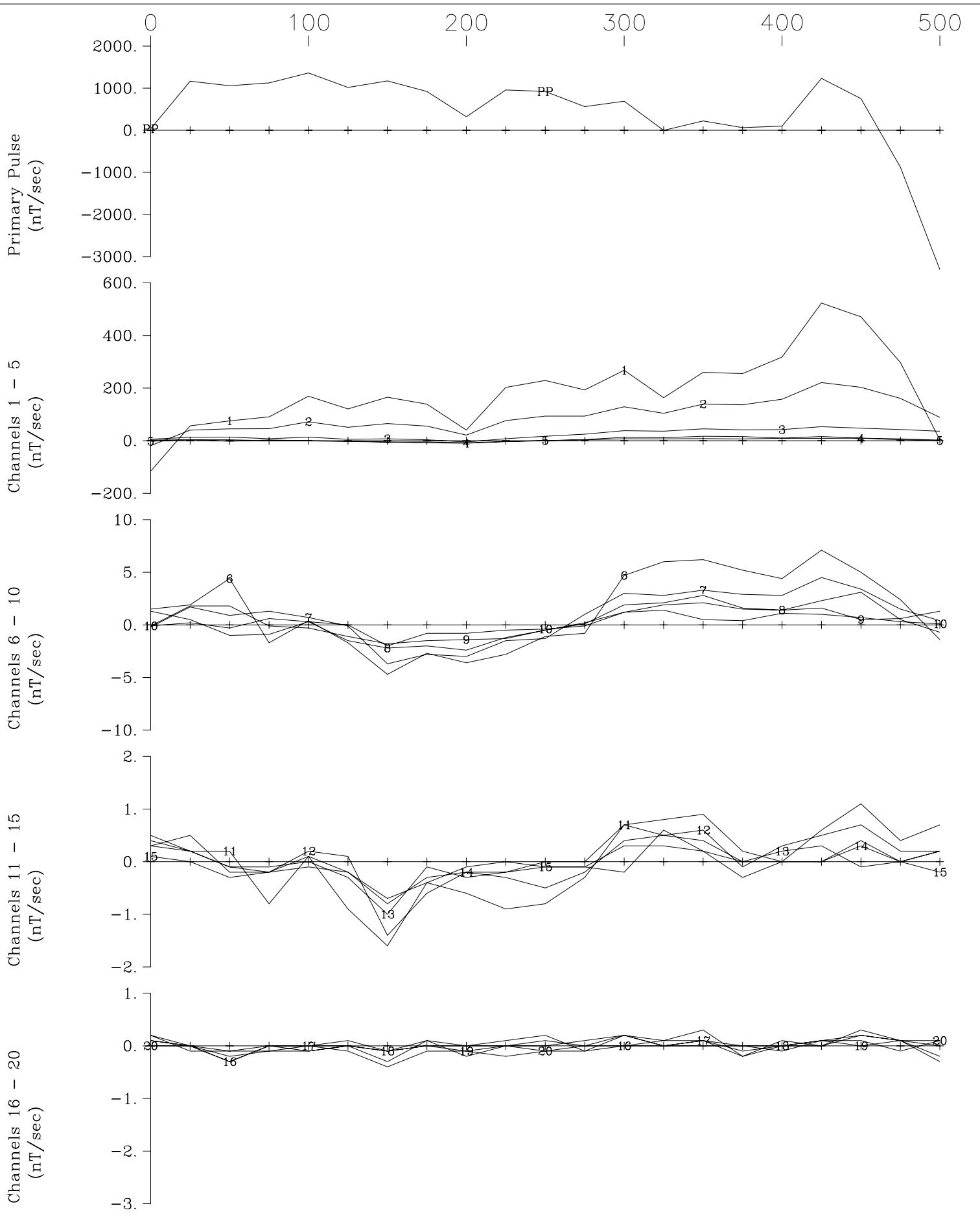
Crone Geophysics & Exploration Ltd.



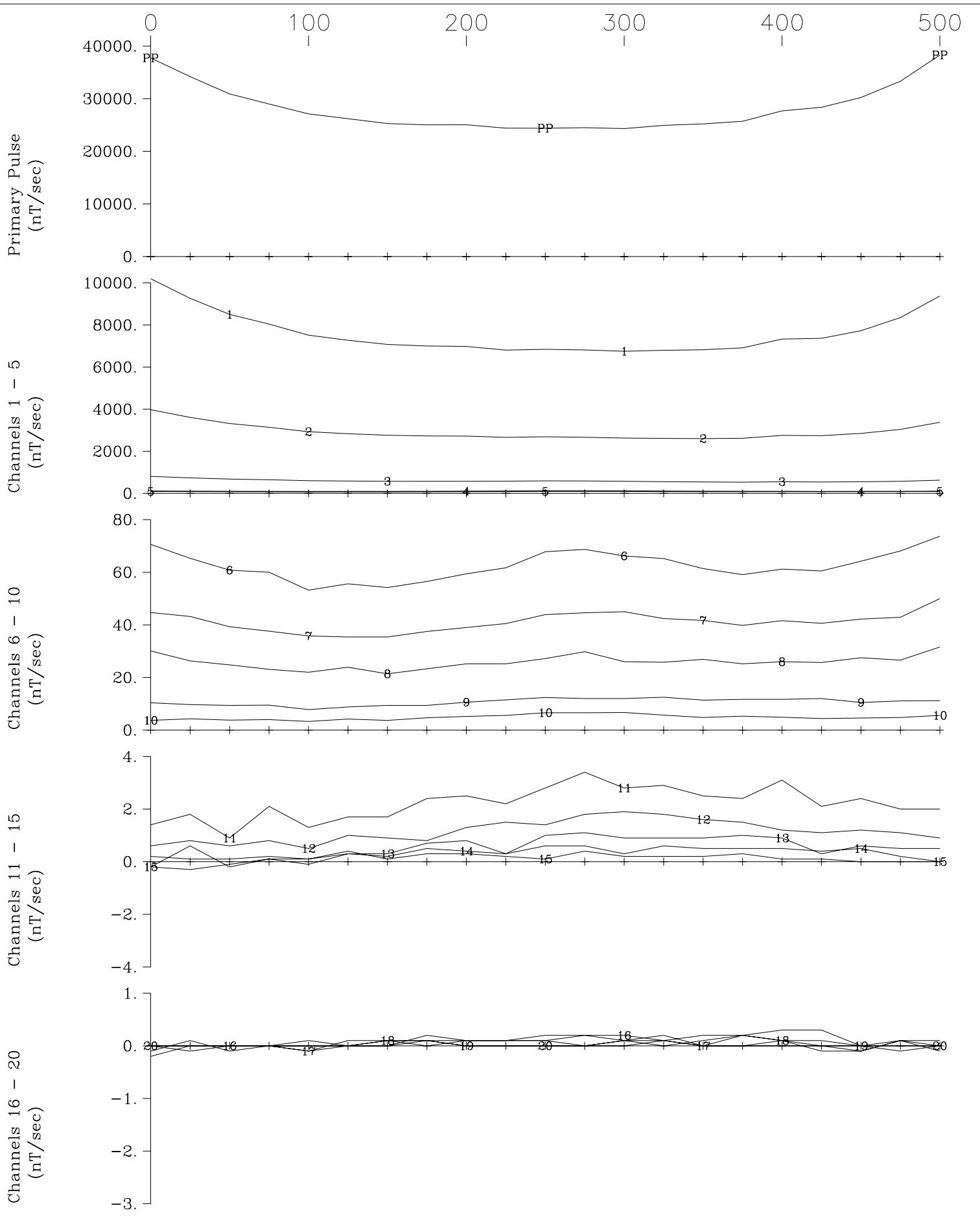
Appendix 3: Linear (5-Axis) Pulse-EM Data Profiles



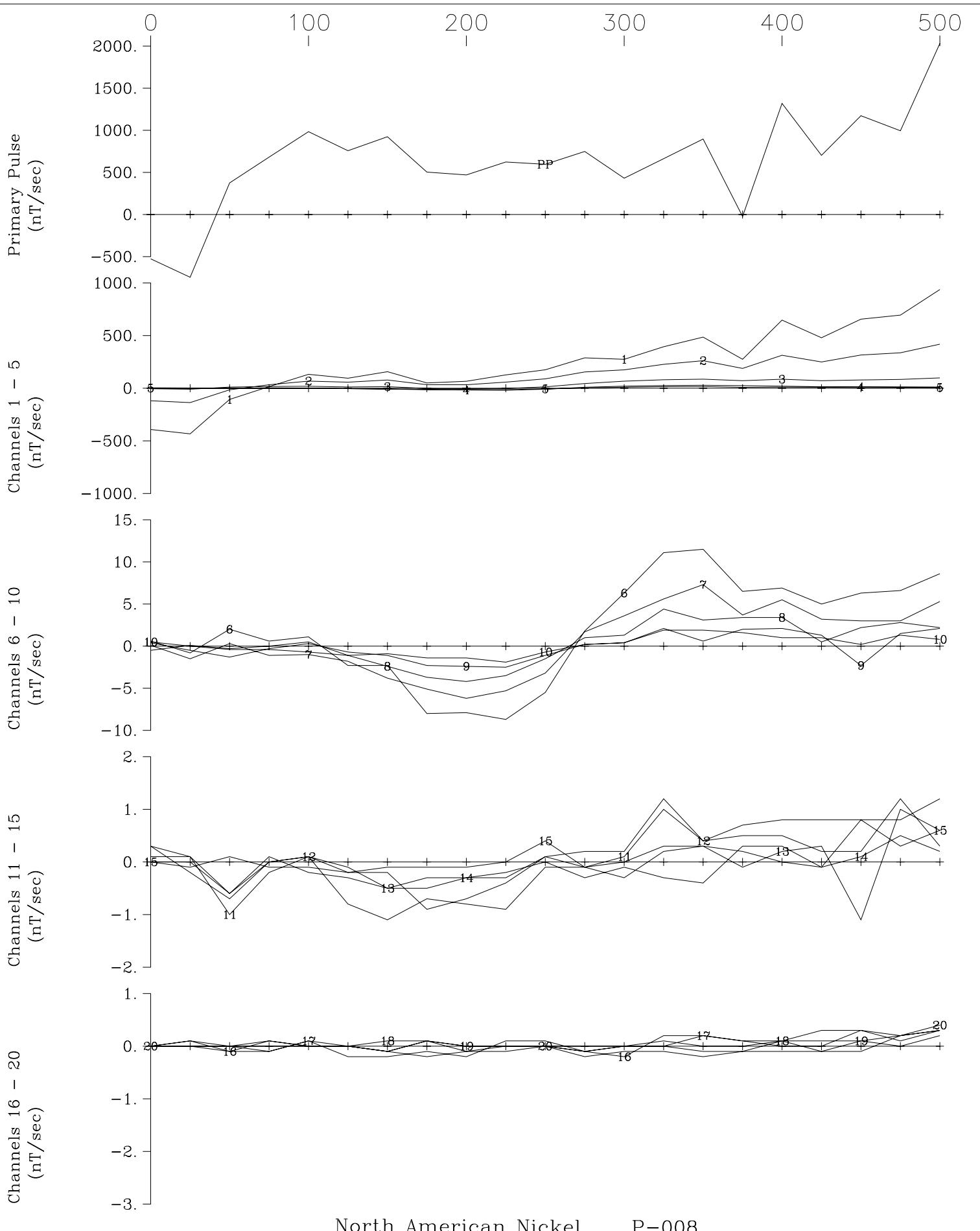
North American Nickel P-008
Loop P-008, Line 50N Z Component
Crone Geophysics & Exploration Ltd.



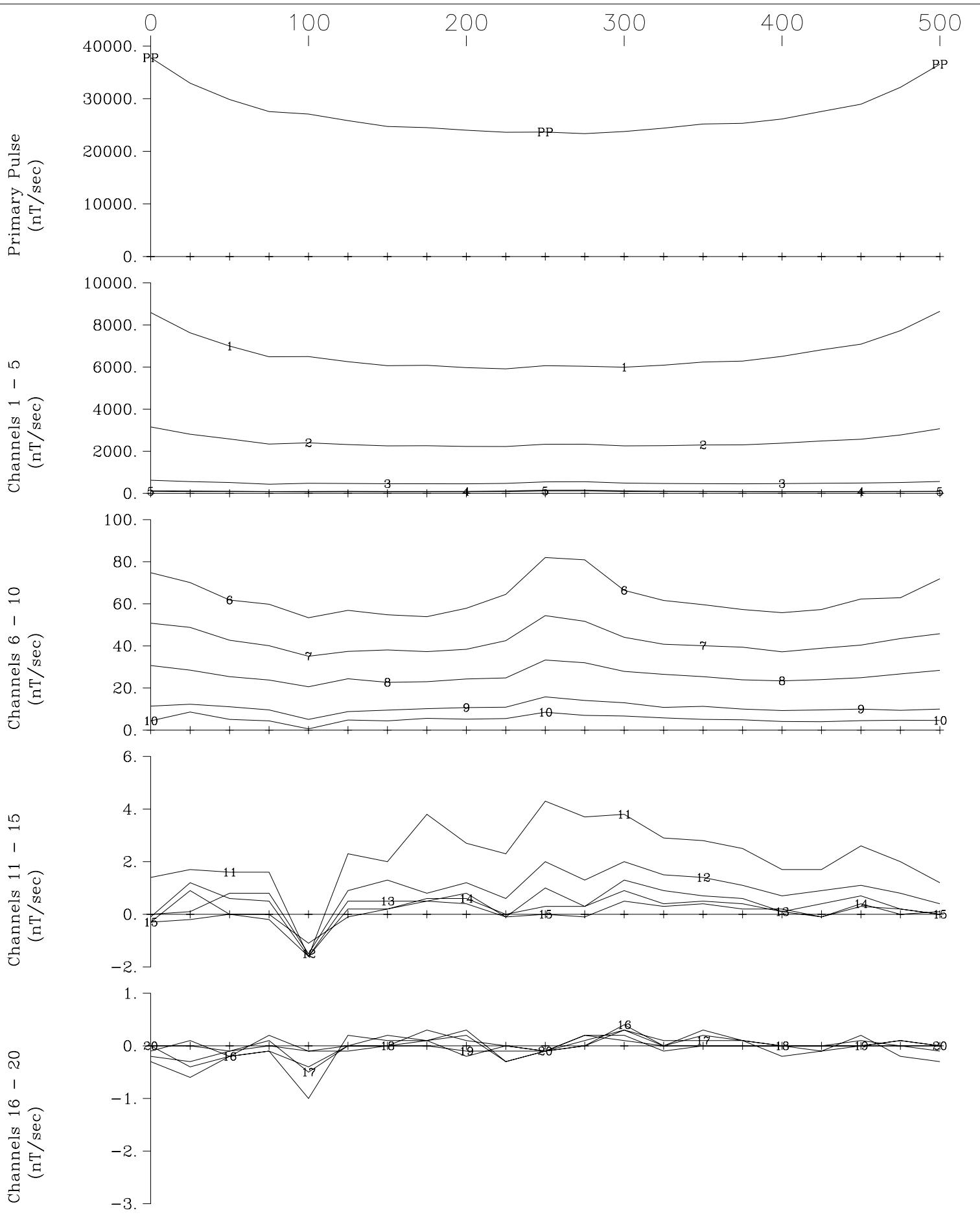
North American Nickel P-008
Loop P-008, Line 50N X Component
Crone Geophysics & Exploration Ltd.



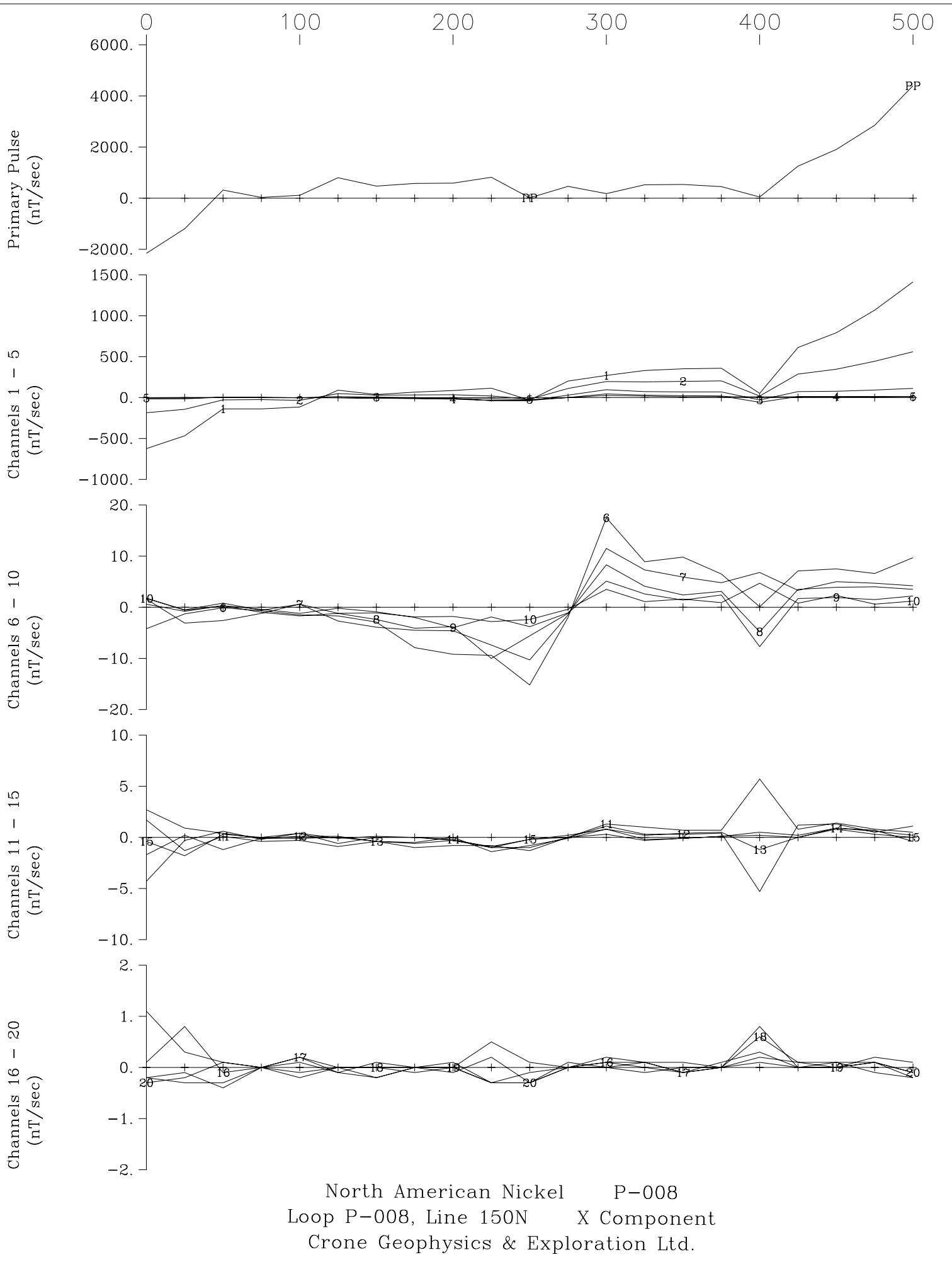
North American Nickel P-008
 Loop P-008, Line 100N Z Component
 Crone Geophysics & Exploration Ltd.

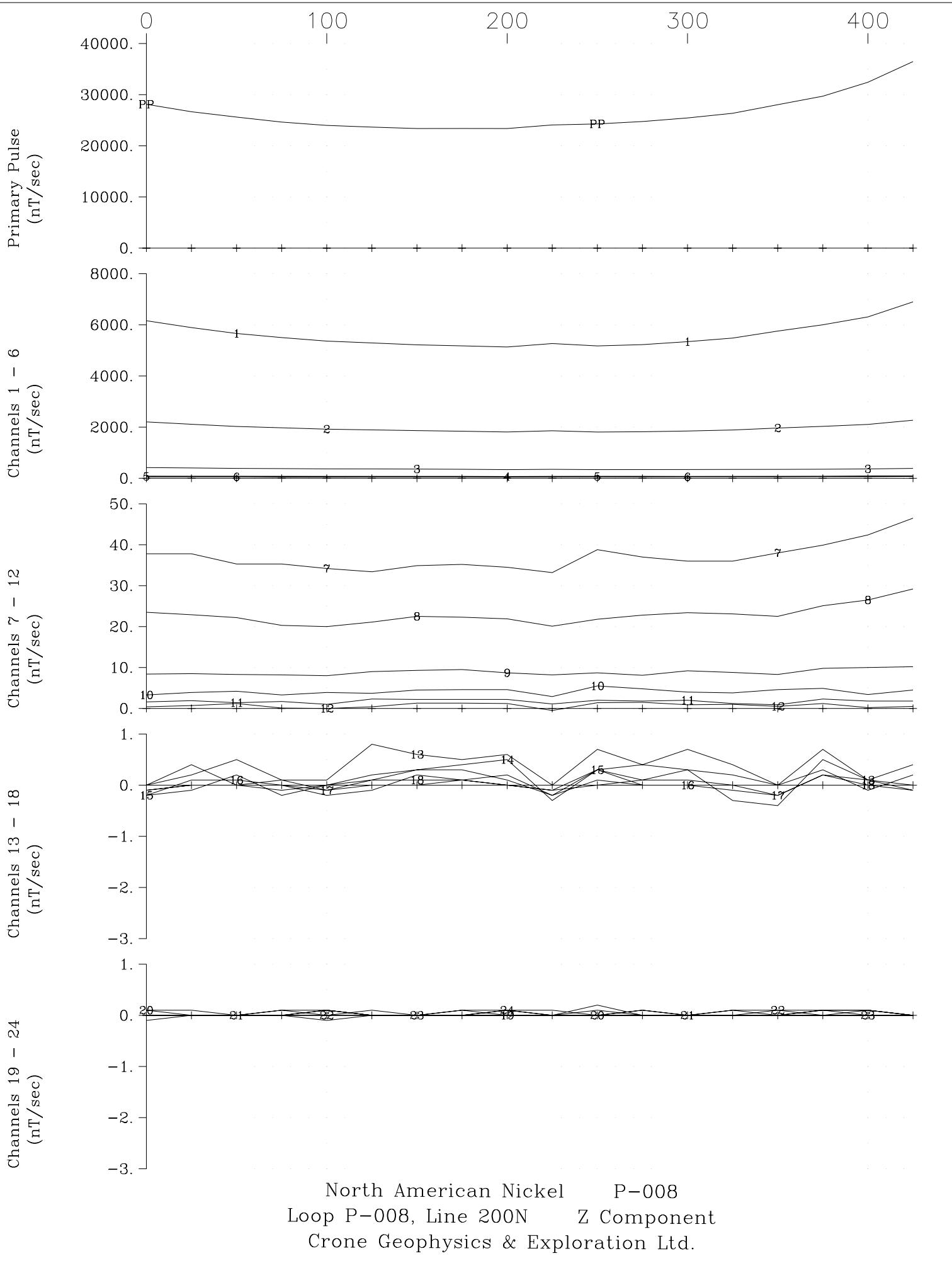


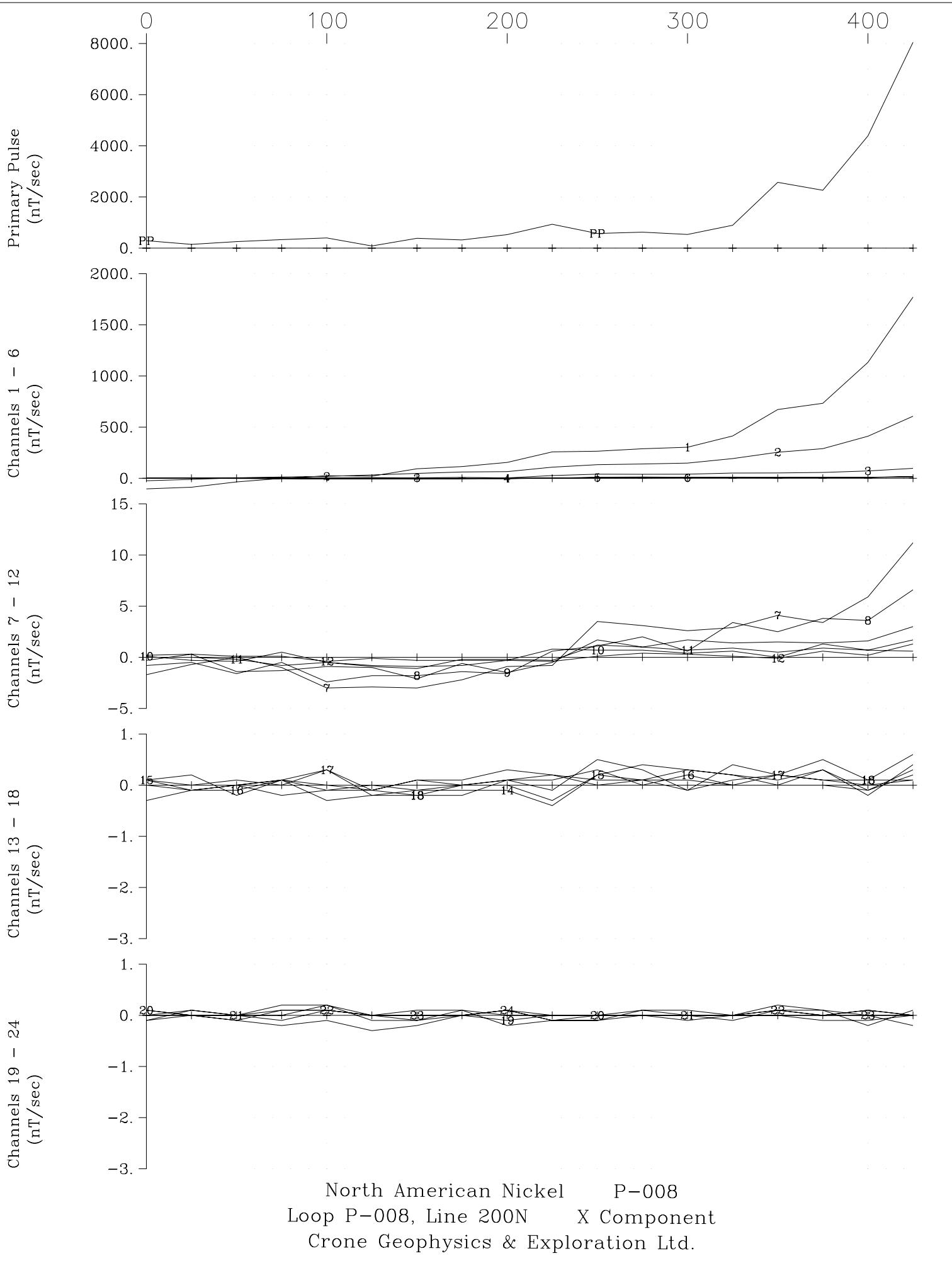
North American Nickel P-008
Loop P-008, Line 100N X Component
Crone Geophysics & Exploration Ltd.

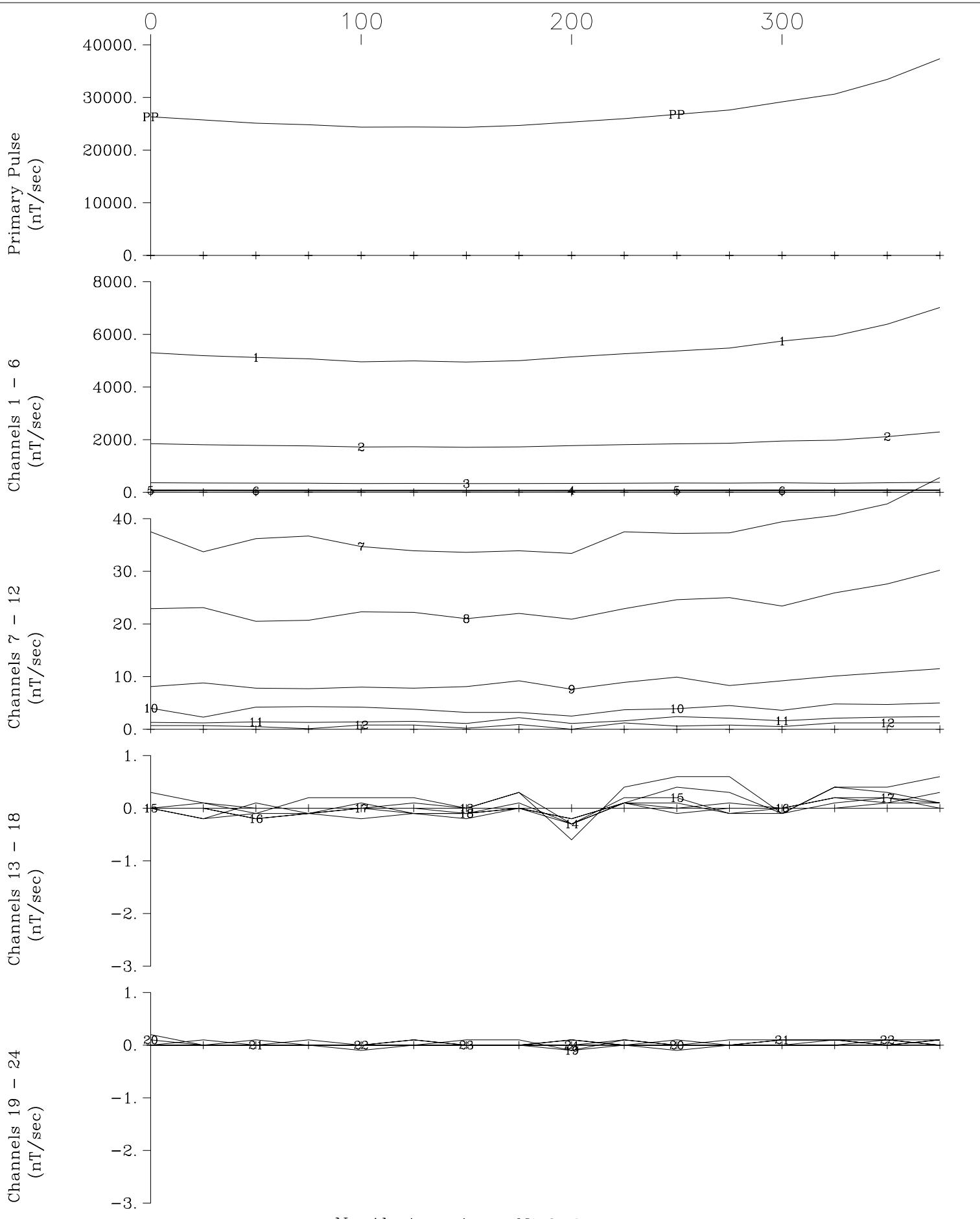


North American Nickel P-008
Loop P-008, Line 150N Z Component
Crone Geophysics & Exploration Ltd.

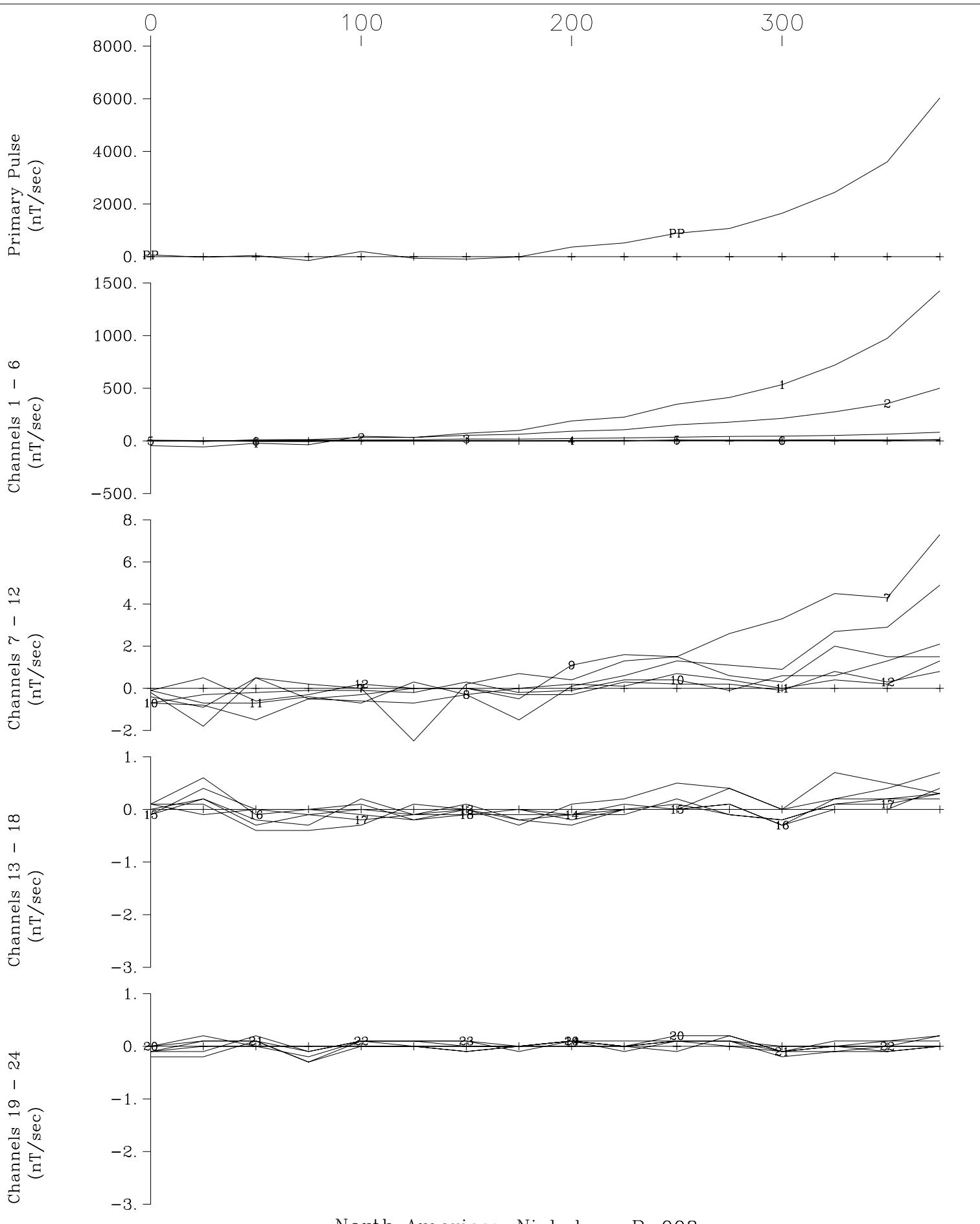




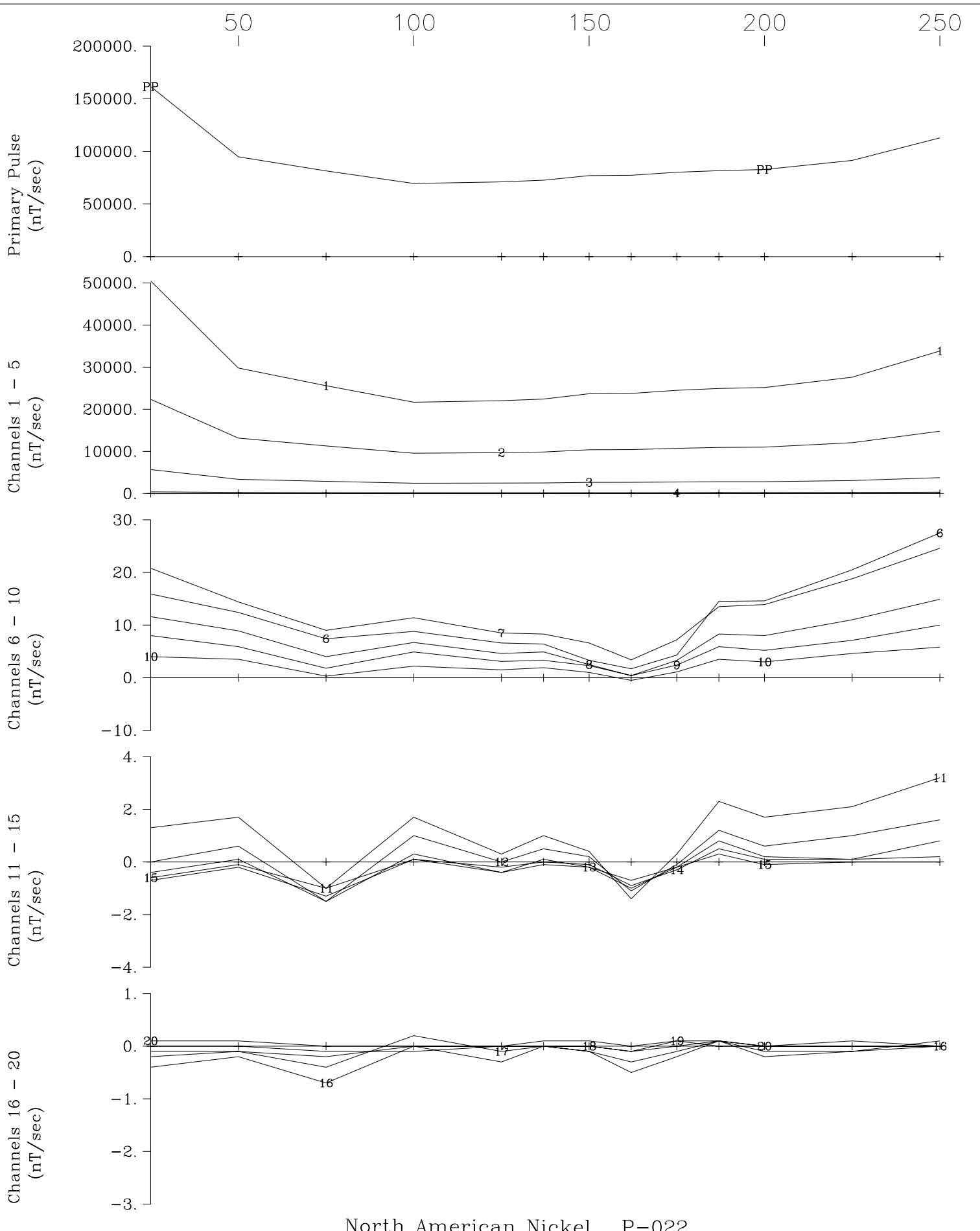




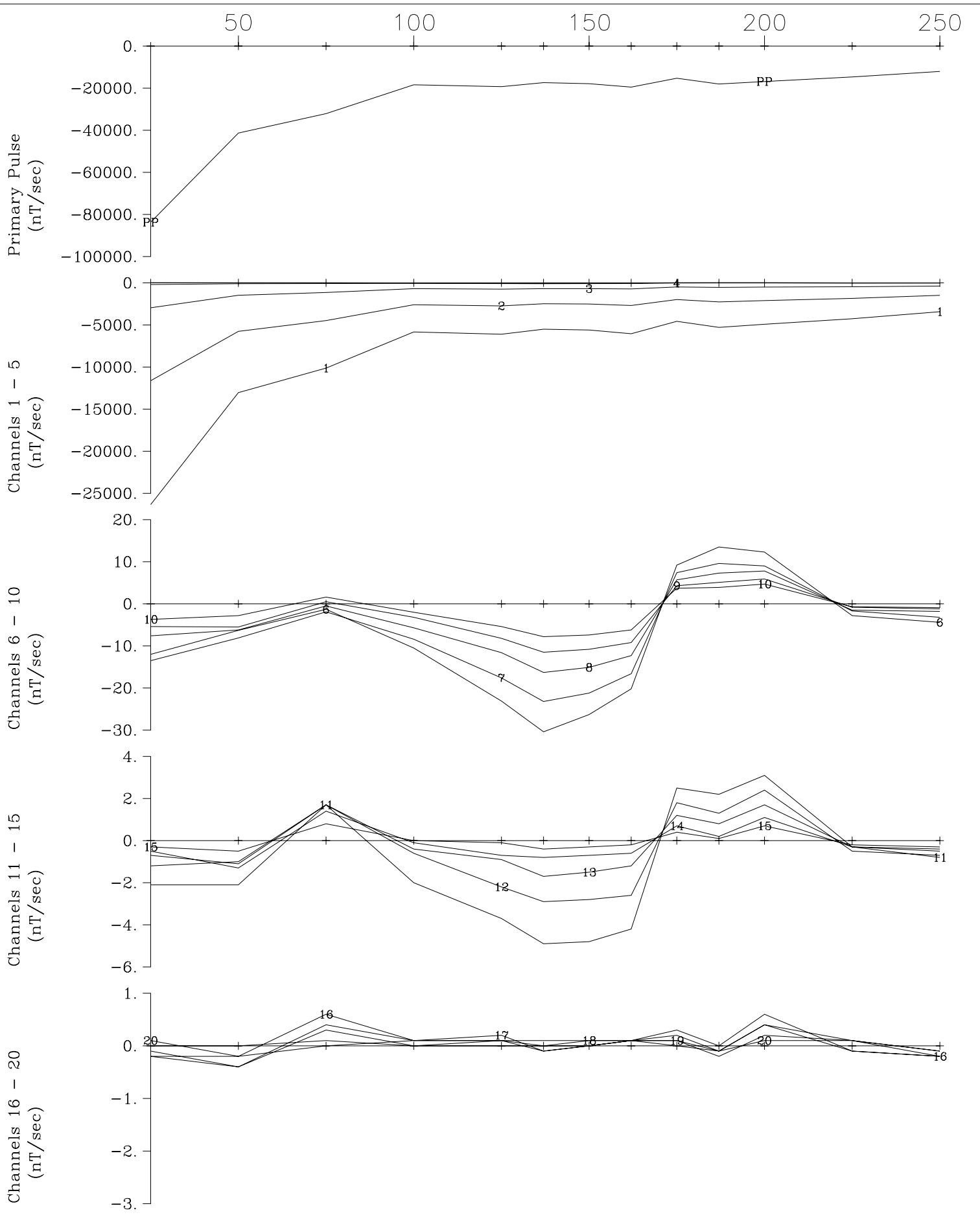
North American Nickel P-008
Loop P-008, Line 250N Z Component
Crone Geophysics & Exploration Ltd.



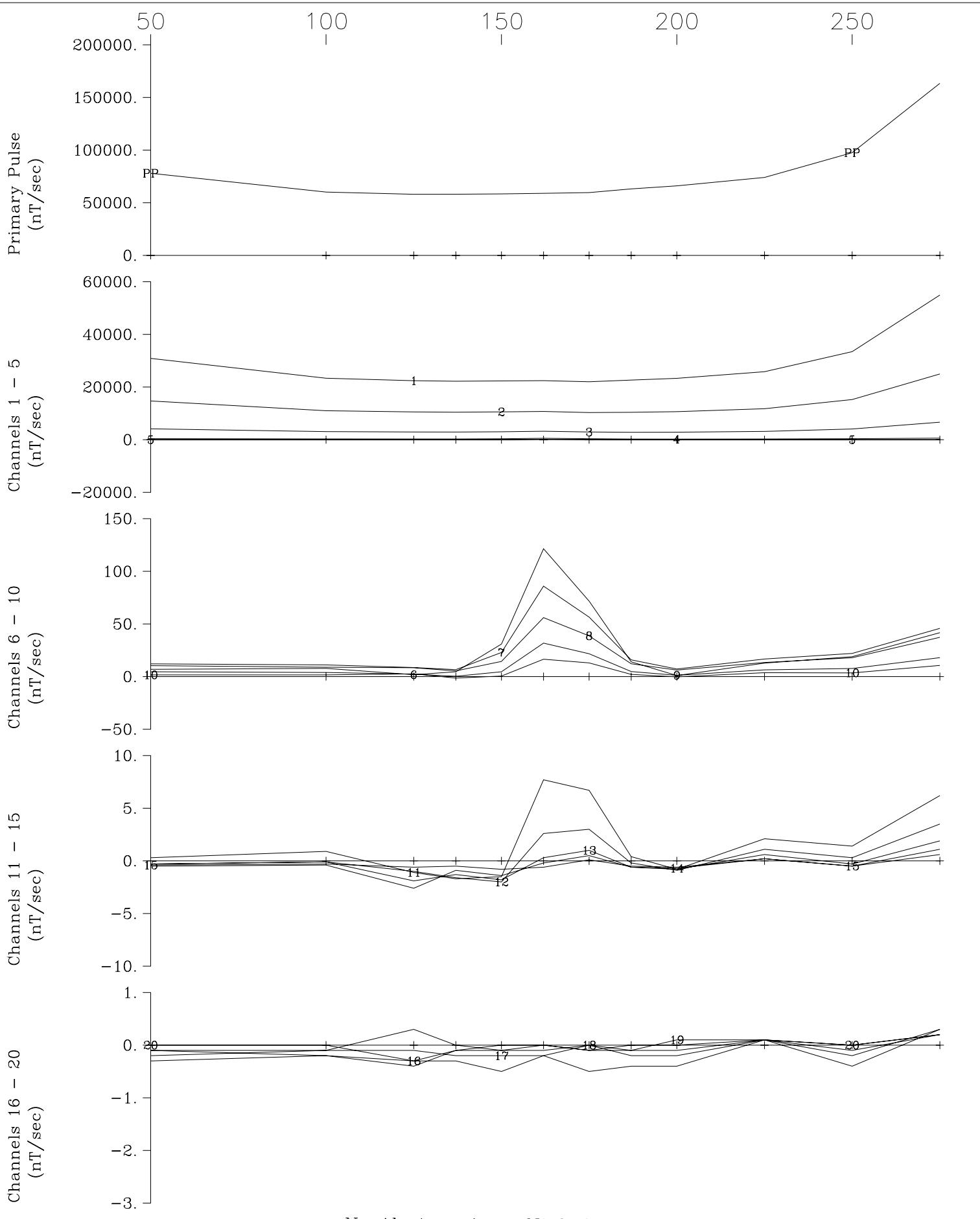
North American Nickel P-008
Loop P-008, Line 250N X Component
Crone Geophysics & Exploration Ltd.



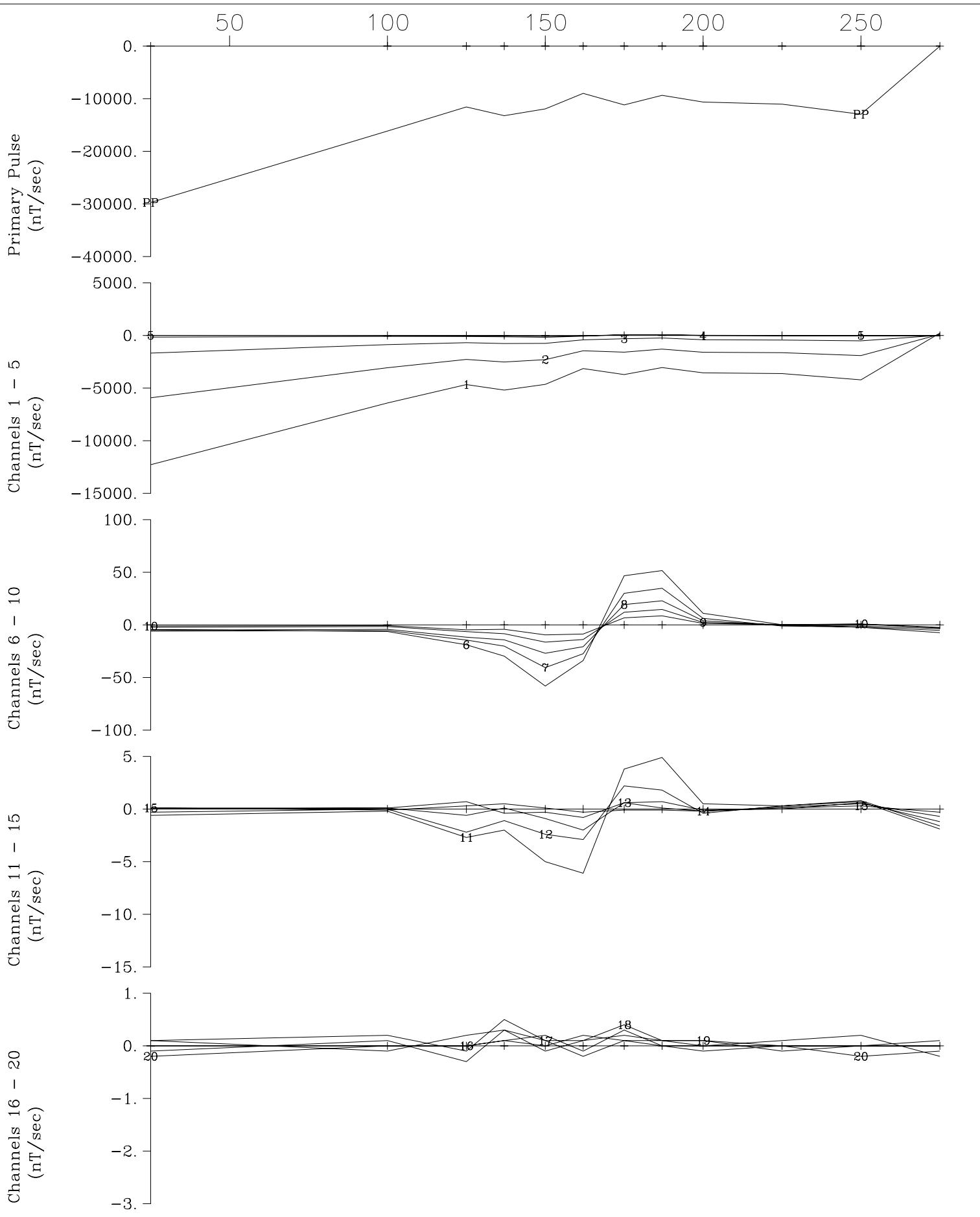
North American Nickel P-022
Loop P-022, Line ON Z Component
Crone Geophysics & Exploration Ltd.



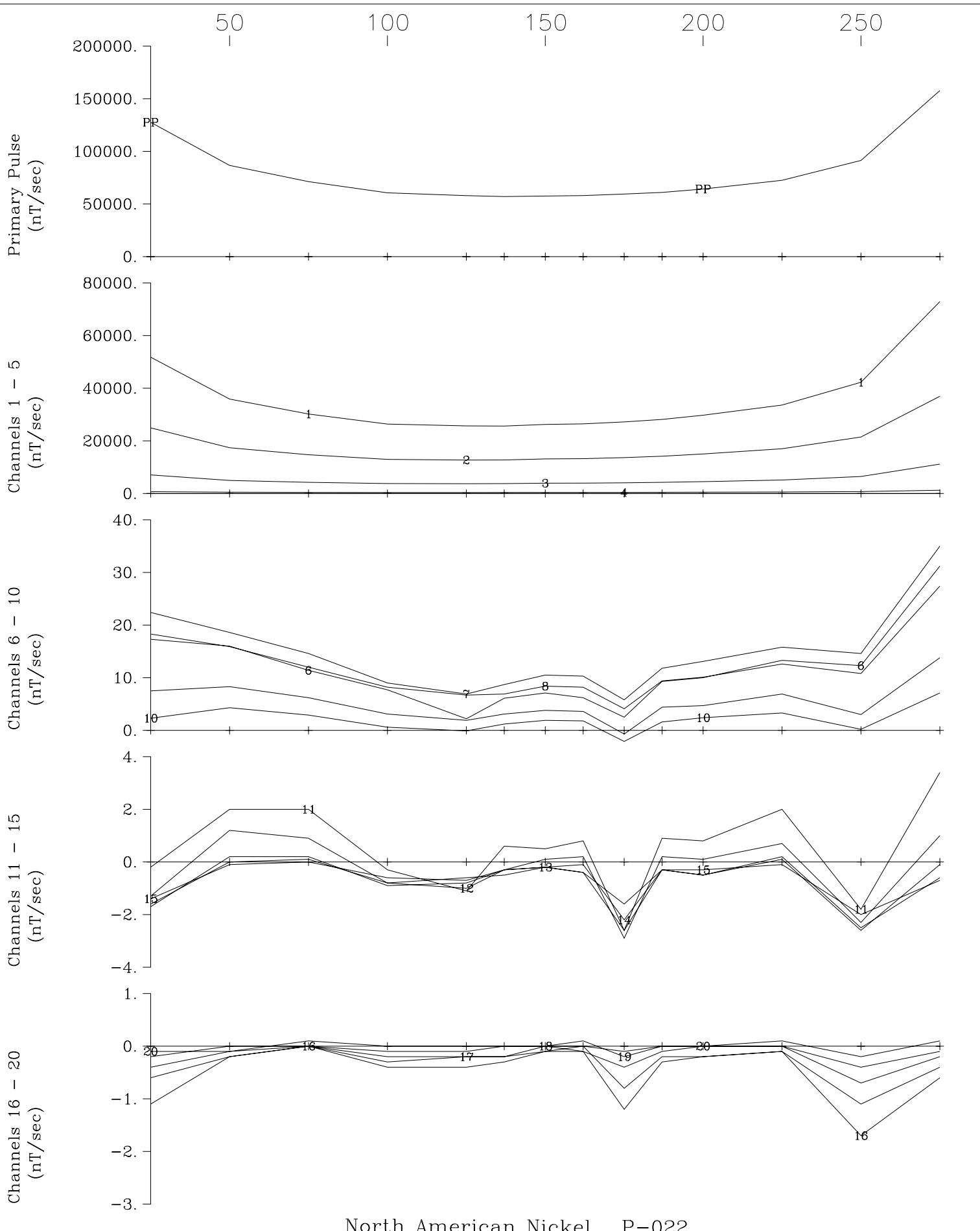
North American Nickel P-022
Loop P-022, Line 0N X Component
Crone Geophysics & Exploration Ltd.



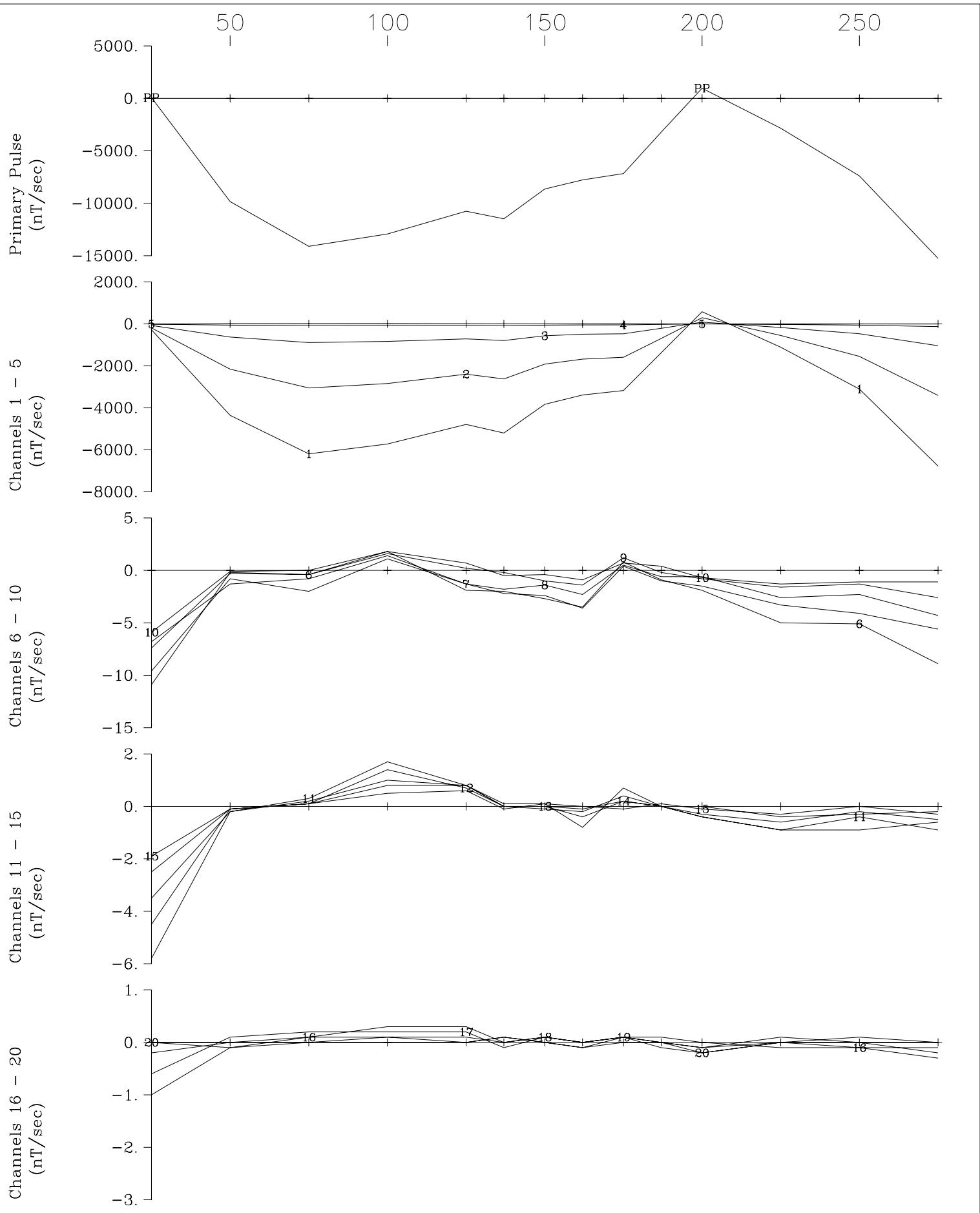
North American Nickel P-022
Loop P-022, Line 50N Z Component
Crone Geophysics & Exploration Ltd.



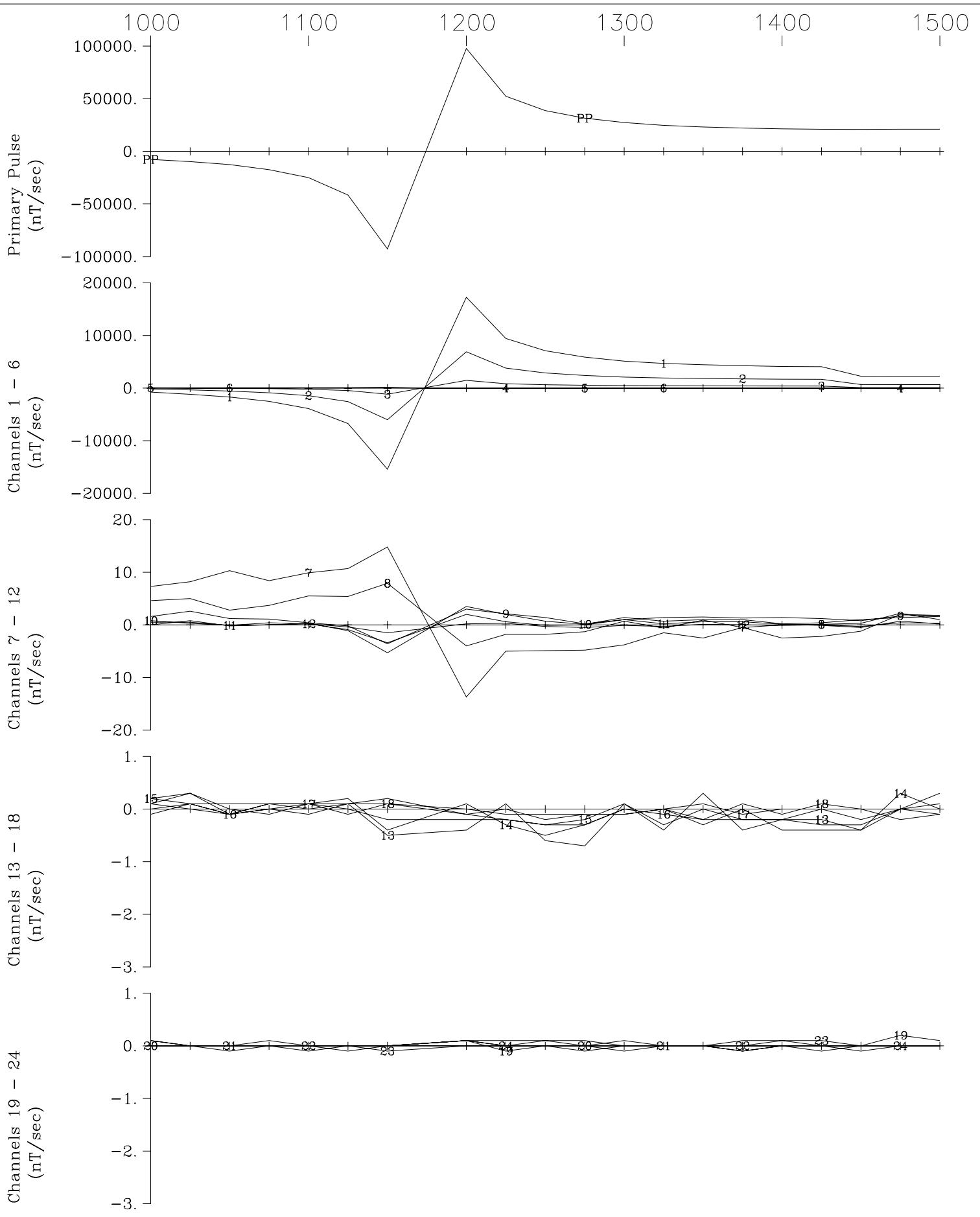
North American Nickel P-022
Loop P-022, Line 50N X Component
Crone Geophysics & Exploration Ltd.



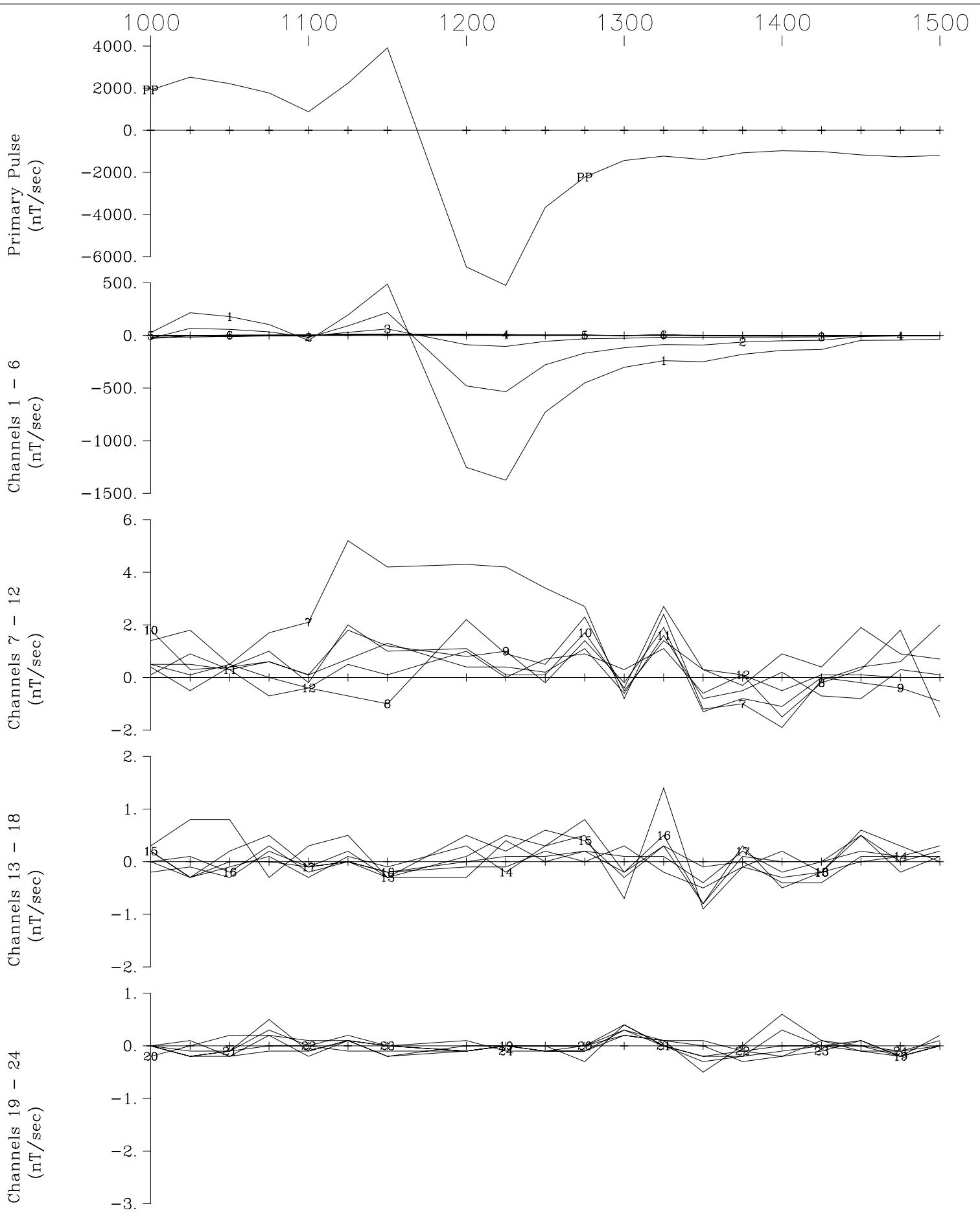
North American Nickel P-022
Loop P-022, Line 100N Z Component
Crone Geophysics & Exploration Ltd.



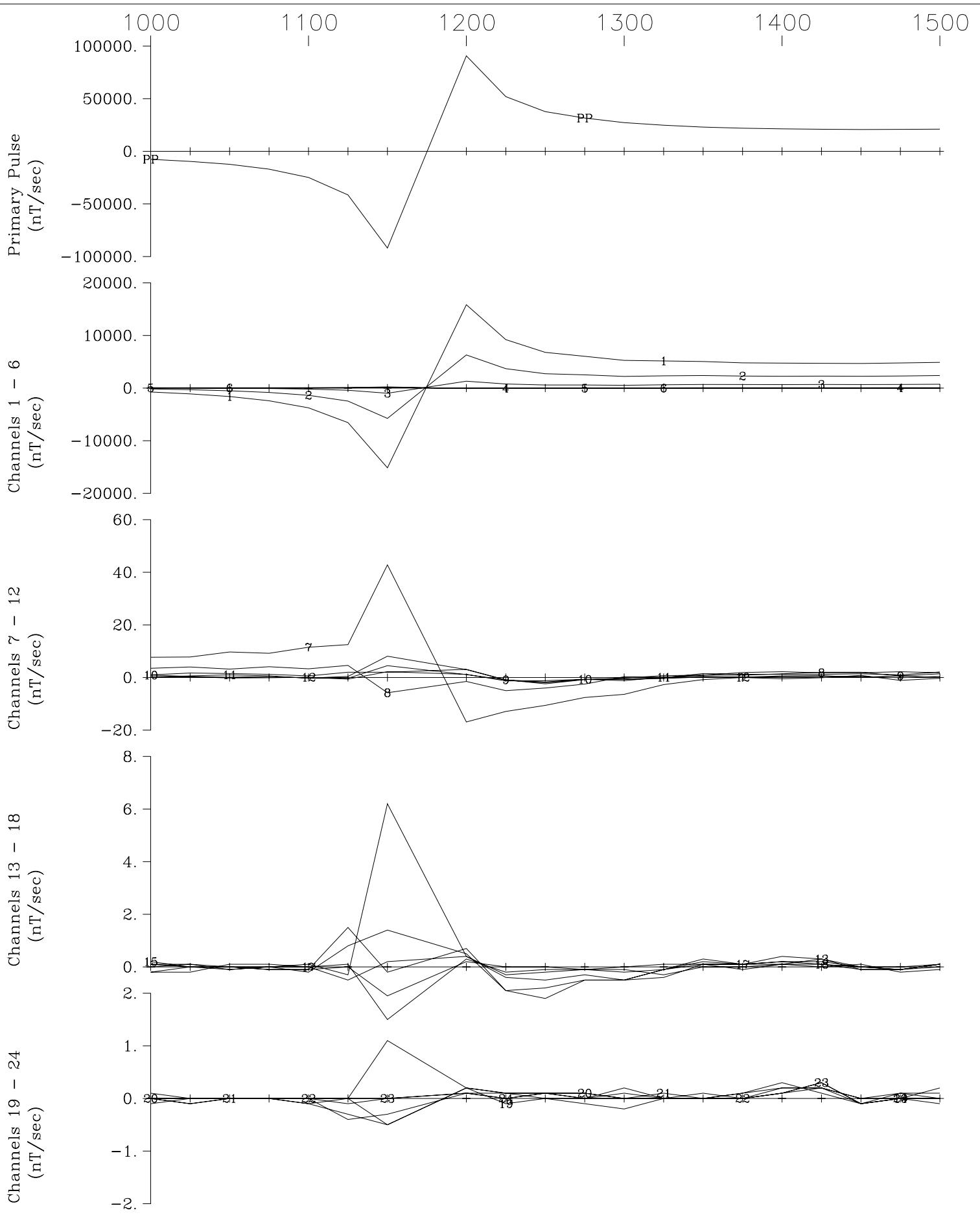
North American Nickel P-022
Loop P-022, Line 100N X Component
Crone Geophysics & Exploration Ltd.



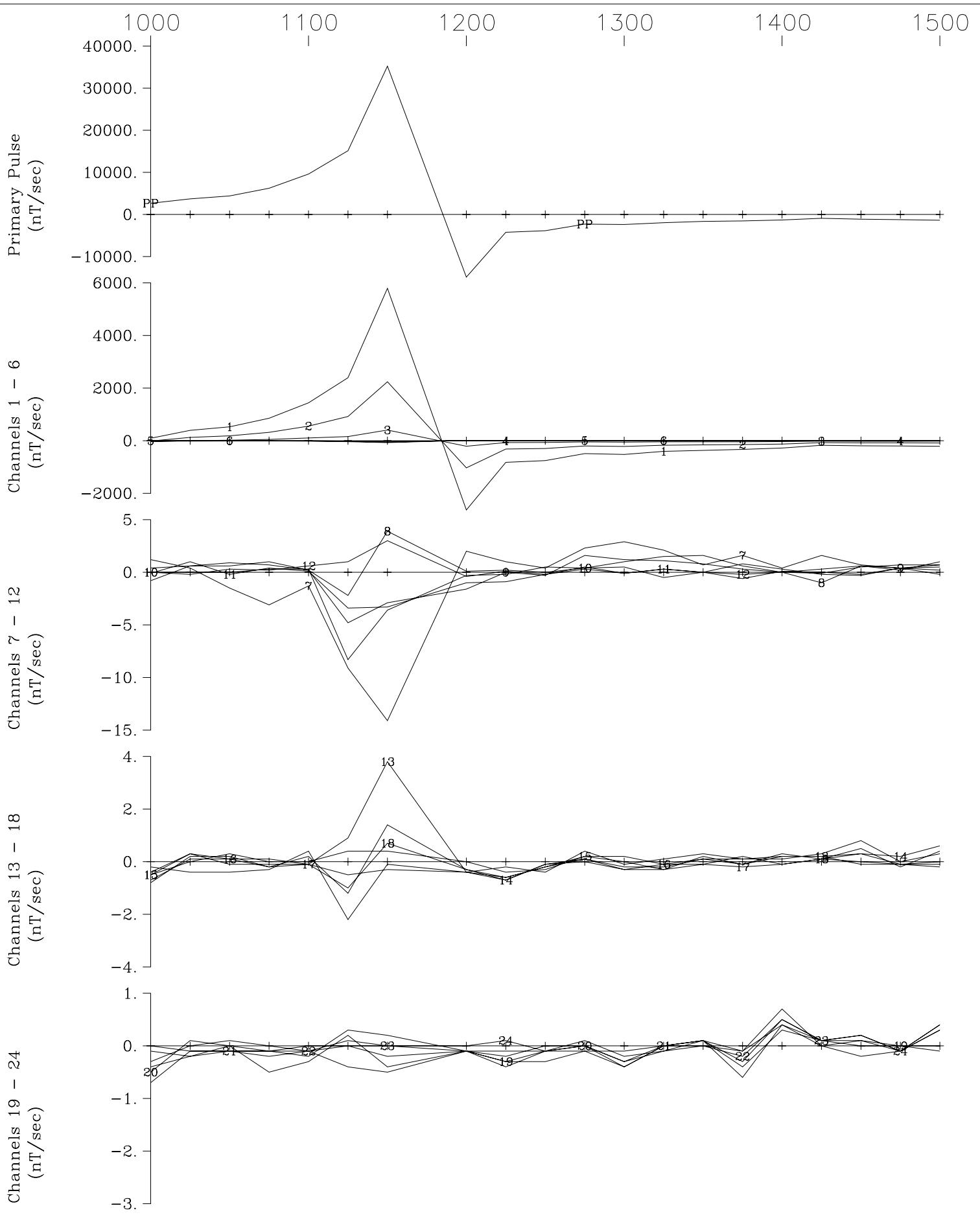
North American Nickel P-049
Loop P-049, Line 9800N Z Component
Crone Geophysics & Exploration Ltd.



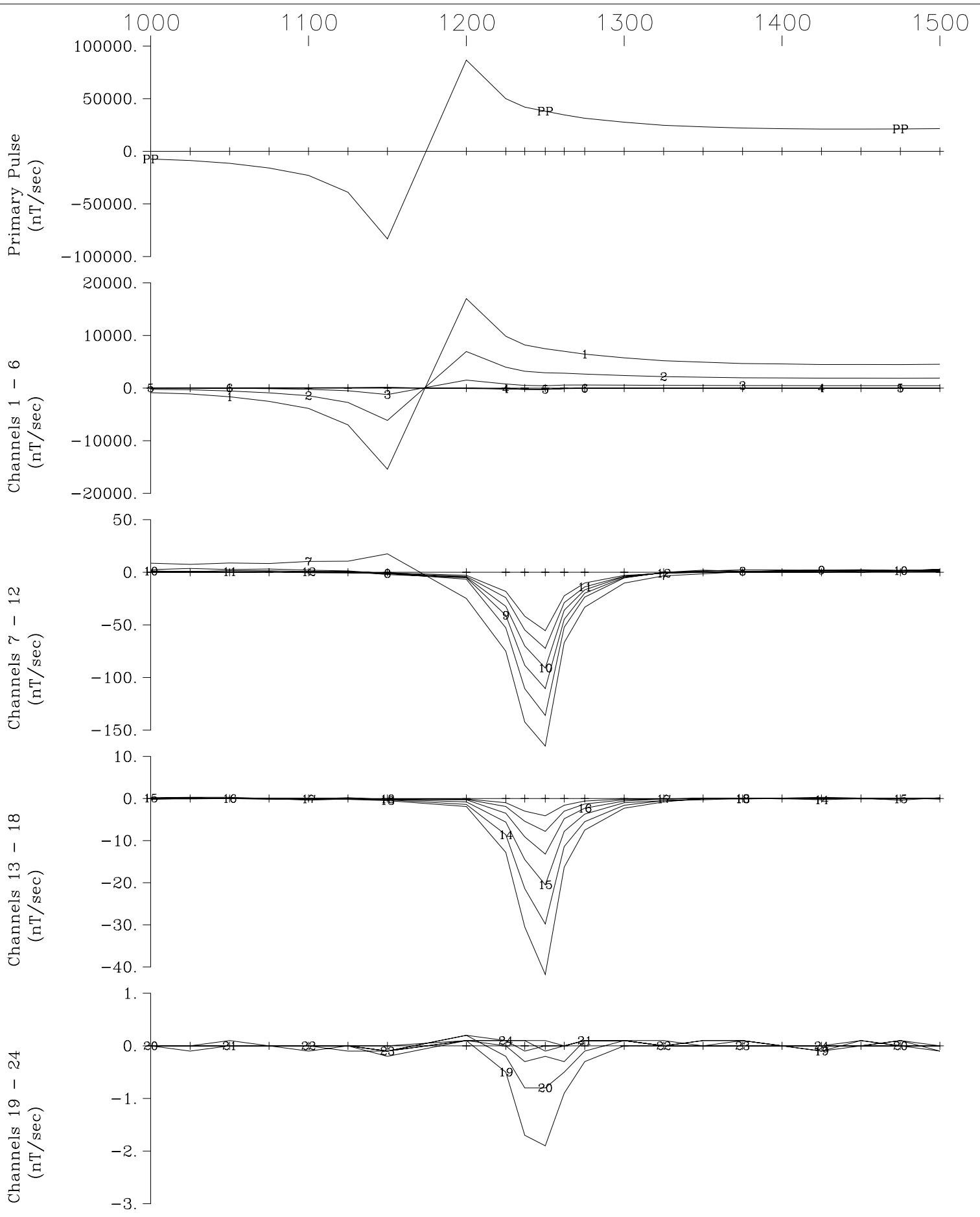
North American Nickel P-049
Loop P-049, Line 9800N X Component
Crone Geophysics & Exploration Ltd.



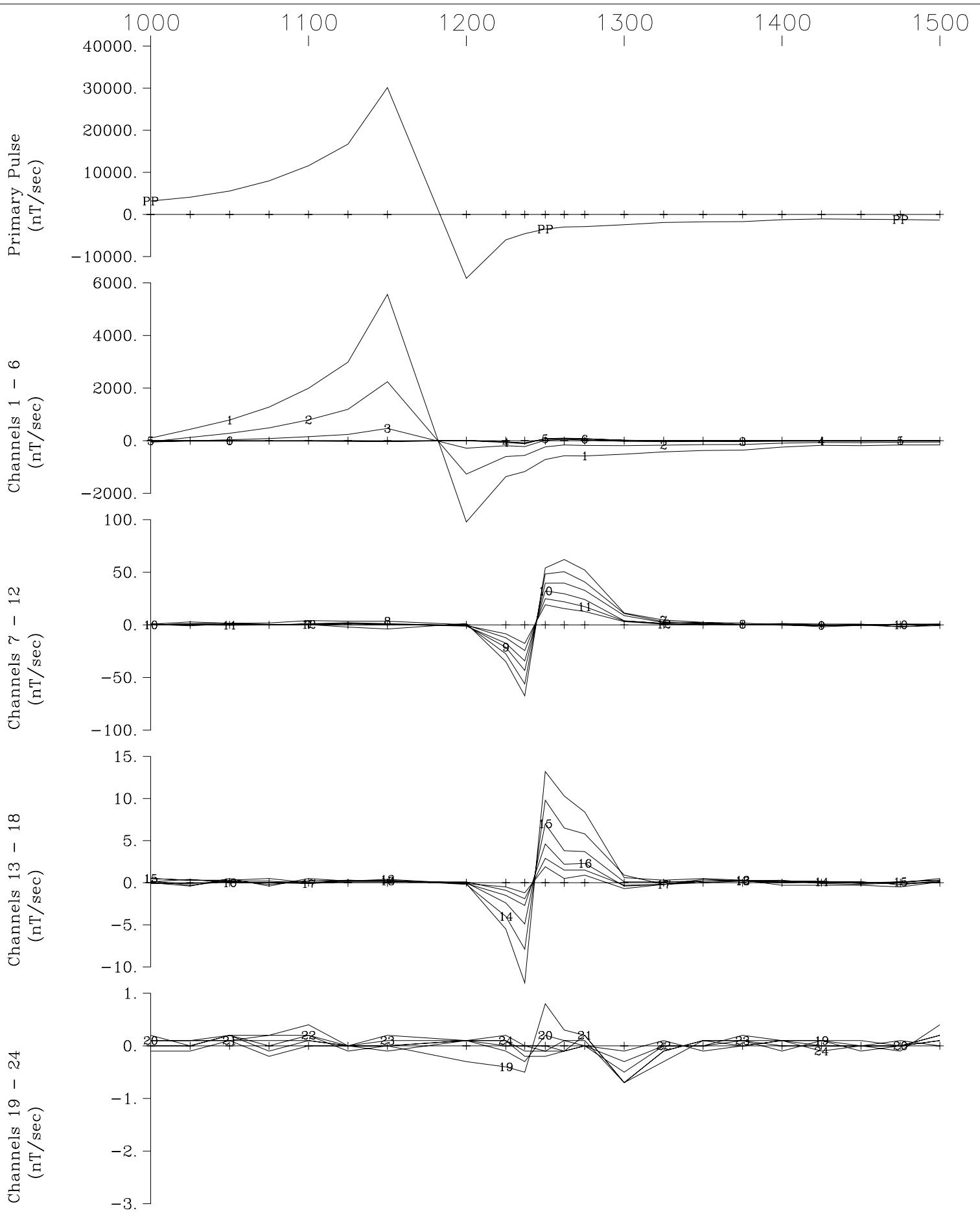
North American Nickel P-049
Loop P-049, Line 9850N Z Component
Crone Geophysics & Exploration Ltd.



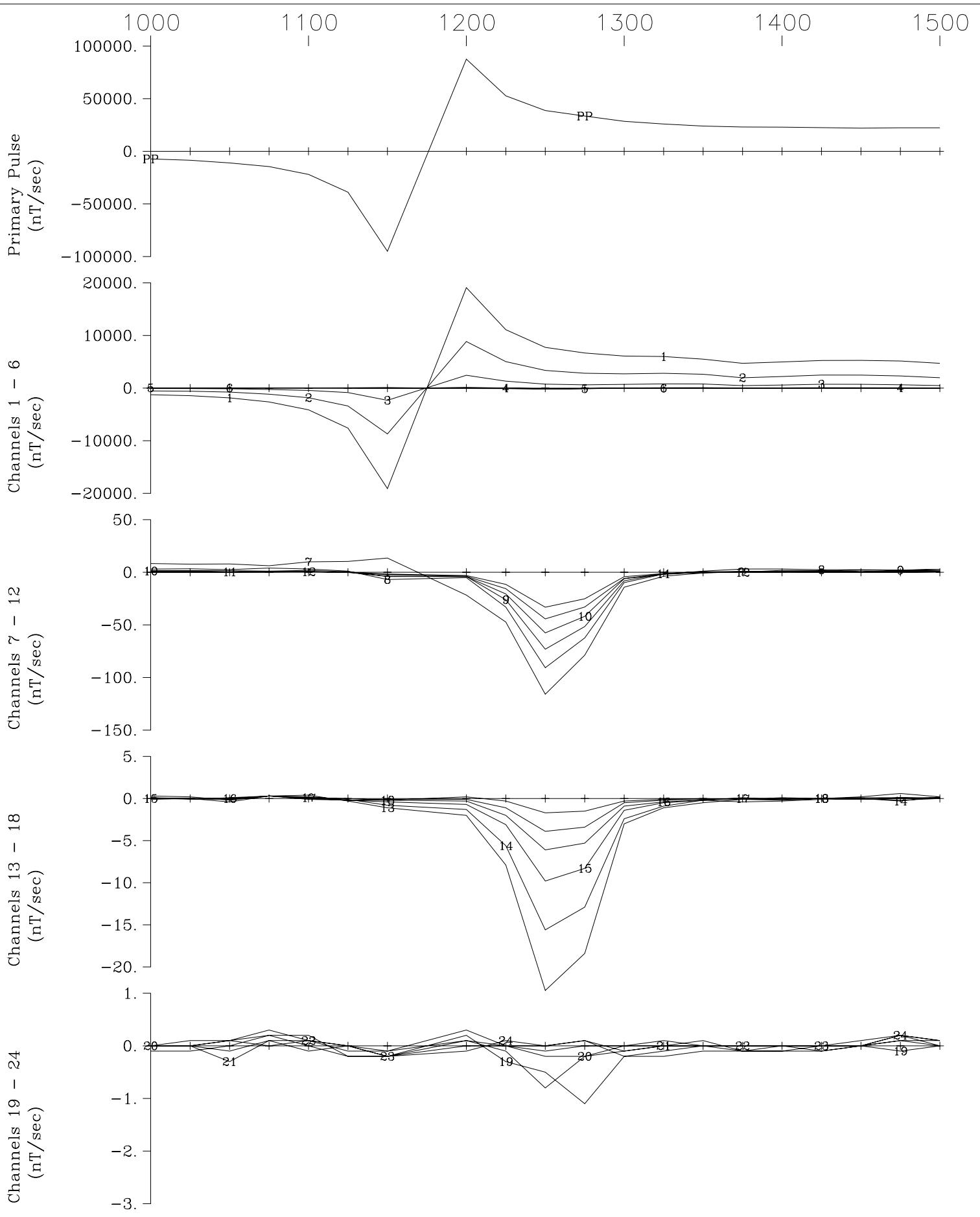
North American Nickel P-049
Loop P-049, Line 9850N X Component
Crone Geophysics & Exploration Ltd.



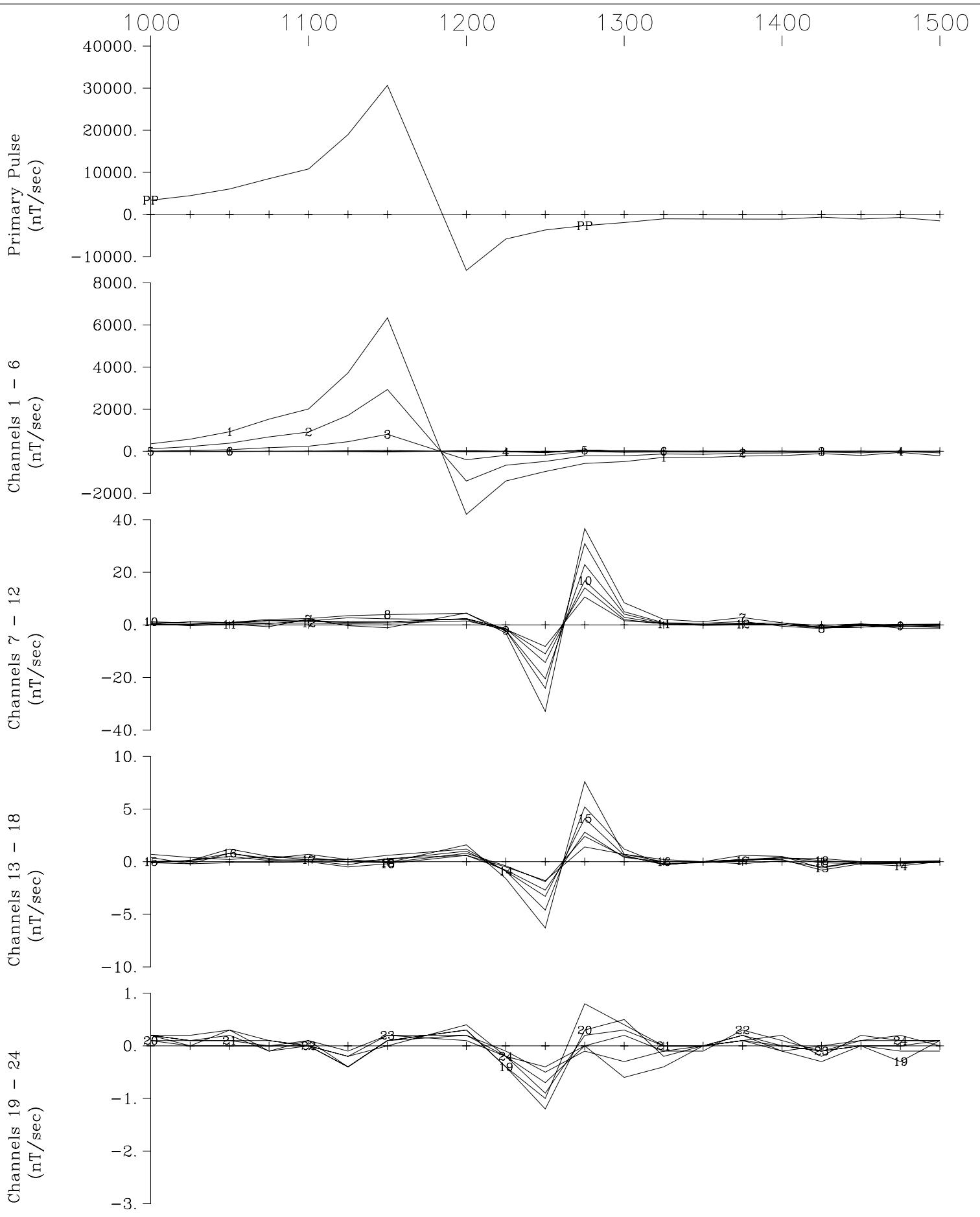
North American Nickel P-049
Loop P-049, Line 9900N Z Component
Crone Geophysics & Exploration Ltd.



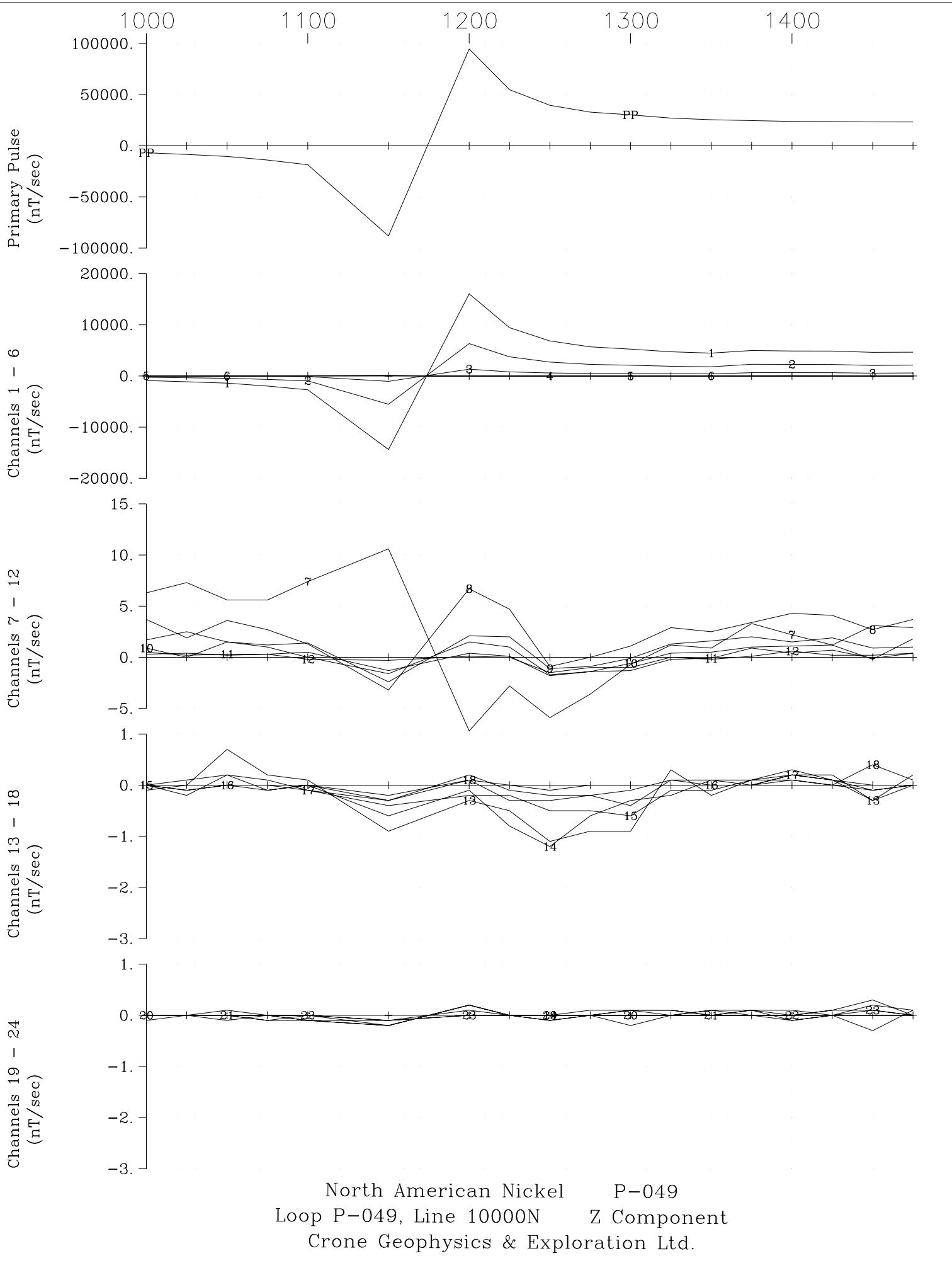
North American Nickel P-049
Loop P-049, Line 9900N X Component
Crone Geophysics & Exploration Ltd.

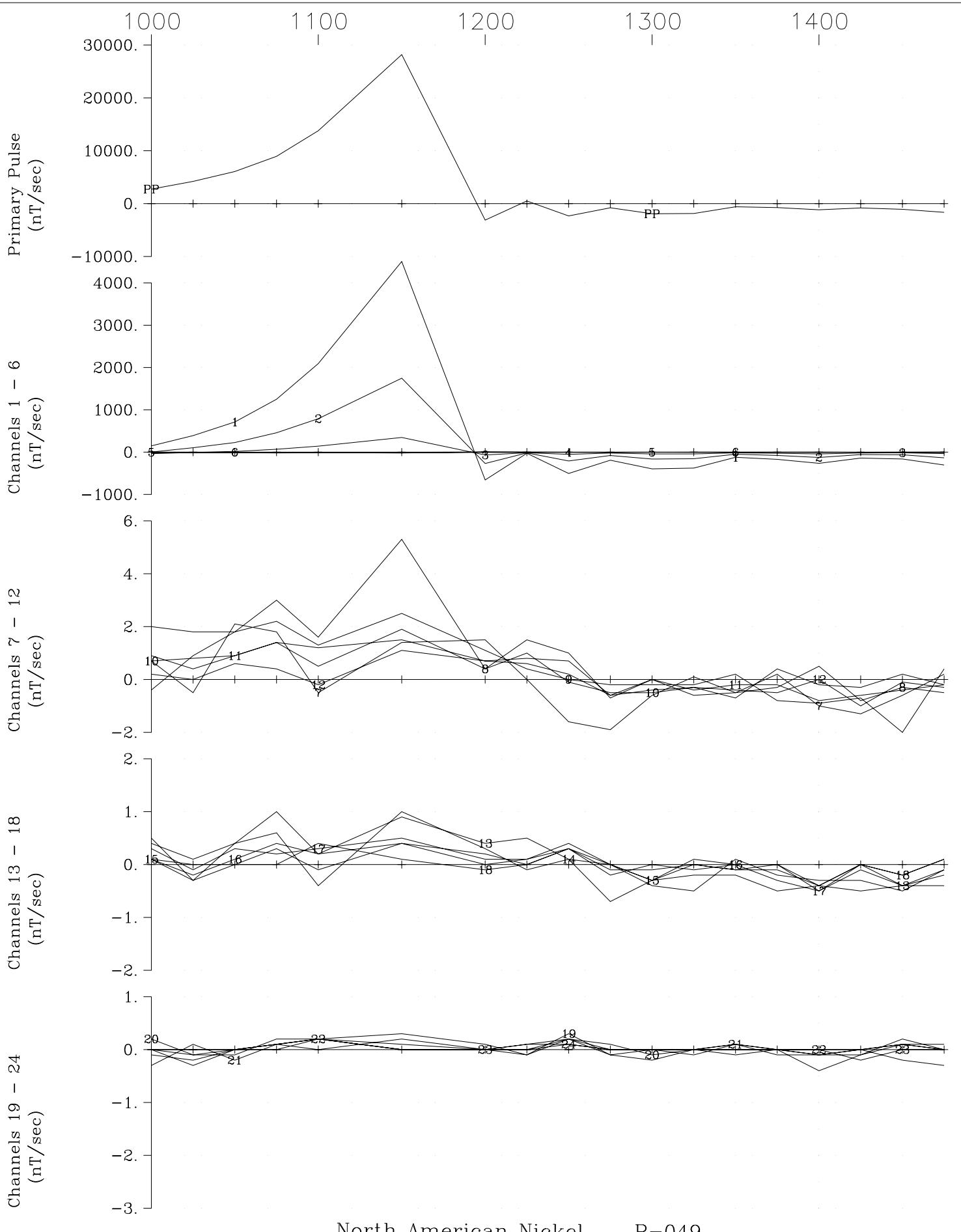


North American Nickel P-049
Loop P-049, Line 9950N Z Component
Crone Geophysics & Exploration Ltd.

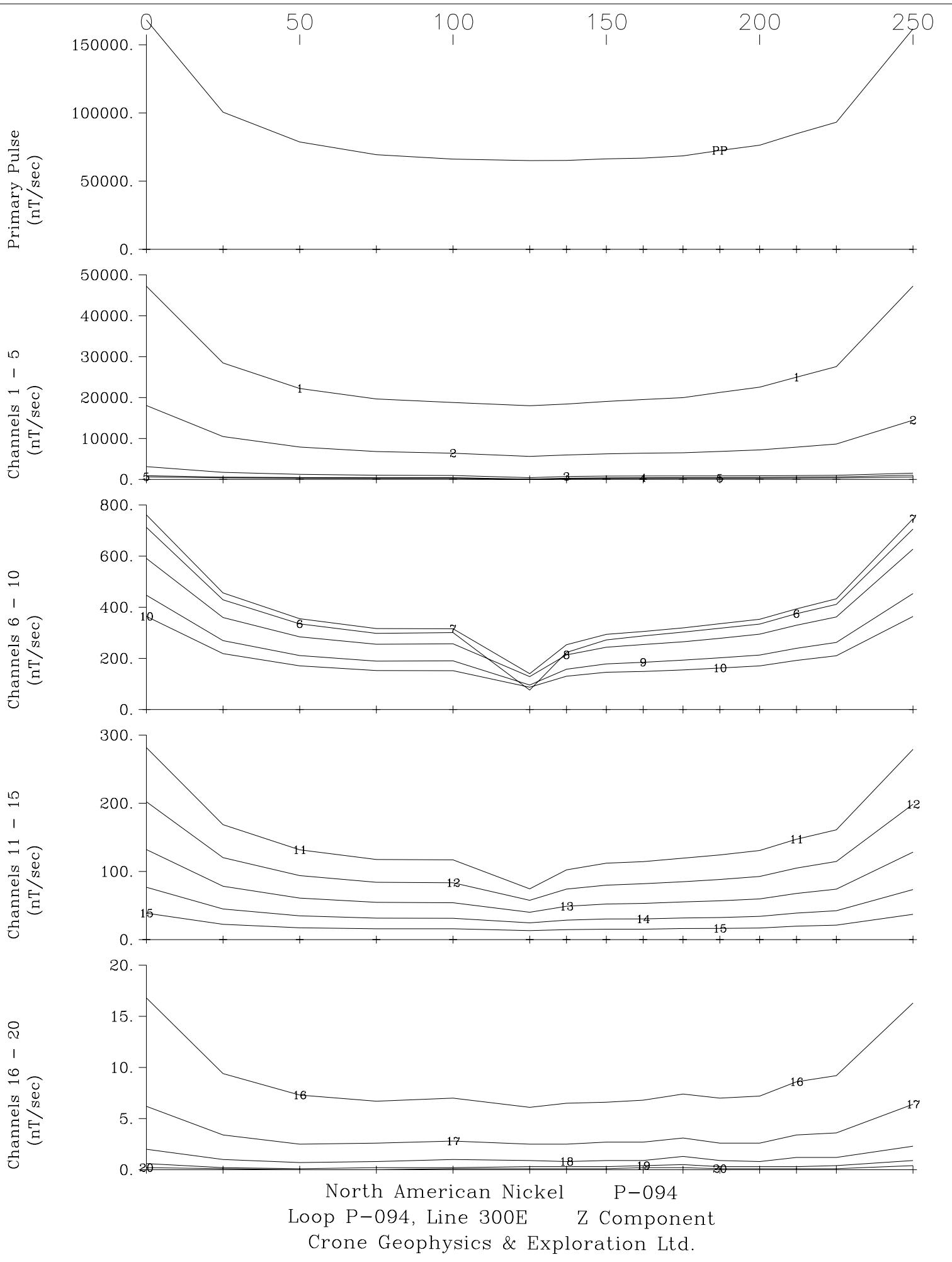


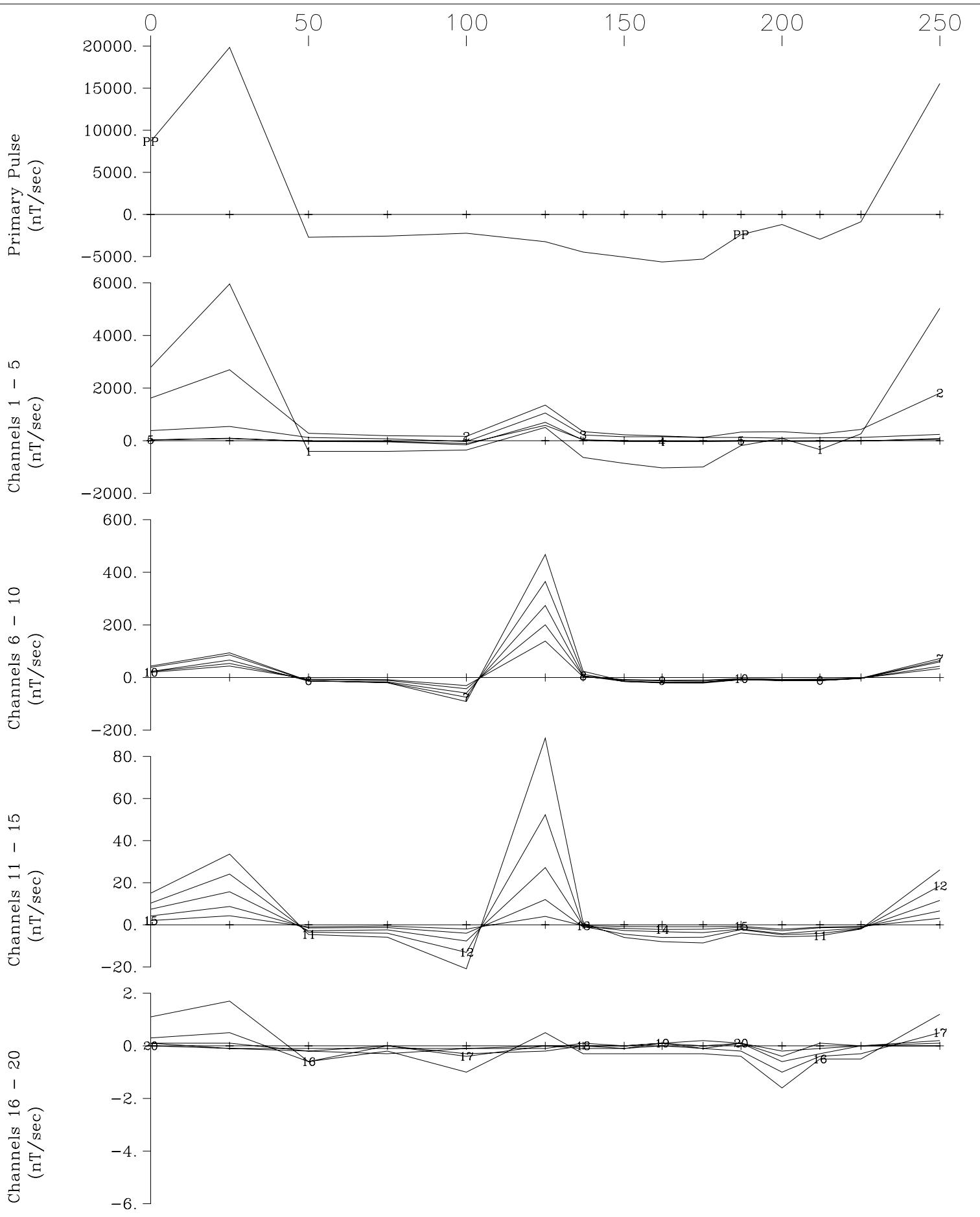
North American Nickel P-049
Loop P-049, Line 9950N X Component
Crone Geophysics & Exploration Ltd.



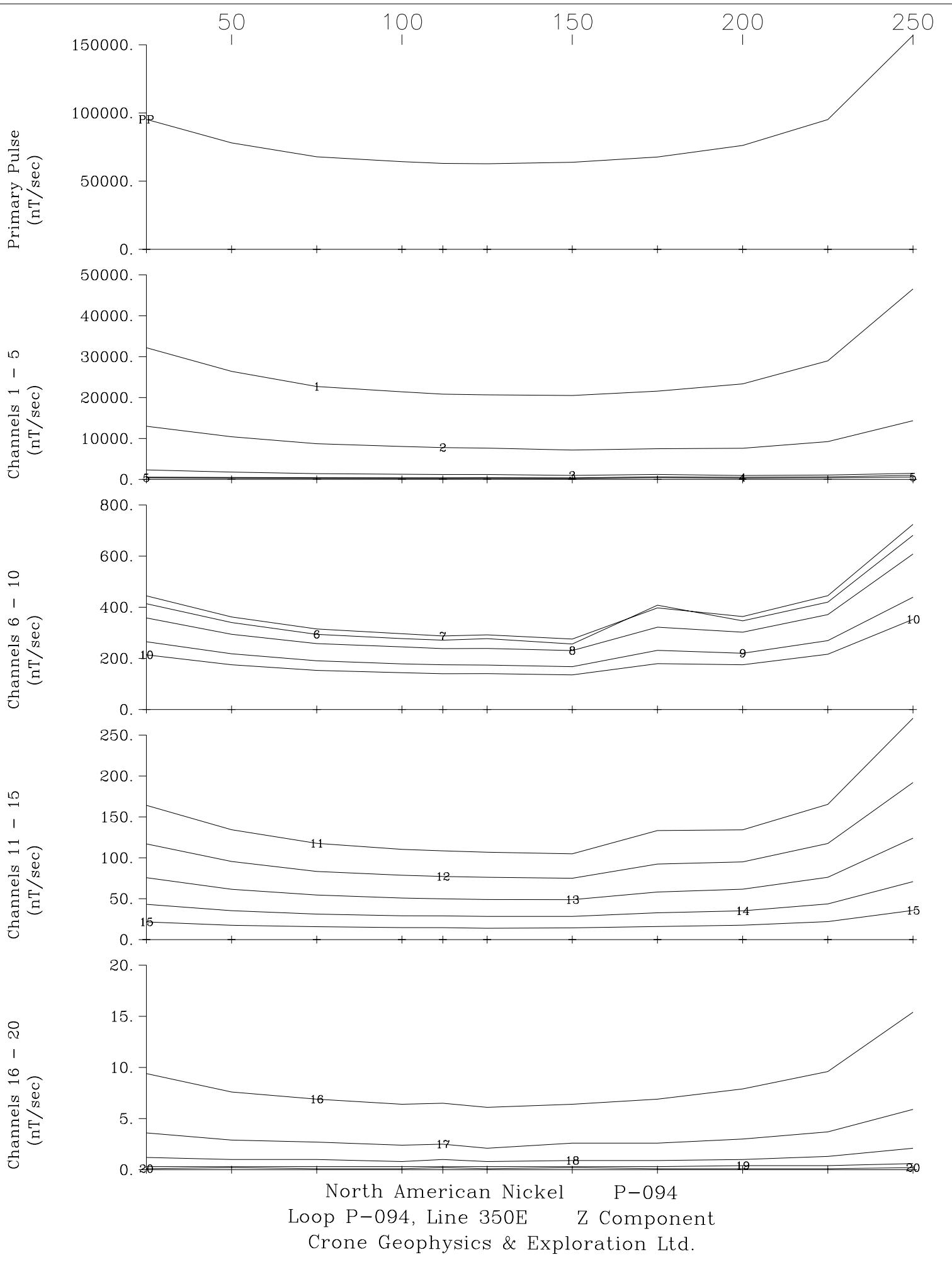


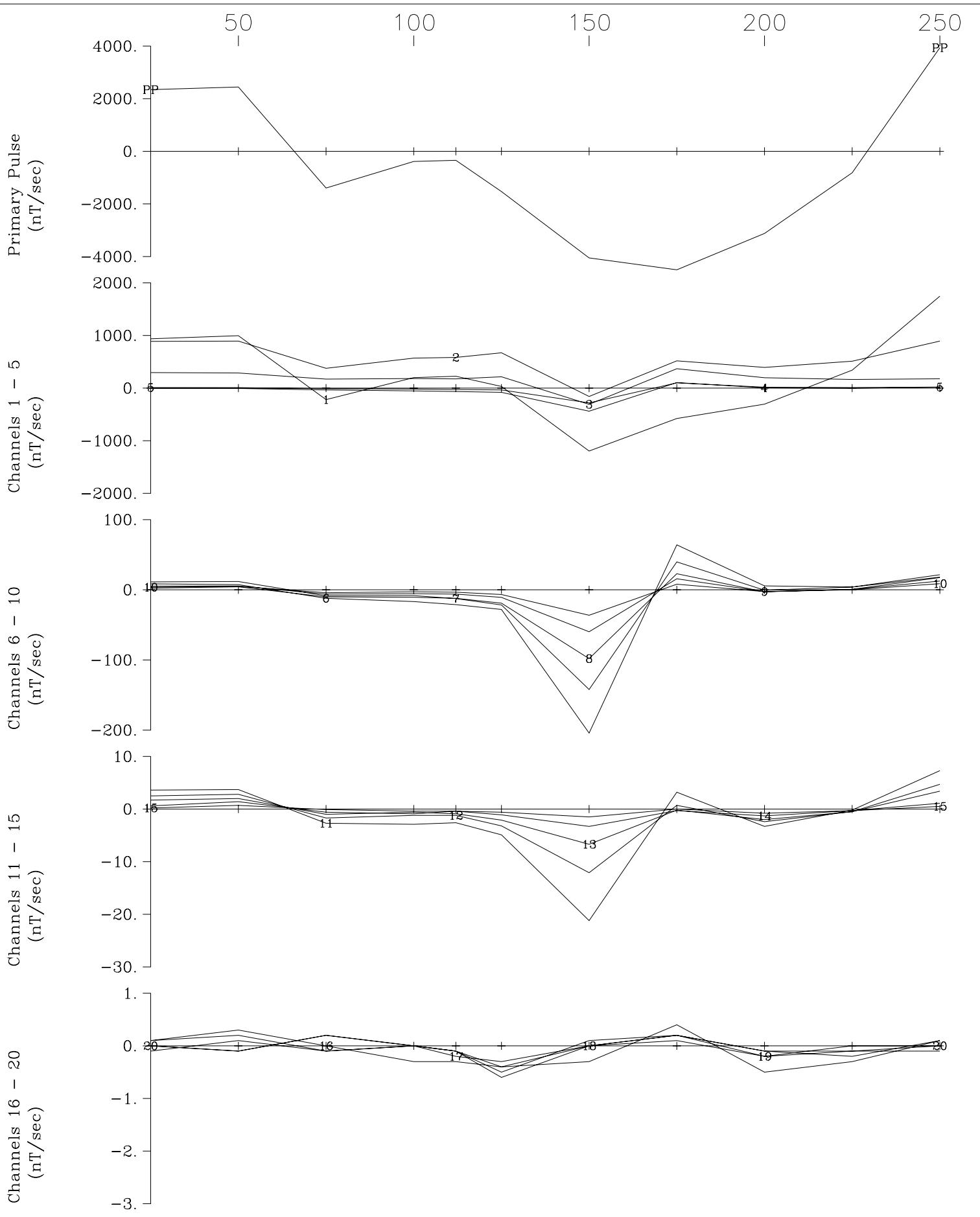
North American Nickel P-049
Loop P-049, Line 1000N X Component
Crone Geophysics & Exploration Ltd.



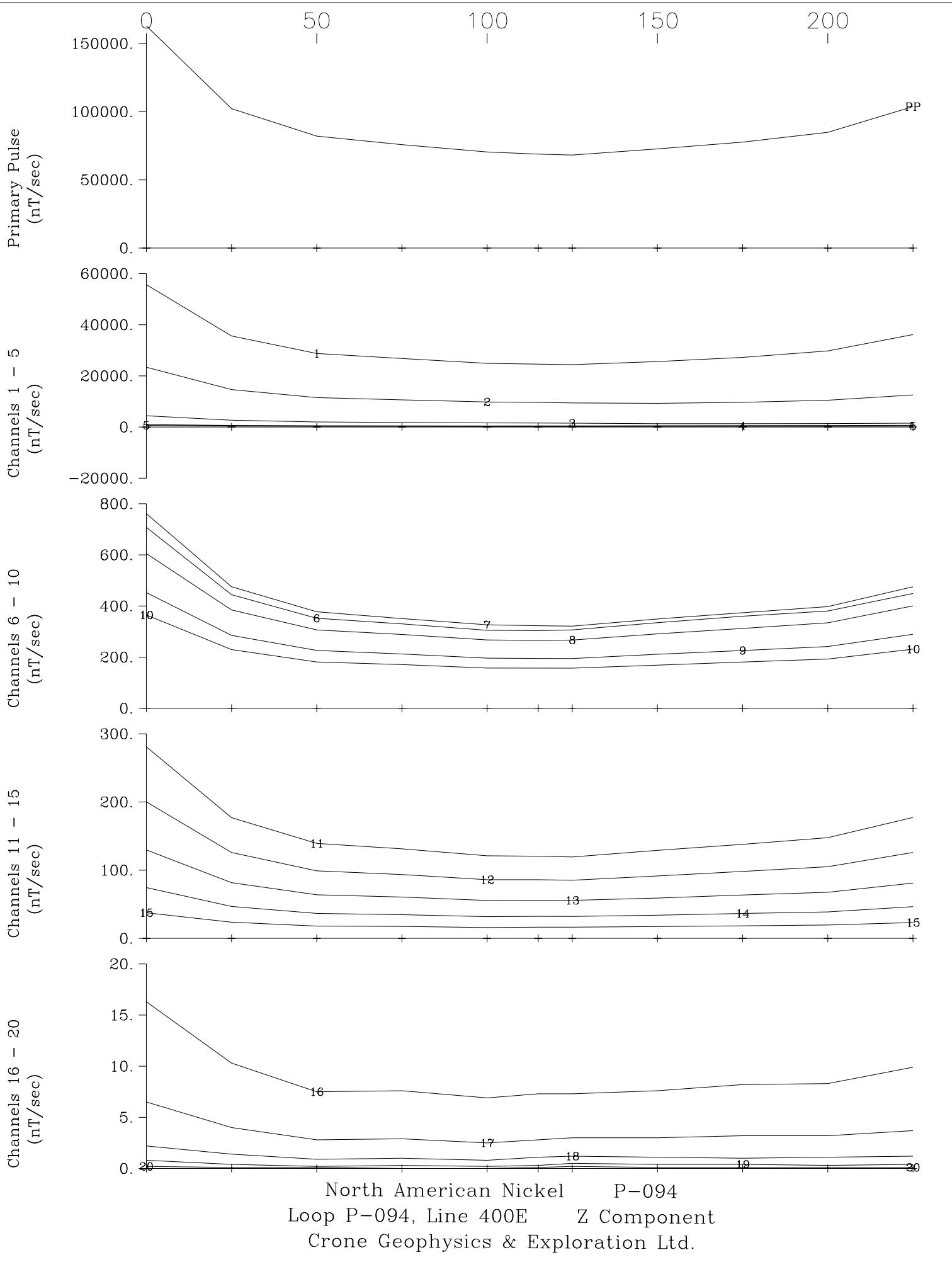


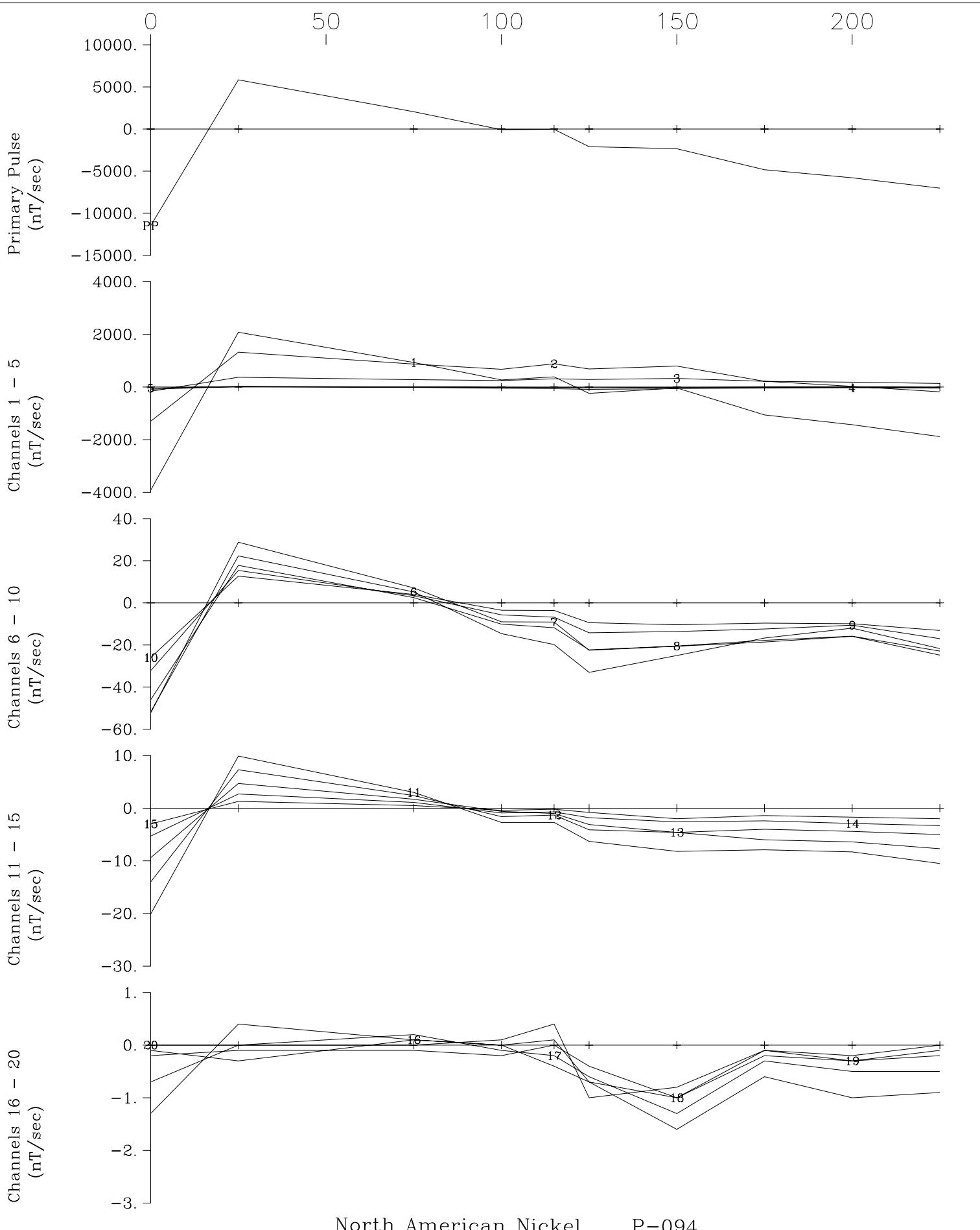
North American Nickel P-094
Loop P-094, Line 300E X Component
Crone Geophysics & Exploration Ltd.



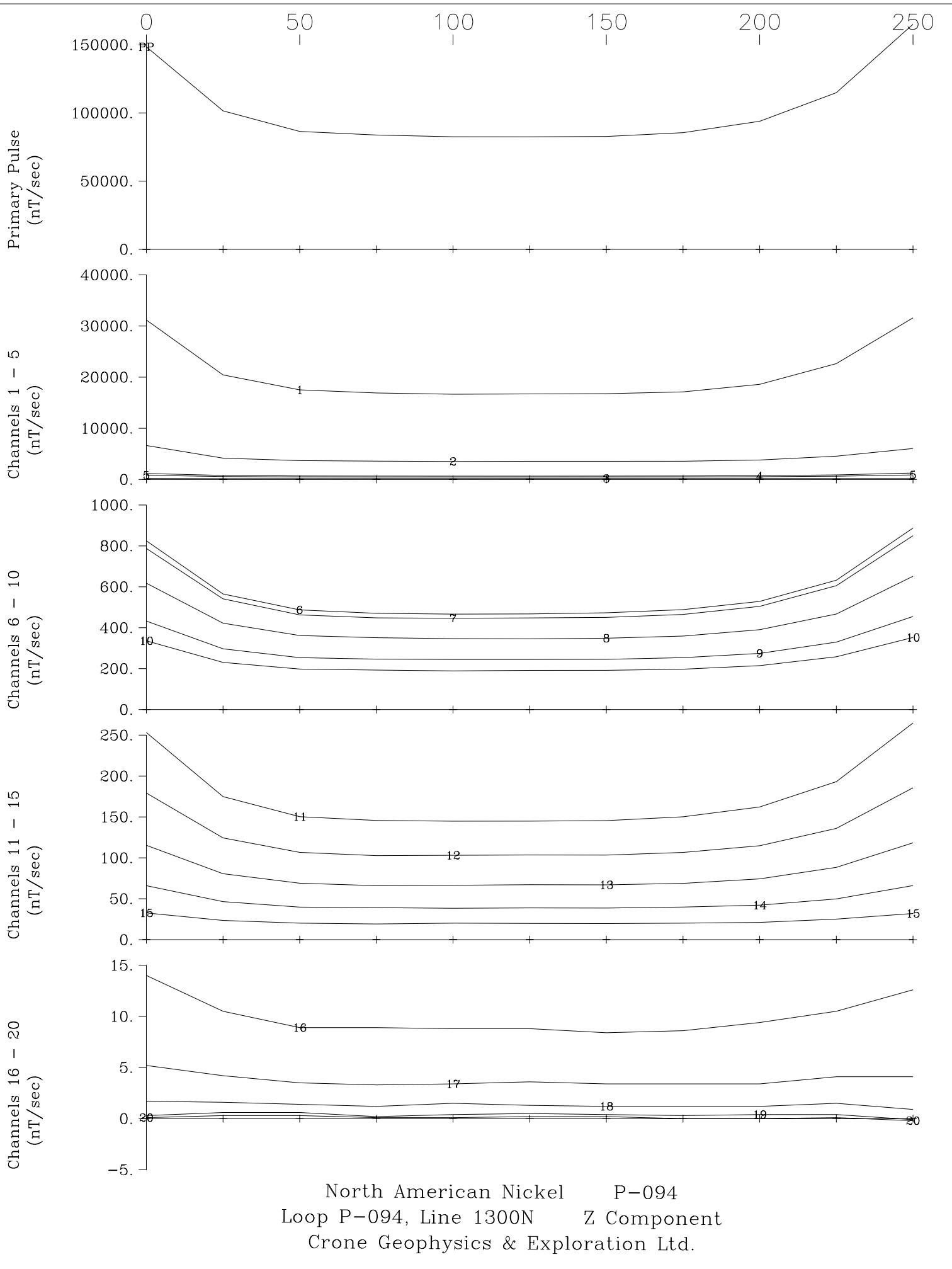


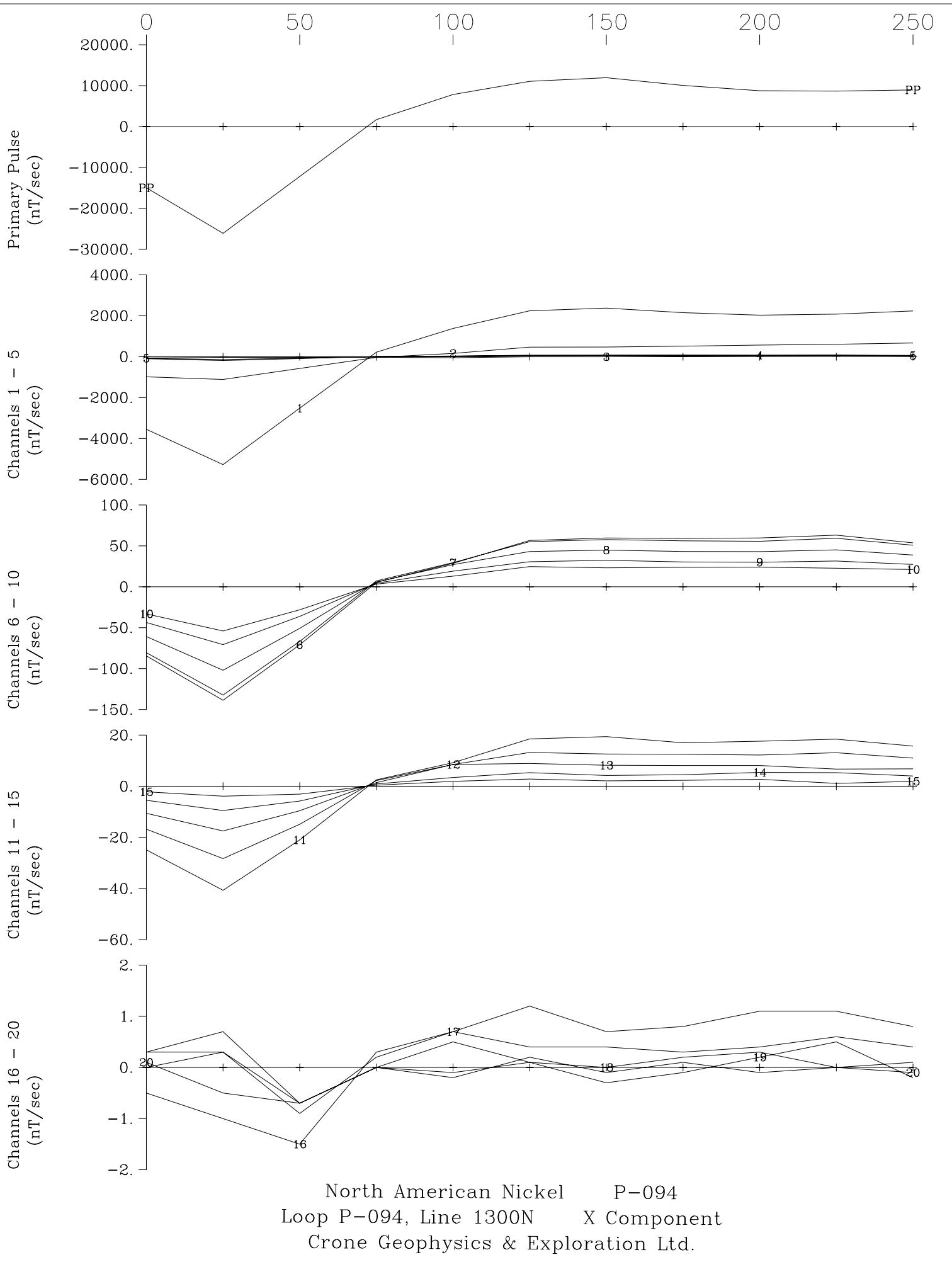
North American Nickel P-094
Loop P-094, Line 350E X Component
Crone Geophysics & Exploration Ltd.

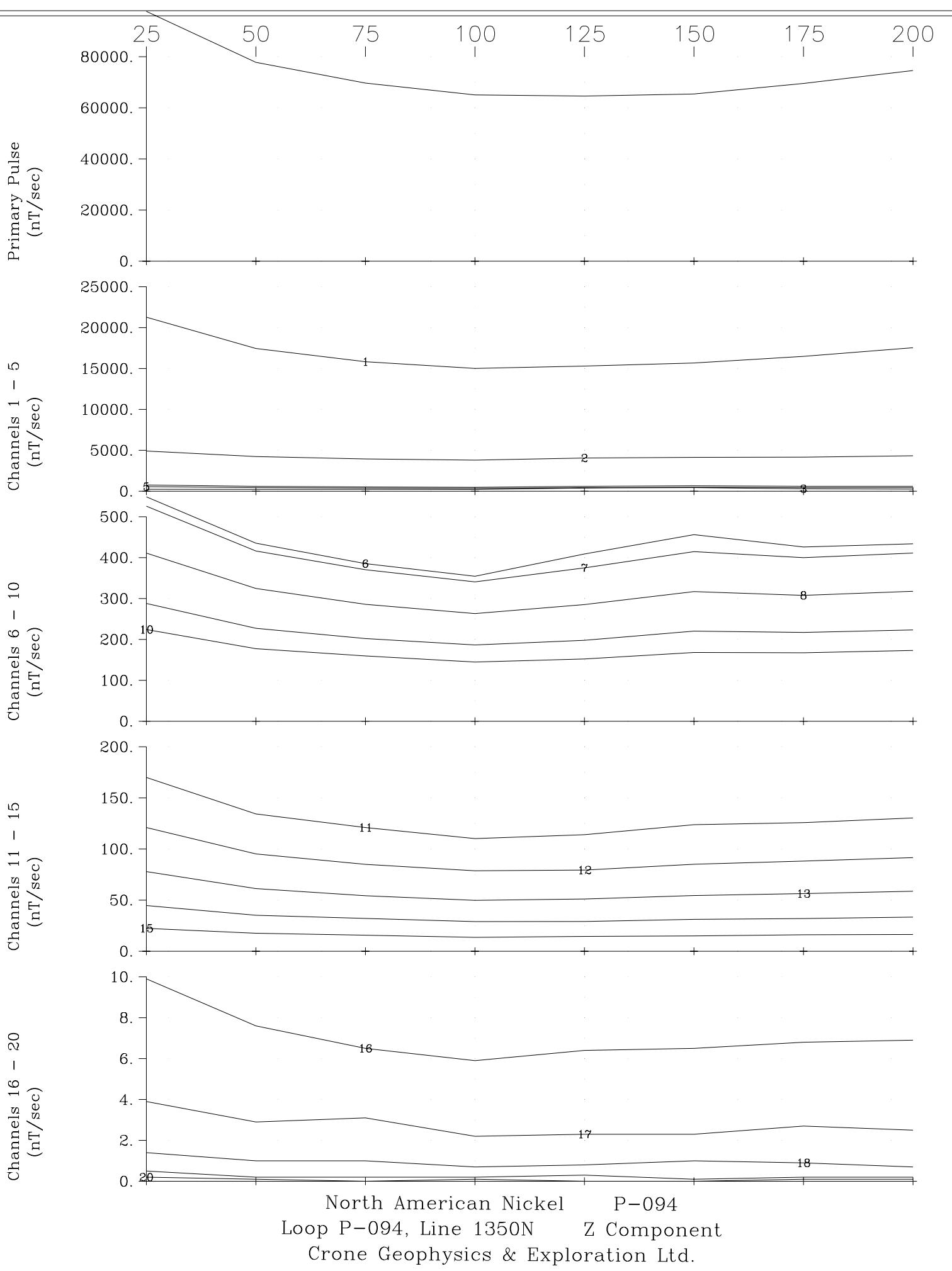


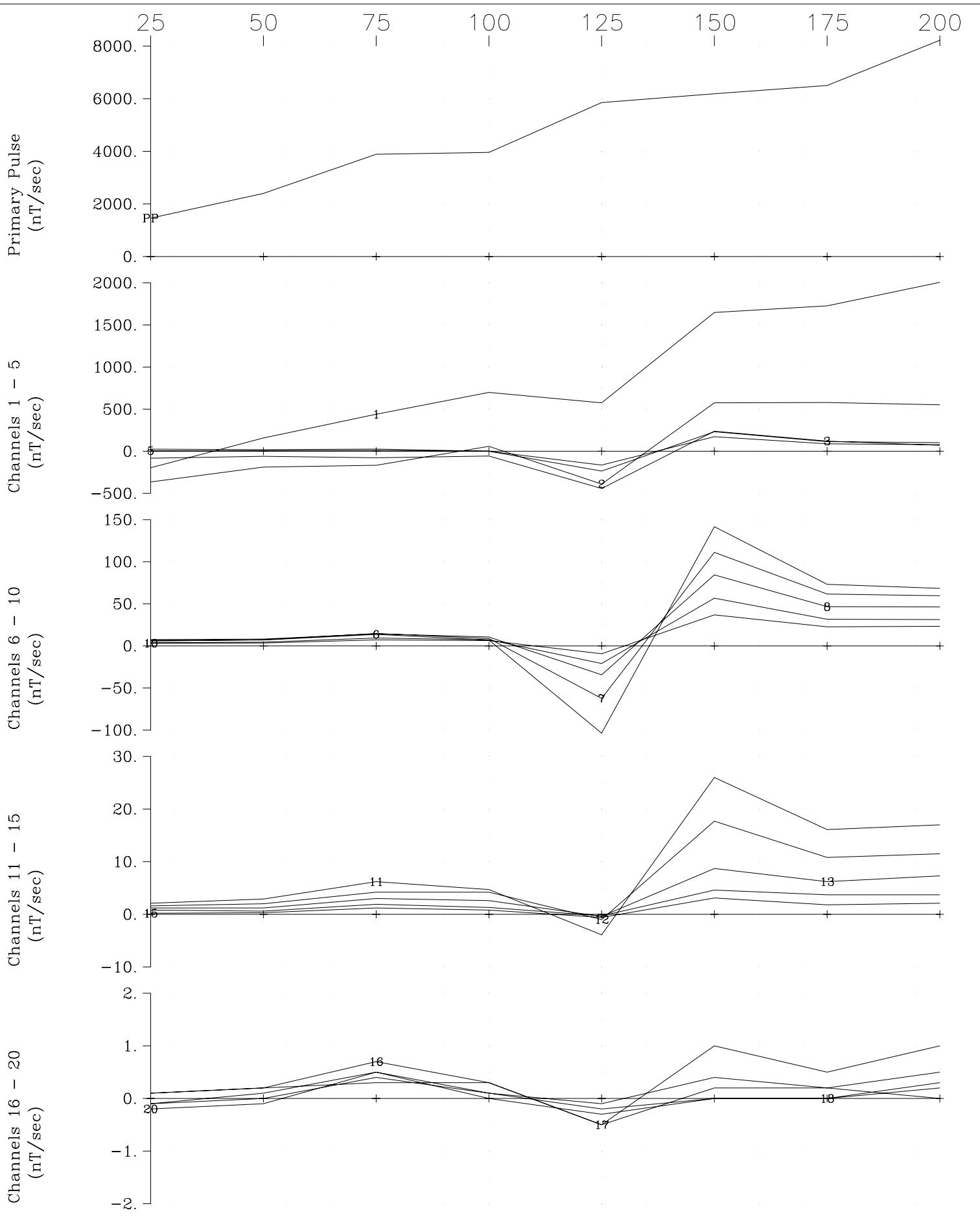


North American Nickel P-094
Loop P-094, Line 400E X Component
Crone Geophysics & Exploration Ltd.

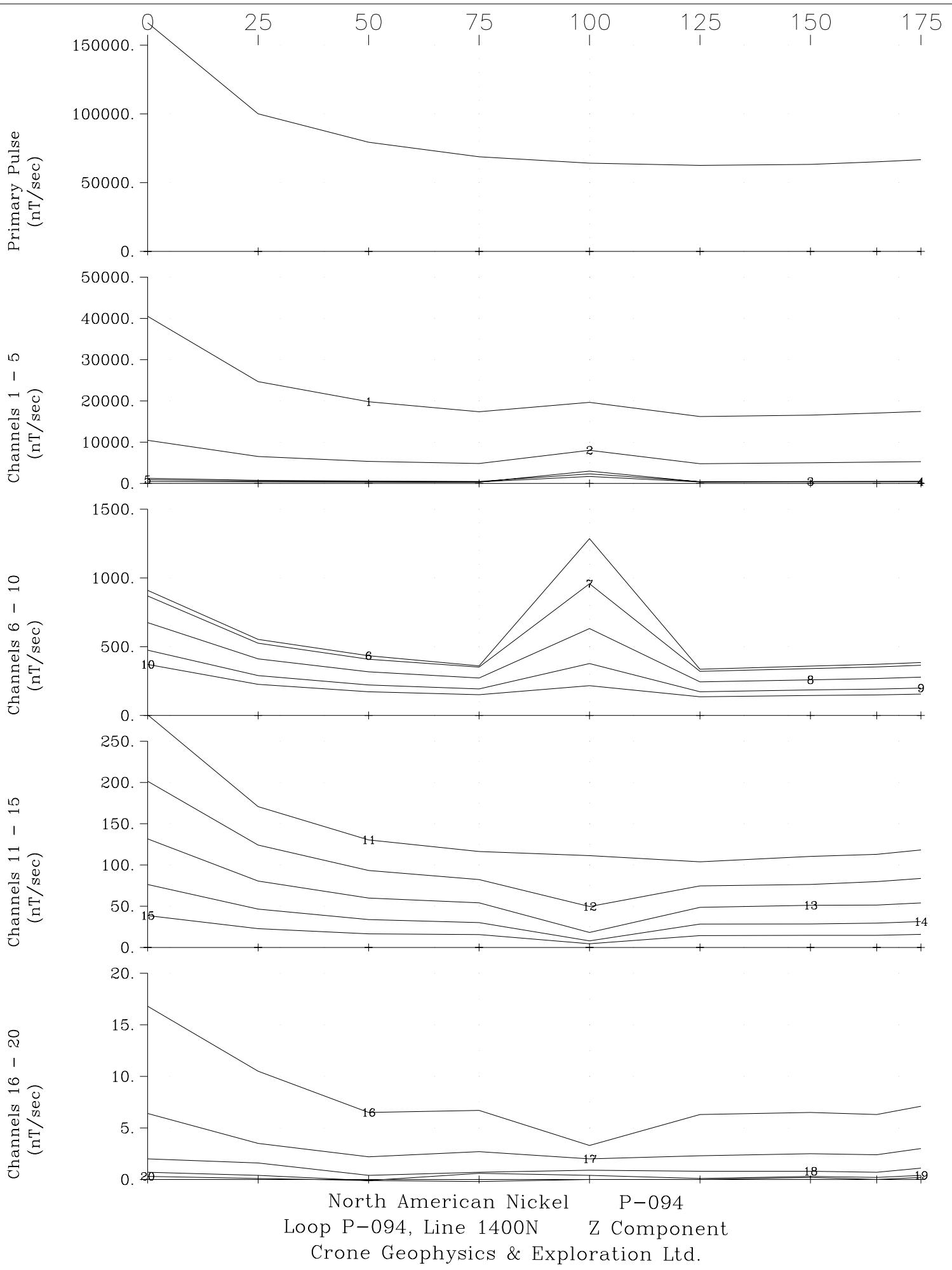


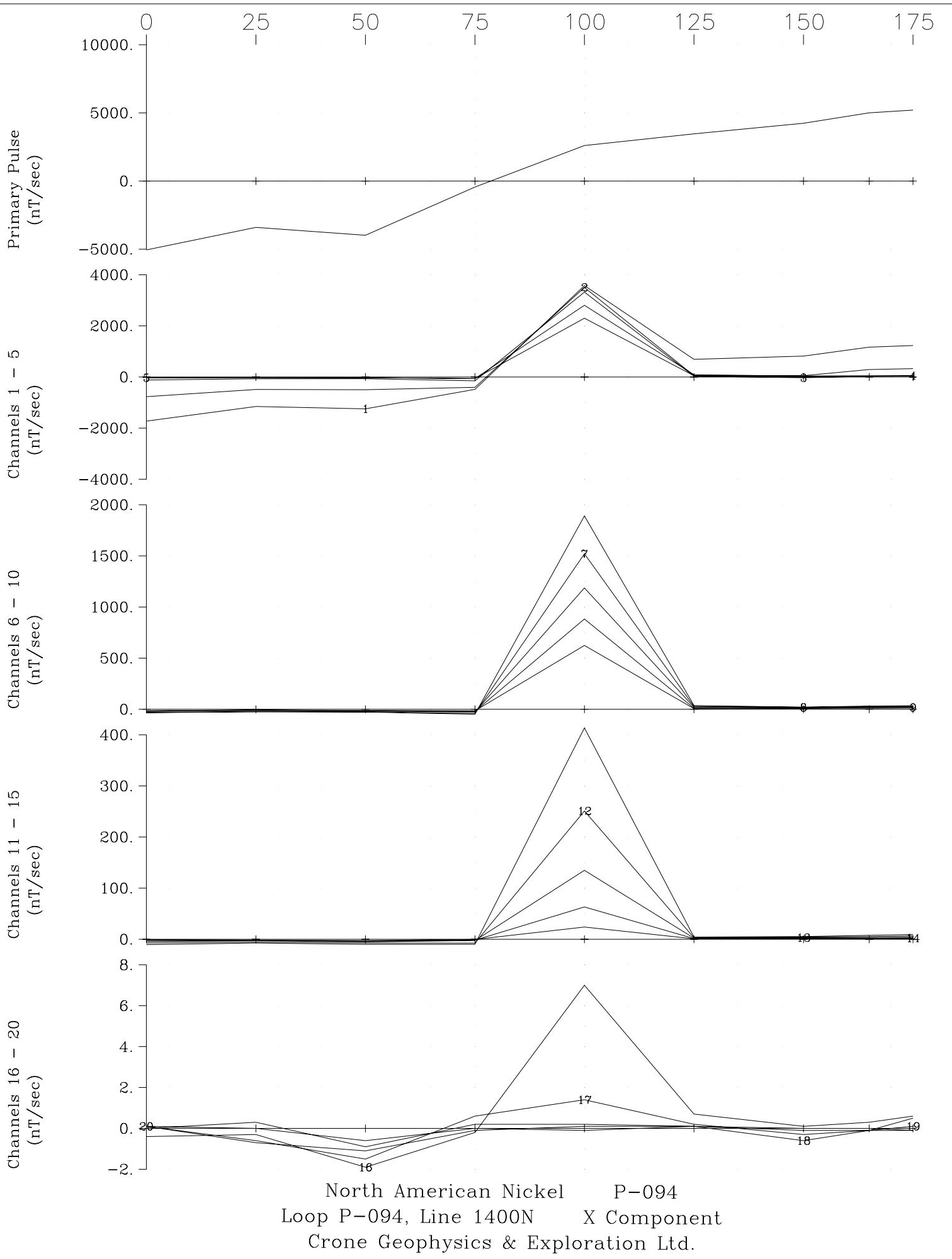


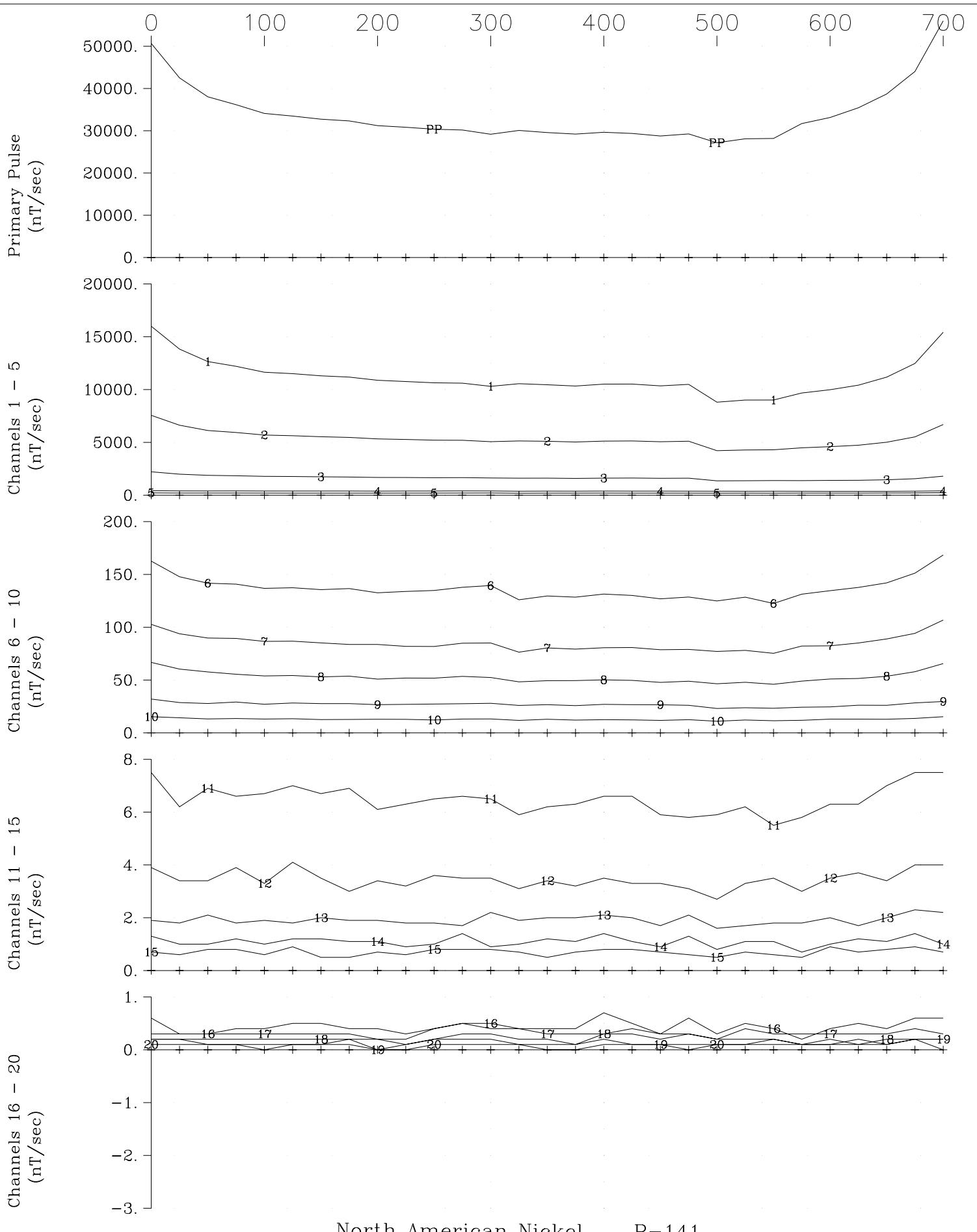




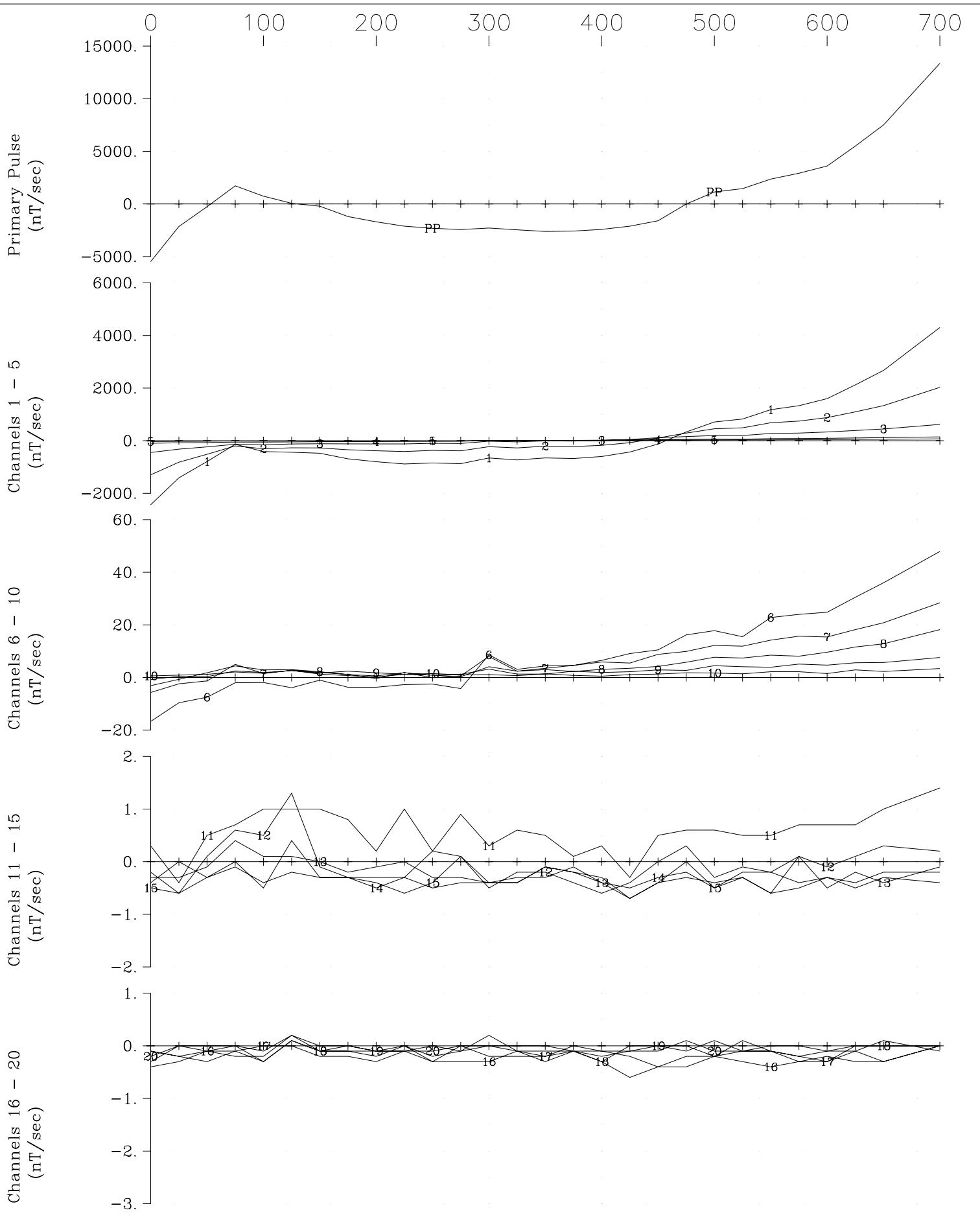
North American Nickel P-094
Loop P-094, Line 1350N X Component
Crone Geophysics & Exploration Ltd.



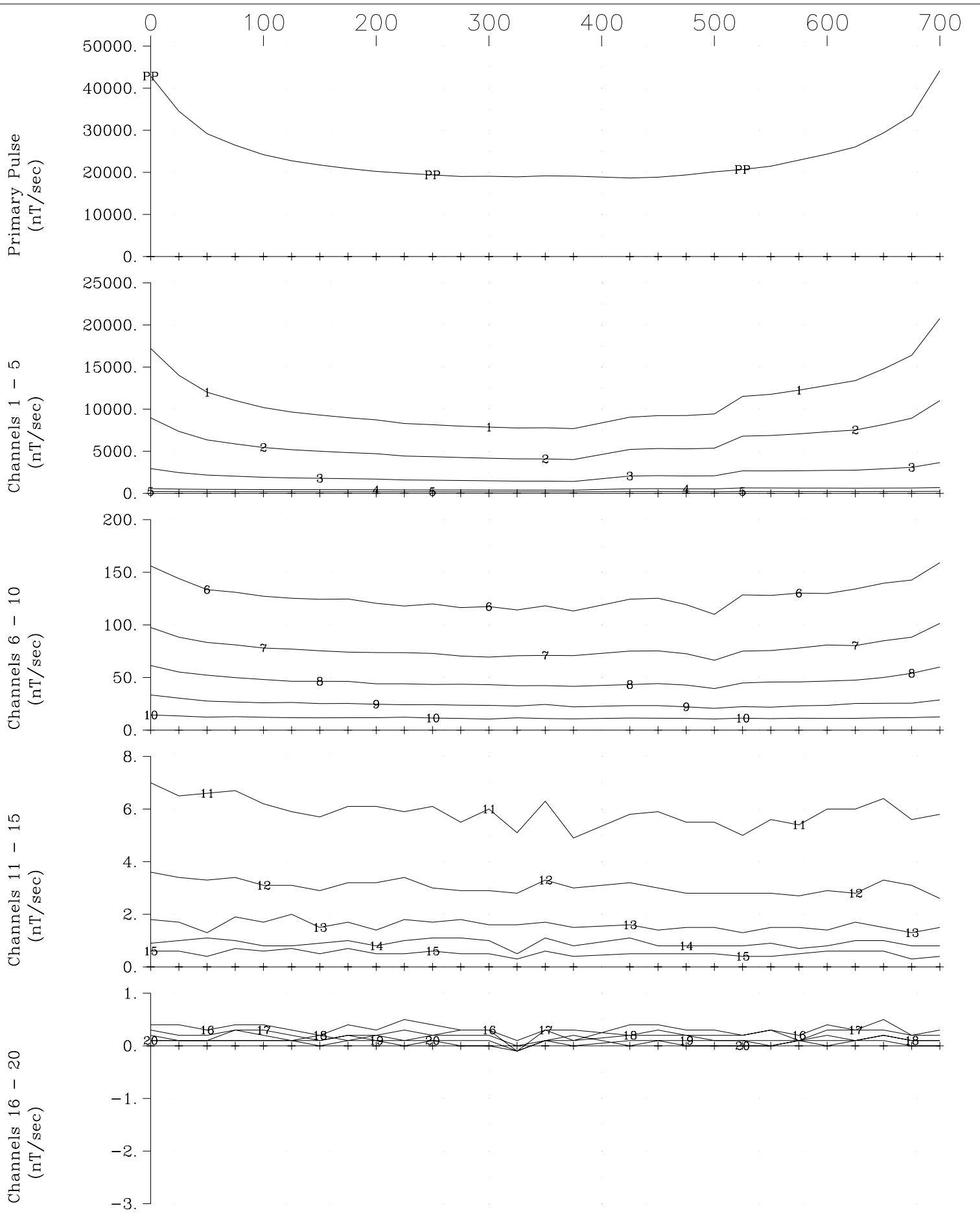




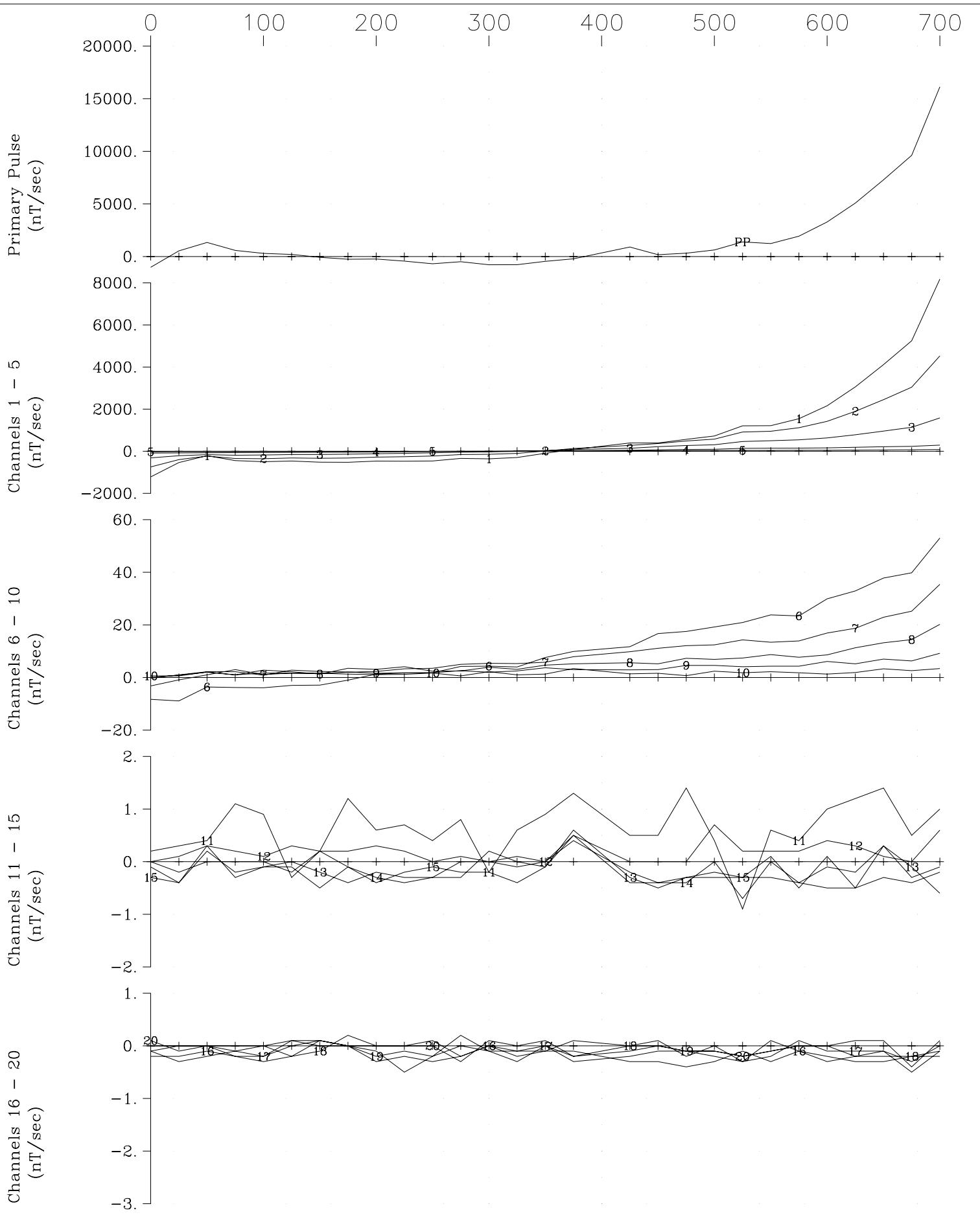
North American Nickel P-141
Loop P-141, Line 100E Z Component
Crone Geophysics & Exploration Ltd.



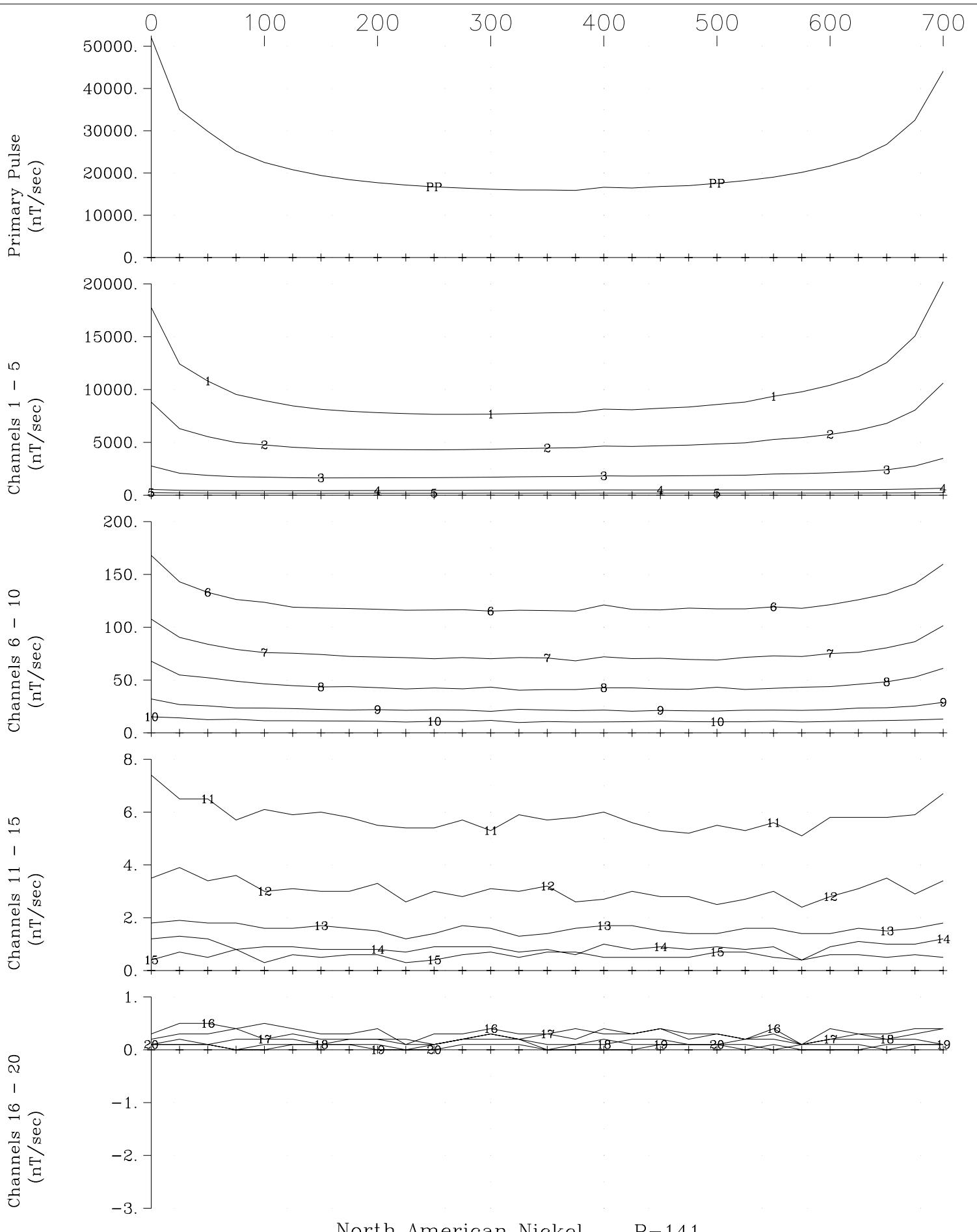
North American Nickel P-141
Loop P-141, Line 100E X Component
Crone Geophysics & Exploration Ltd.



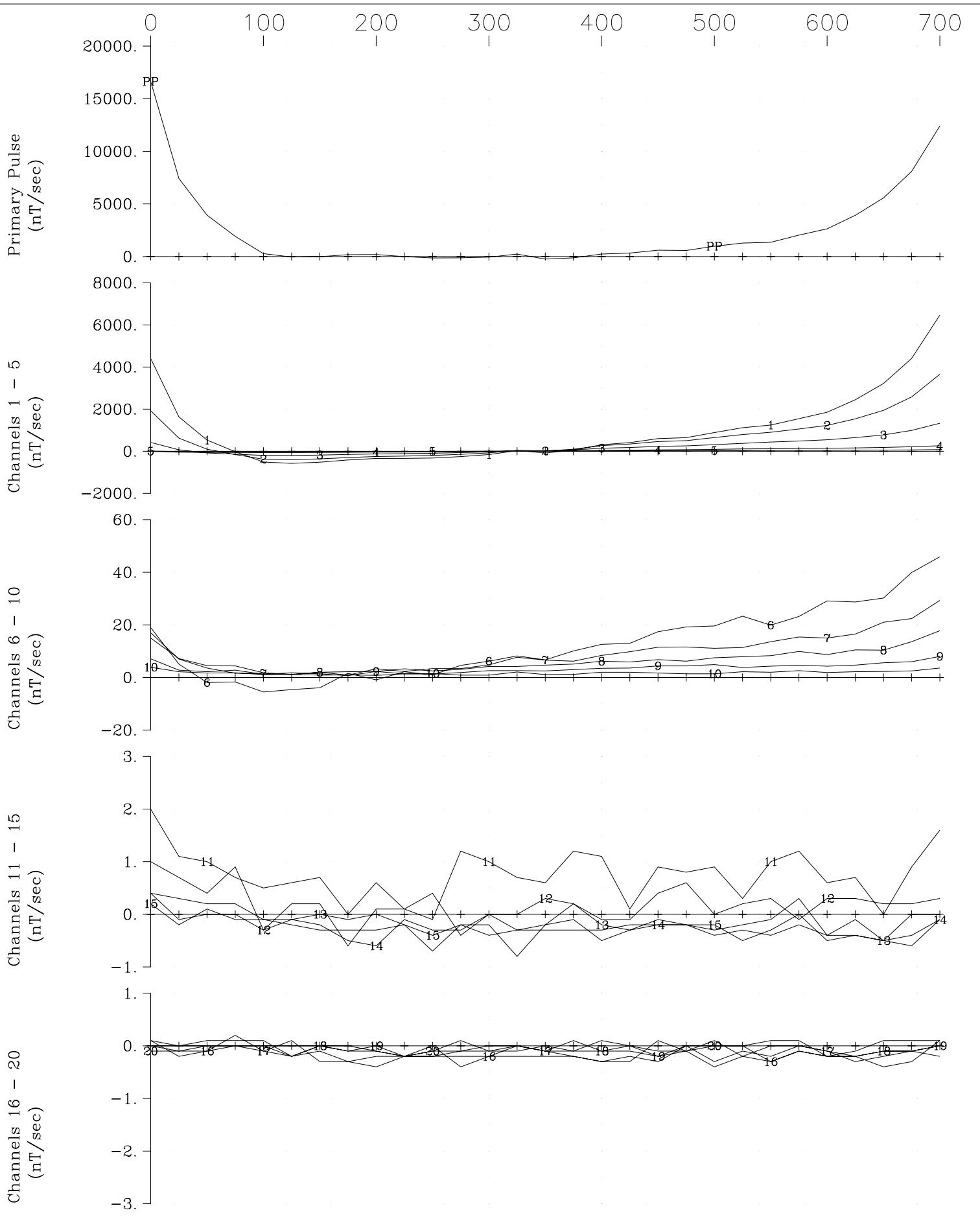
North American Nickel P-141
Loop P-141, Line 200E Z Component
Crone Geophysics & Exploration Ltd.



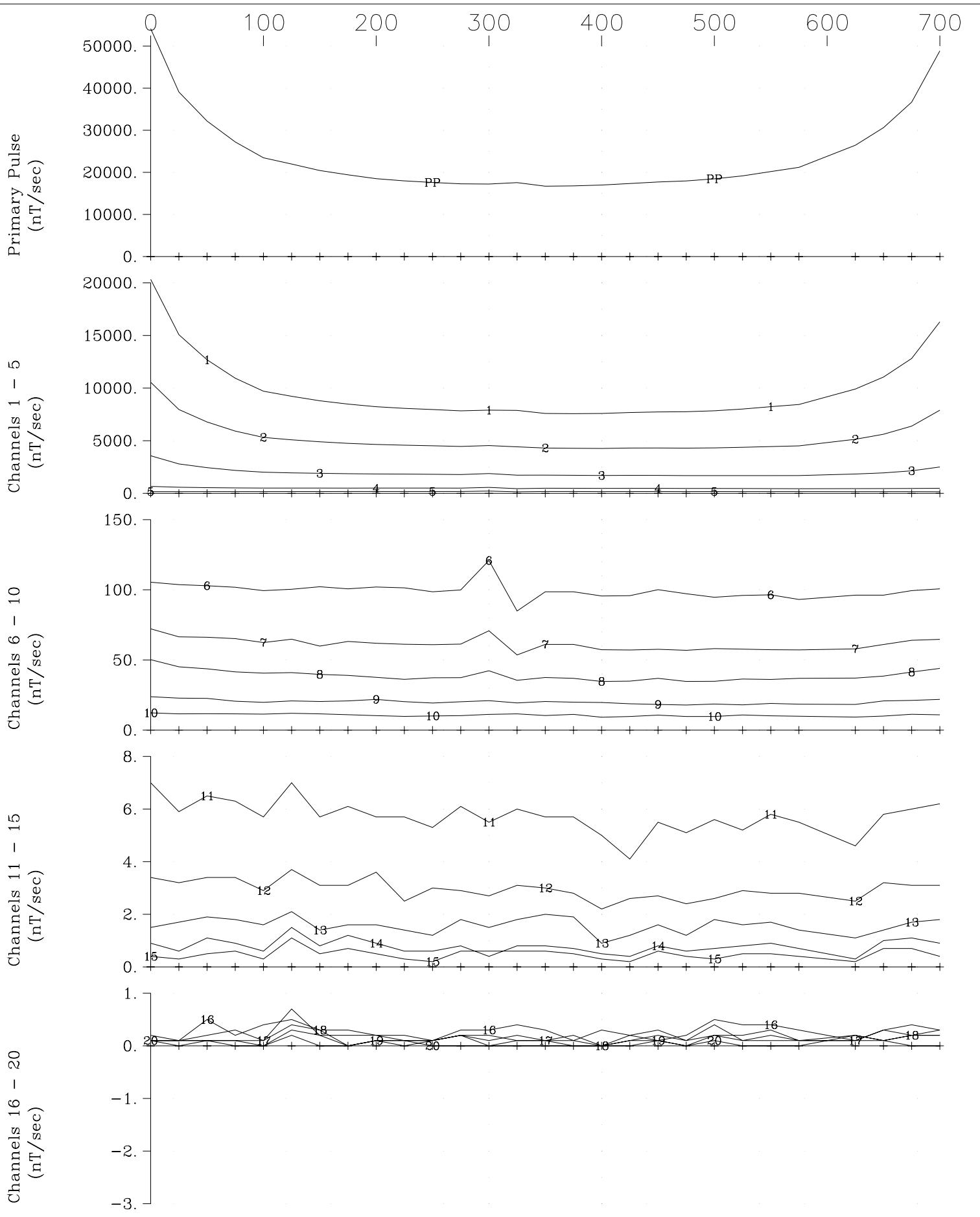
North American Nickel P-141
Loop P-141, Line 200E X Component
Crone Geophysics & Exploration Ltd.



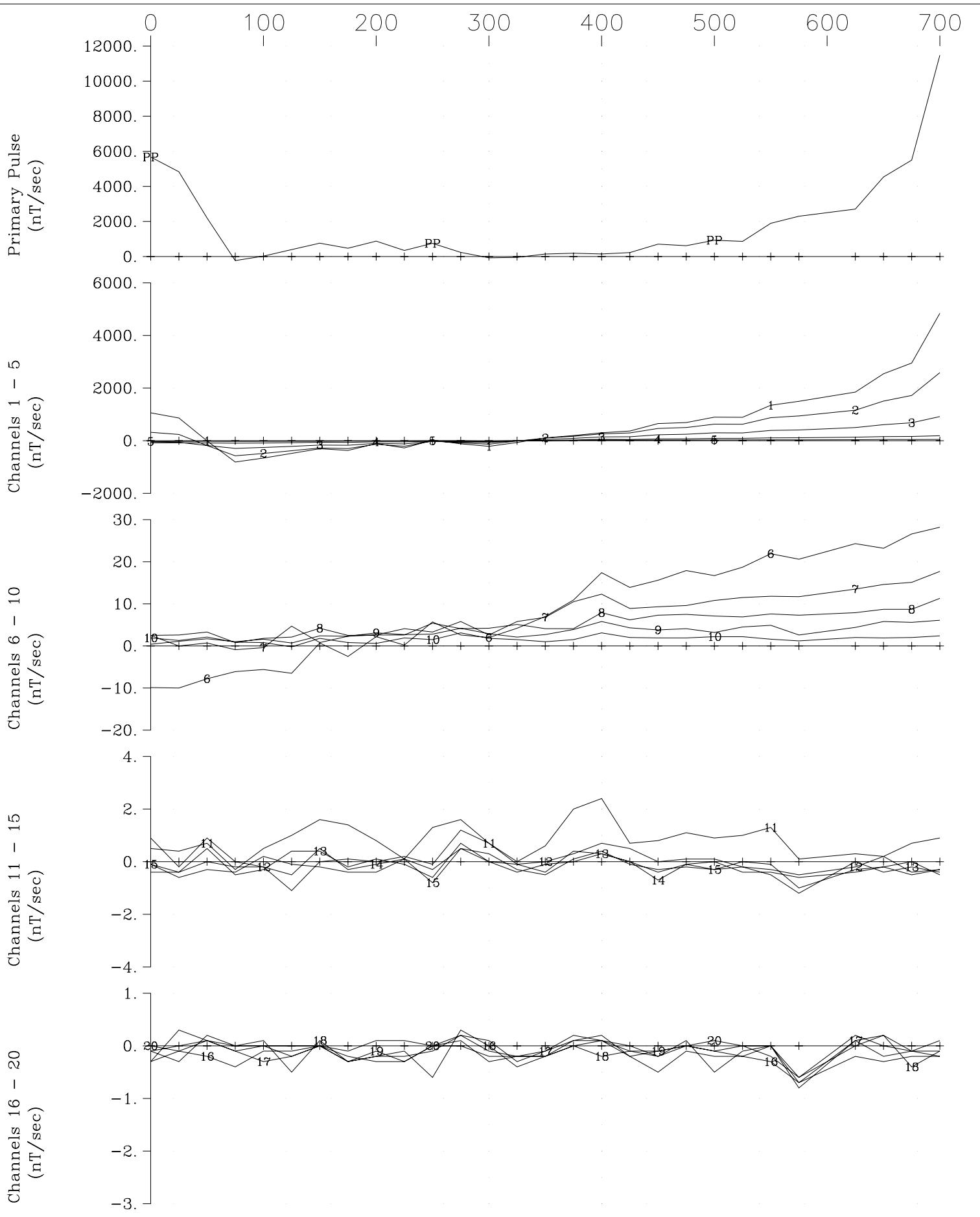
North American Nickel P-141
 Loop P-141, Line 300E Z Component
 Crone Geophysics & Exploration Ltd.



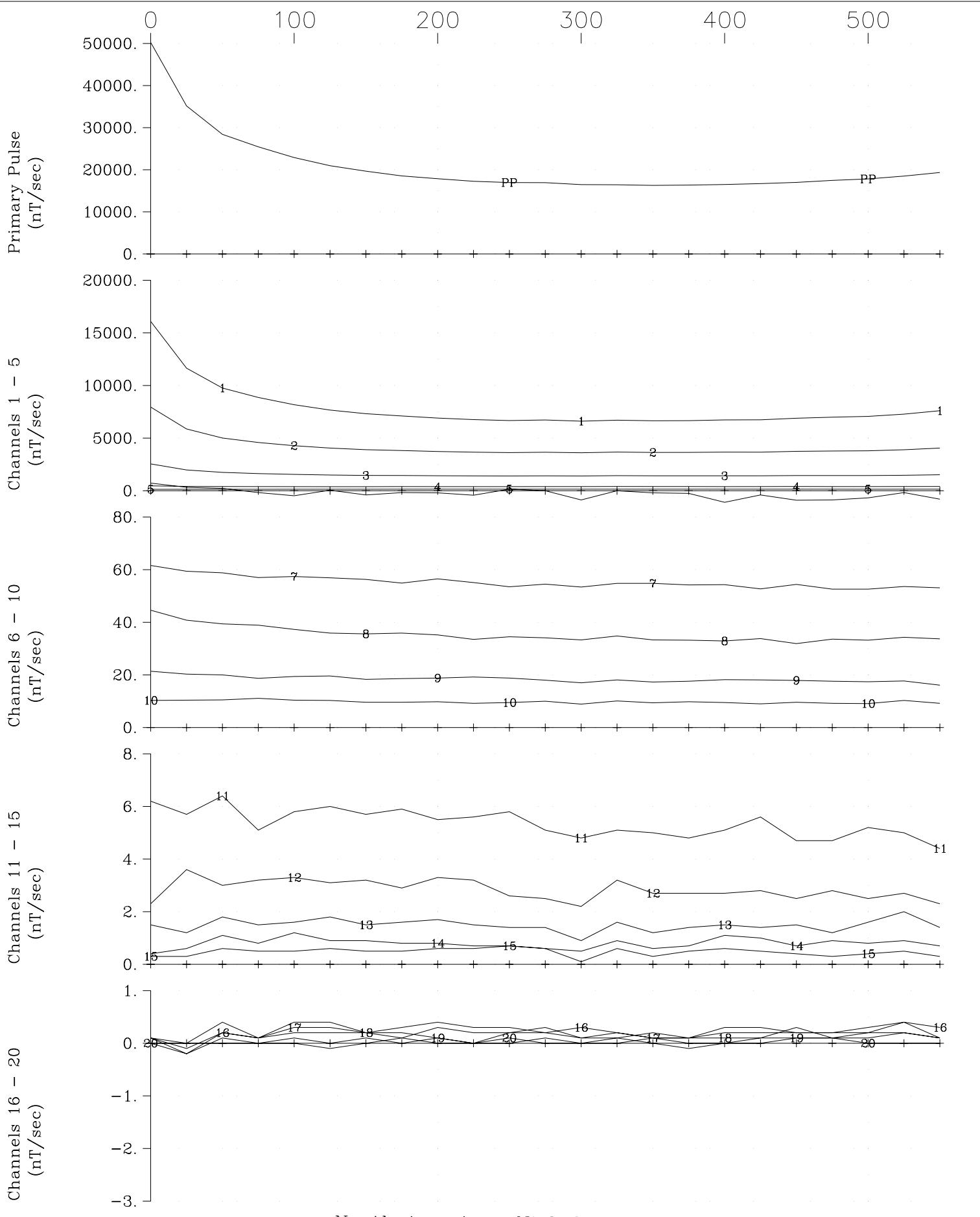
North American Nickel P-141
Loop P-141, Line 300E X Component
Crone Geophysics & Exploration Ltd.



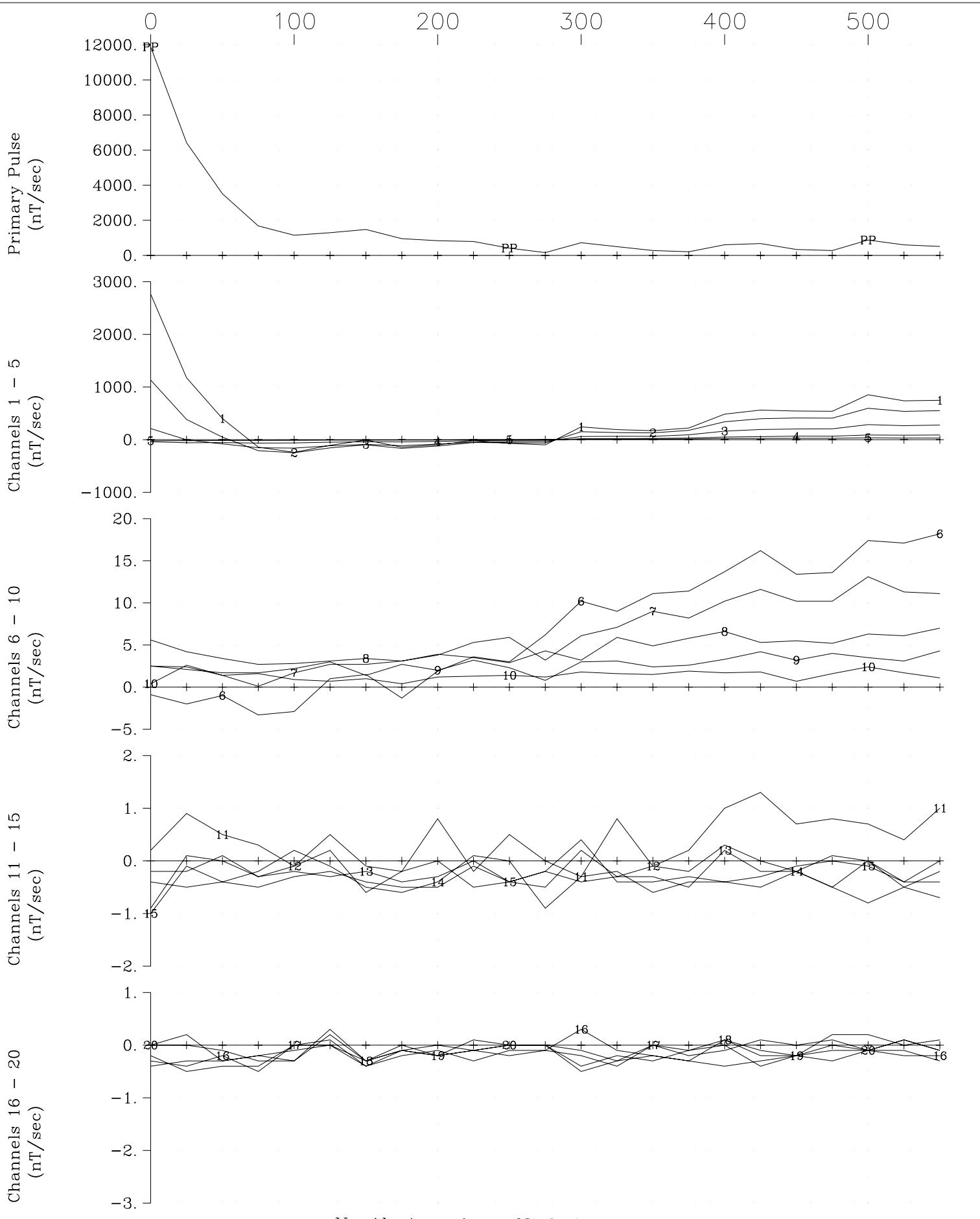
North American Nickel P-141
Loop P-141, Line 400E Z Component
Crone Geophysics & Exploration Ltd.



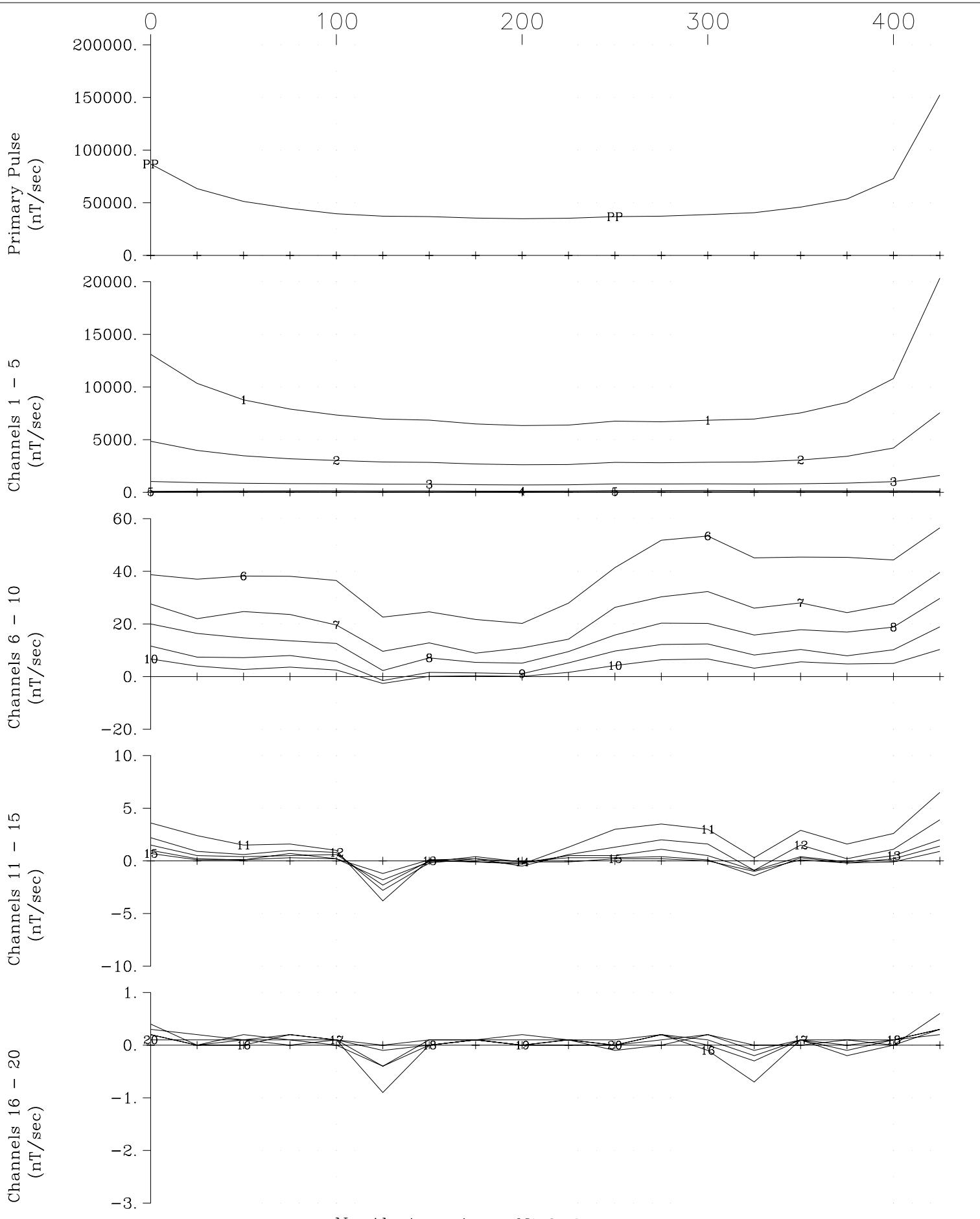
North American Nickel P-141
Loop P-141, Line 400E X Component
Crone Geophysics & Exploration Ltd.



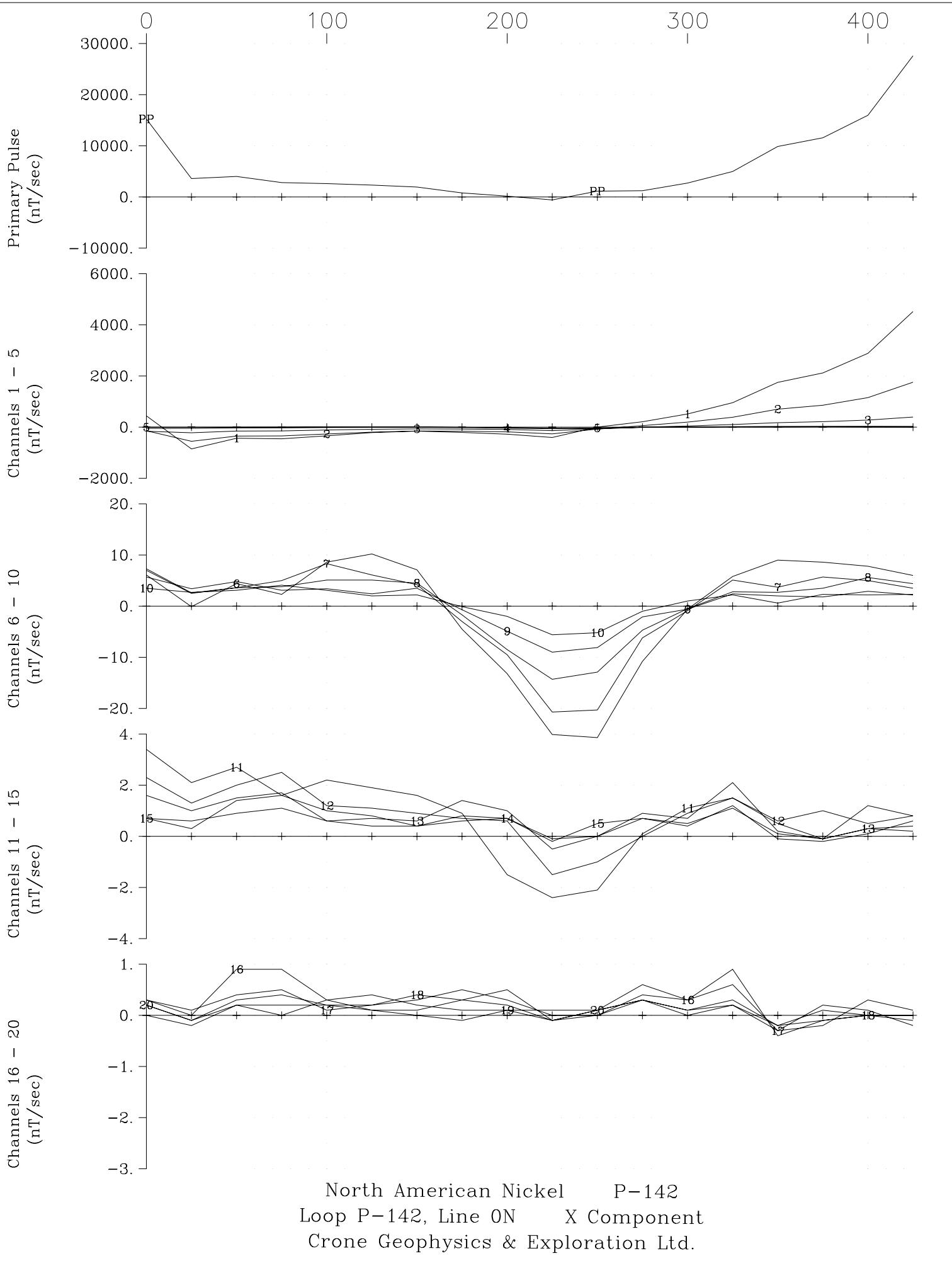
North American Nickel P-141
Loop P-141, Line 500E Z Component
Crone Geophysics & Exploration Ltd.

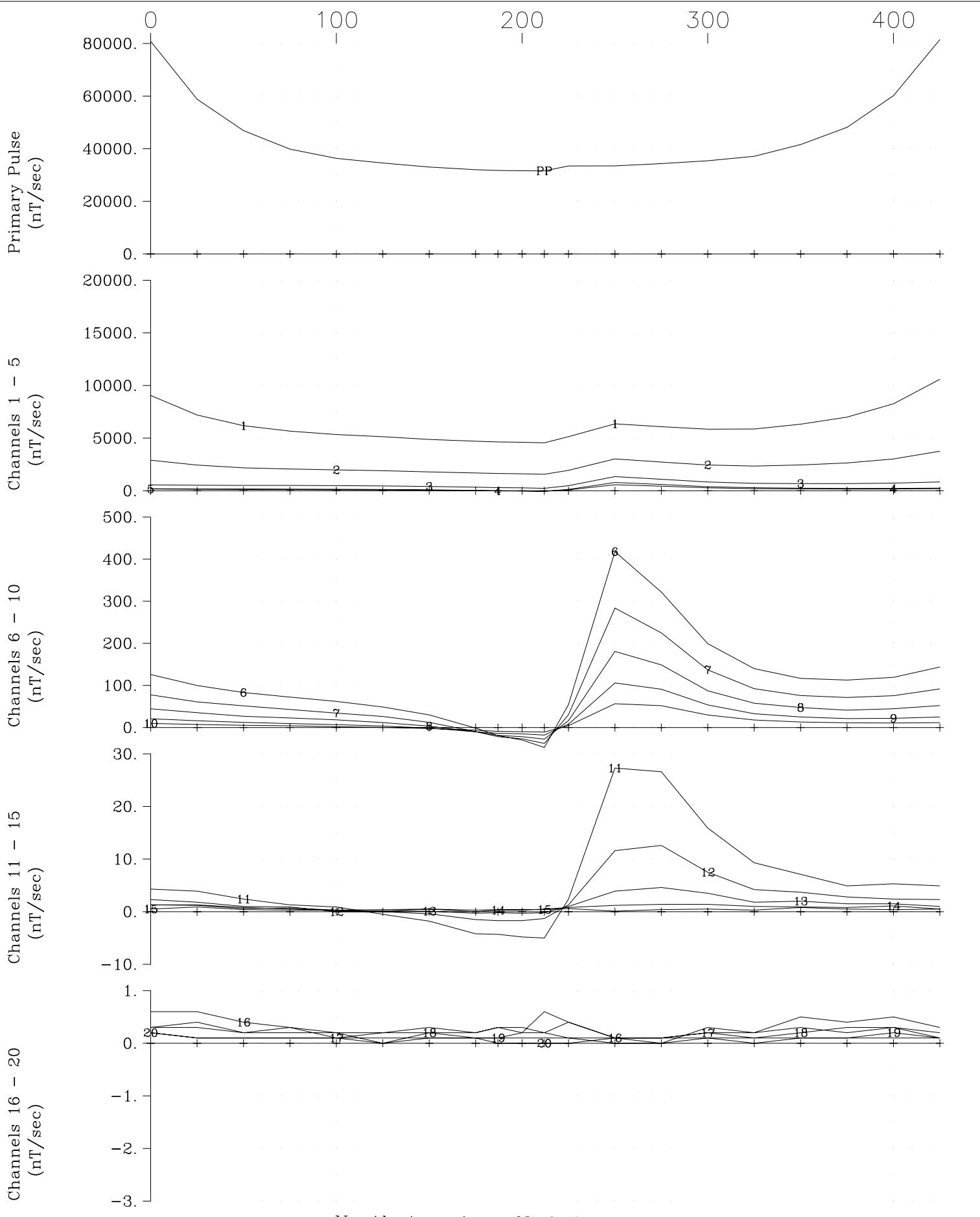


North American Nickel P-141
Loop P-141, Line 500E X Component
Crone Geophysics & Exploration Ltd.

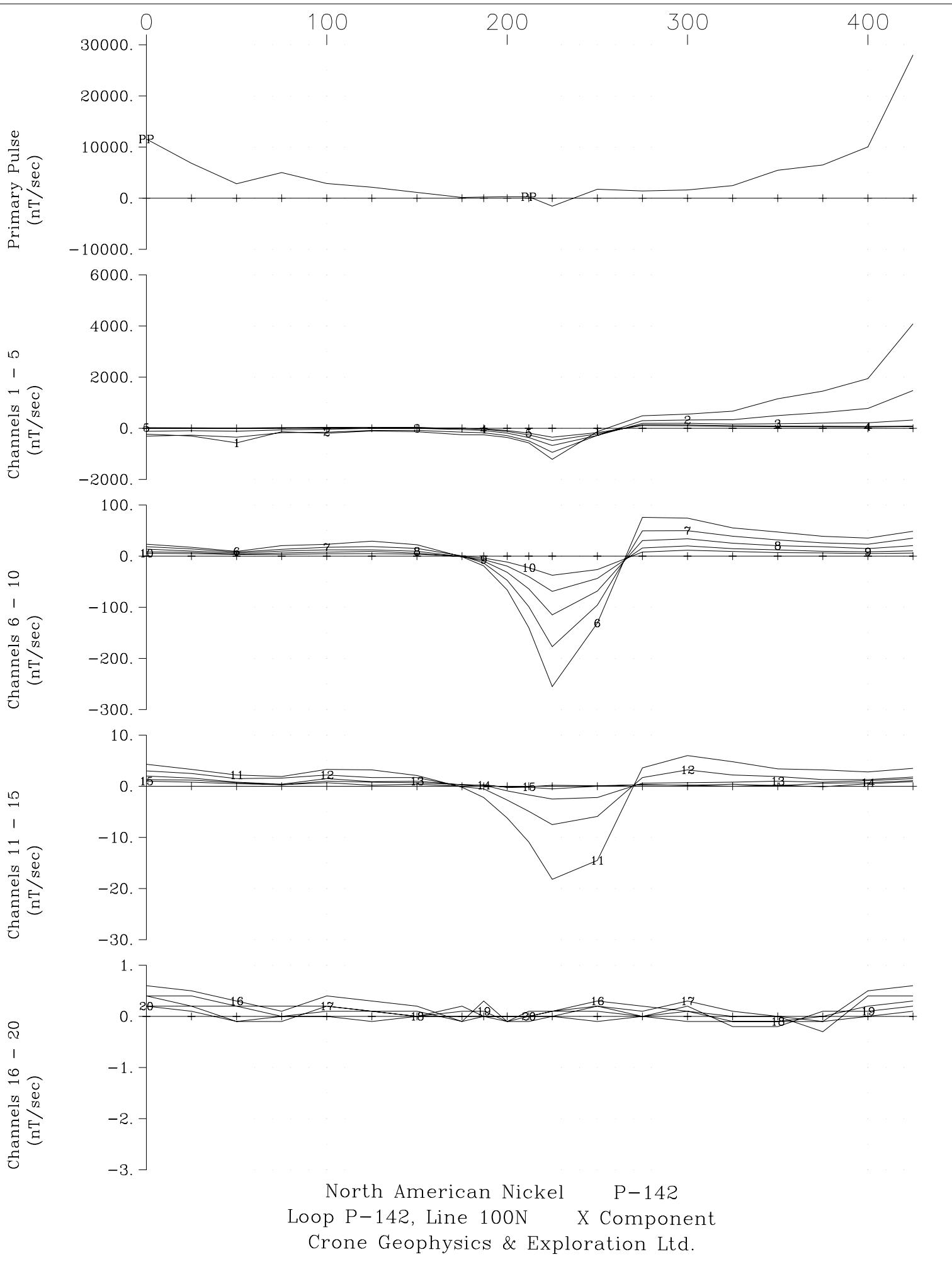


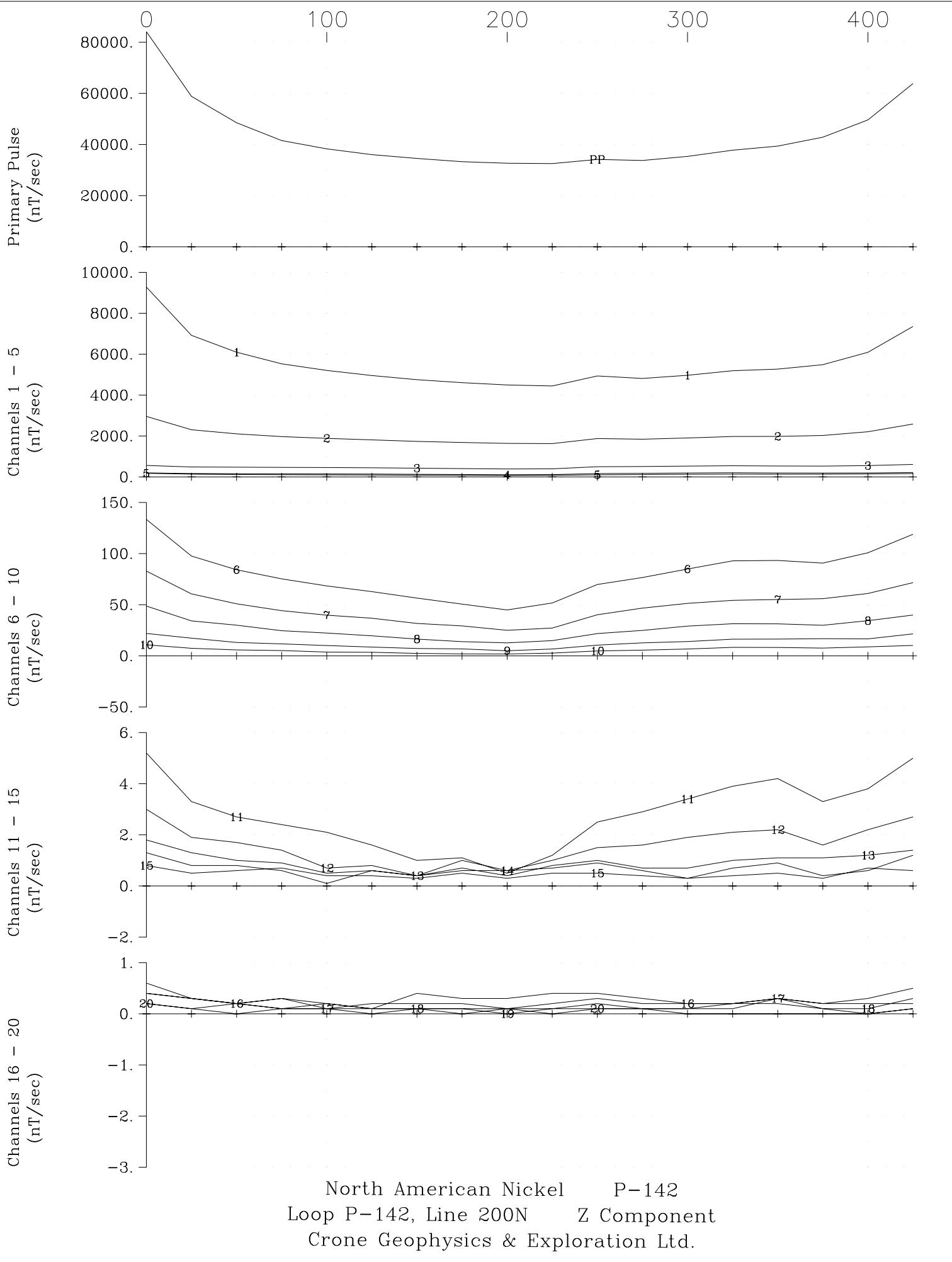
North American Nickel P-142
Loop P-142, Line 0N Z Component
Crone Geophysics & Exploration Ltd.

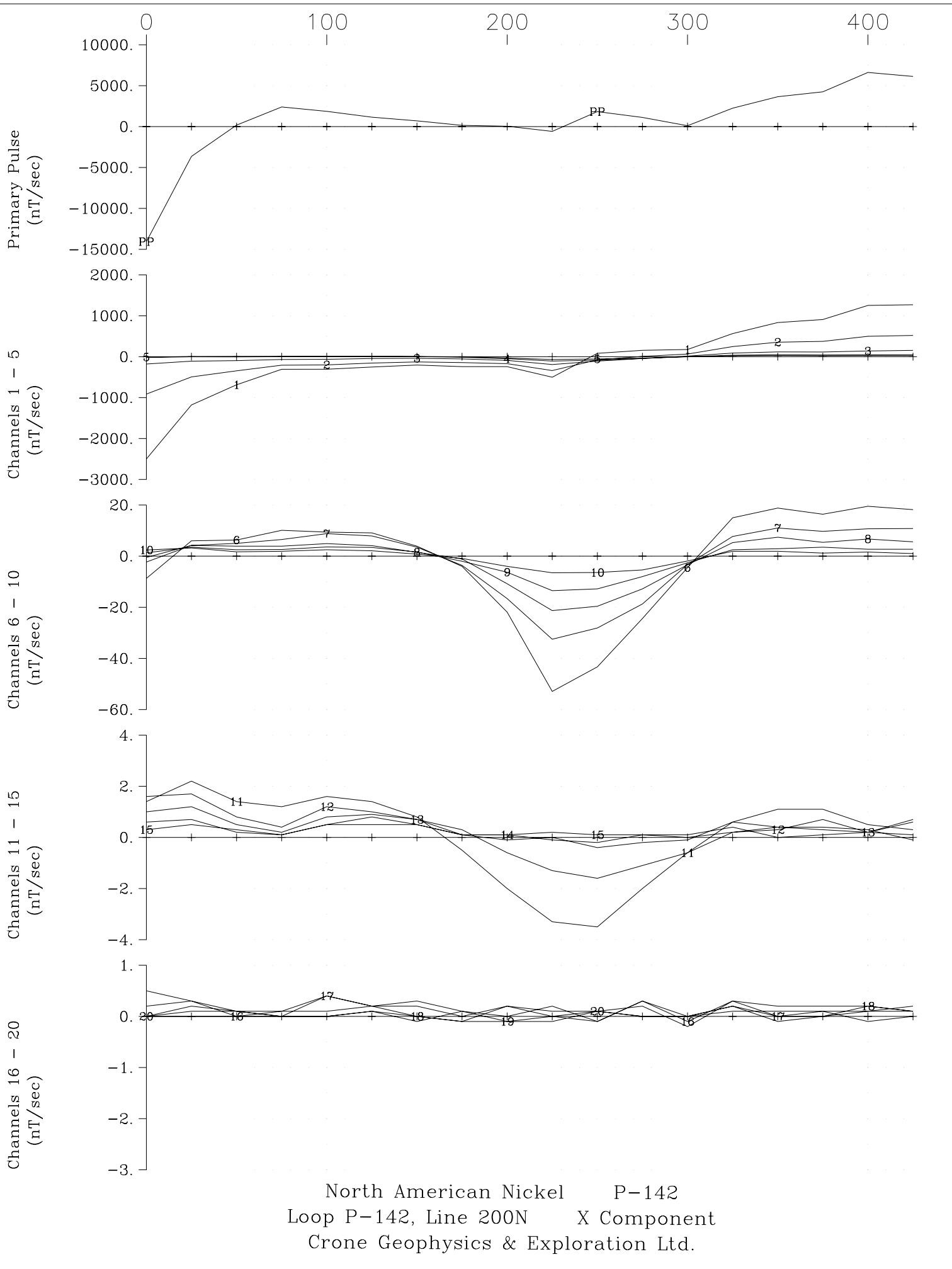


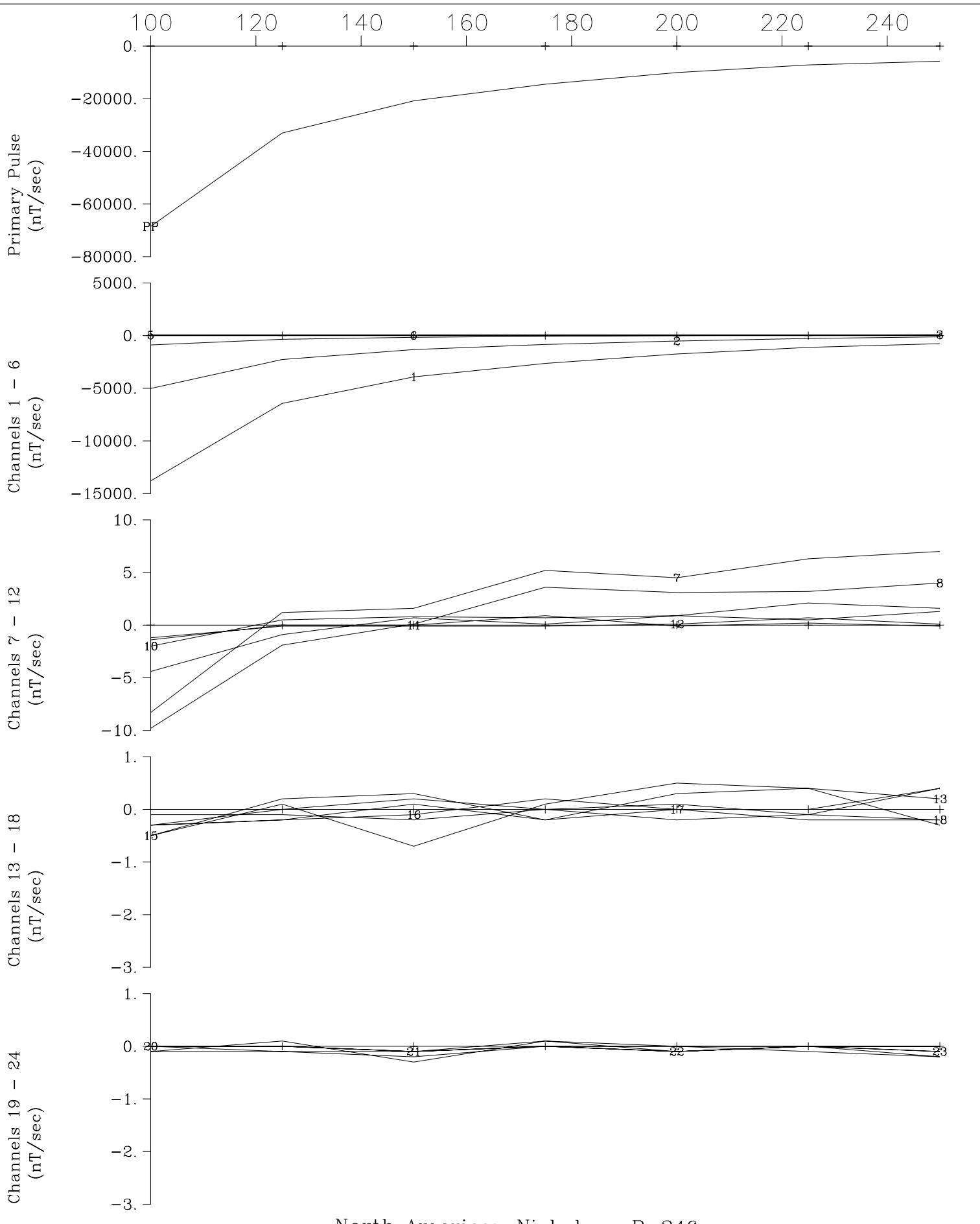


North American Nickel P-142
Loop P-142, Line 100N Z Component
Crone Geophysics & Exploration Ltd.

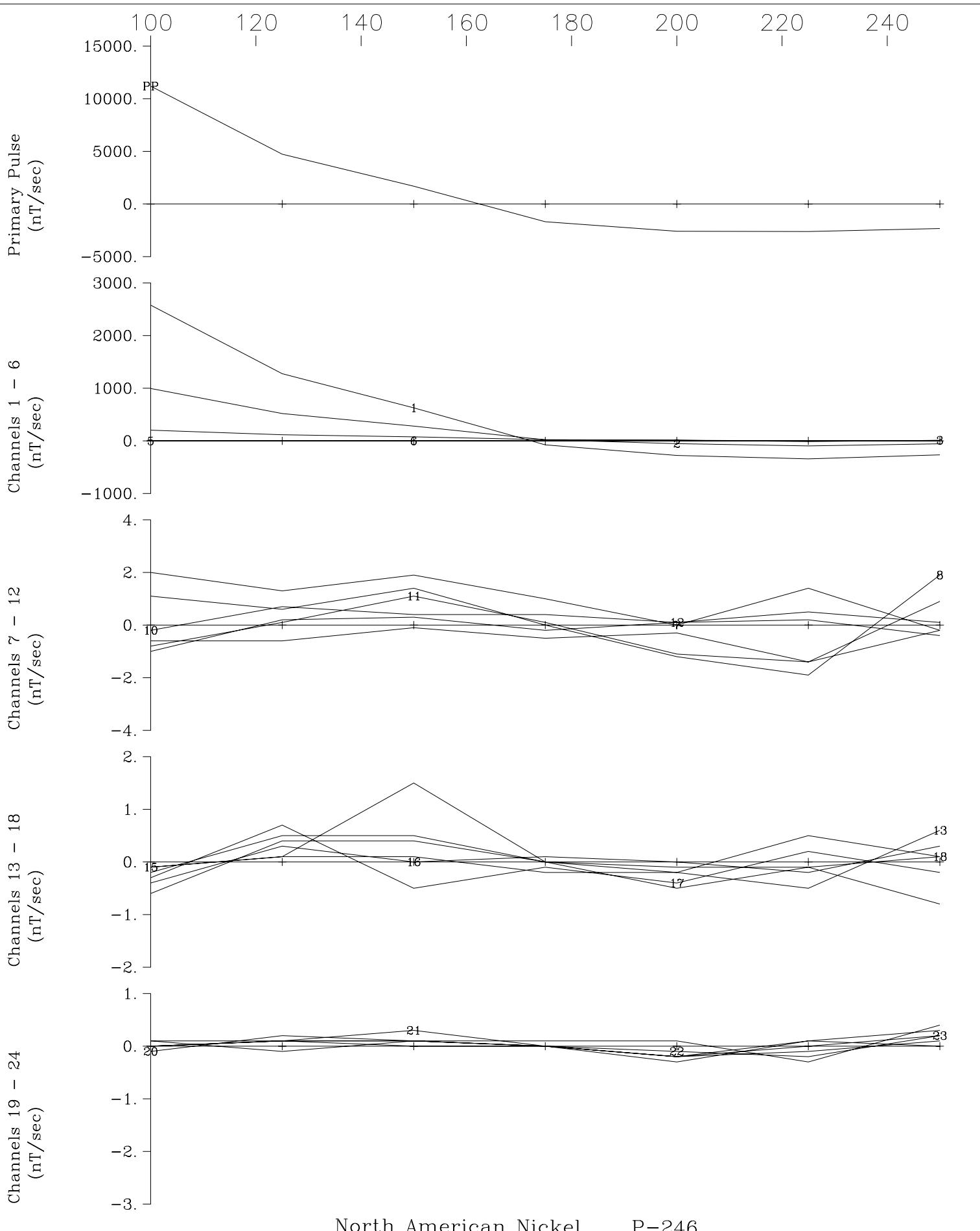




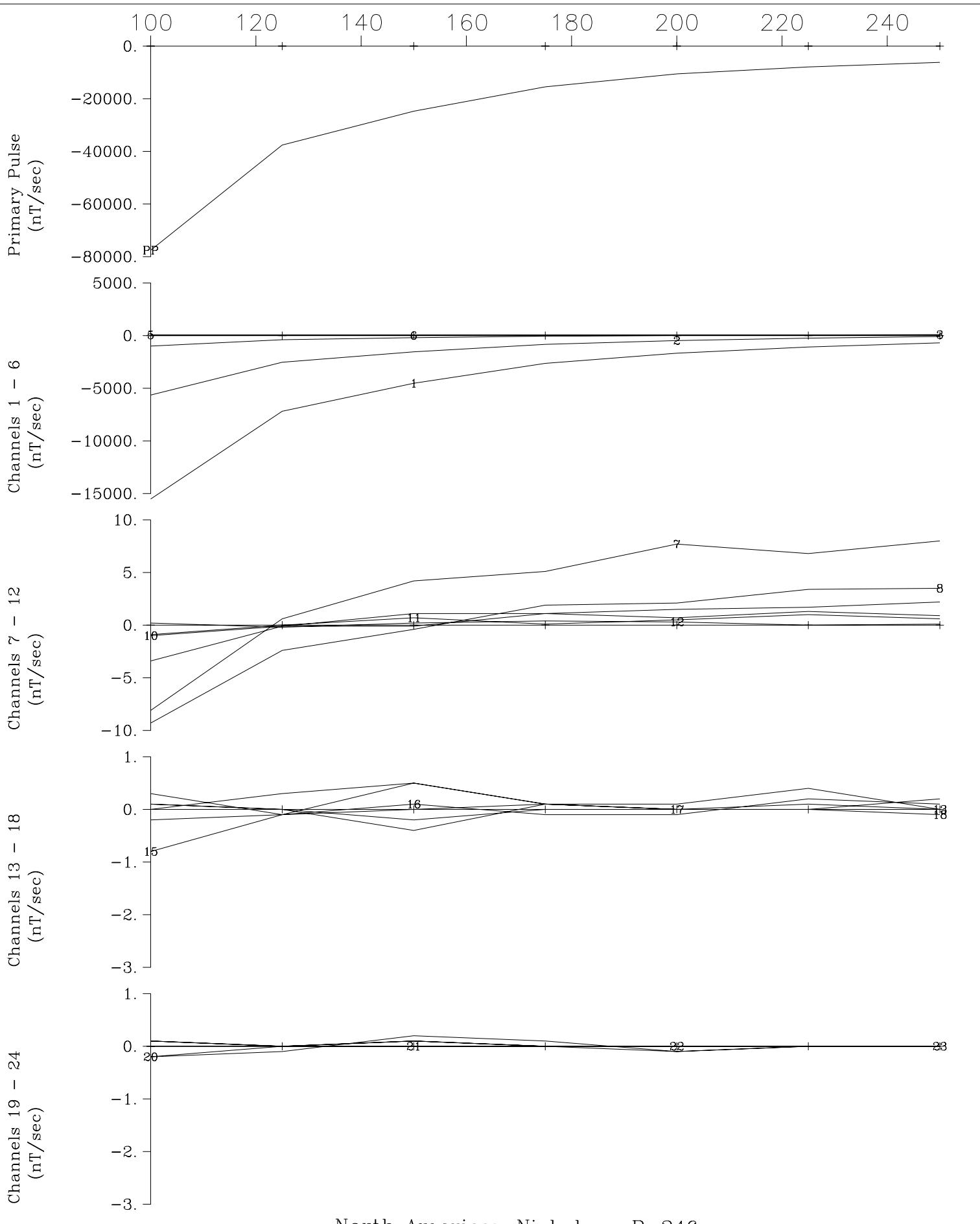




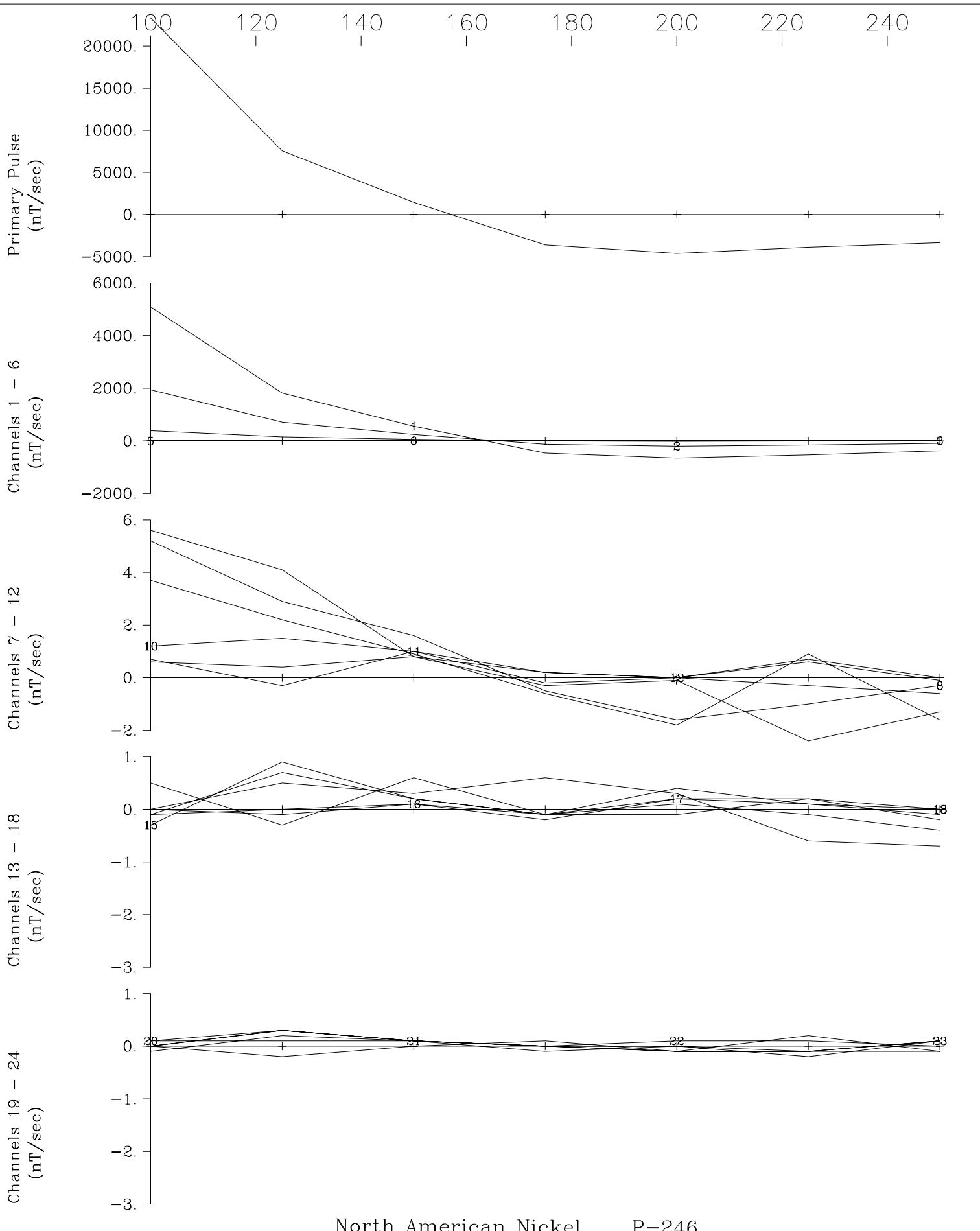
North American Nickel P-246
Loop P-246, Line 100E Z Component
Crone Geophysics & Exploration Ltd.



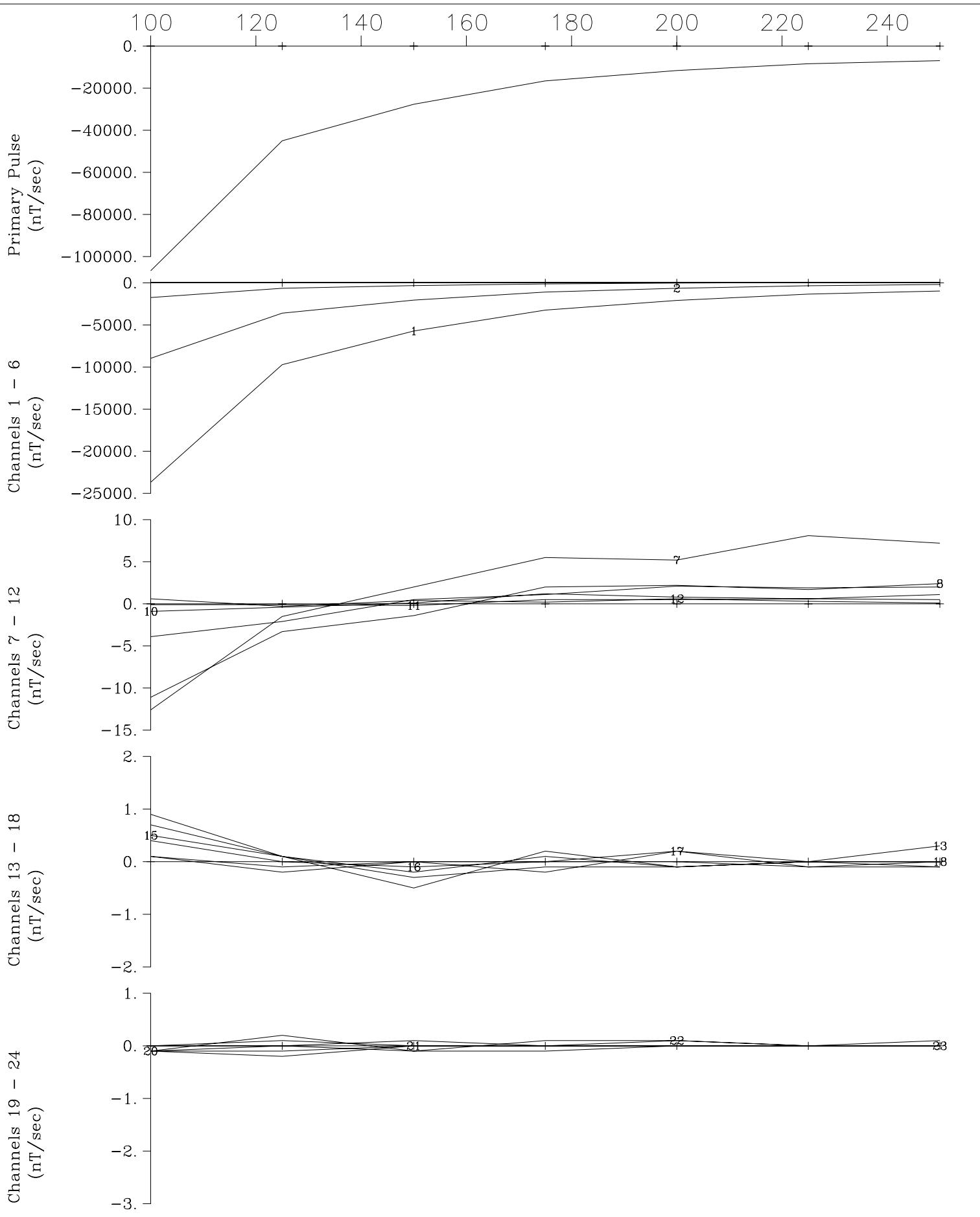
North American Nickel P-246
Loop P-246, Line 100E X Component
Crone Geophysics & Exploration Ltd.



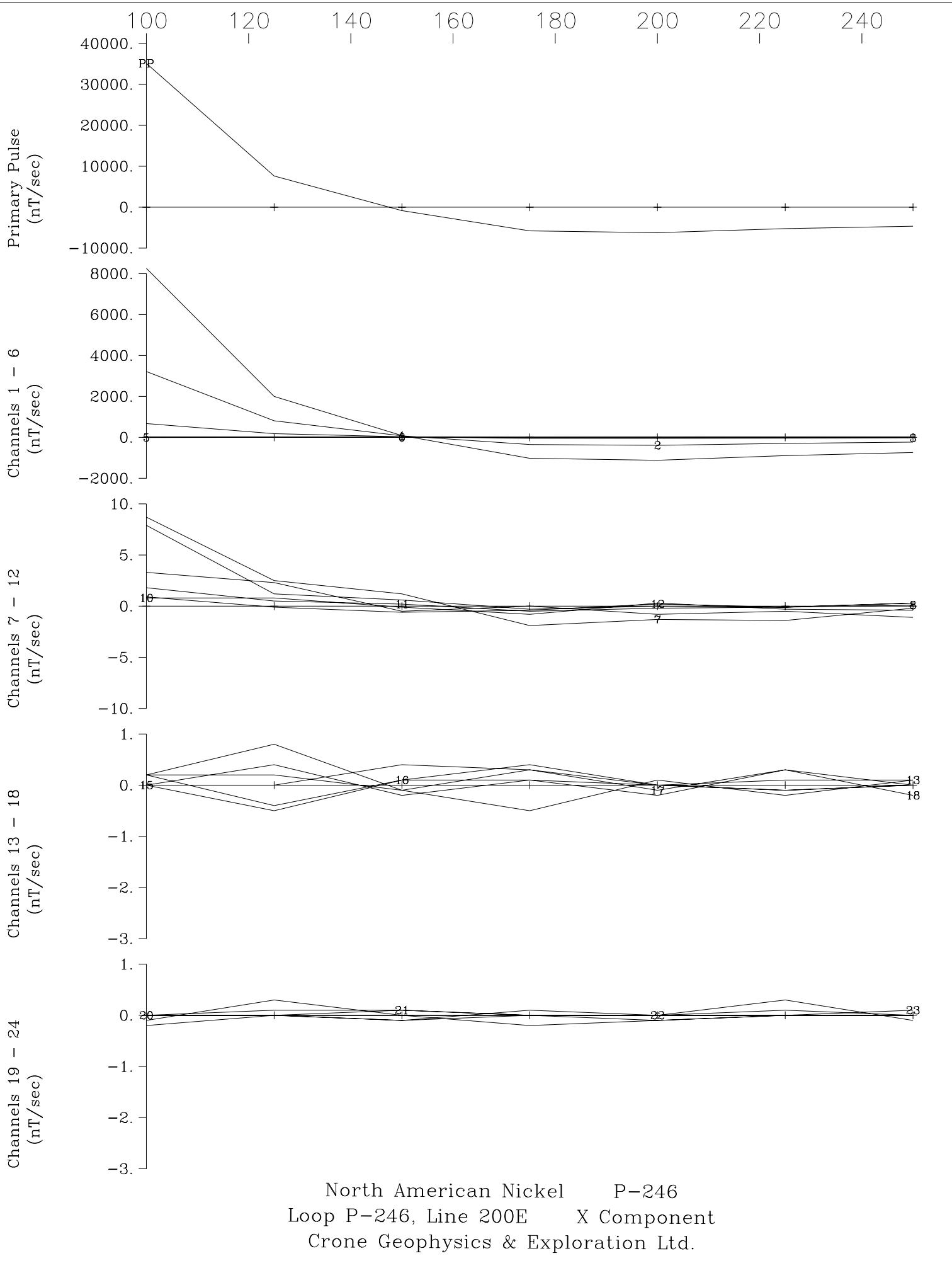
North American Nickel P-246
Loop P-246, Line 150E Z Component
Crone Geophysics & Exploration Ltd.

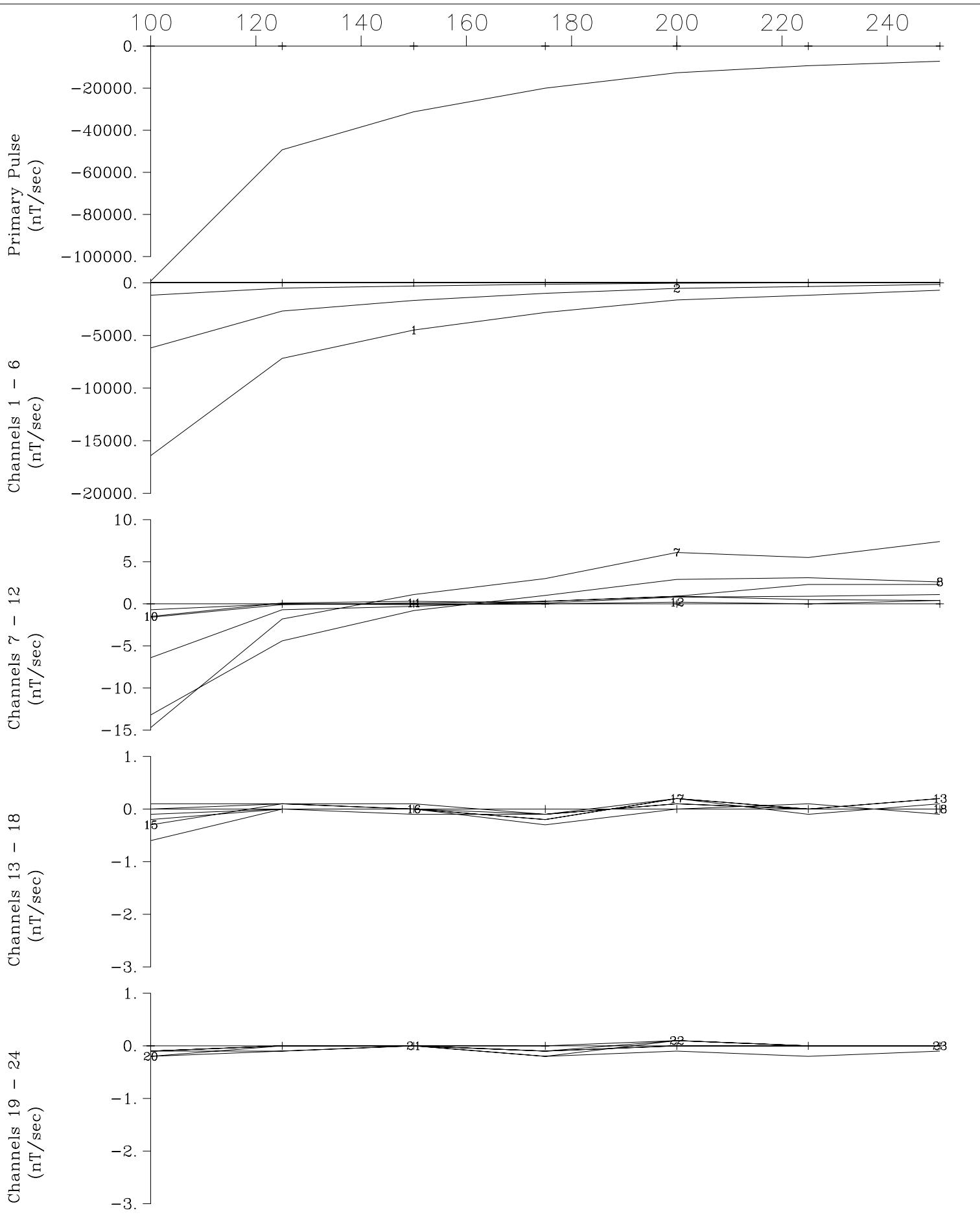


North American Nickel P-246
Loop P-246, Line 150E X Component
Crone Geophysics & Exploration Ltd.

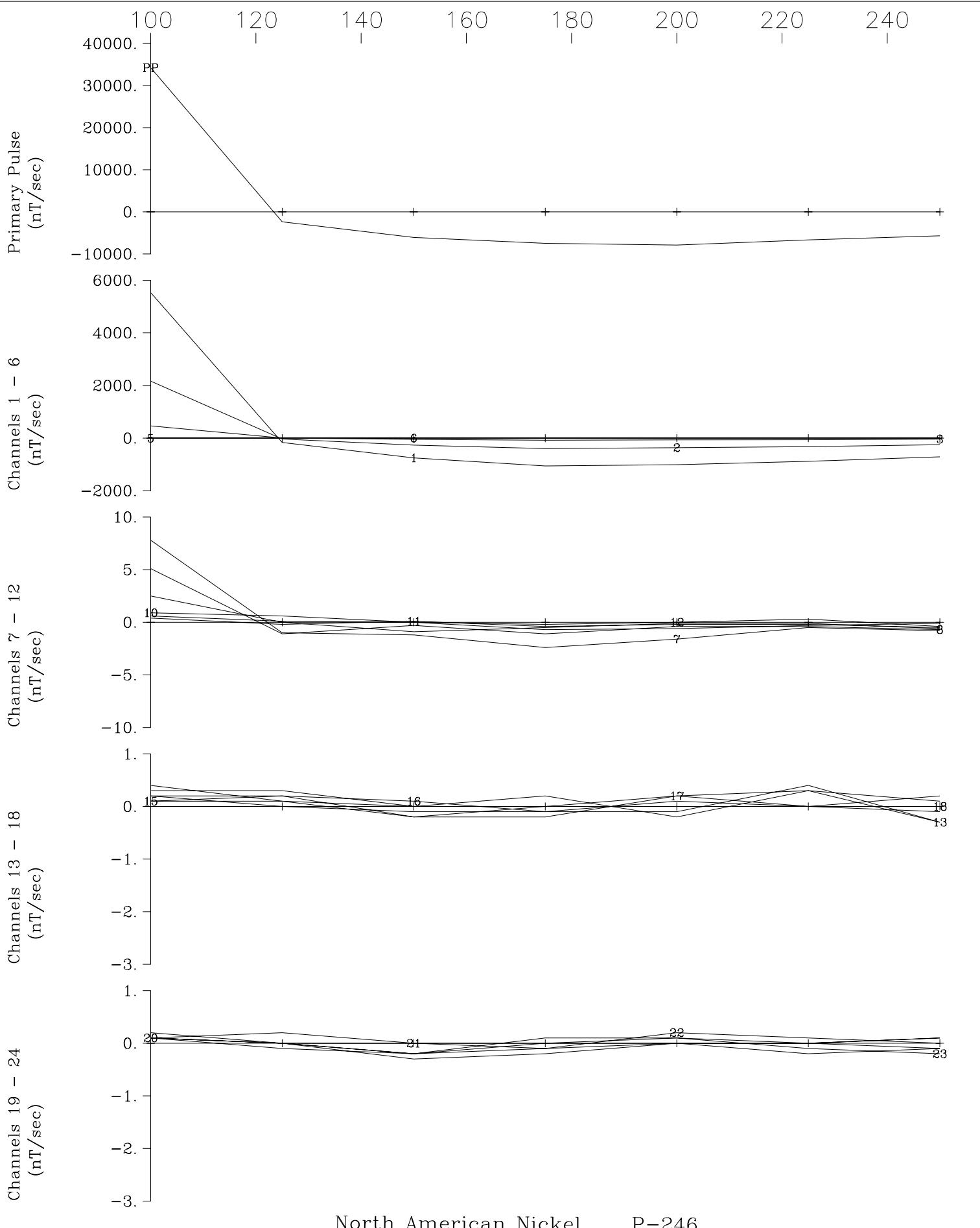


North American Nickel P-246
Loop P-246, Line 200E Z Component
Crone Geophysics & Exploration Ltd.

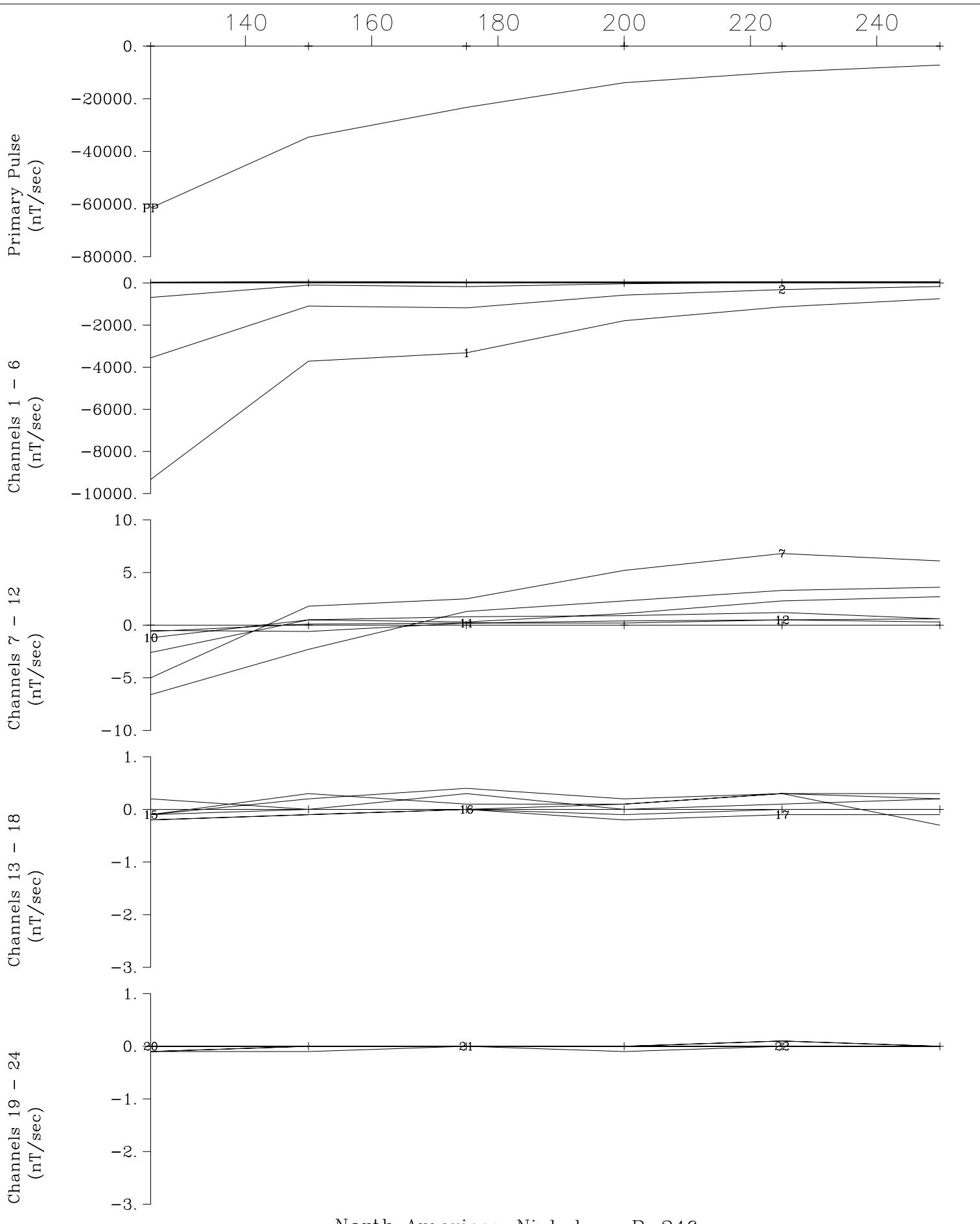




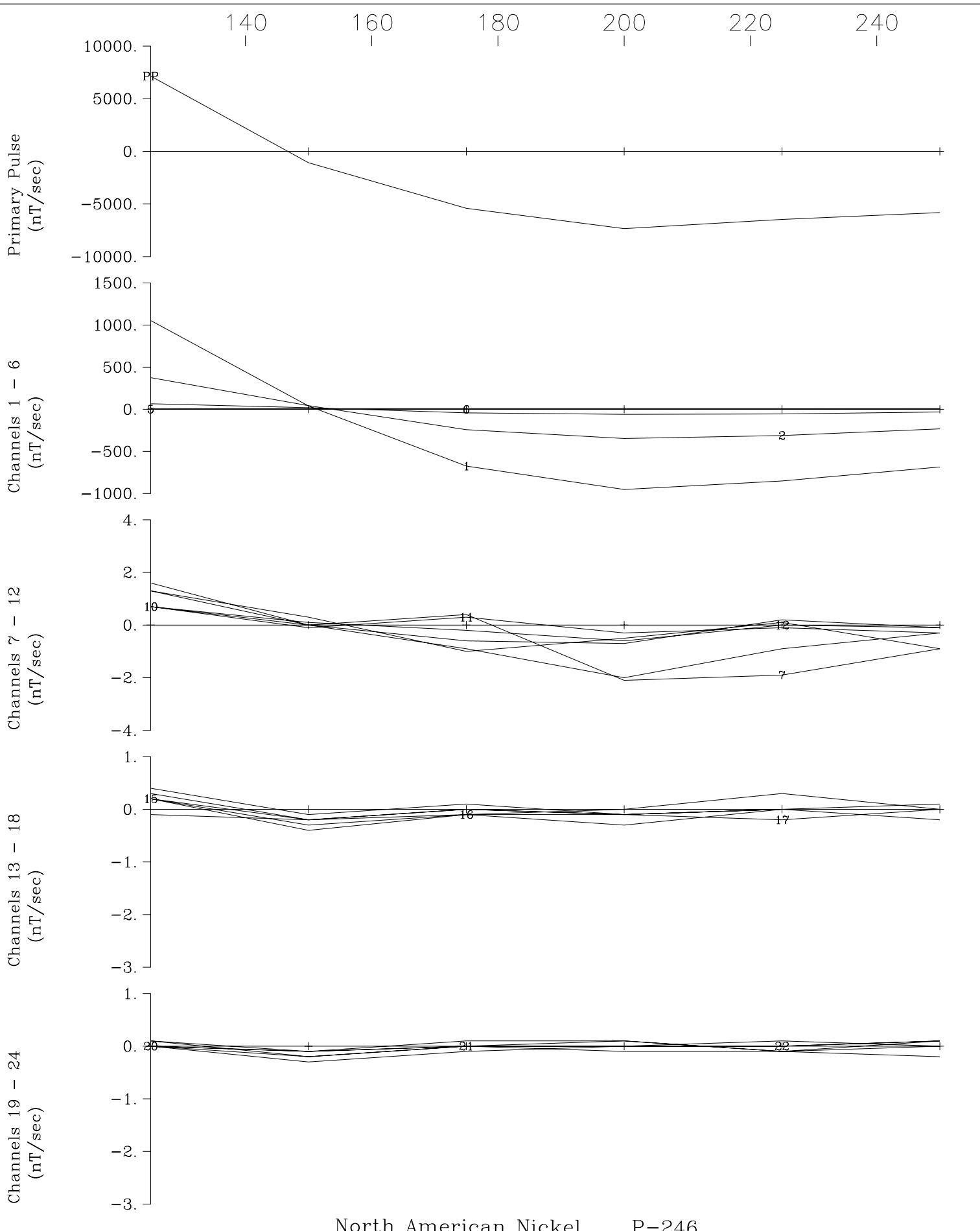
North American Nickel P-246
Loop P-246, Line 250E Z Component
Crone Geophysics & Exploration Ltd.



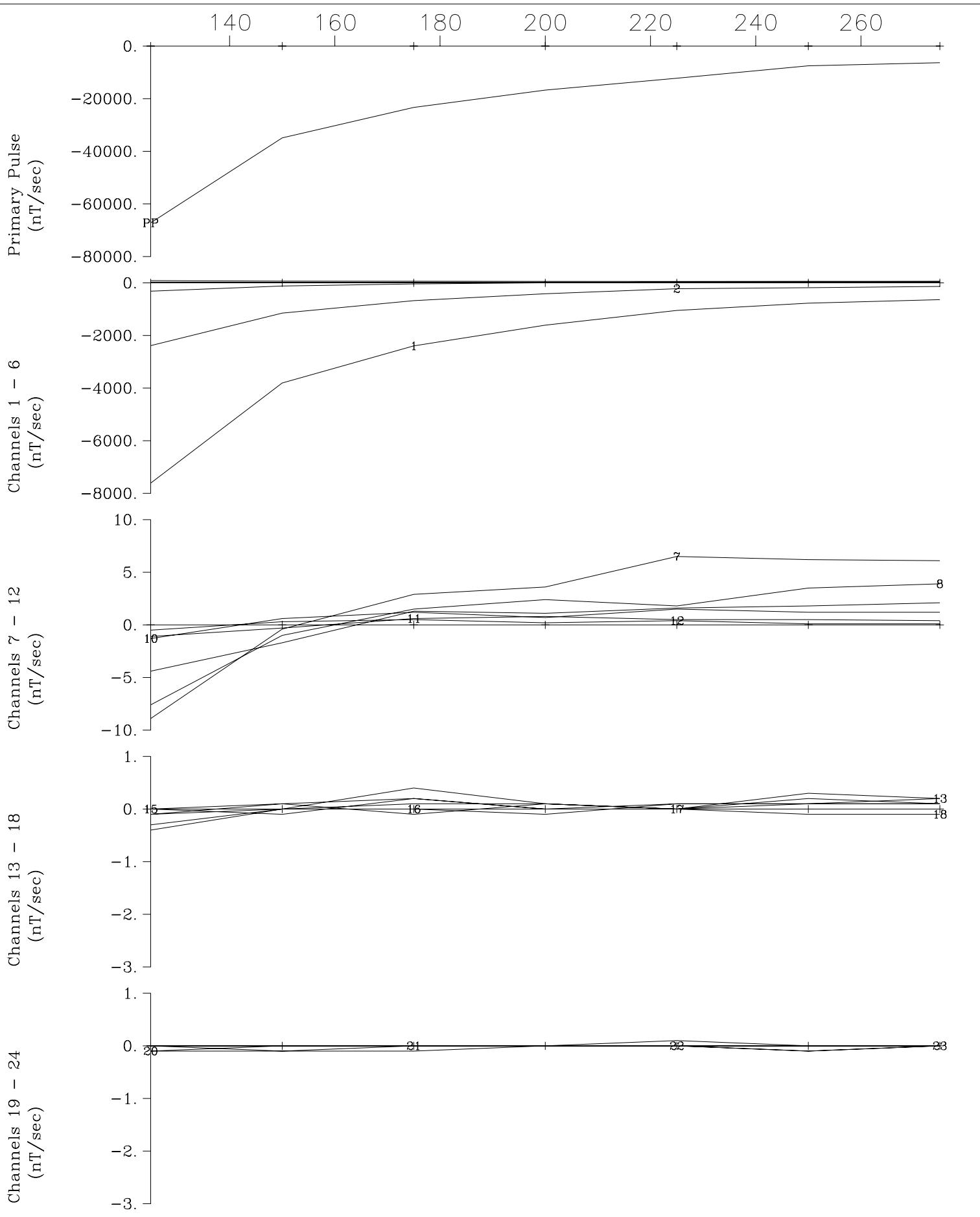
North American Nickel P-246
Loop P-246, Line 250E X Component
Crone Geophysics & Exploration Ltd.



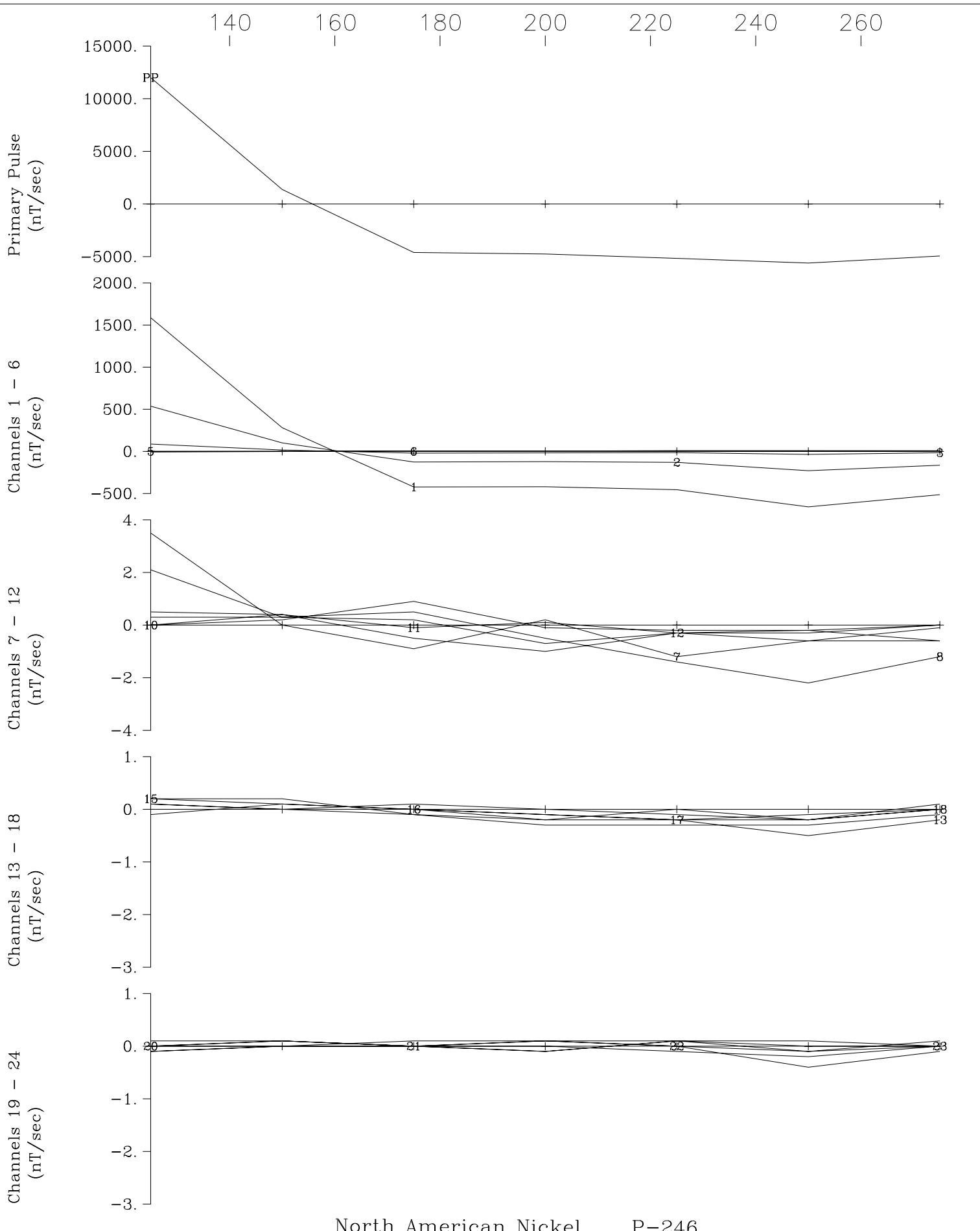
North American Nickel P-246
Loop P-246, Line 300E Z Component
Crone Geophysics & Exploration Ltd.



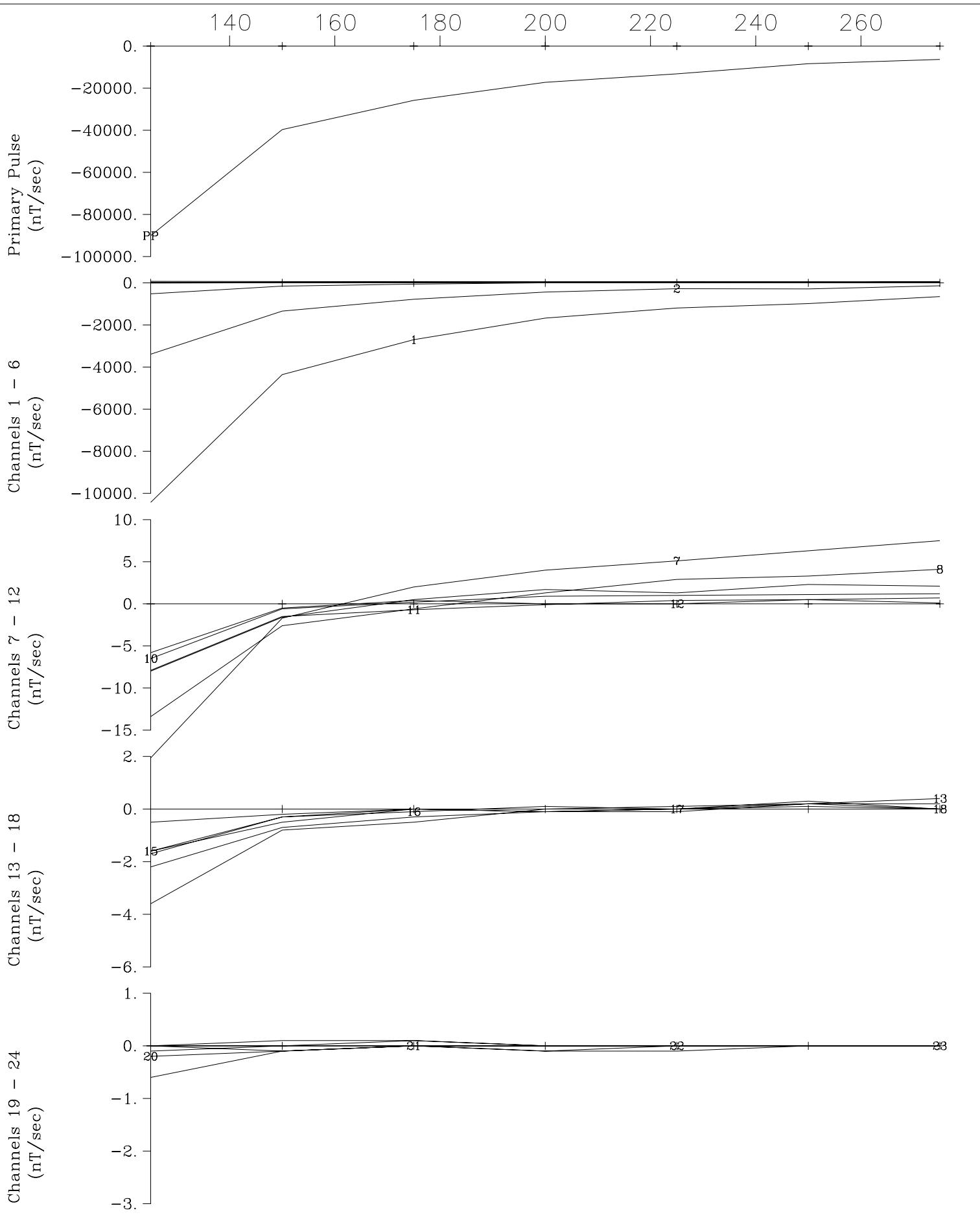
North American Nickel P-246
Loop P-246, Line 300E X Component
Crone Geophysics & Exploration Ltd.



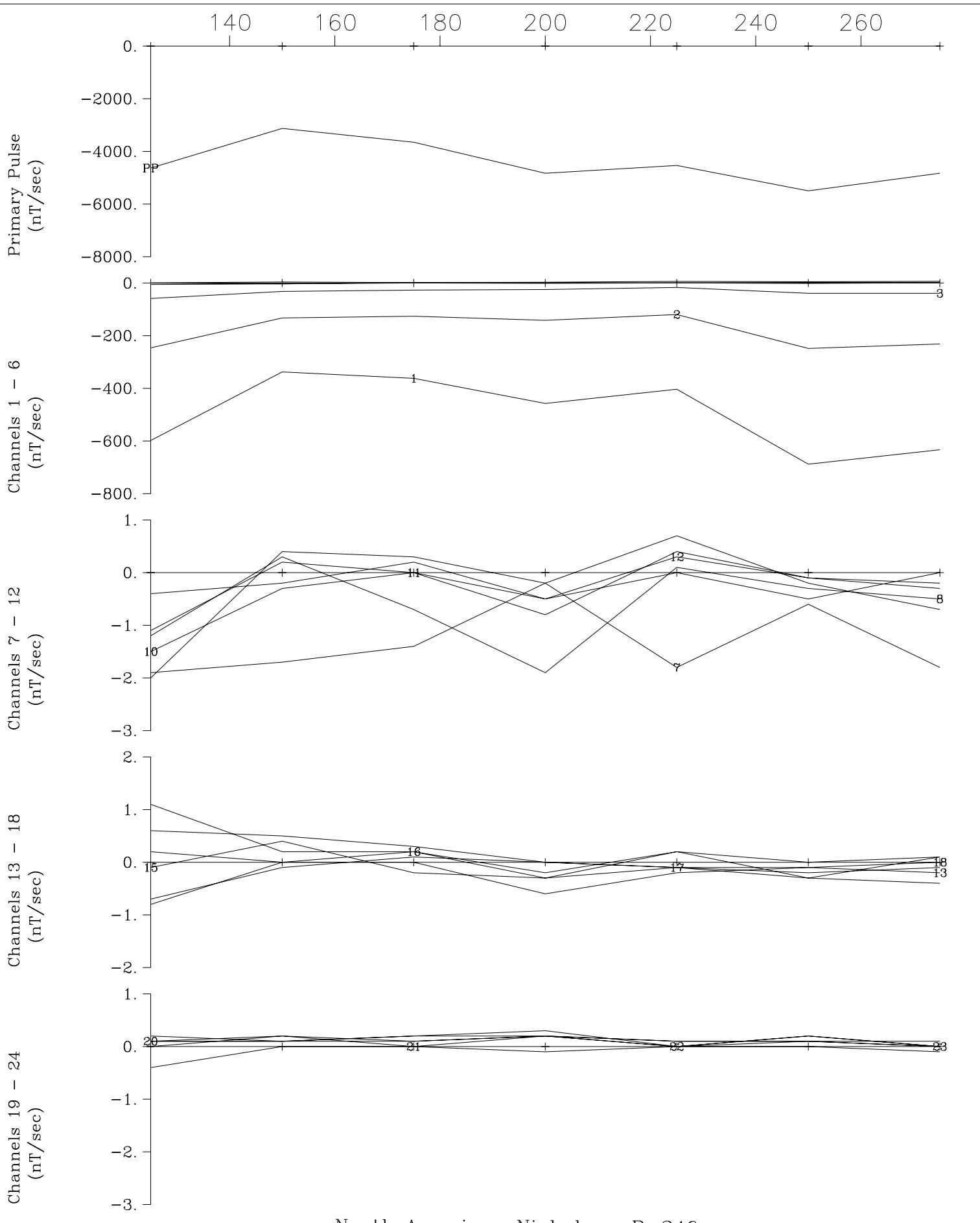
North American Nickel P-246
Loop P-246, Line 350E Z Component
Crone Geophysics & Exploration Ltd.



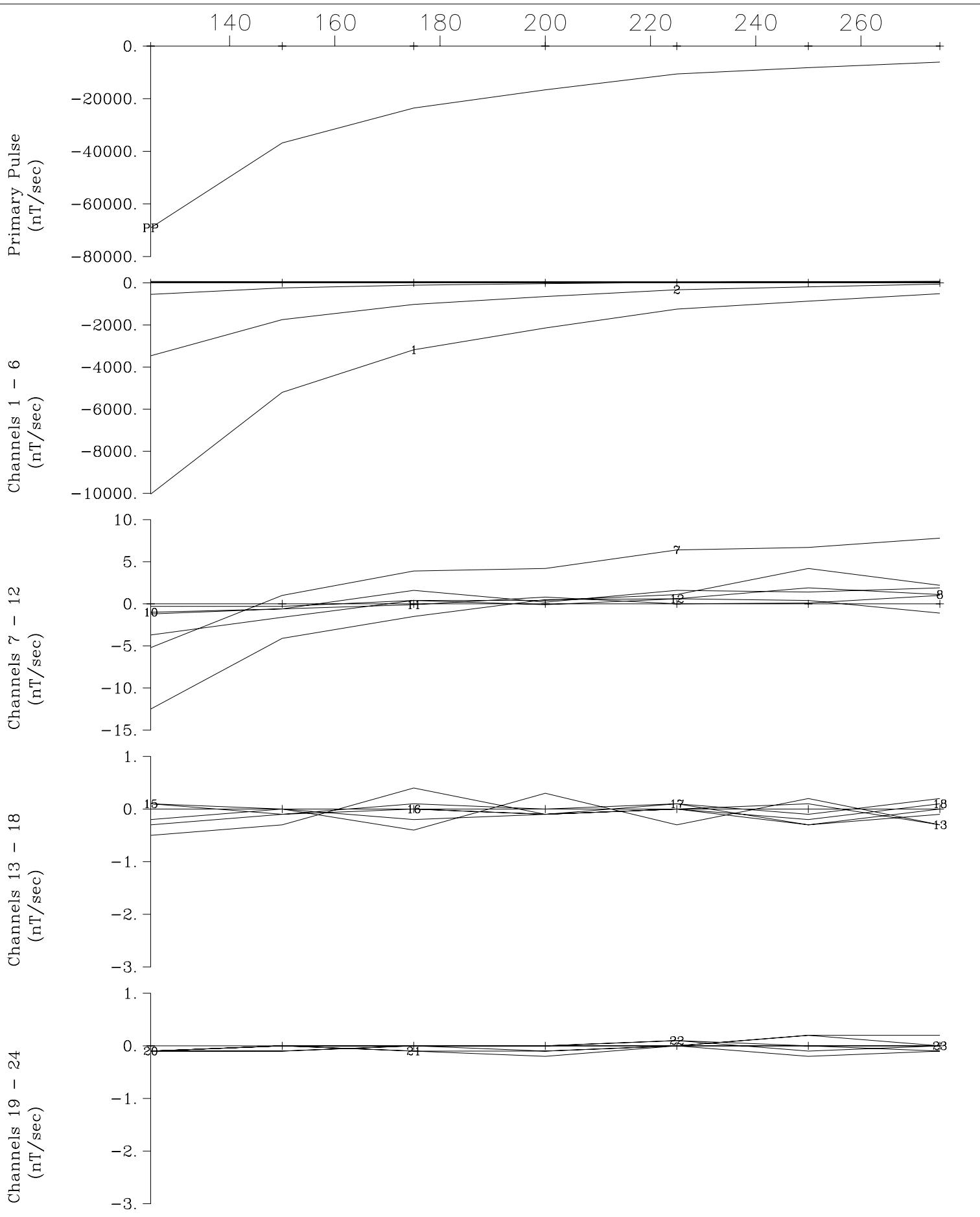
North American Nickel P-246
Loop P-246, Line 350E X Component
Crone Geophysics & Exploration Ltd.



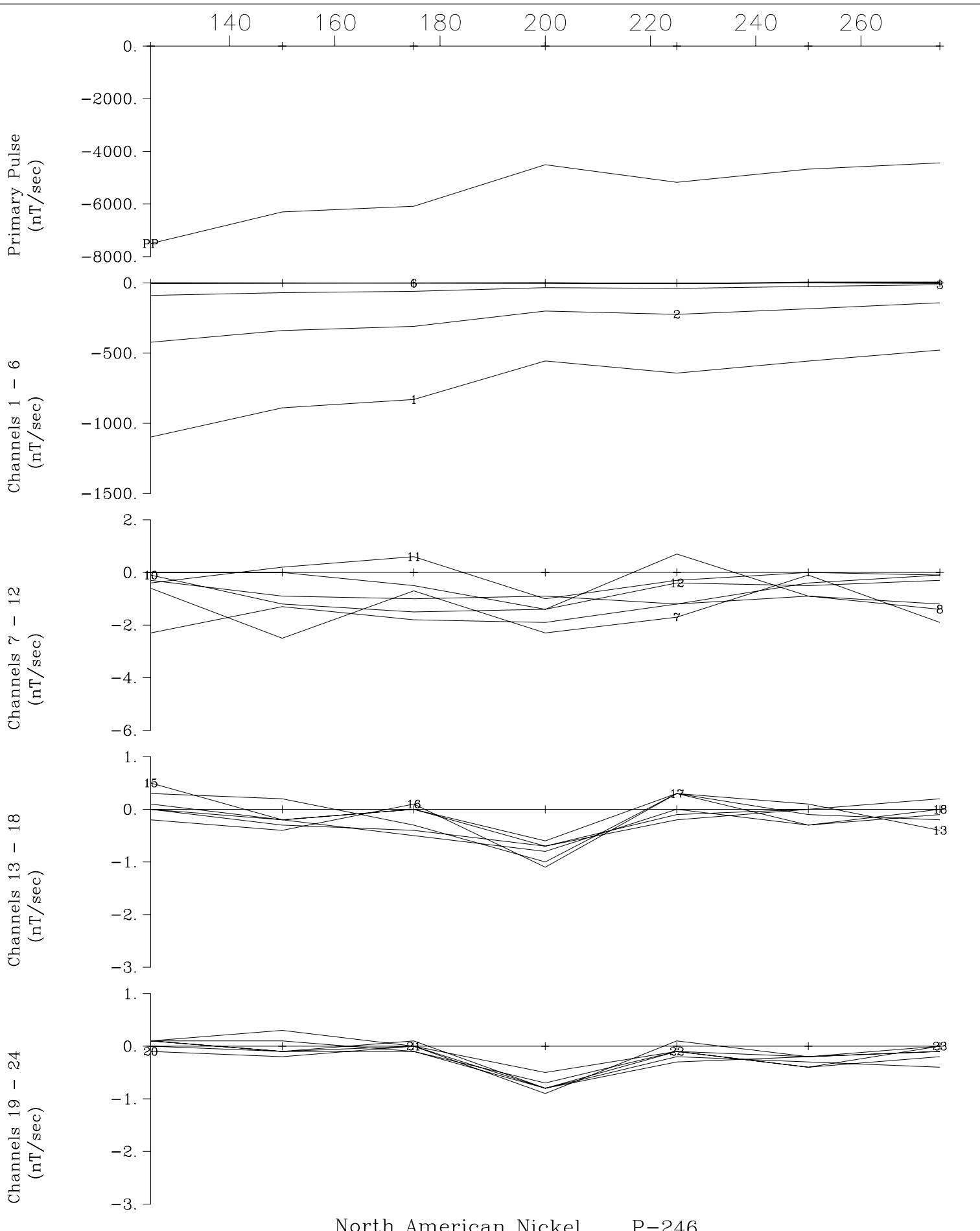
North American Nickel P-246
Loop P-246, Line 400E Z Component
Crone Geophysics & Exploration Ltd.



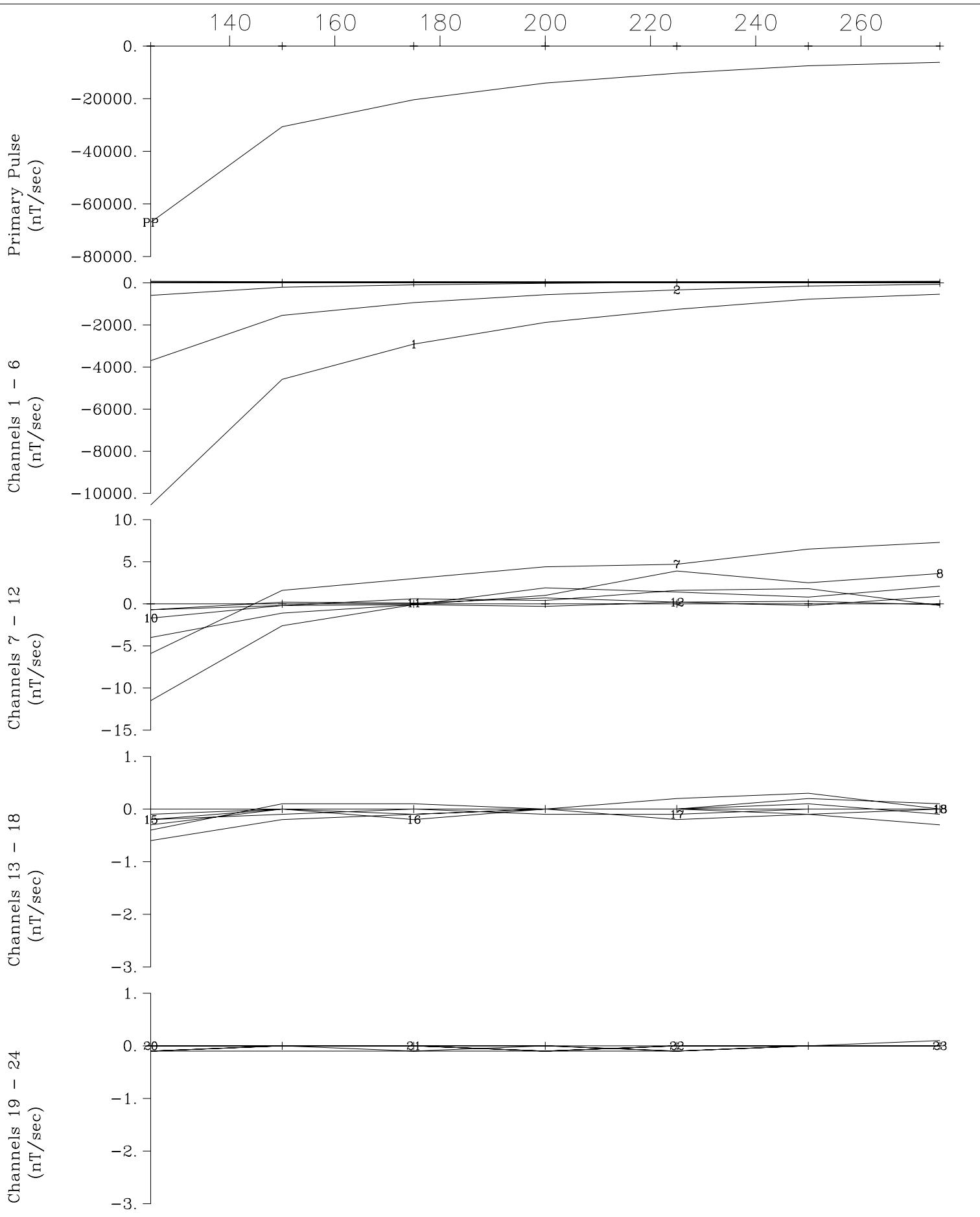
North American Nickel P-246
Loop P-246, Line 400E X Component
Crone Geophysics & Exploration Ltd.



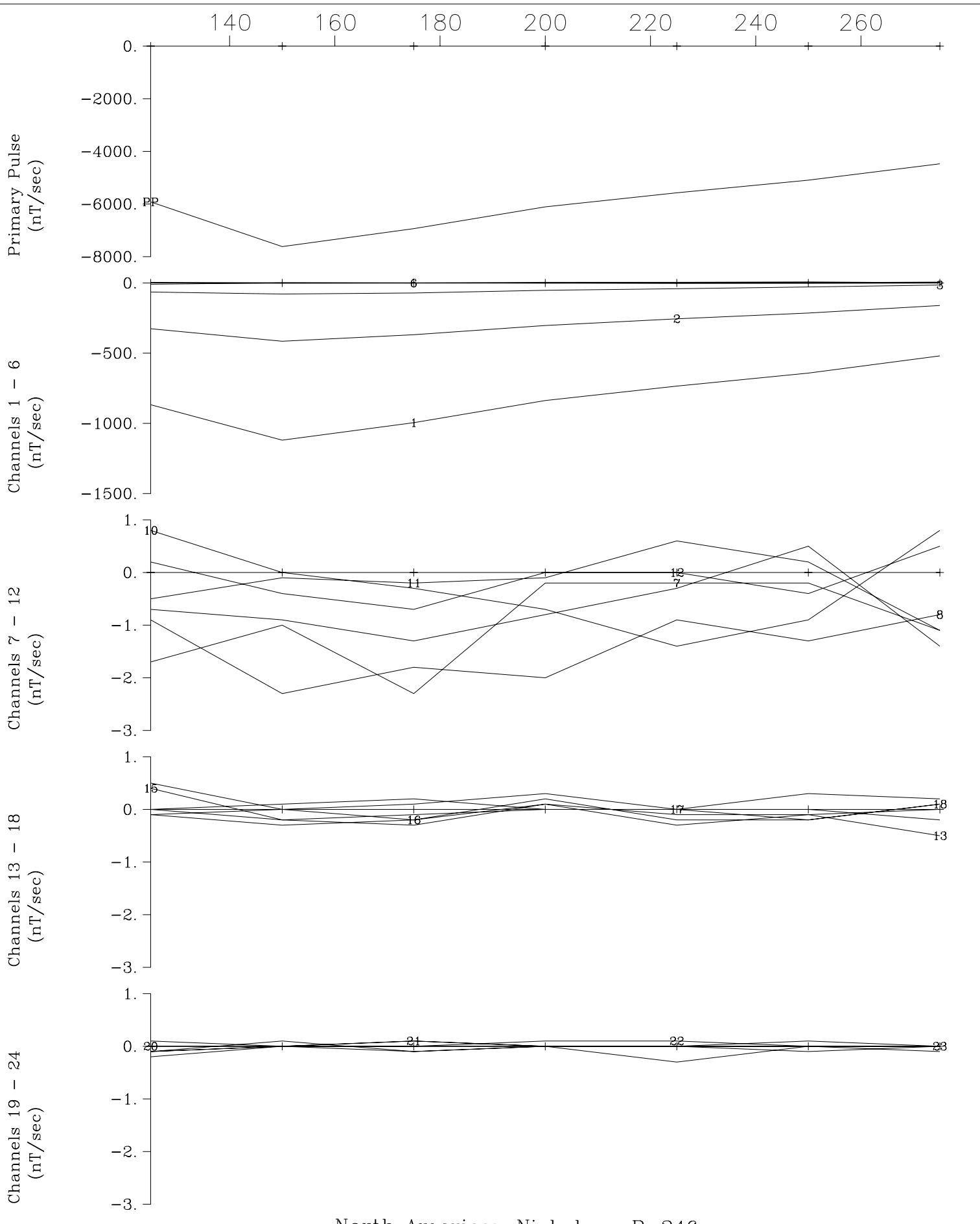
North American Nickel P-246
Loop P-246, Line 450E Z Component
Crone Geophysics & Exploration Ltd.



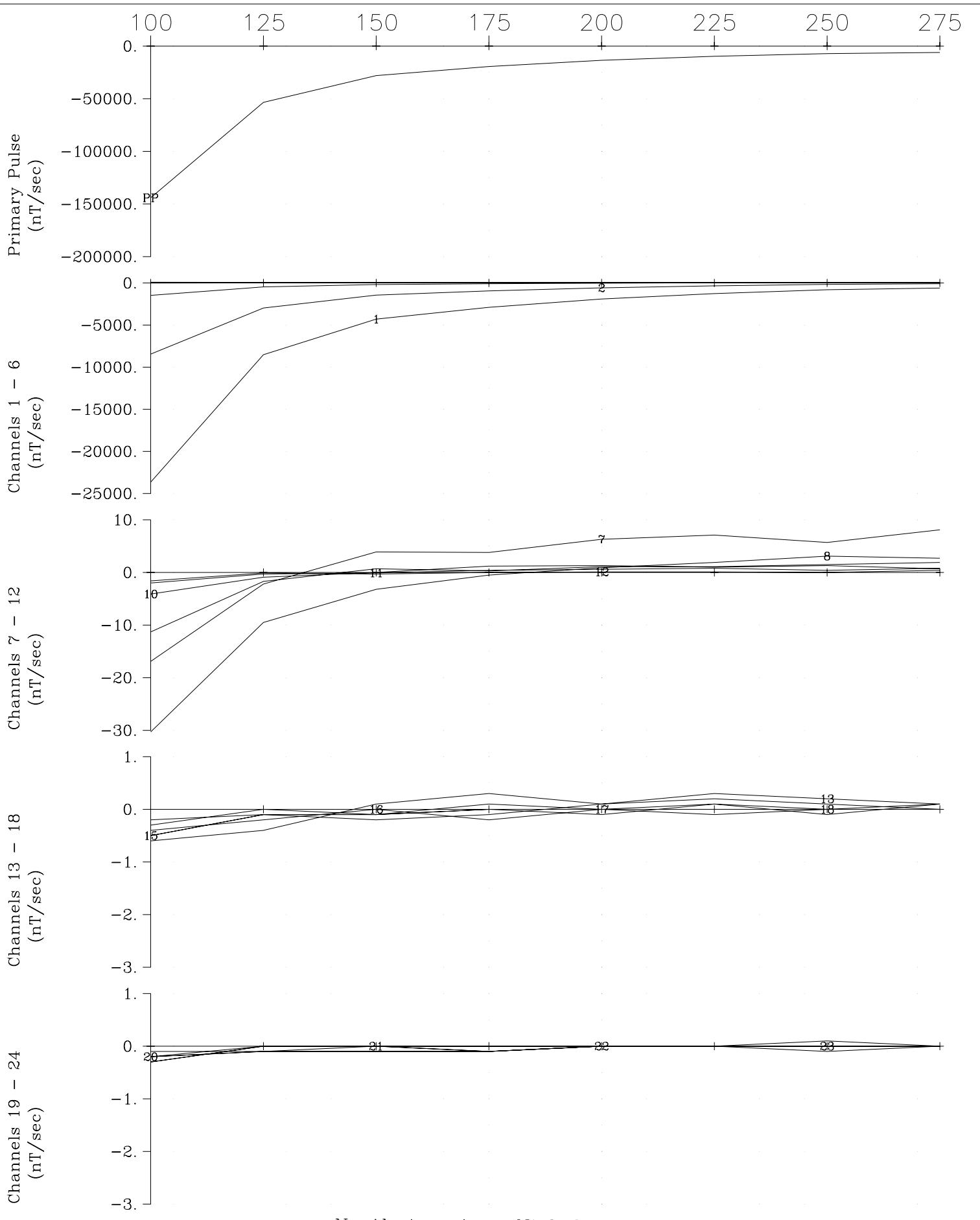
North American Nickel P-246
Loop P-246, Line 450E X Component
Crone Geophysics & Exploration Ltd.



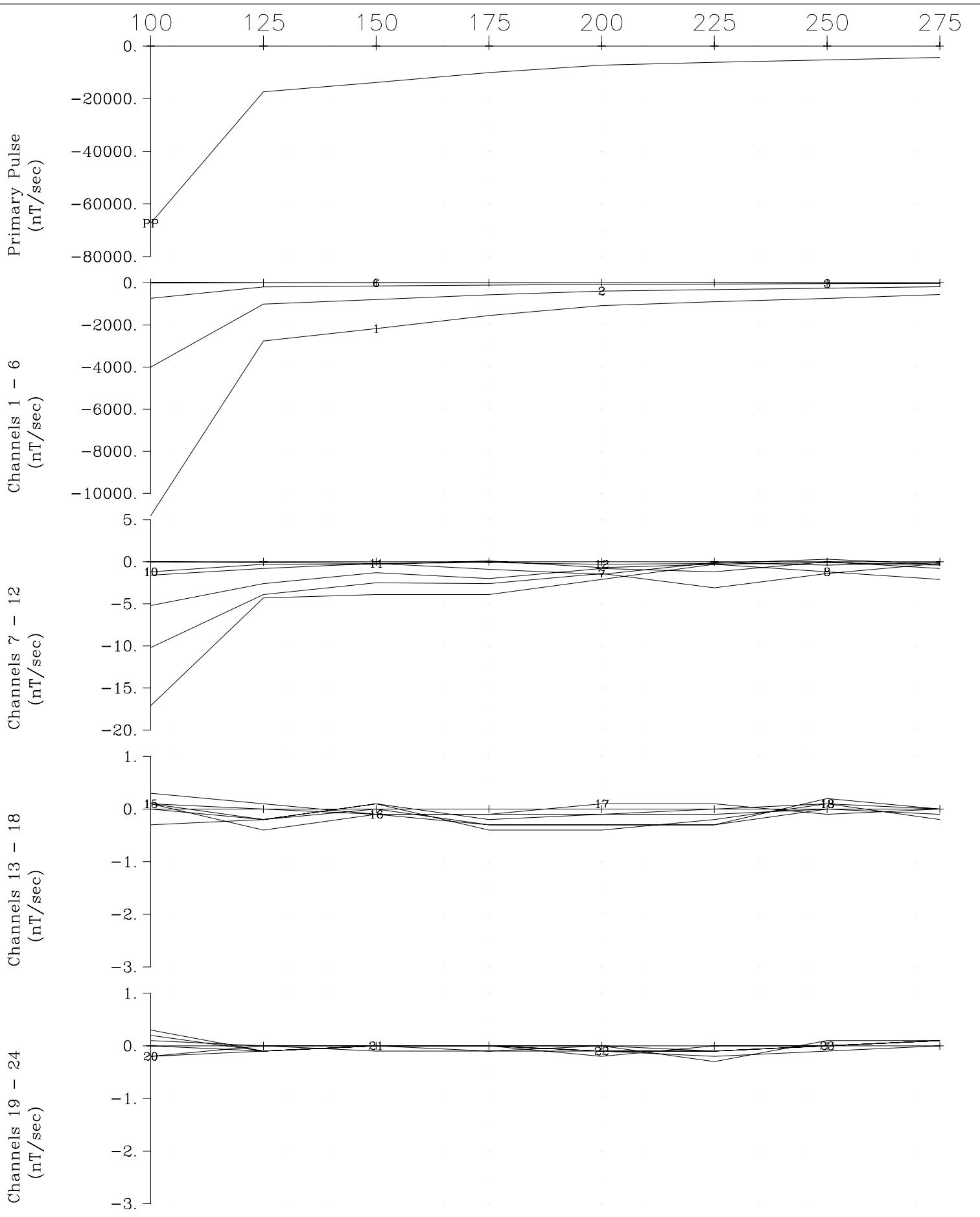
North American Nickel P-246
Loop P-246, Line 500E Z Component
Crone Geophysics & Exploration Ltd.



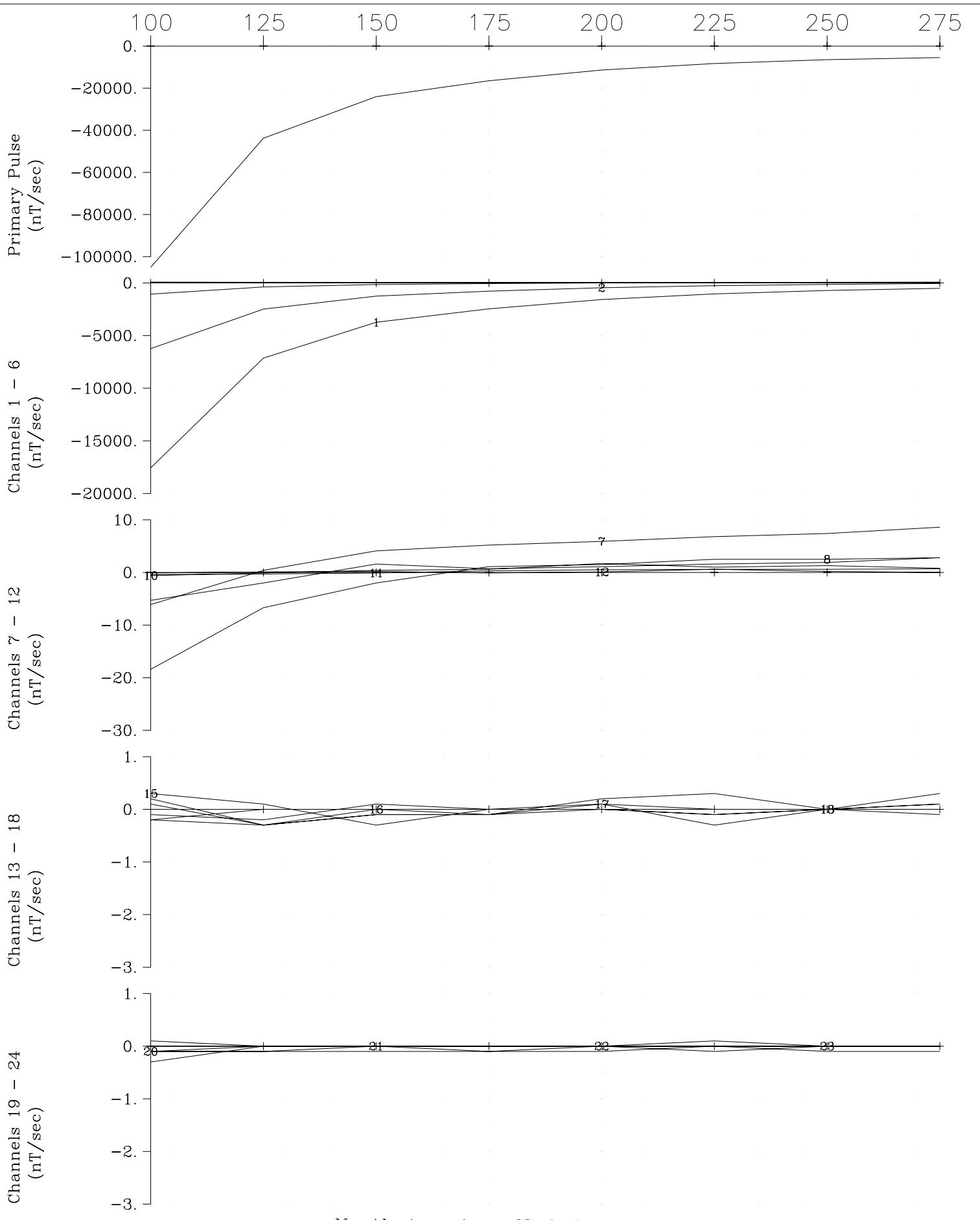
North American Nickel P-246
Loop P-246, Line 500E X Component
Crone Geophysics & Exploration Ltd.



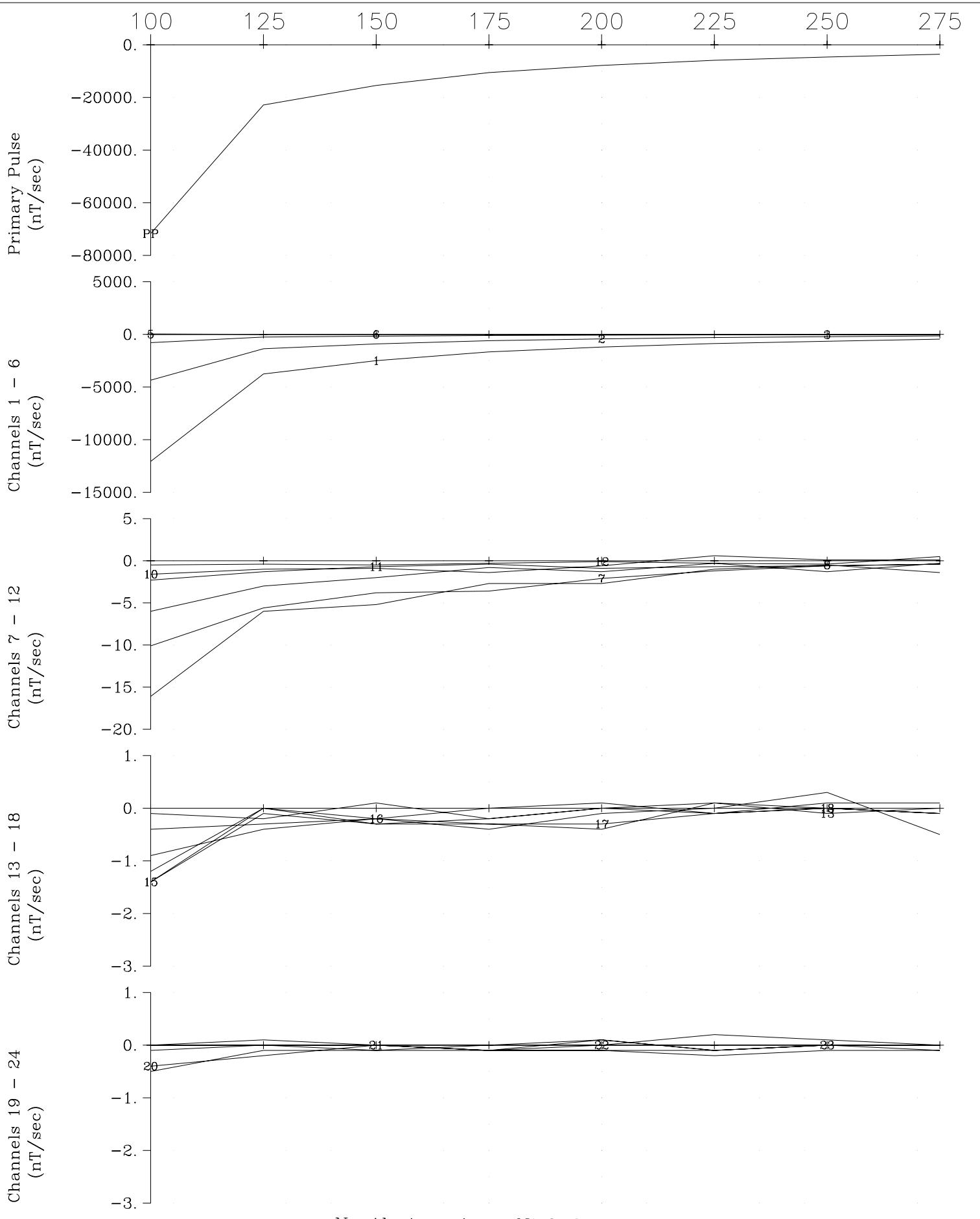
North American Nickel P-246
Loop P-246, Line 550E Z Component
Crone Geophysics & Exploration Ltd.



North American Nickel P-246
Loop P-246, Line 550E X Component
Crone Geophysics & Exploration Ltd.



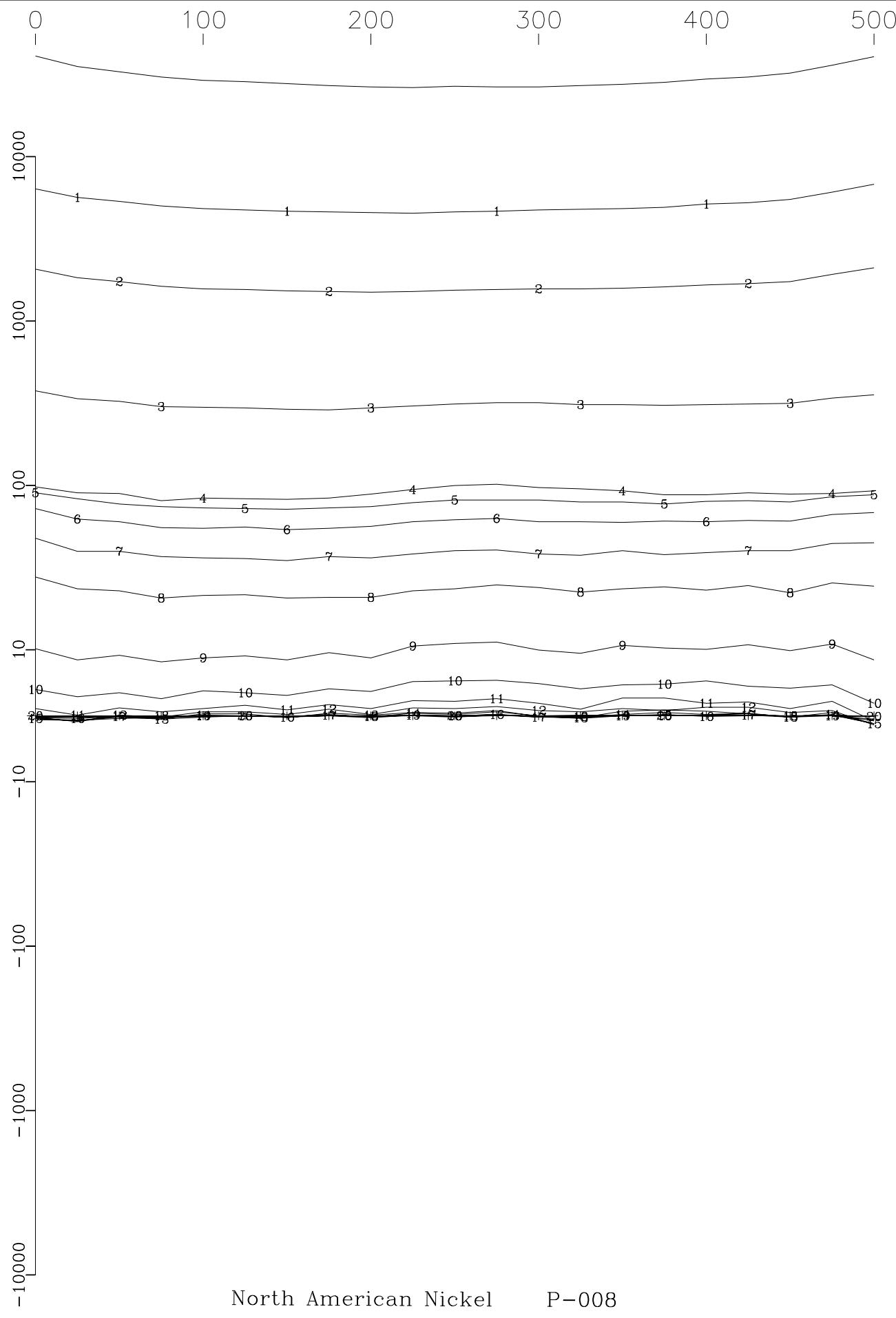
North American Nickel P-246
Loop P-246, Line 600E Z Component
Crone Geophysics & Exploration Ltd.



North American Nickel P-246
Loop P-246, Line 600E X Component
Crone Geophysics & Exploration Ltd.

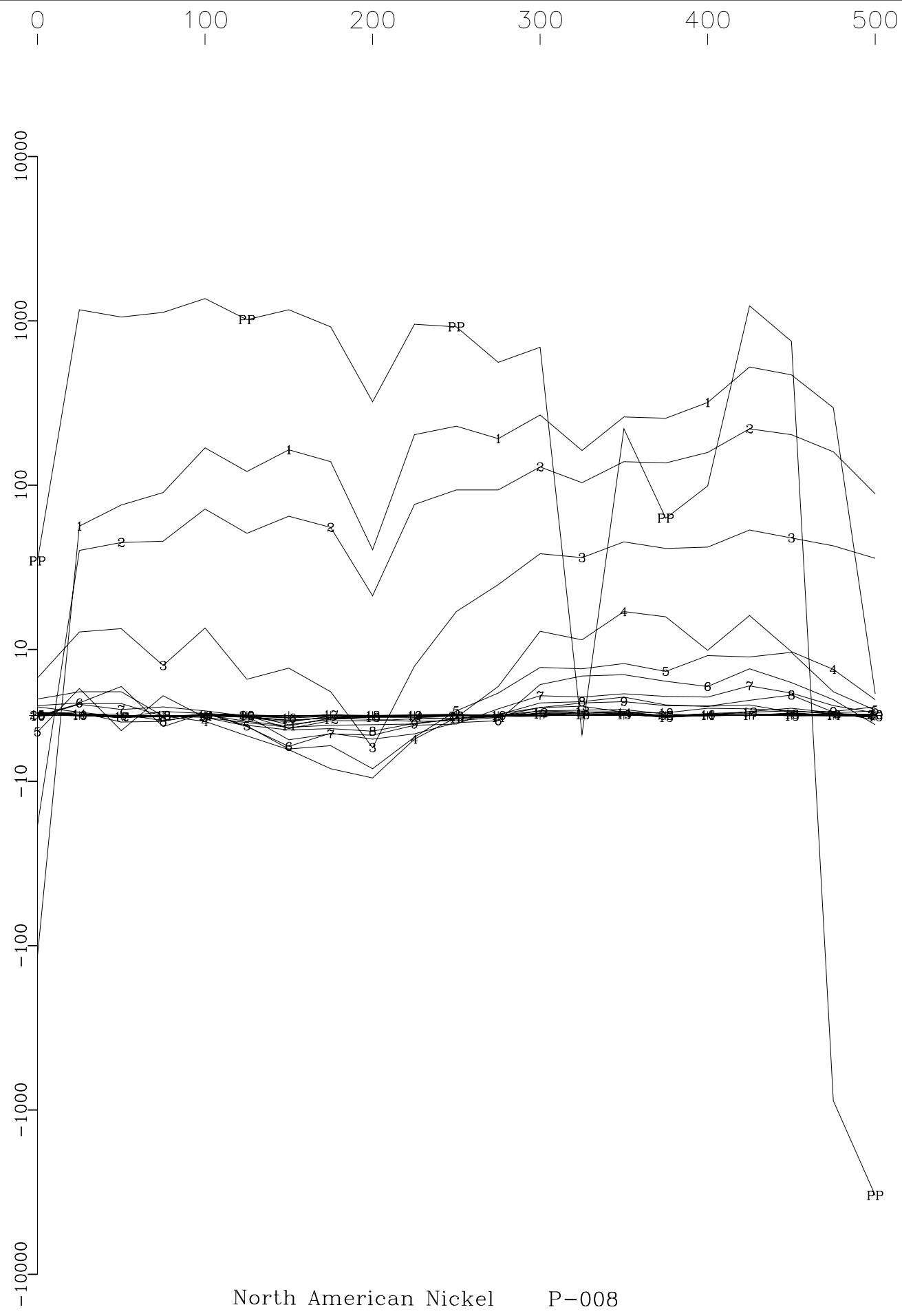
Appendix 4: Pulse-EM Data Profiles (Lin-Log) Scale

Primary Pulse and 20 Off-time Channels
(mT/sec)



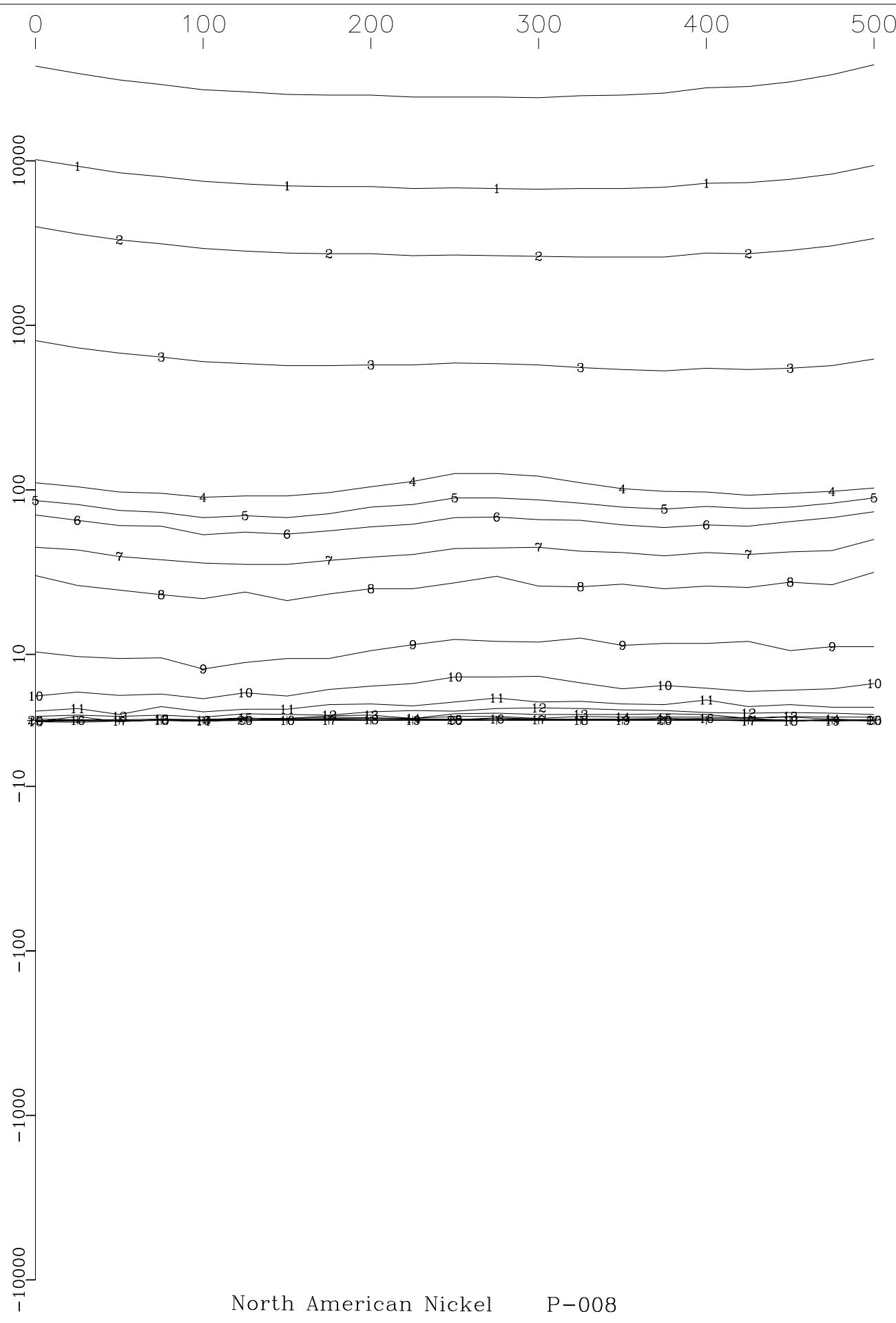
North American Nickel P-008
Loop P-008, Line 50N Z Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 20 Off-time Channels
(mT/sec)

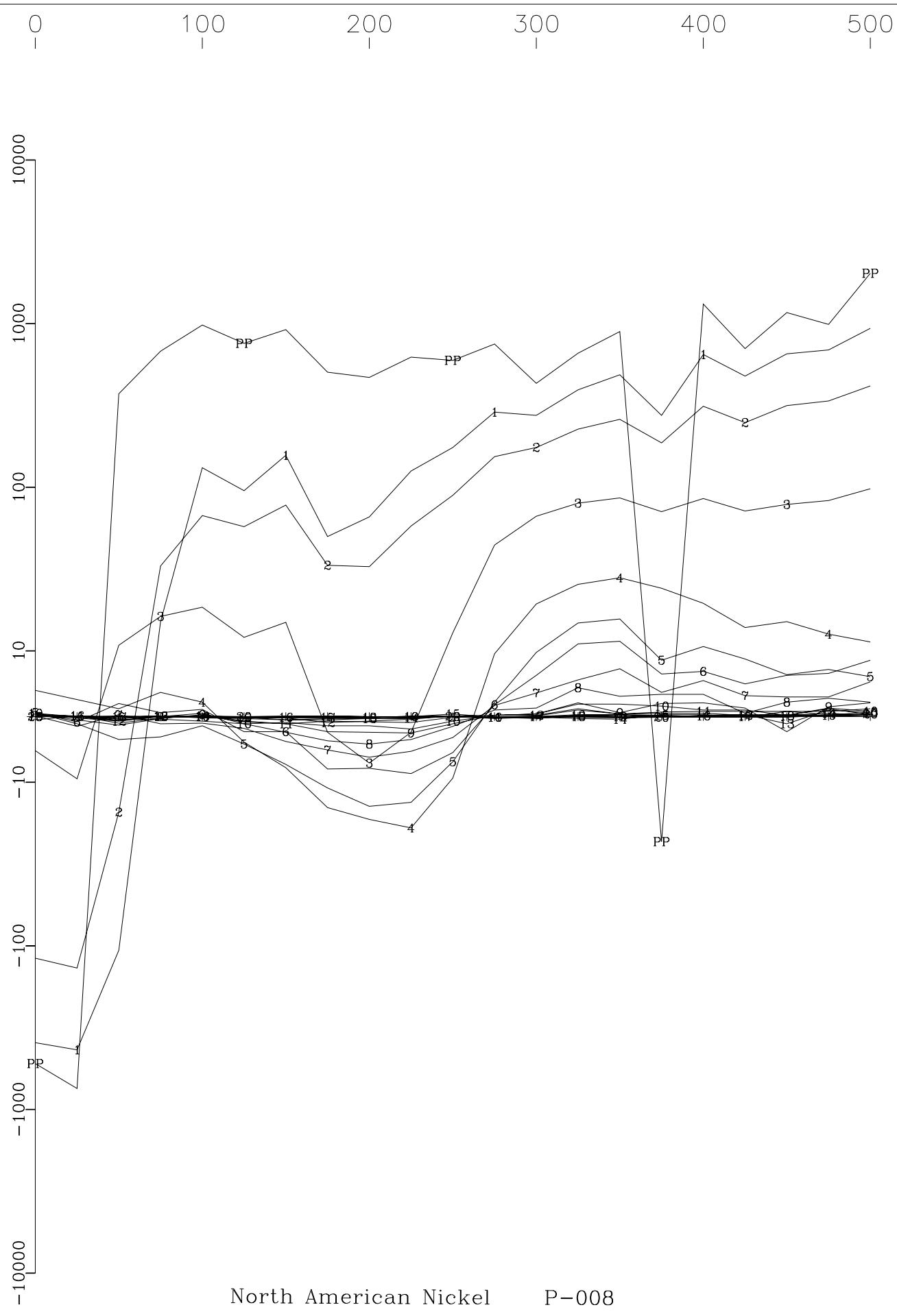


North American Nickel P-008
Loop P-008, Line 50N X Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 20 Off-time Channels
(mT/sec)

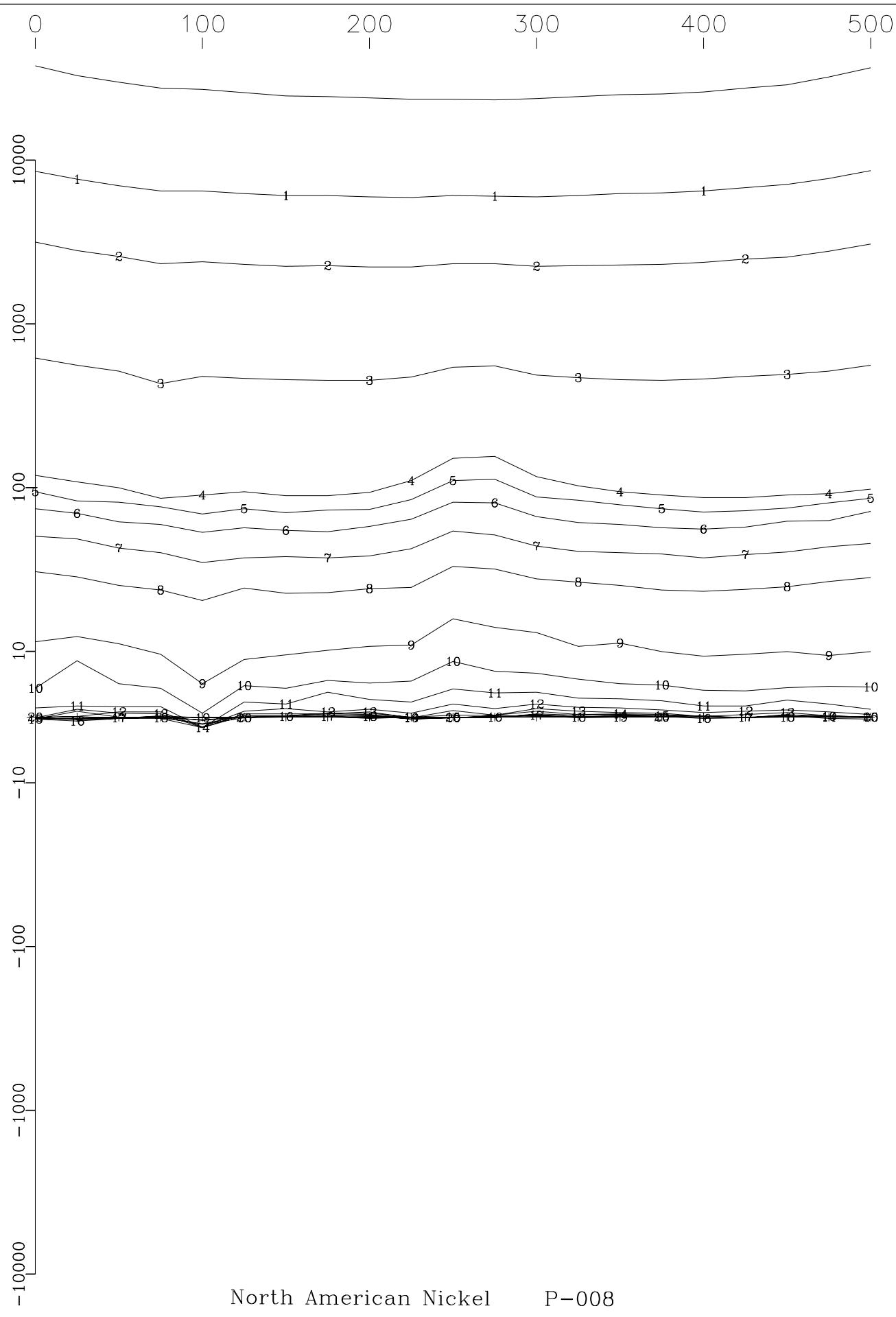


Primary Pulse and 20 Off-time Channels
(nT/sec)



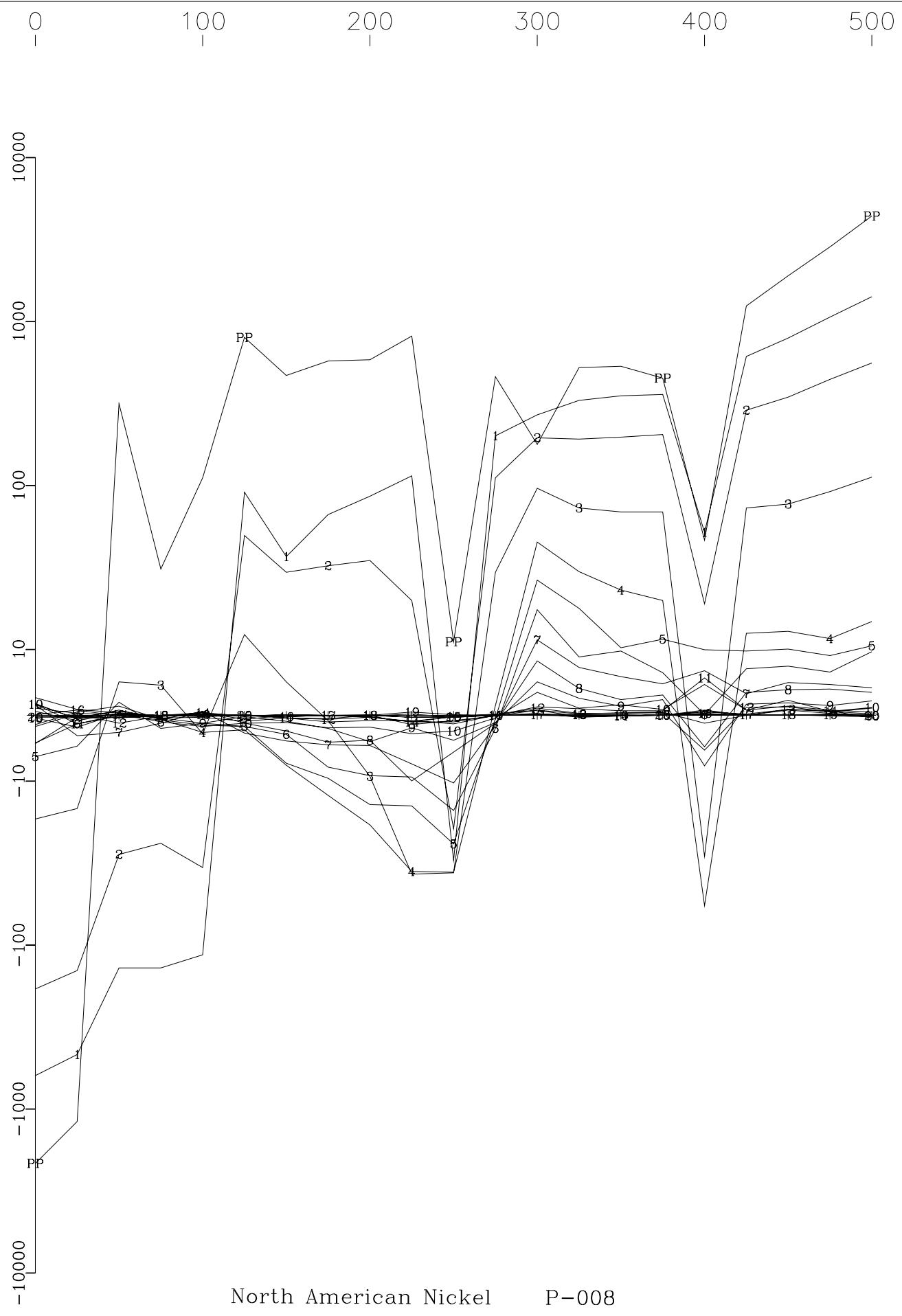
North American Nickel P-008
Loop P-008, Line 100N X Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 20 Off-time Channels
(mT/sec)

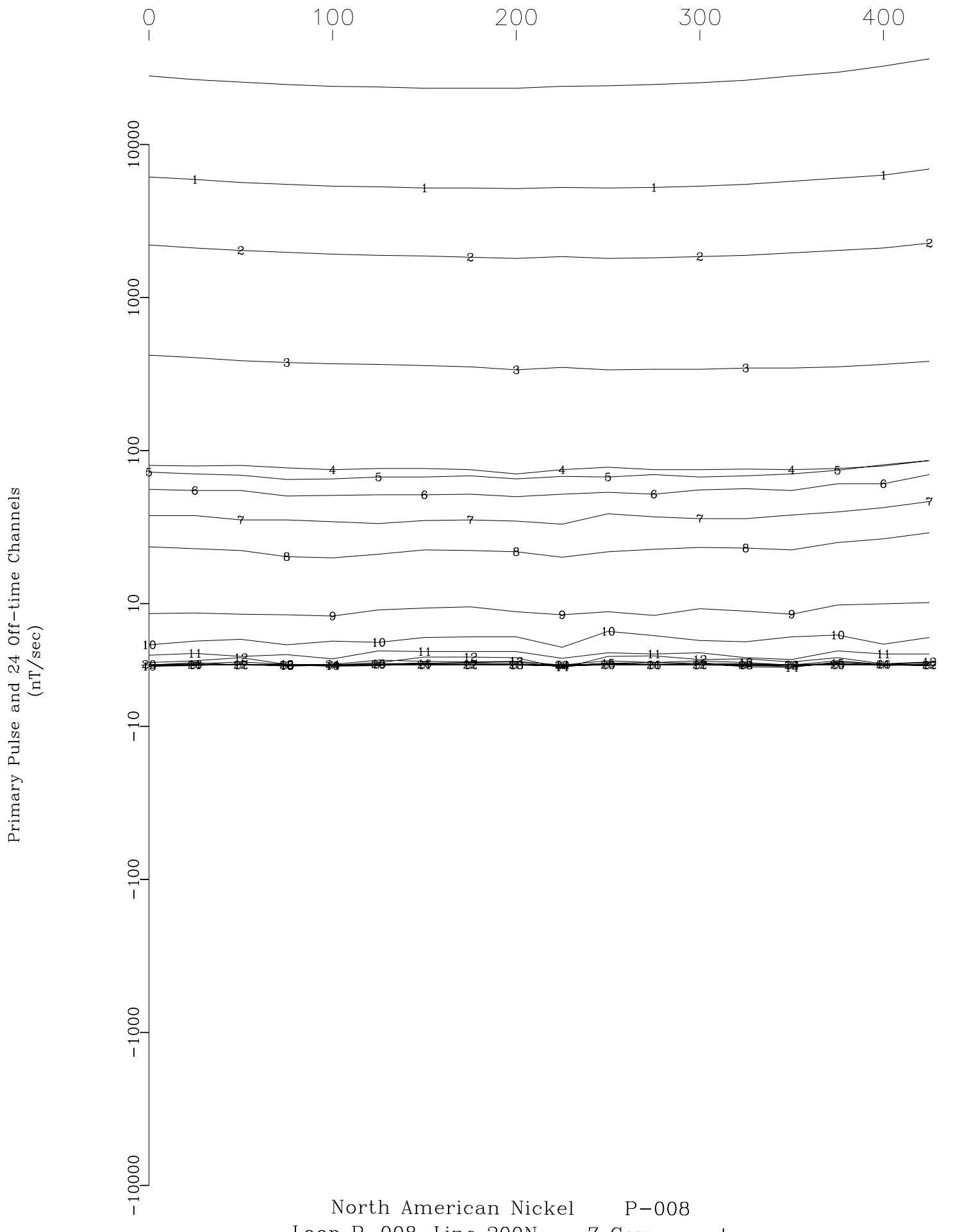


North American Nickel P-008
Loop P-008, Line 150N Z Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 20 Off-time Channels
(mT/sec)

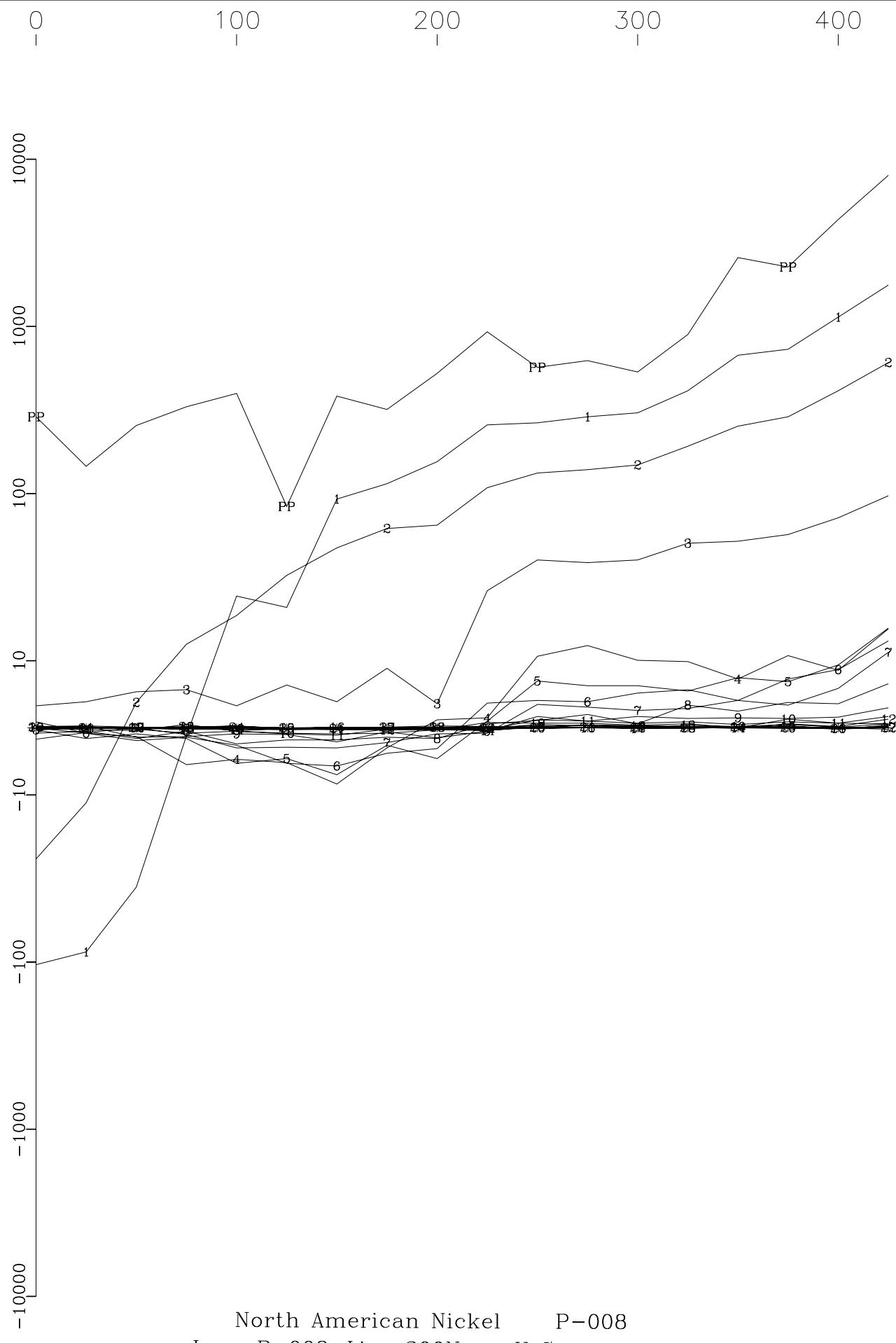


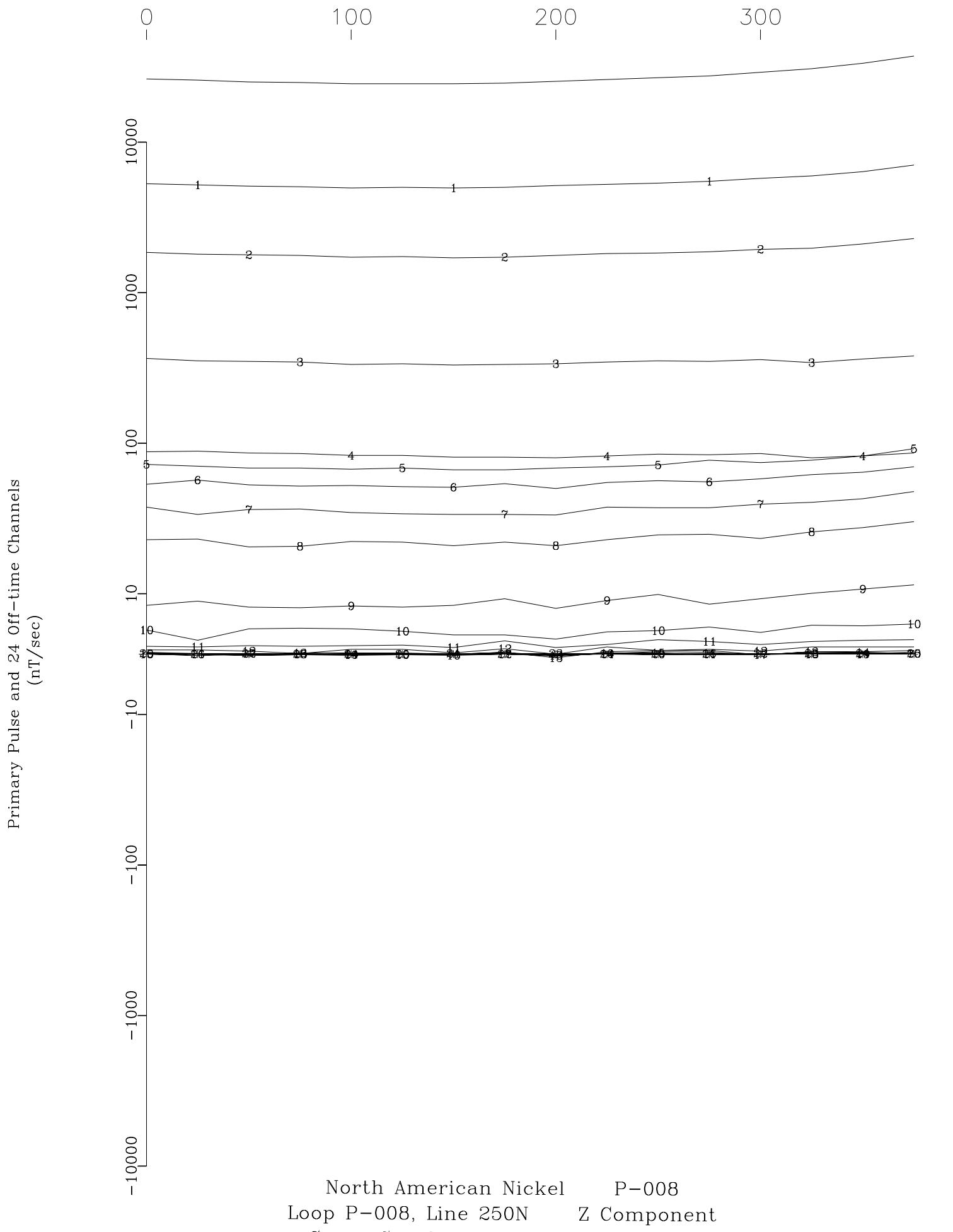
North American Nickel P-008
Loop P-008, Line 150N X Component
Crone Geophysics & Exploration Ltd.



North American Nickel P-008
Loop P-008, Line 200N Z Component
Crone Geophysics & Exploration Ltd.

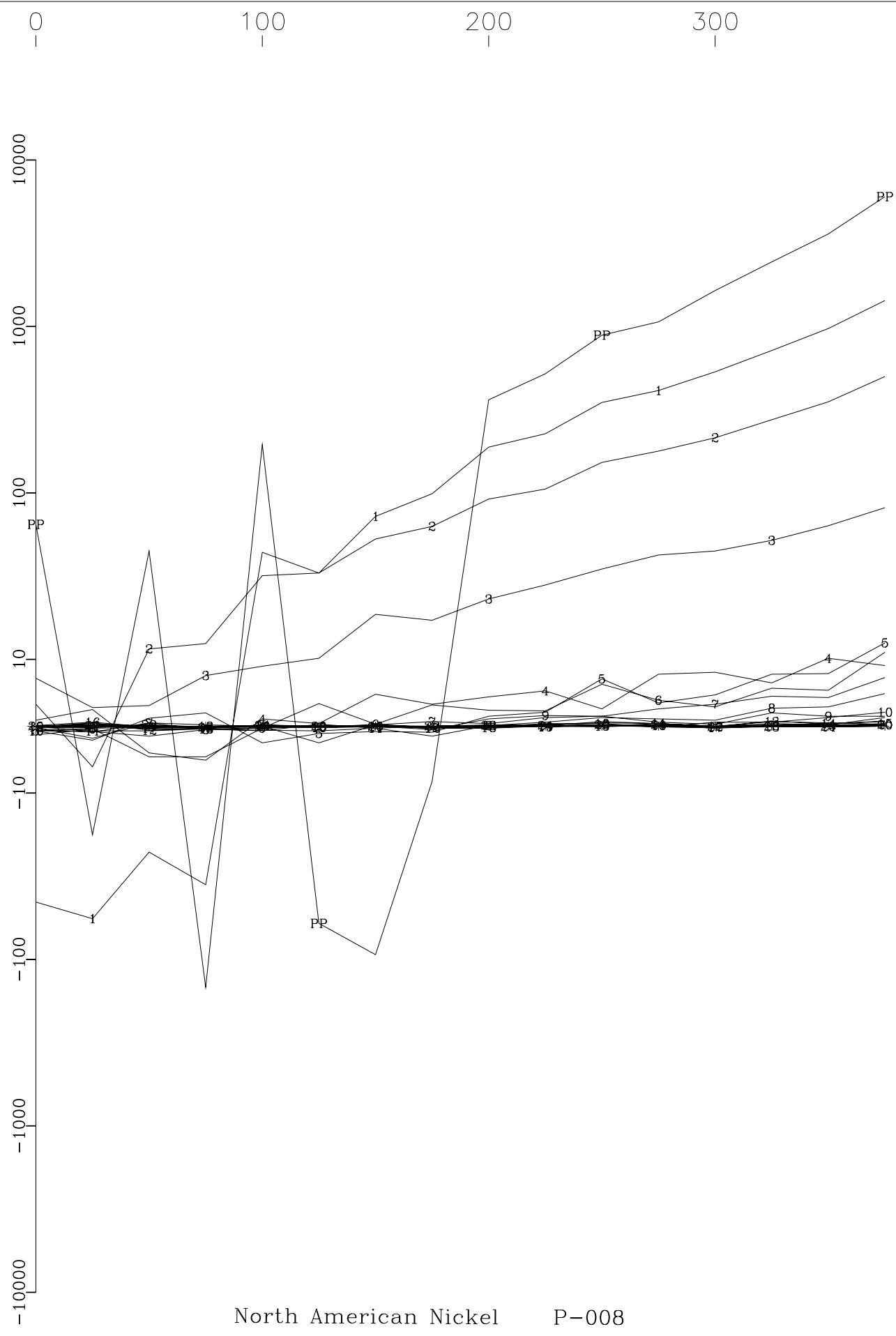
Primary Pulse and 24 Off-time Channels
(mT/sec)





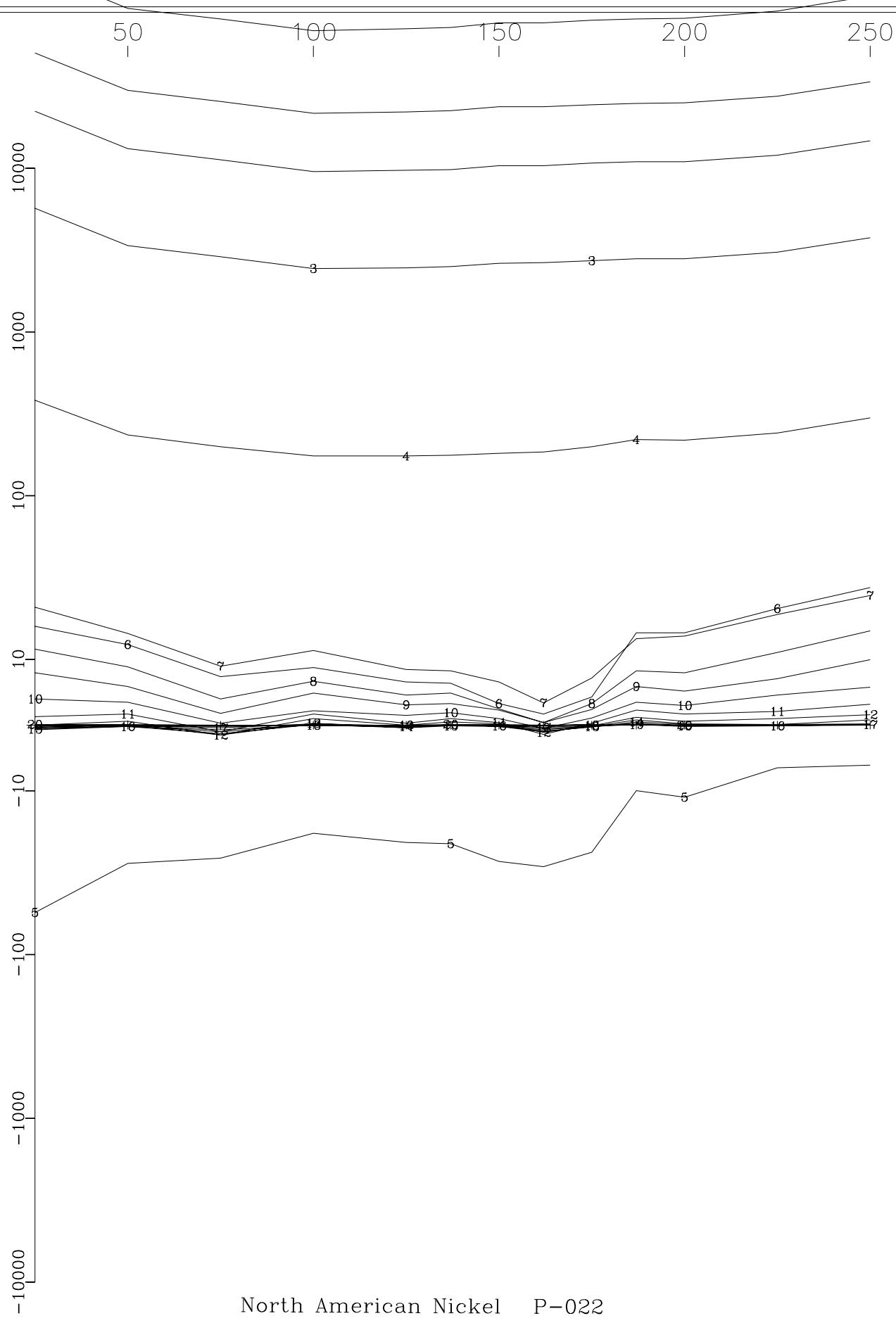
North American Nickel P-008
Loop P-008, Line 250N Z Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 24 Off-time Channels
(mT/sec)

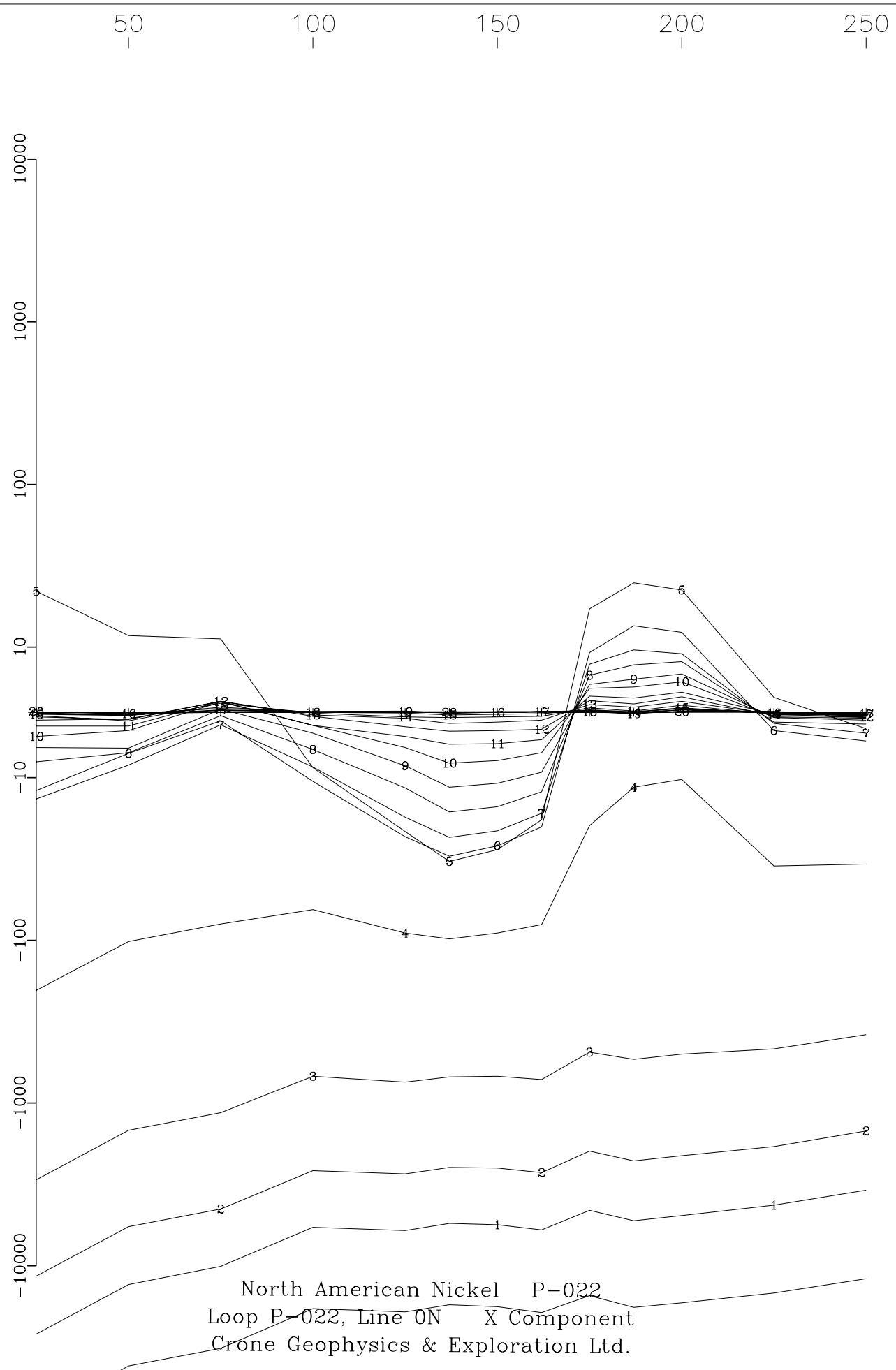


North American Nickel P-008
Loop P-008, Line 250N X Component
Crone Geophysics & Exploration Ltd.

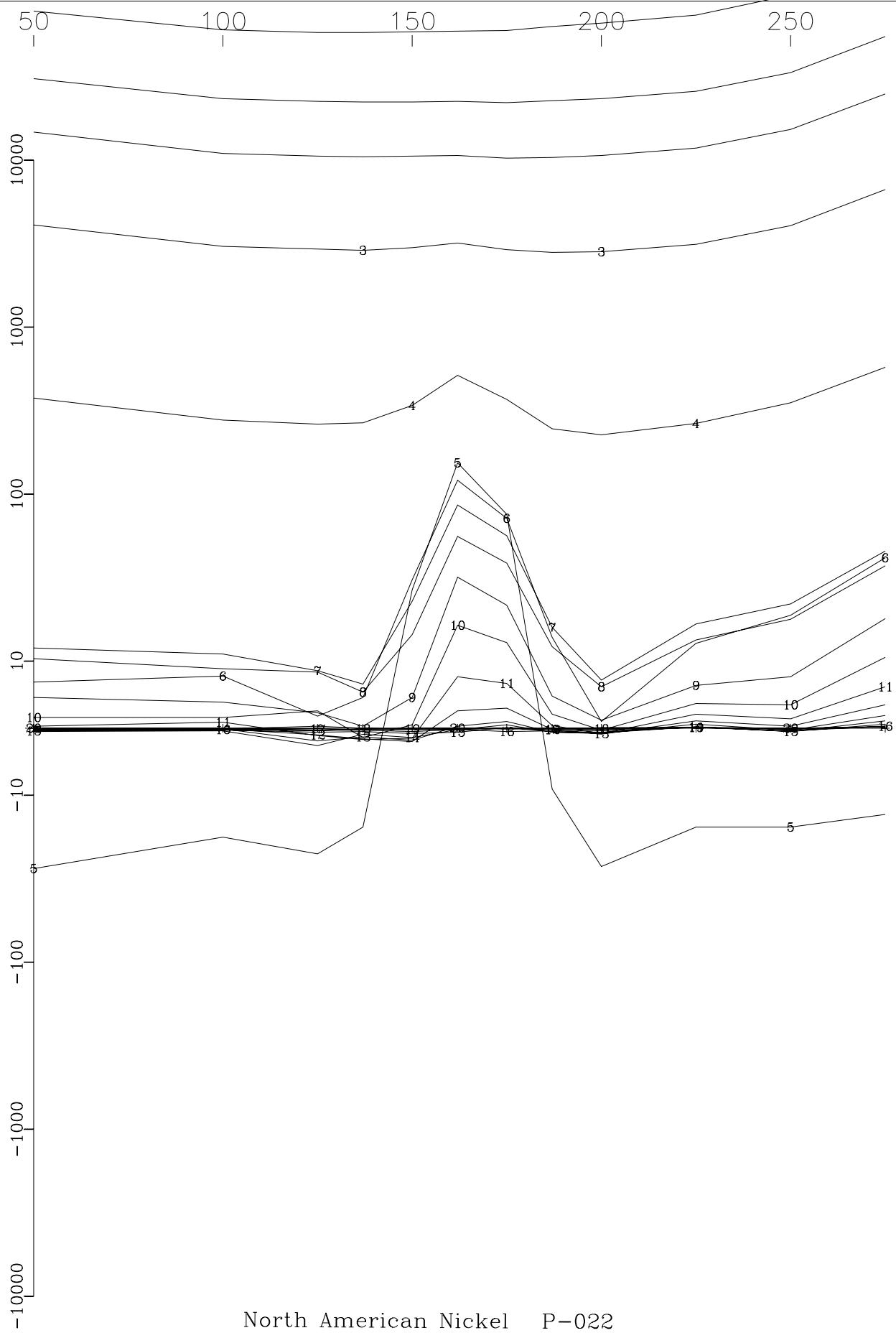
Primary Pulse and 20 Off-time Channels
(nT/sec)



Primary Pulse and 20 Off-time Channels
(nT/sec)

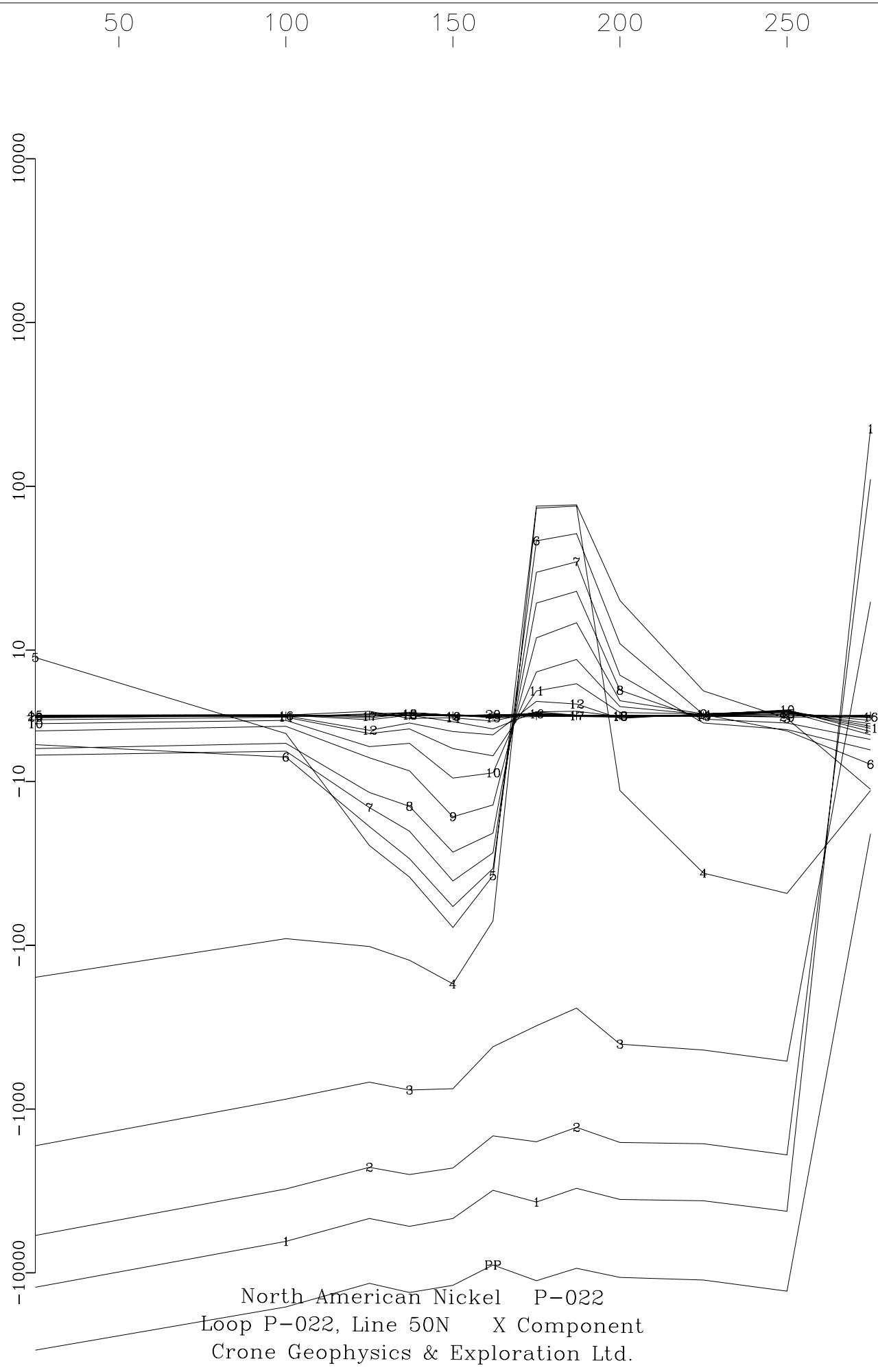


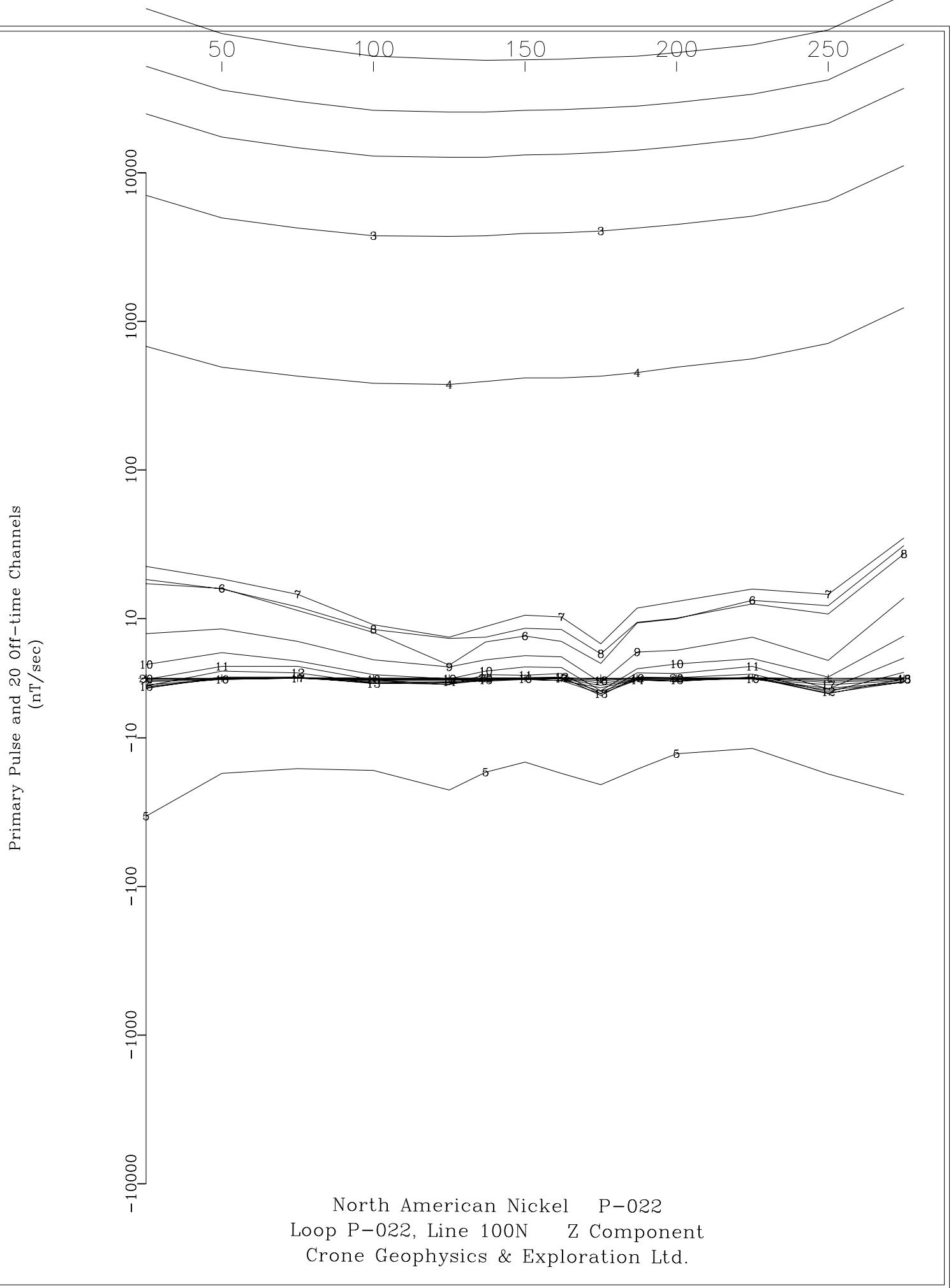
Primary Pulse and 20 Off-time Channels
(nT/sec)



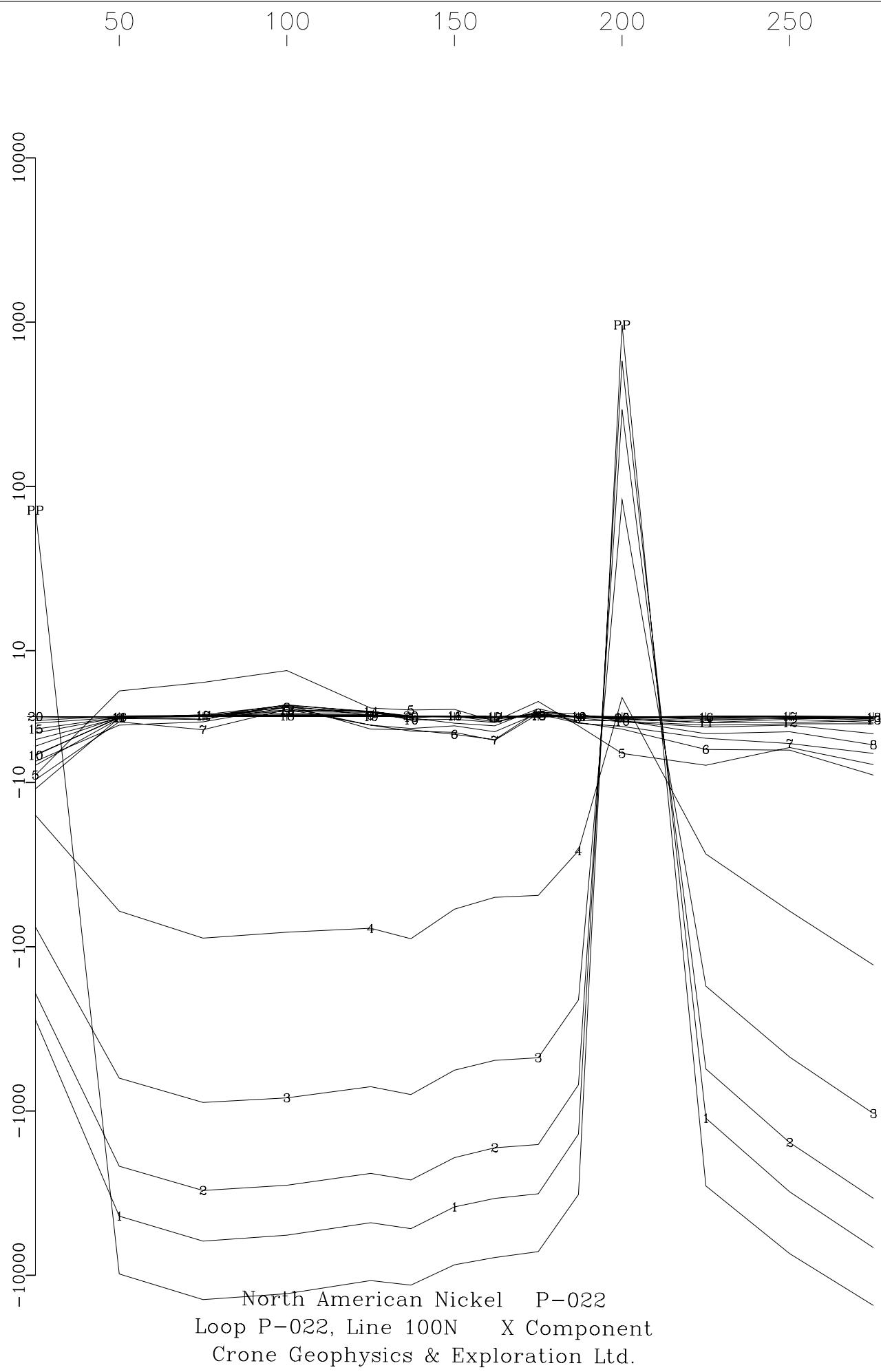
North American Nickel P-022
Loop P-022, Line 50N Z Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 20 Off-time Channels
(mT/sec)

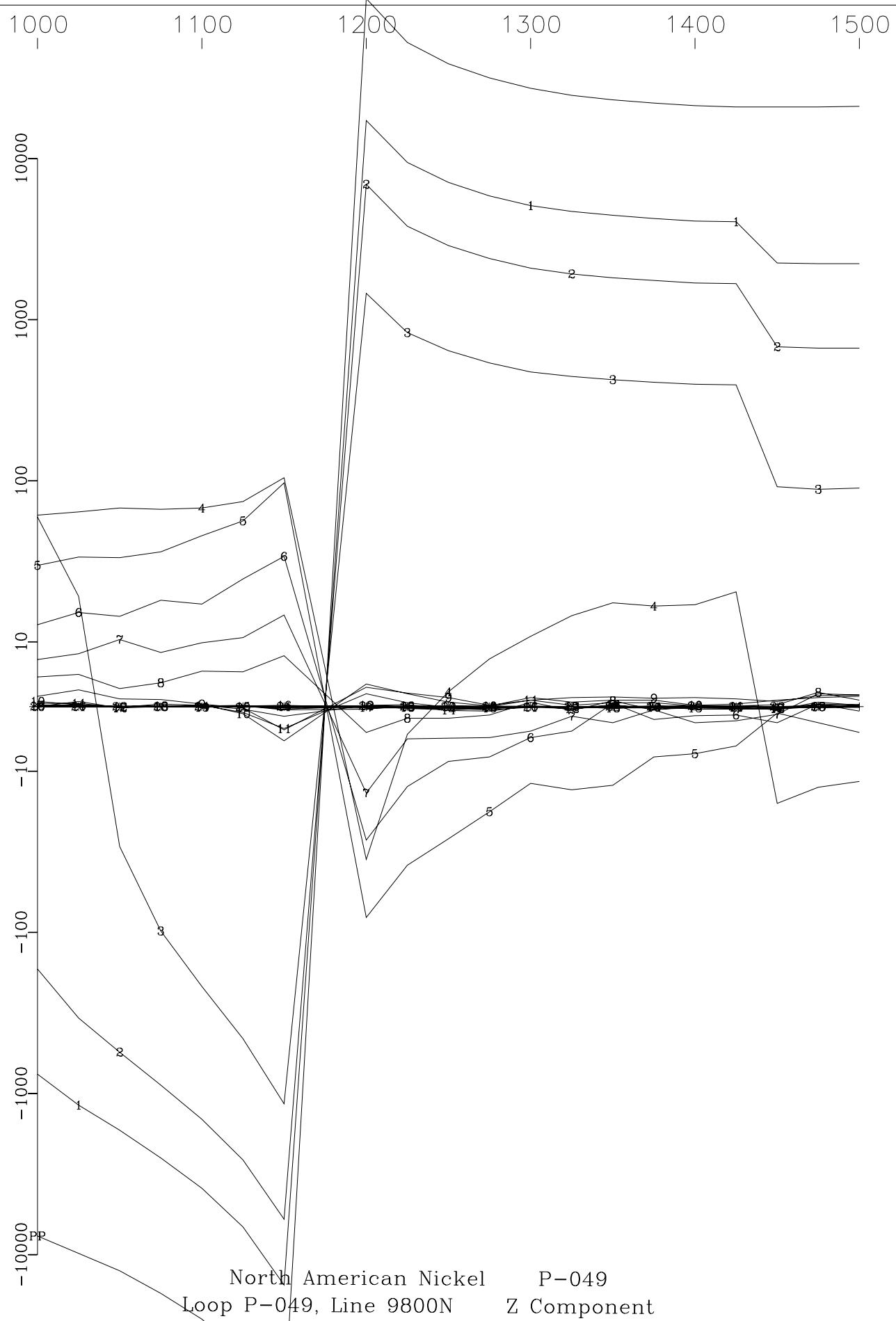




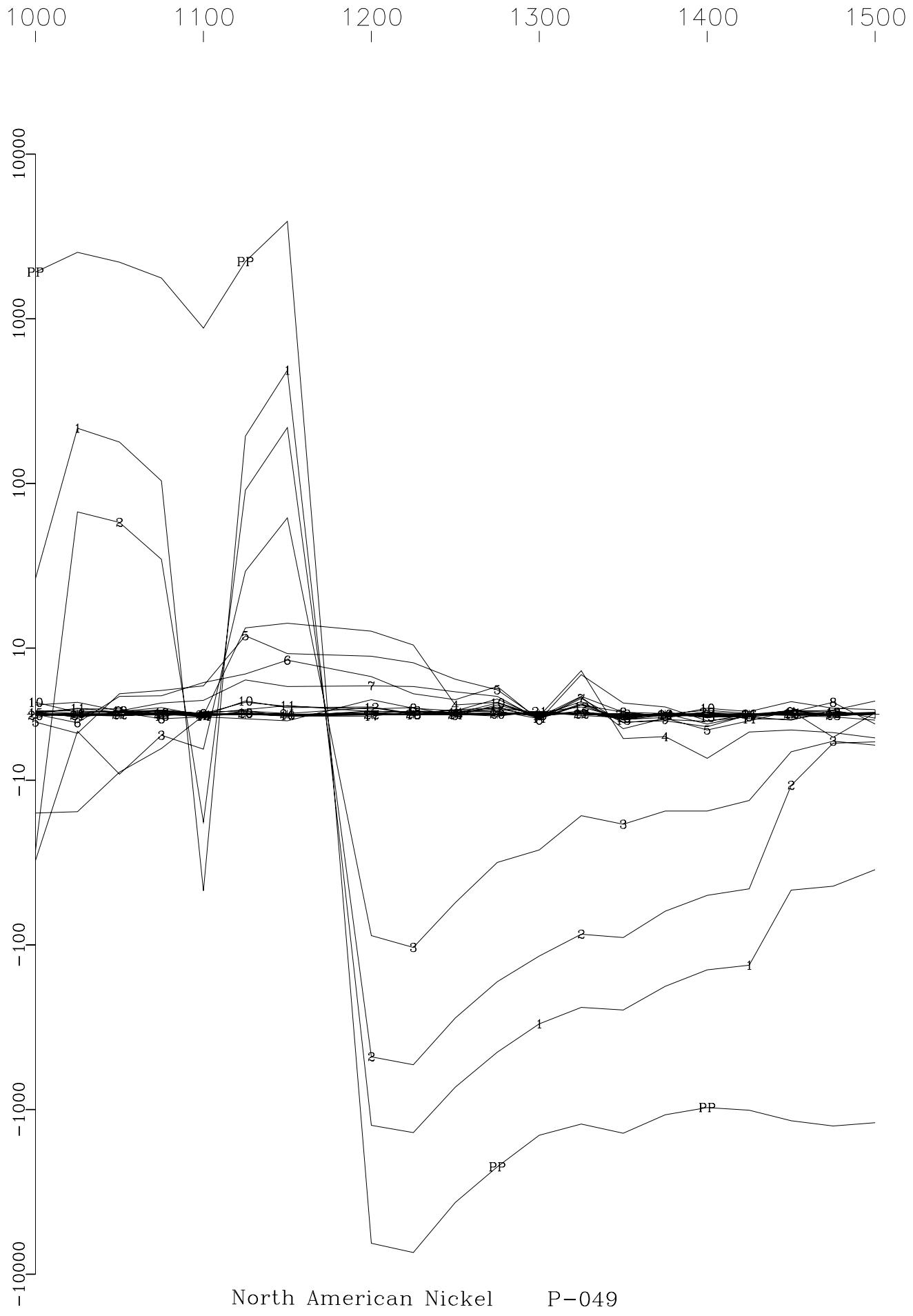
Primary Pulse and 20 Off-time Channels
(mT/sec)



Primary Pulse and 24 Off-time Channels
(nT/sec)

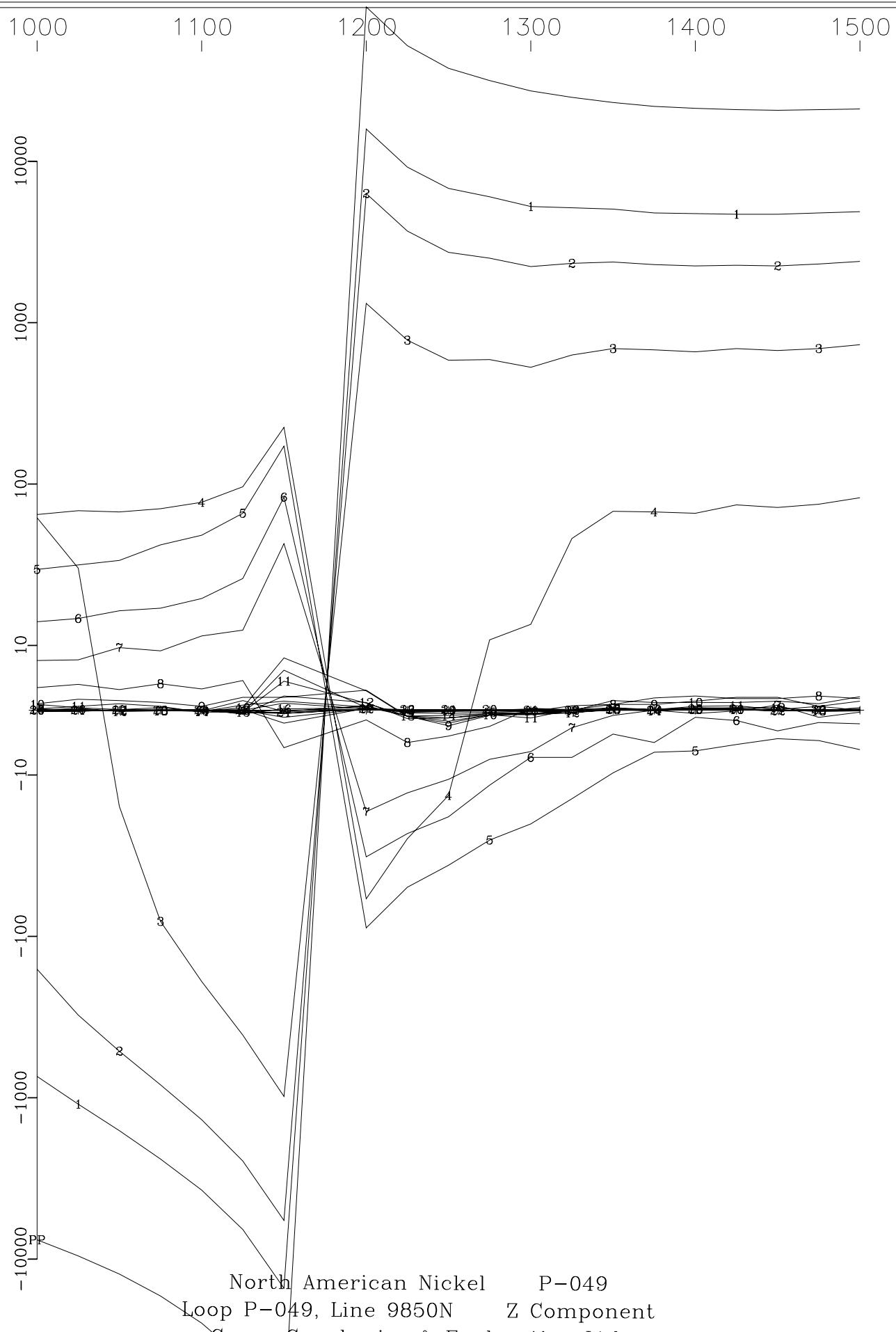


Primary Pulse and 24 Off-time Channels
(nT/sec)

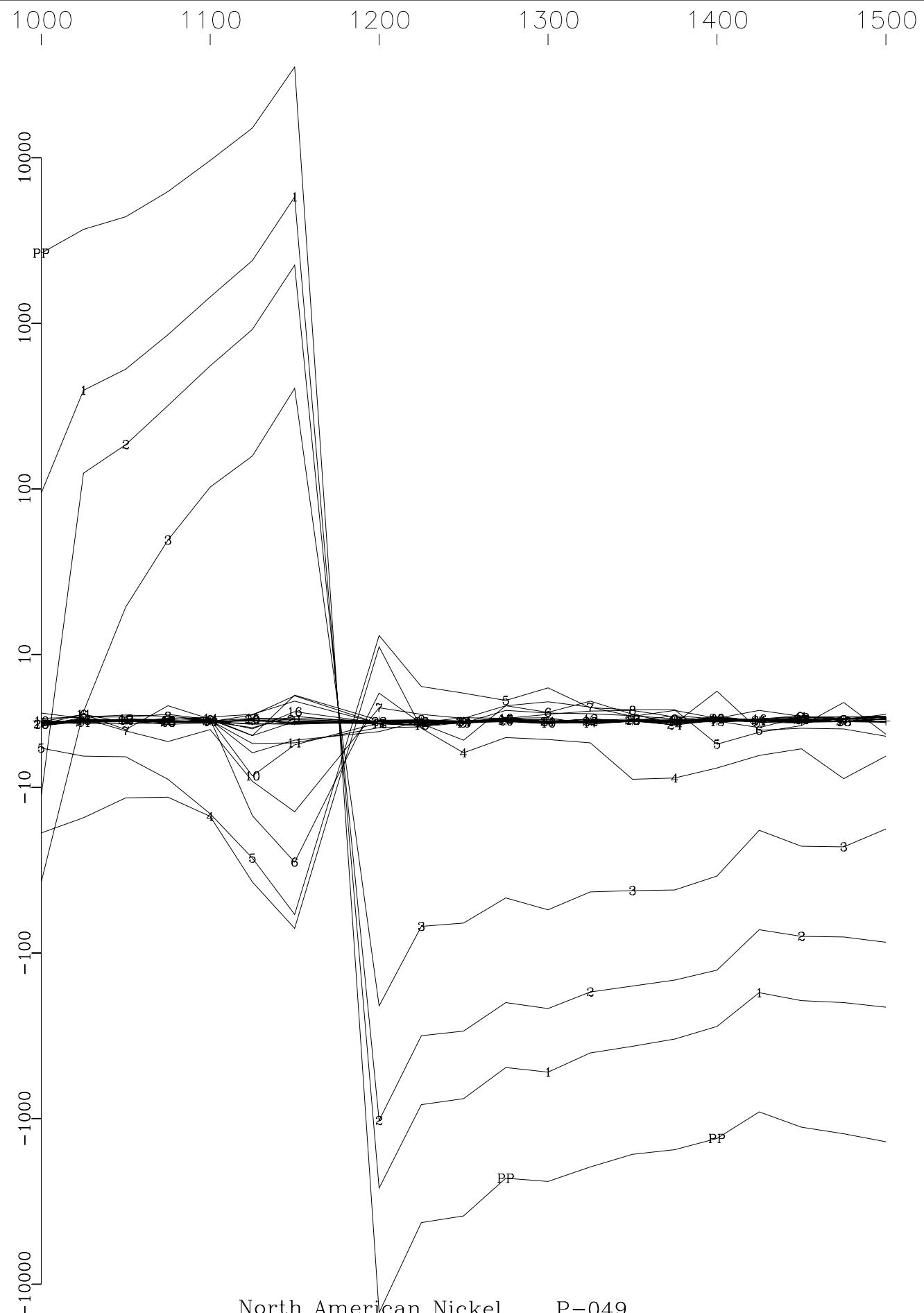


North American Nickel P-049
Loop P-049, Line 9800N X Component
Crone Geophysics & Exploration Ltd.

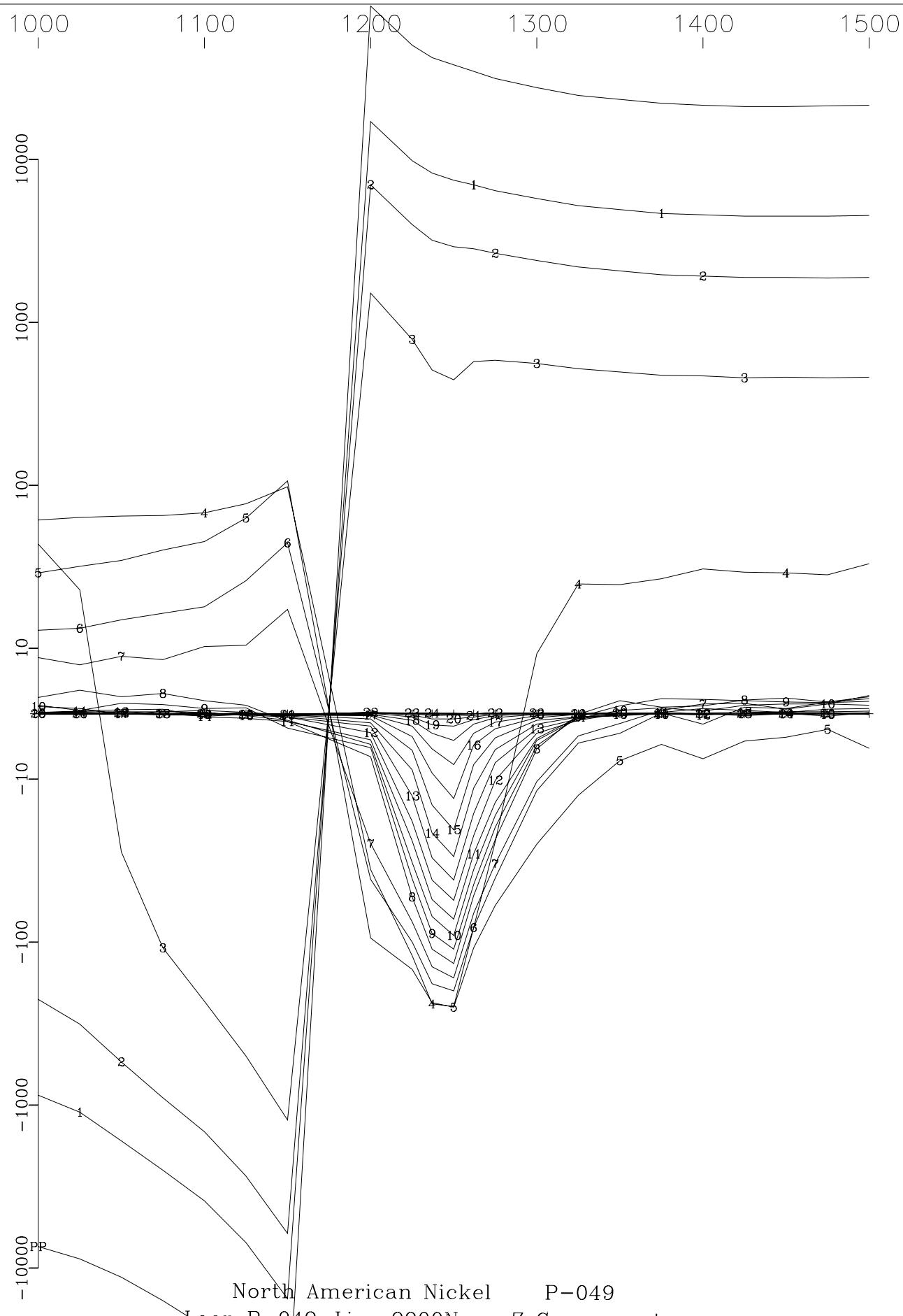
Primary Pulse and 24 Off-time Channels
(nT/sec)



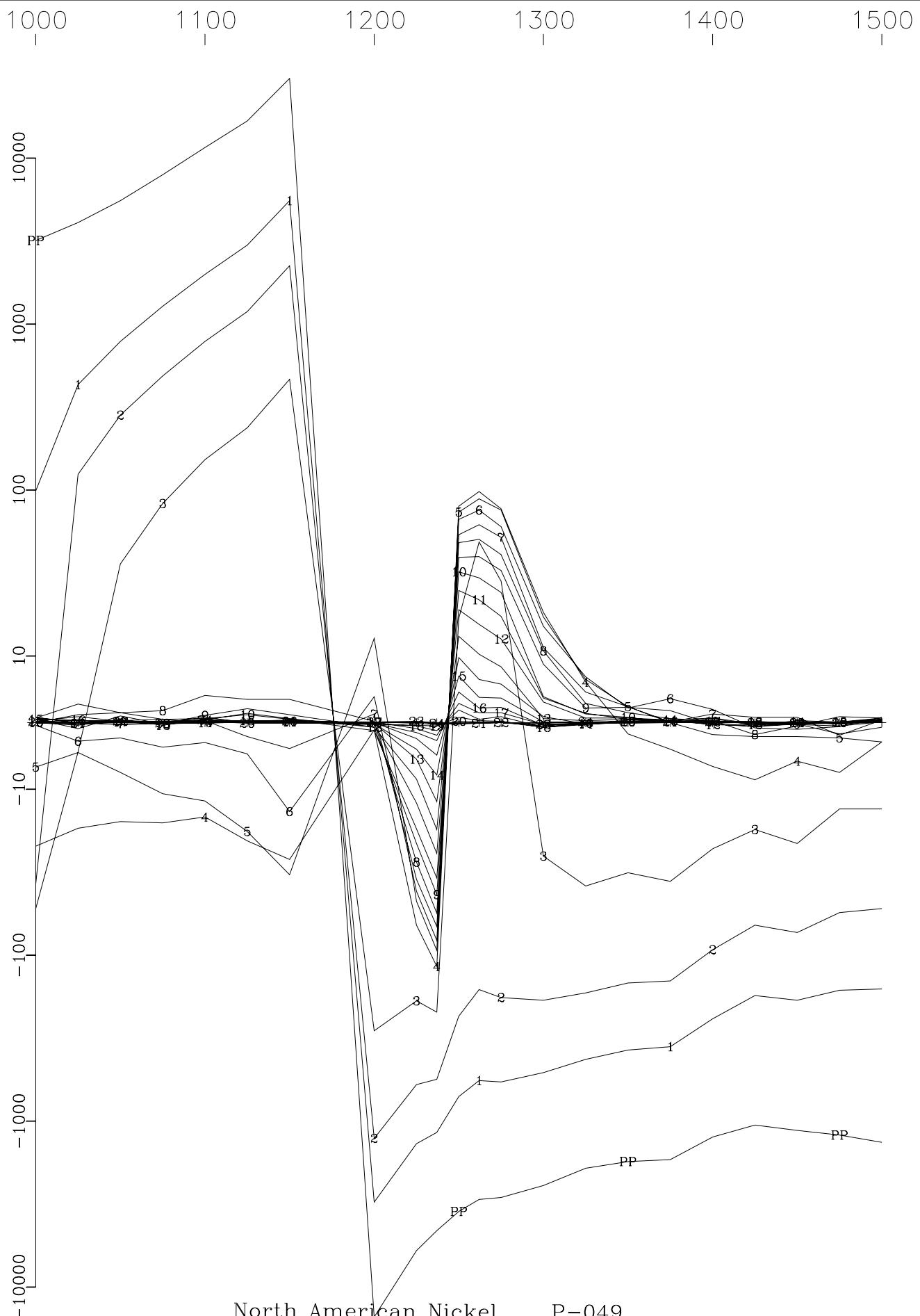
Primary Pulse and 24 Off-time Channels
(nT/sec)



Primary Pulse and 24 Off-time Channels
(nT/sec)

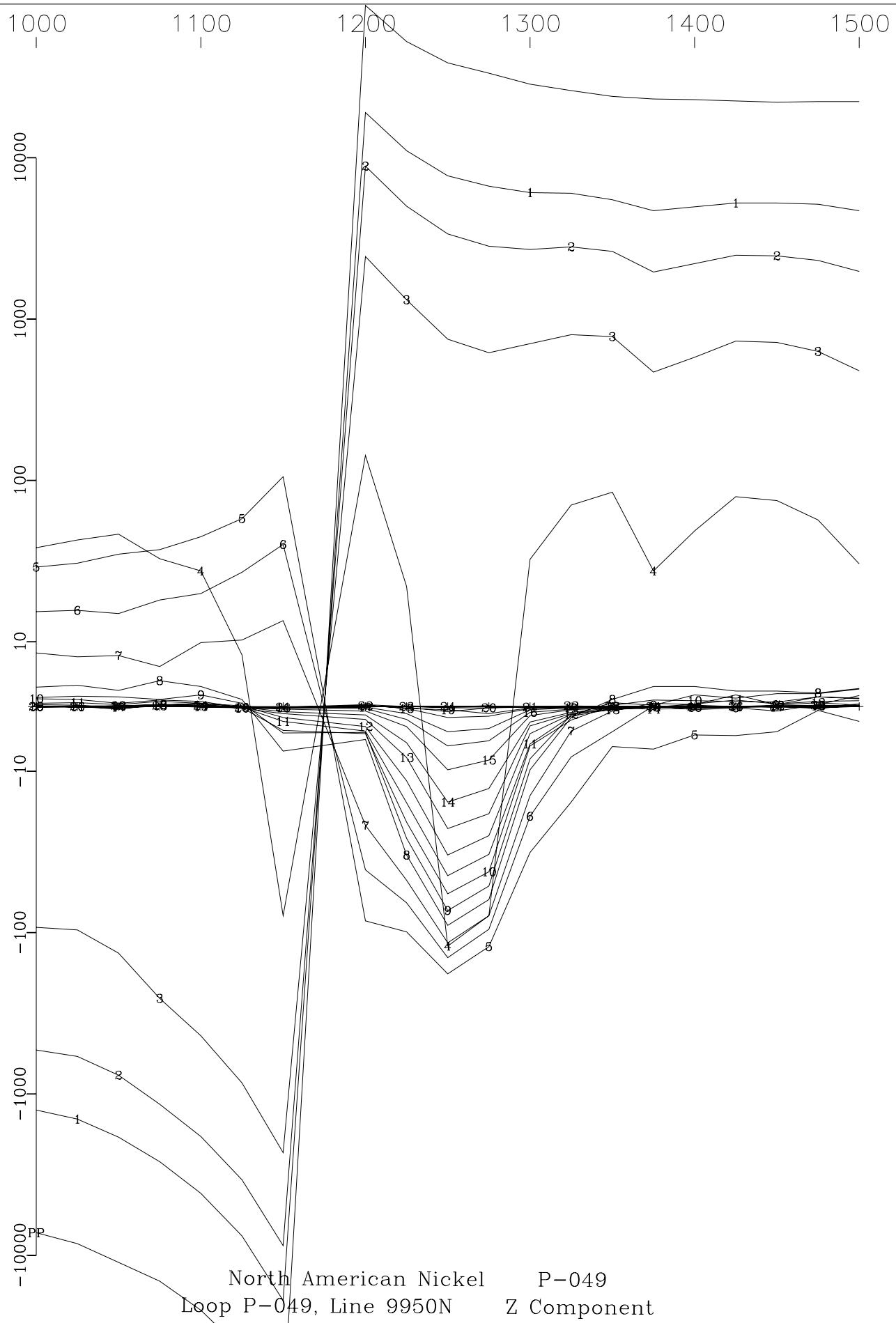


Primary Pulse and 24 Off-time Channels
(mT/sec)

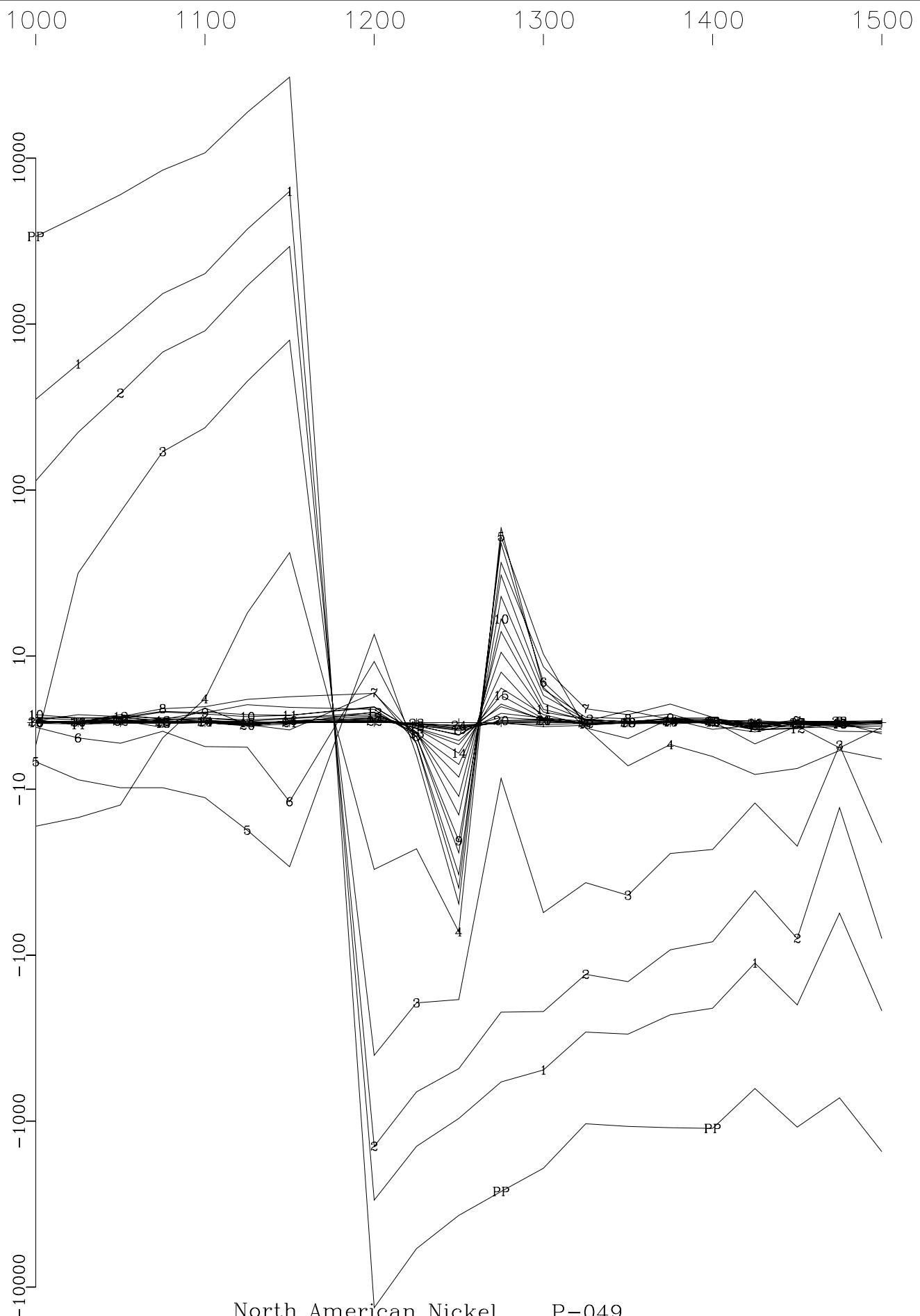


North American Nickel P-049
Loop P-049, Line 9900N X Component
Crone Geophysics & Exploration Ltd.

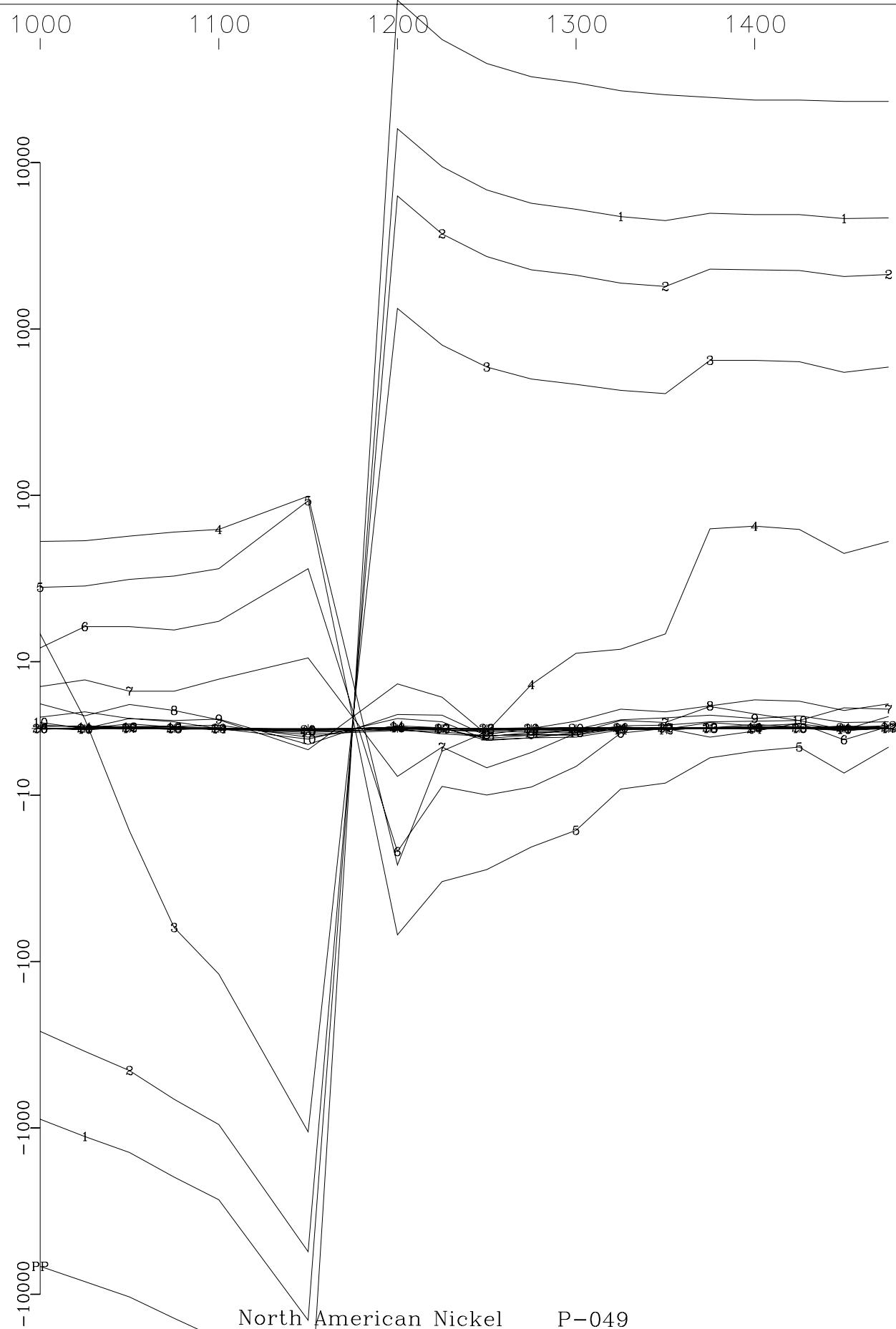
Primary Pulse and 24 Off-time Channels
(nT/sec)



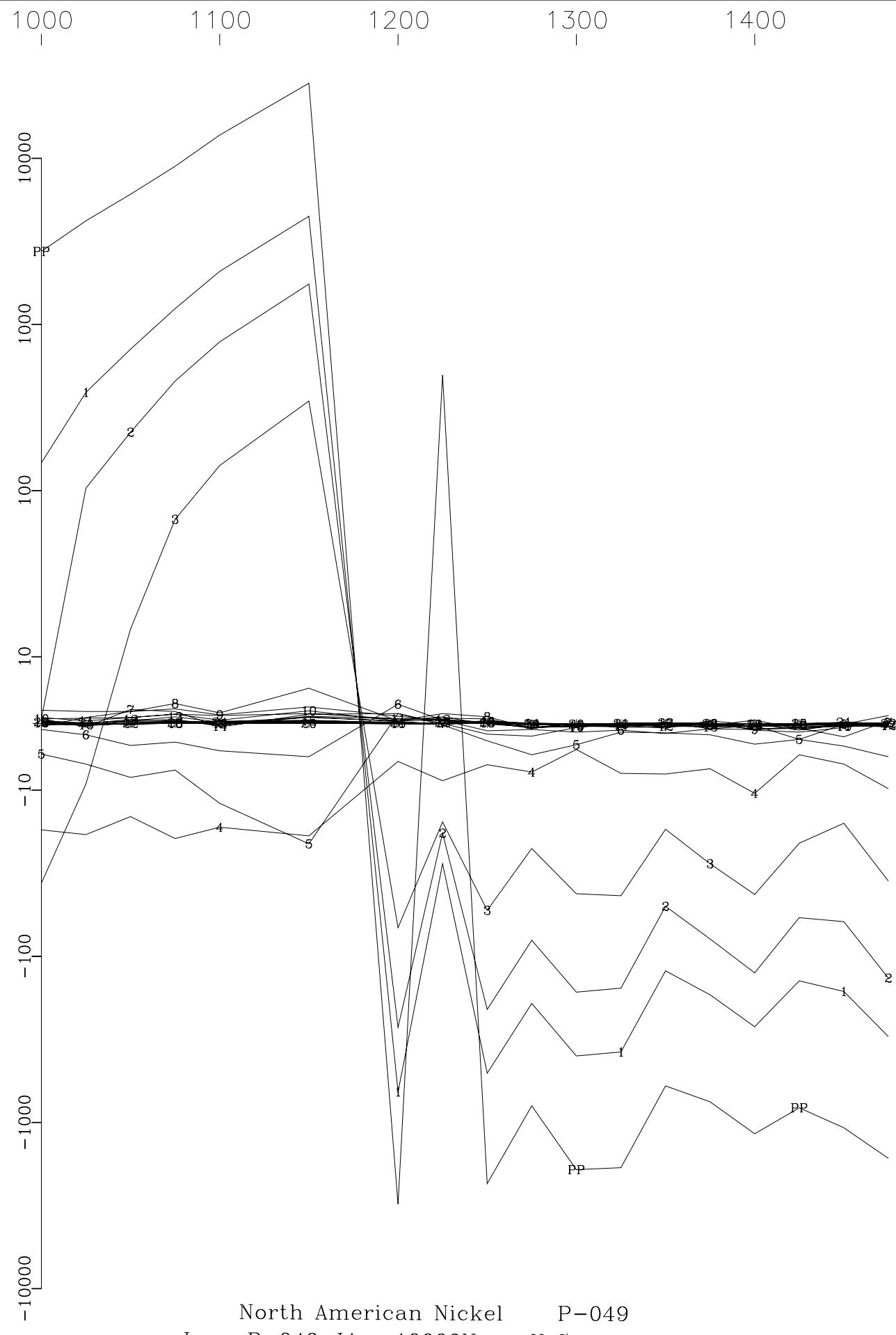
Primary Pulse and 24 Off-time Channels
(mT/sec)



Primary Pulse and 24 Off-time Channels
(nT/sec)

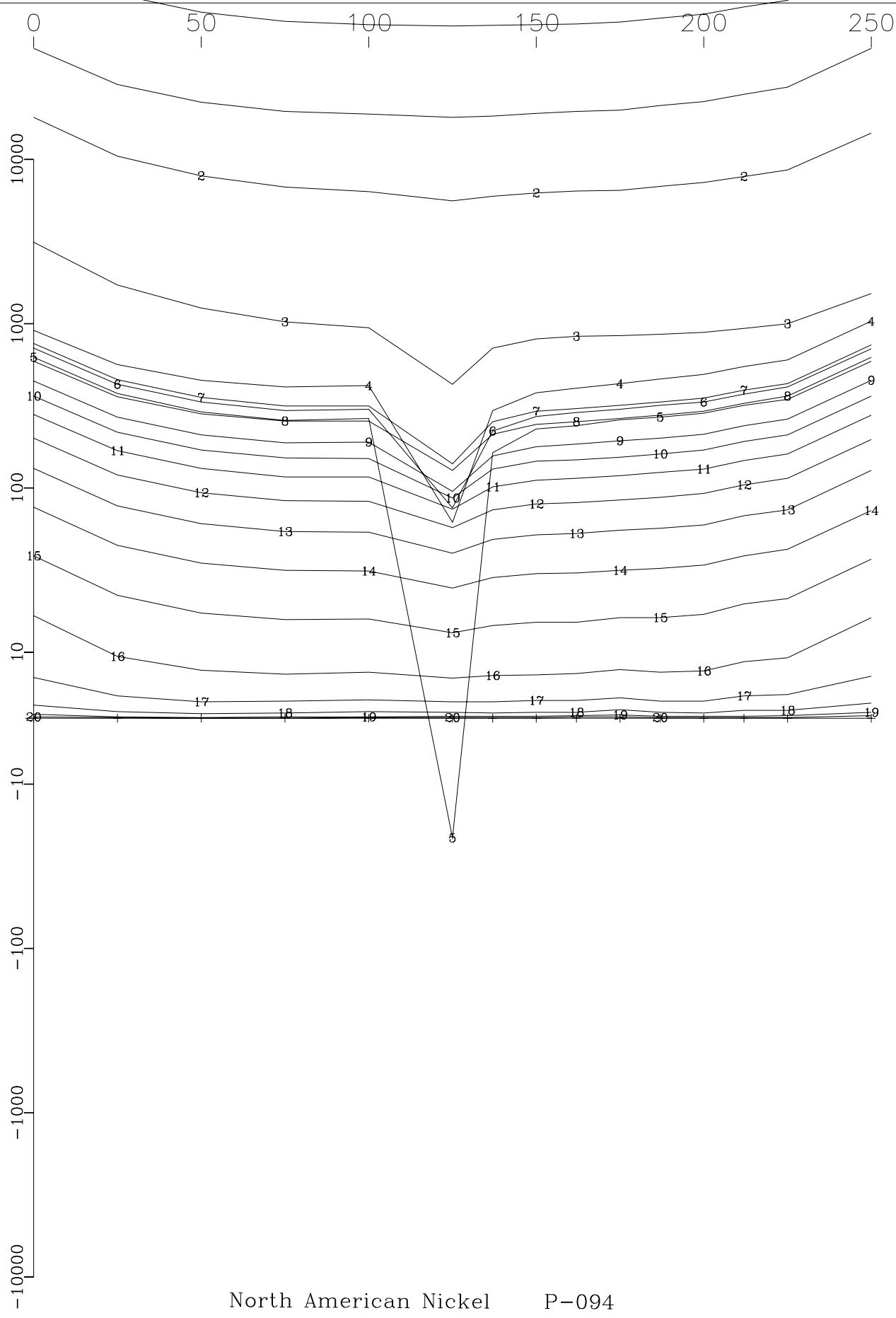


Primary Pulse and 24 Off-time Channels
(mT/sec)



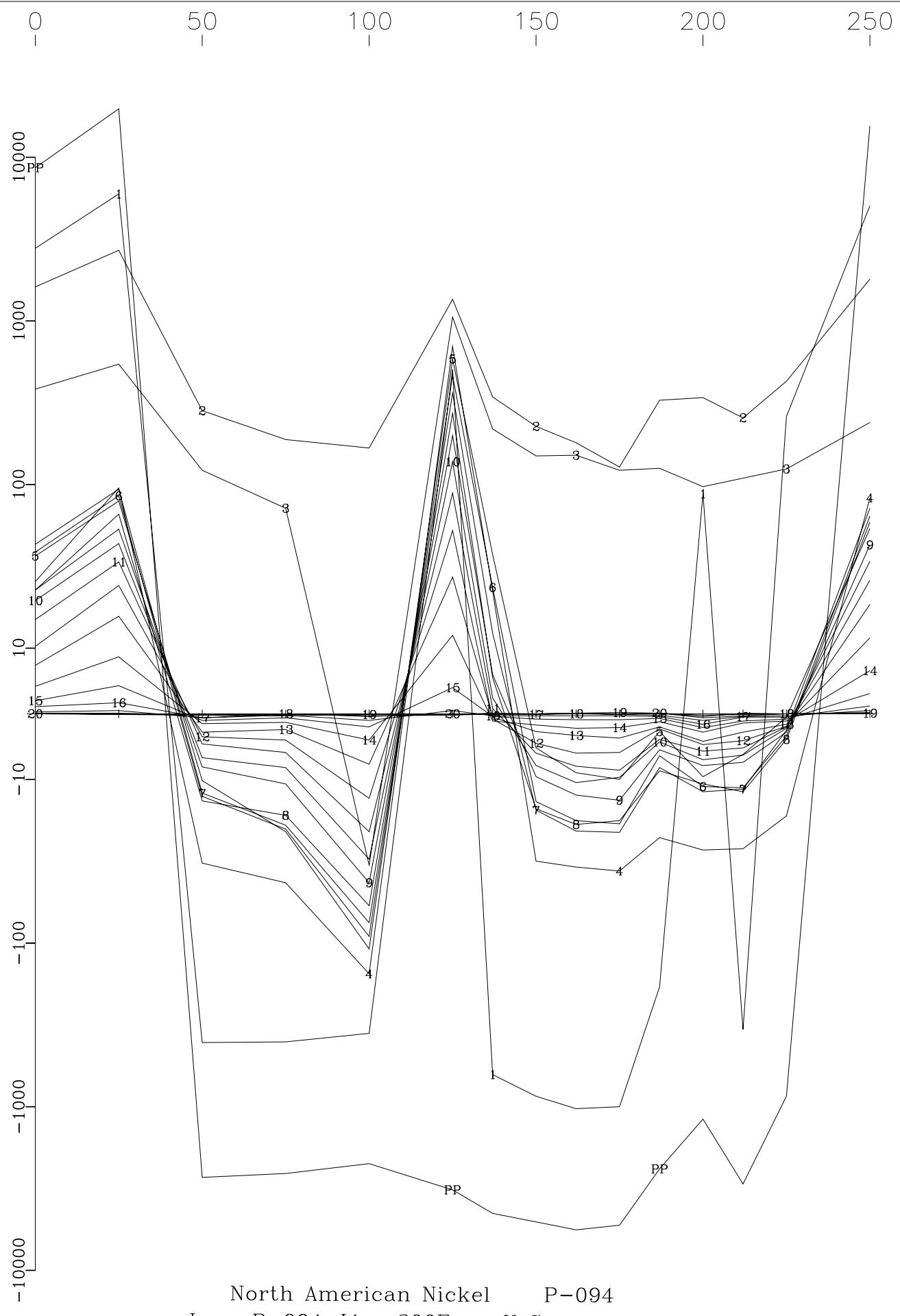
North American Nickel P-049
Loop P-049, Line 1000N X Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 20 Off-time Channels
(nT/sec)



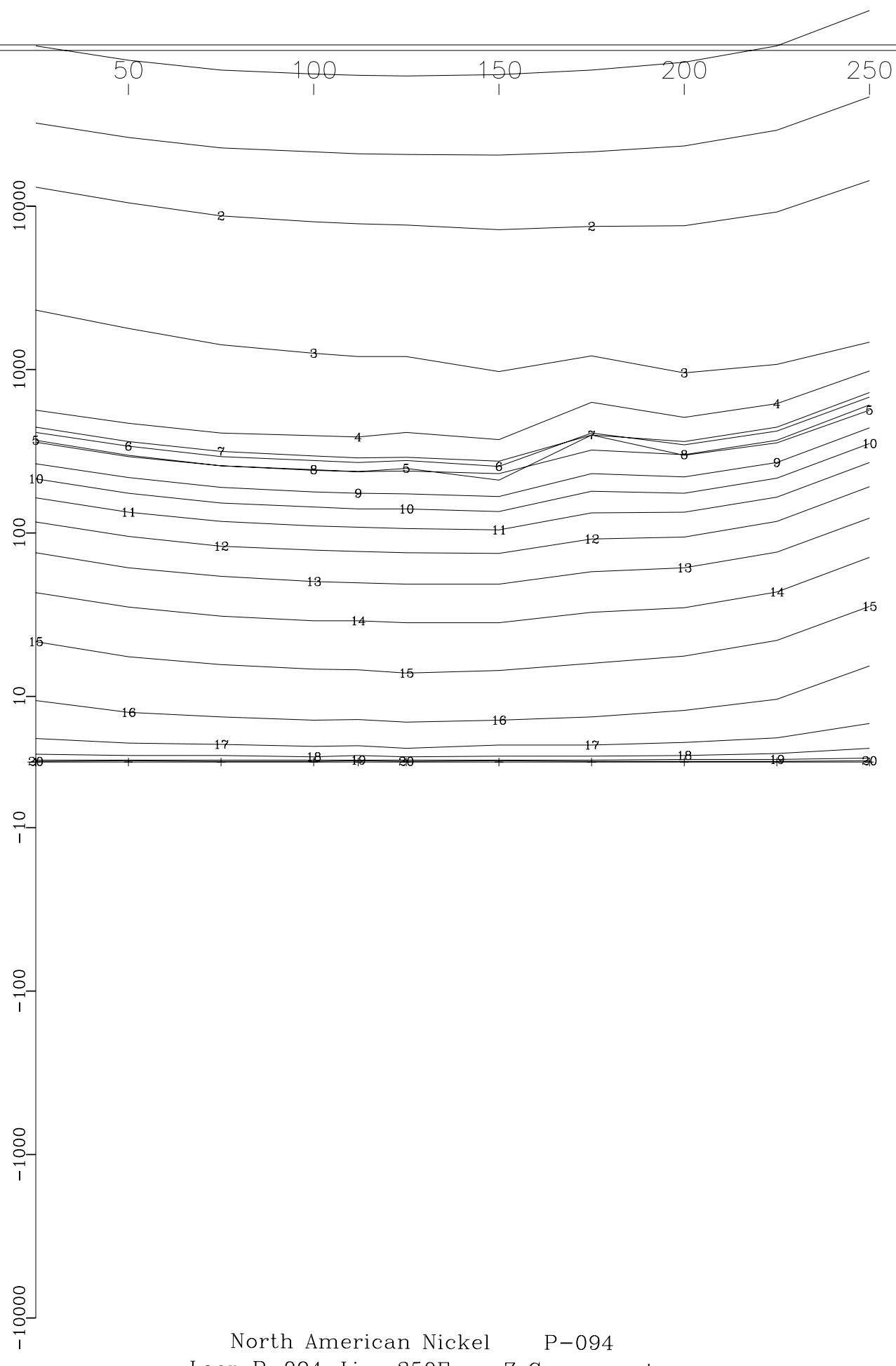
North American Nickel P-094
Loop P-094, Line 300E Z Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 20 Off-time Channels
(mT/sec)

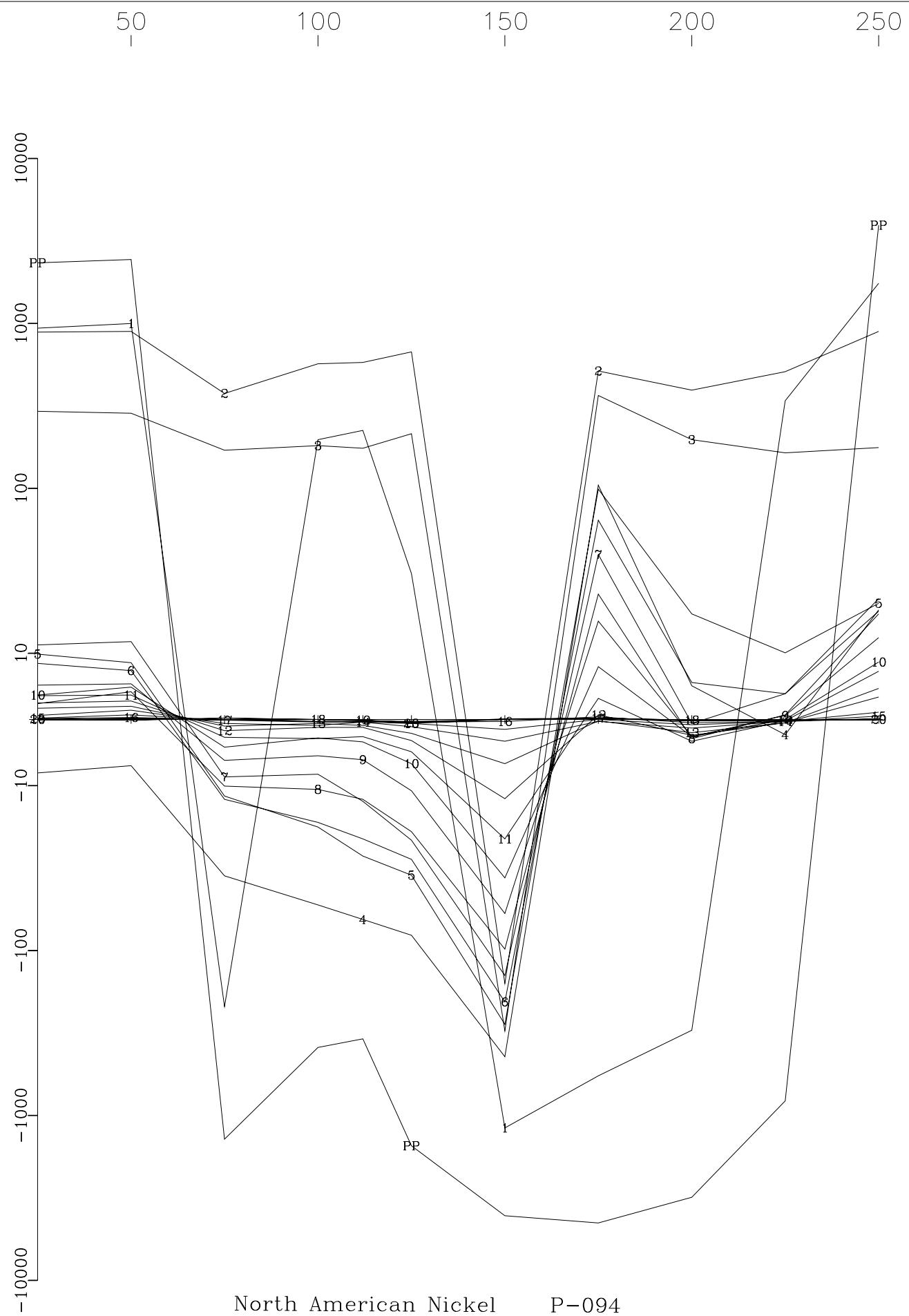


North American Nickel P-094
Loop P-094, Line 300E X Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 20 Off-time Channels
(nT/sec)

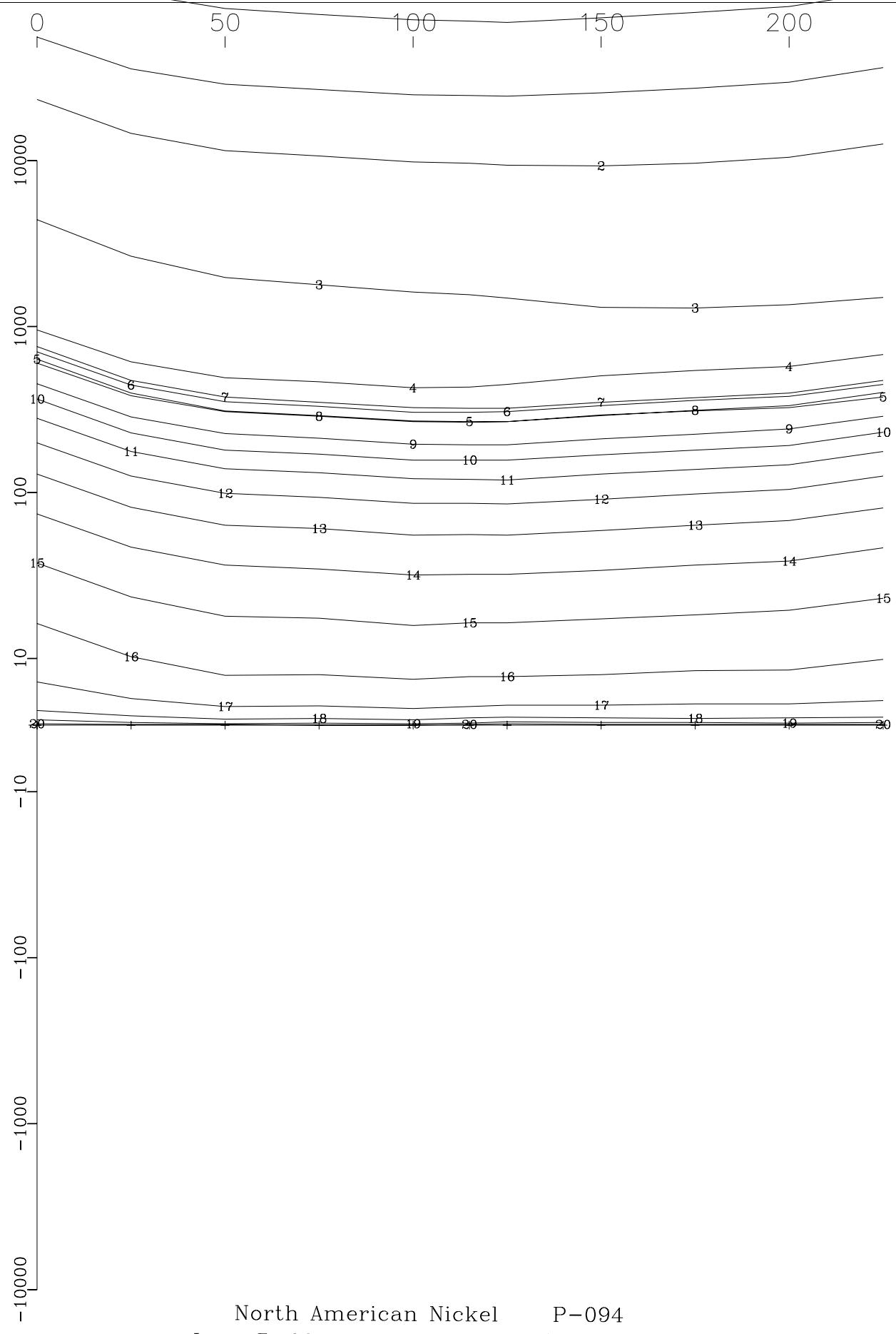


Primary Pulse and 20 Off-time Channels
(mT/sec)



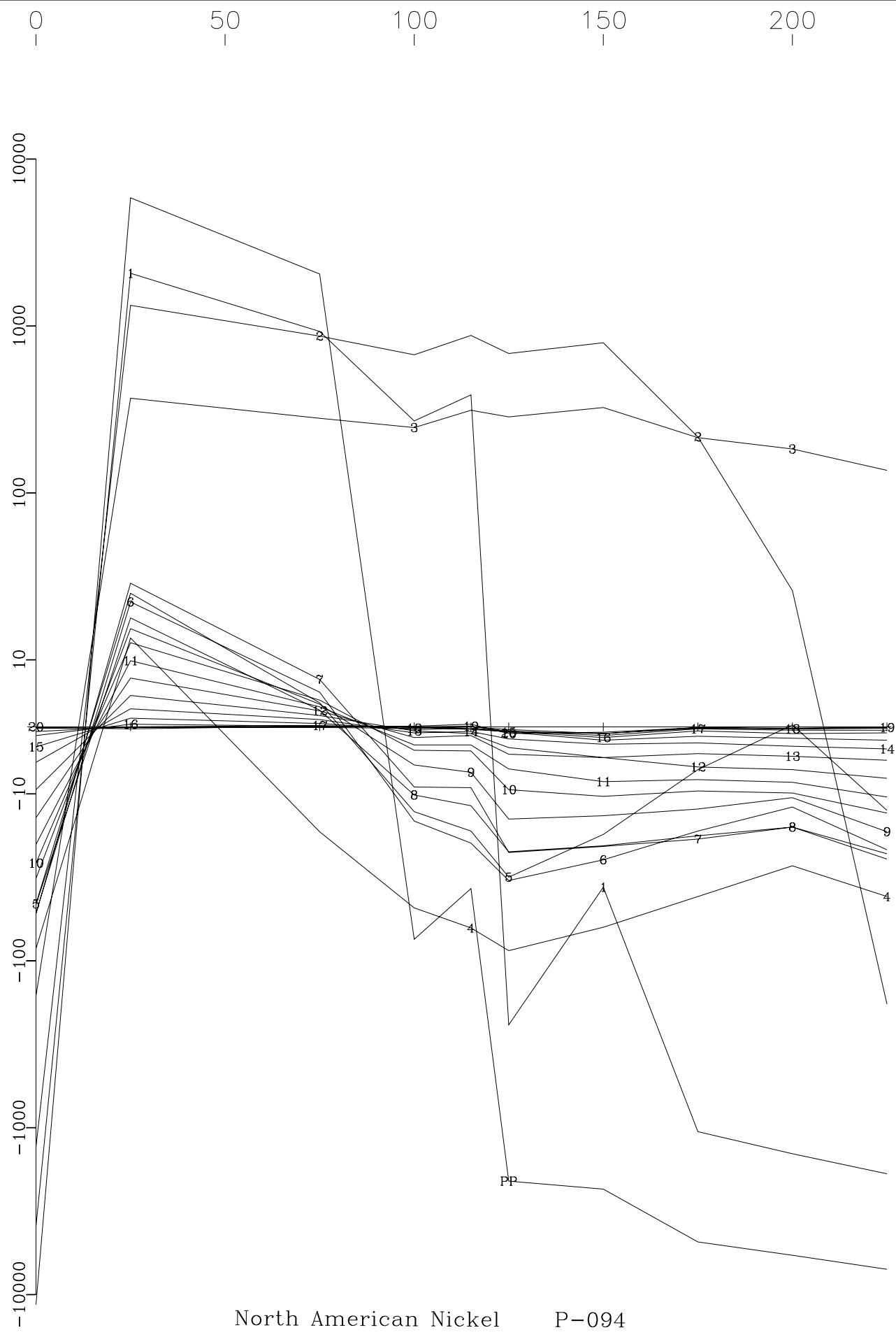
North American Nickel P-094
Loop P-094, Line 350E X Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 20 Off-time Channels
(nT/sec)



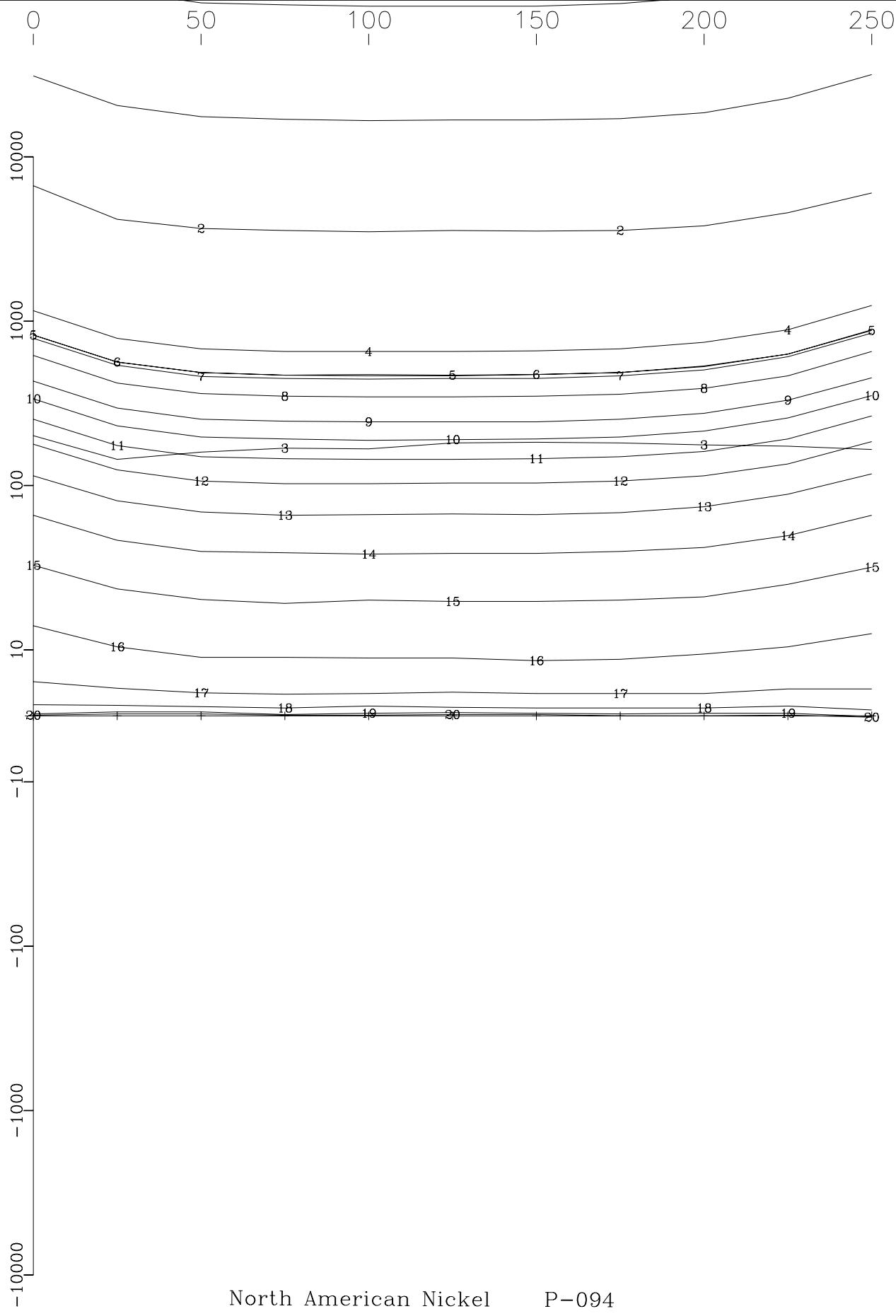
North American Nickel P-094
Loop P-094, Line 400E Z Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 20 Off-time Channels
(mT/sec)



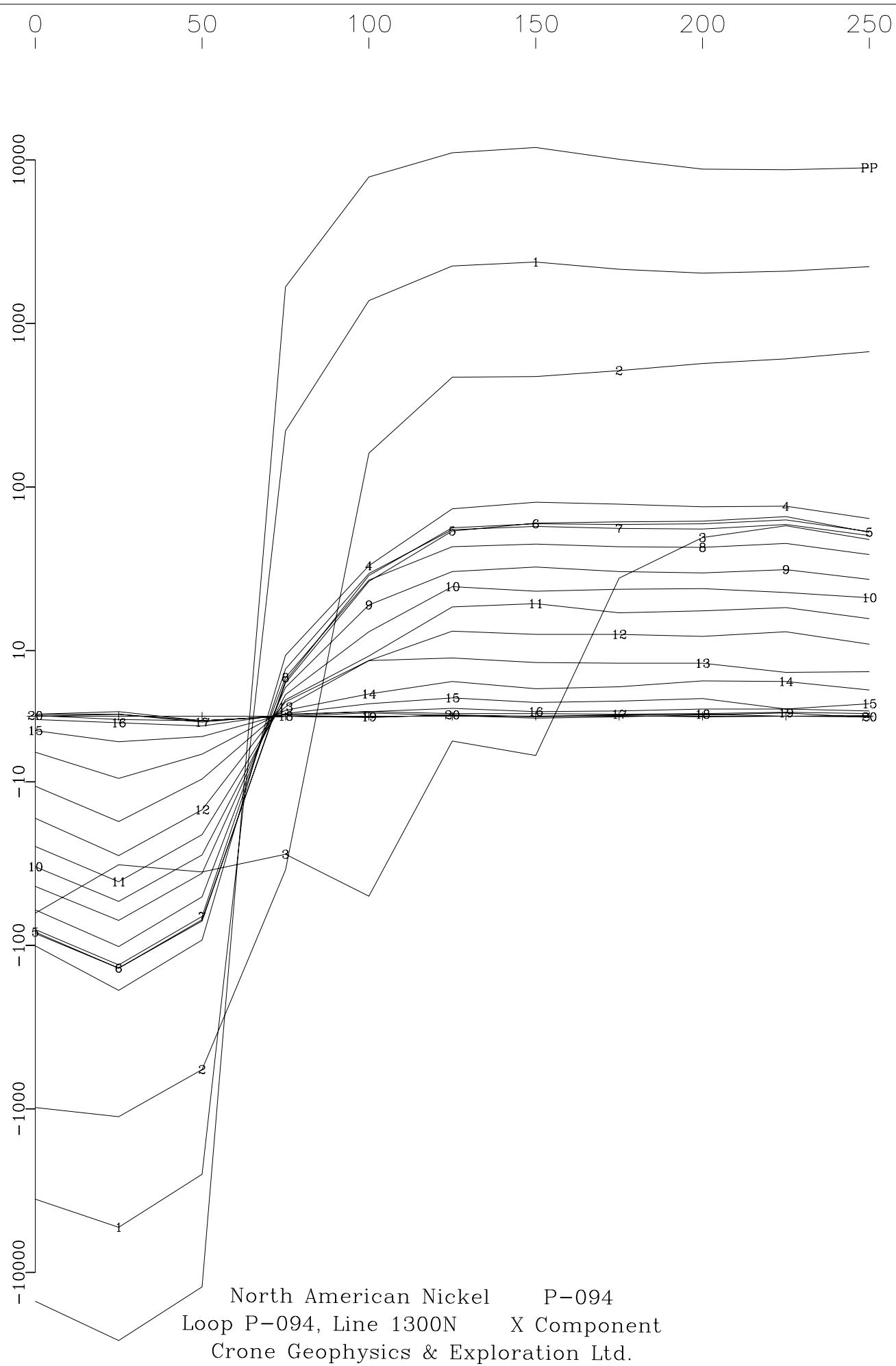
North American Nickel P-094
Loop P-094, Line 400E X Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 20 Off-time Channels
(nT/sec)

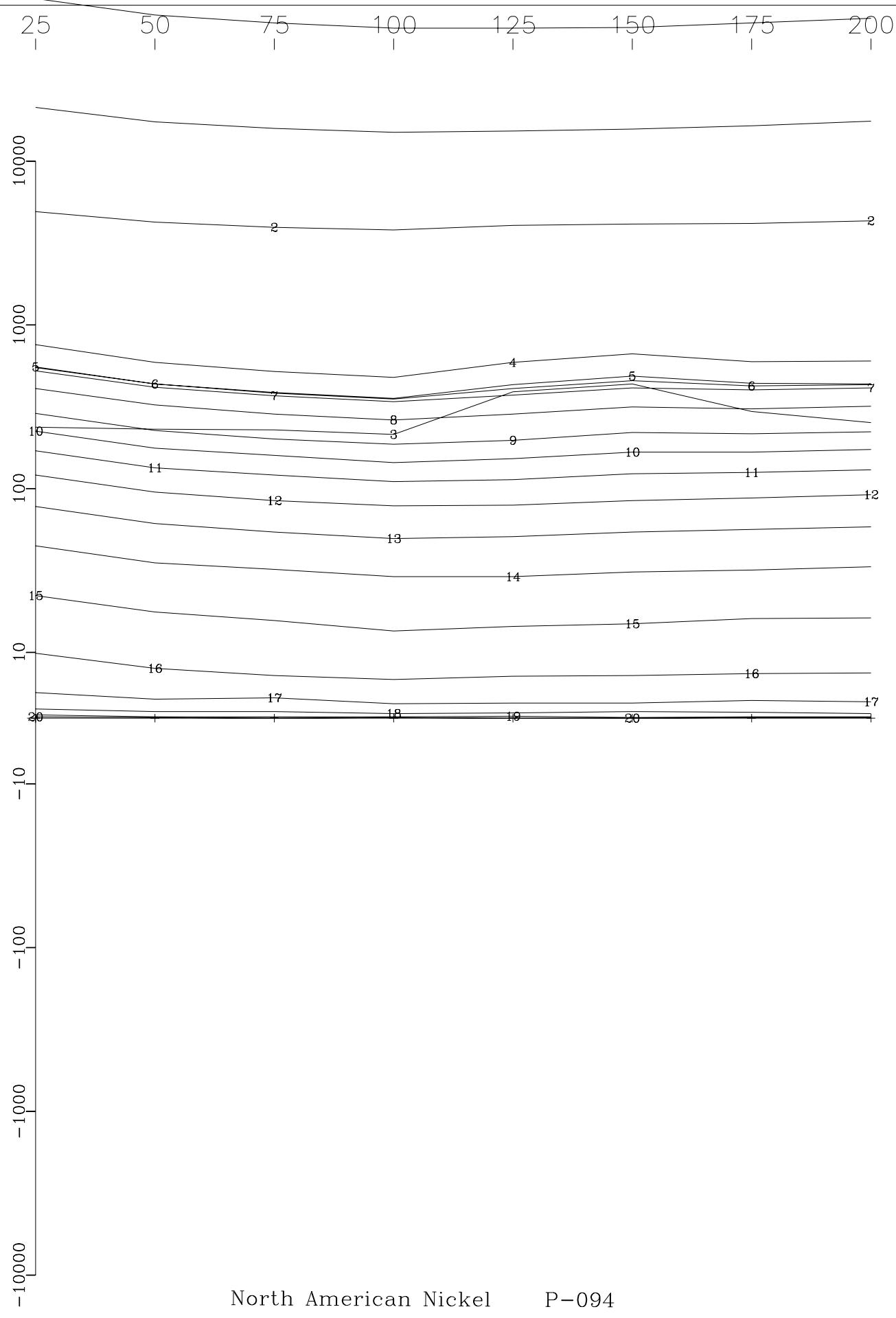


North American Nickel P-094
Loop P-094, Line 1300N Z Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 20 Off-time Channels
(mT/sec)

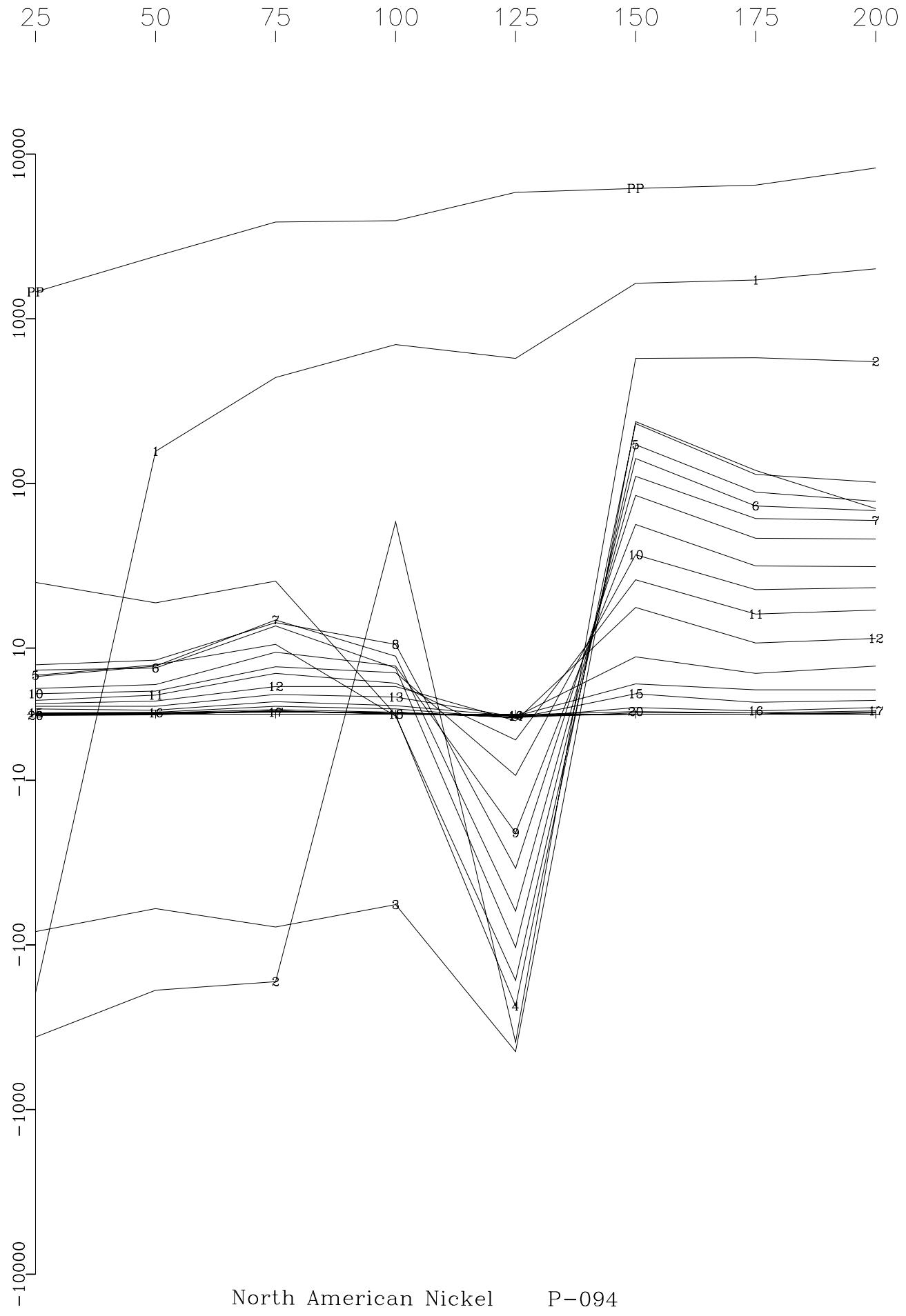


Primary Pulse and 20 Off-time Channels
(nT/sec)

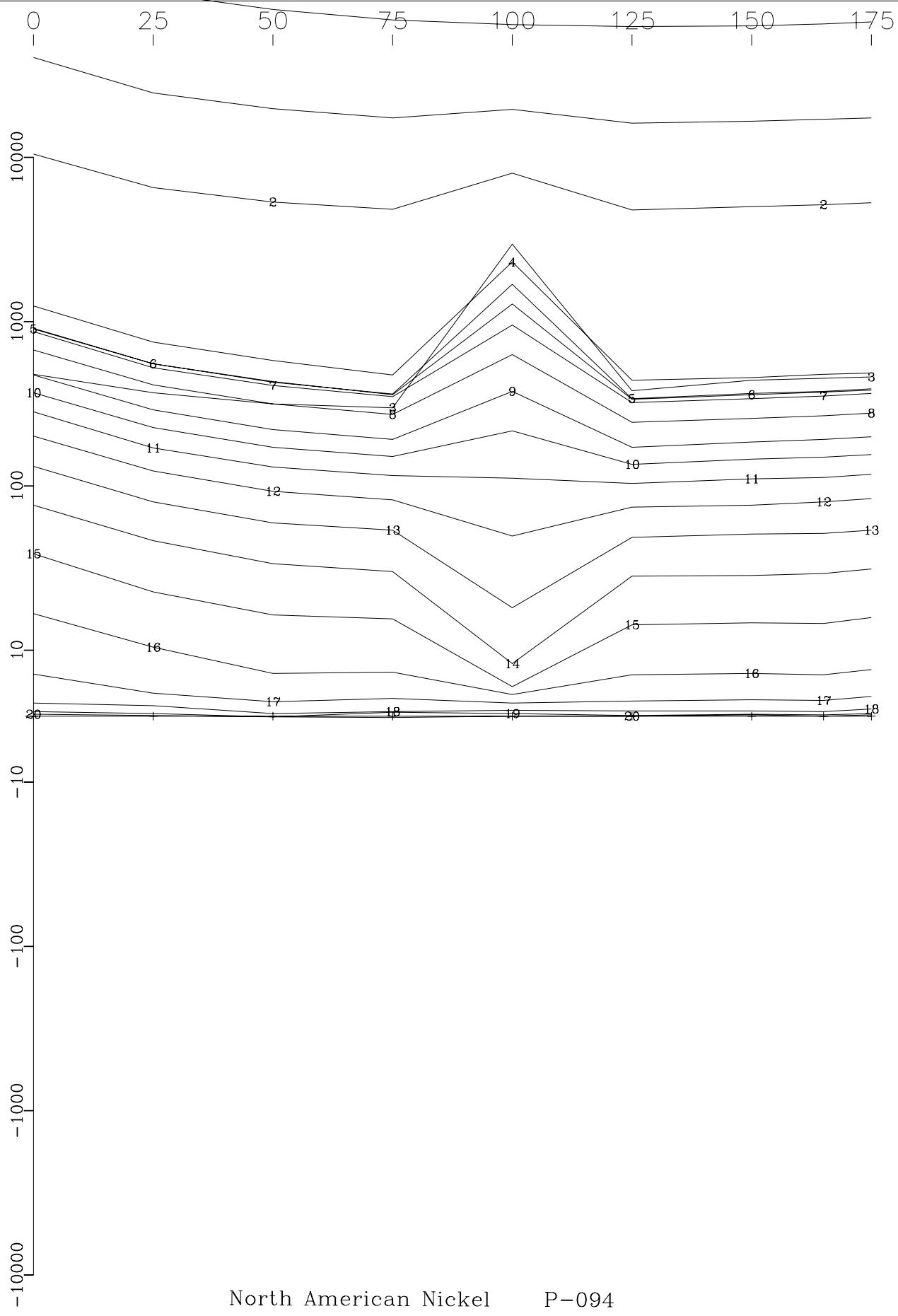


North American Nickel P-094
Loop P-094, Line 1350N Z Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 20 Off-time Channels
(mT/sec)

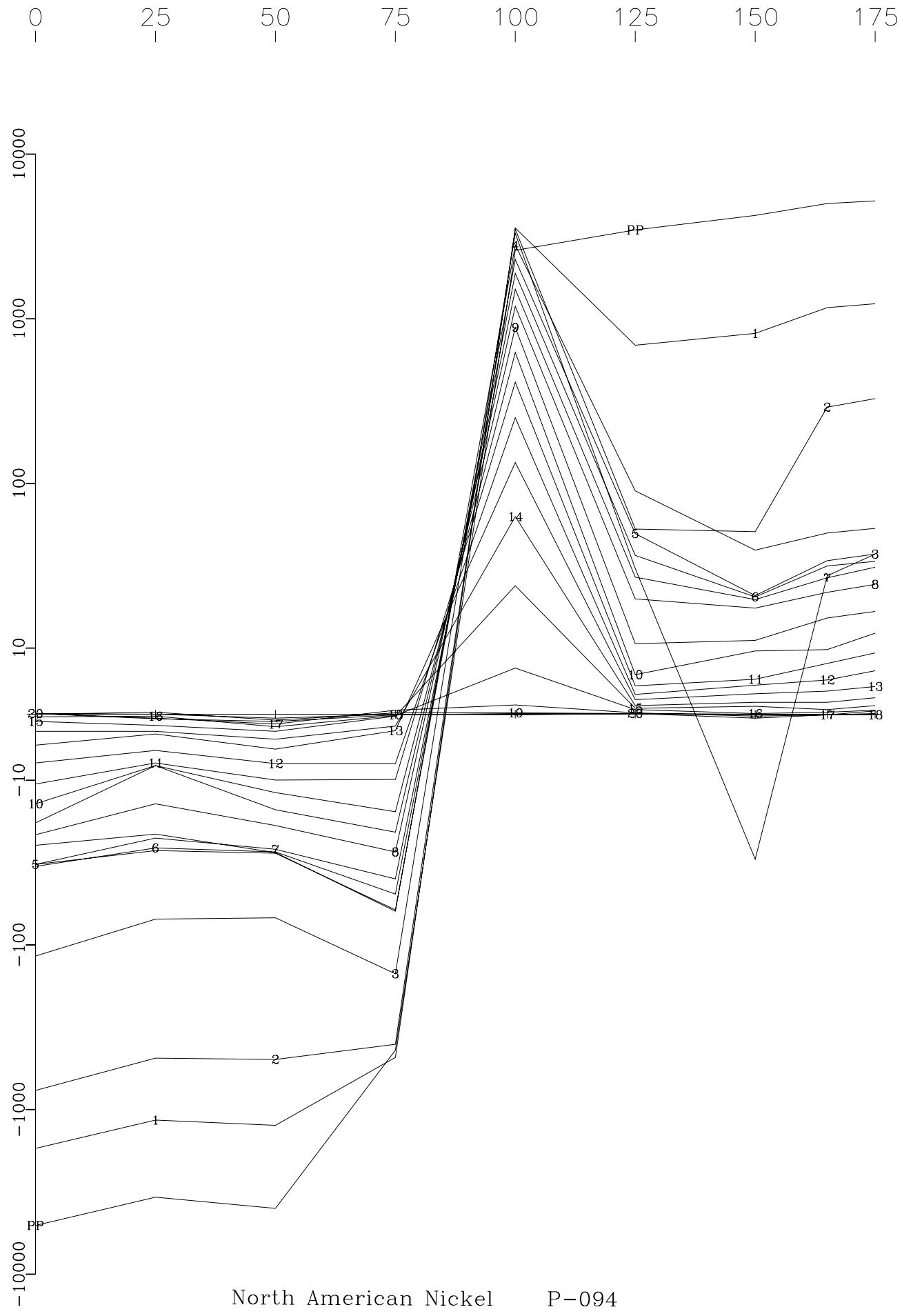


Primary Pulse and 20 Off-time Channels
(nT/sec)



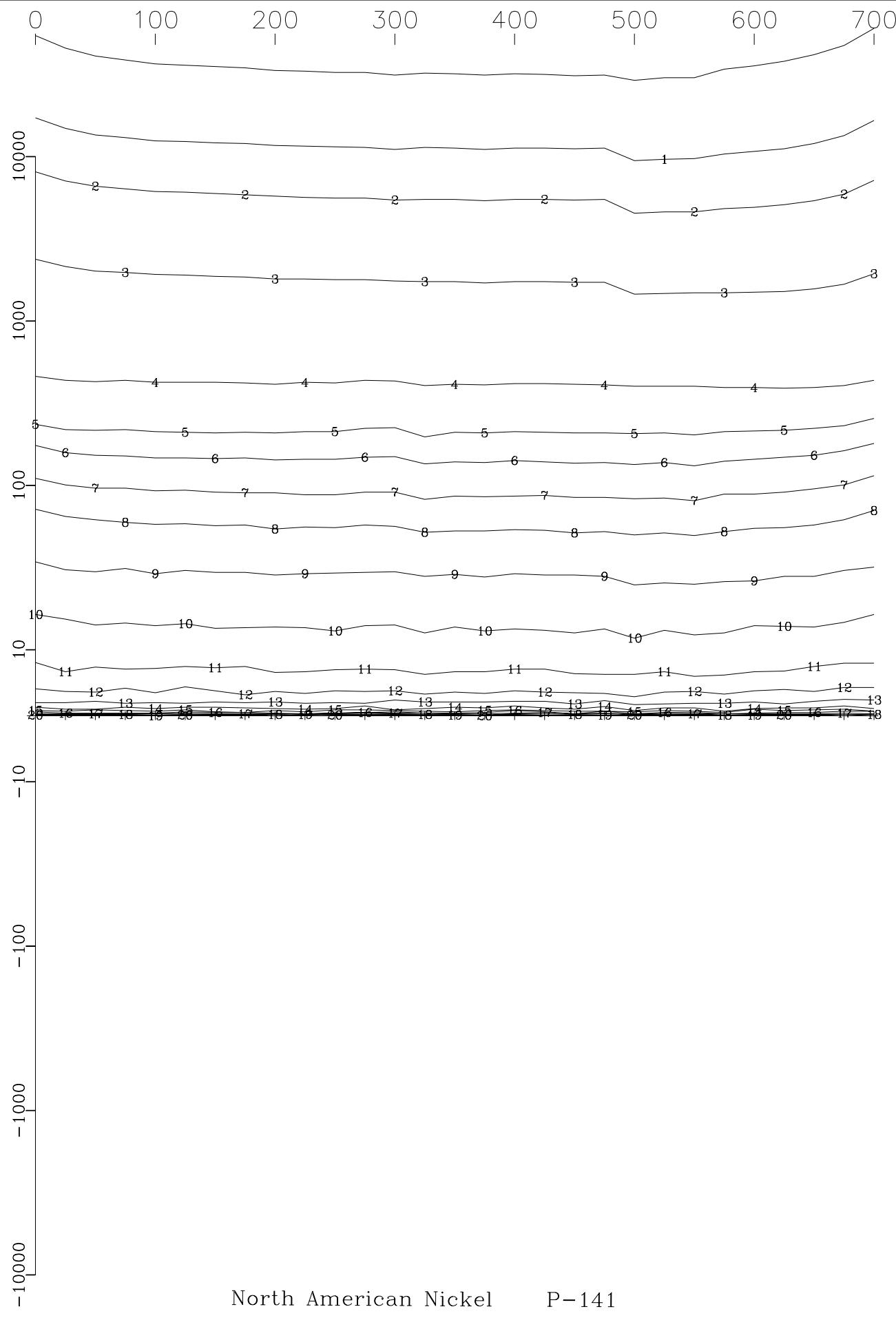
North American Nickel P-094
Loop P-094, Line 1400N Z Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 20 Off-time Channels
(mT/sec)



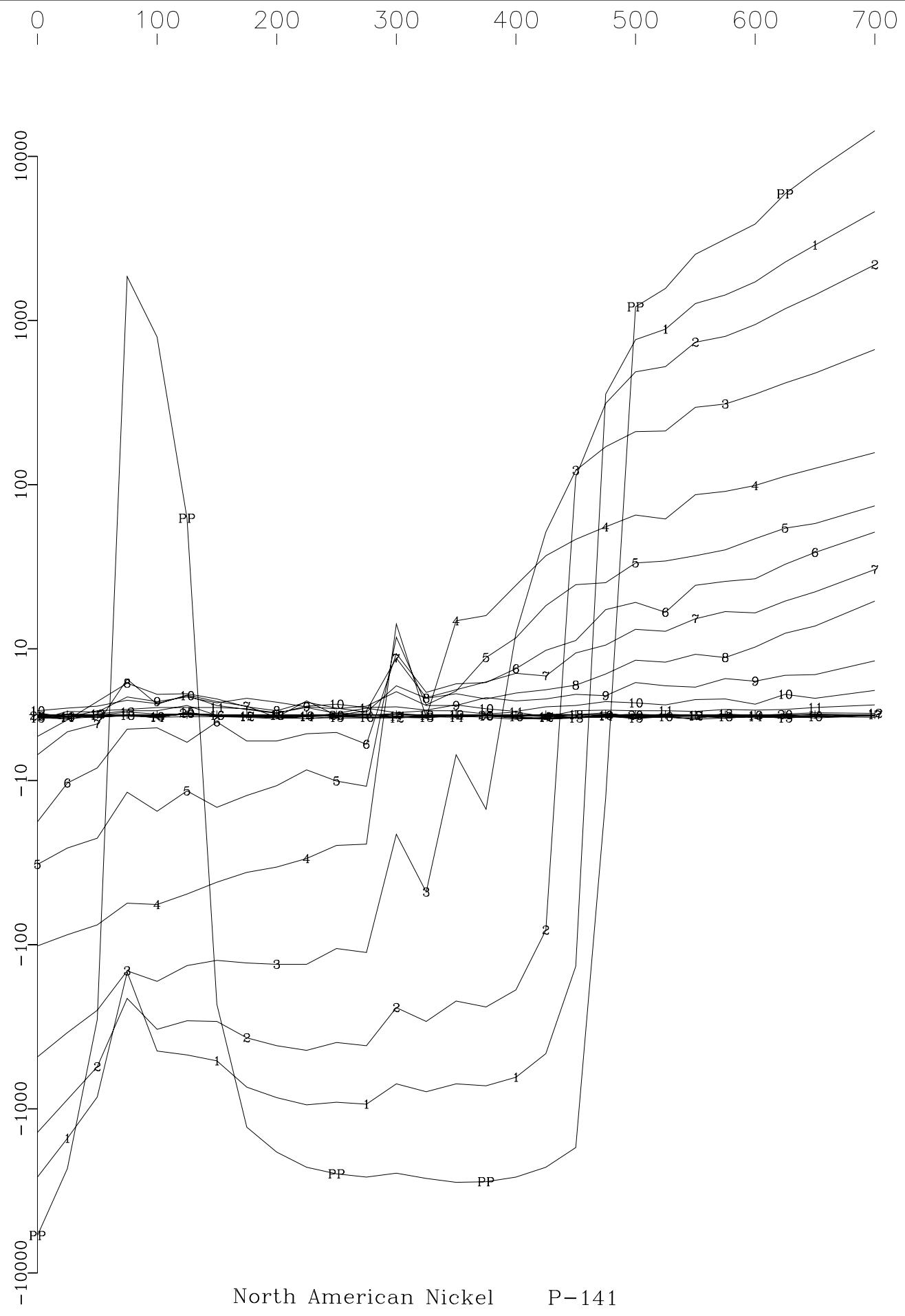
North American Nickel P-094
Loop P-094, Line 1400N X Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 20 Off-time Channels
(mT/sec)



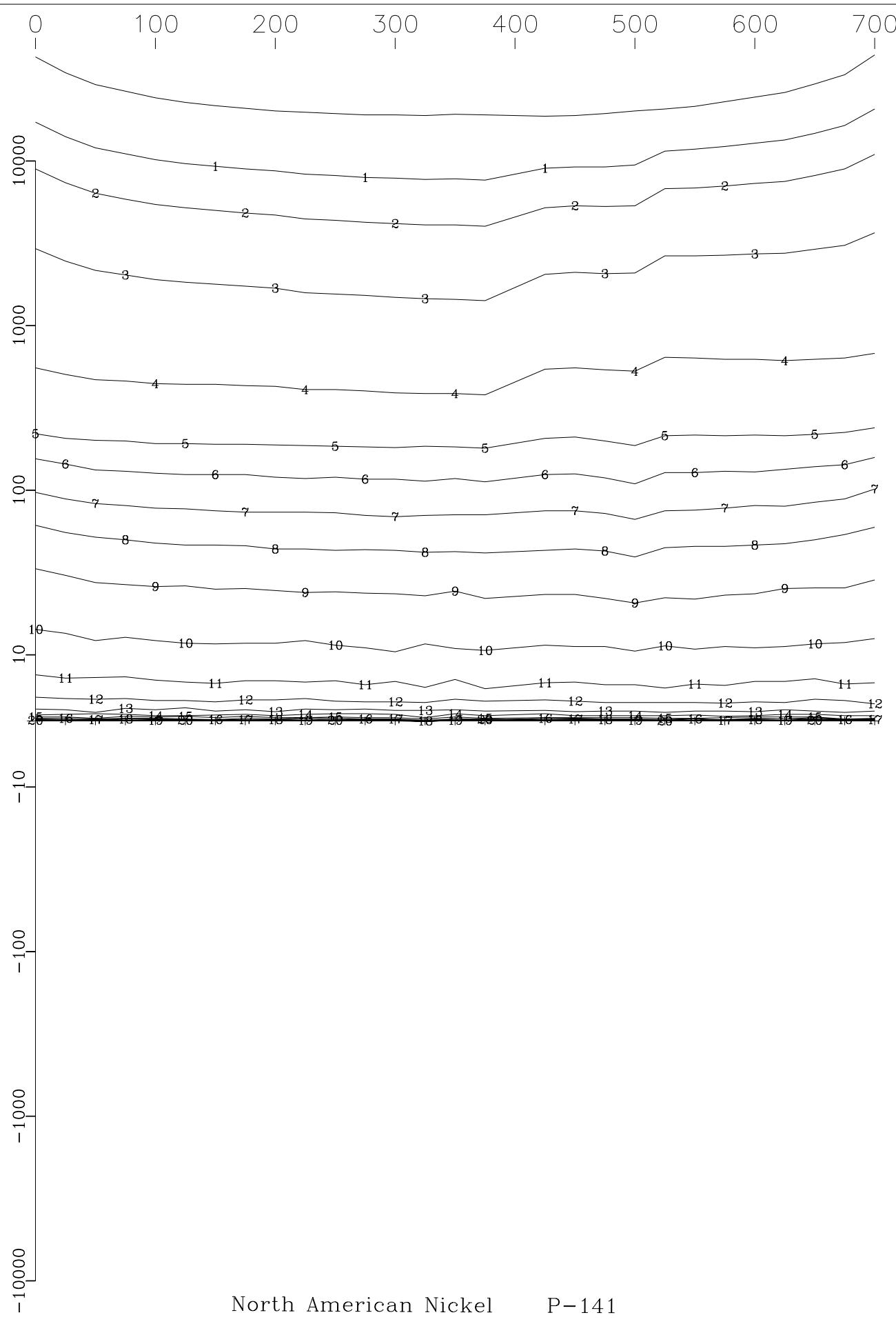
North American Nickel P-141
Loop P-141, Line 100E Z Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 20 Off-time Channels
(nT/sec)

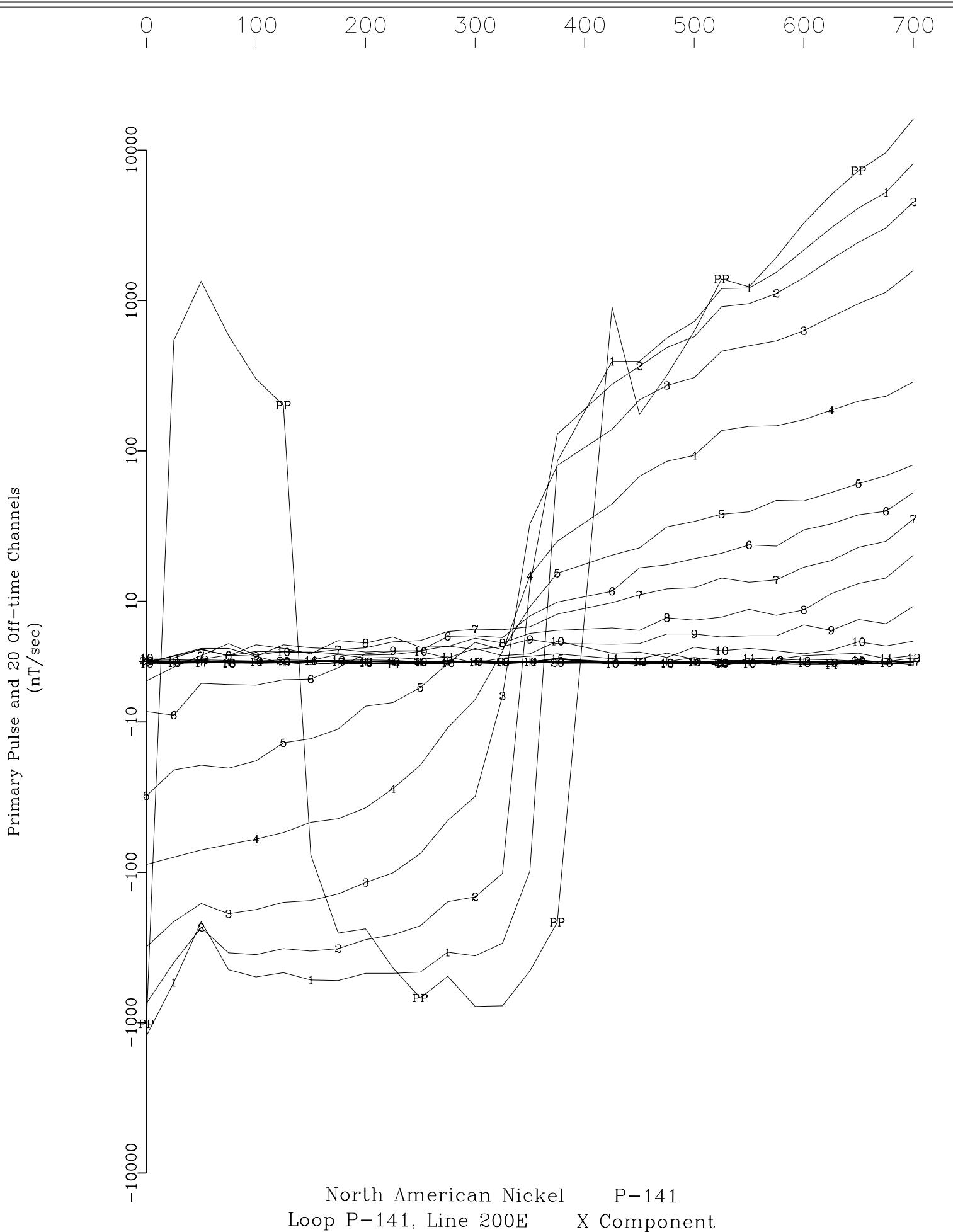


North American Nickel P-141
Loop P-141, Line 100E X Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 20 Off-time Channels
(mT/sec)

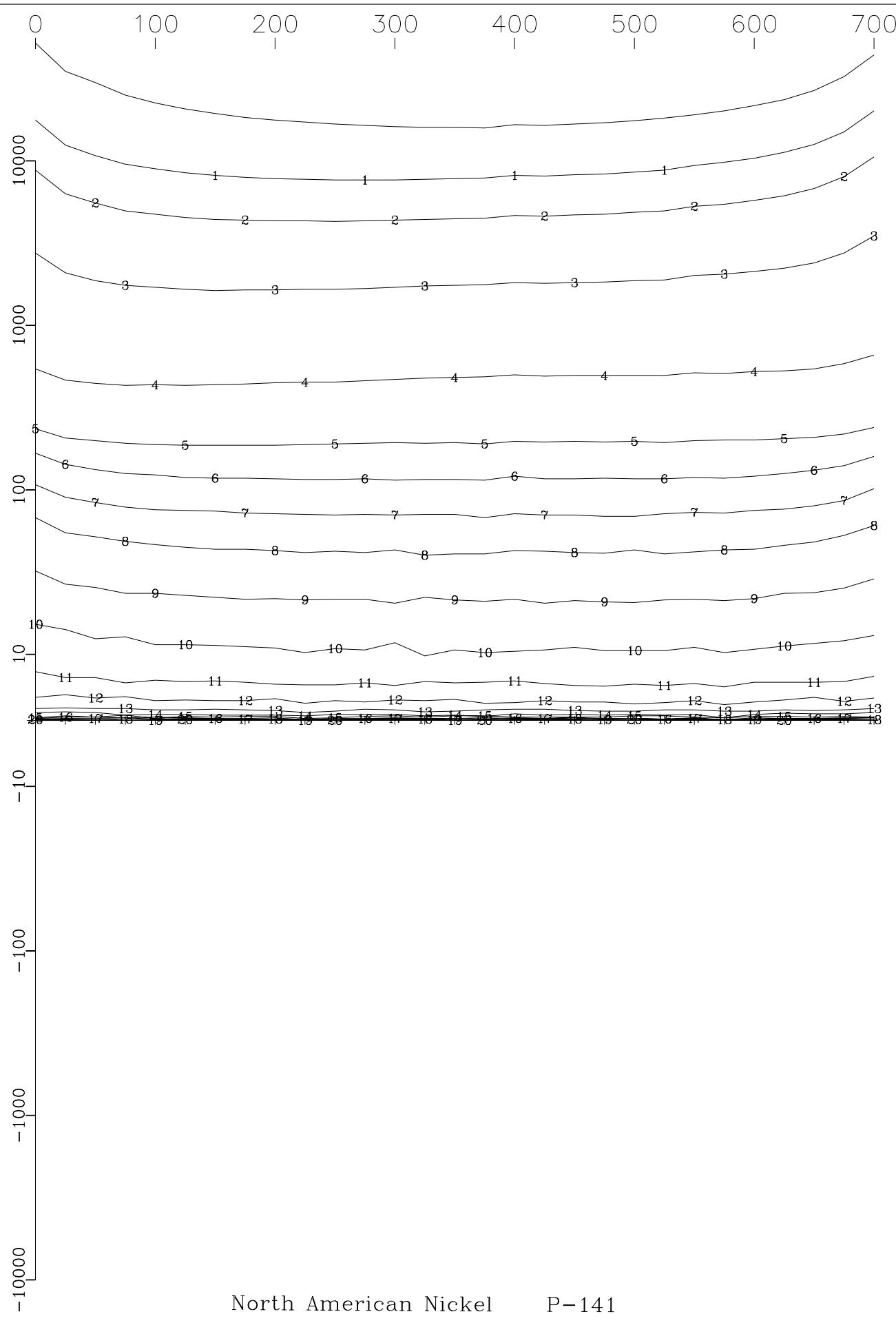


North American Nickel P-141
Loop P-141, Line 200E Z Component
Crone Geophysics & Exploration Ltd.

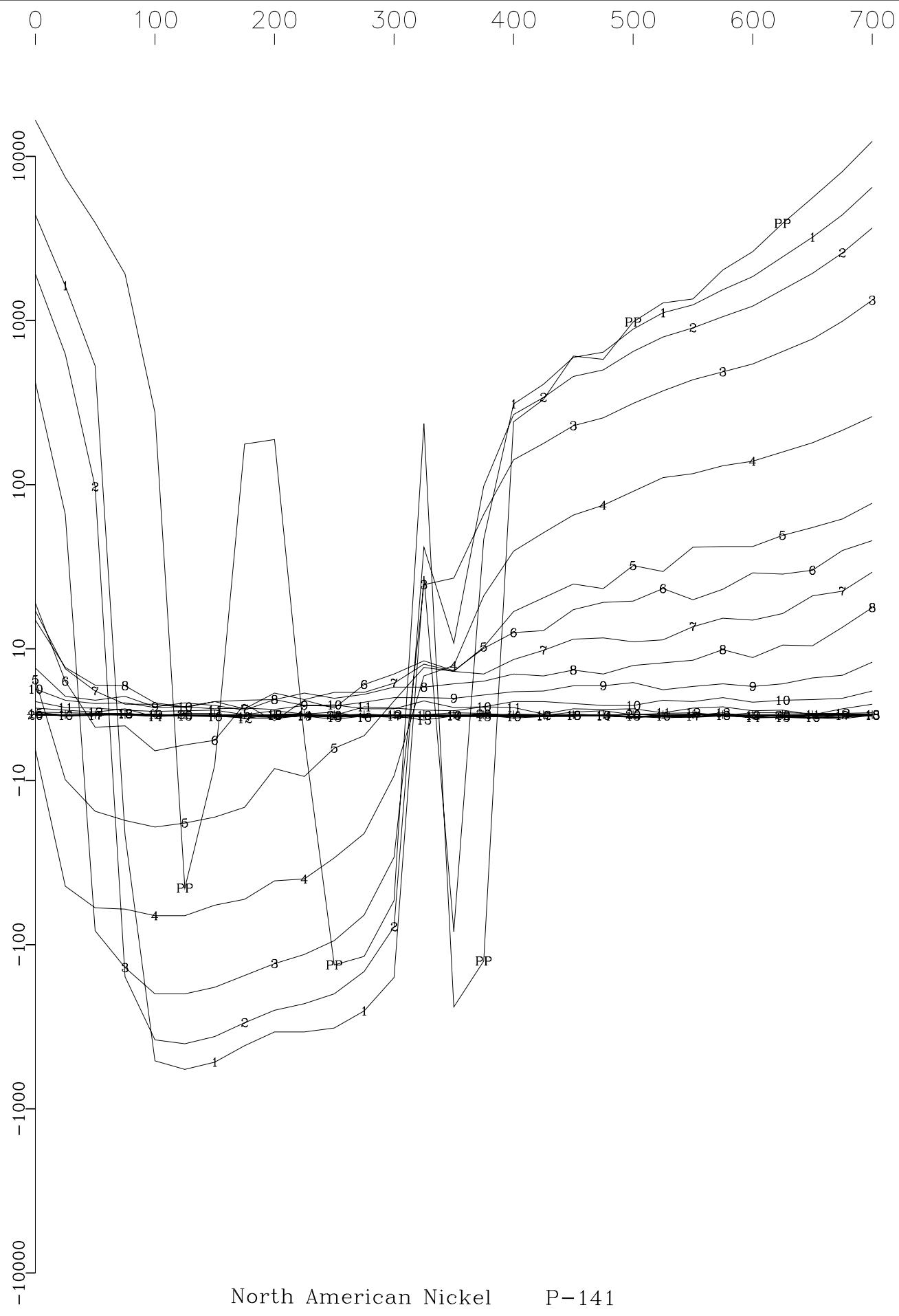


North American Nickel P-141
Loop P-141, Line 200E X Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 20 Off-time Channels
(mT/sec)

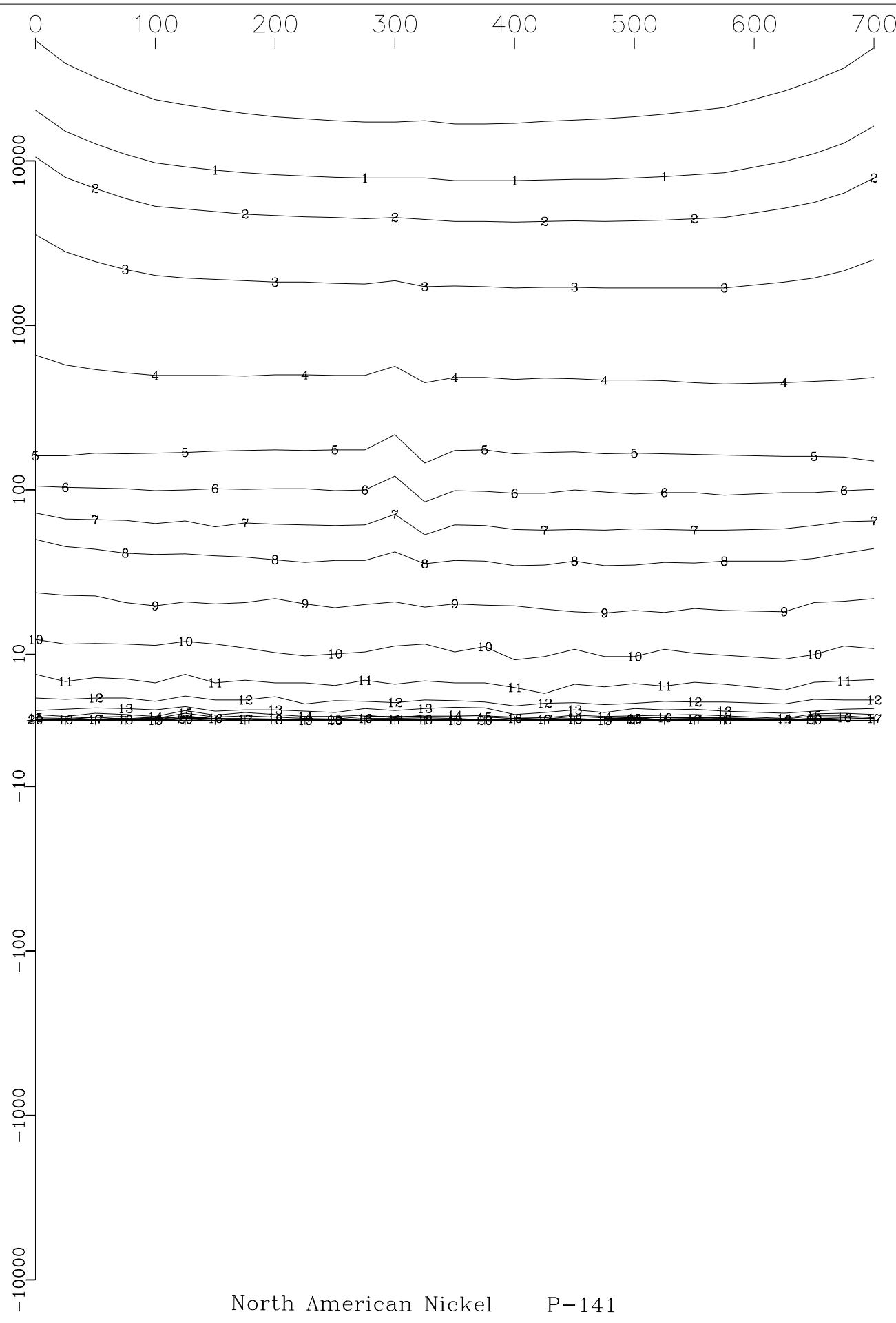


Primary Pulse and 20 Off-time Channels
(mT/sec)

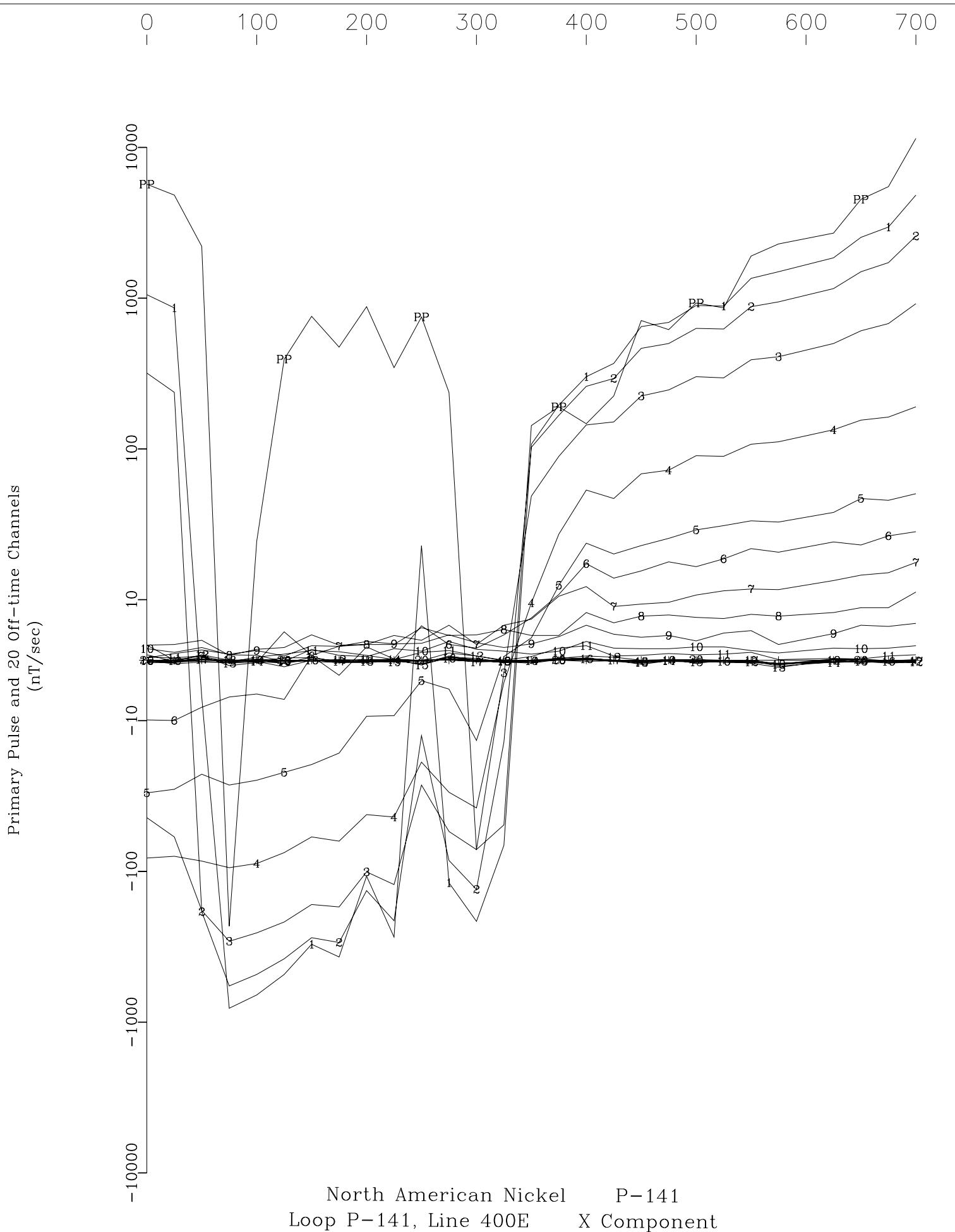


North American Nickel P-141
Loop P-141, Line 300E X Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 20 Off-time Channels
(mT/sec)

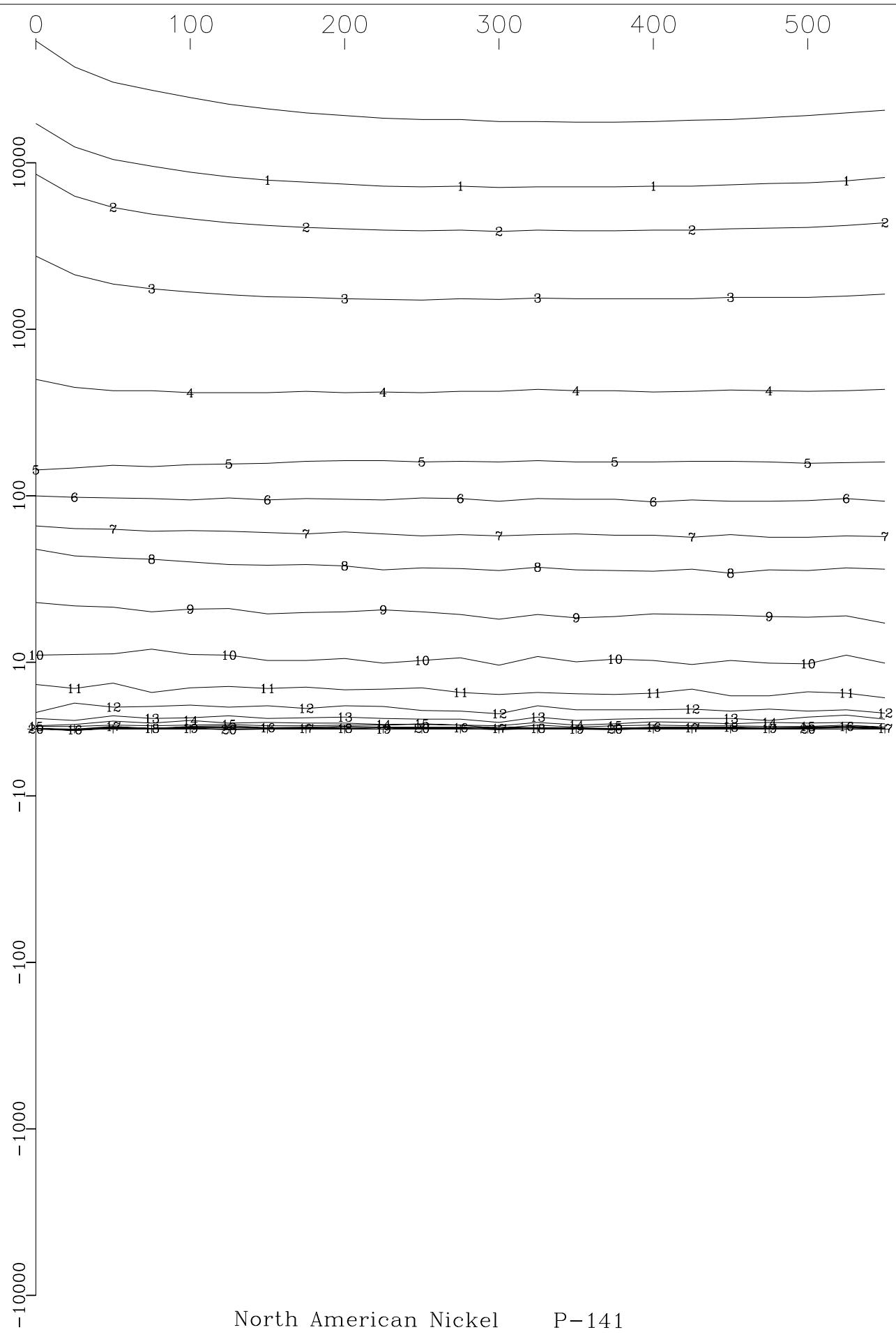


North American Nickel P-141
Loop P-141, Line 400E Z Component
Crone Geophysics & Exploration Ltd.



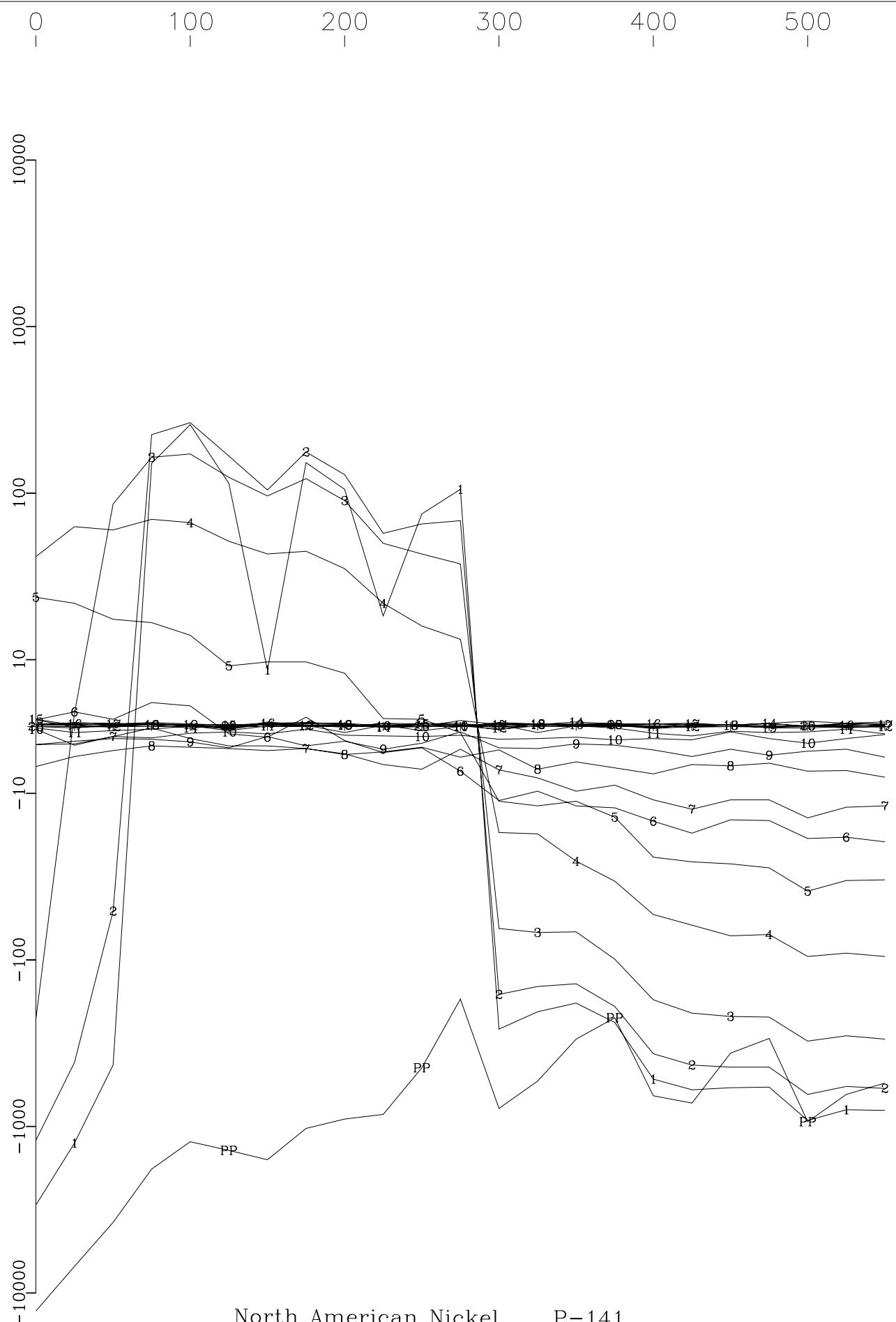
North American Nickel P-141
Loop P-141, Line 400E X Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 20 Off-time Channels
(mT/sec)



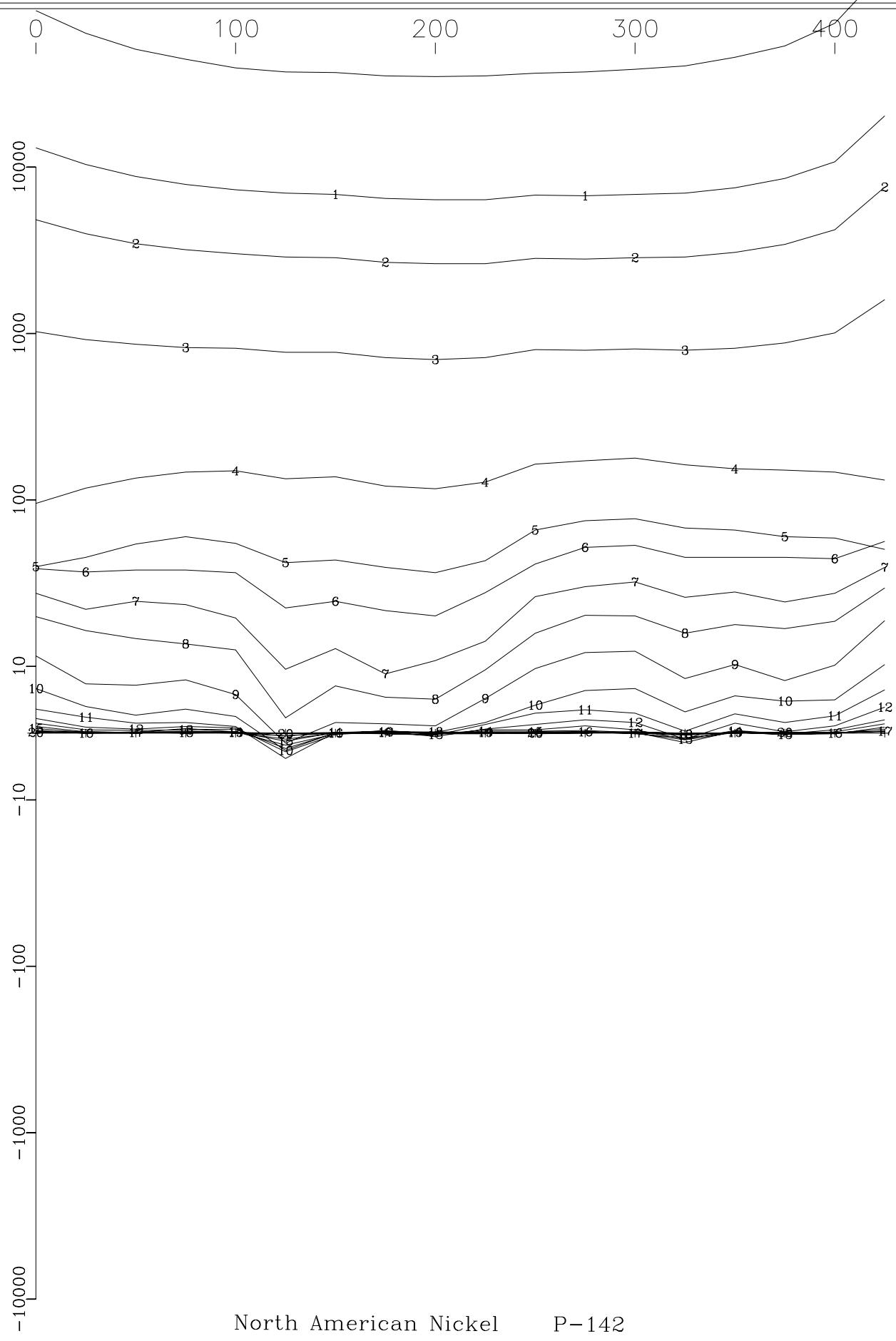
North American Nickel P-141
Loop P-141, Line 500E Z Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 20 Off-time Channels
(mT/sec)

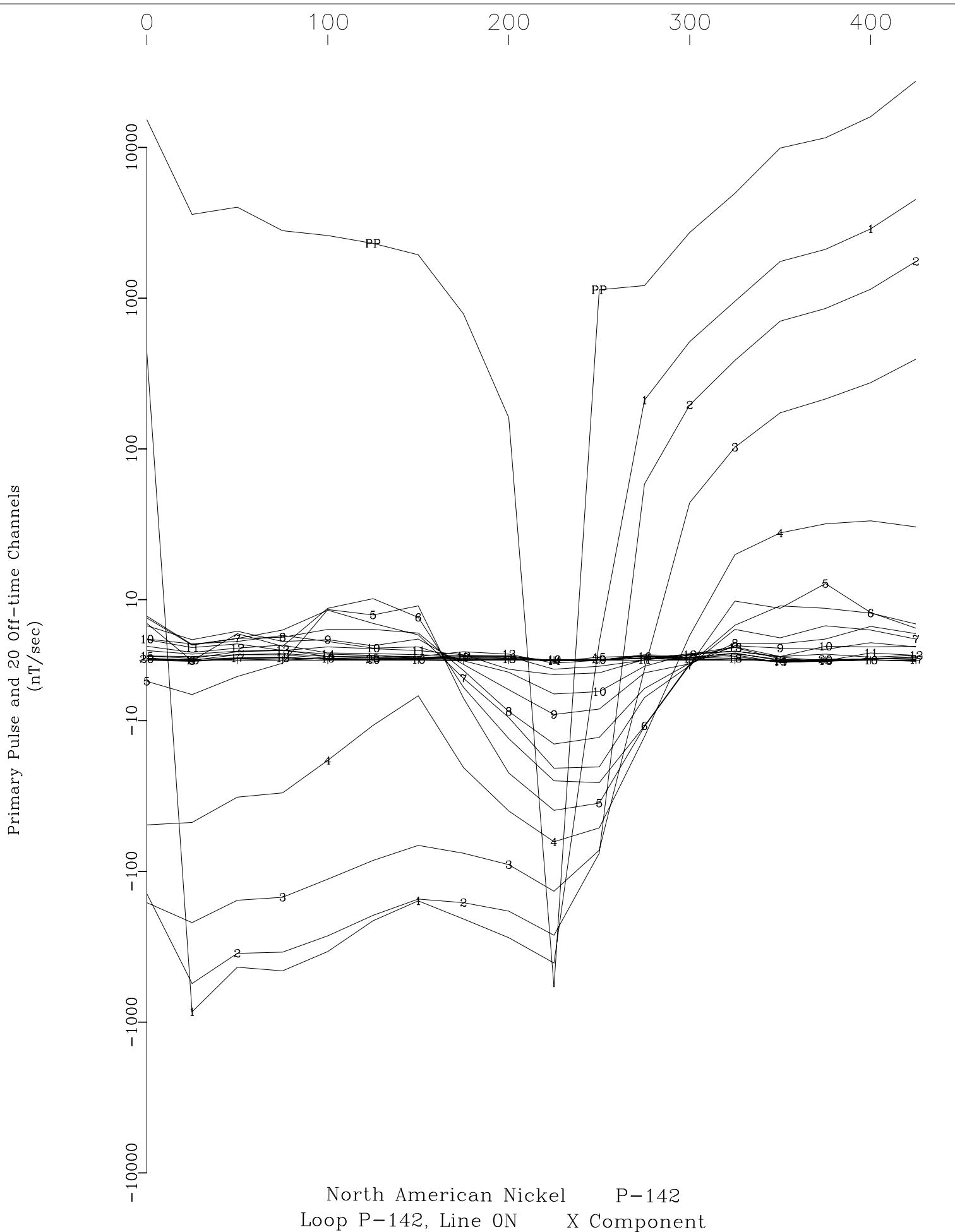


North American Nickel P-141
Loop P-141, Line 500E X Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 20 Off-time Channels
(nT/sec)

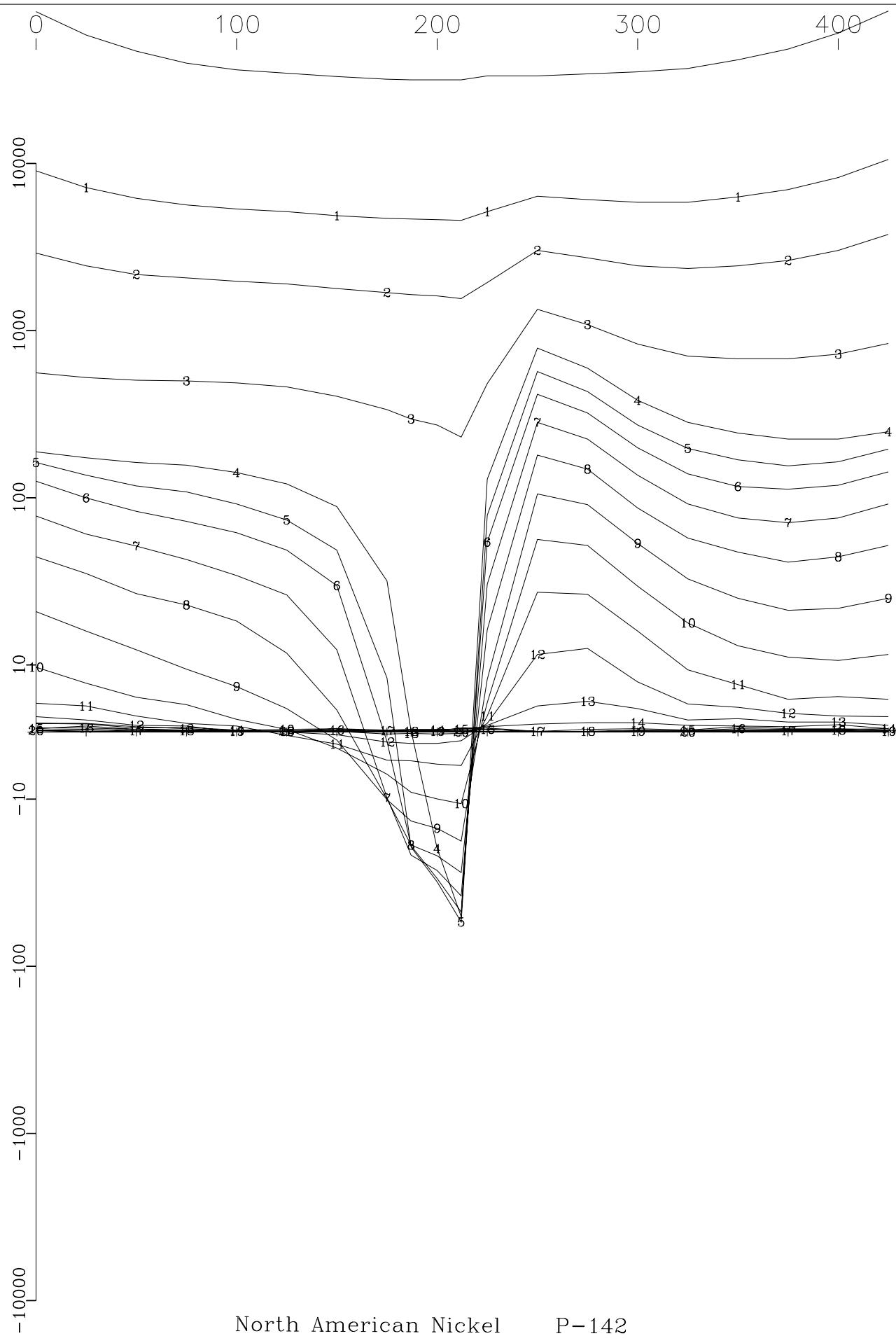


North American Nickel P-142
Loop P-142, Line 0N Z Component
Crone Geophysics & Exploration Ltd.



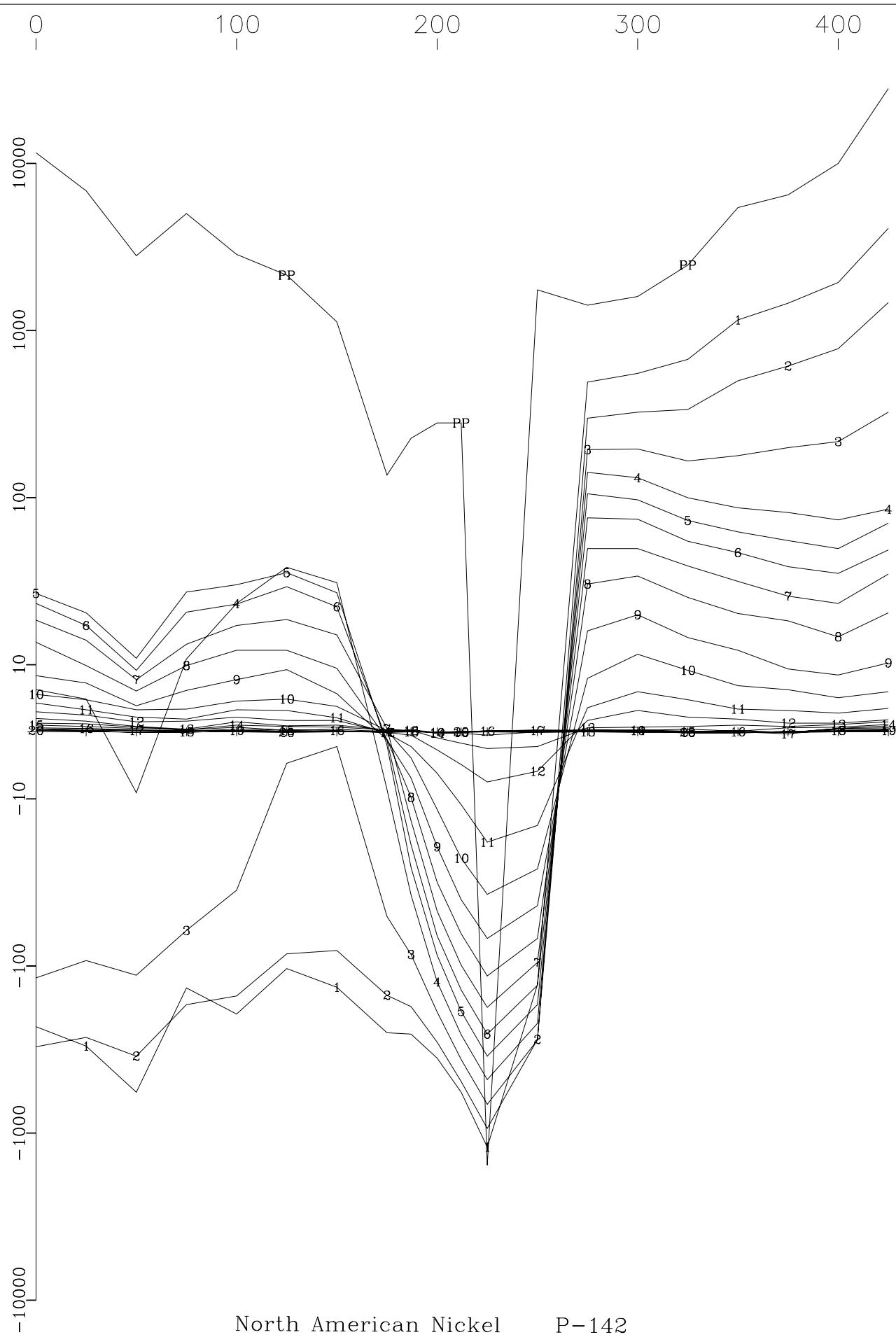
North American Nickel P-142
Loop P-142, Line 0N X Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 20 Off-time Channels
(mT/sec)



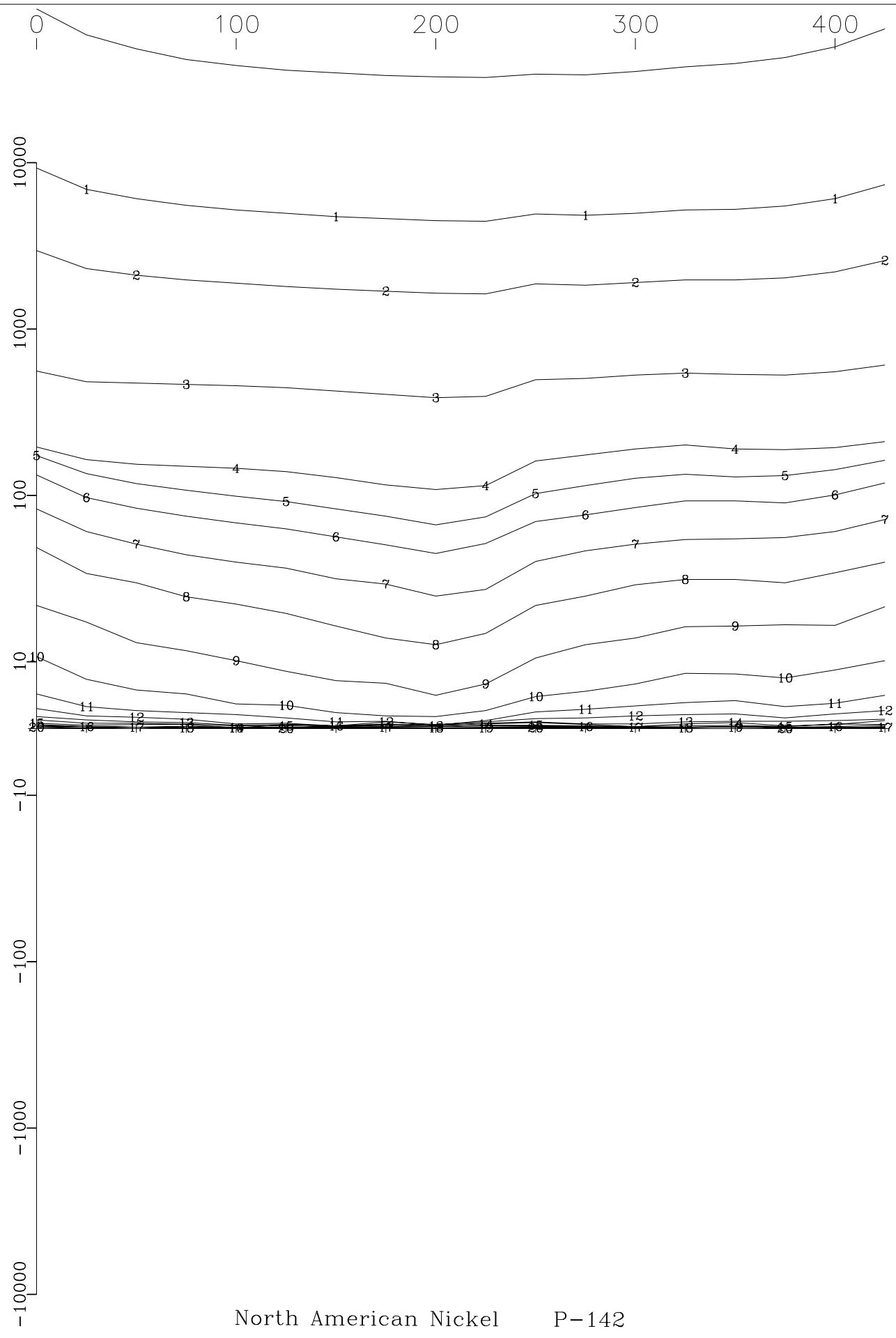
North American Nickel P-142
Loop P-142, Line 100N Z Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 20 Off-time Channels
(mT/sec)

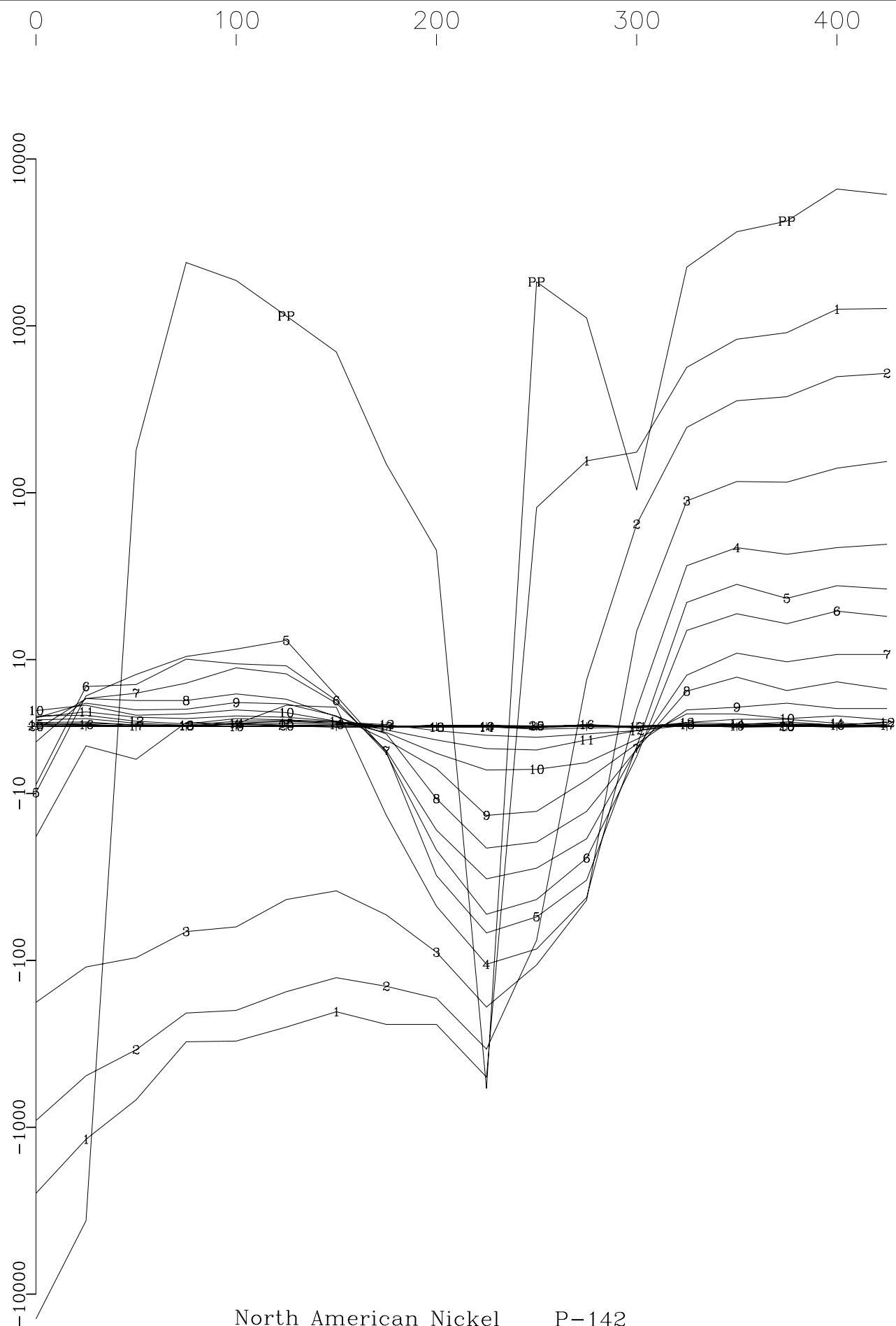


North American Nickel P-142
Loop P-142, Line 100N X Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 20 Off-time Channels
(mT/sec)

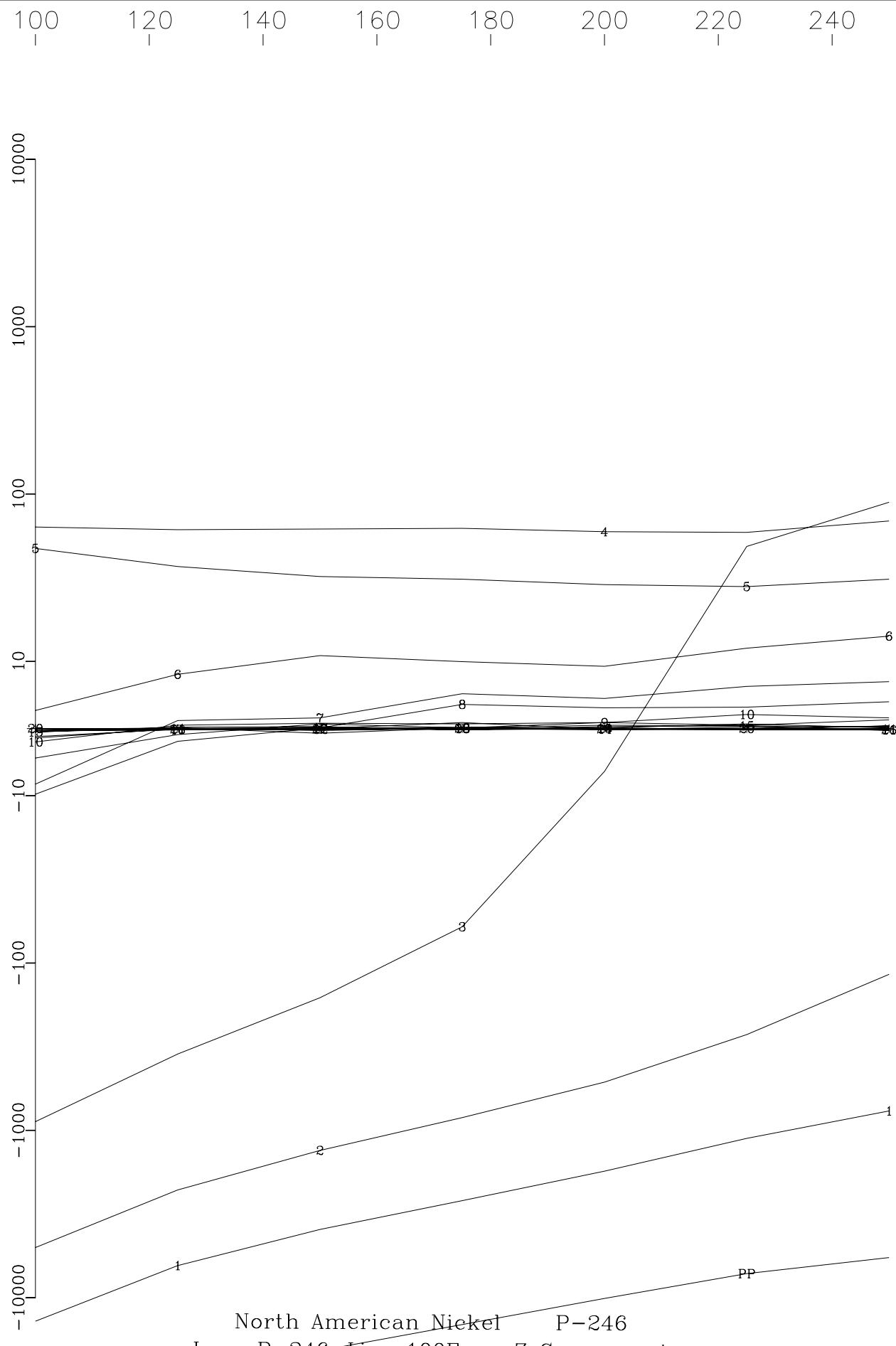


Primary Pulse and 20 Off-time Channels
(mT/sec)



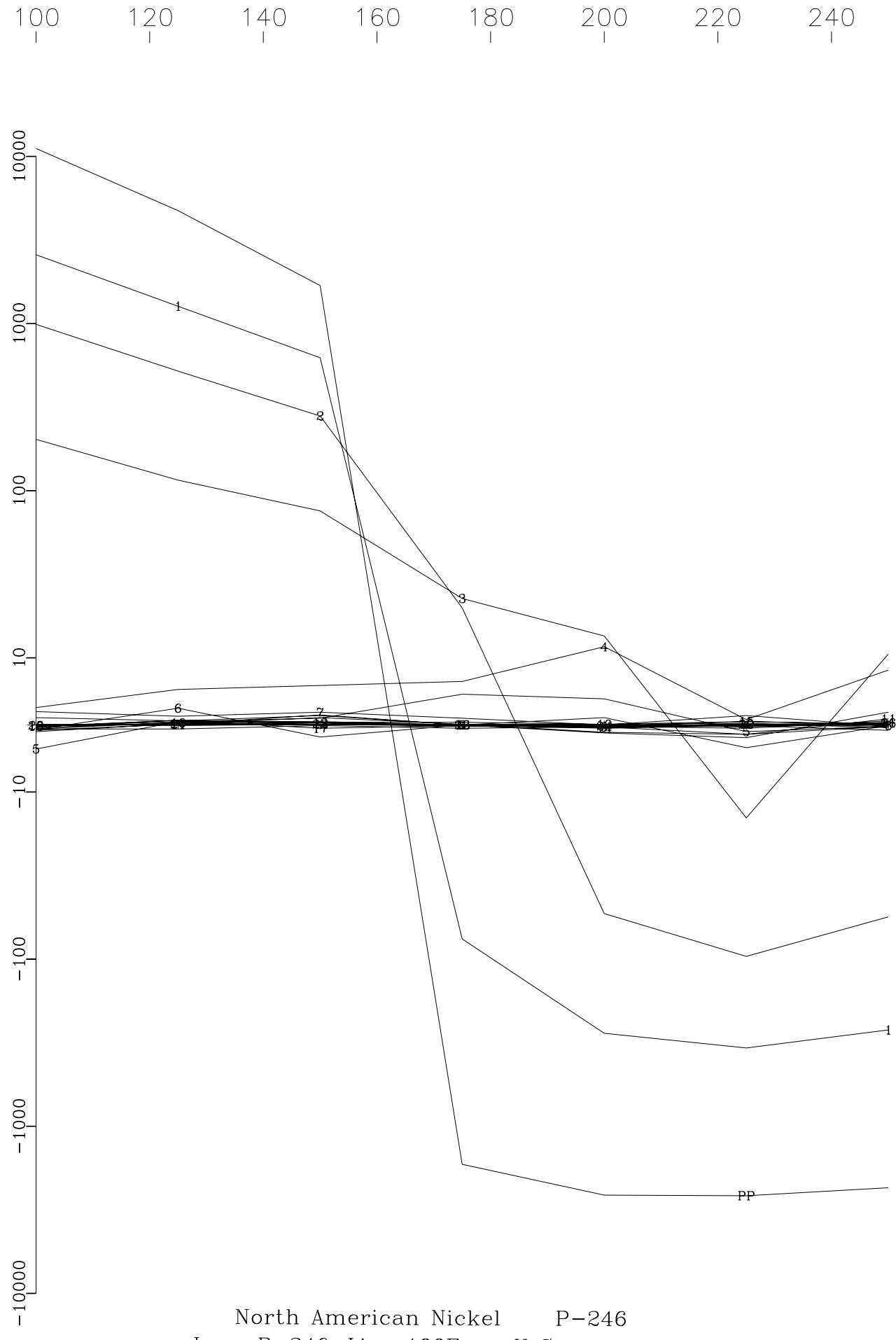
North American Nickel P-142
Loop P-142, Line 200N X Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 24 Off-time Channels
(nT/sec)



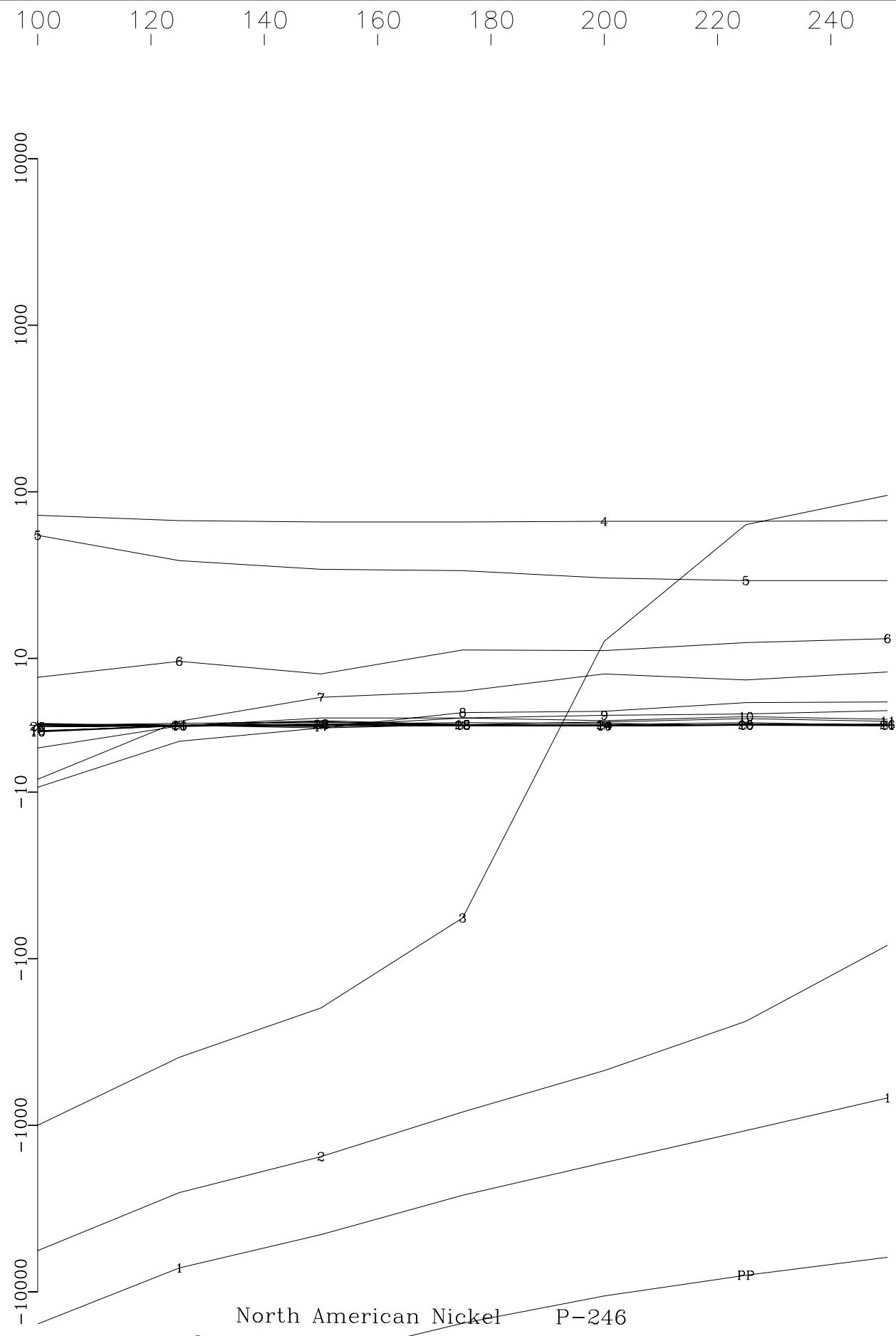
North American Nickel P-246
Loop P-246, Line 100E Z Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 24 Off-time Channels
(mT/sec)



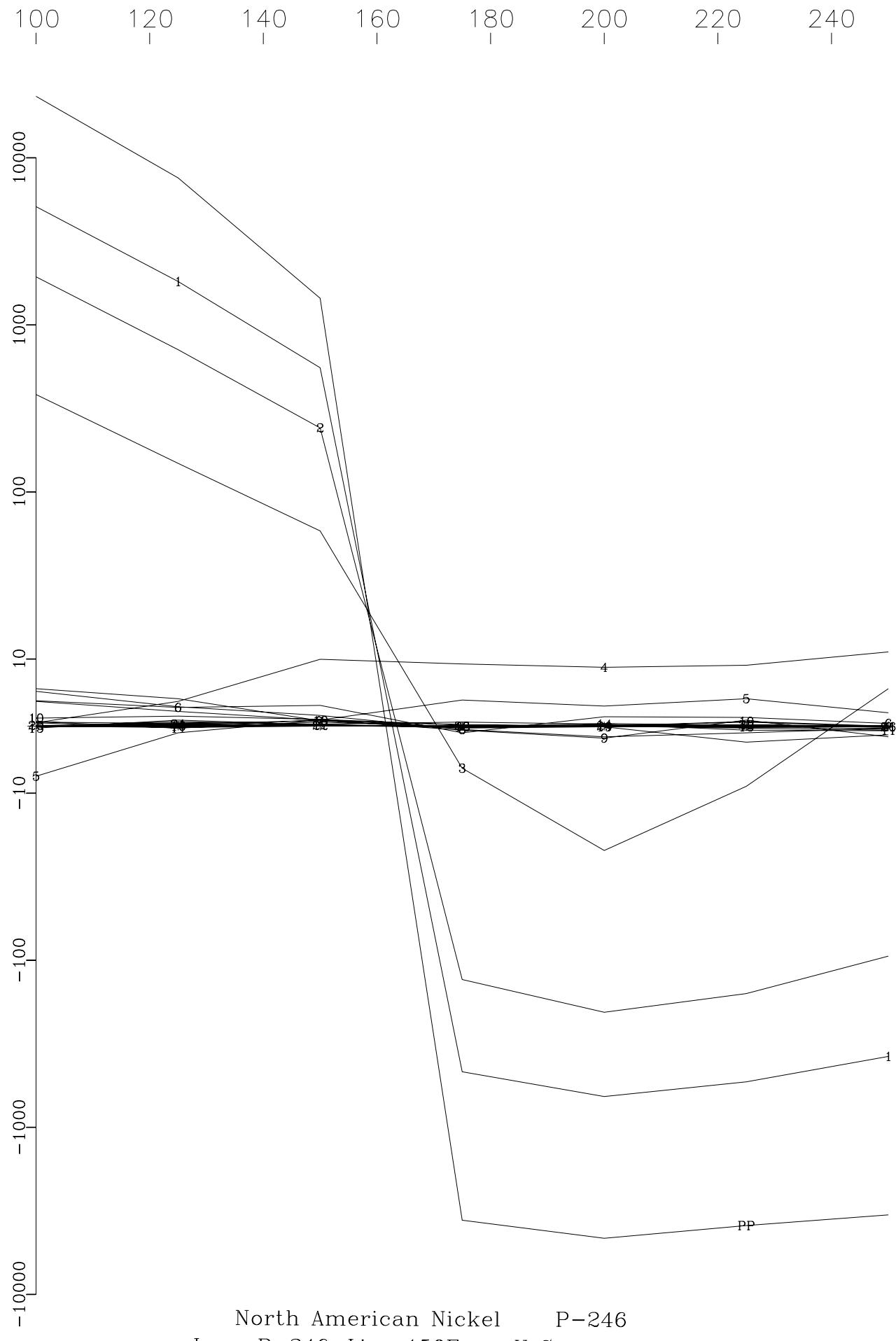
North American Nickel P-246
Loop P-246, Line 100E X Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 24 Off-time Channels
(nT/sec)



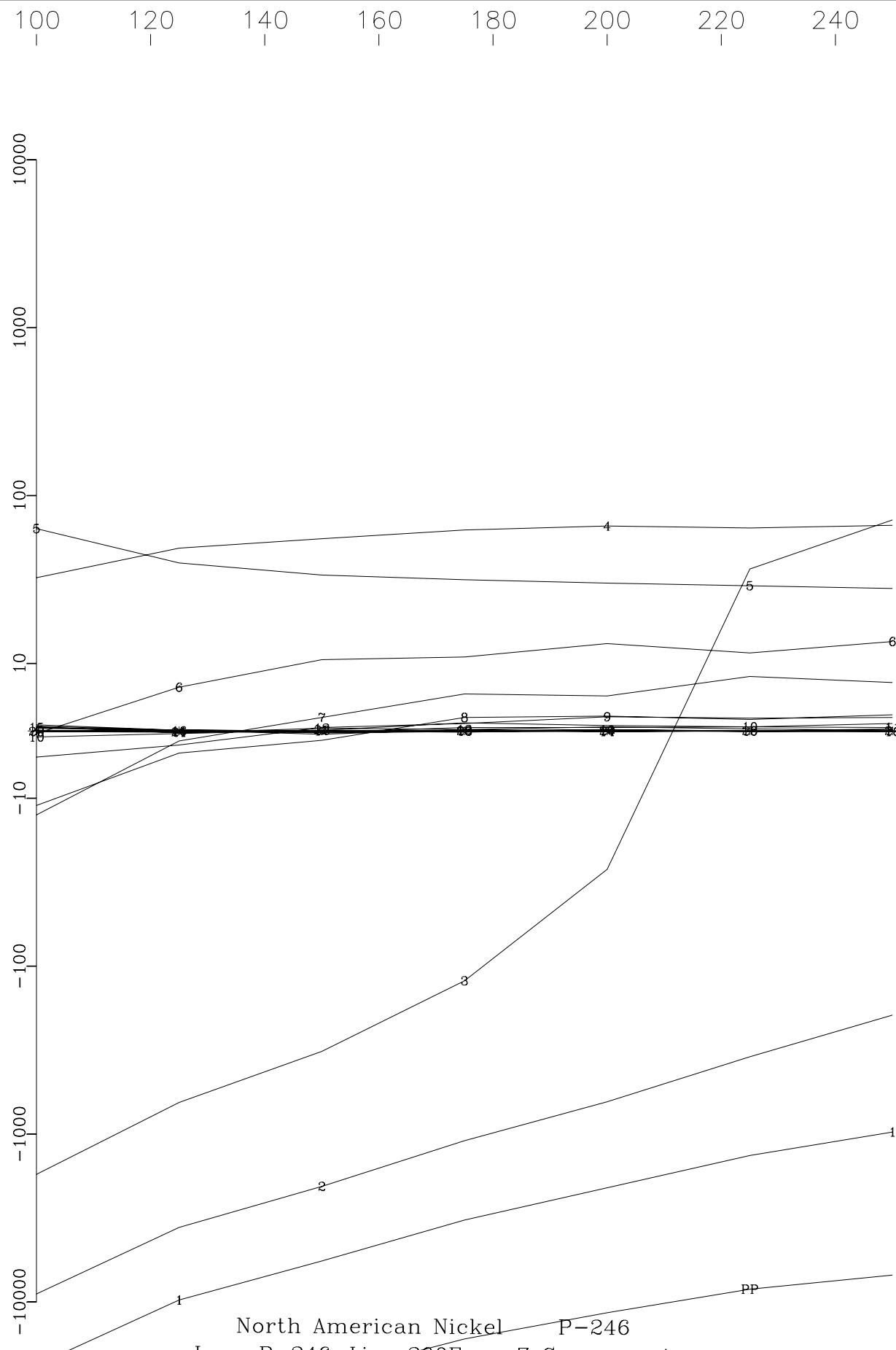
North American Nickel P-246
Loop P-246, Line 150E Z Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 24 Off-time Channels
(mT/sec)



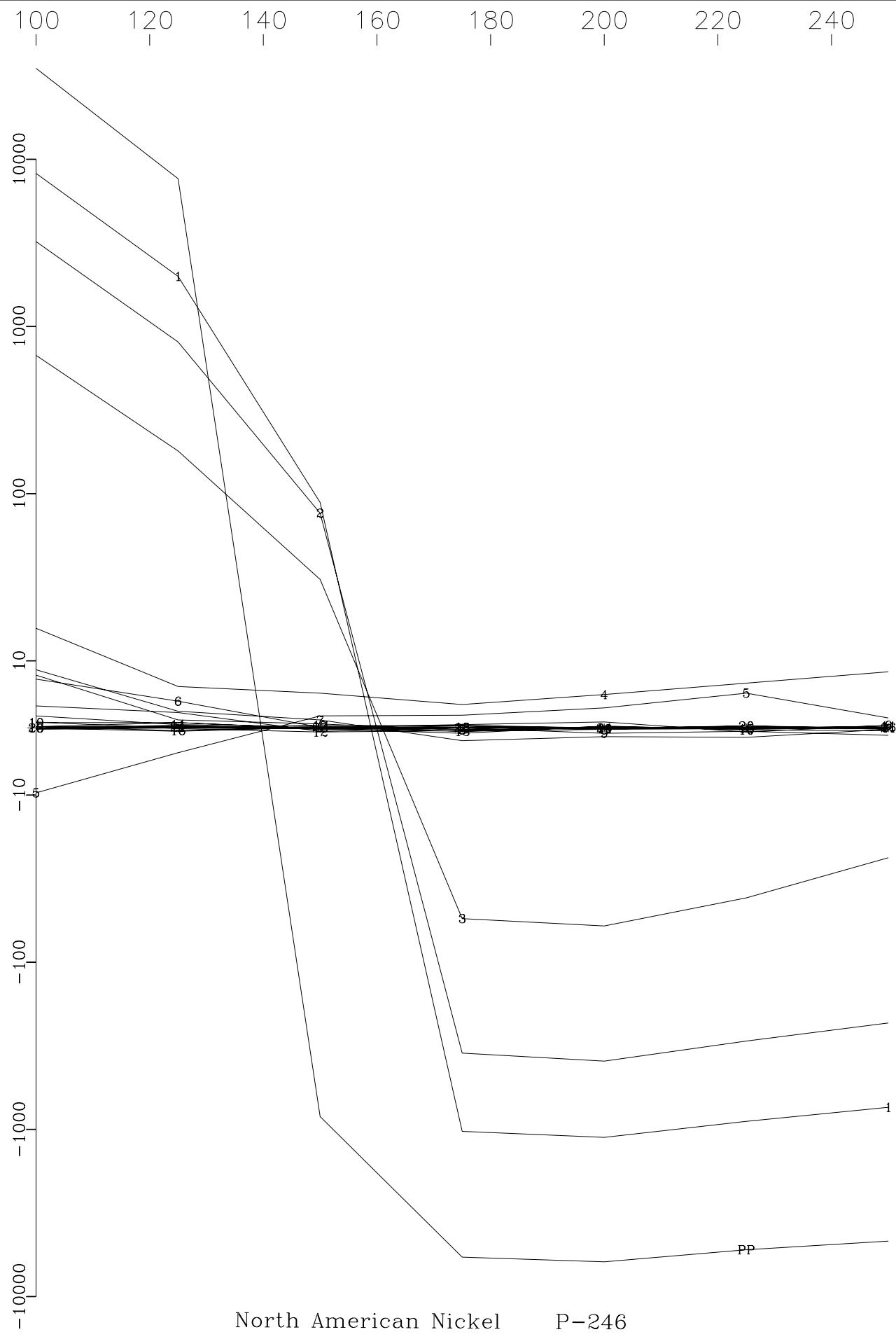
North American Nickel P-246
Loop P-246, Line 150E X Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 24 Off-time Channels
(nT/sec)

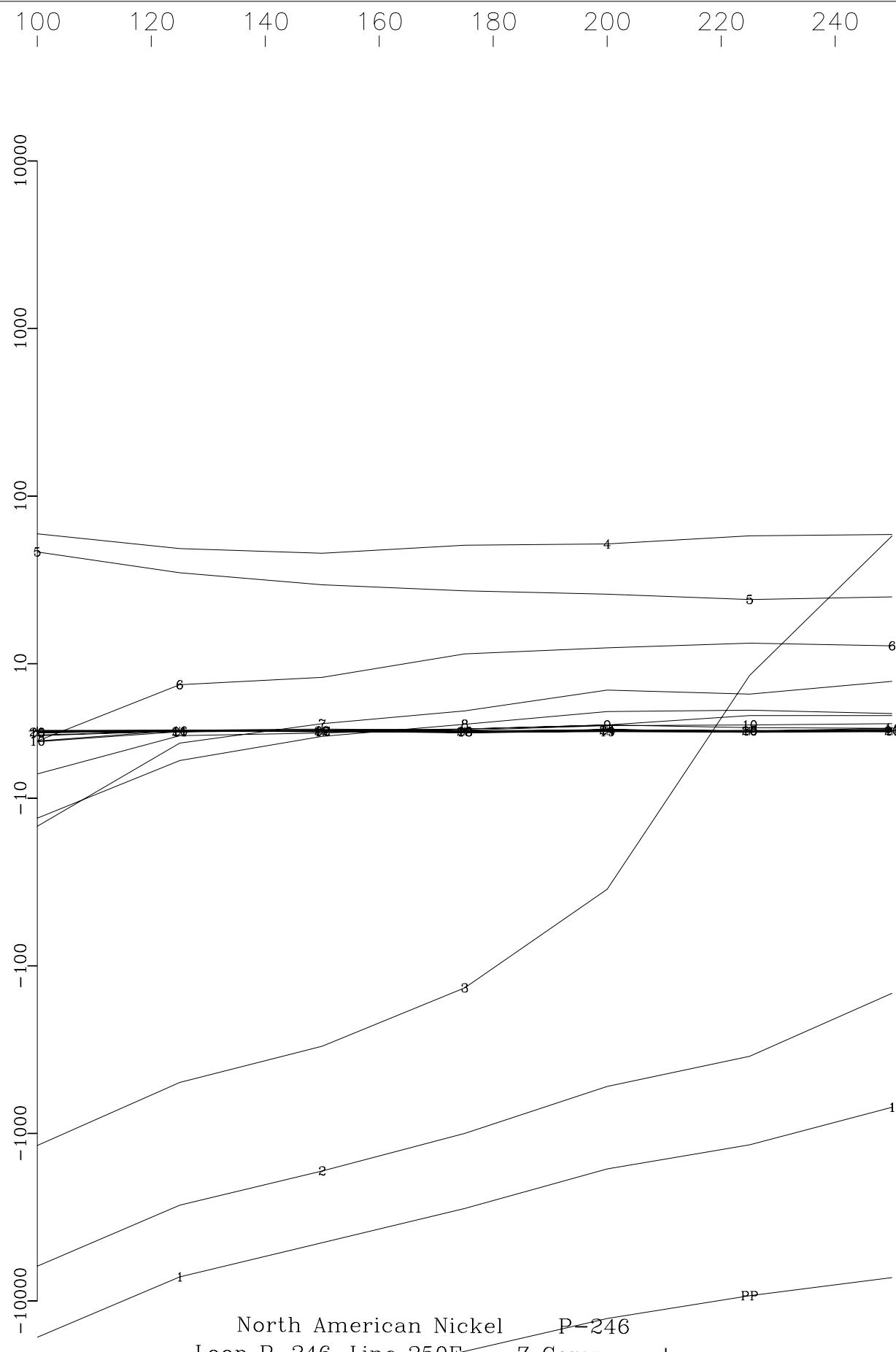


North American Nickel
Loop P-246, Line 200E Z Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 24 Off-time Channels
(mT/sec)

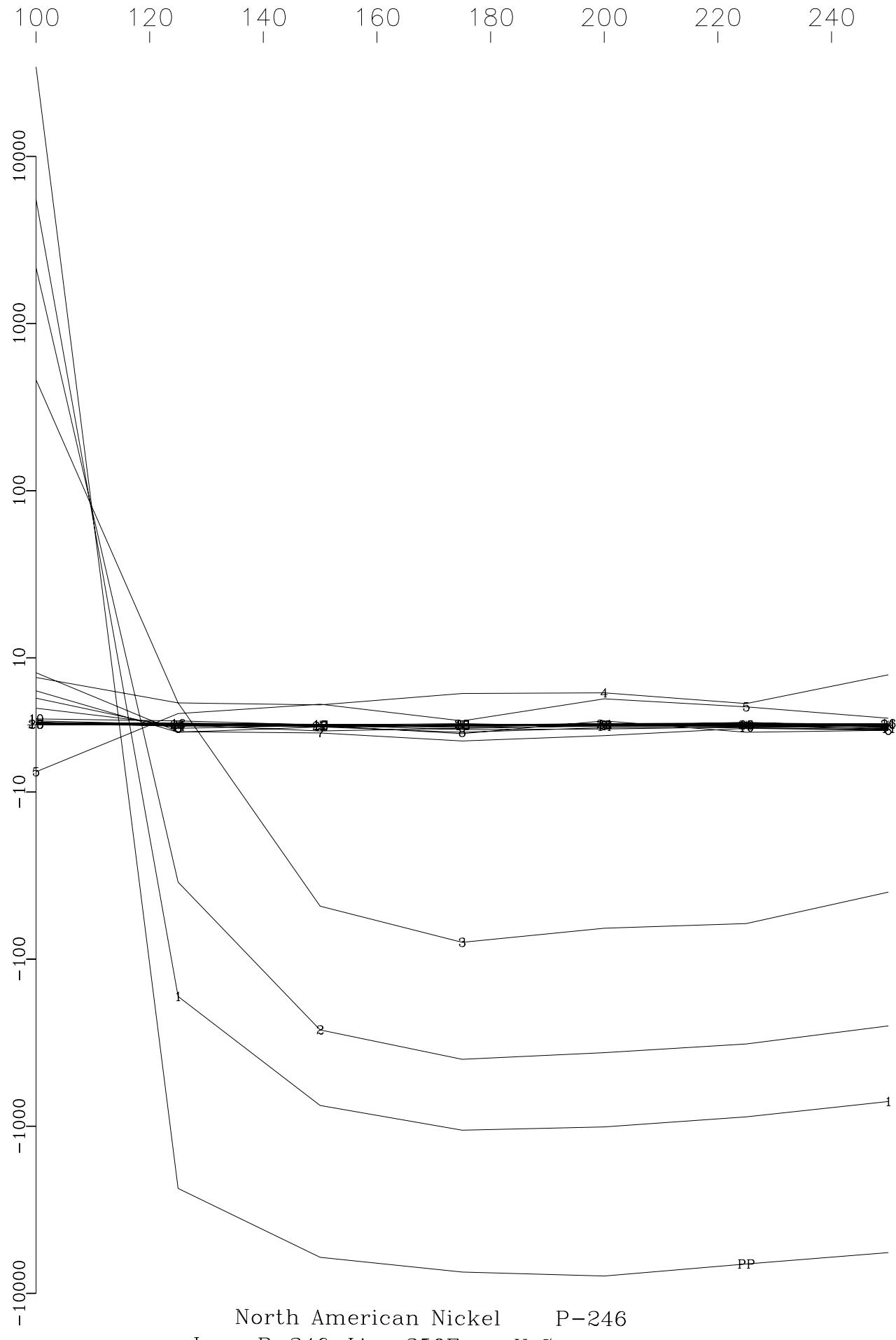


Primary Pulse and 24 Off-time Channels
(nT/sec)



North American Nickel
Loop P-246, Line 250E Z Component
Crone Geophysics & Exploration Ltd.

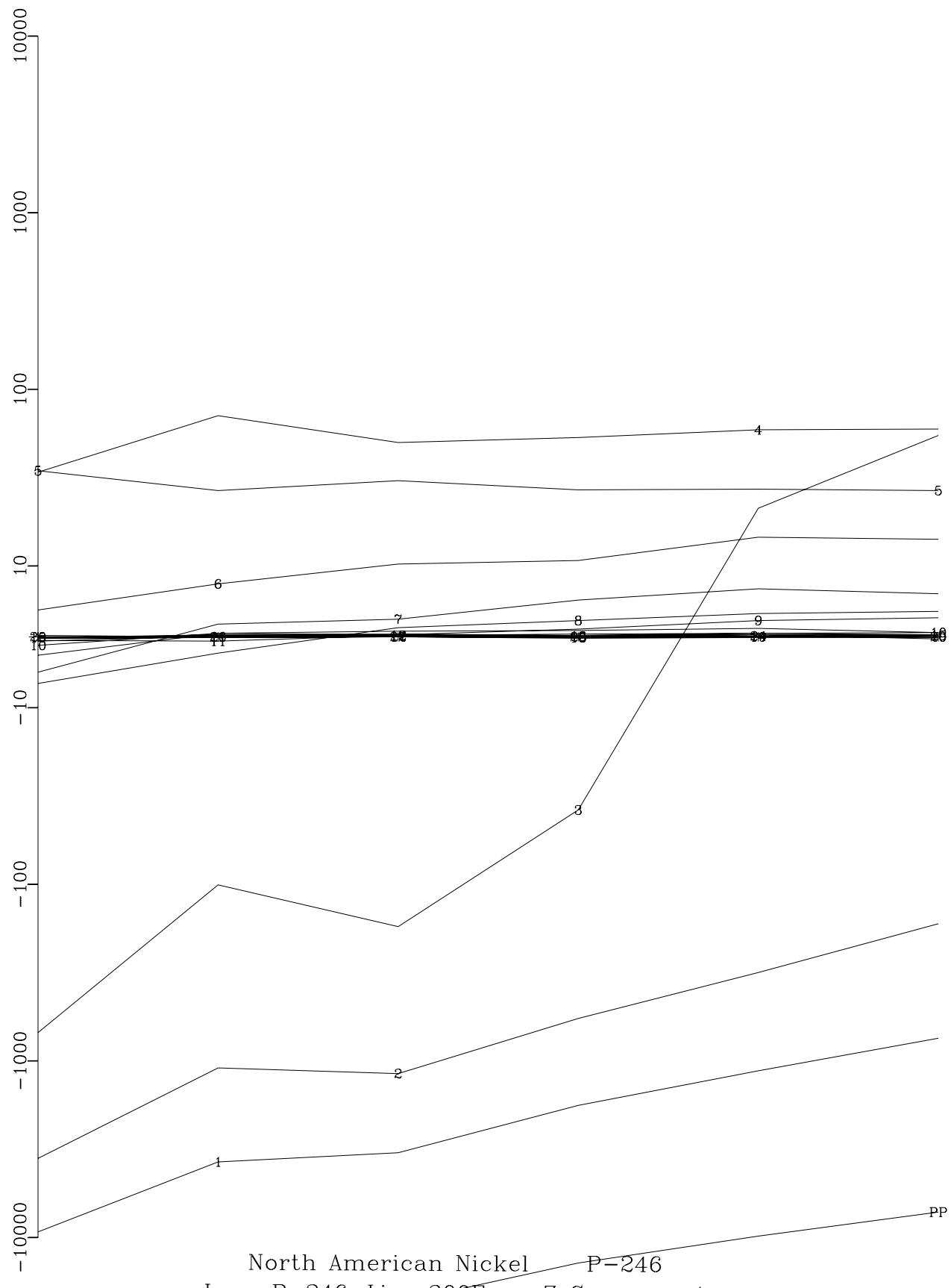
Primary Pulse and 24 Off-time Channels
(mT/sec)



North American Nickel P-246
Loop P-246, Line 250E X Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 24 Off-time Channels
(nT/sec)

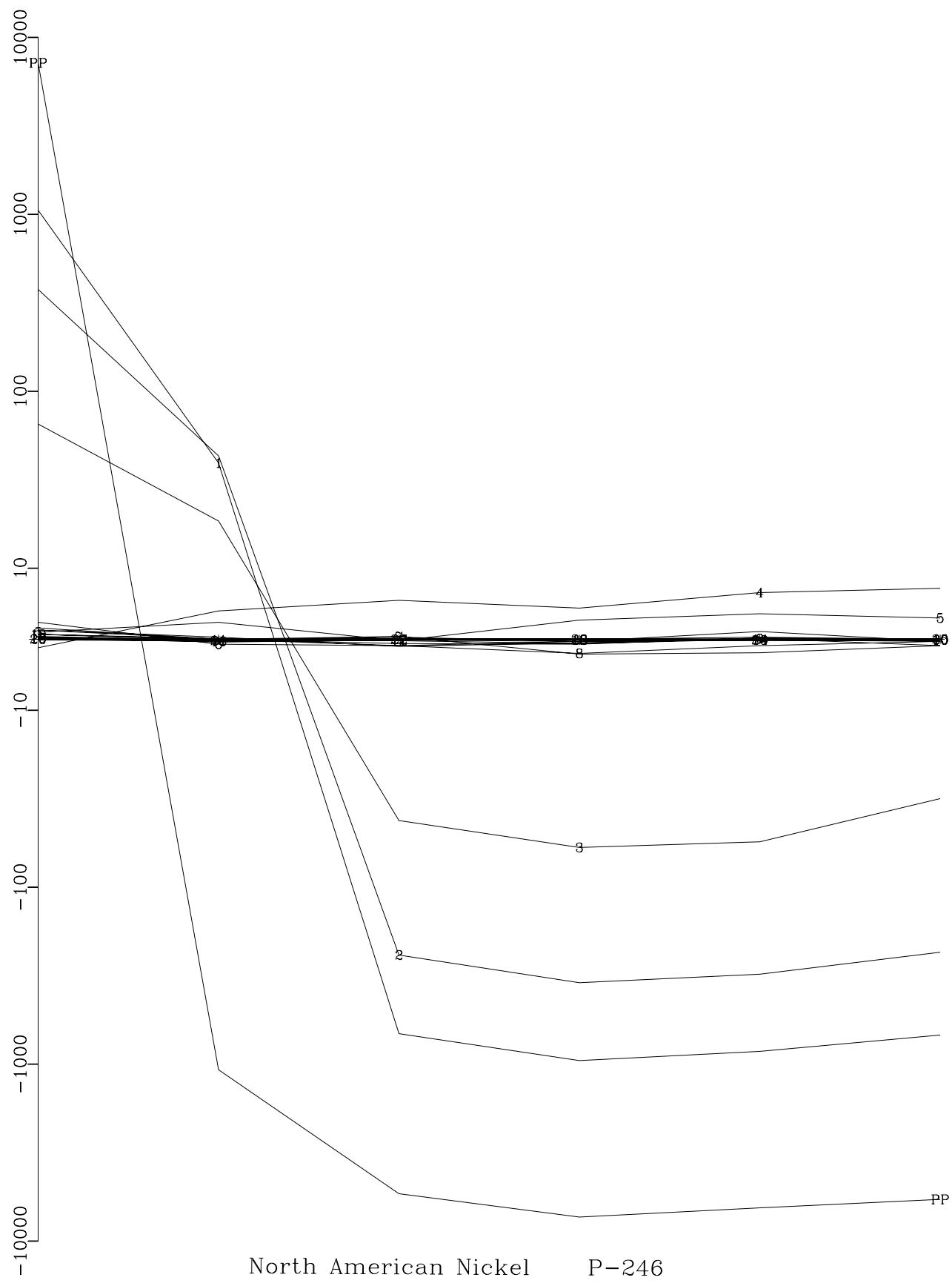
140 | 160 | 180 | 200 | 220 | 240



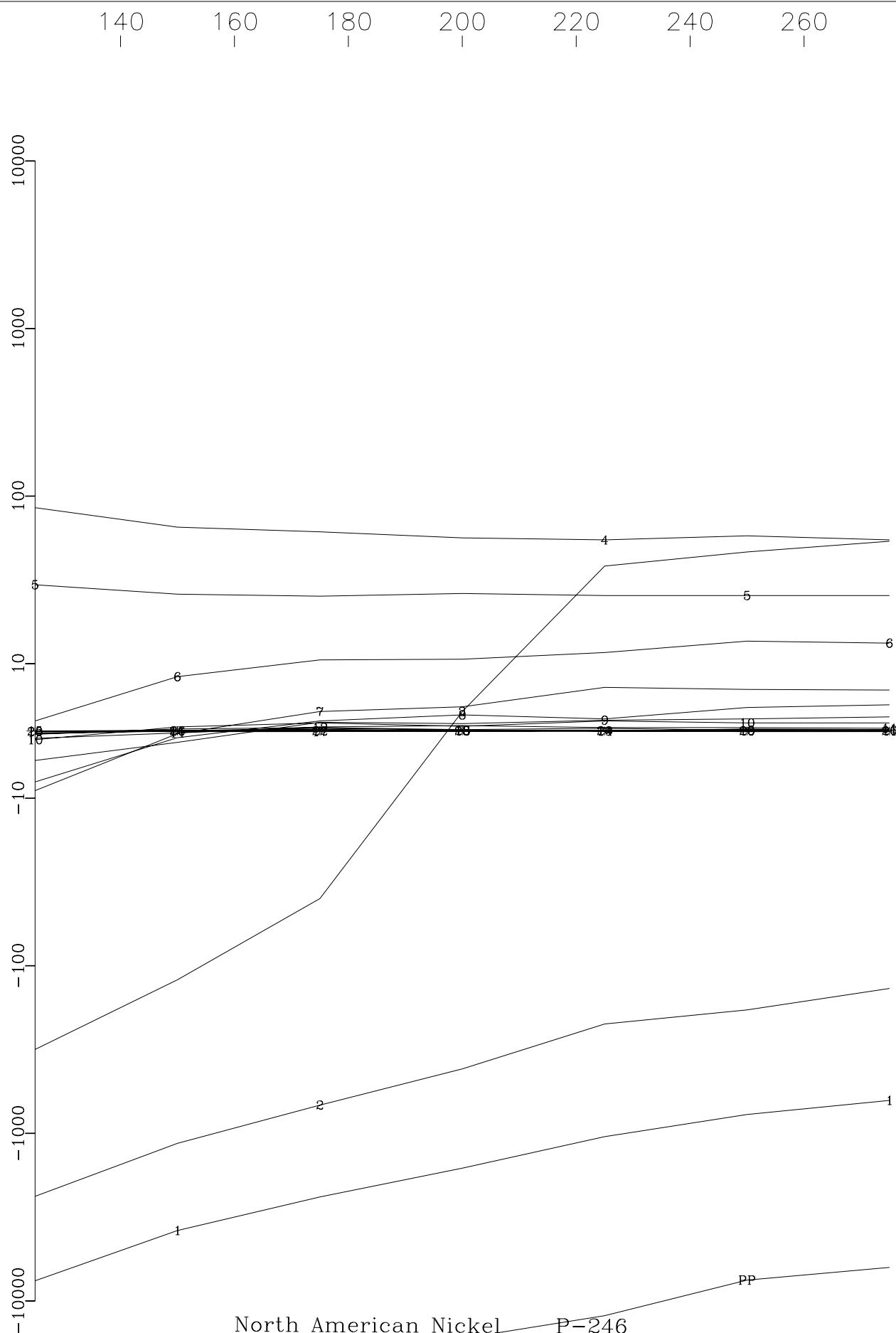
North American Nickel
Loop P-246, Line 300E Z Component
Crone Geophysics & Exploration Ltd.

P-246

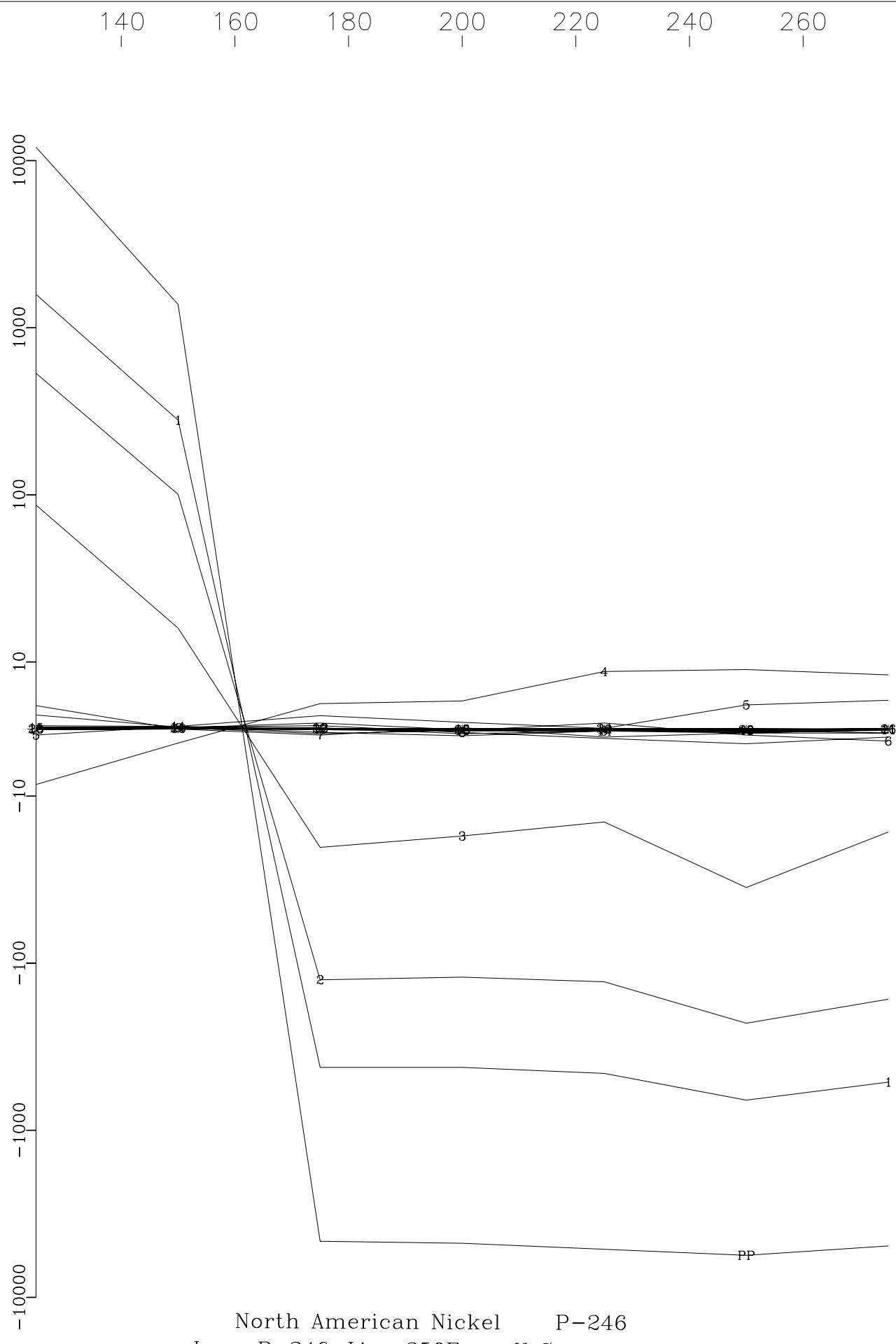
Primary Pulse and 24 Off-time Channels
(mT/sec)



Primary Pulse and 24 Off-time Channels
(nT/sec)

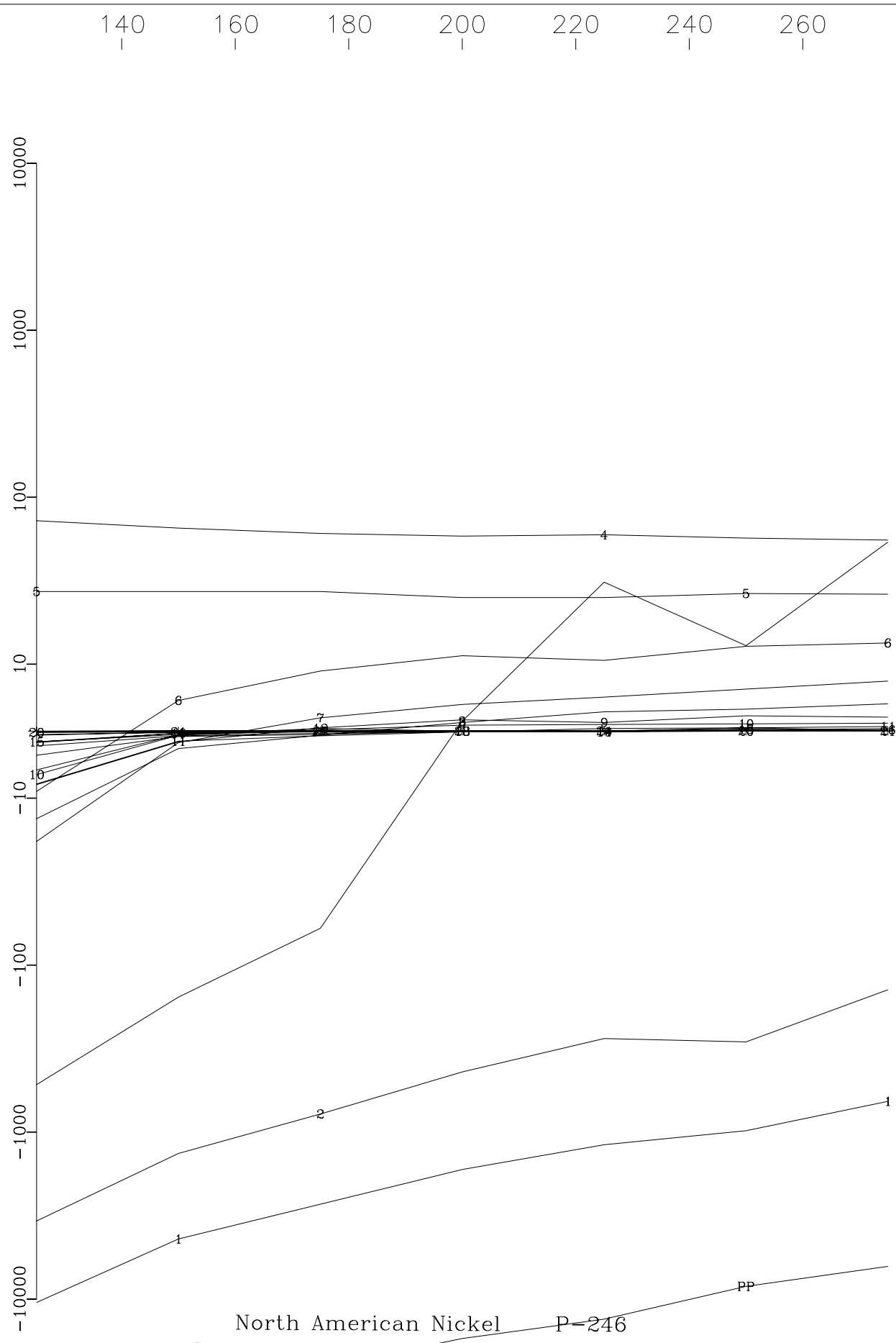


Primary Pulse and 24 Off-time Channels
(mT/sec)



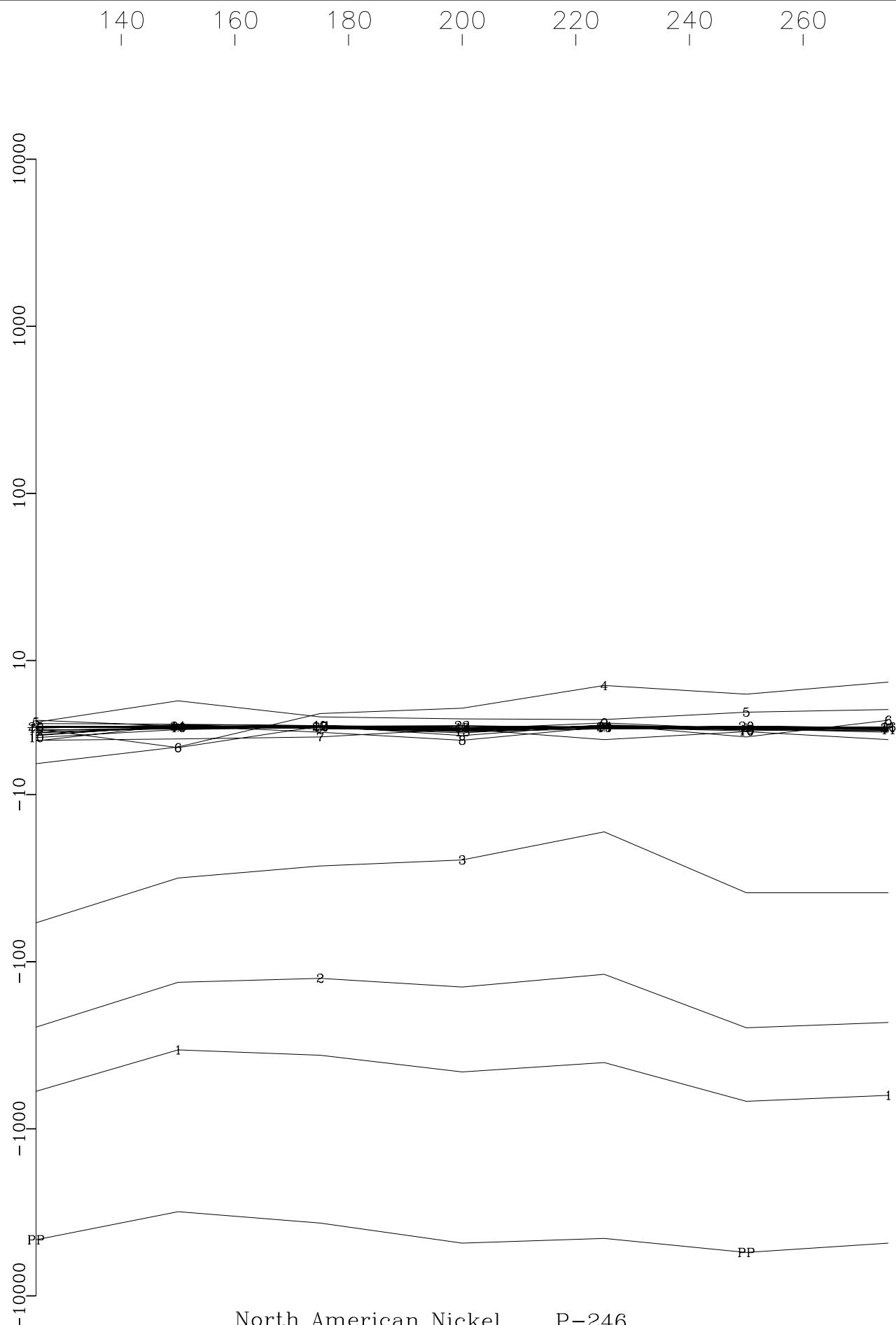
North American Nickel P-246
Loop P-246, Line 350E X Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 24 Off-time Channels
(nT/sec)



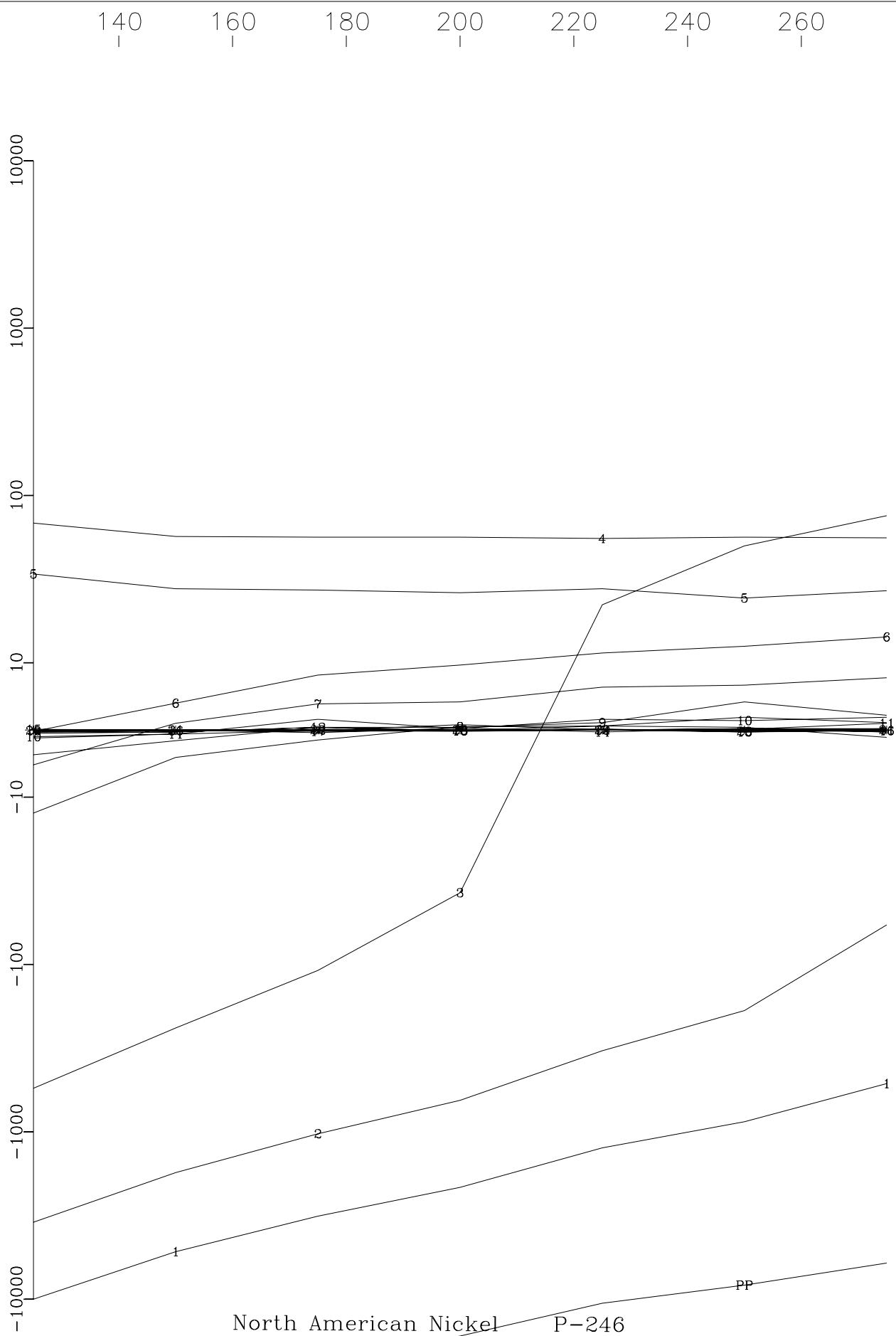
North American Nickel
Loop P-246, Line 400E Z Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 24 Off-time Channels
(mT/sec)



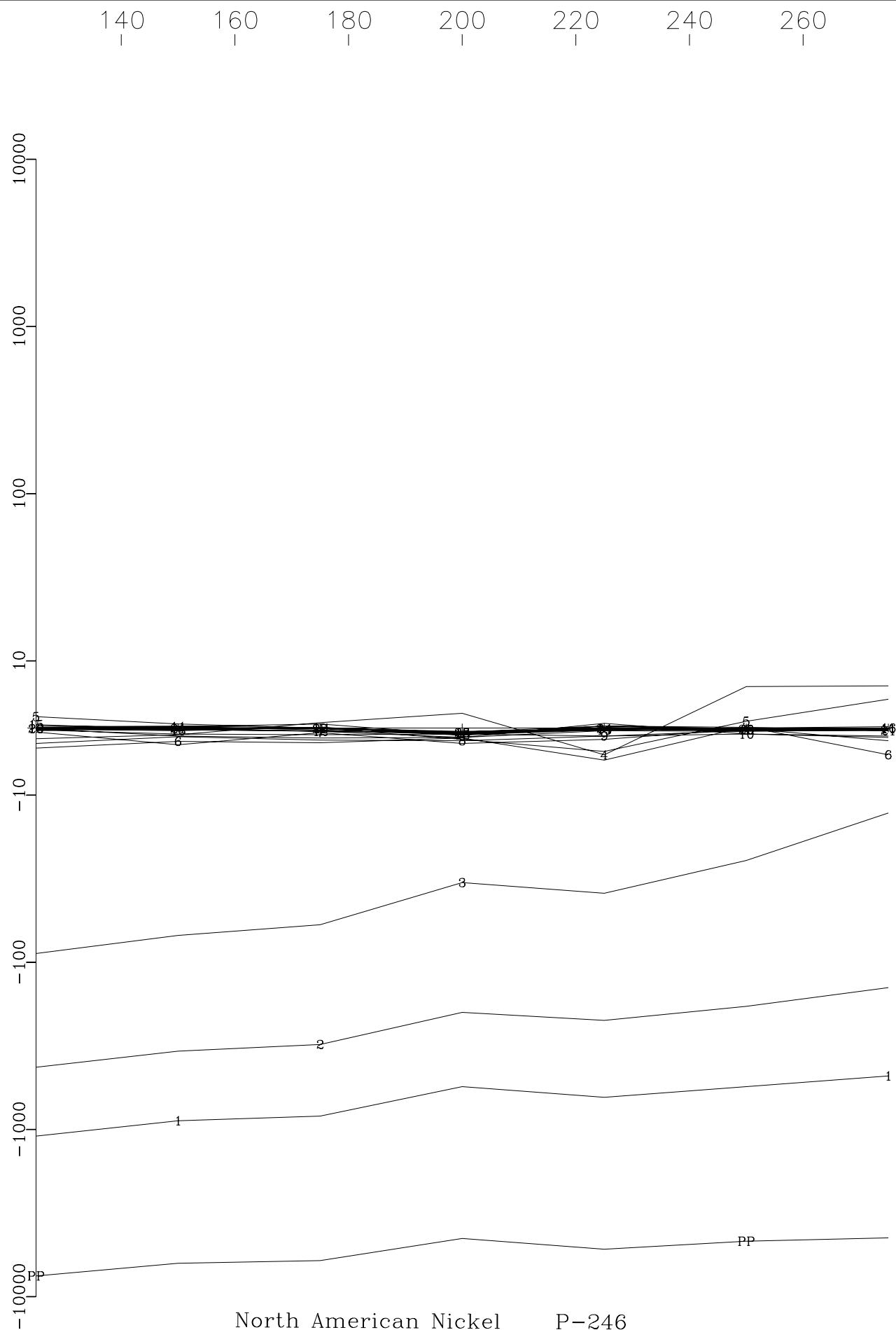
North American Nickel P-246
Loop P-246, Line 400E X Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 24 Off-time Channels
(nT/sec)



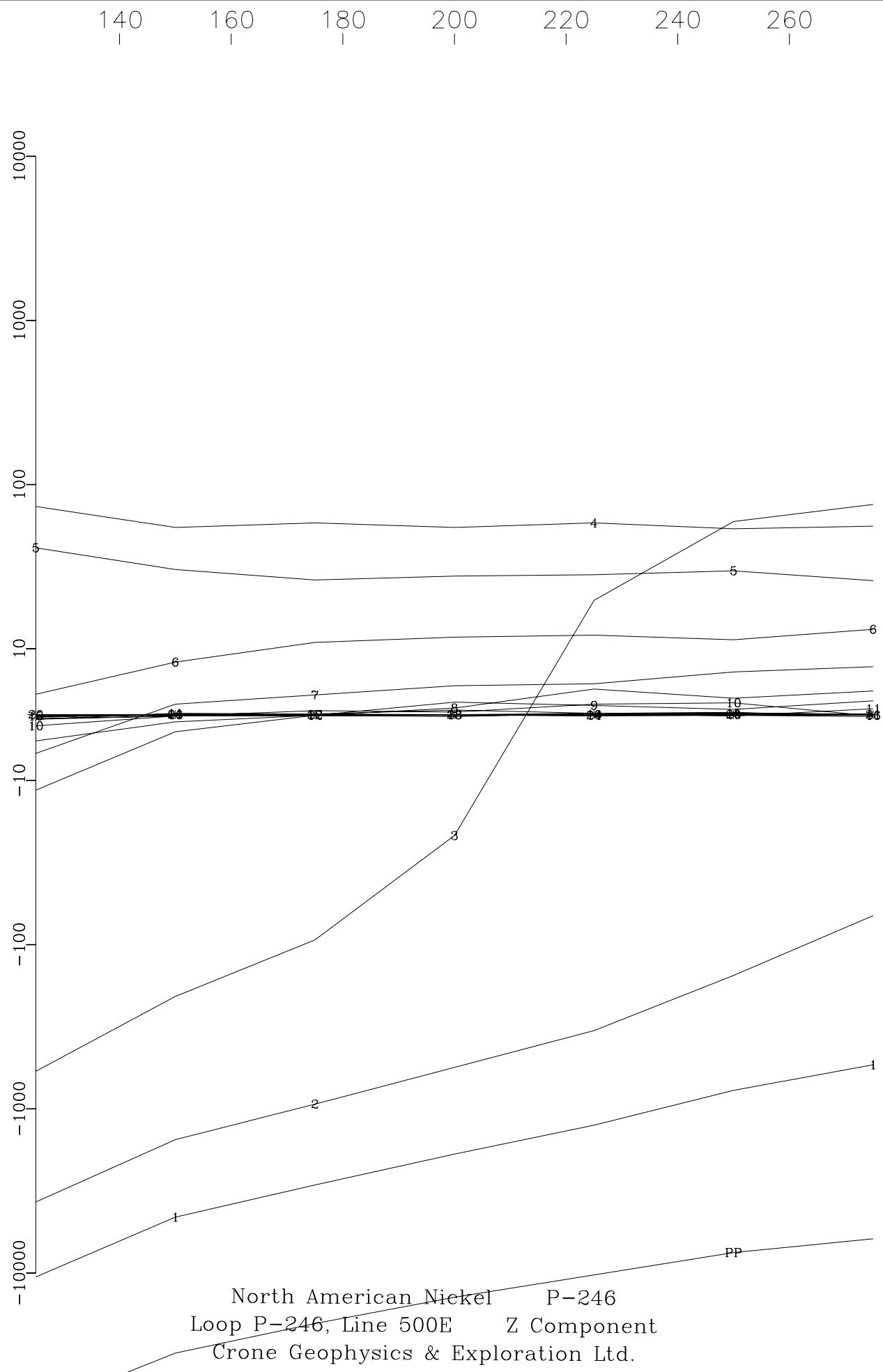
North American Nickel P-246
Loop P-246, Line 450E Z Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 24 Off-time Channels
(mT/sec)

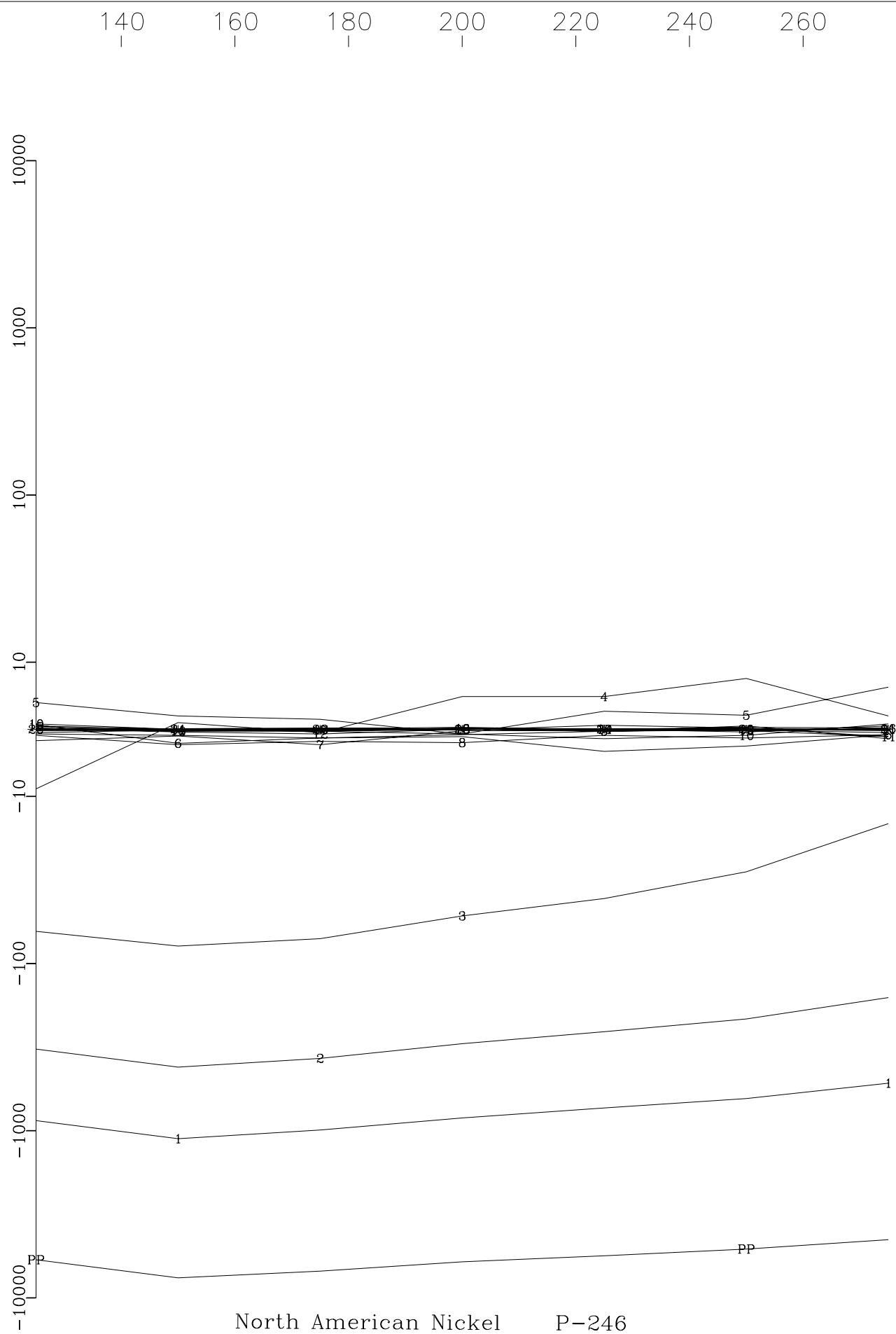


North American Nickel P-246
Loop P-246, Line 450E X Component
Crone Geophysics & Exploration Ltd.

Primary Pulse and 24 Off-time Channels
(nT/sec)

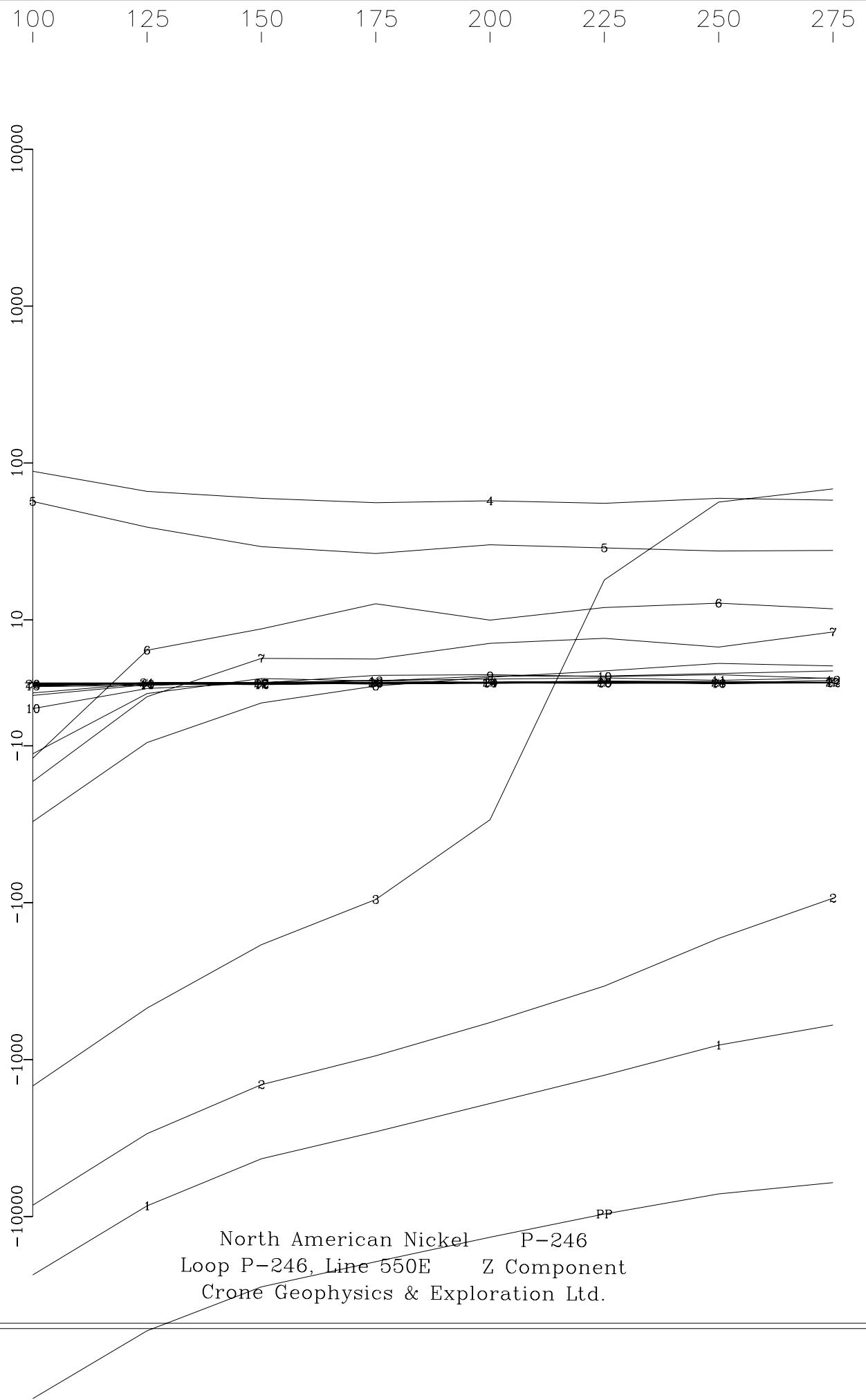


Primary Pulse and 24 Off-time Channels
(mT/sec)

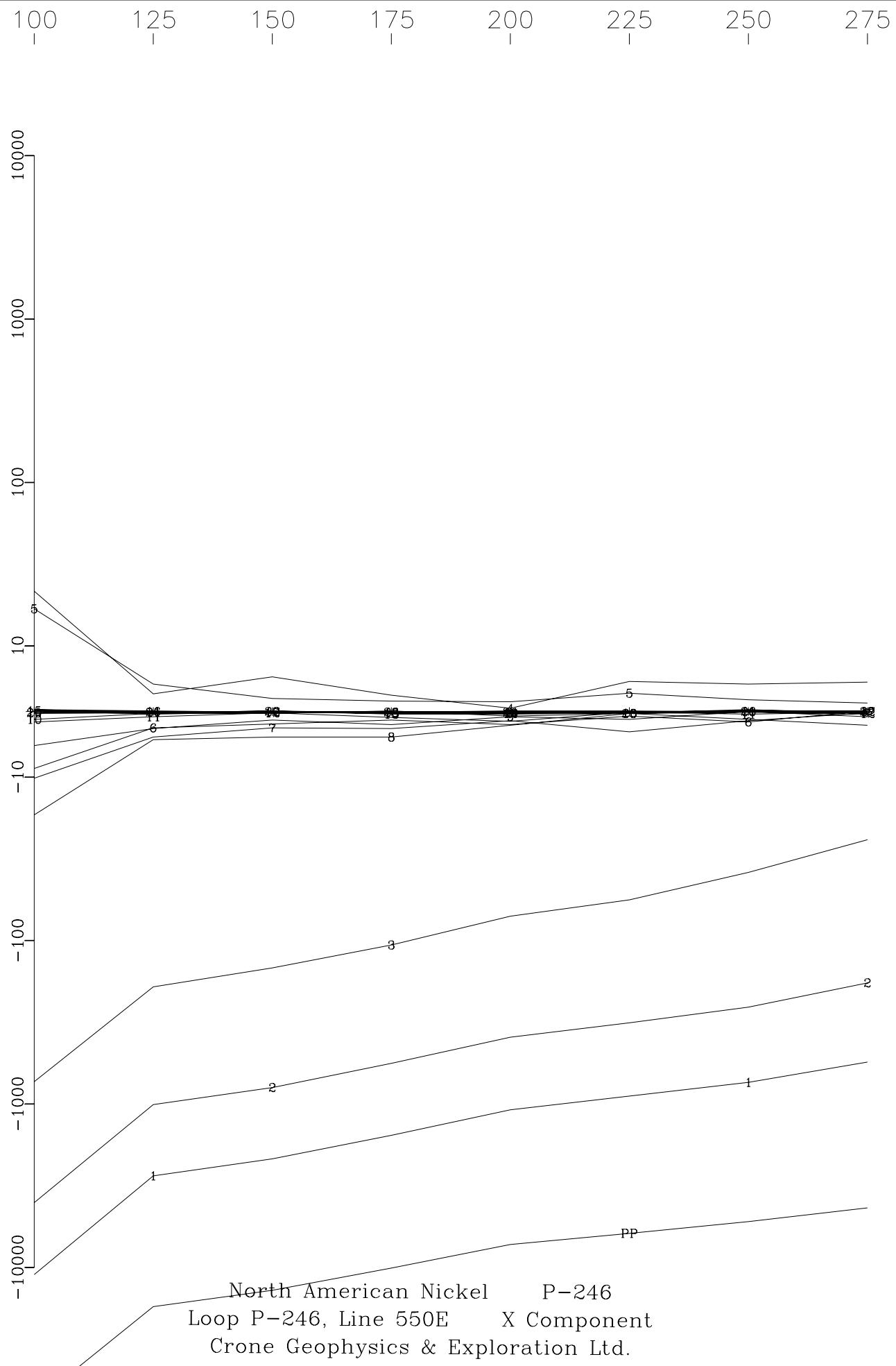


North American Nickel P-246
Loop P-246, Line 500E X Component
Crone Geophysics & Exploration Ltd.

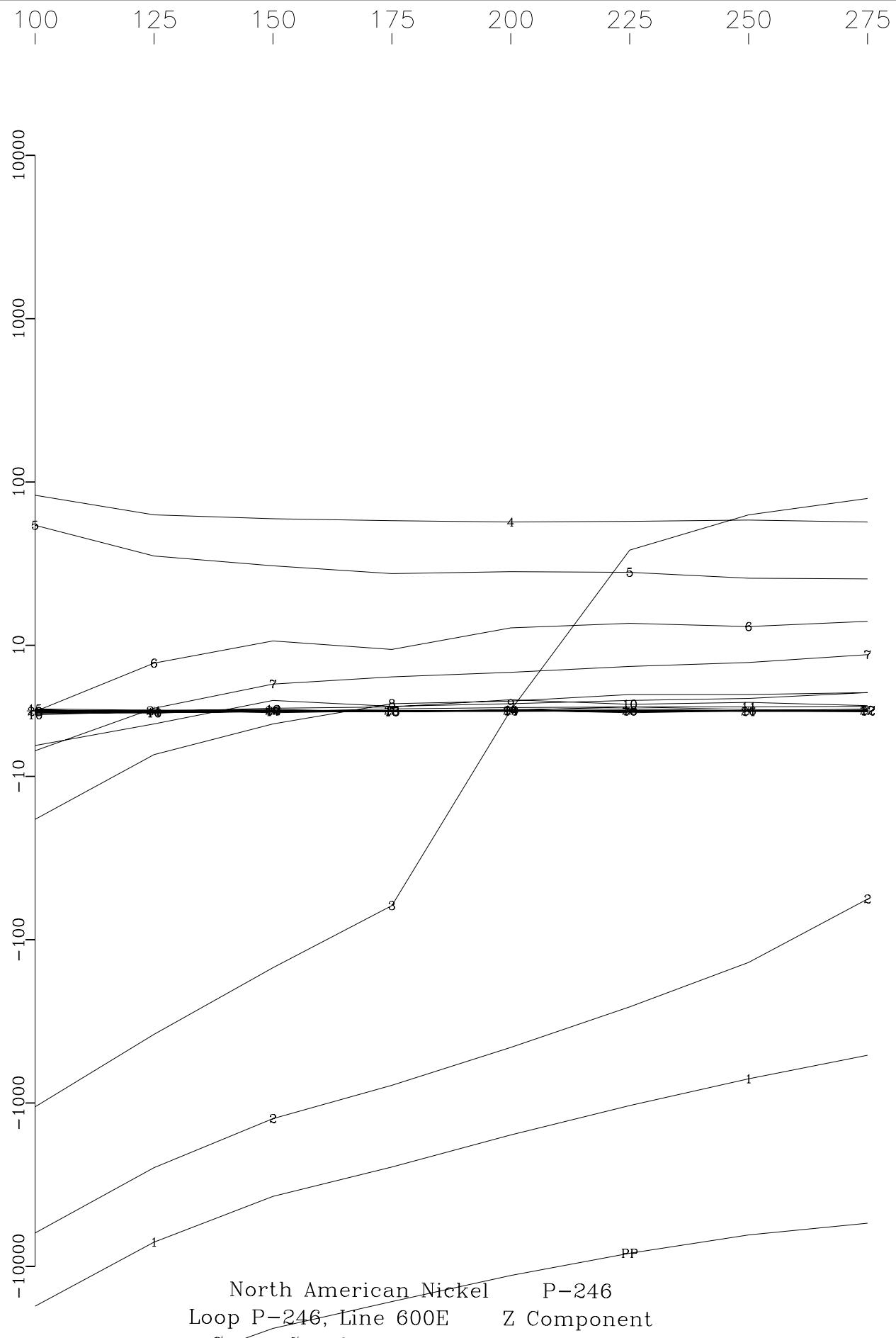
Primary Pulse and 24 Off-time Channels
(nT/sec)



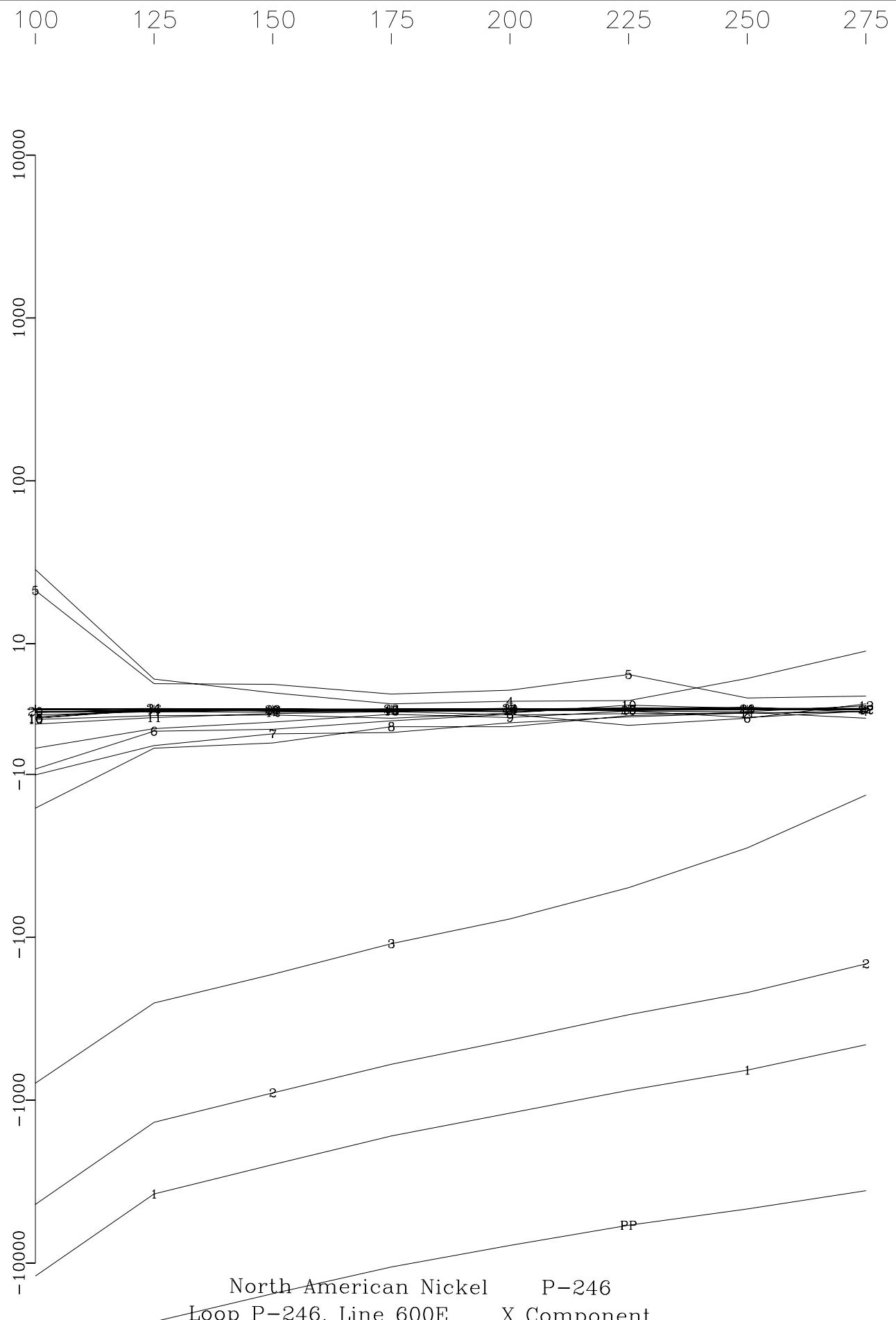
Primary Pulse and 24 Off-time Channels
(nT/sec)



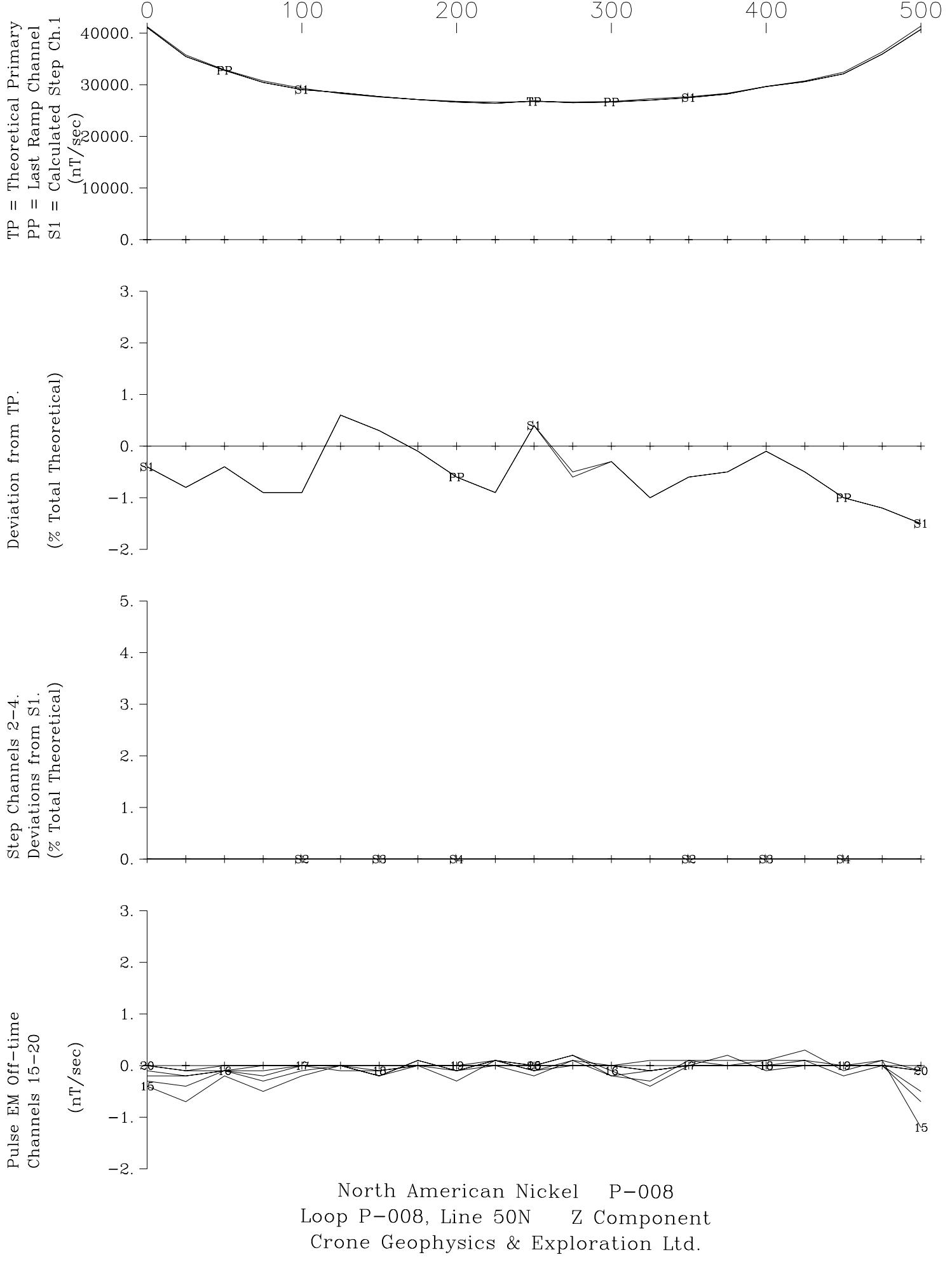
Primary Pulse and 24 Off-time Channels
(nT/sec)

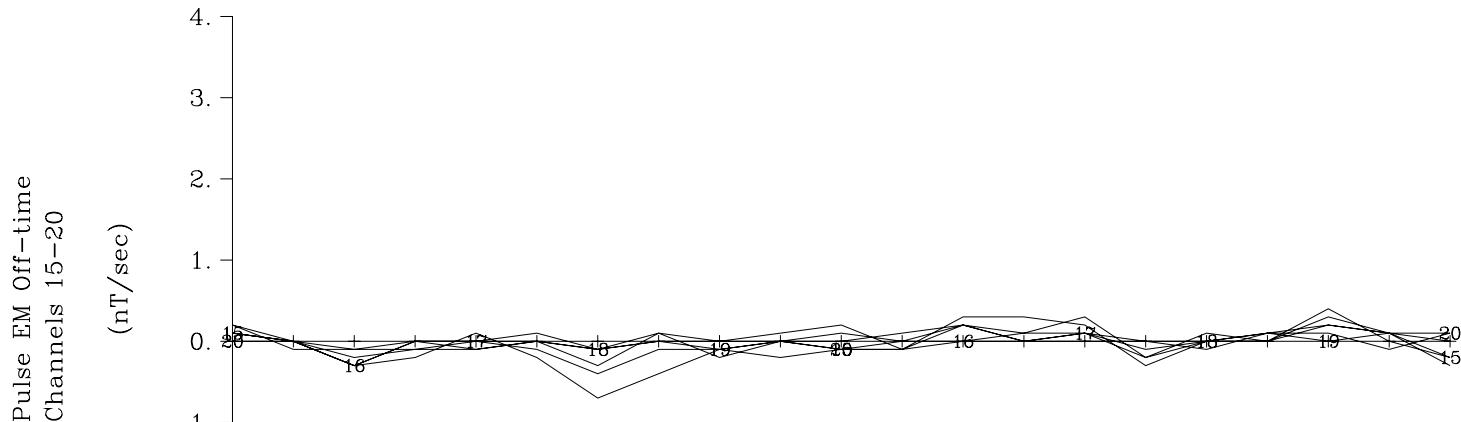
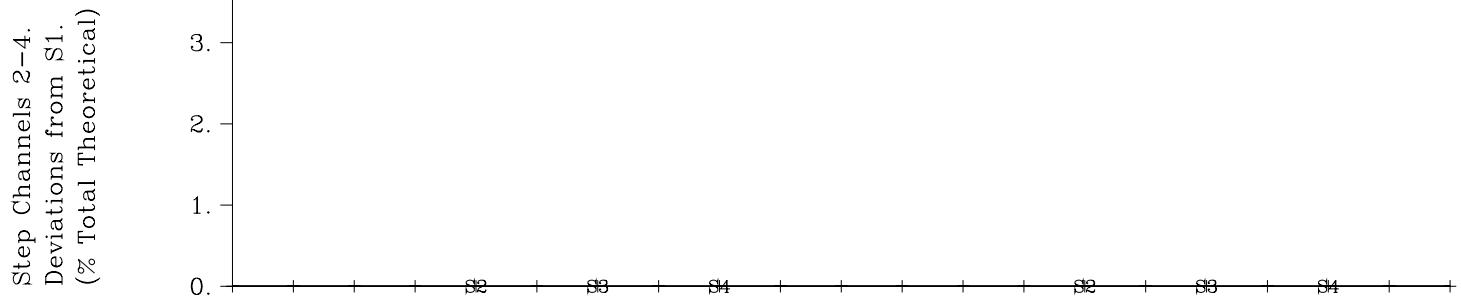
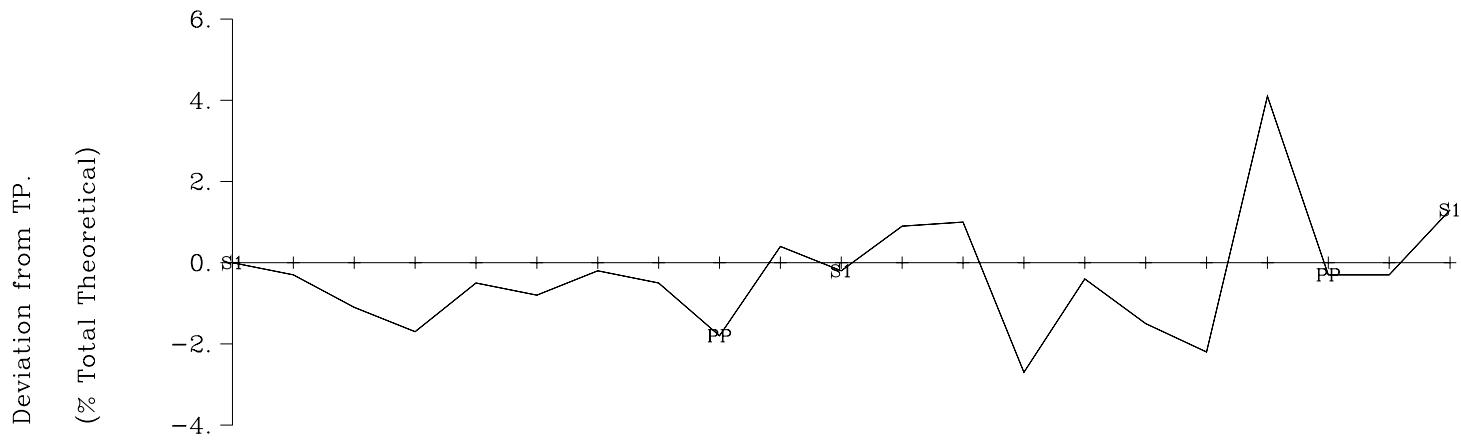
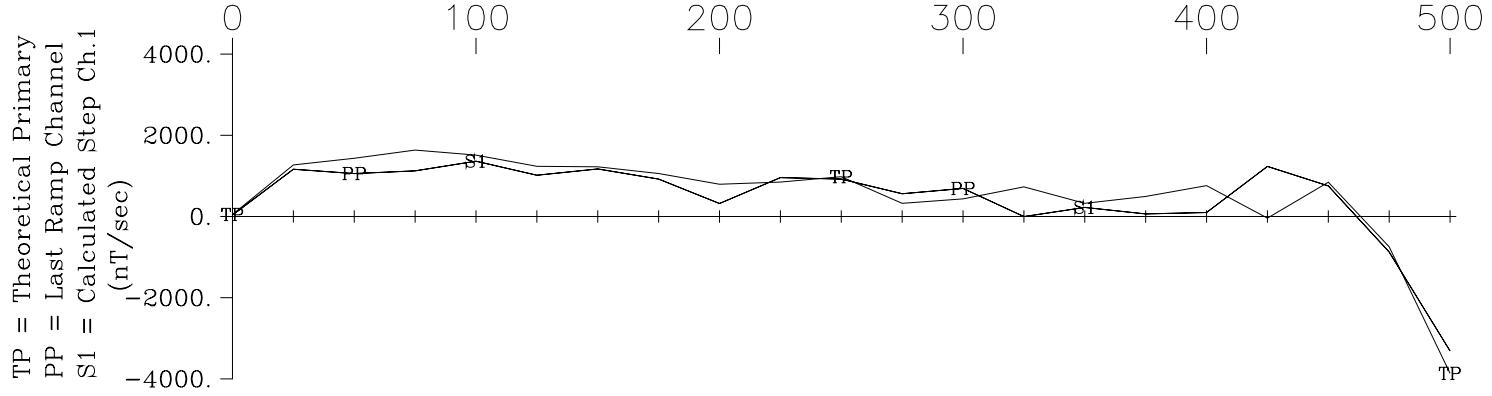


Primary Pulse and 24 Off-time Channels
(nT/sec)

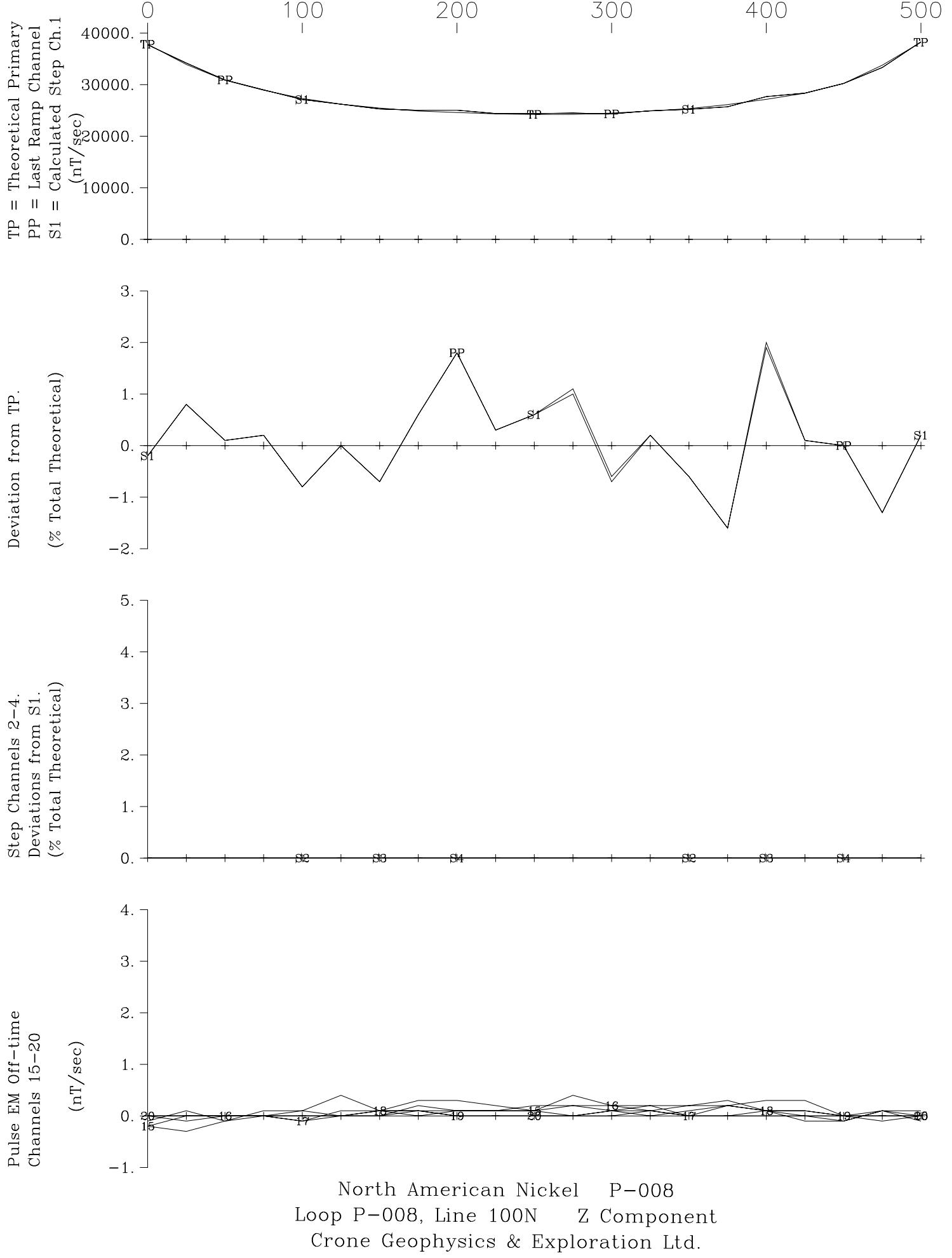


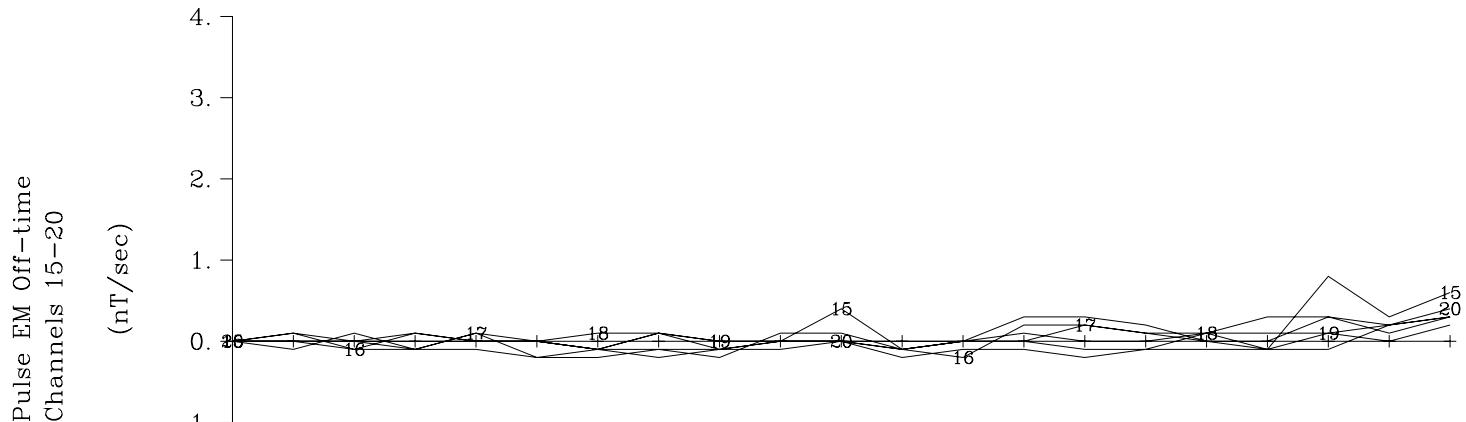
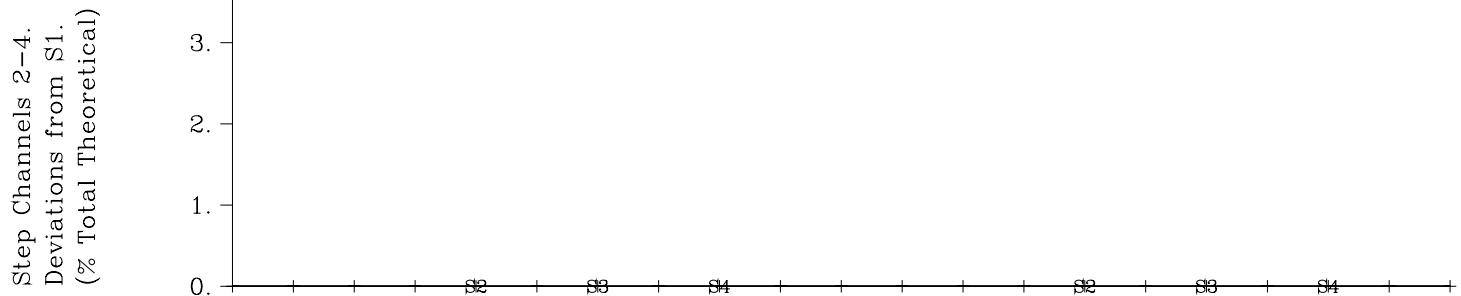
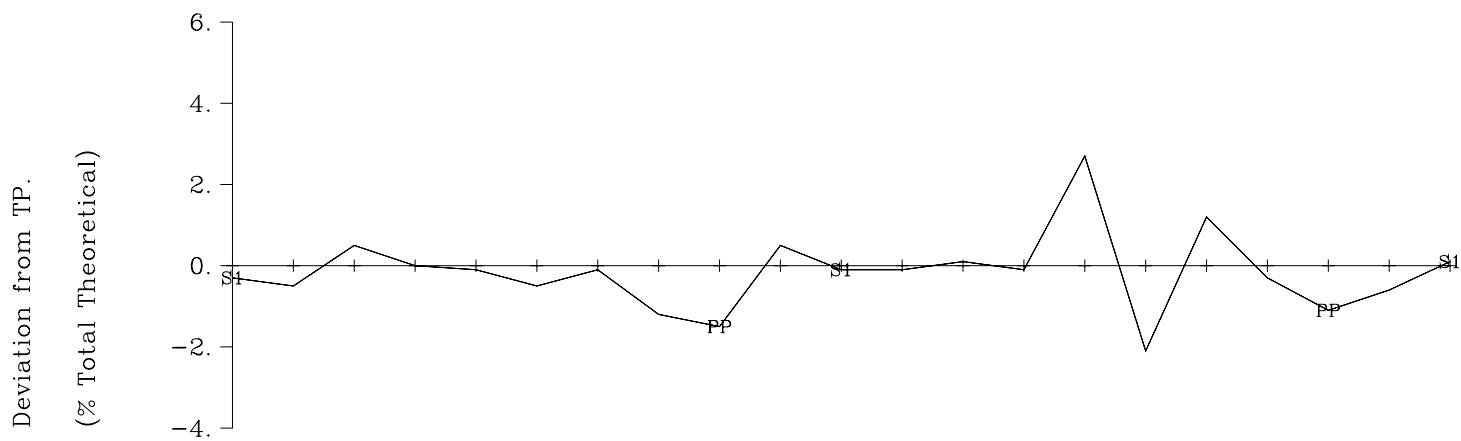
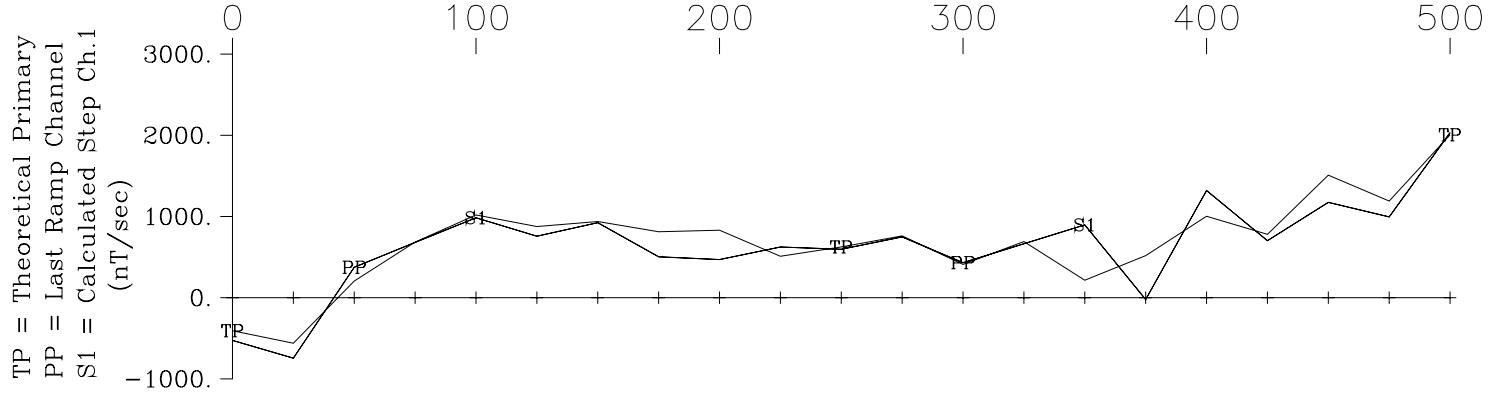
Appendix 5: Step Response Data Profiles



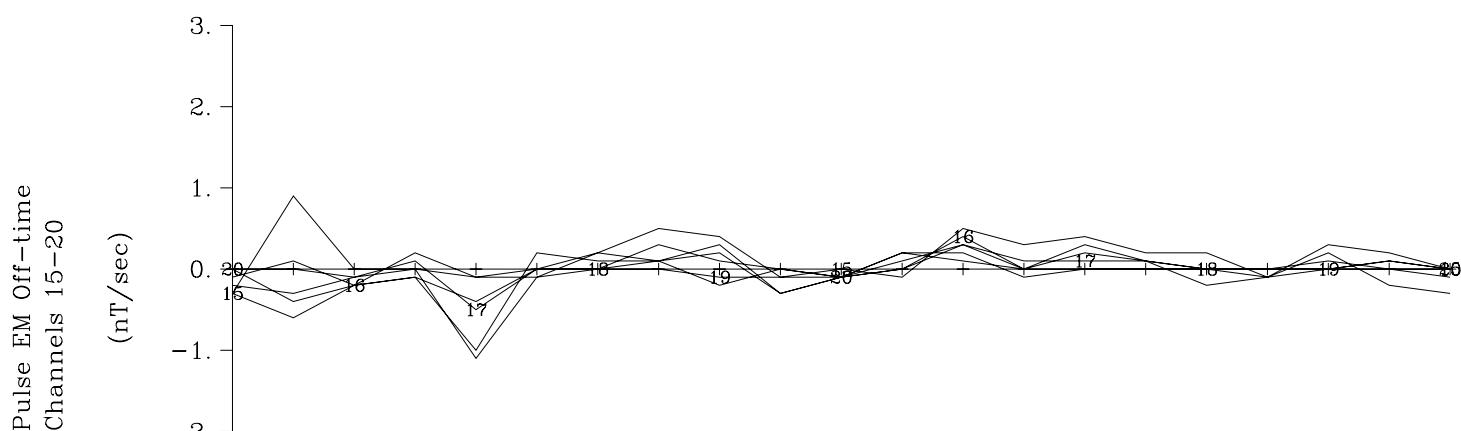
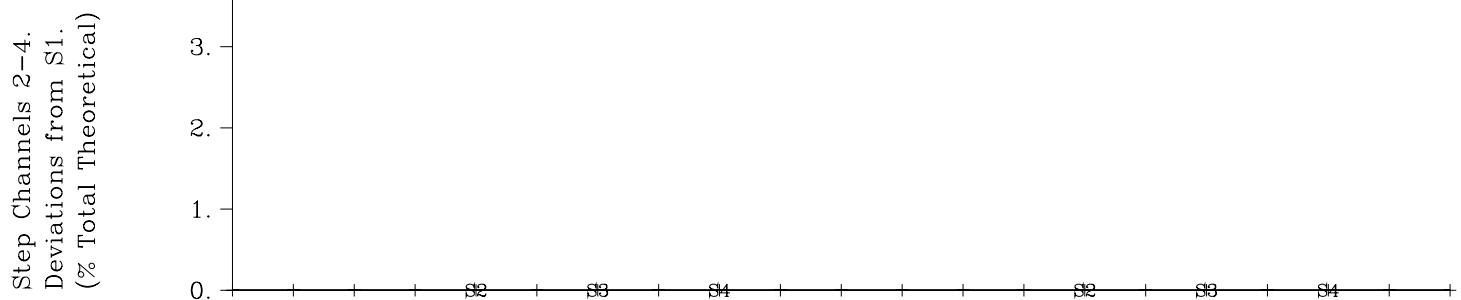
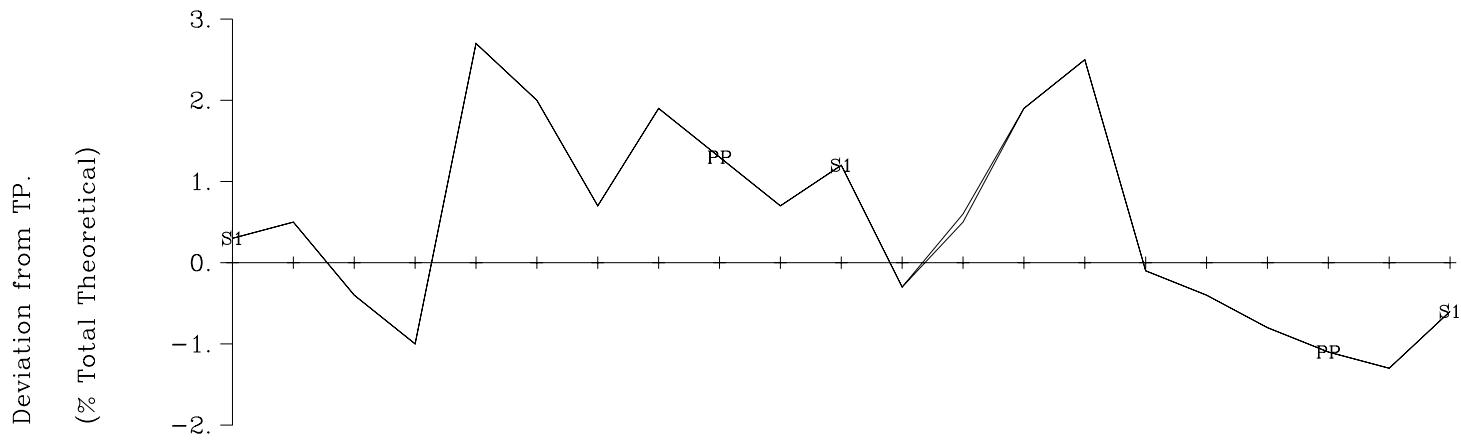
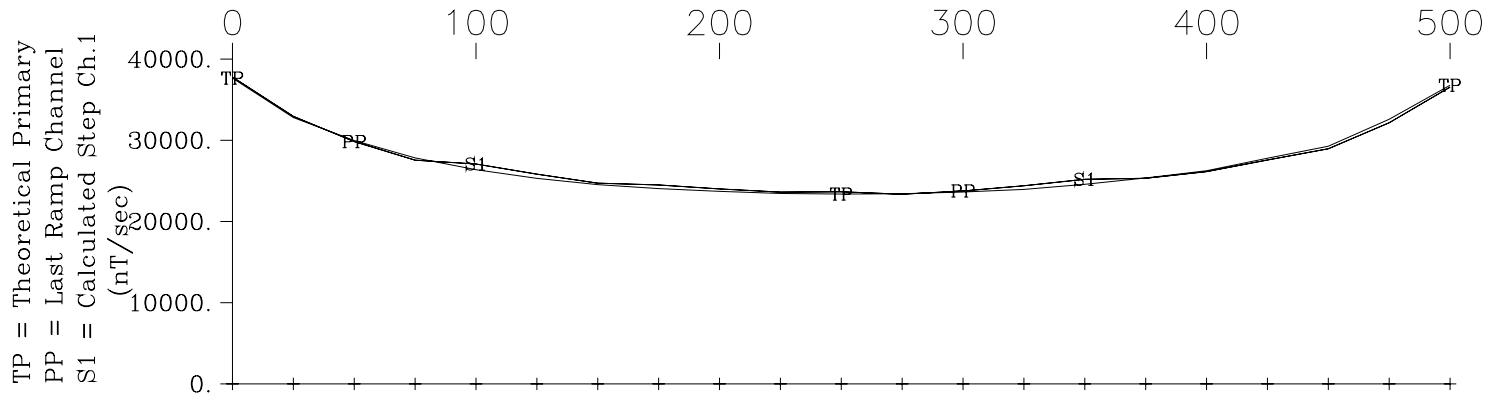


North American Nickel P-008
 Loop P-008, Line 50N X Component
 Crone Geophysics & Exploration Ltd.

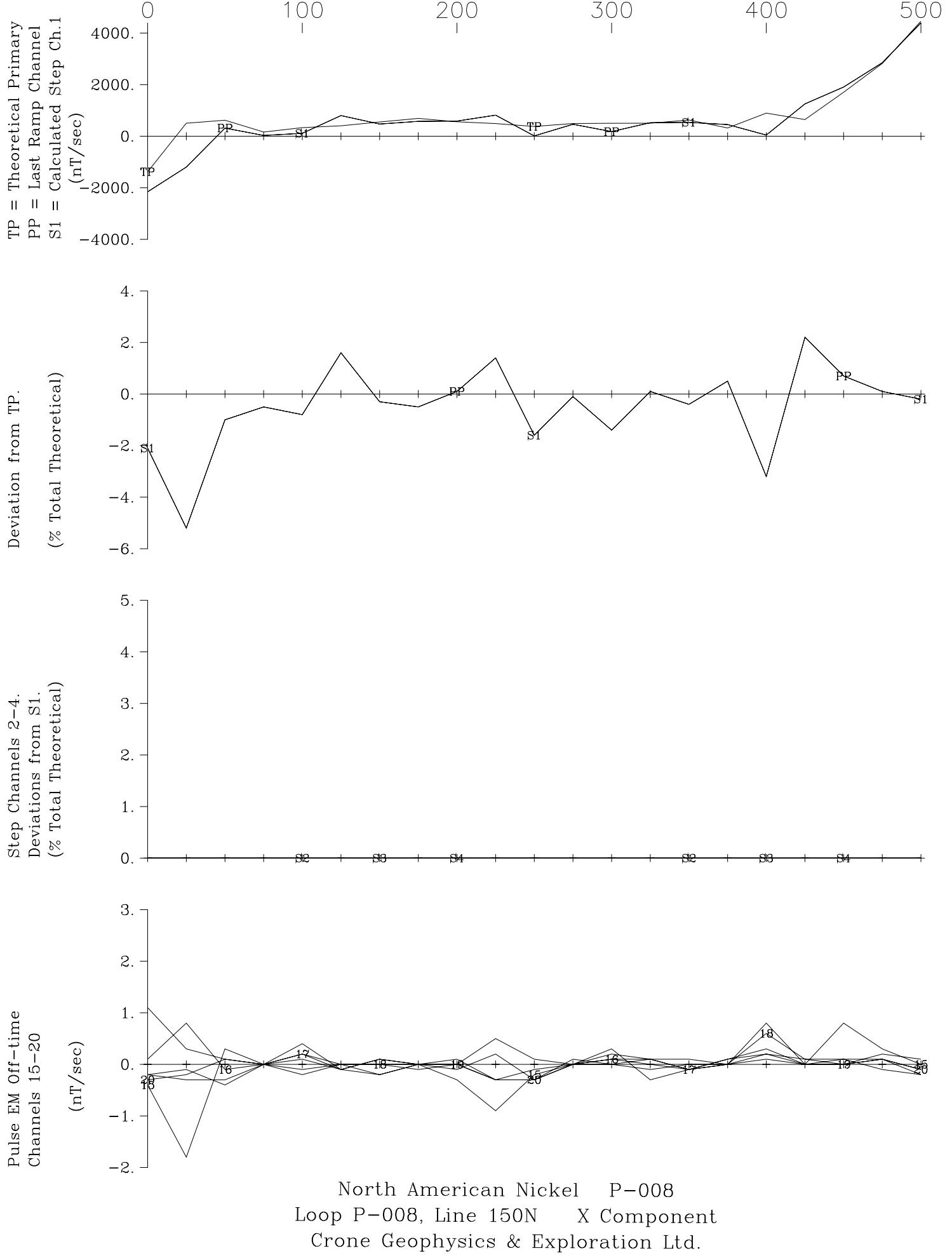


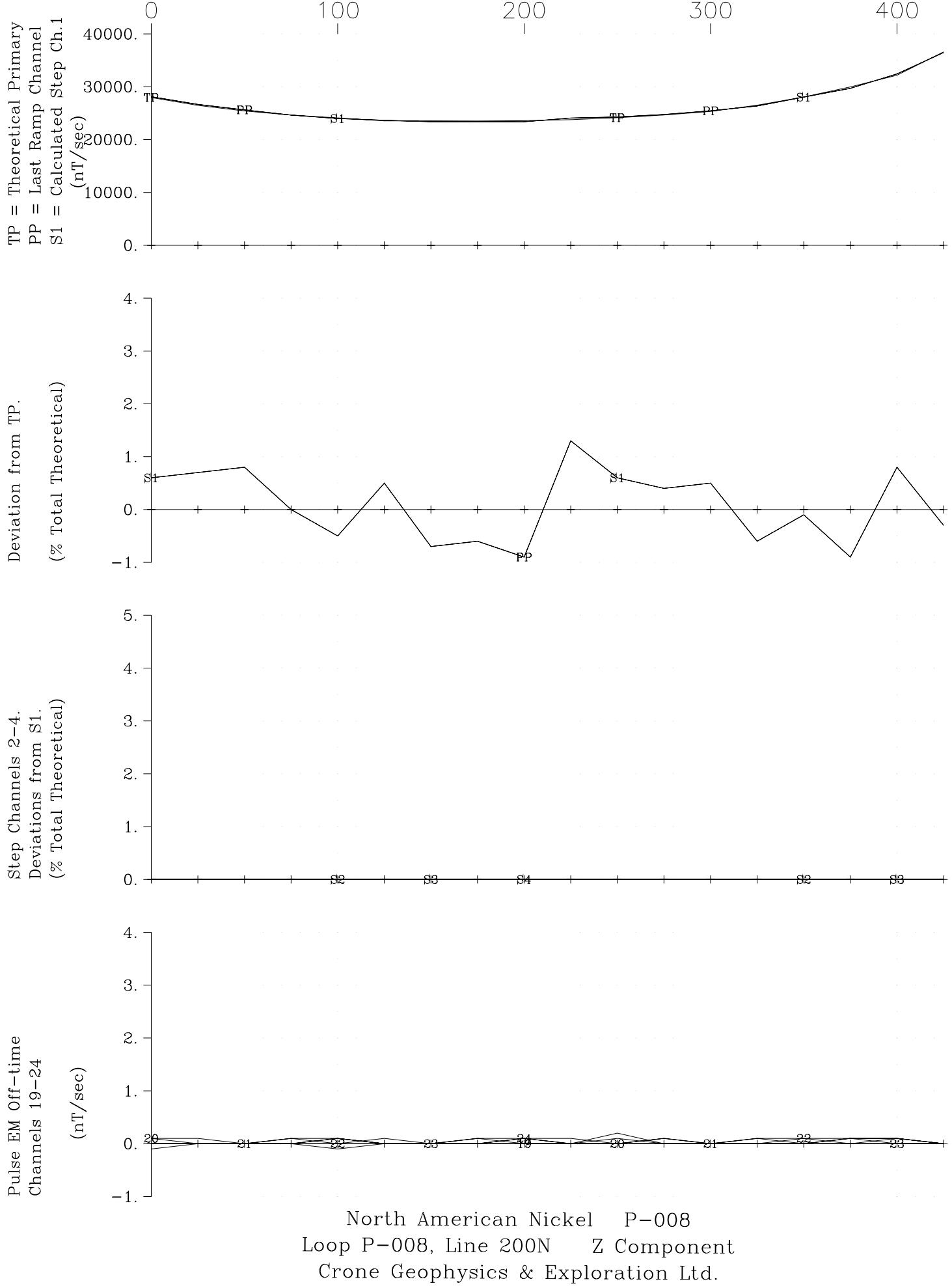


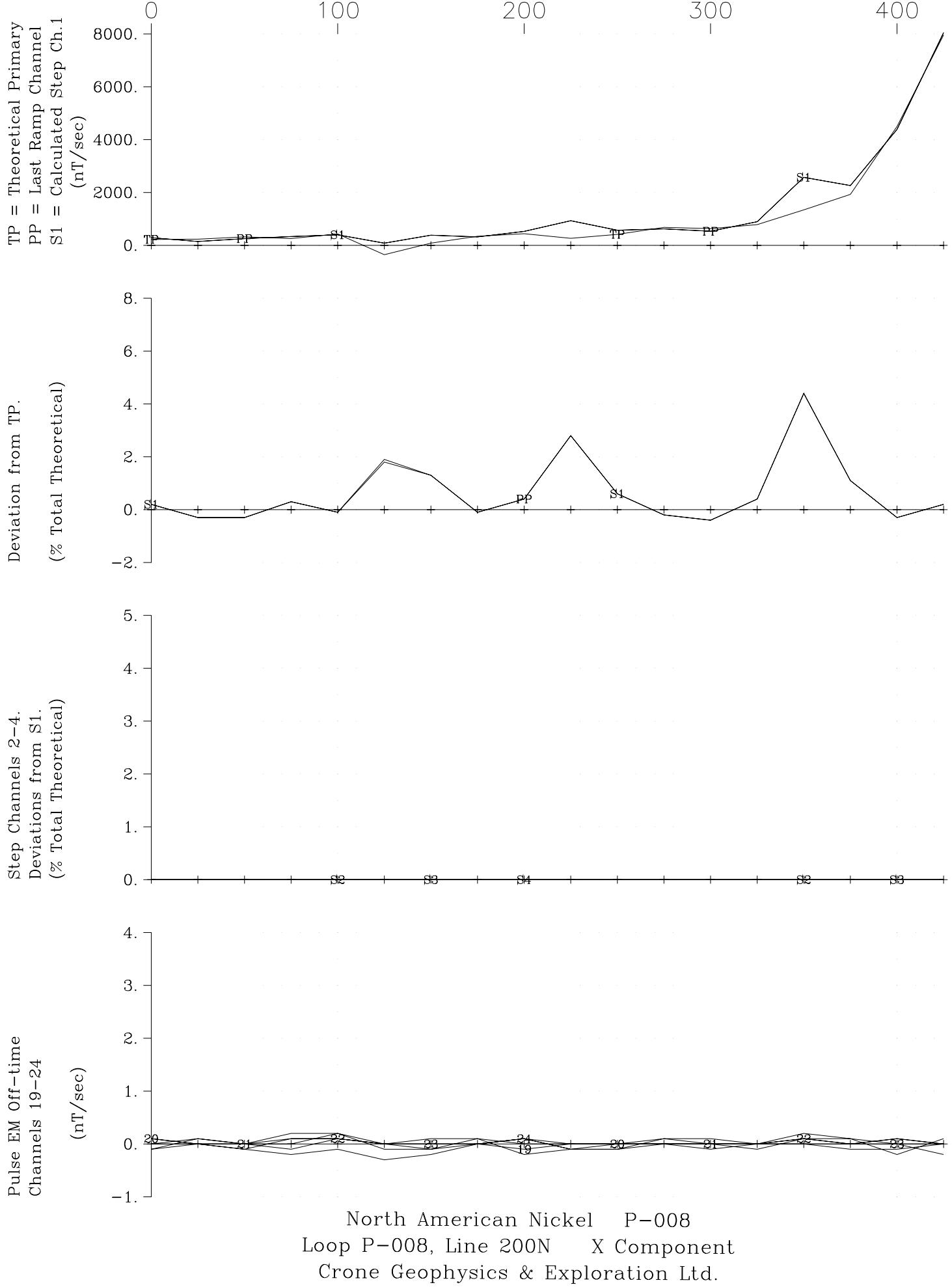
North American Nickel P-008
 Loop P-008, Line 100N X Component
 Crone Geophysics & Exploration Ltd.

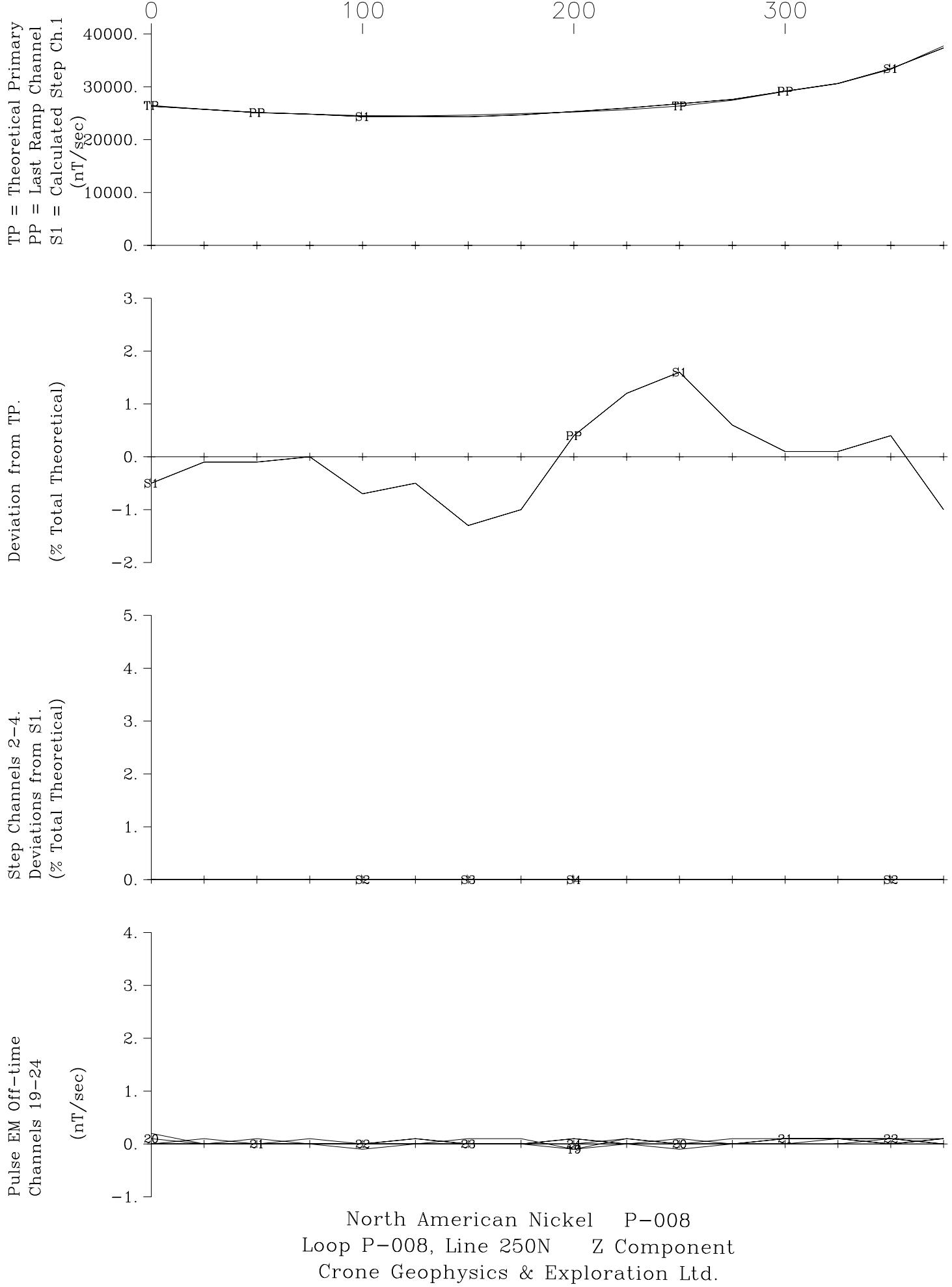


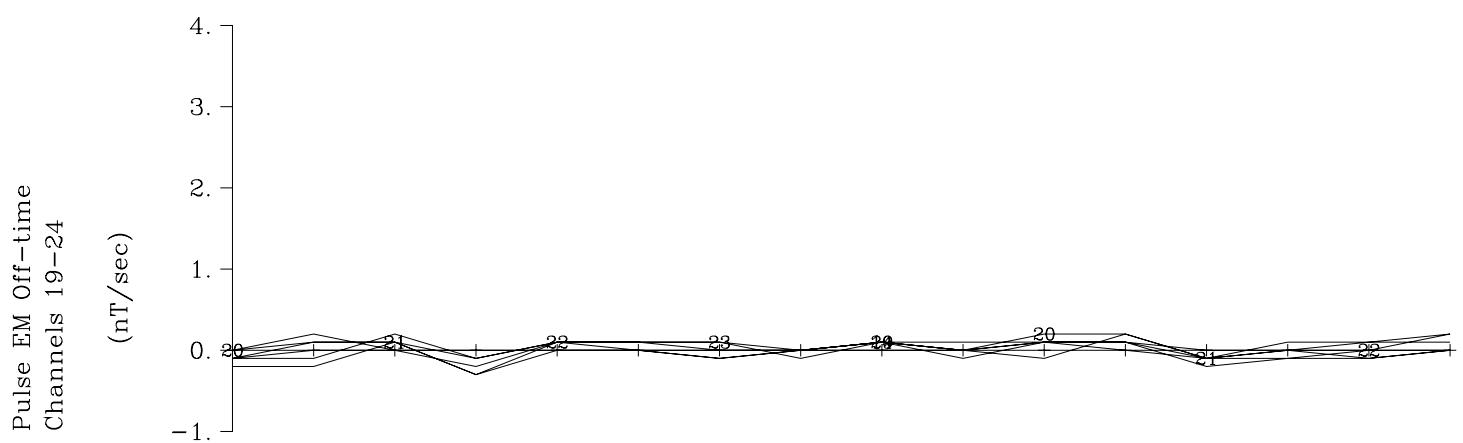
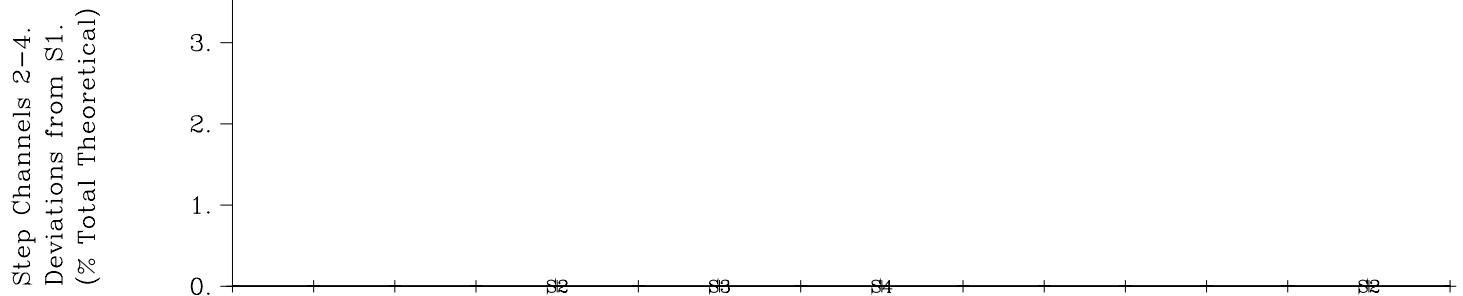
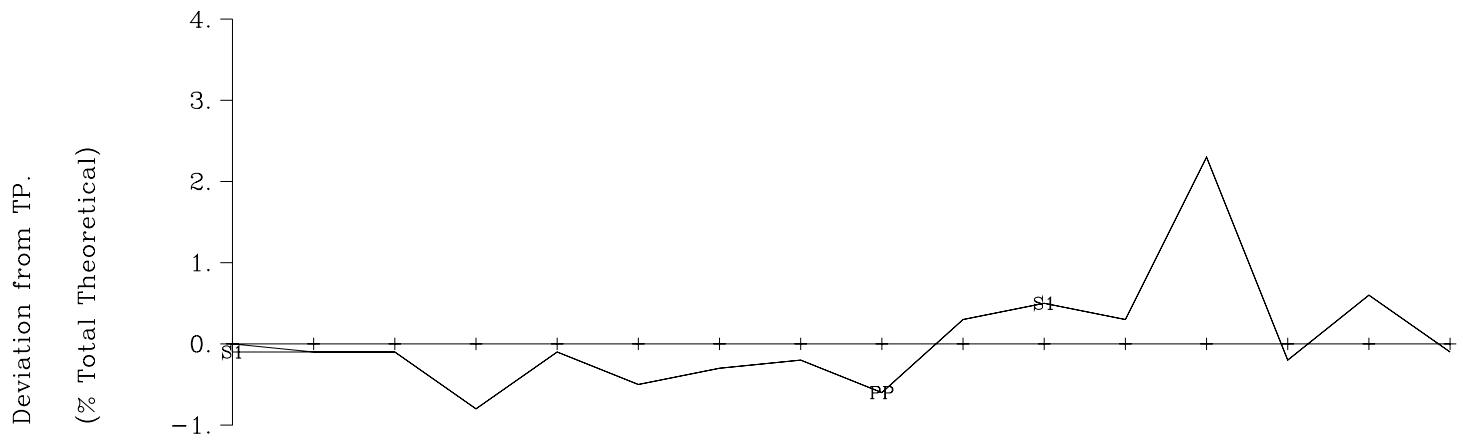
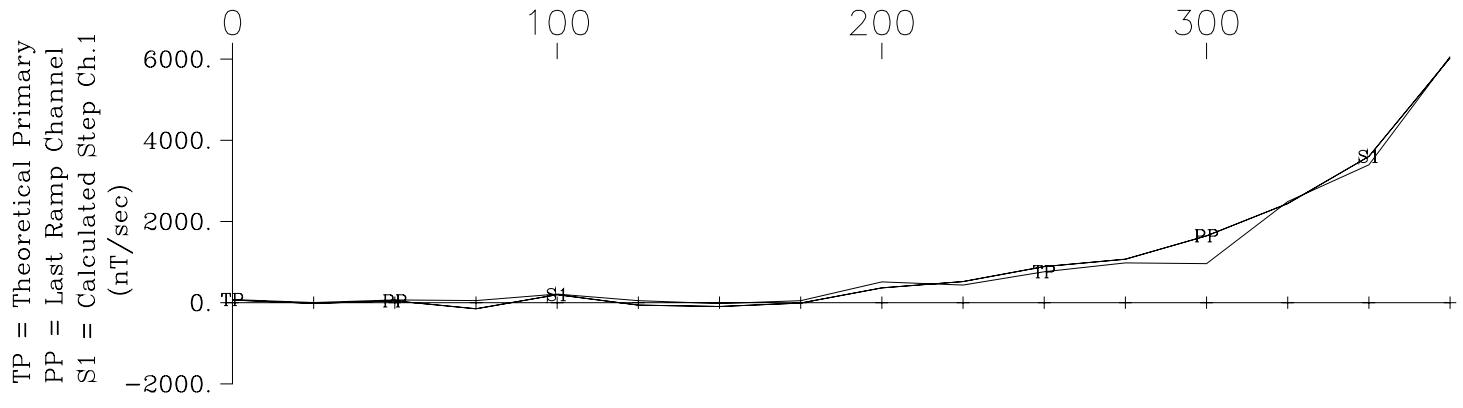
North American Nickel P-008
 Loop P-008, Line 150N Z Component
 Crone Geophysics & Exploration Ltd.

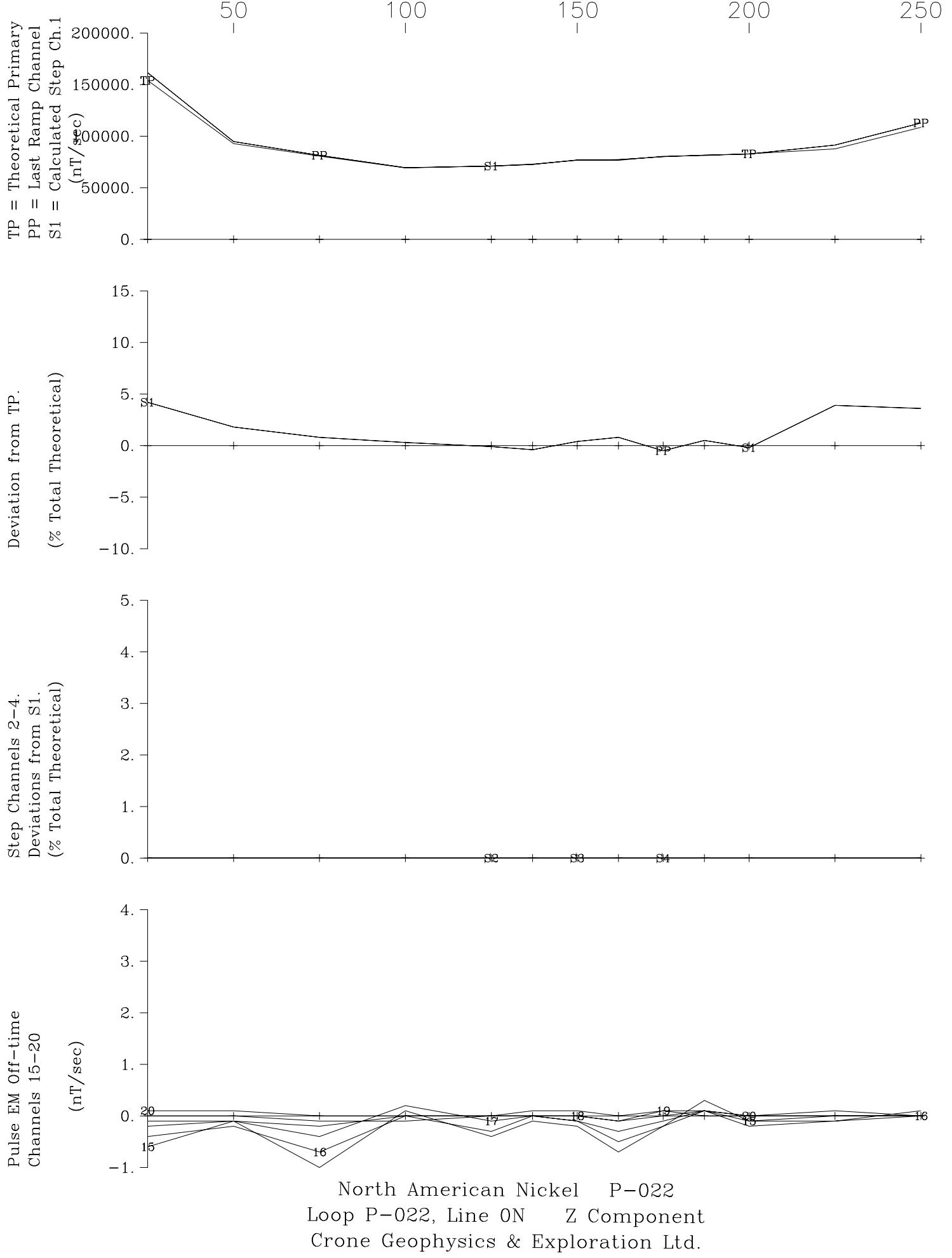


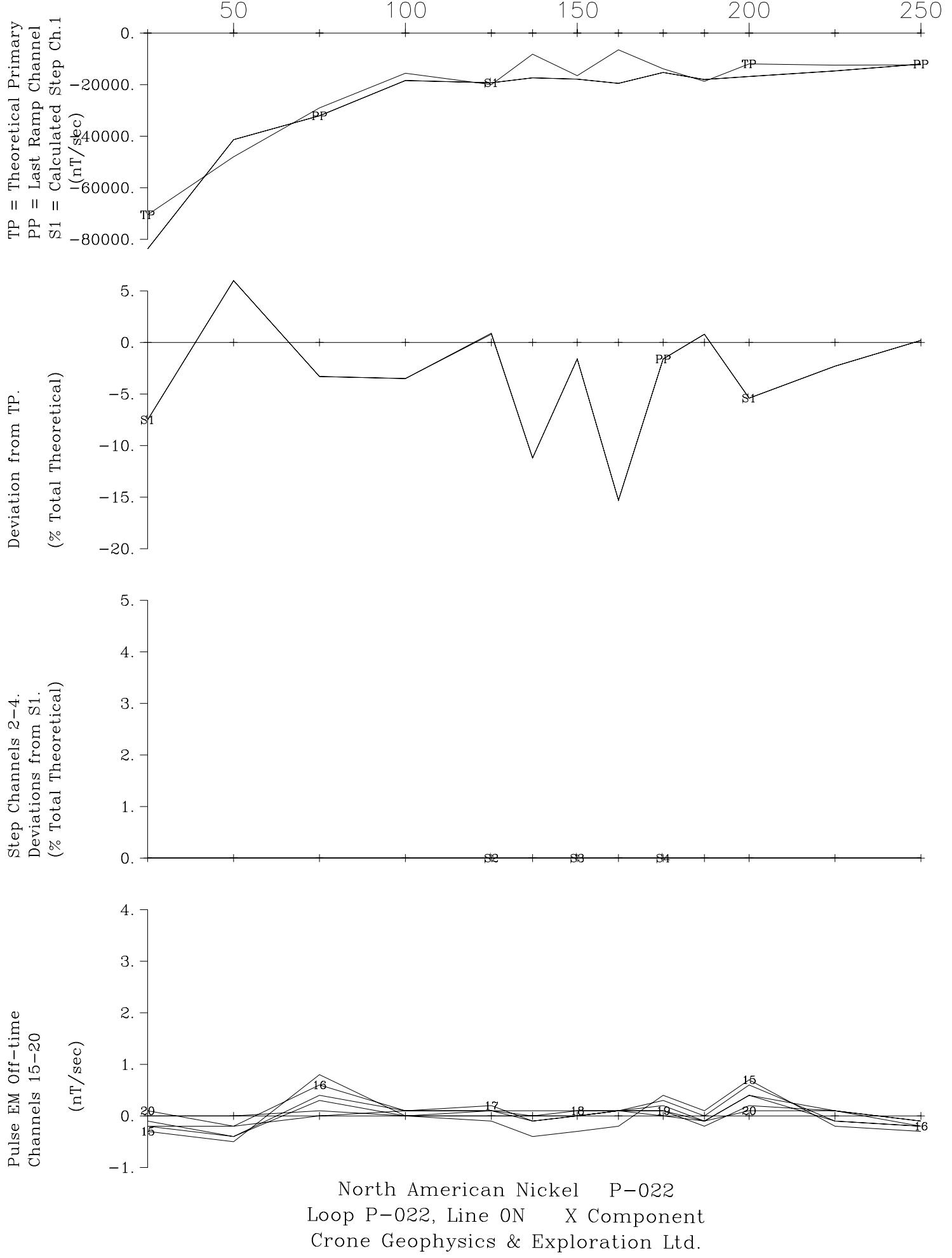


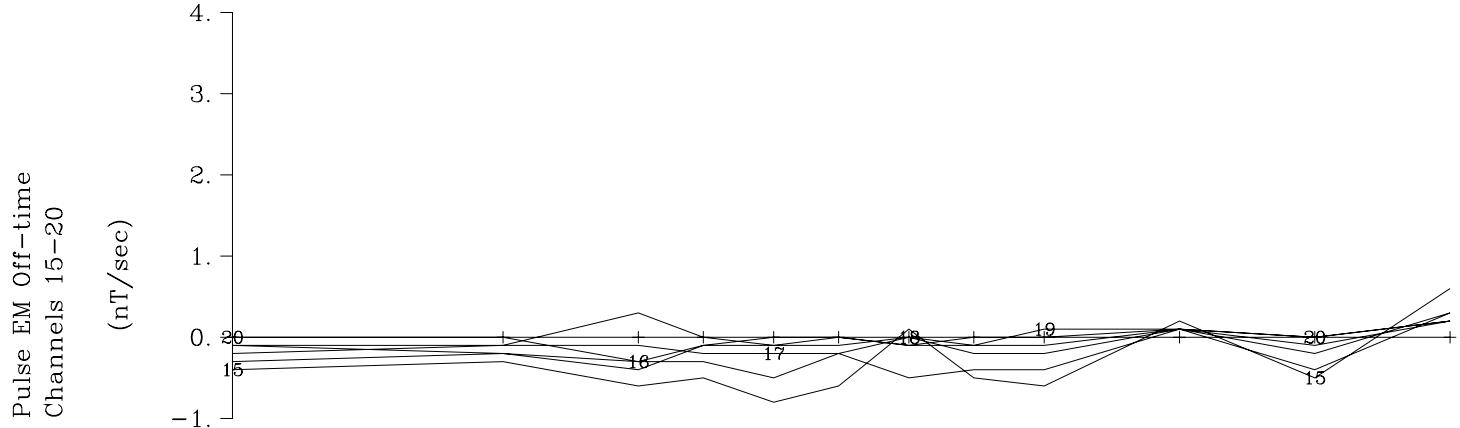
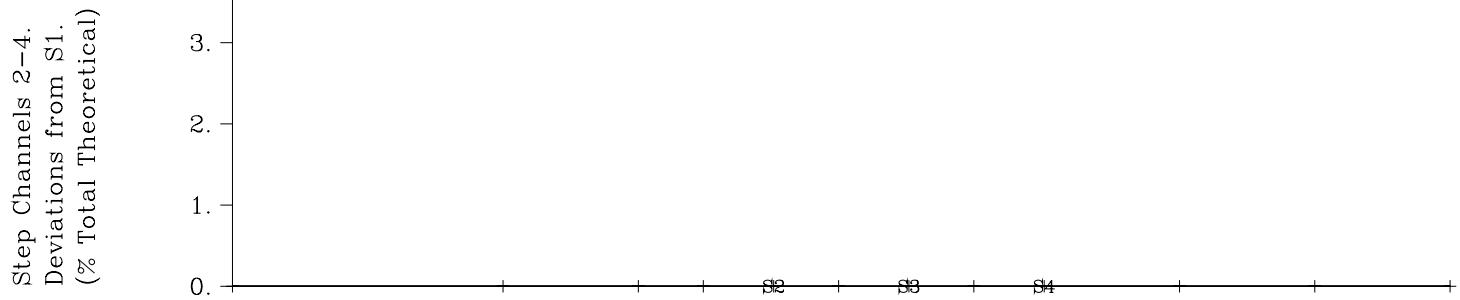
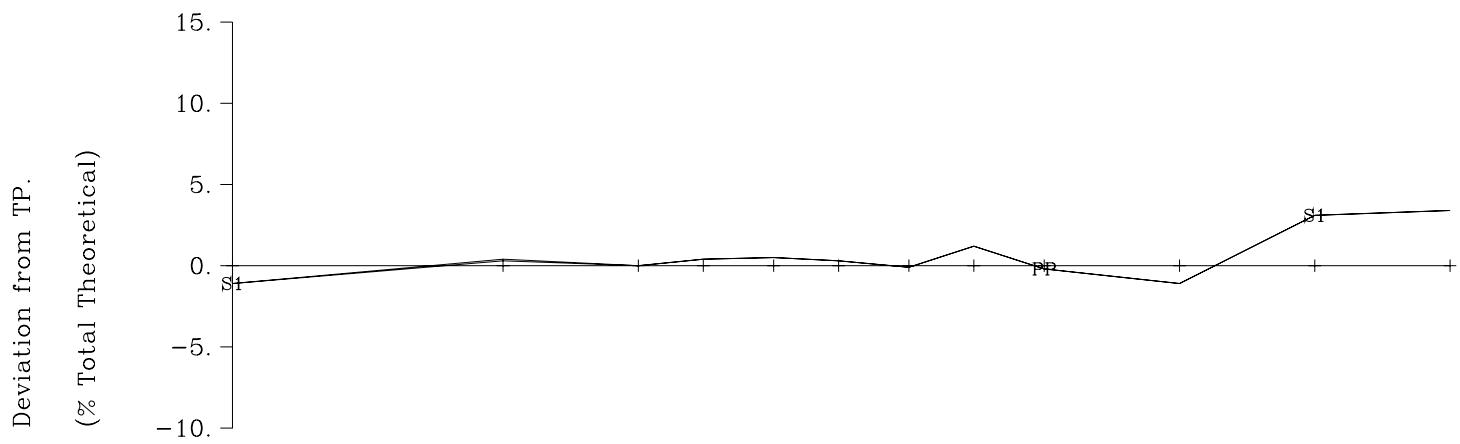
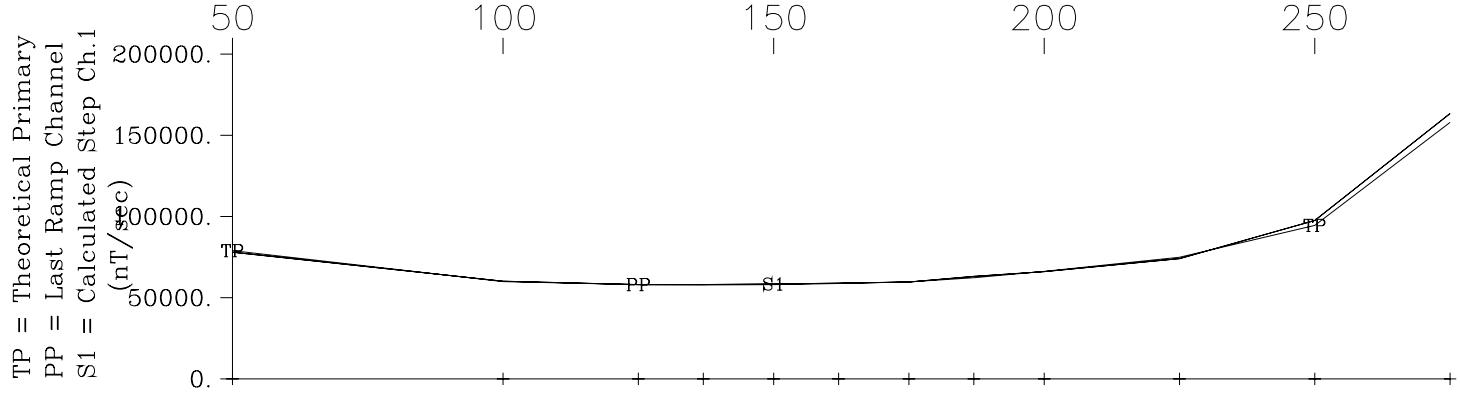




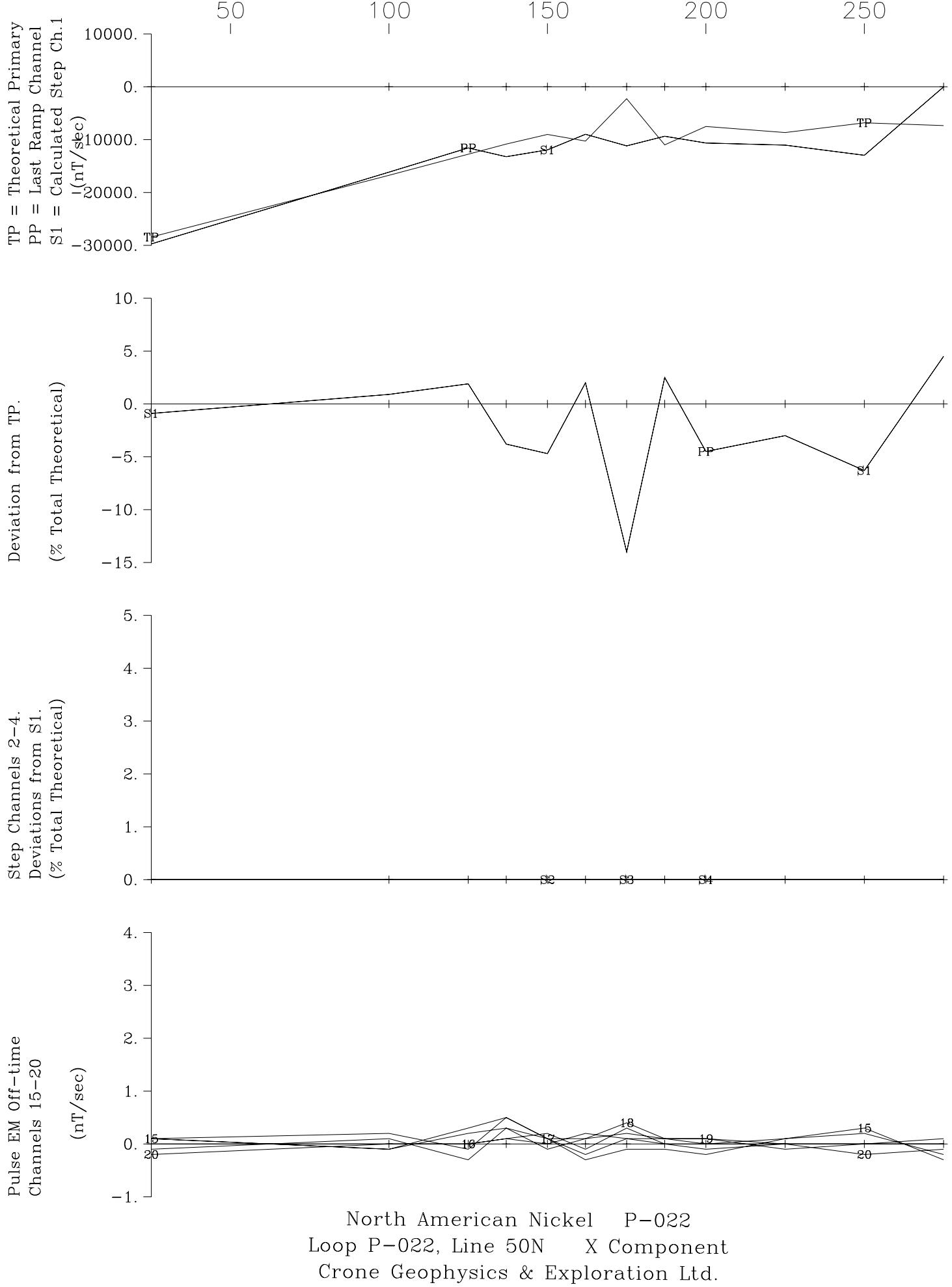


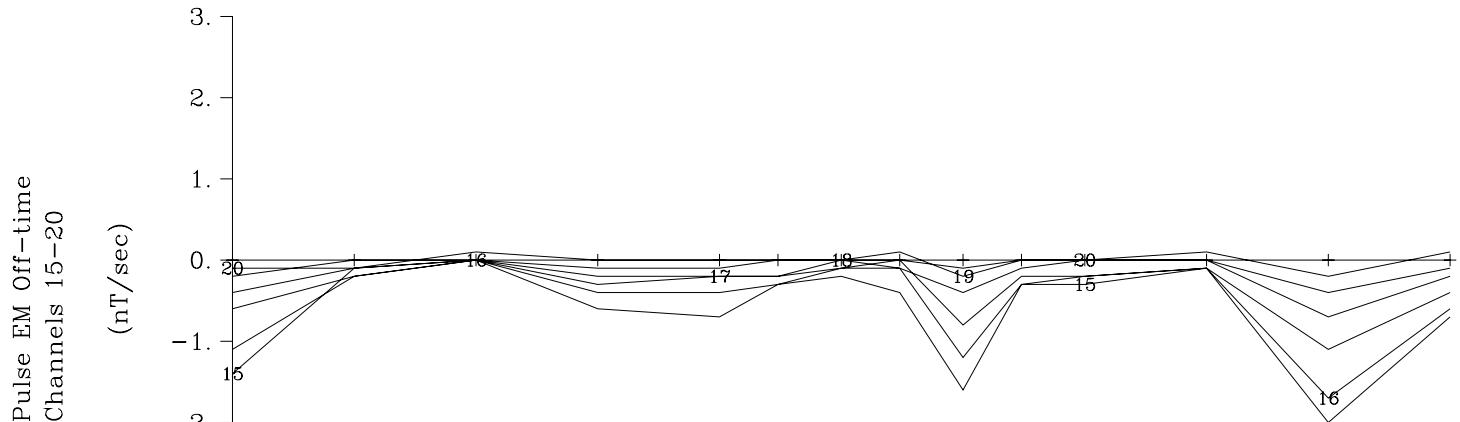
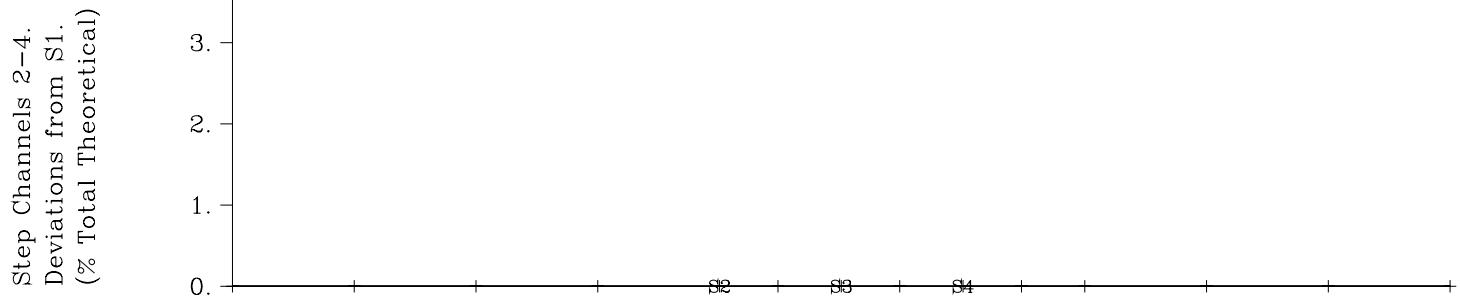
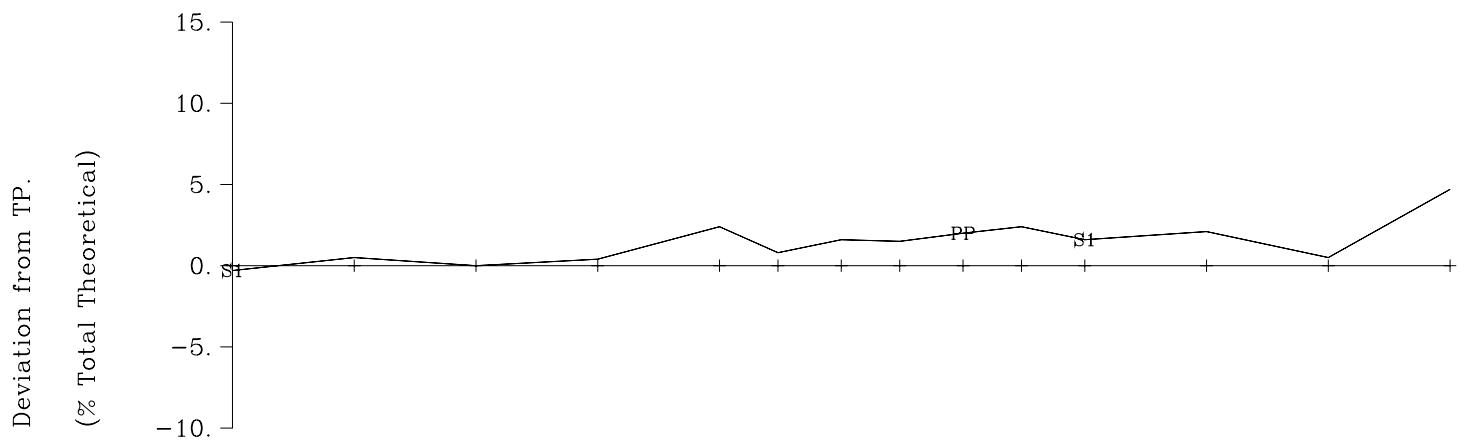
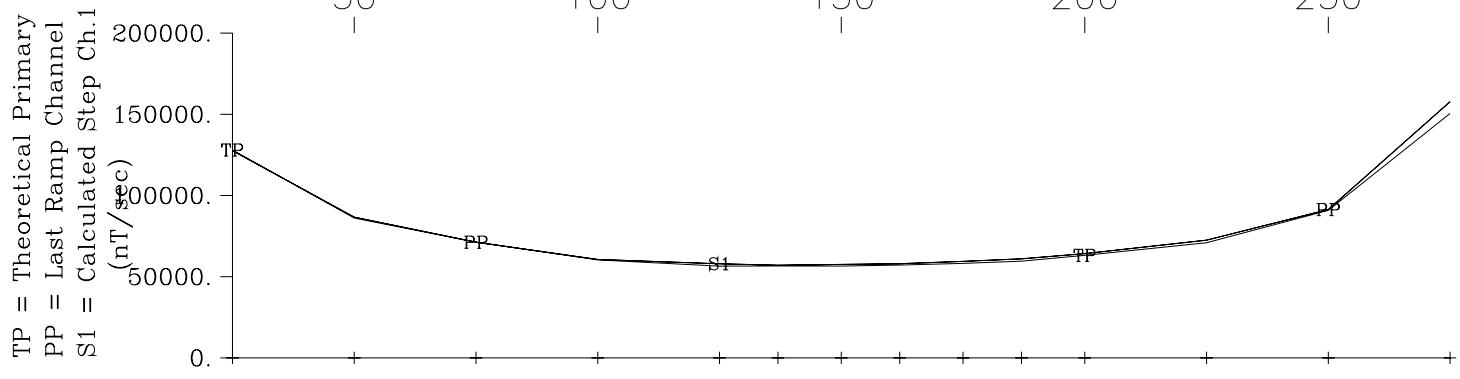




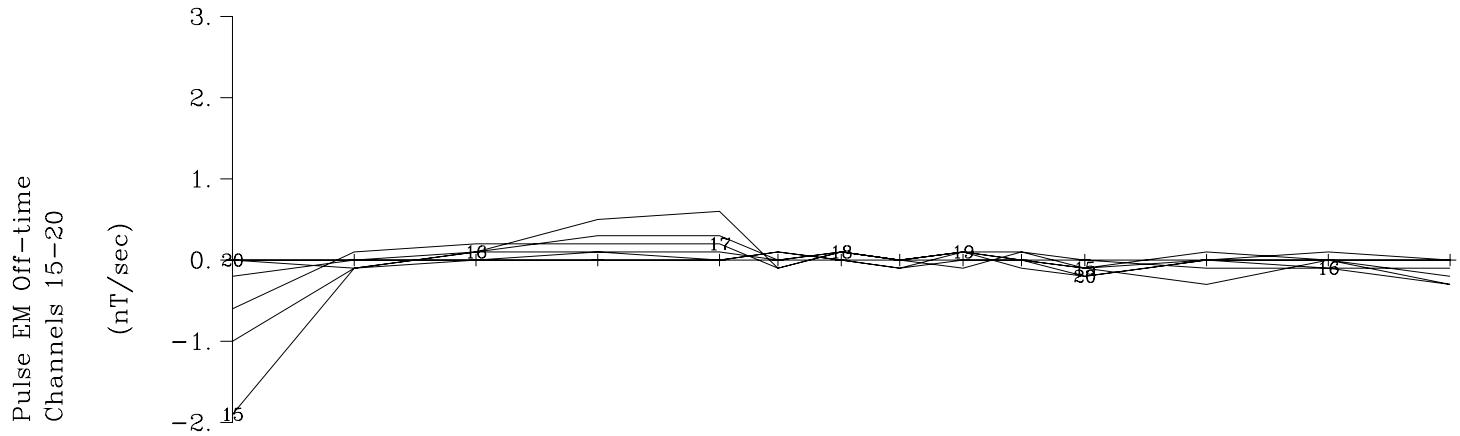
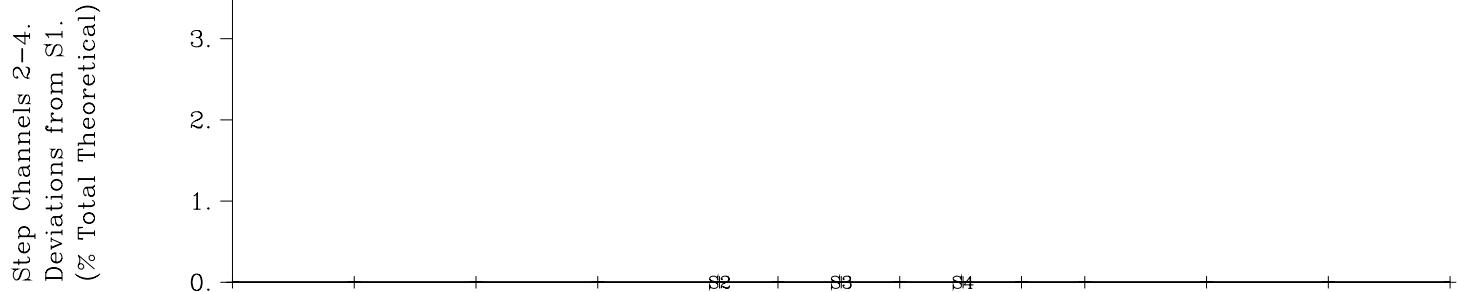
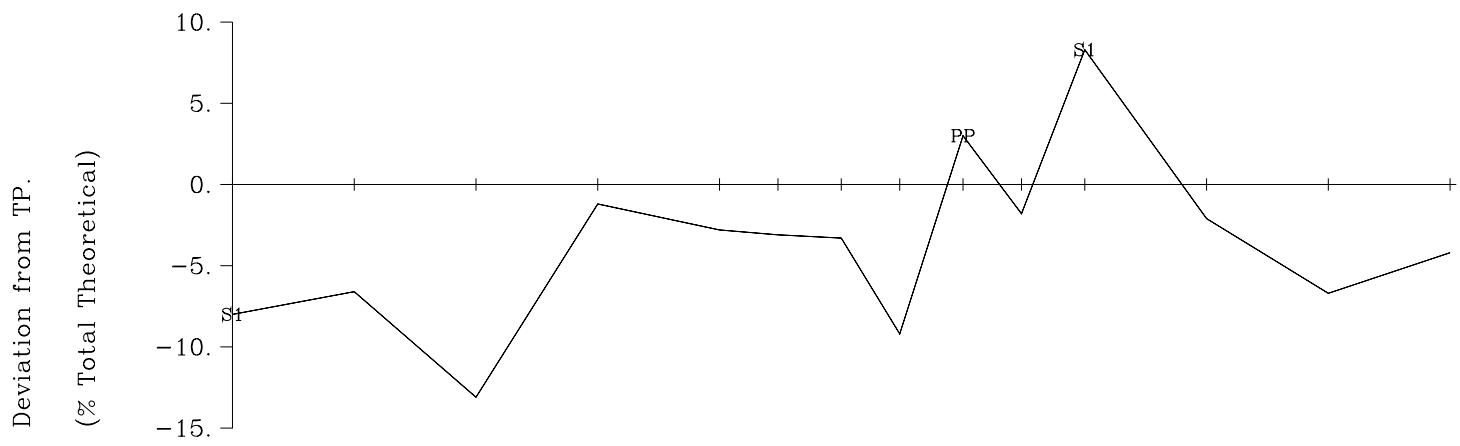
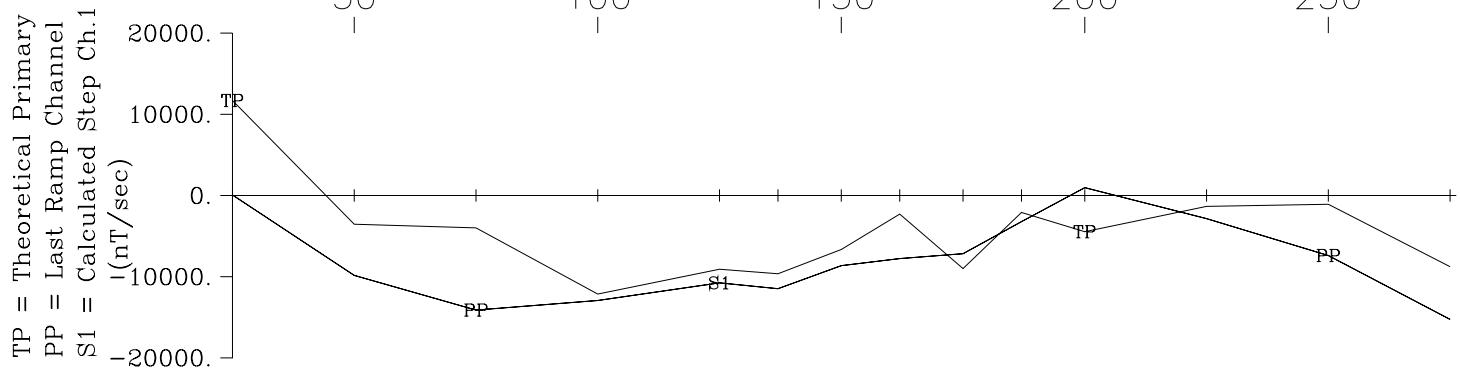


North American Nickel P-022
 Loop P-022, Line 50N Z Component
 Crone Geophysics & Exploration Ltd.

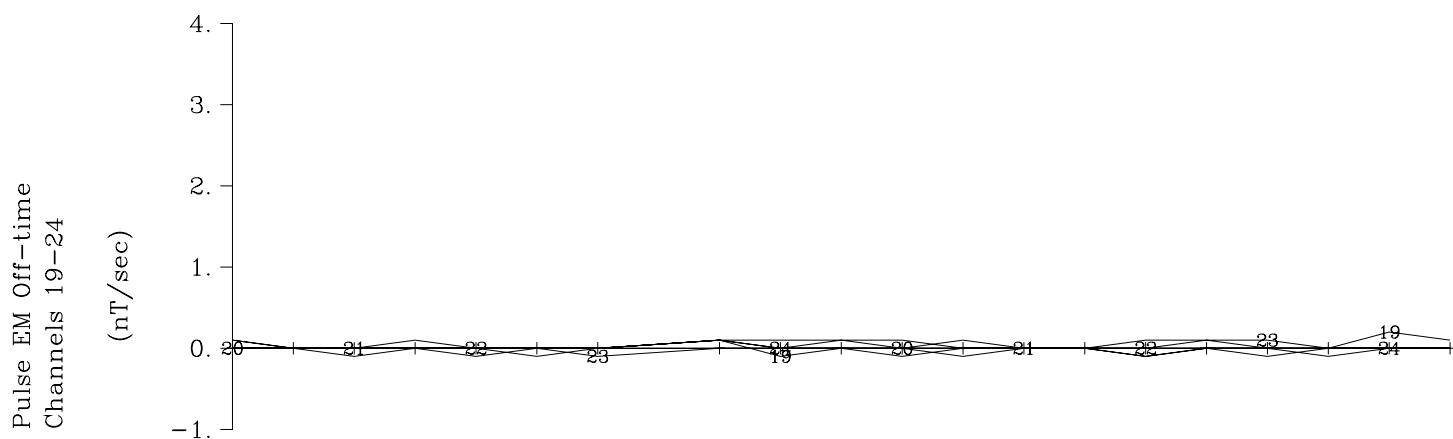
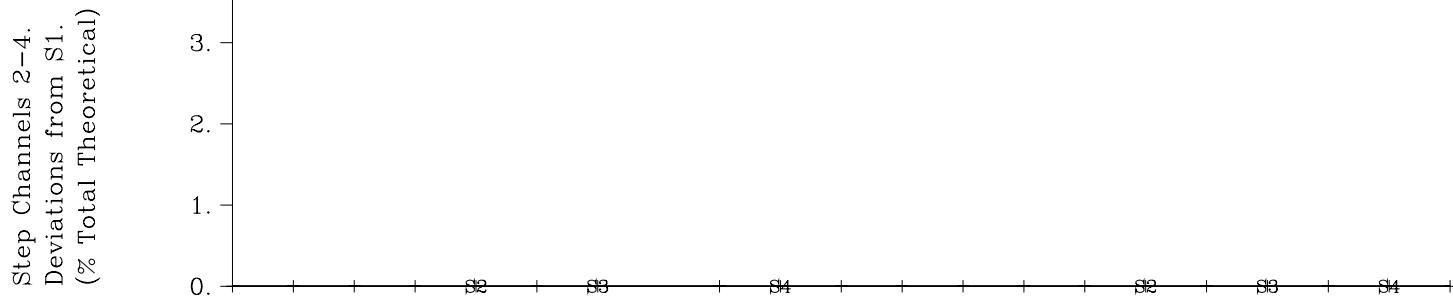
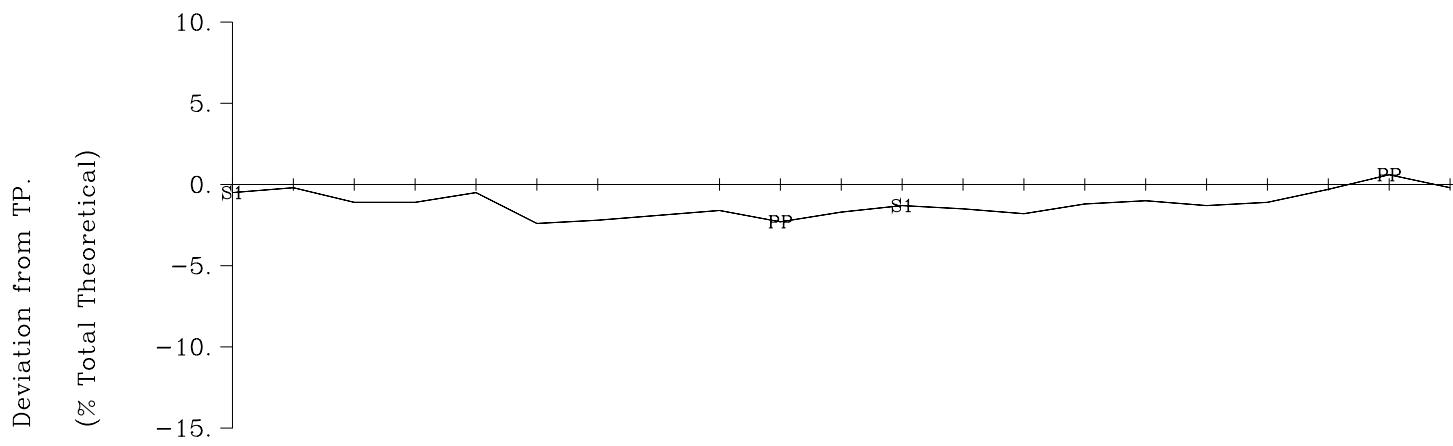
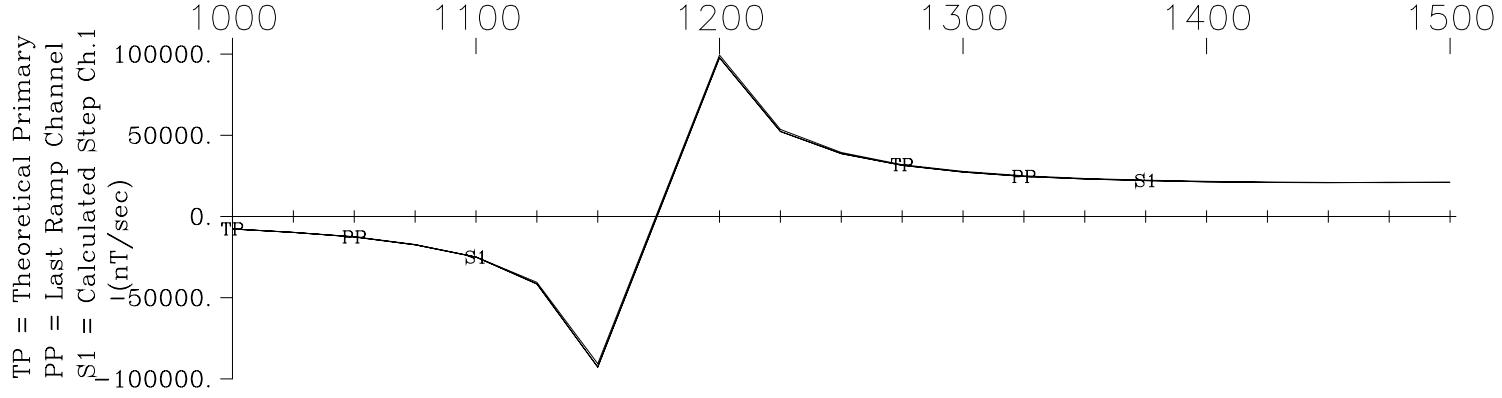




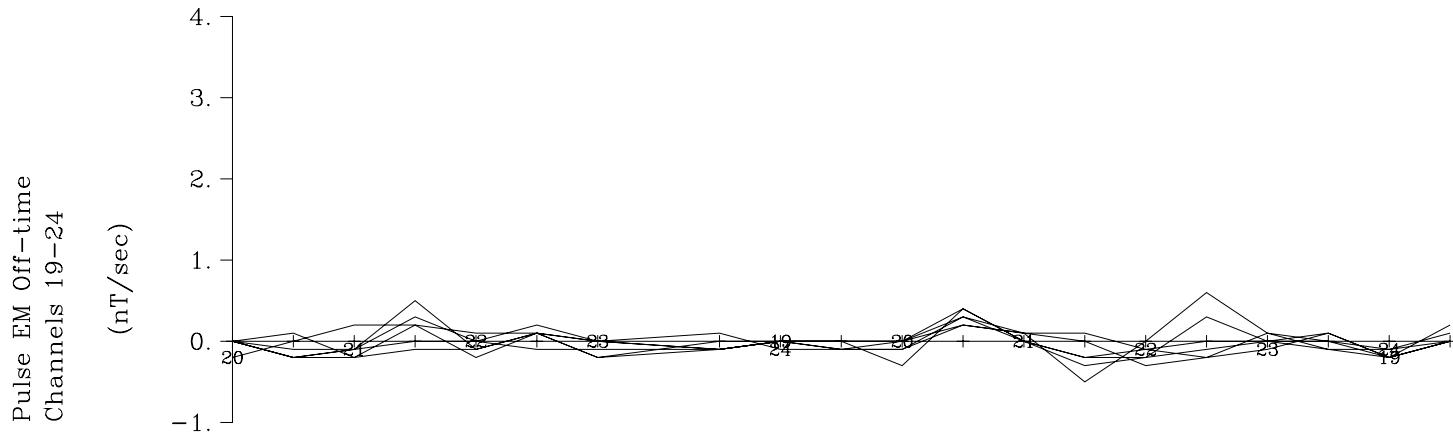
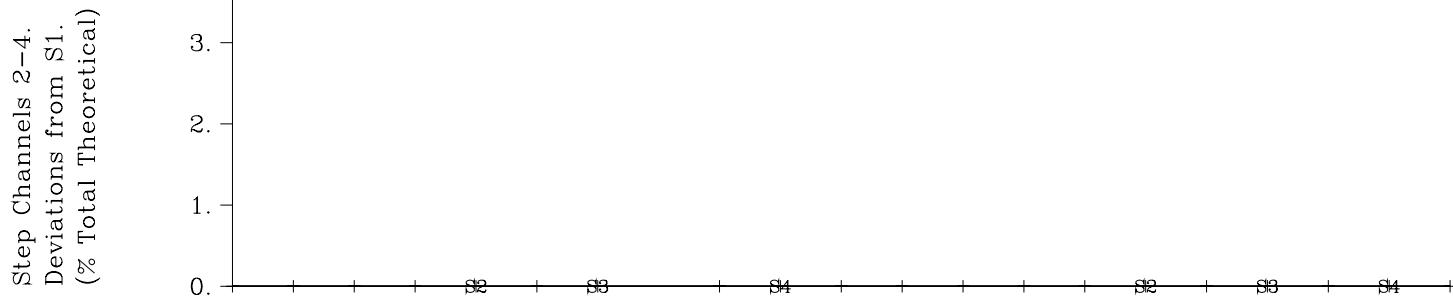
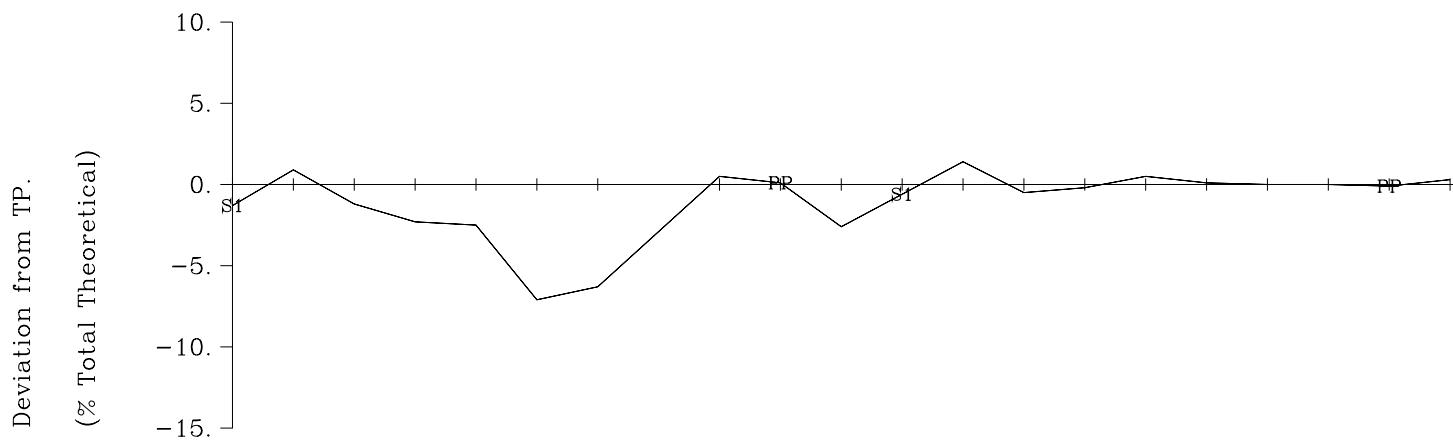
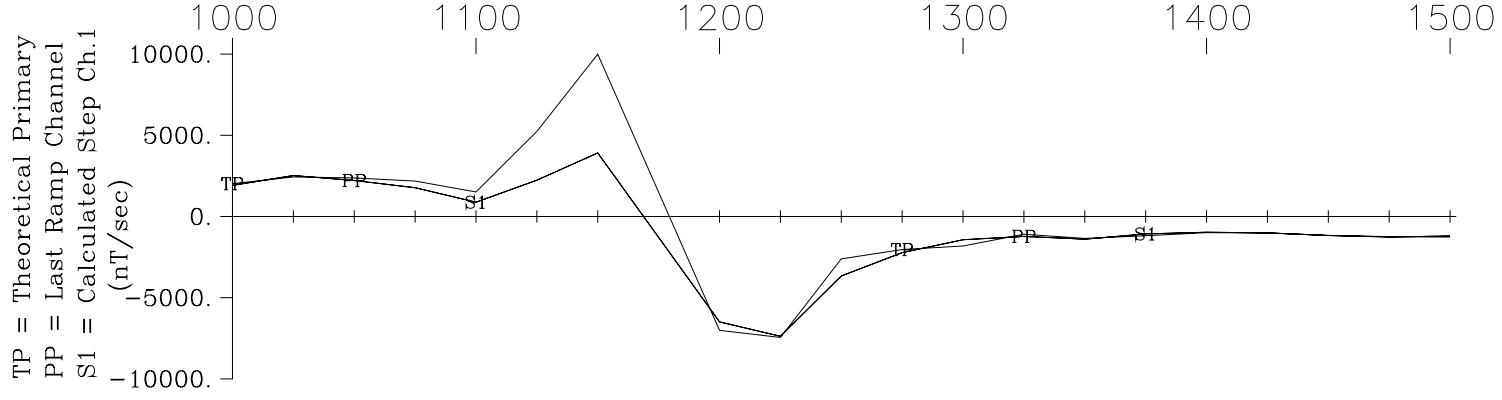
North American Nickel P-022
 Loop P-022, Line 100N Z Component
 Crone Geophysics & Exploration Ltd.



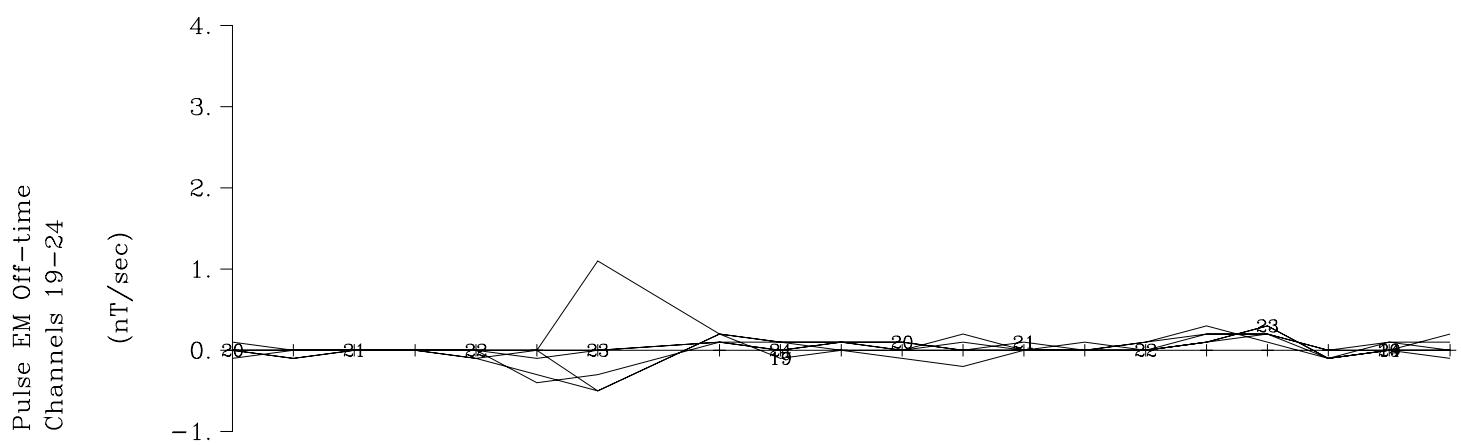
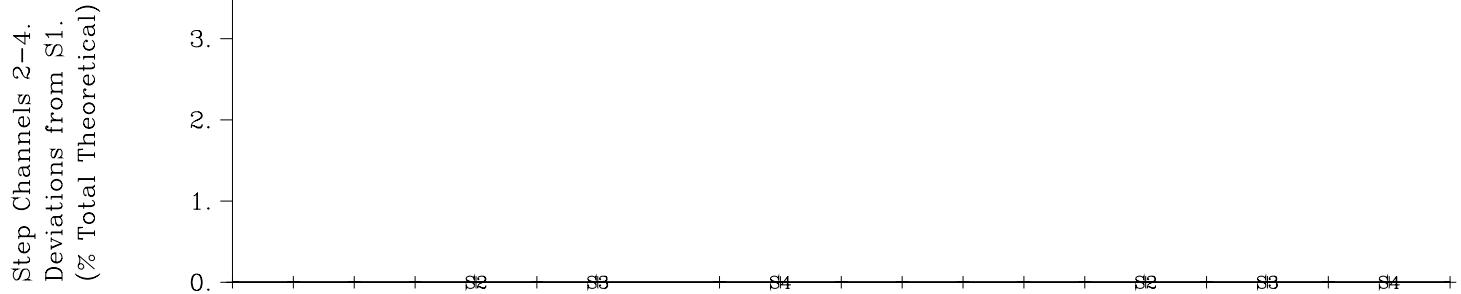
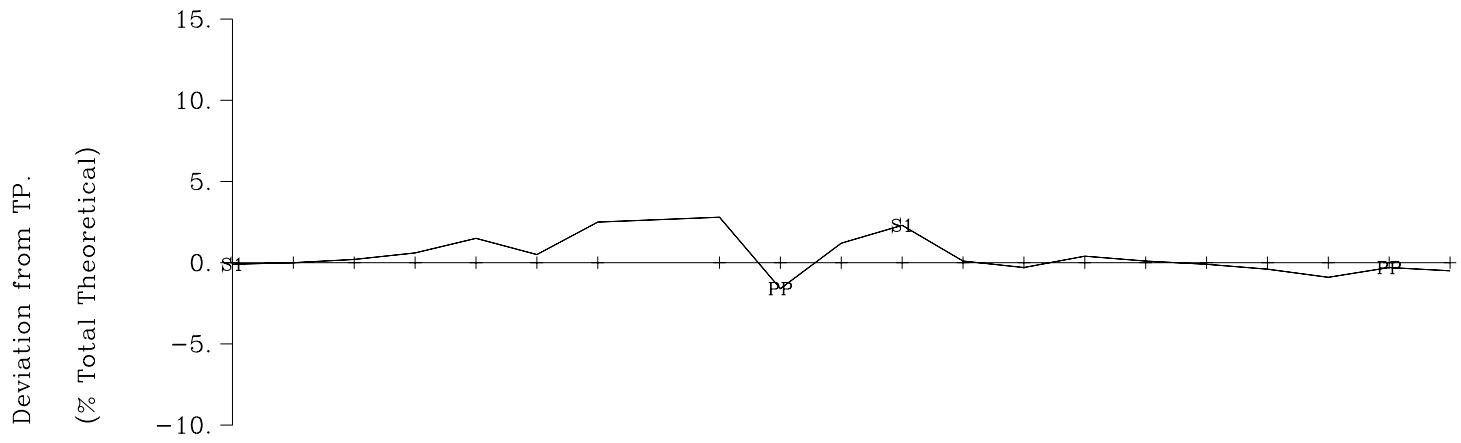
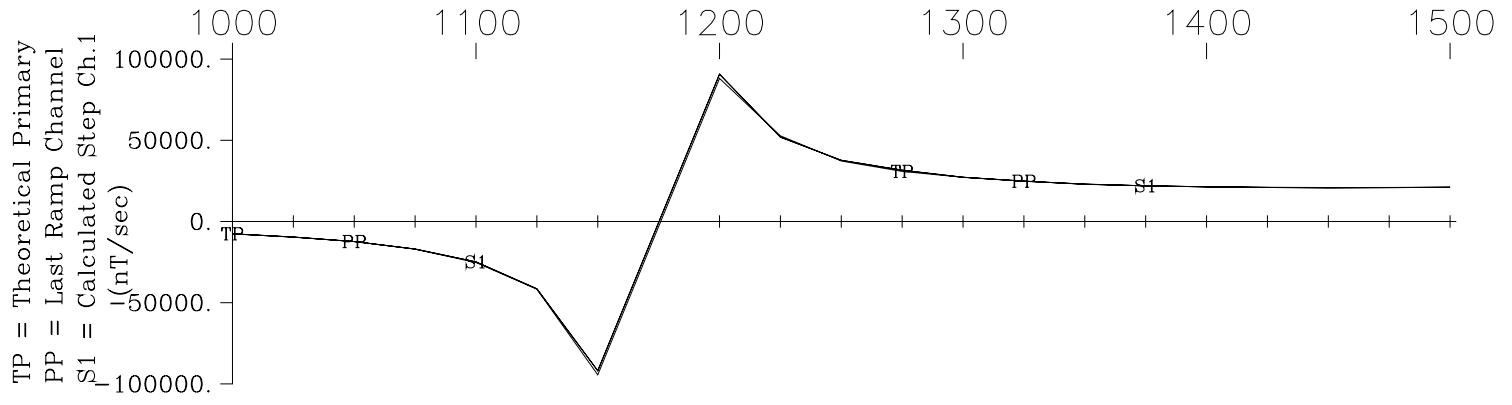
North American Nickel P-022
 Loop P-022, Line 100N X Component
 Crone Geophysics & Exploration Ltd.



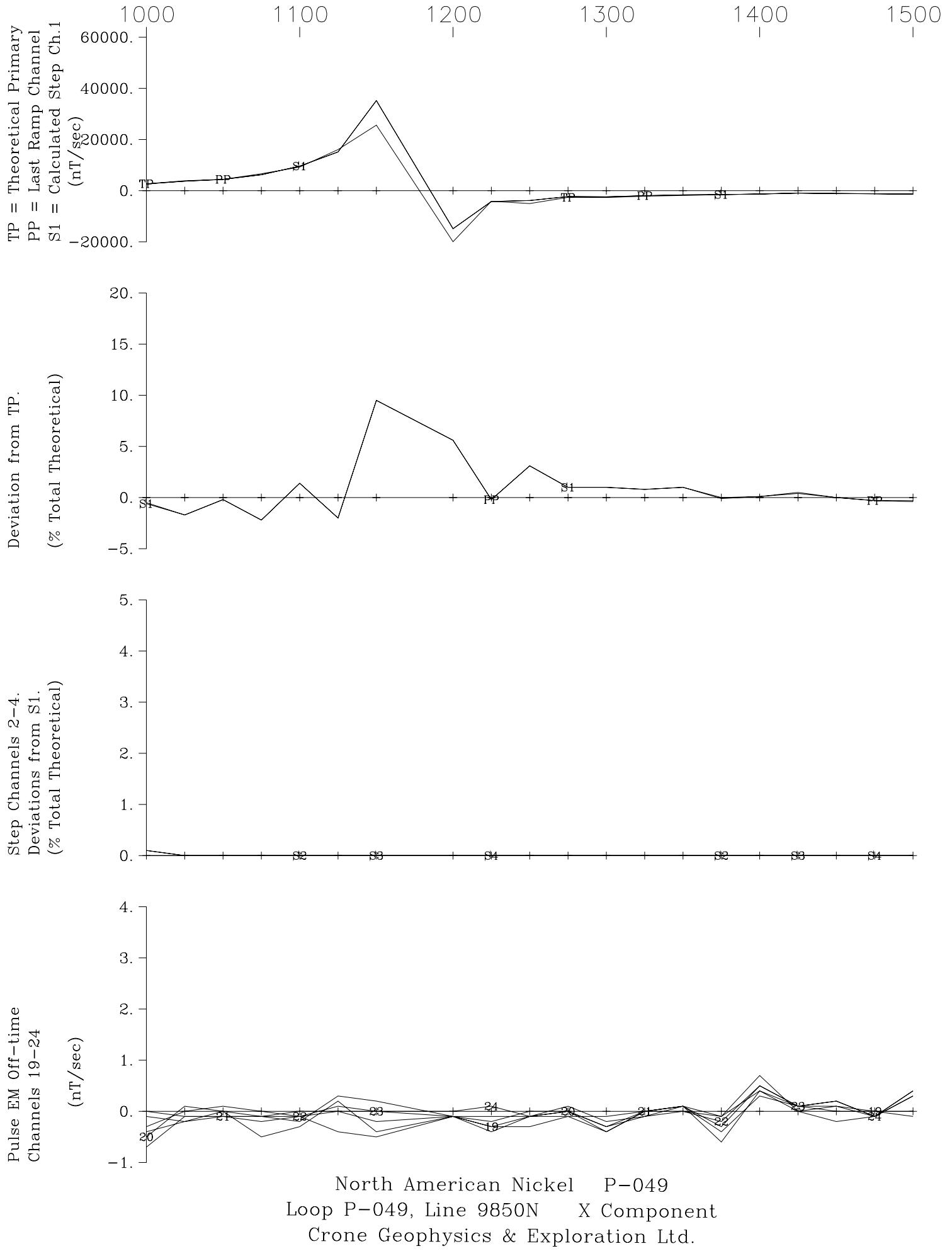
North American Nickel P-049
 Loop P-049, Line 9800N Z Component
 Crone Geophysics & Exploration Ltd.

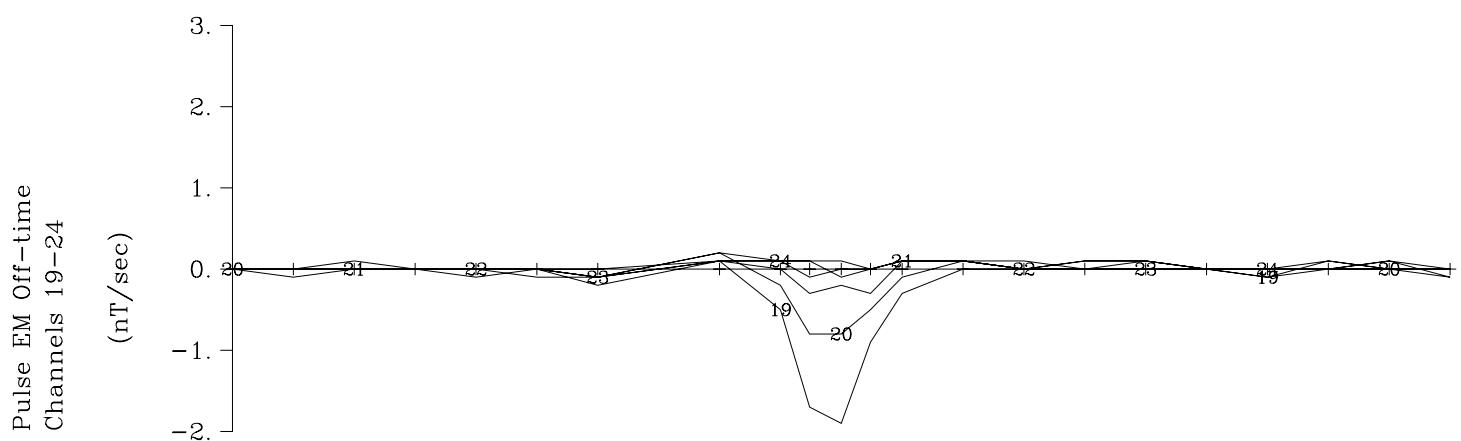
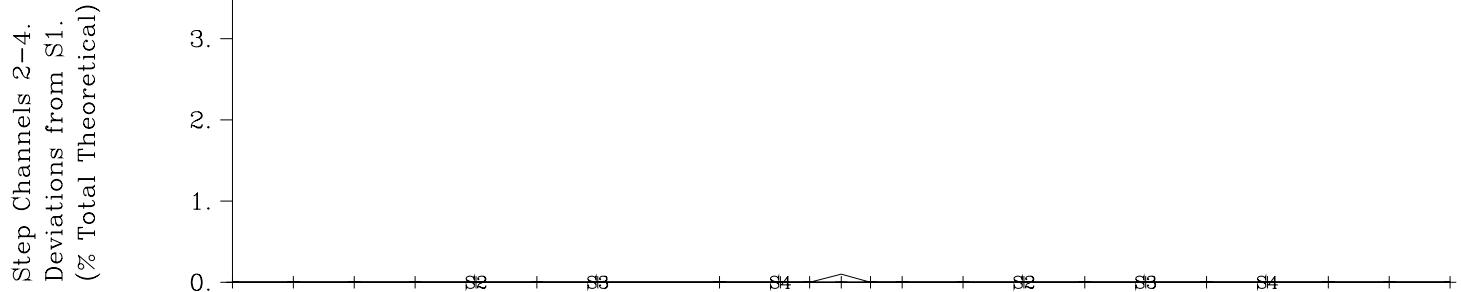
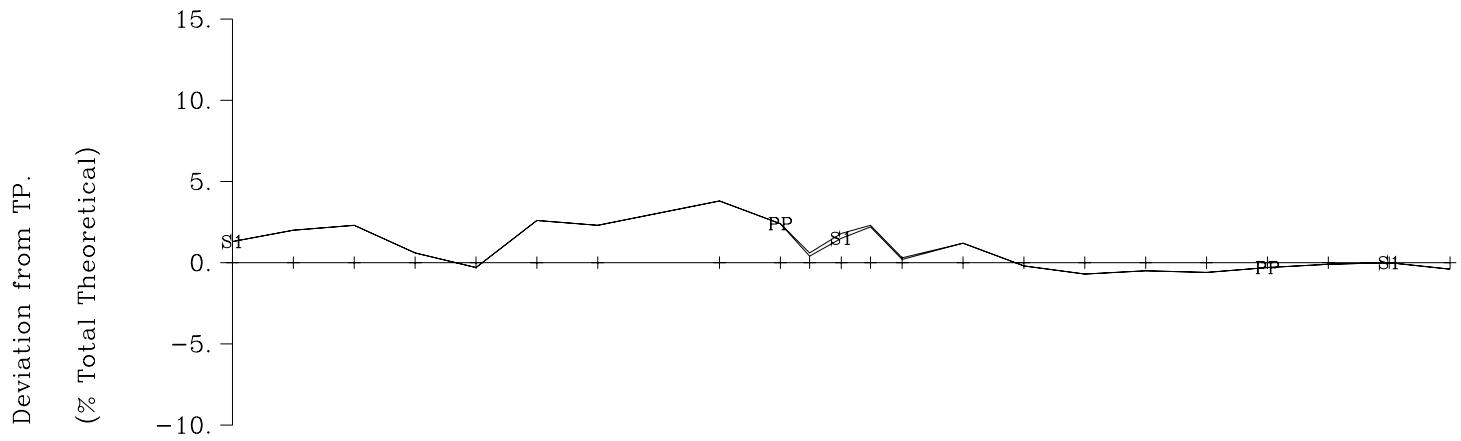
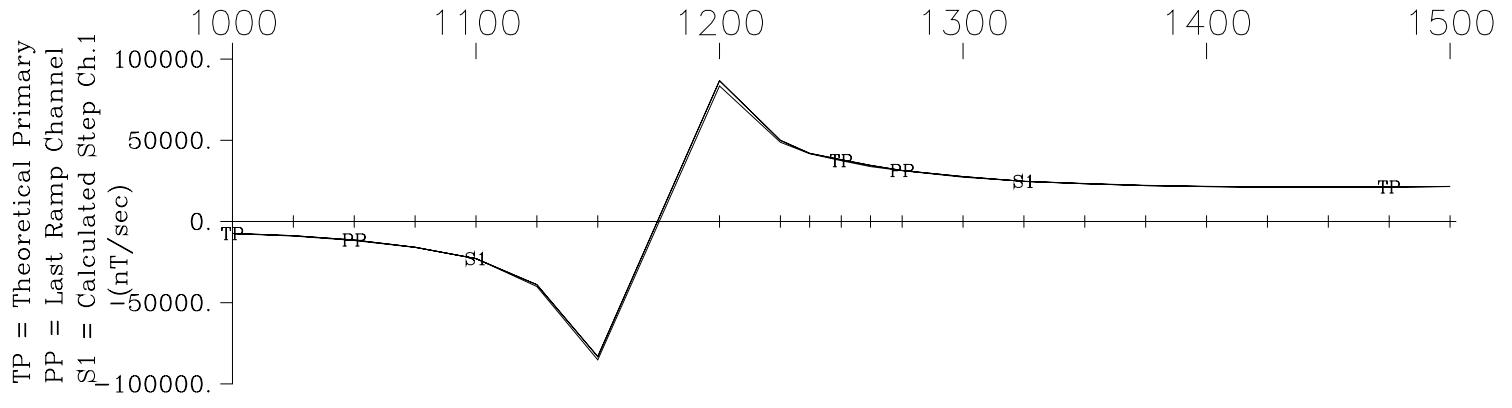


North American Nickel P-049
 Loop P-049, Line 9800N X Component
 Crone Geophysics & Exploration Ltd.

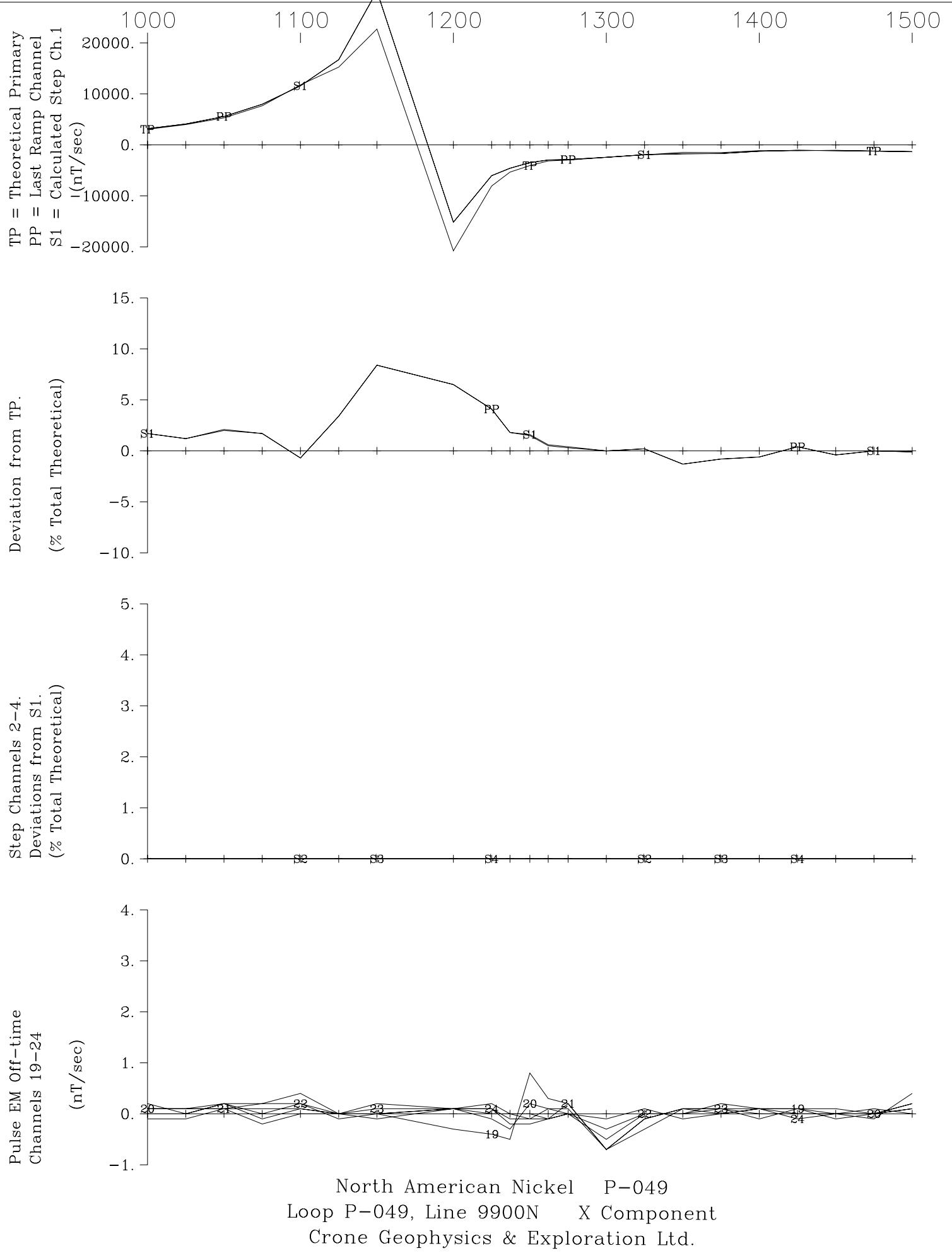


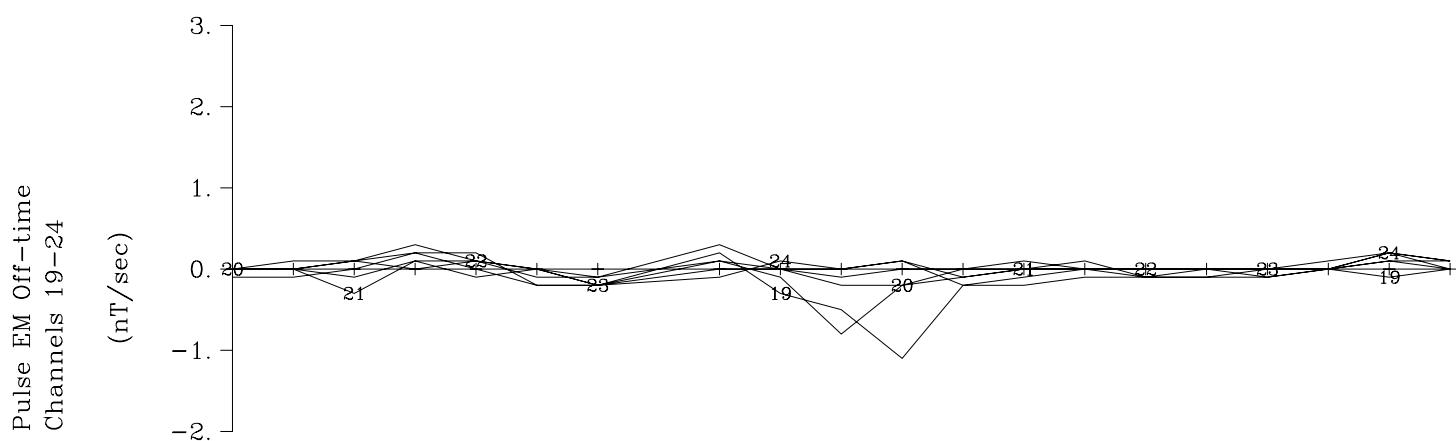
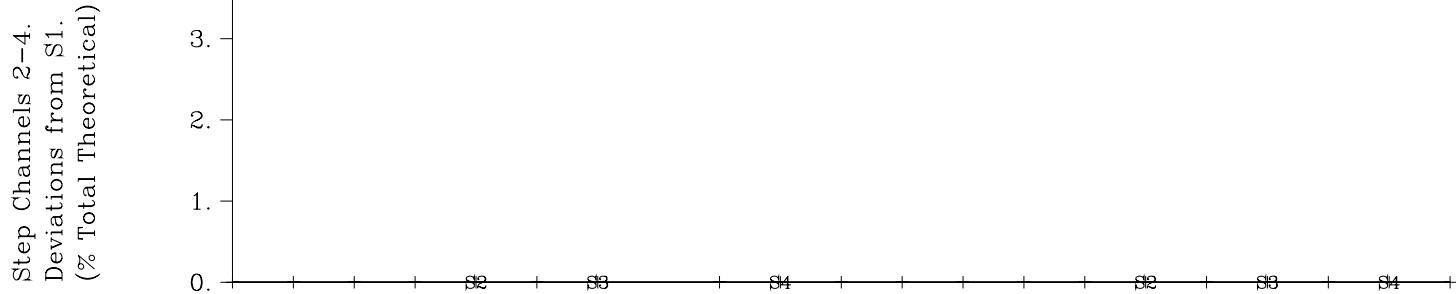
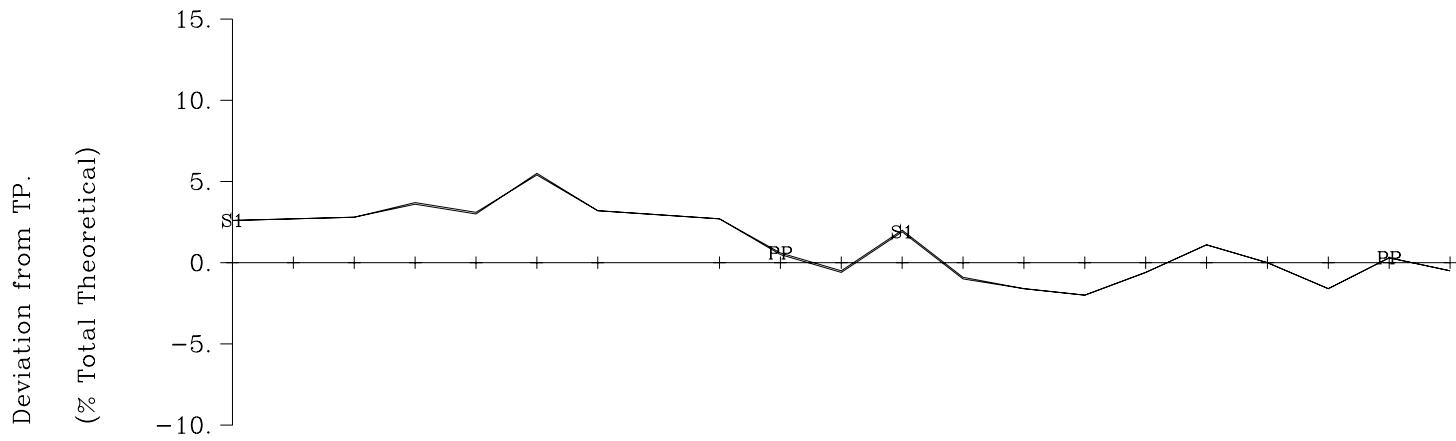
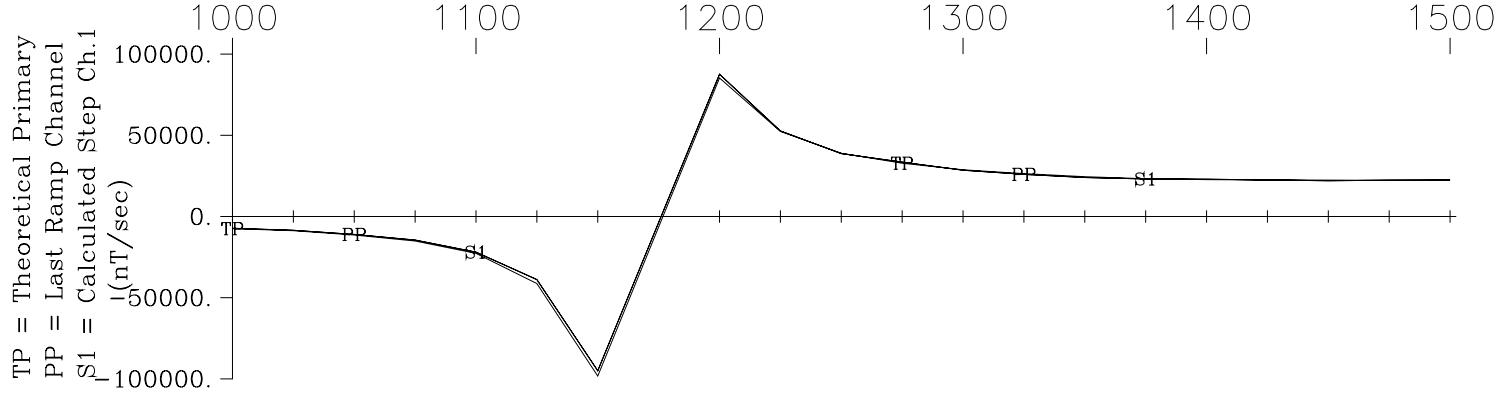
North American Nickel P-049
 Loop P-049, Line 9850N Z Component
 Crone Geophysics & Exploration Ltd.



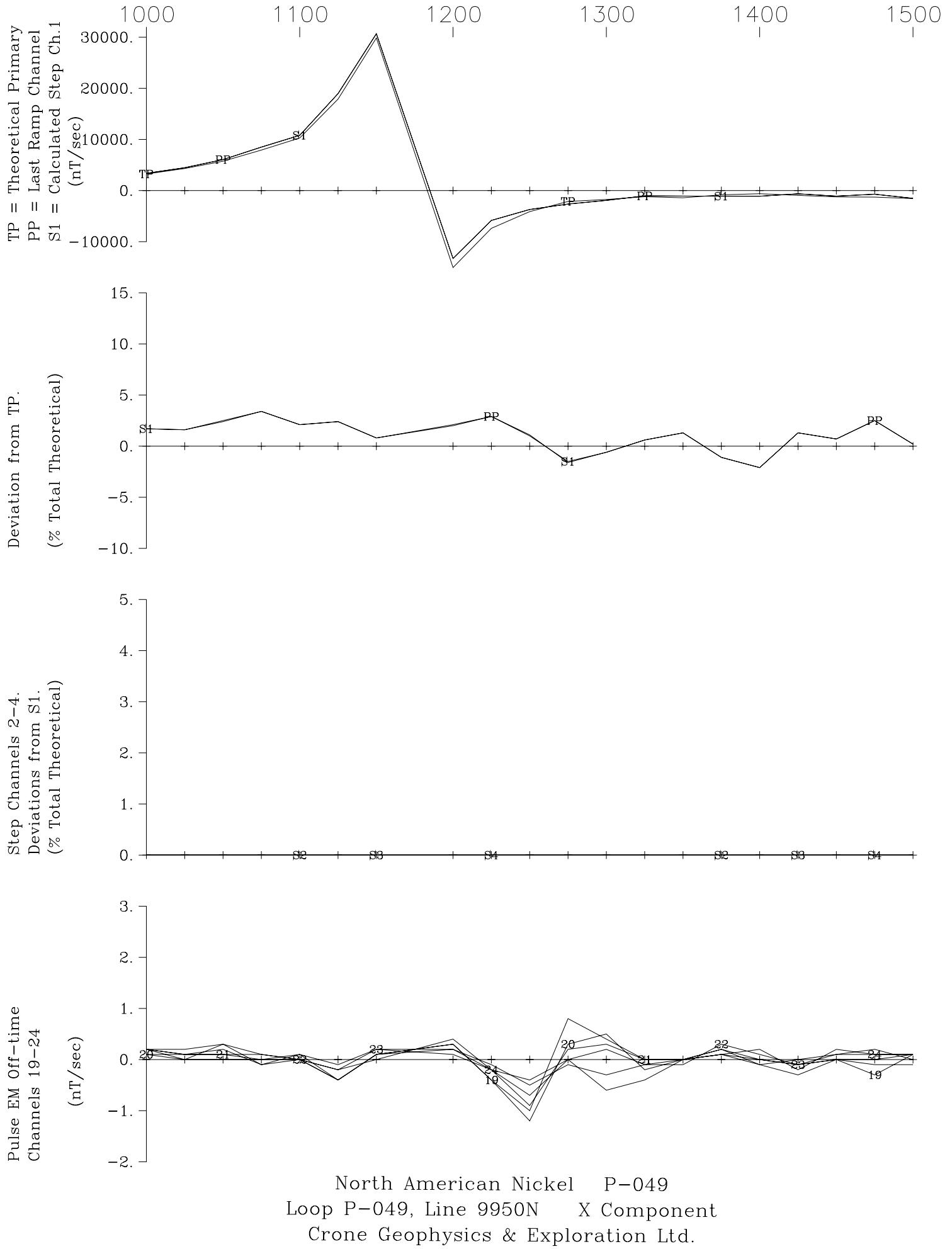


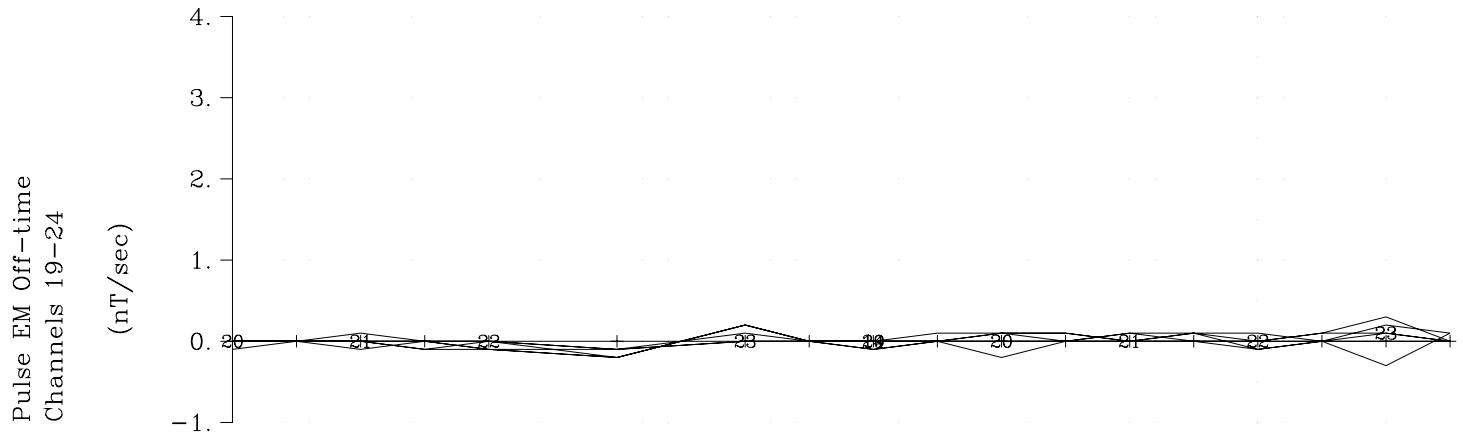
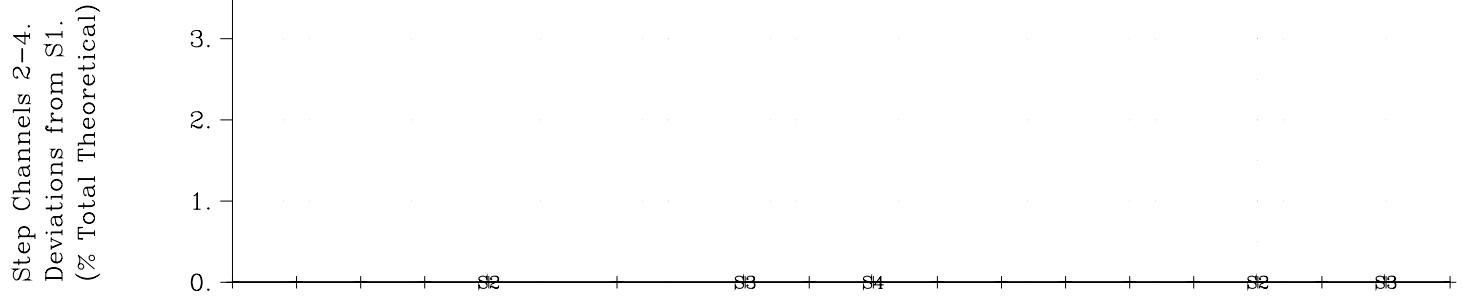
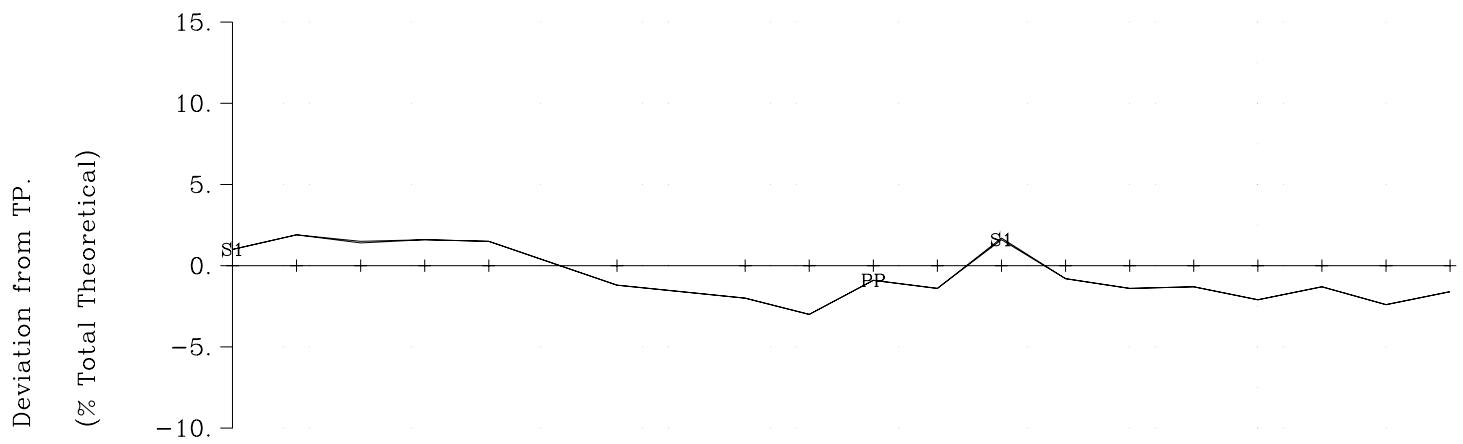
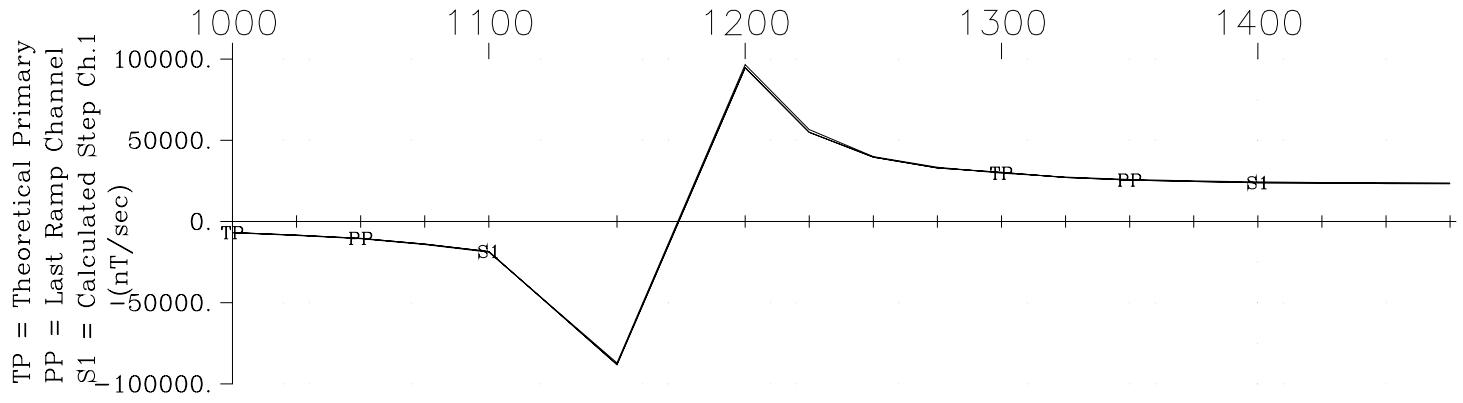
North American Nickel P-049
 Loop P-049, Line 9900N Z Component
 Crone Geophysics & Exploration Ltd.



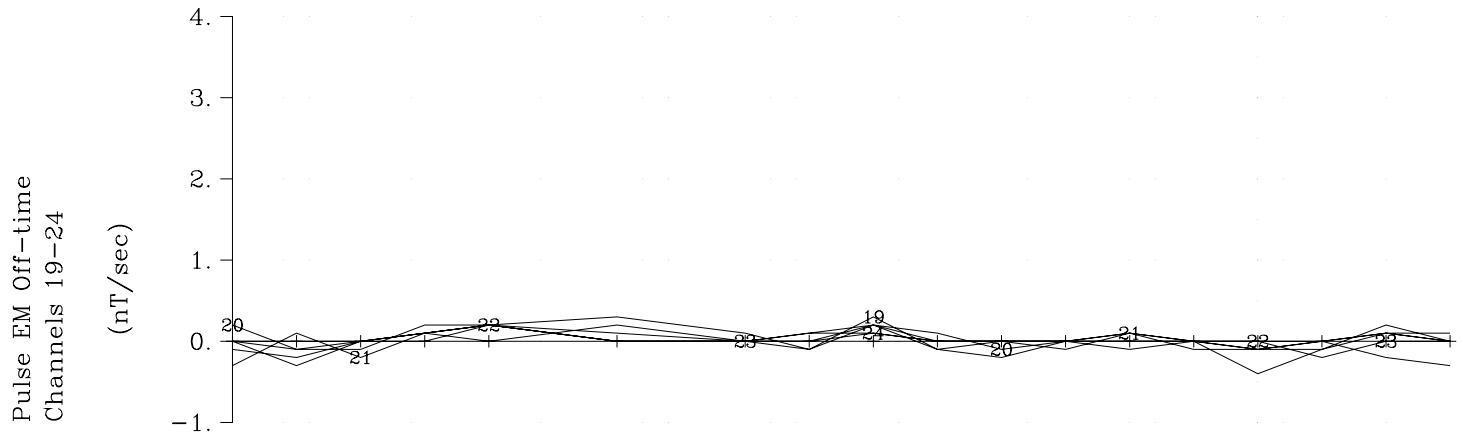
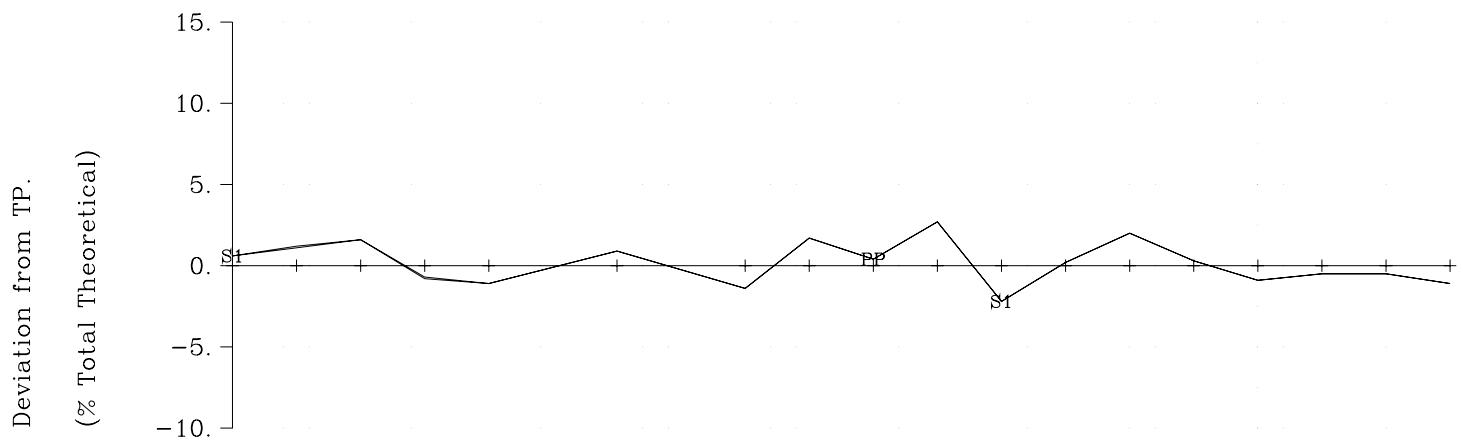
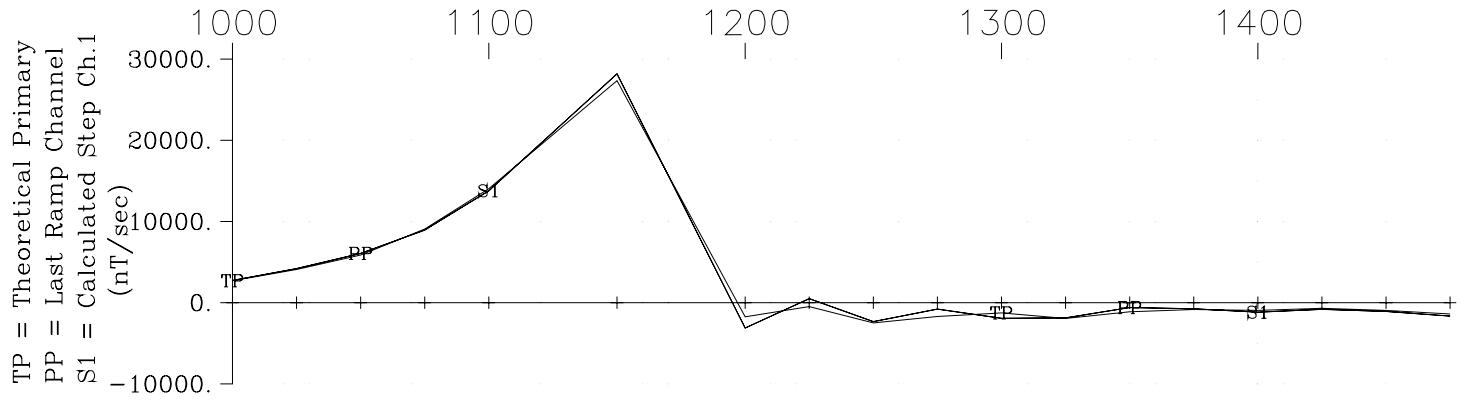


North American Nickel P-049
 Loop P-049, Line 9950N Z Component
 Crone Geophysics & Exploration Ltd.

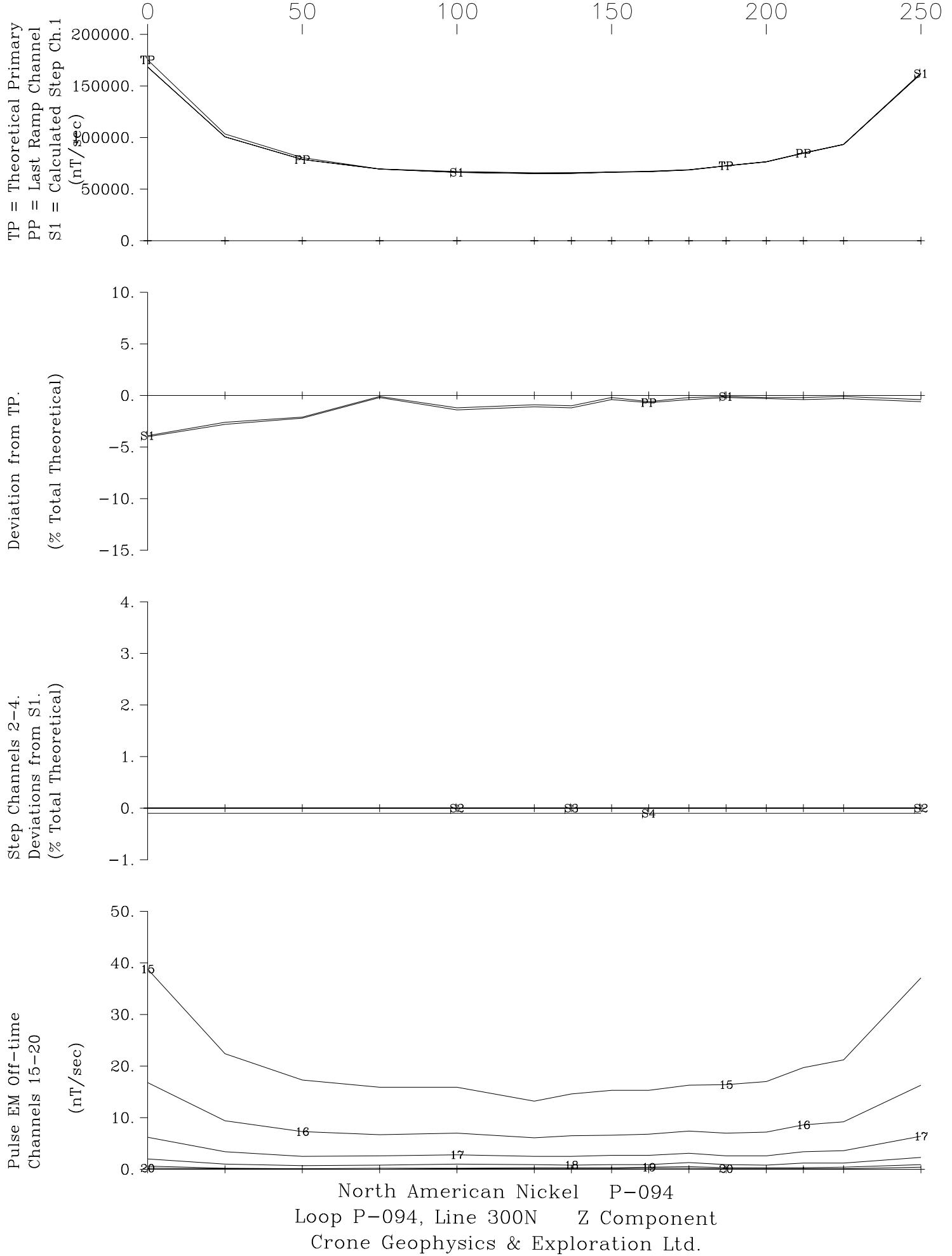


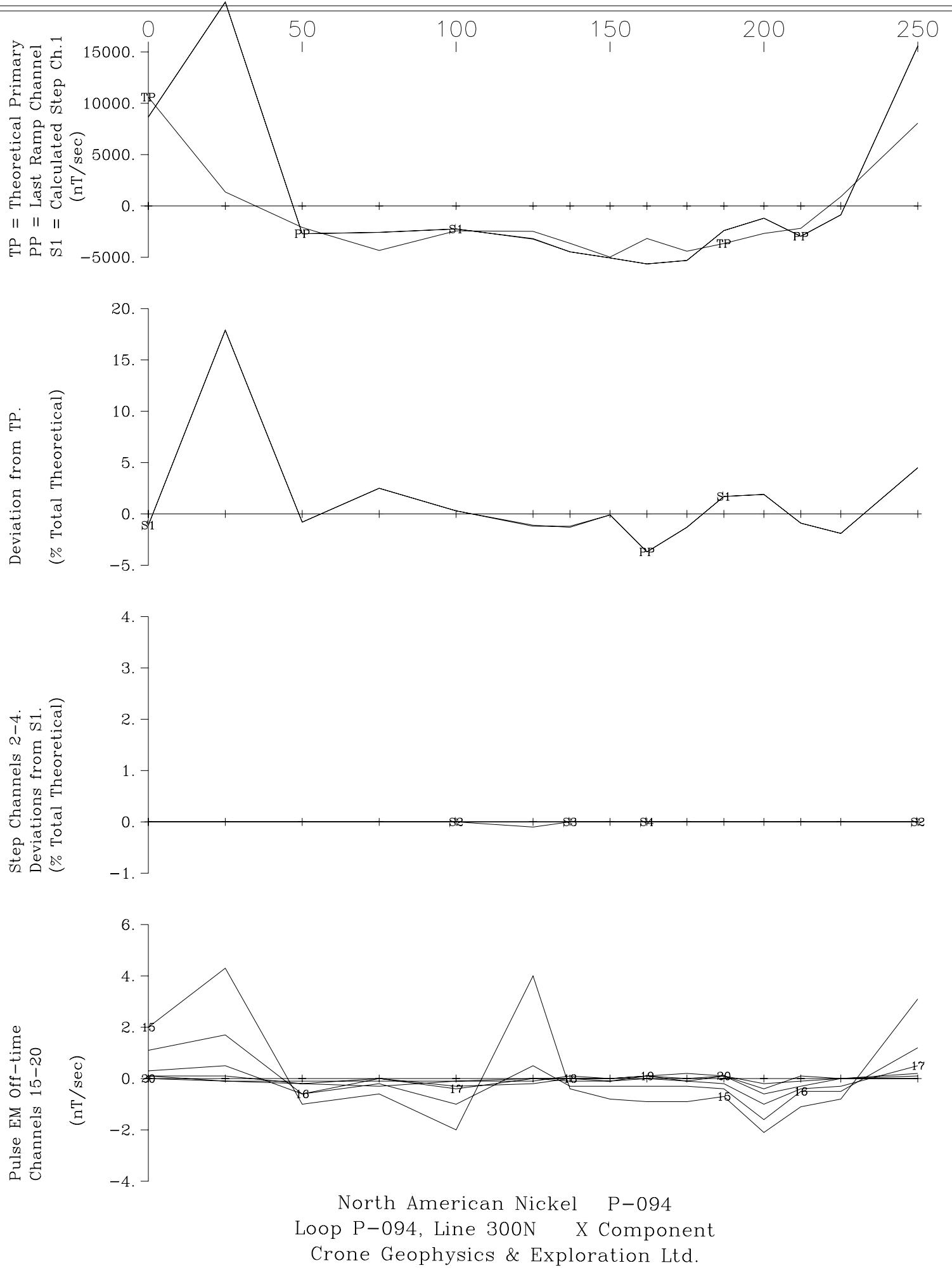


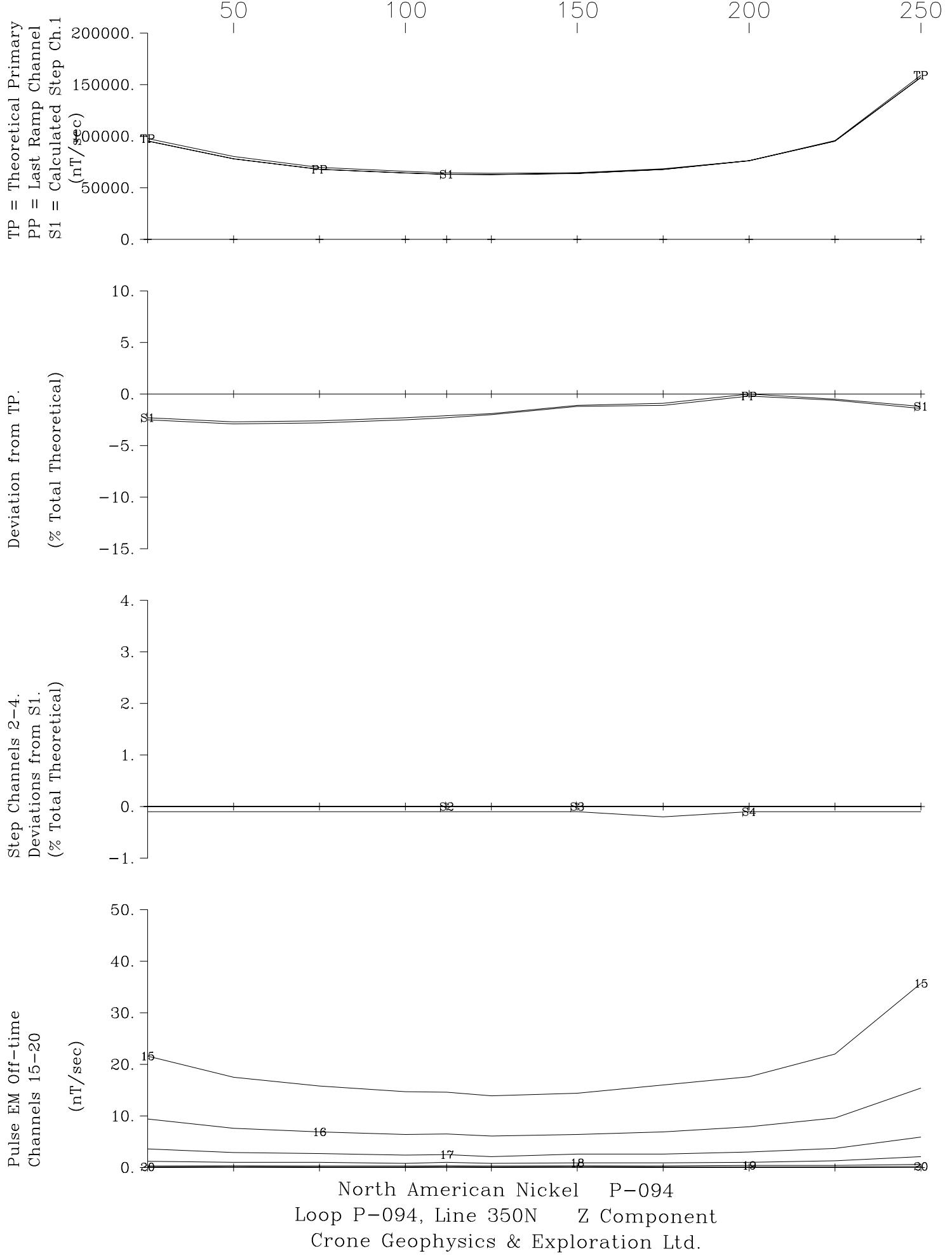
North American Nickel P-049
 Loop P-049, Line 10000N Z Component
 Crone Geophysics & Exploration Ltd.

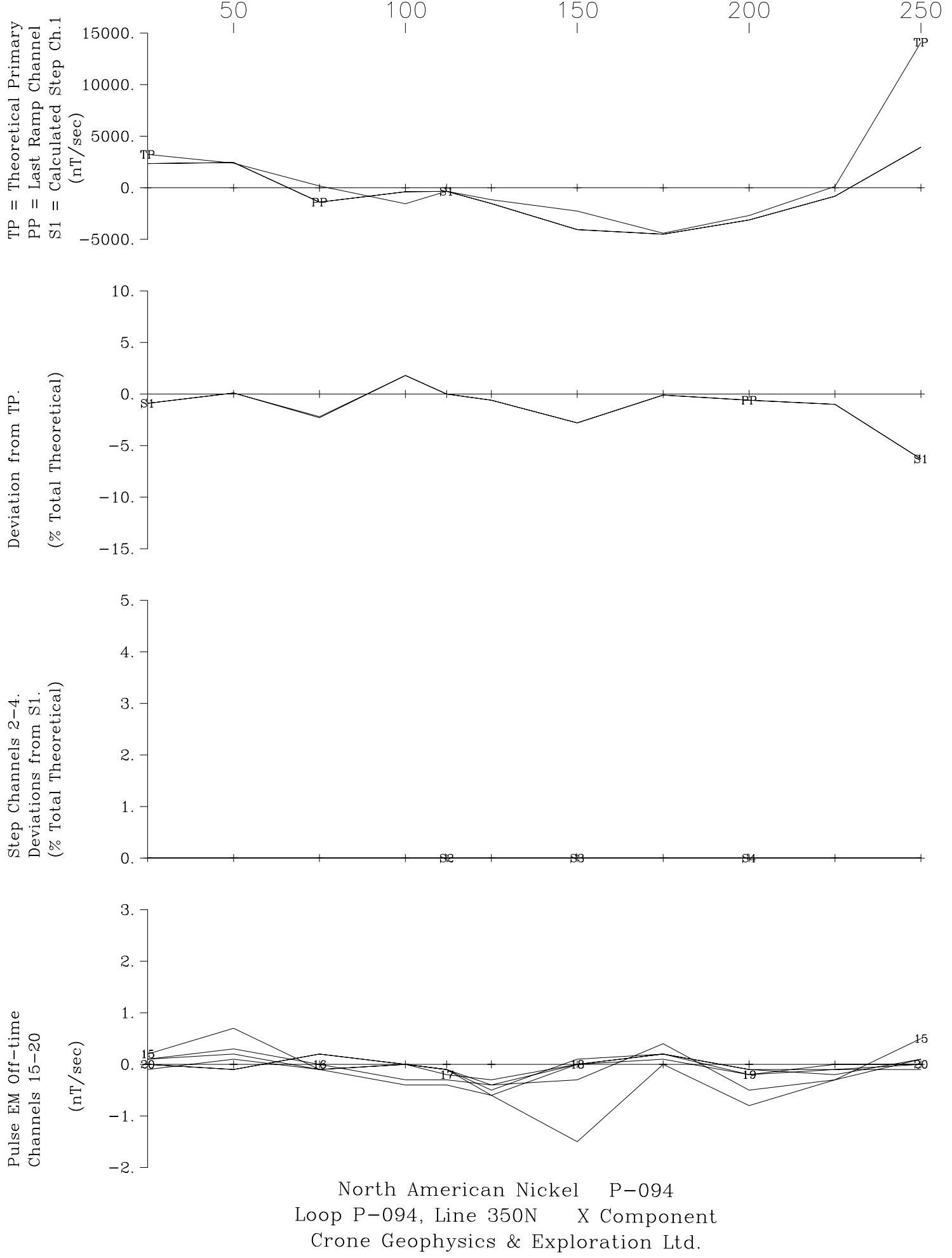


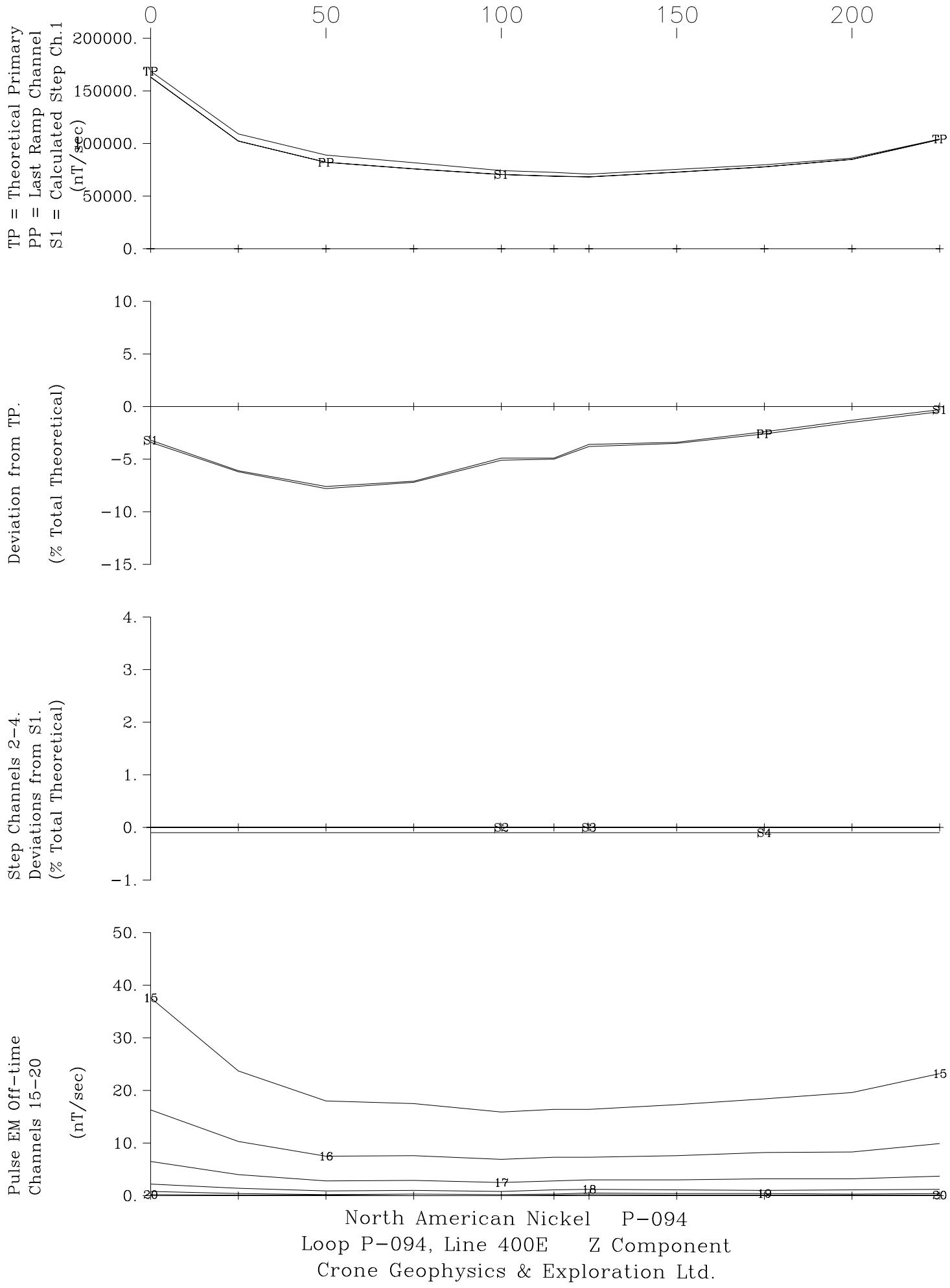
North American Nickel P-049
 Loop P-049, Line 1000N X Component
 Crone Geophysics & Exploration Ltd.

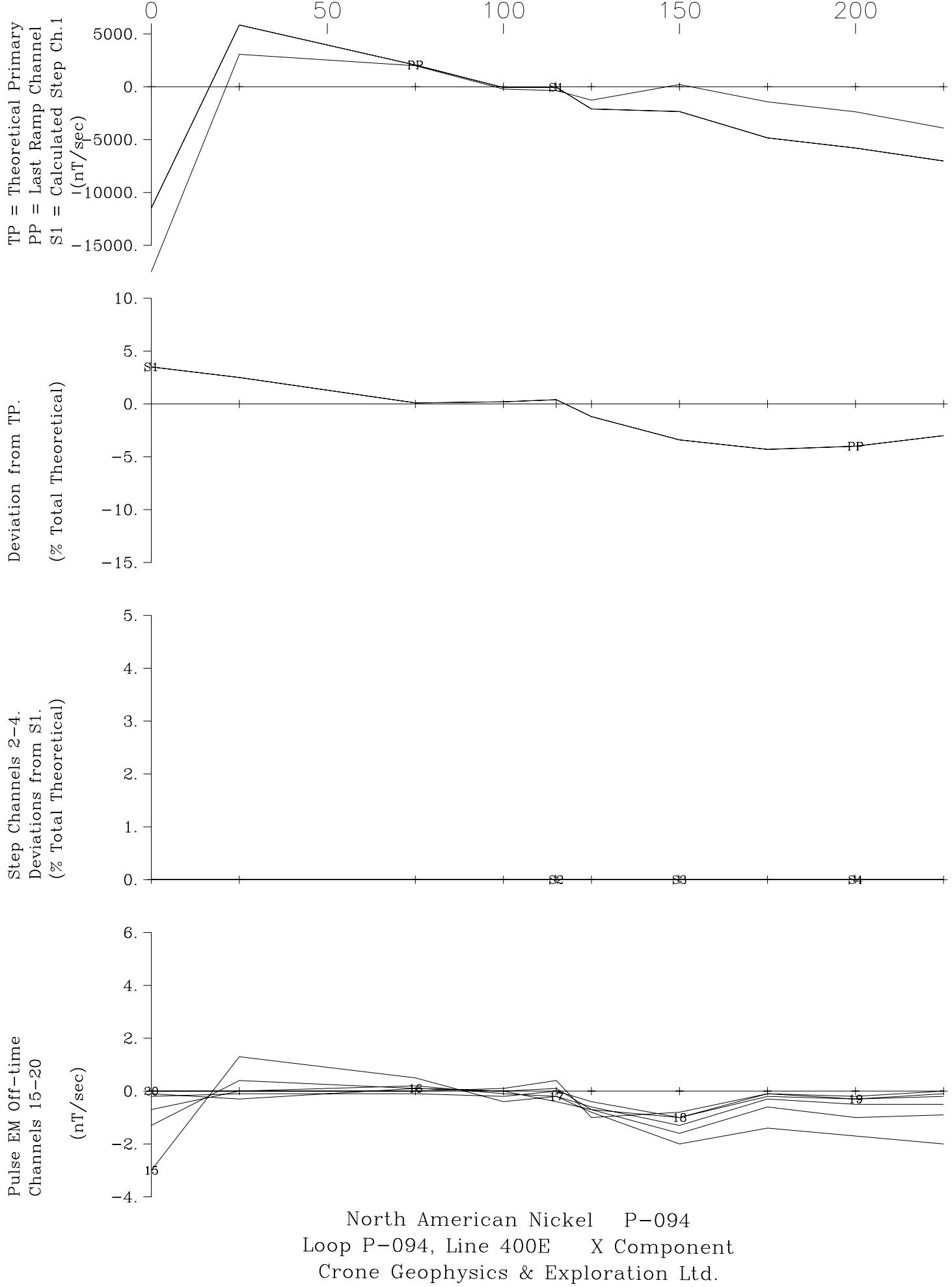


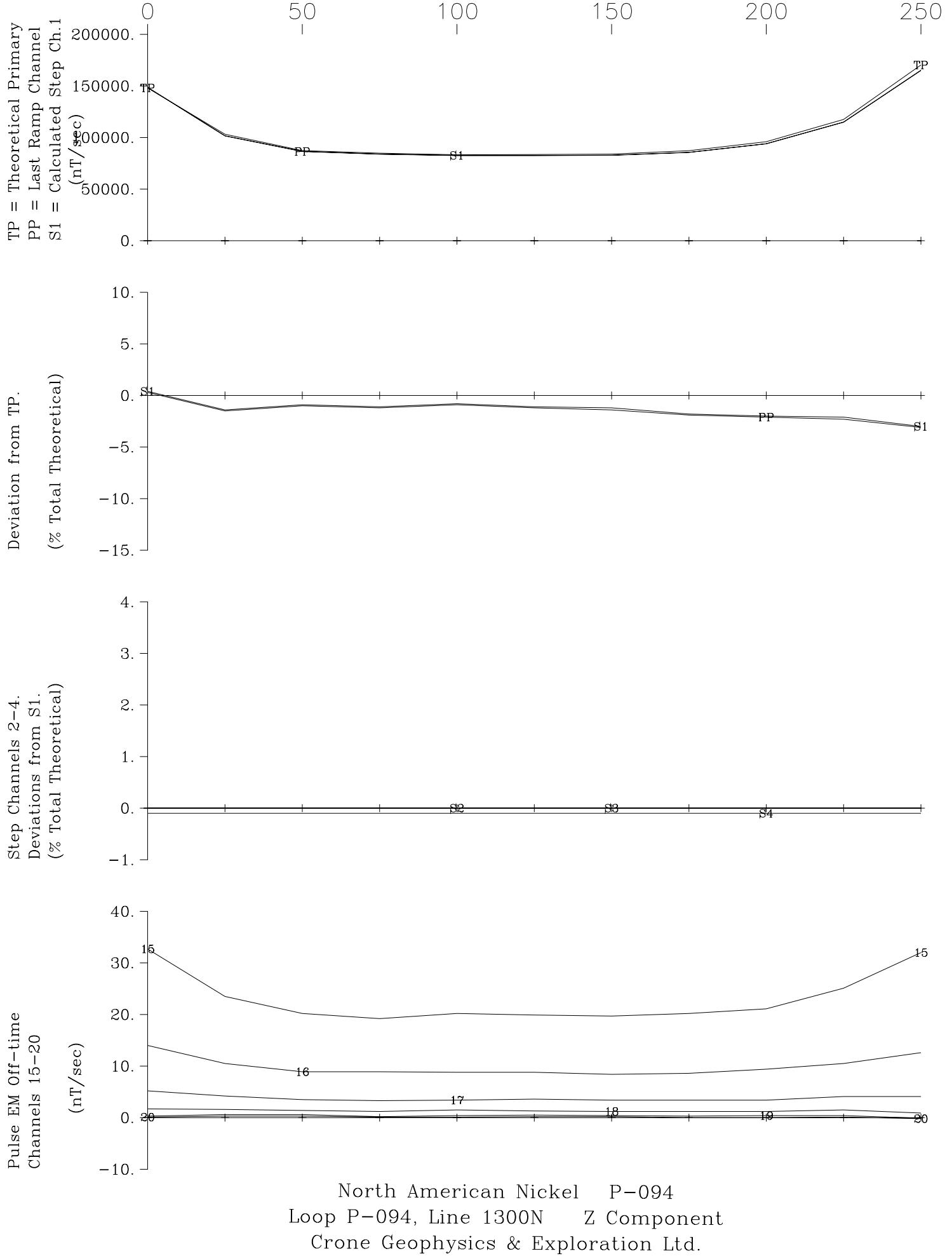


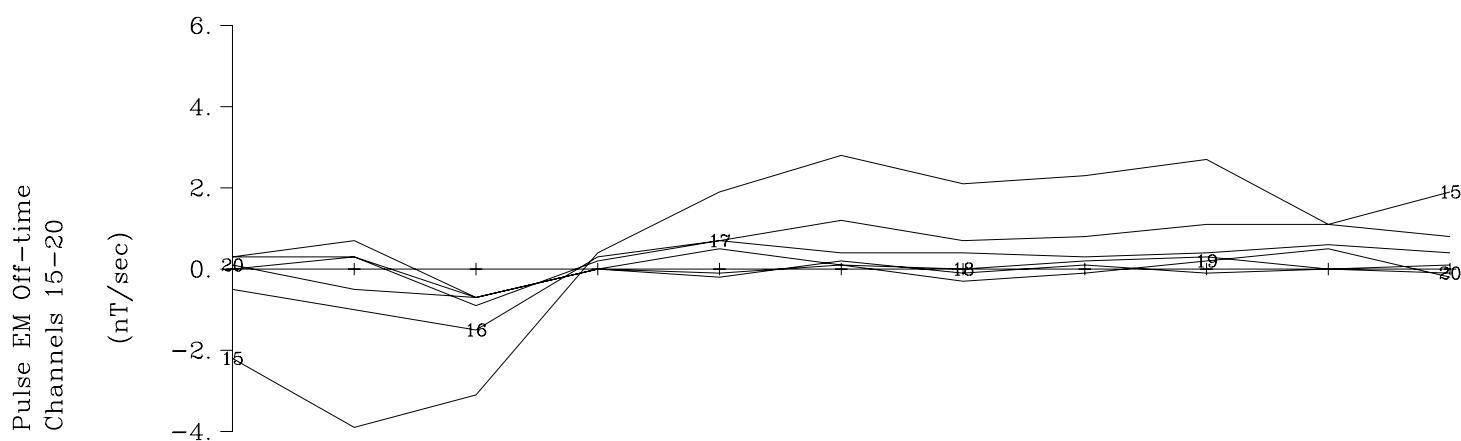
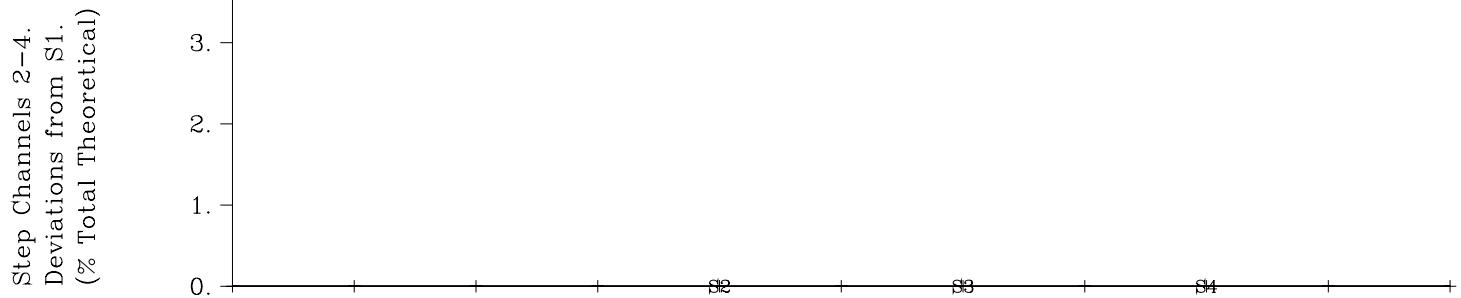
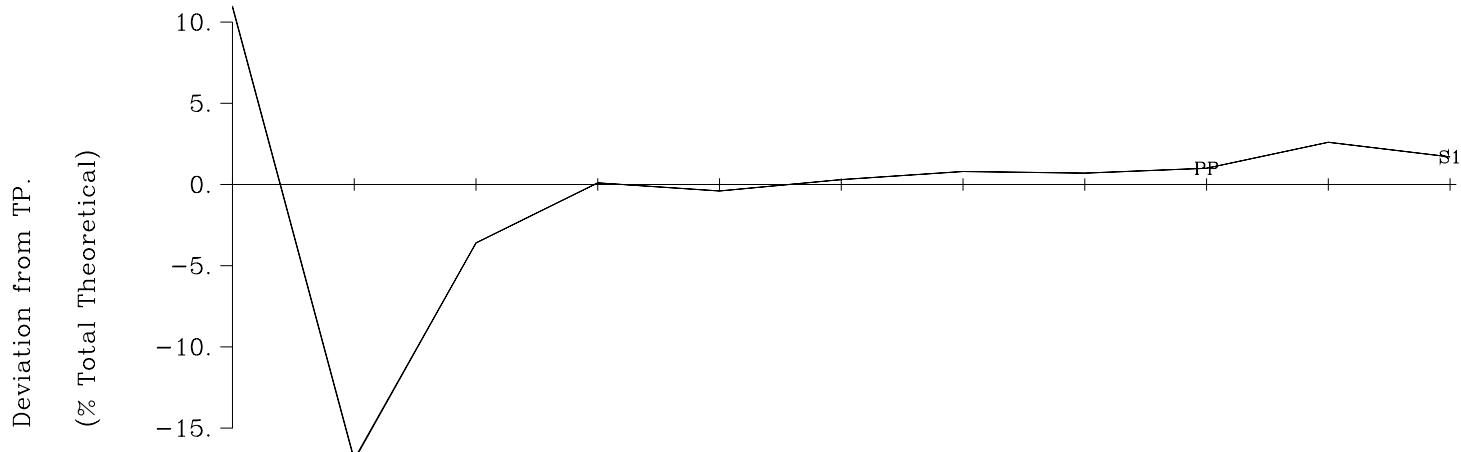
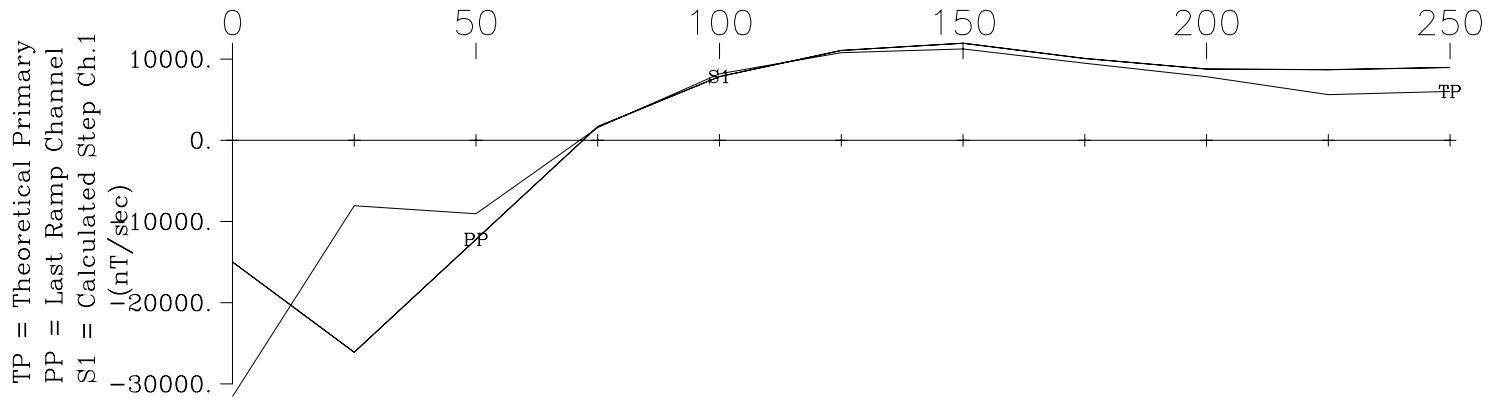




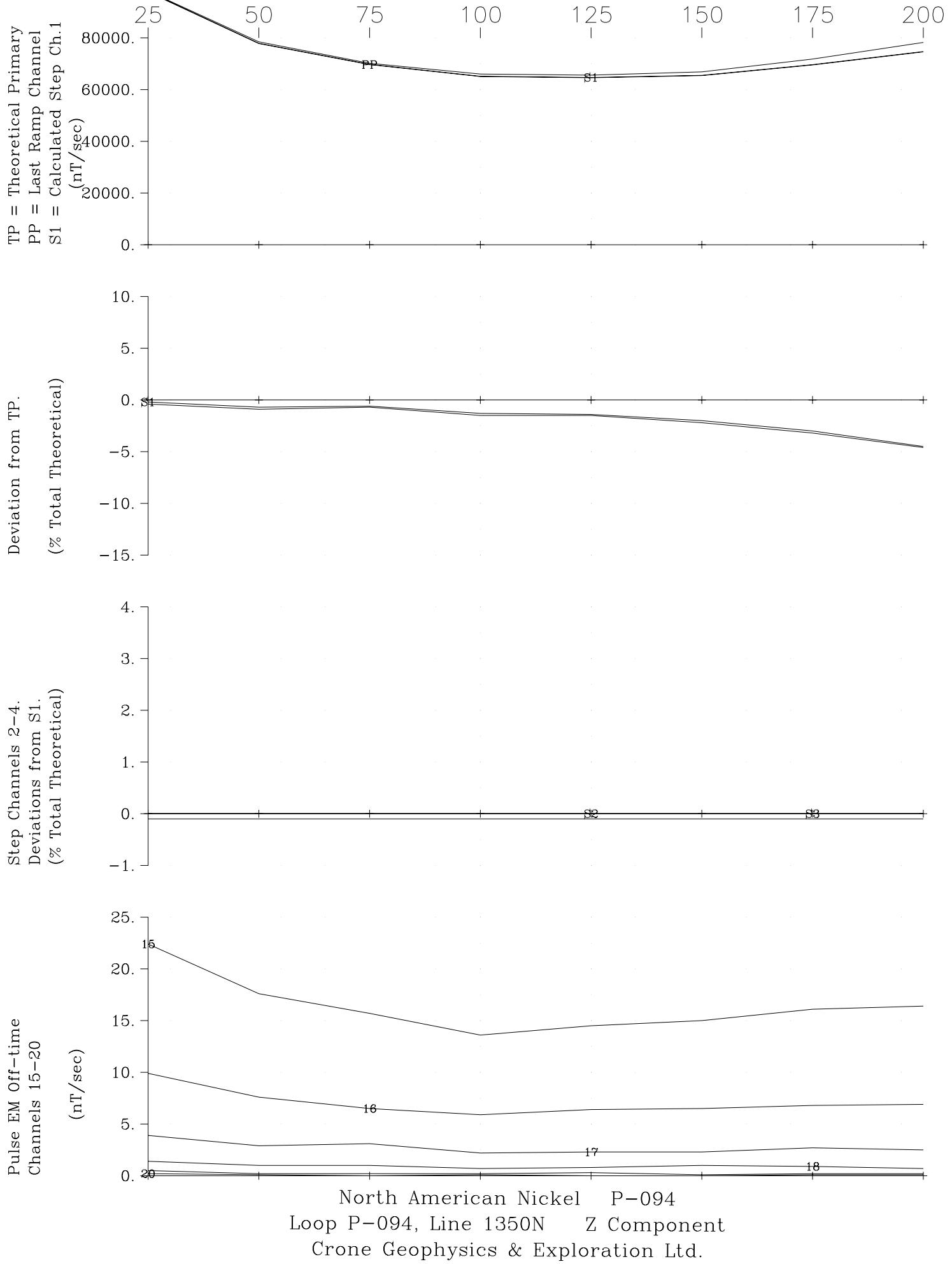


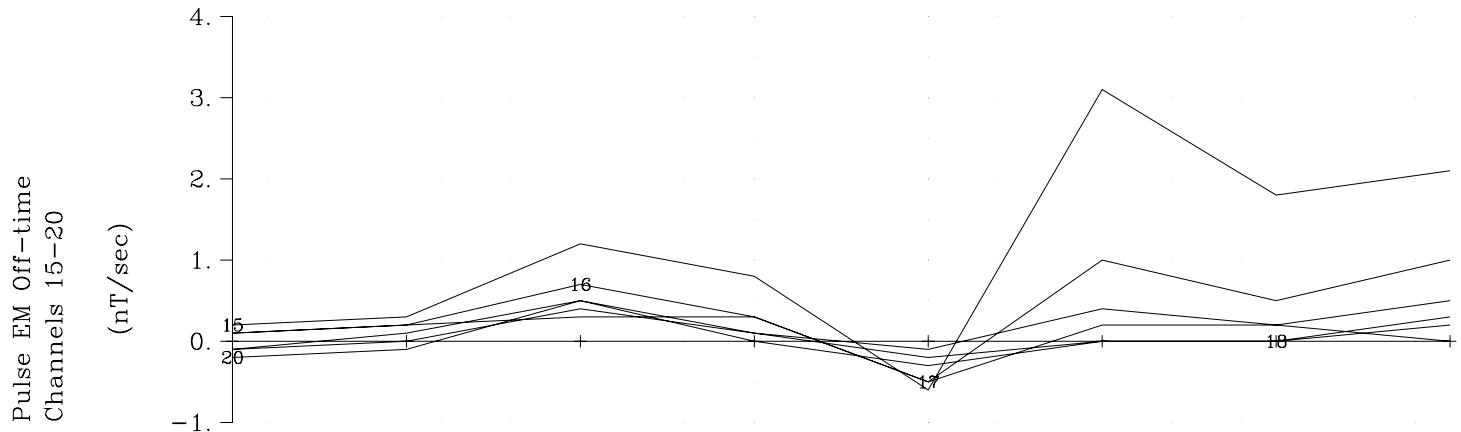
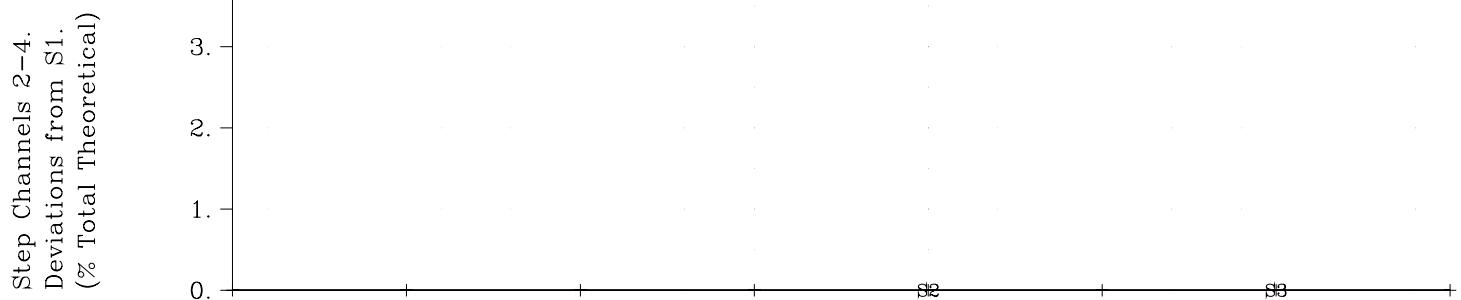
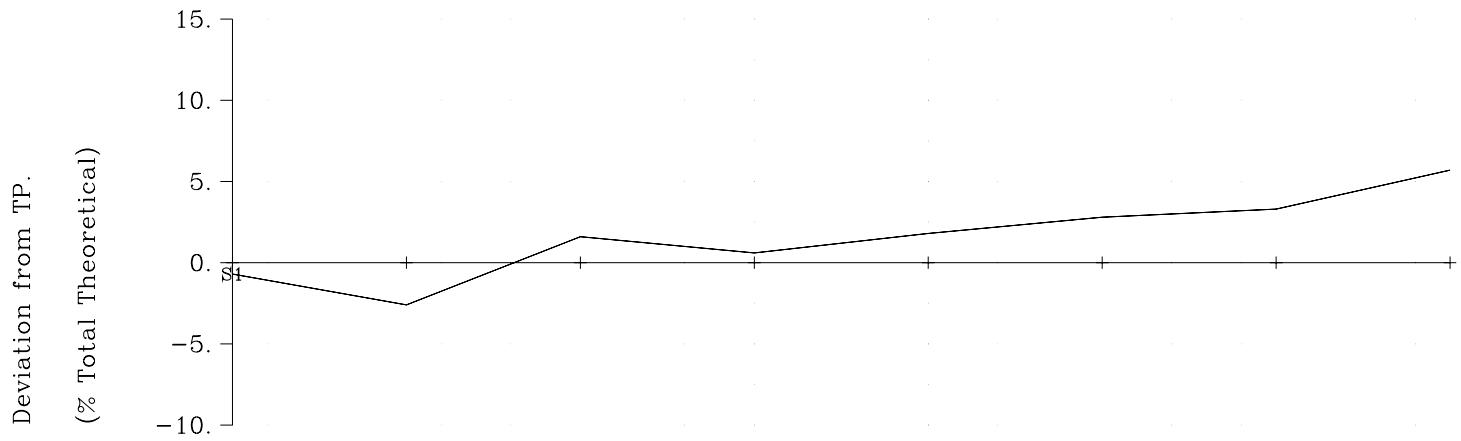
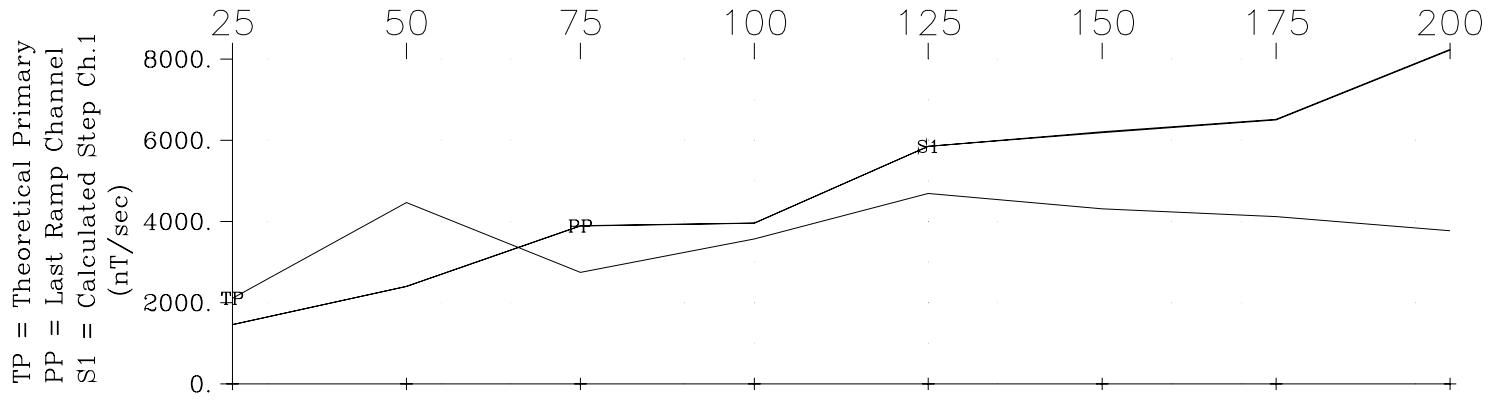




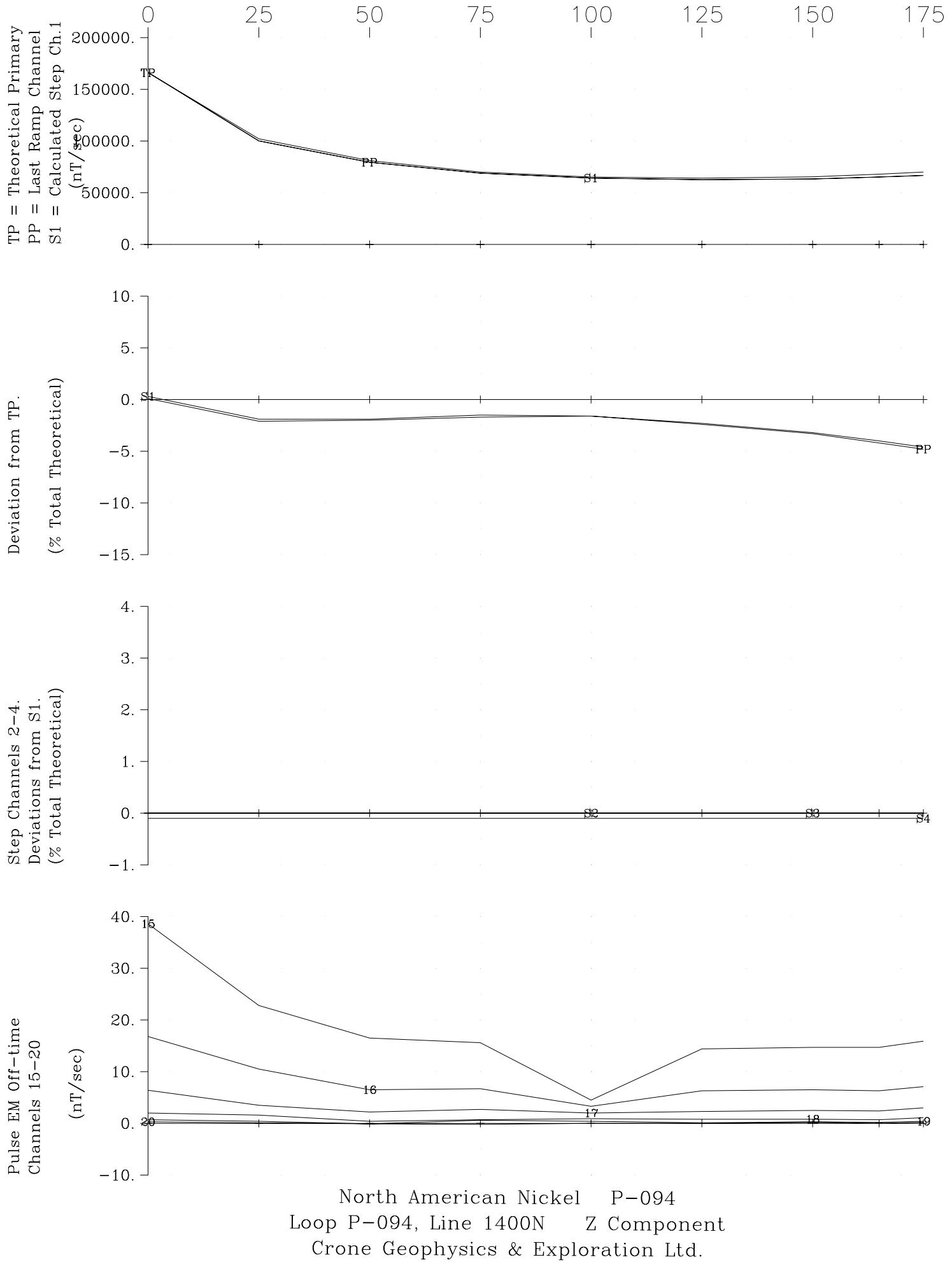


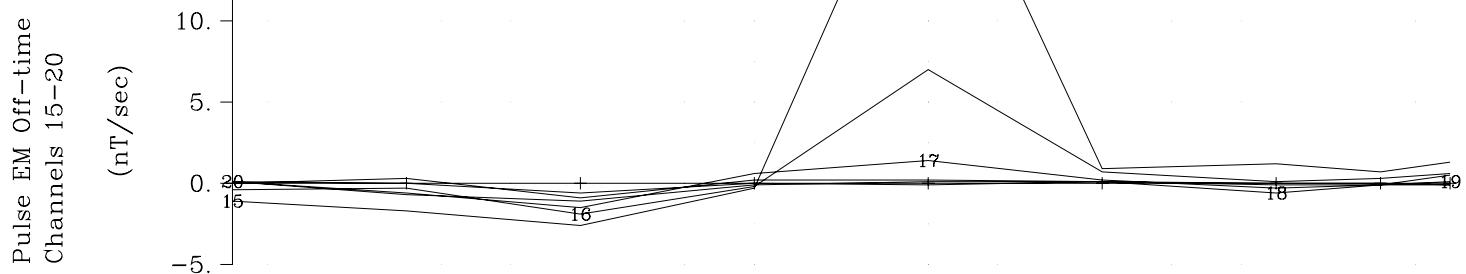
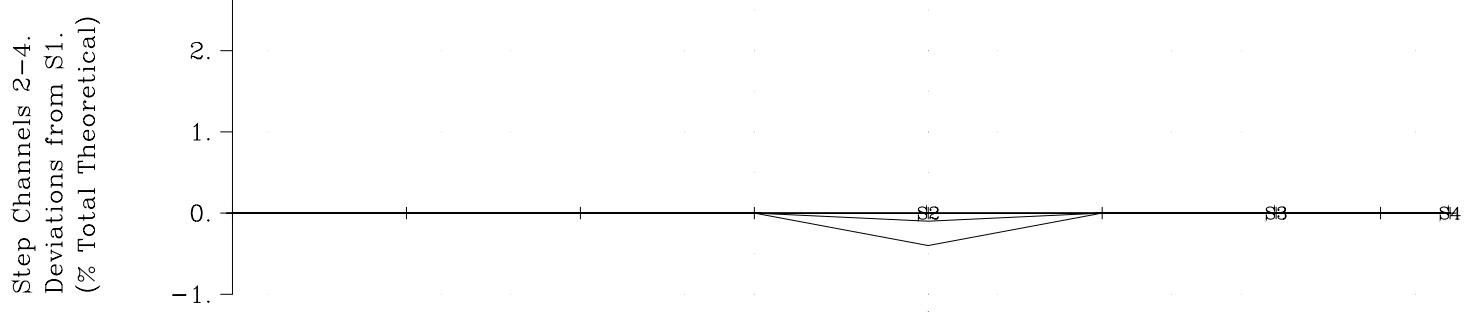
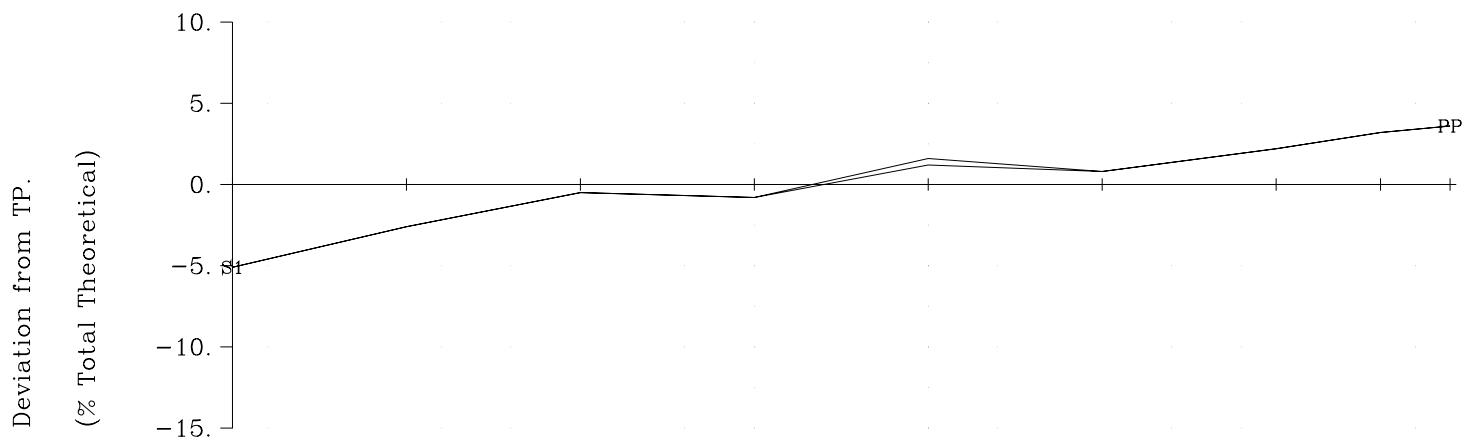
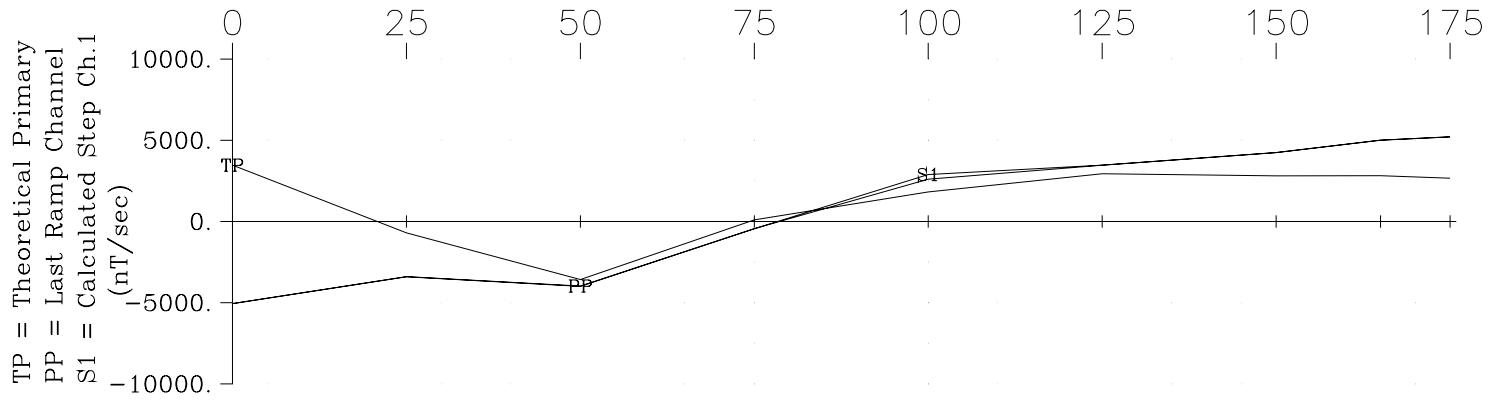
North American Nickel P-094
 Loop P-094, Line 1300N X Component
 Crone Geophysics & Exploration Ltd.



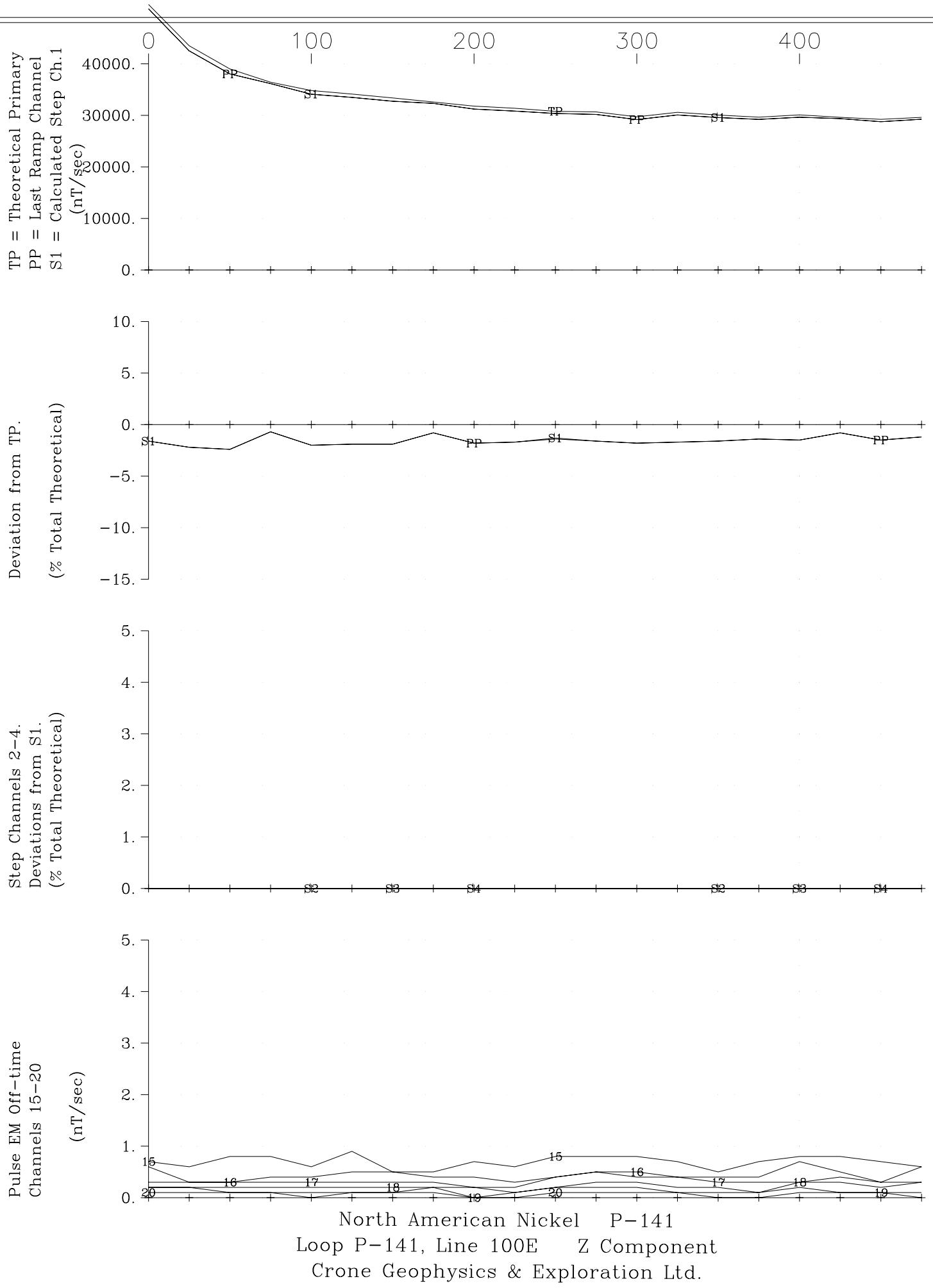


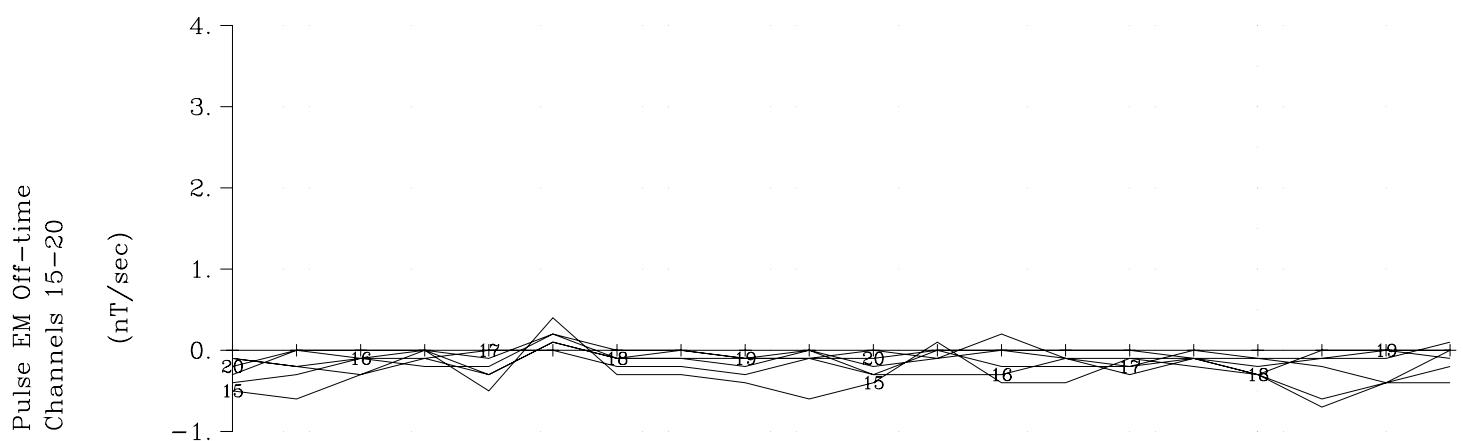
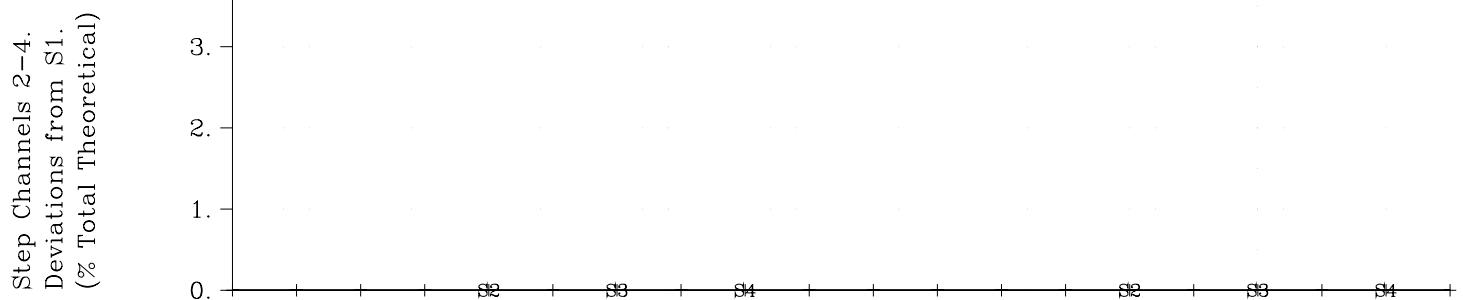
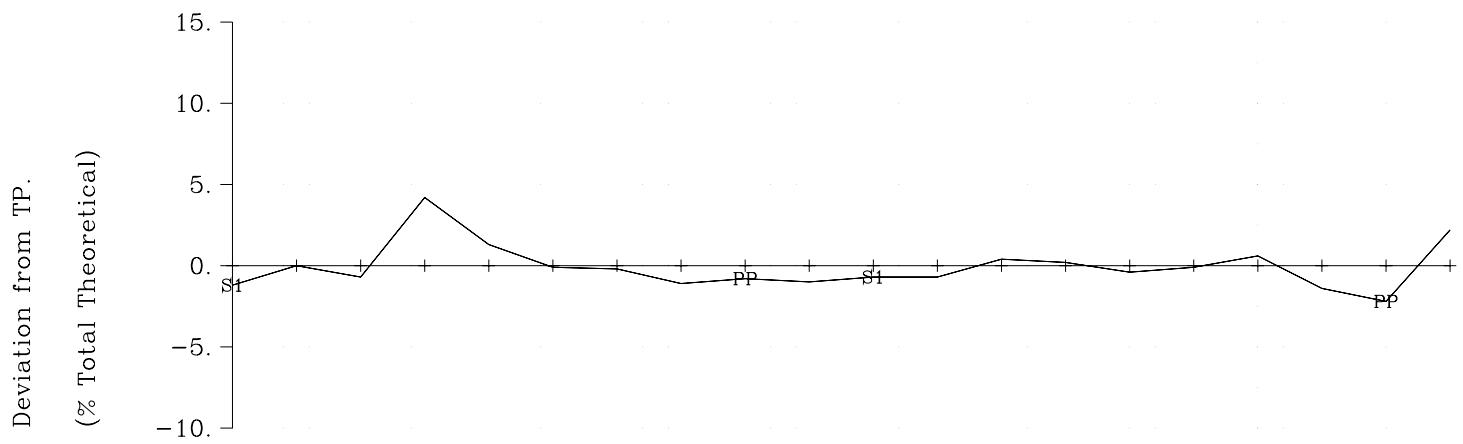
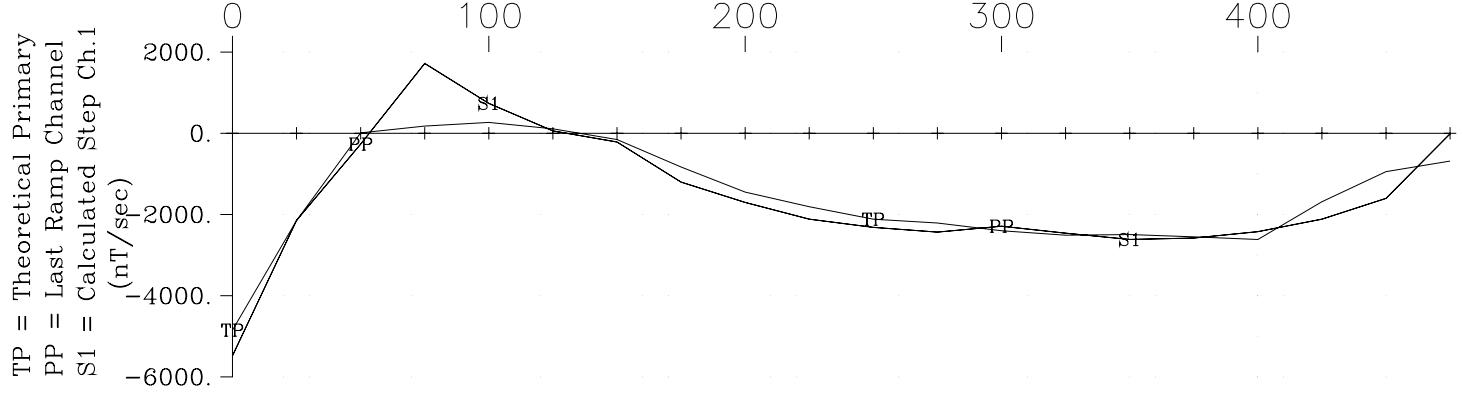
North American Nickel P-094
 Loop P-094, Line 1350N X Component
 Crone Geophysics & Exploration Ltd.



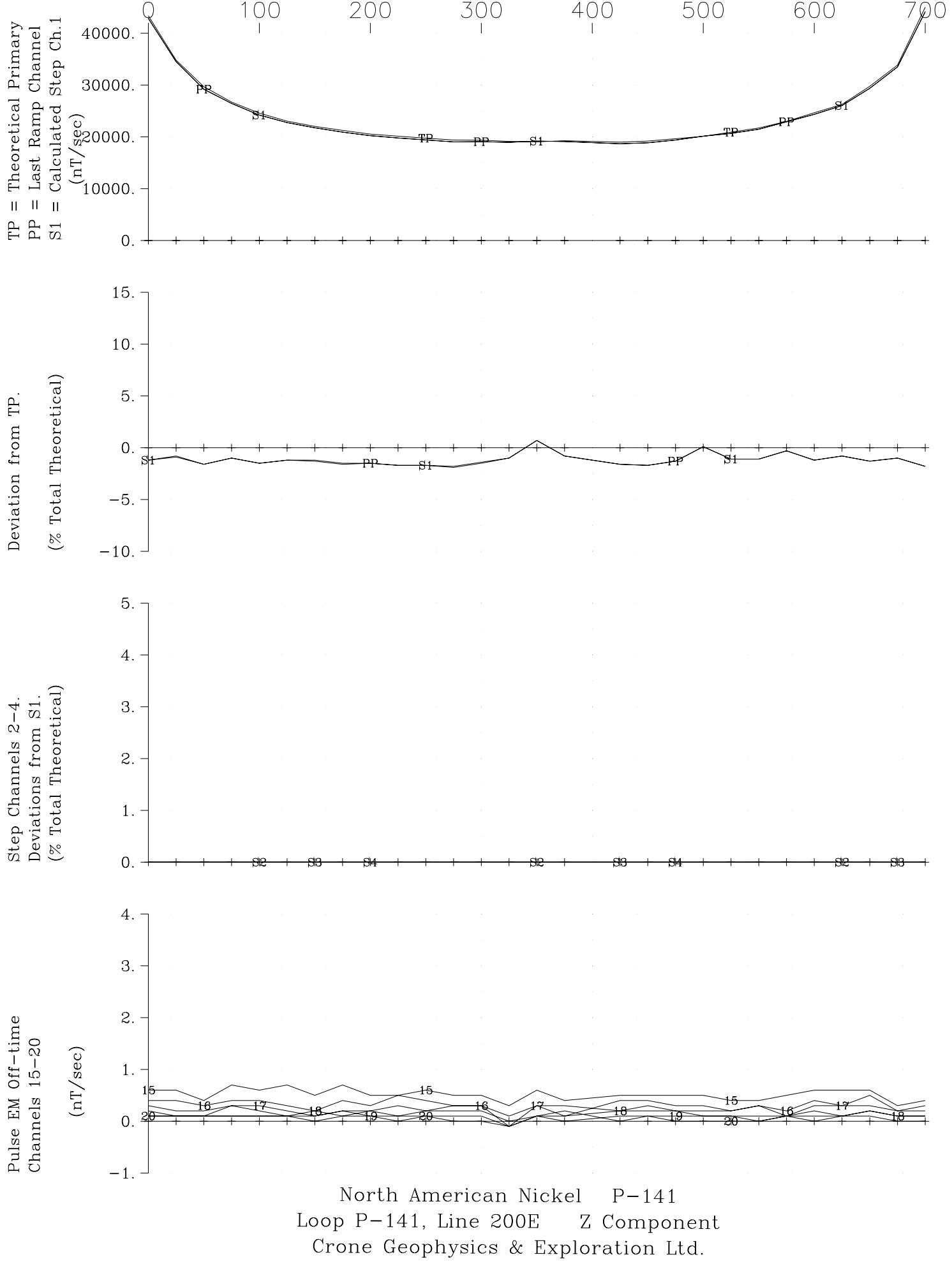


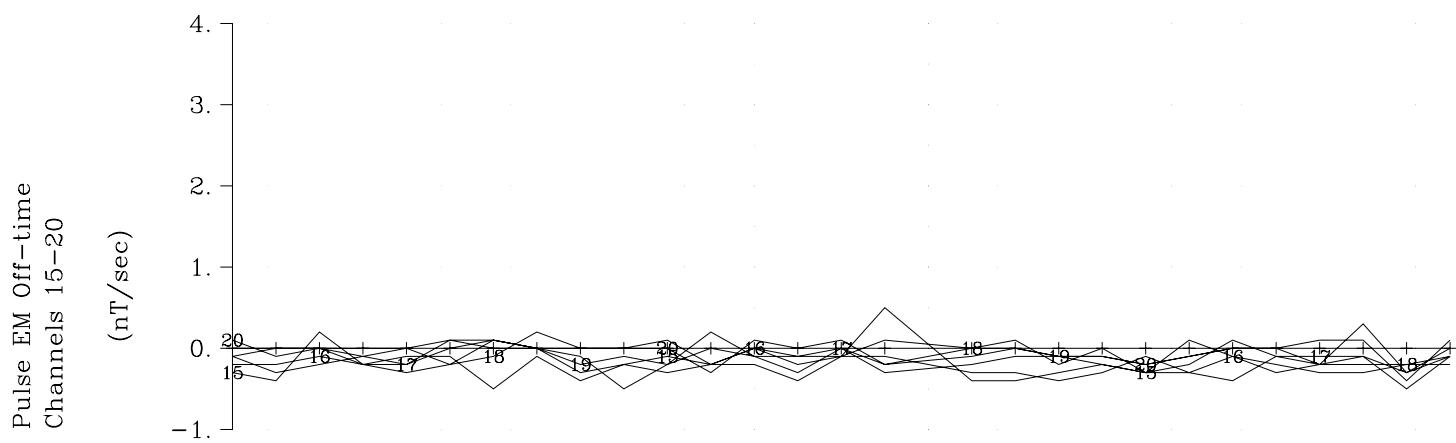
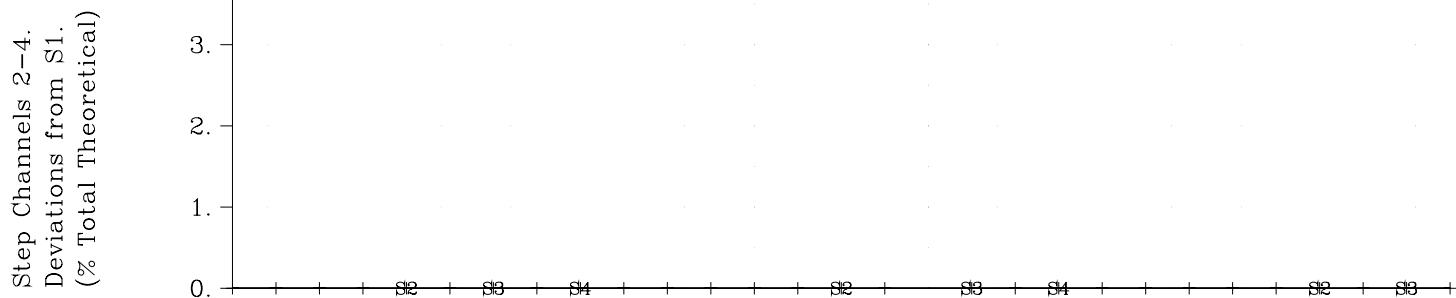
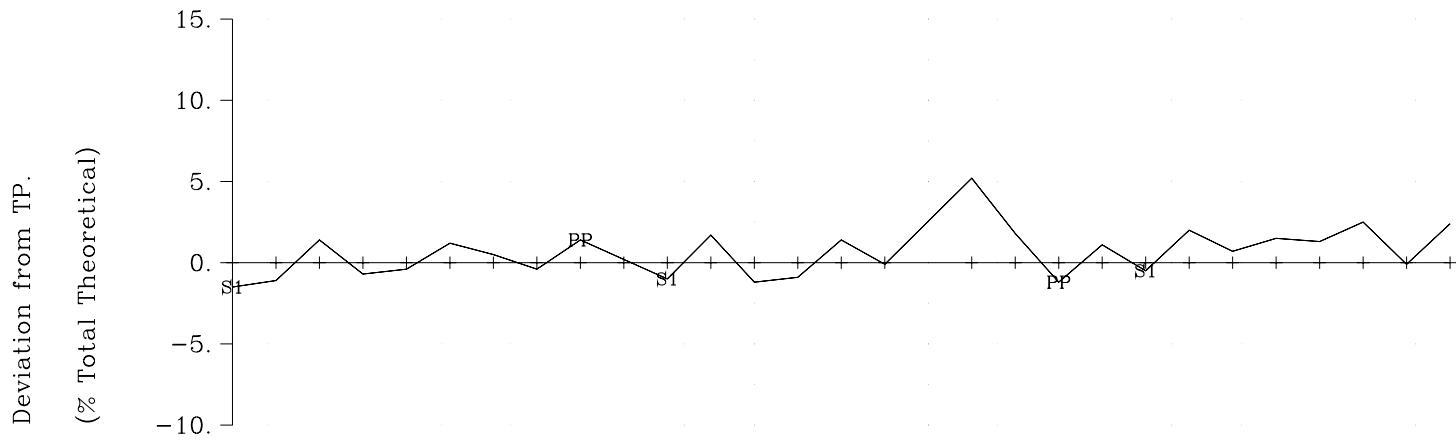
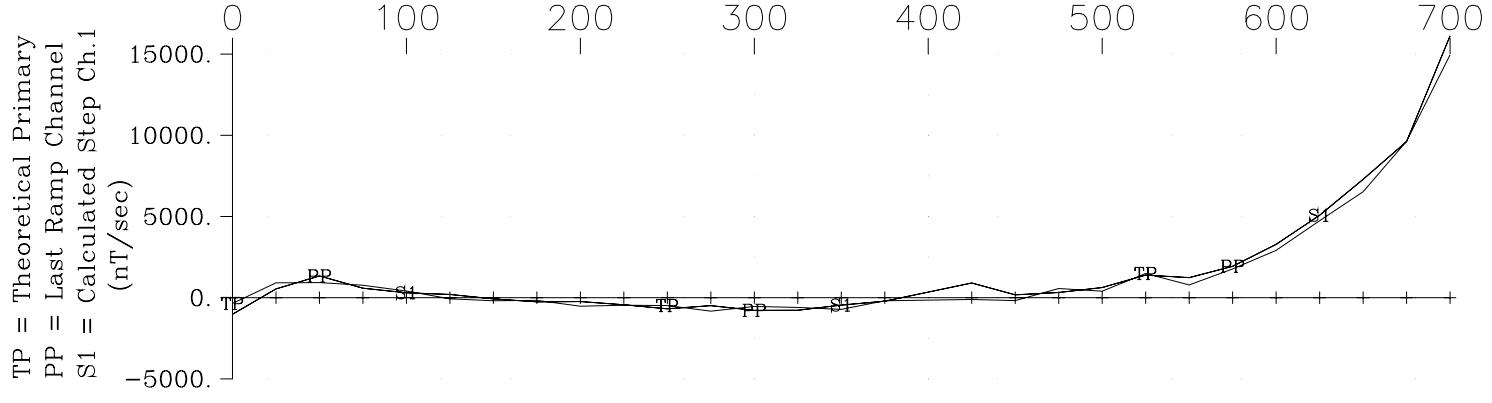
North American Nickel P-094
 Loop P-094, Line 1400N X Component
 Crone Geophysics & Exploration Ltd.



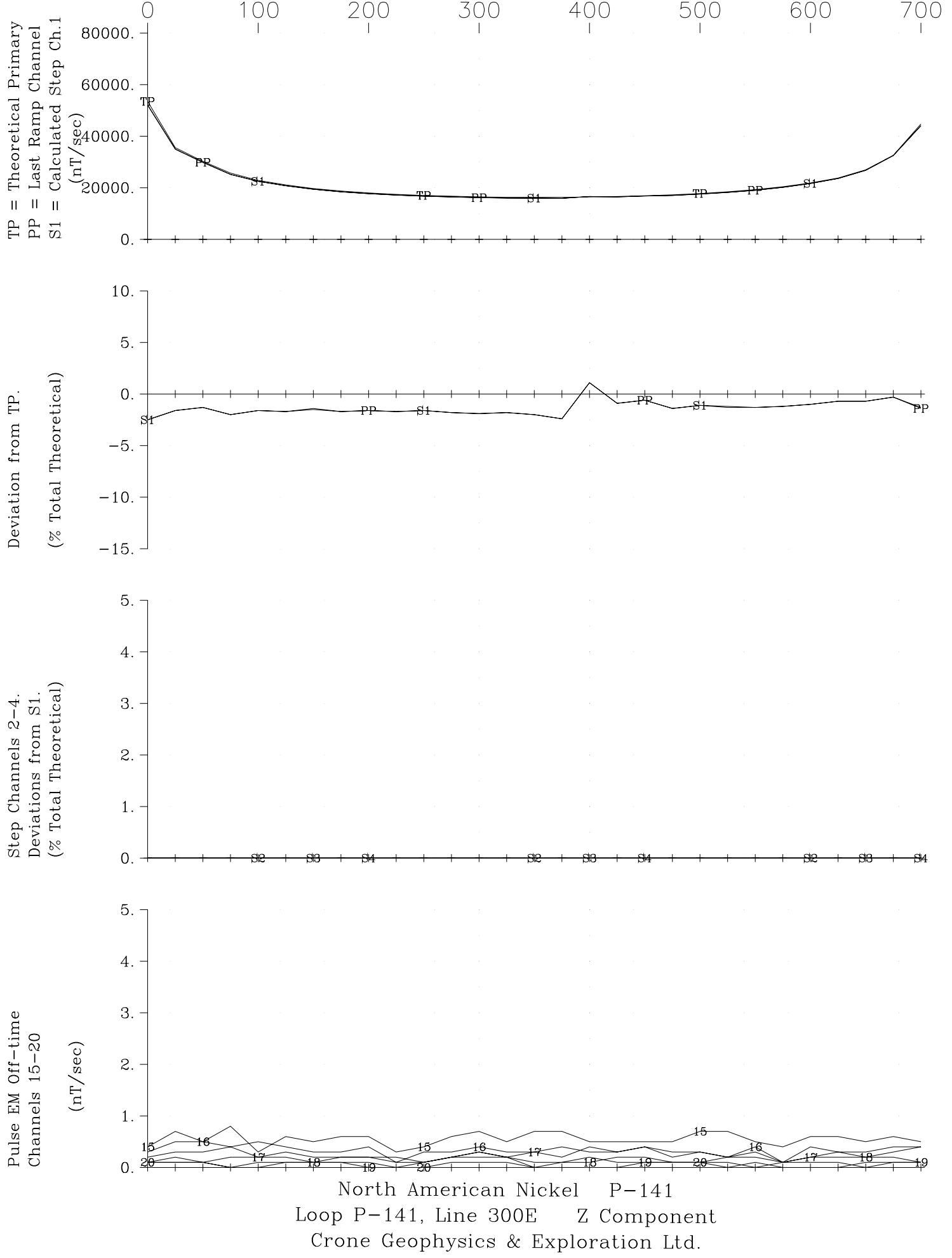


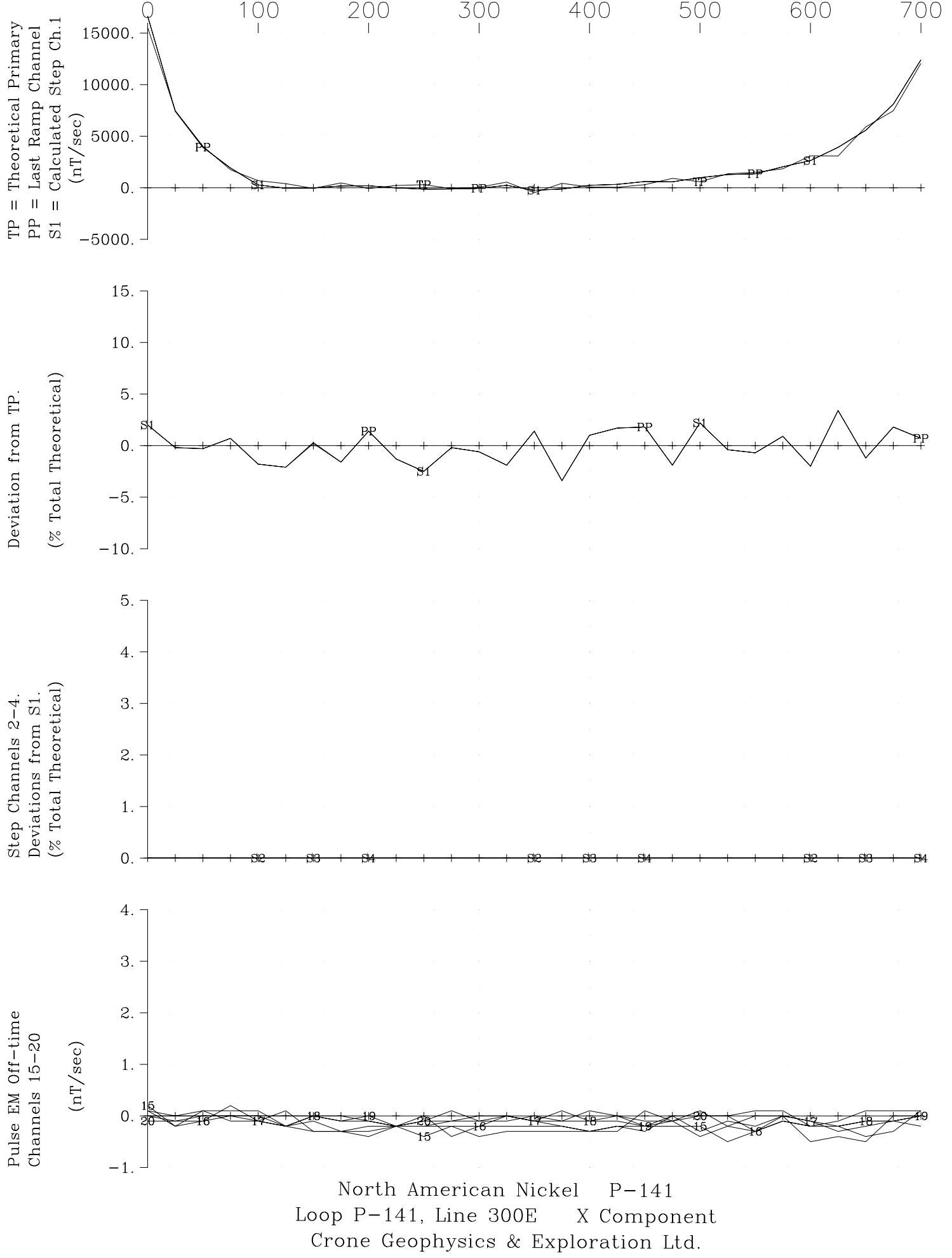
North American Nickel P-141
 Loop P-141, Line 100E X Component
 Crone Geophysics & Exploration Ltd.

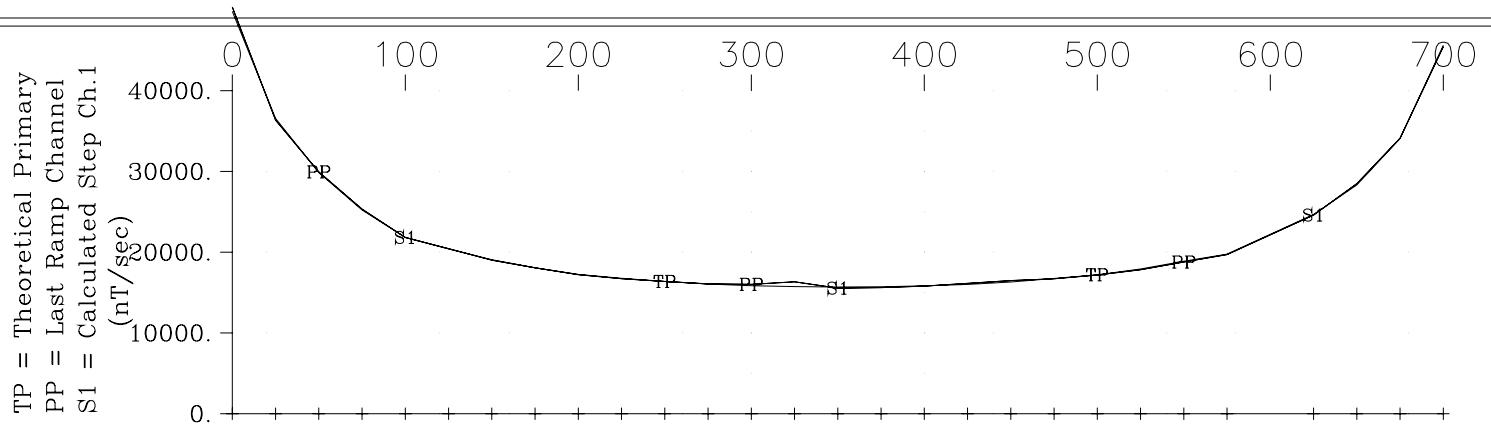




North American Nickel P-141
 Loop P-141, Line 200E X Component
 Crone Geophysics & Exploration Ltd.





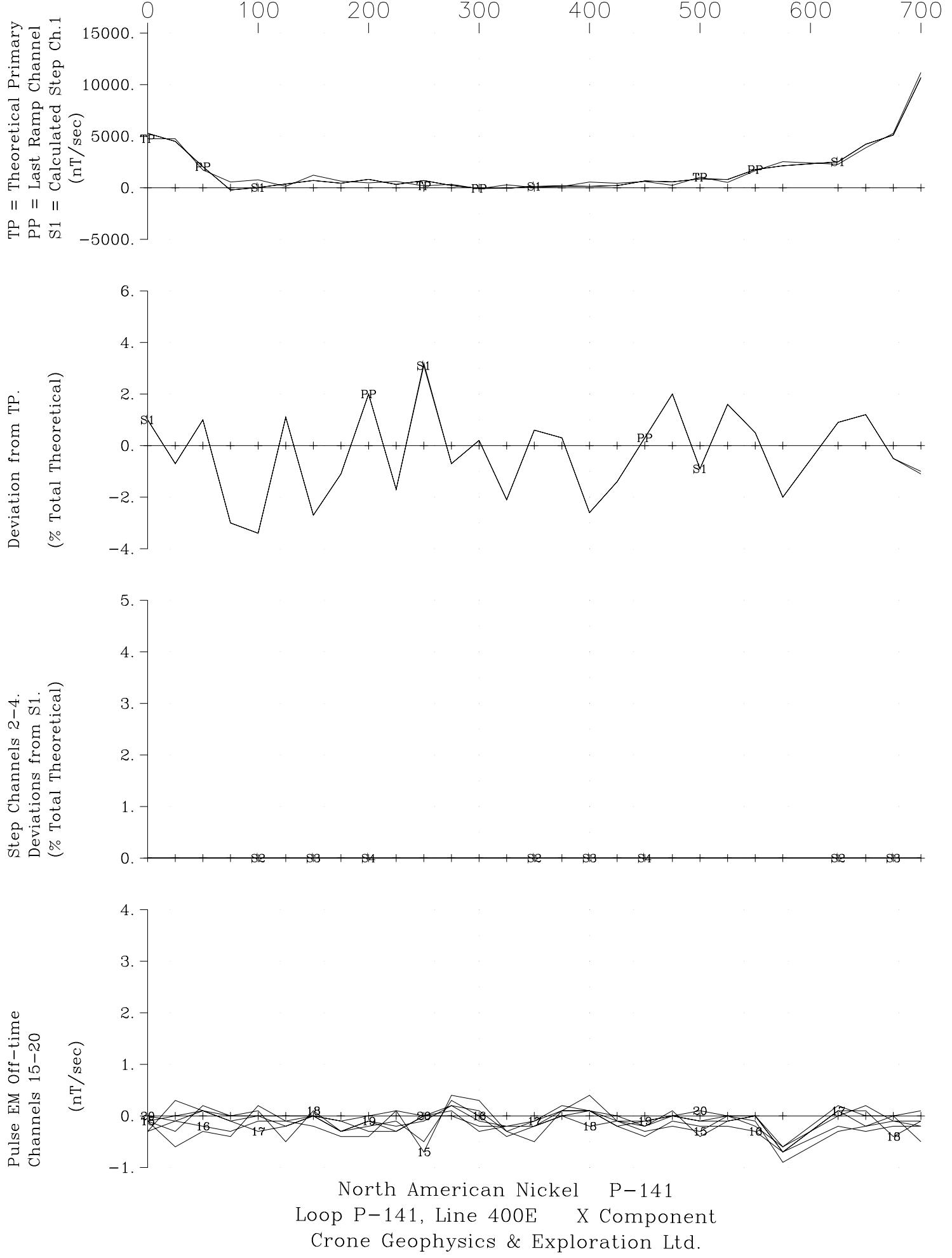


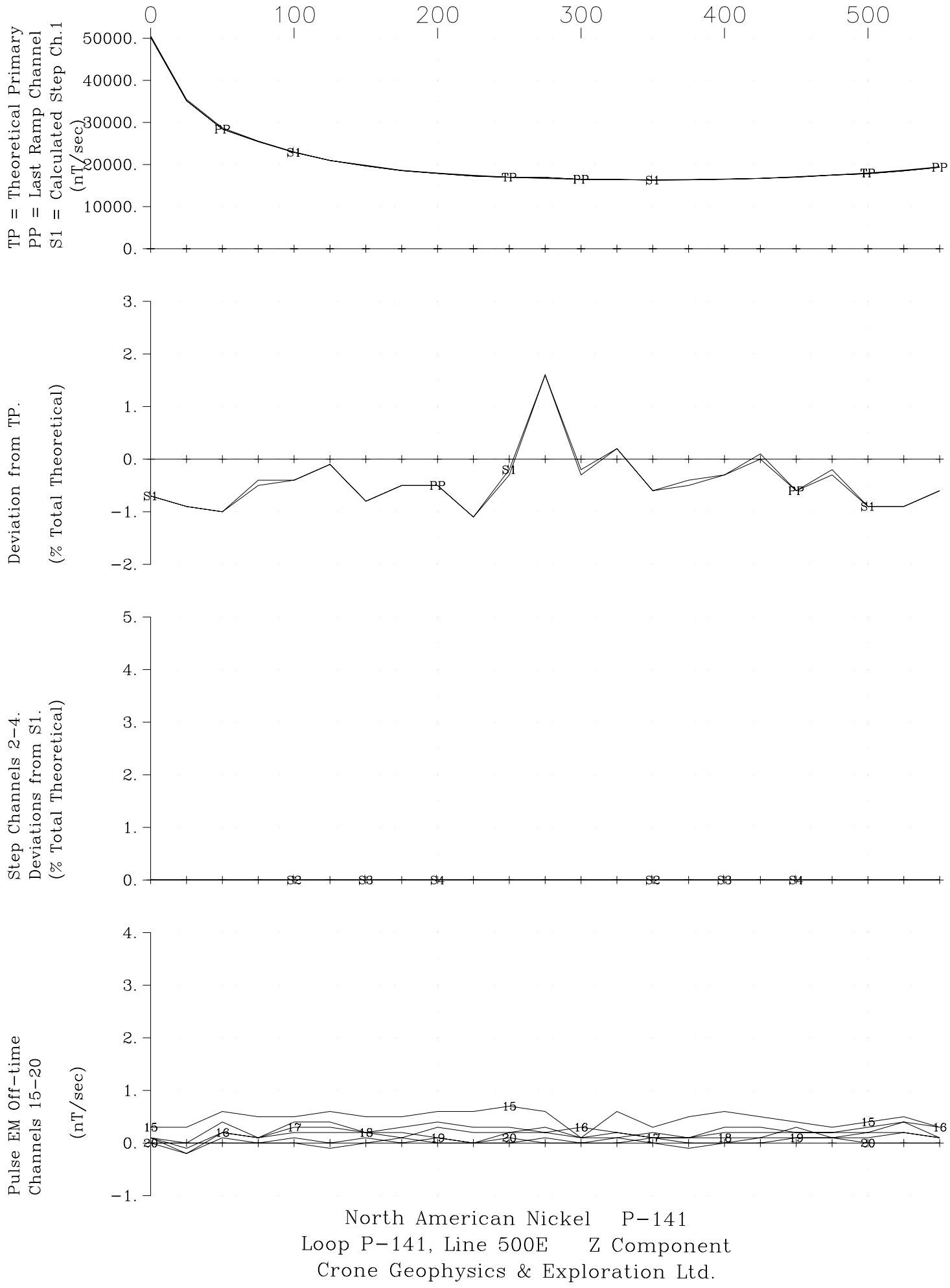
Deviation from TP.
 (% Total Theoretical)
 S1

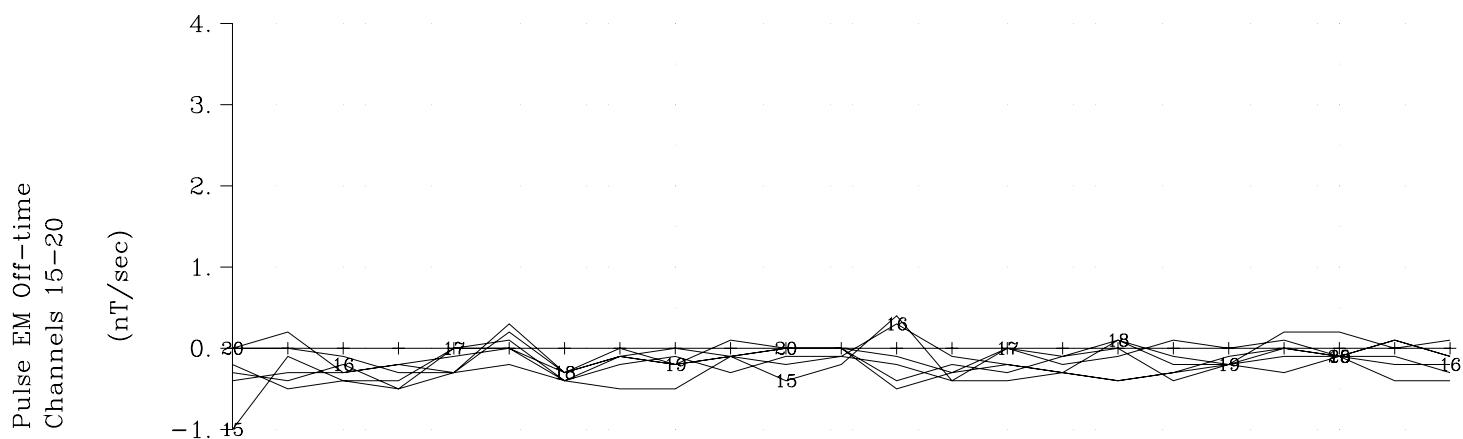
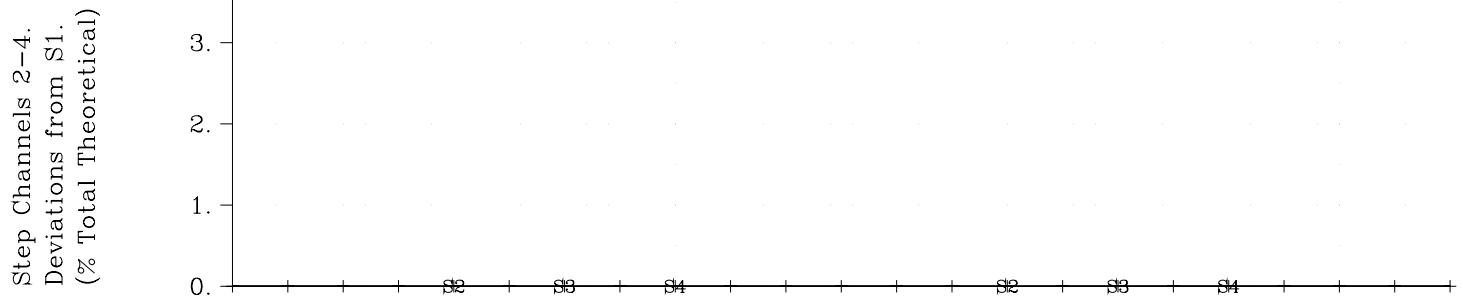
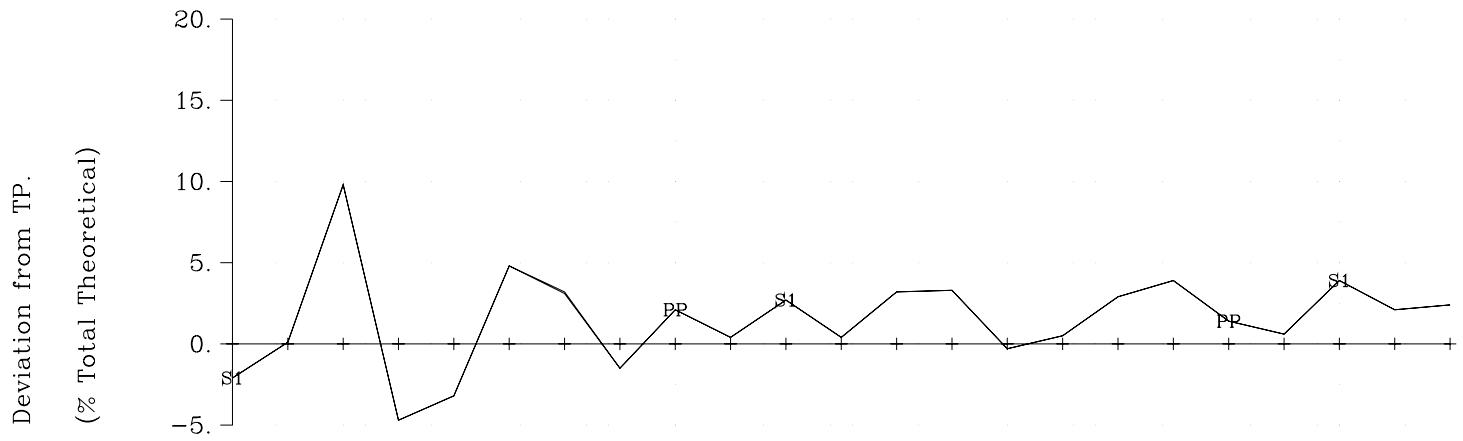
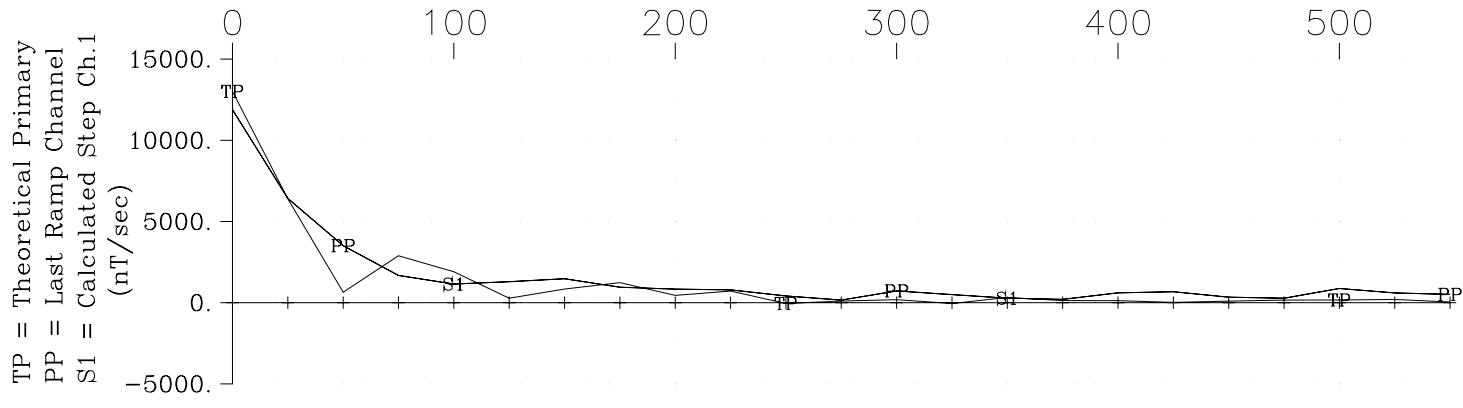
Step Channels 2-4.
 Deviations from S1.
 (% Total Theoretical)
 S12 S13 S14 S12 S13 S14 S12 S13

Pulse EM Off-time
 Channels 15-20
 (nT/sec)

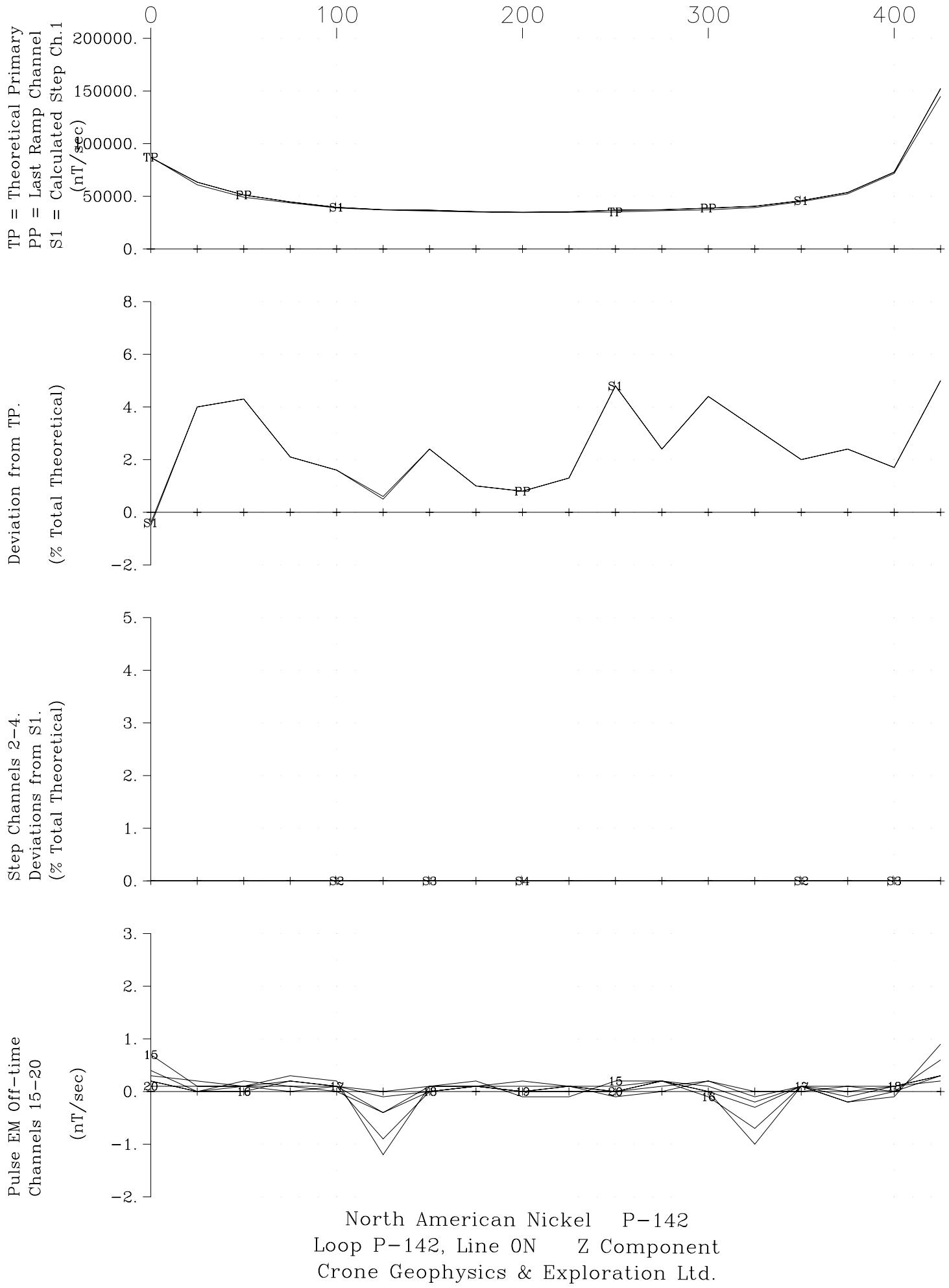
North American Nickel P-141
 Loop P-141, Line 400E Z Component
 Crone Geophysics & Exploration Ltd.

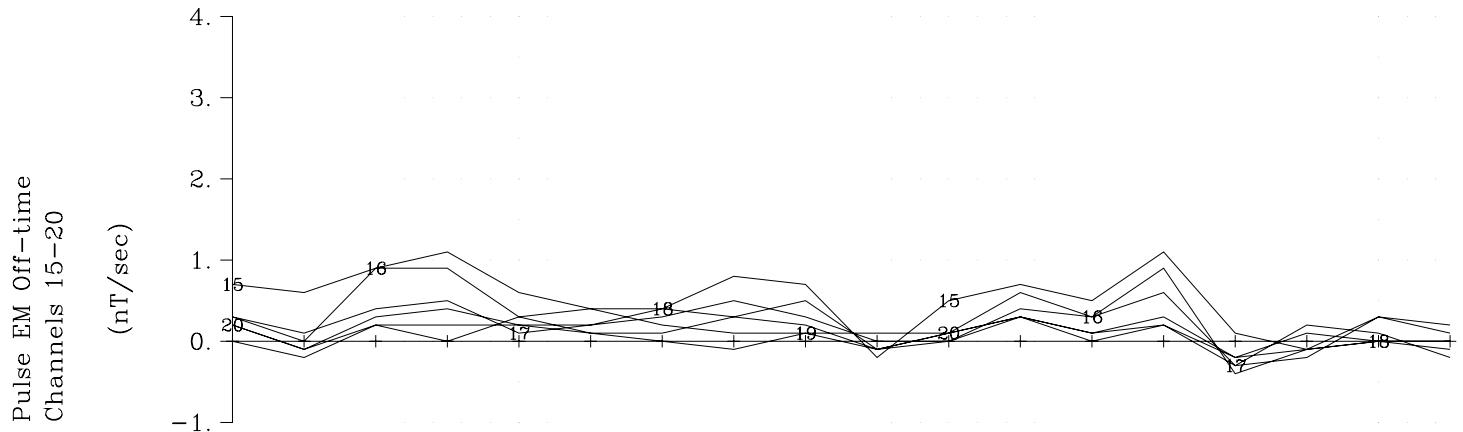
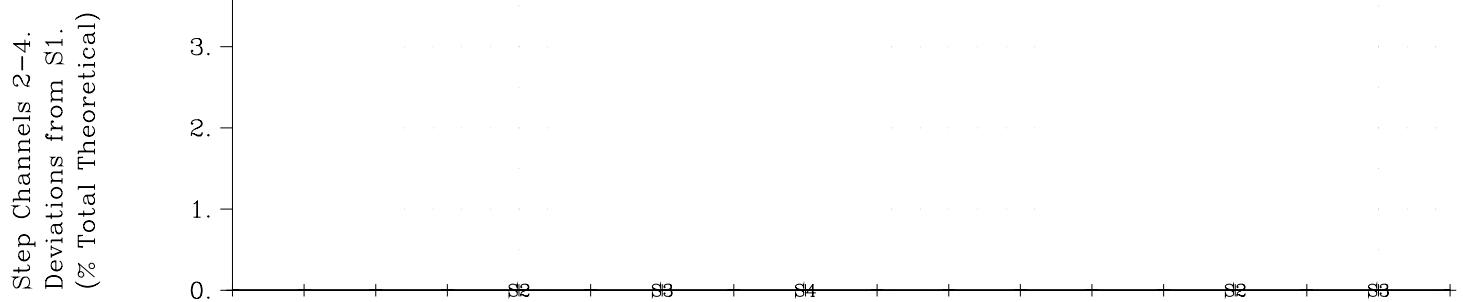
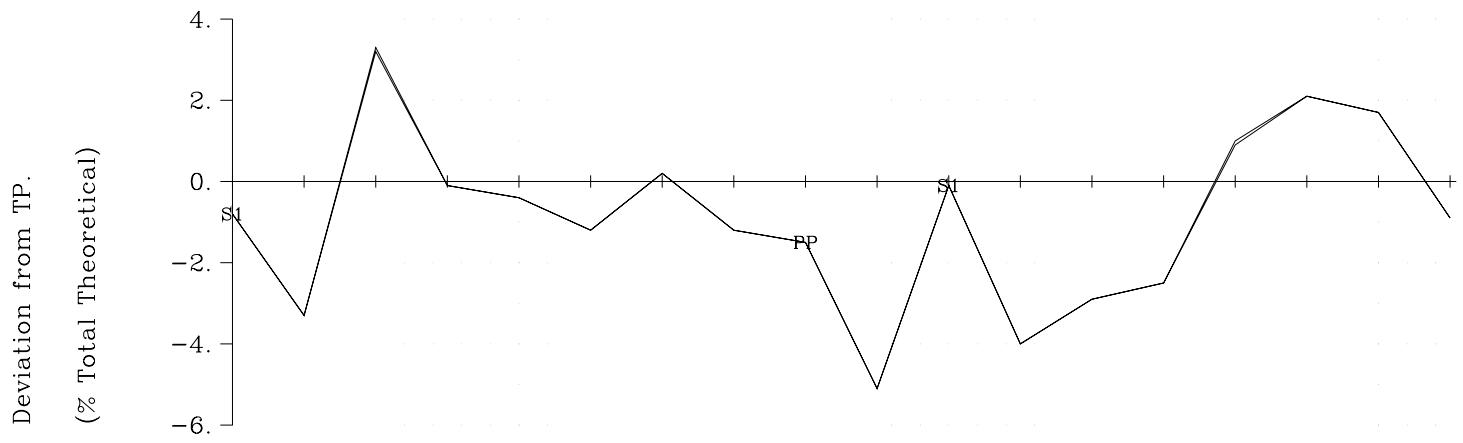
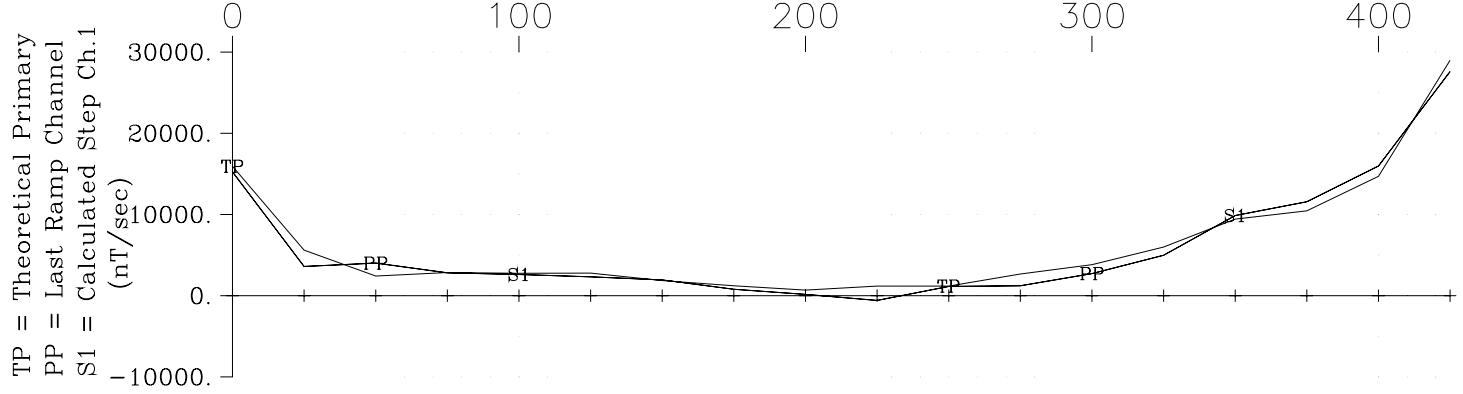




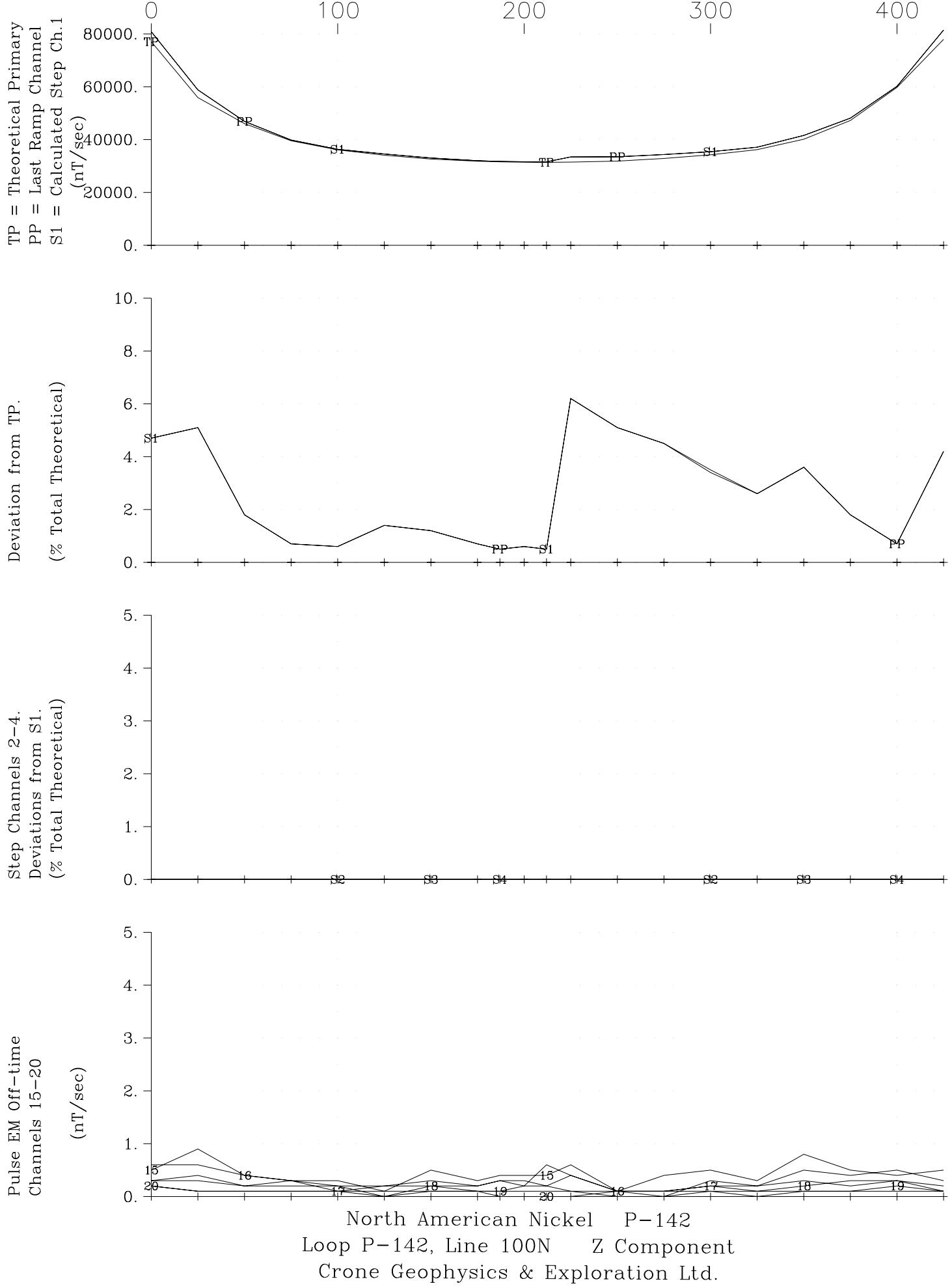


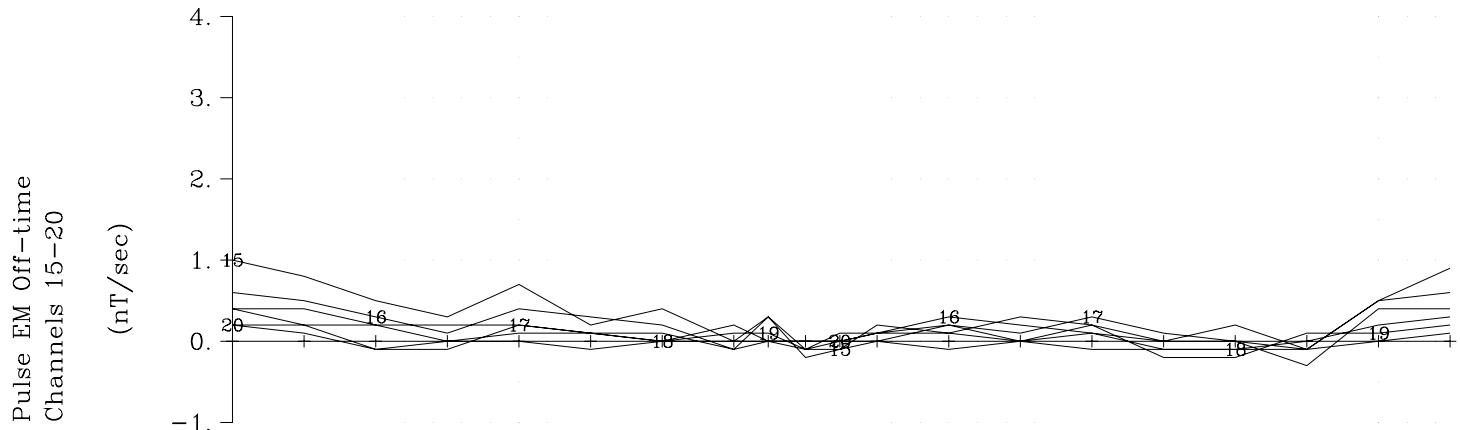
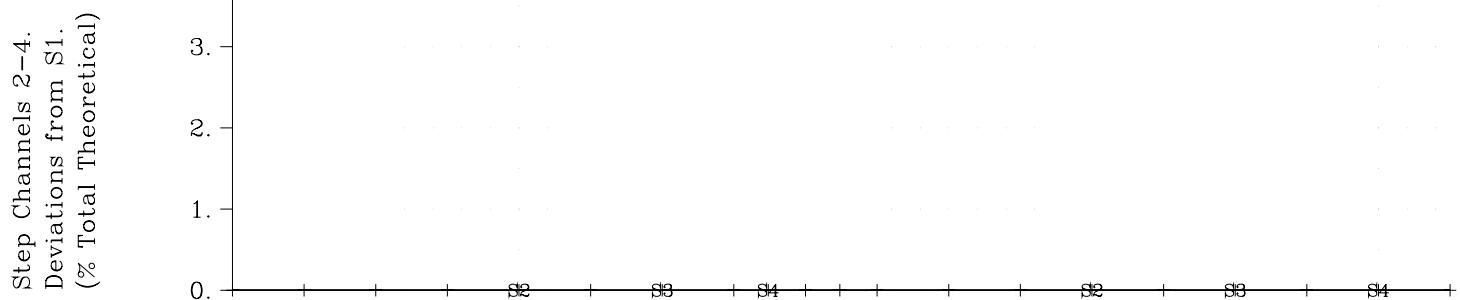
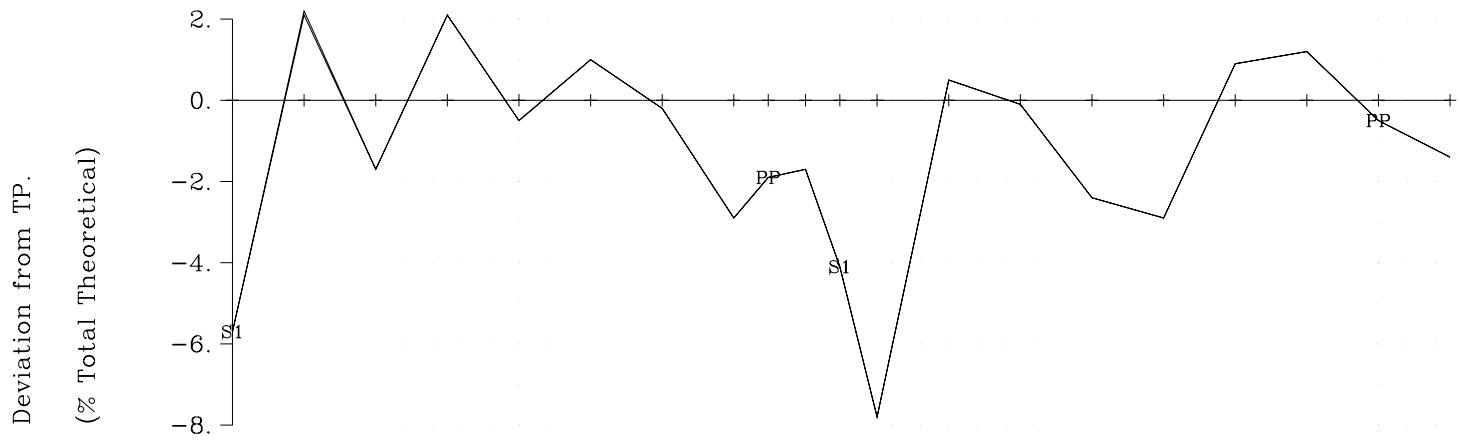
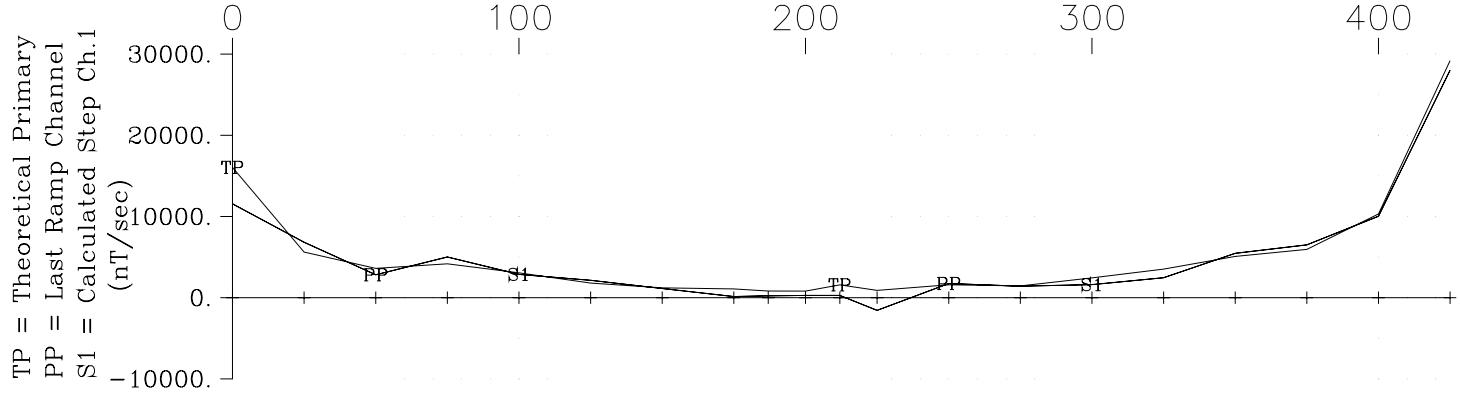
North American Nickel P-141
 Loop P-141, Line 500E X Component
 Crone Geophysics & Exploration Ltd.



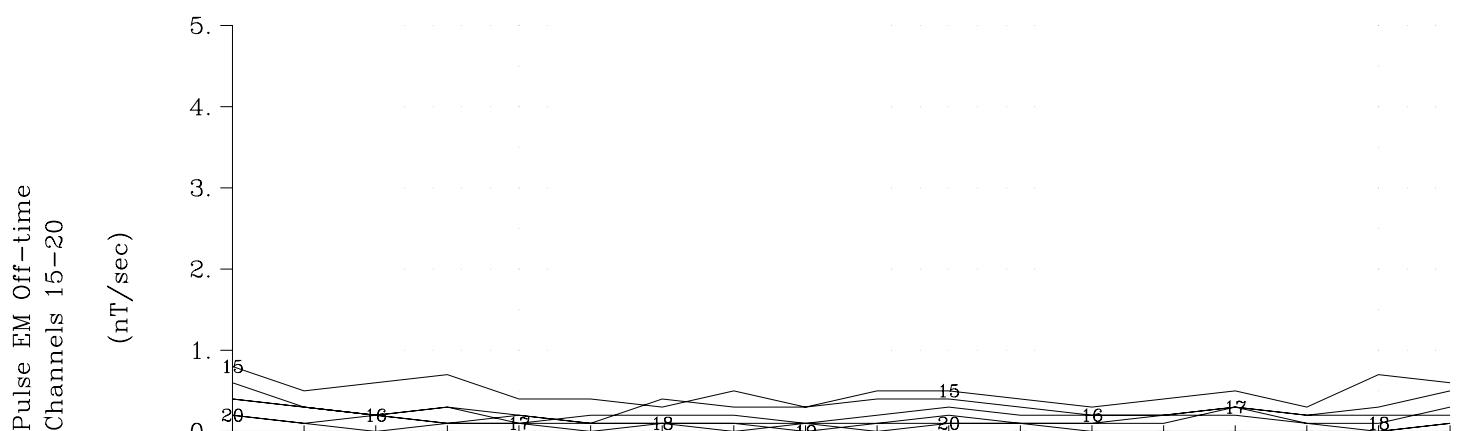
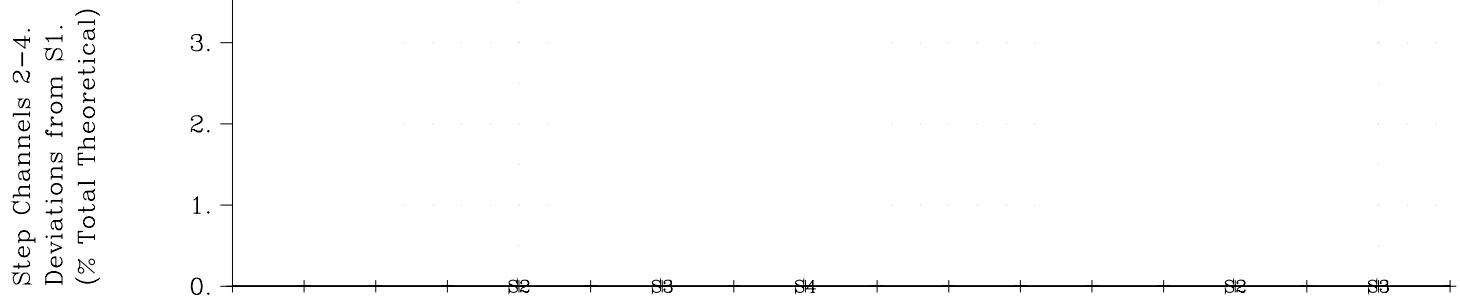
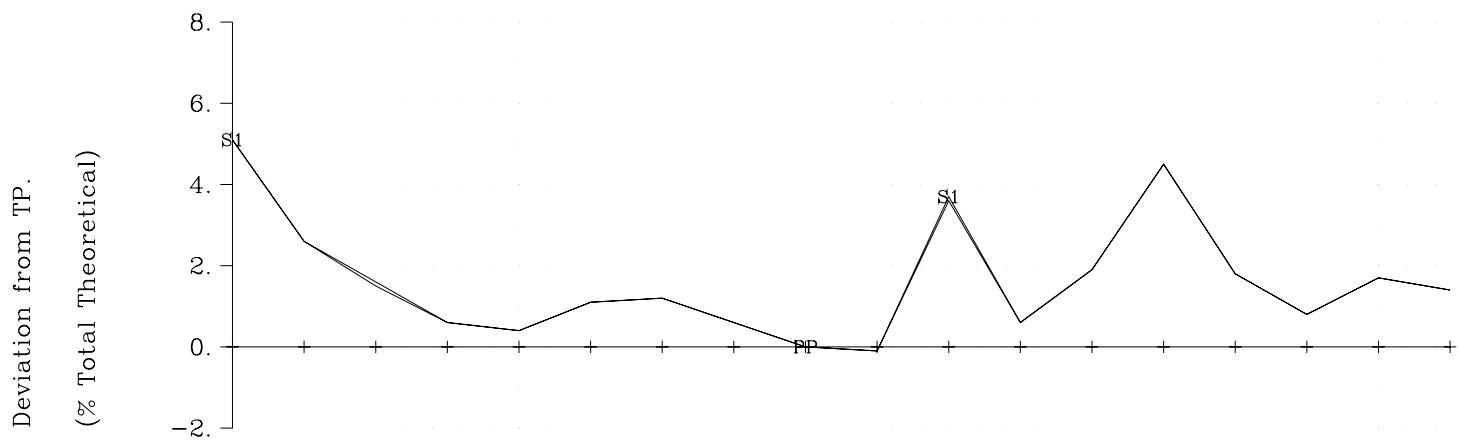
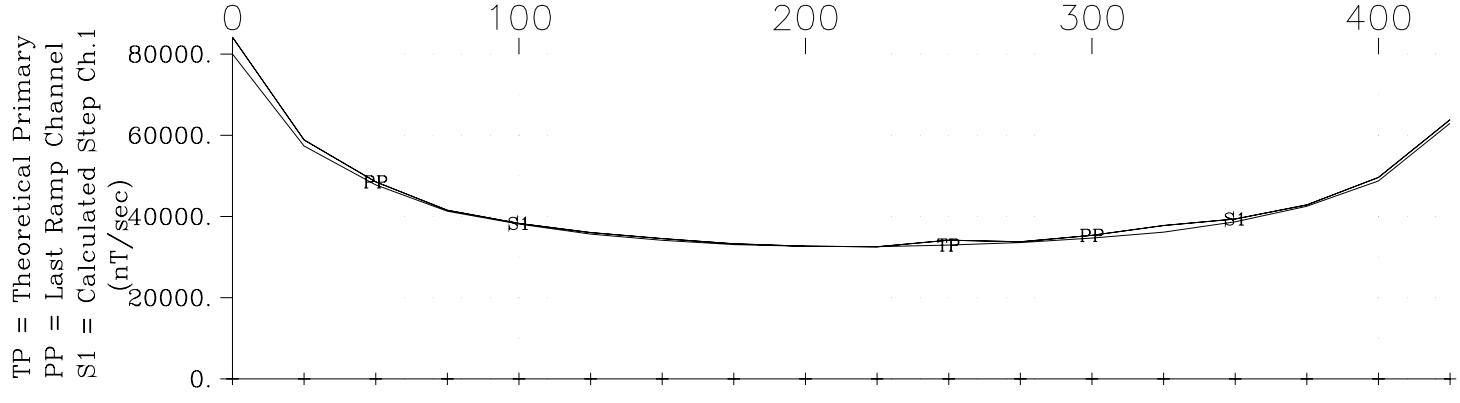


North American Nickel P-142
 Loop P-142, Line 0N X Component
 Crone Geophysics & Exploration Ltd.

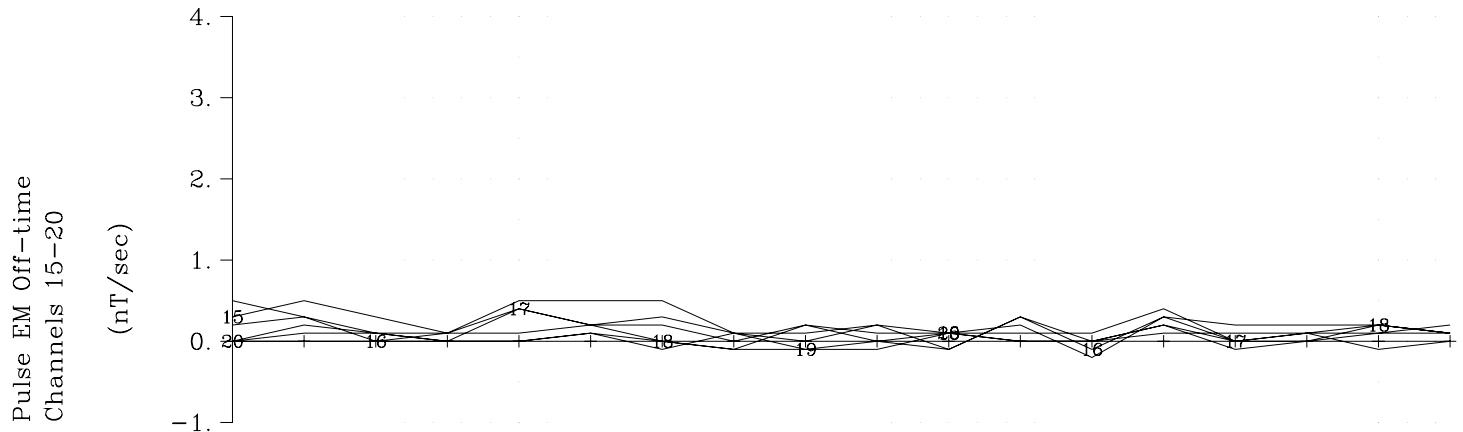
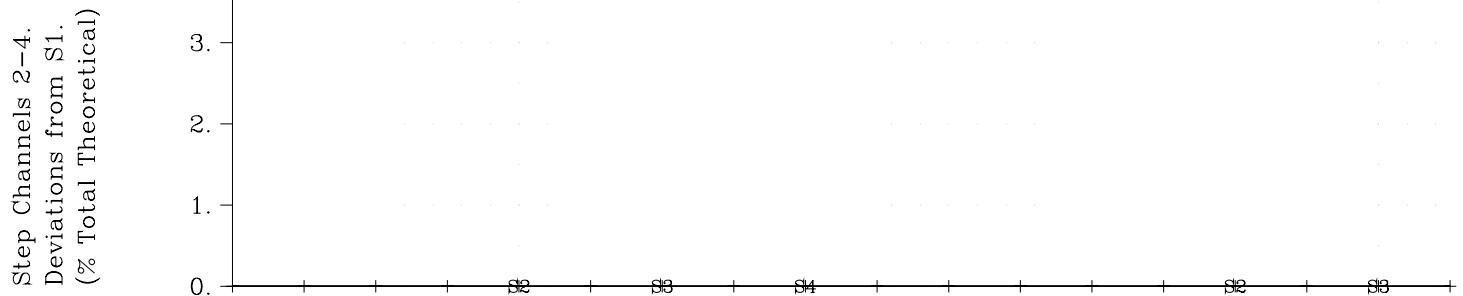
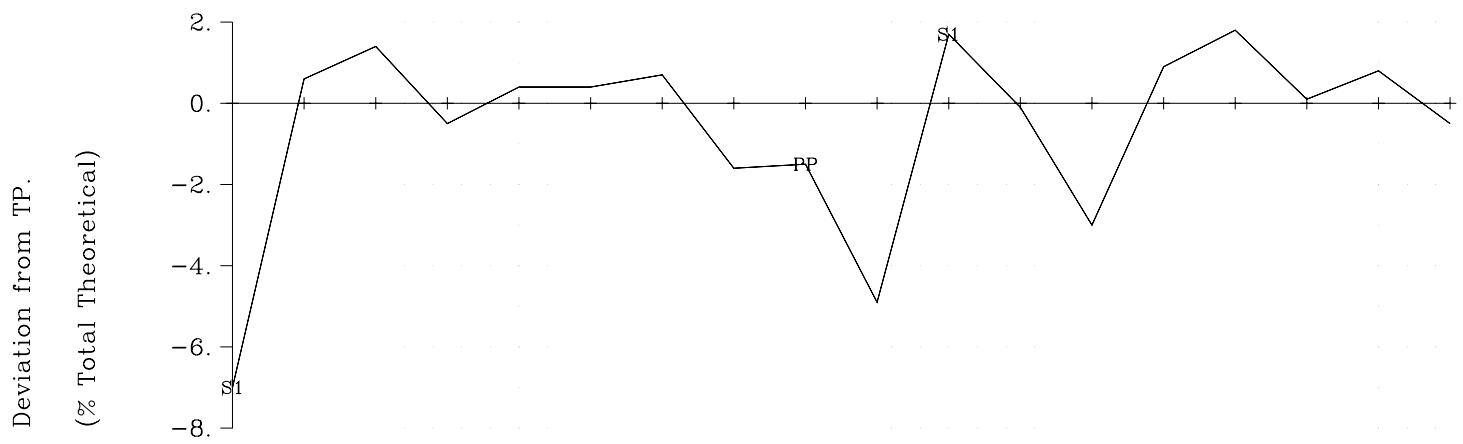
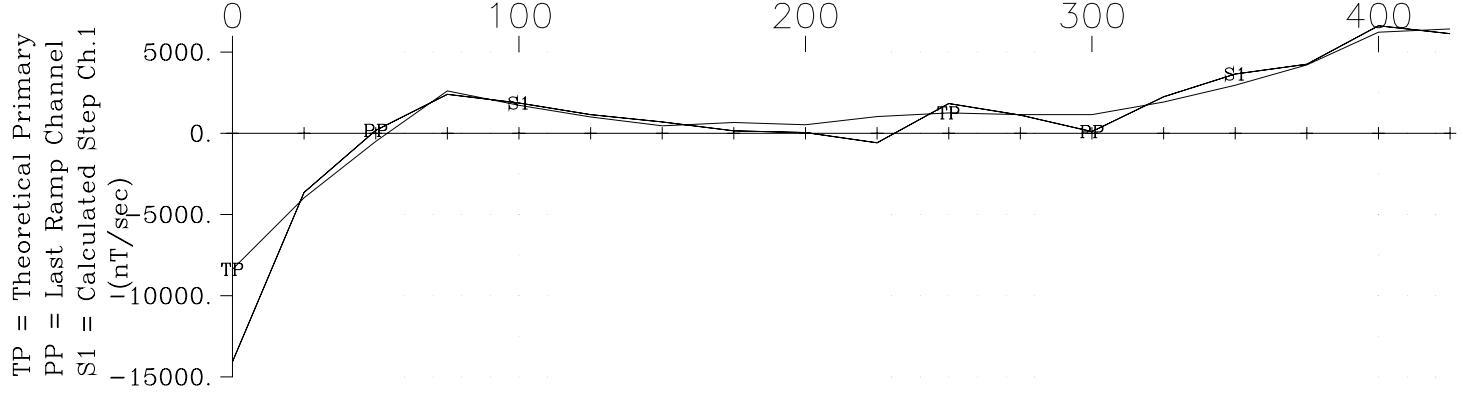




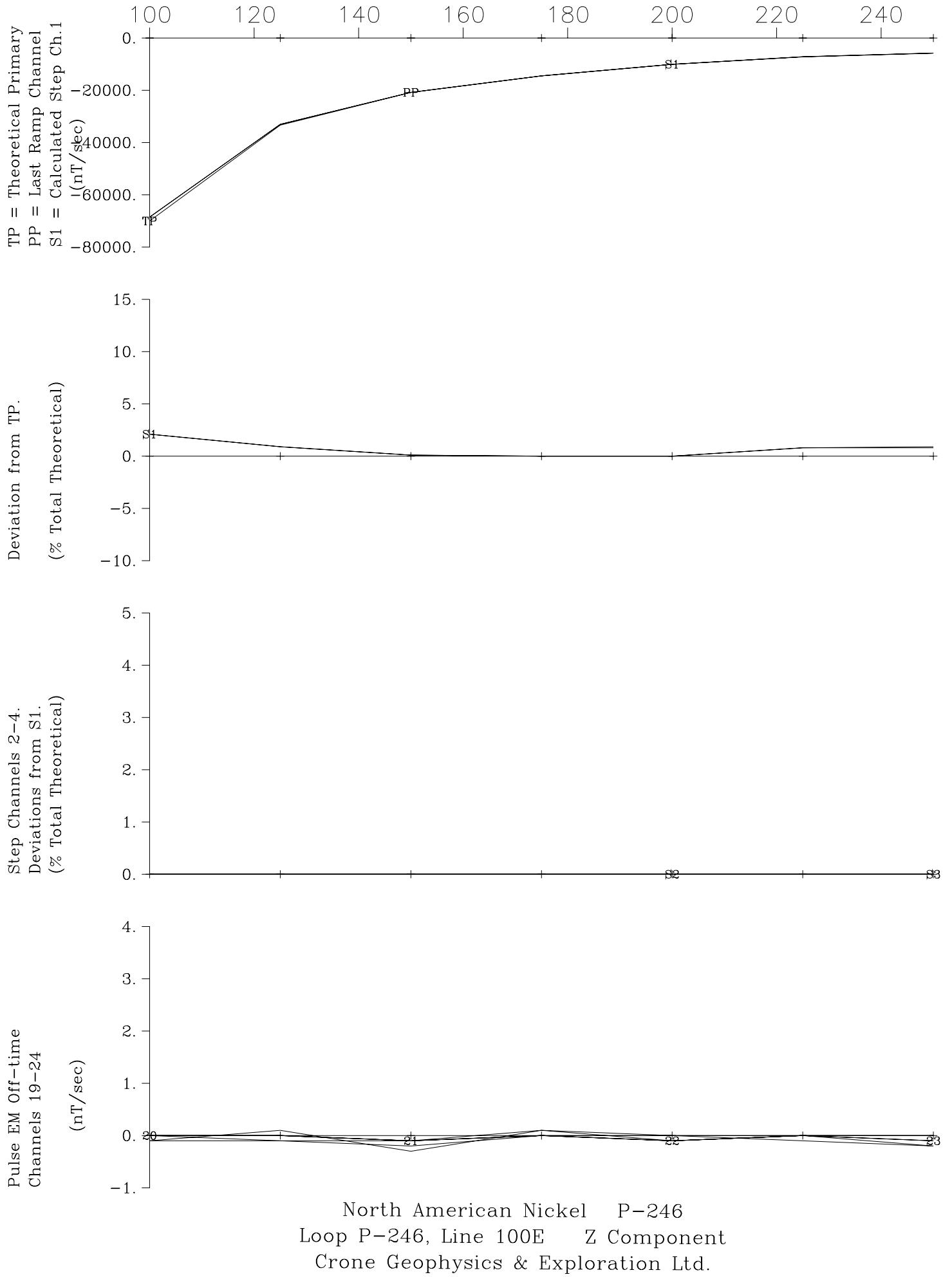
North American Nickel P-142
 Loop P-142, Line 100N X Component
 Crone Geophysics & Exploration Ltd.

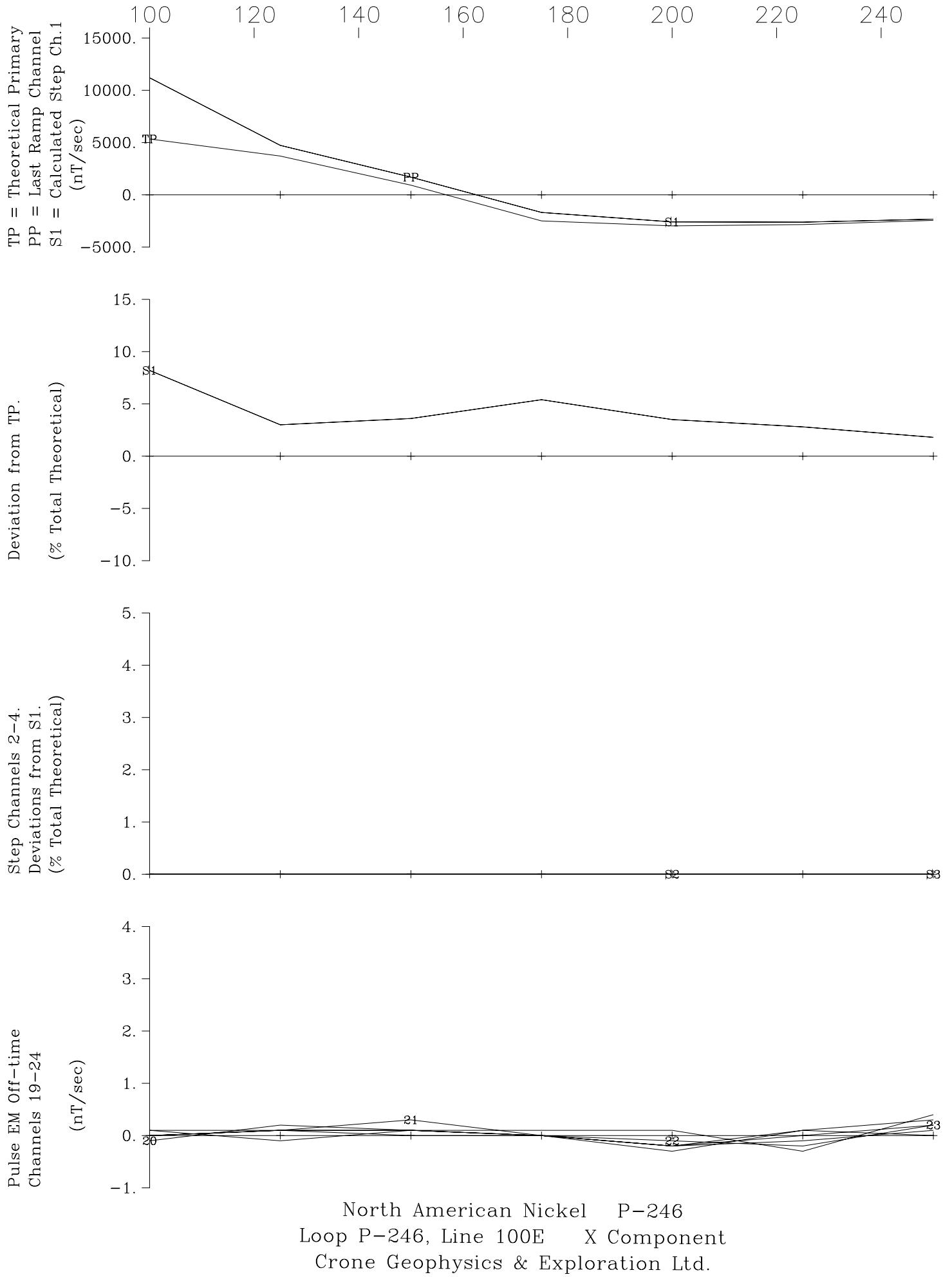


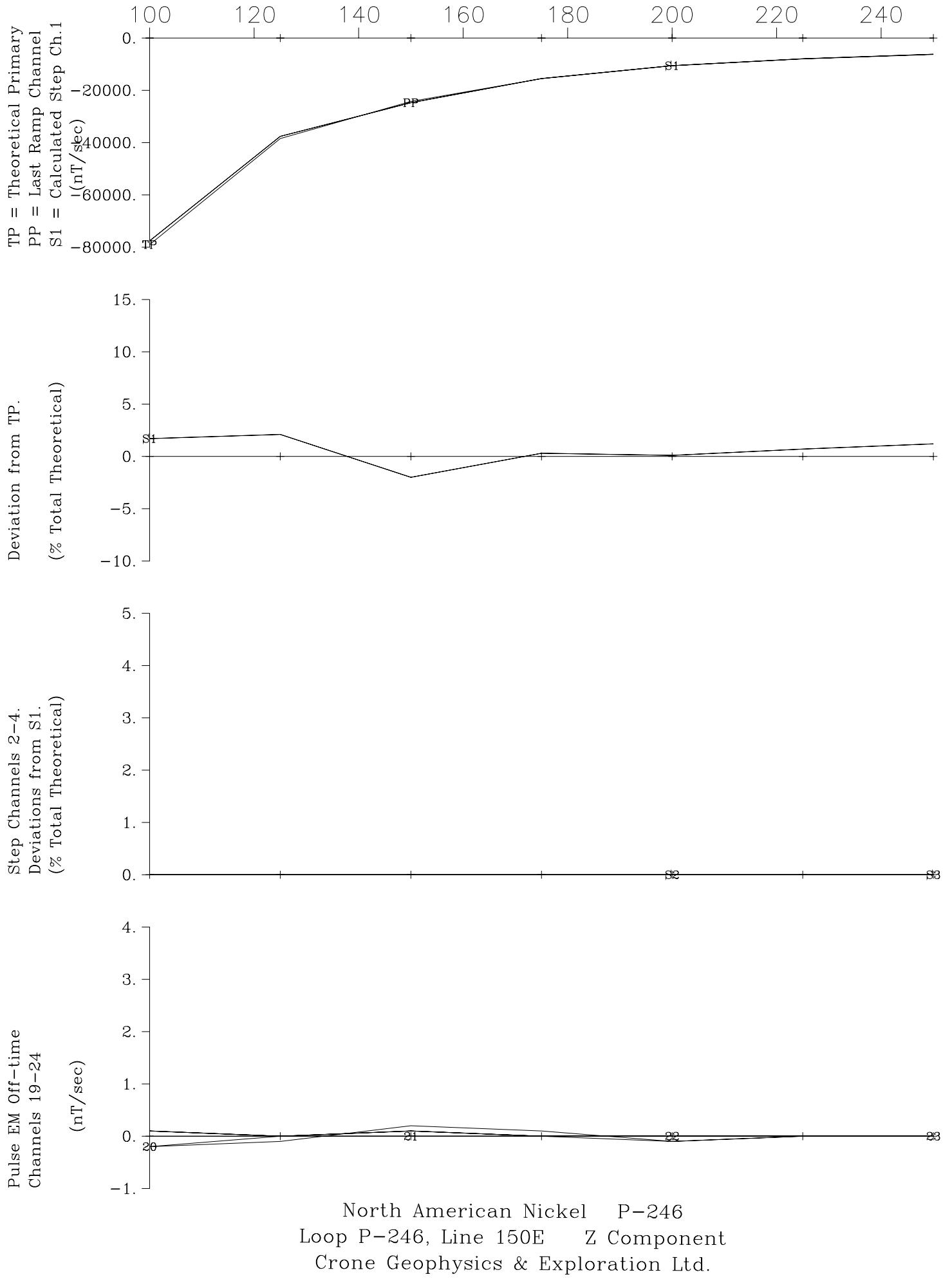
North American Nickel P-142
 Loop P-142, Line 200N Z Component
 Crone Geophysics & Exploration Ltd.

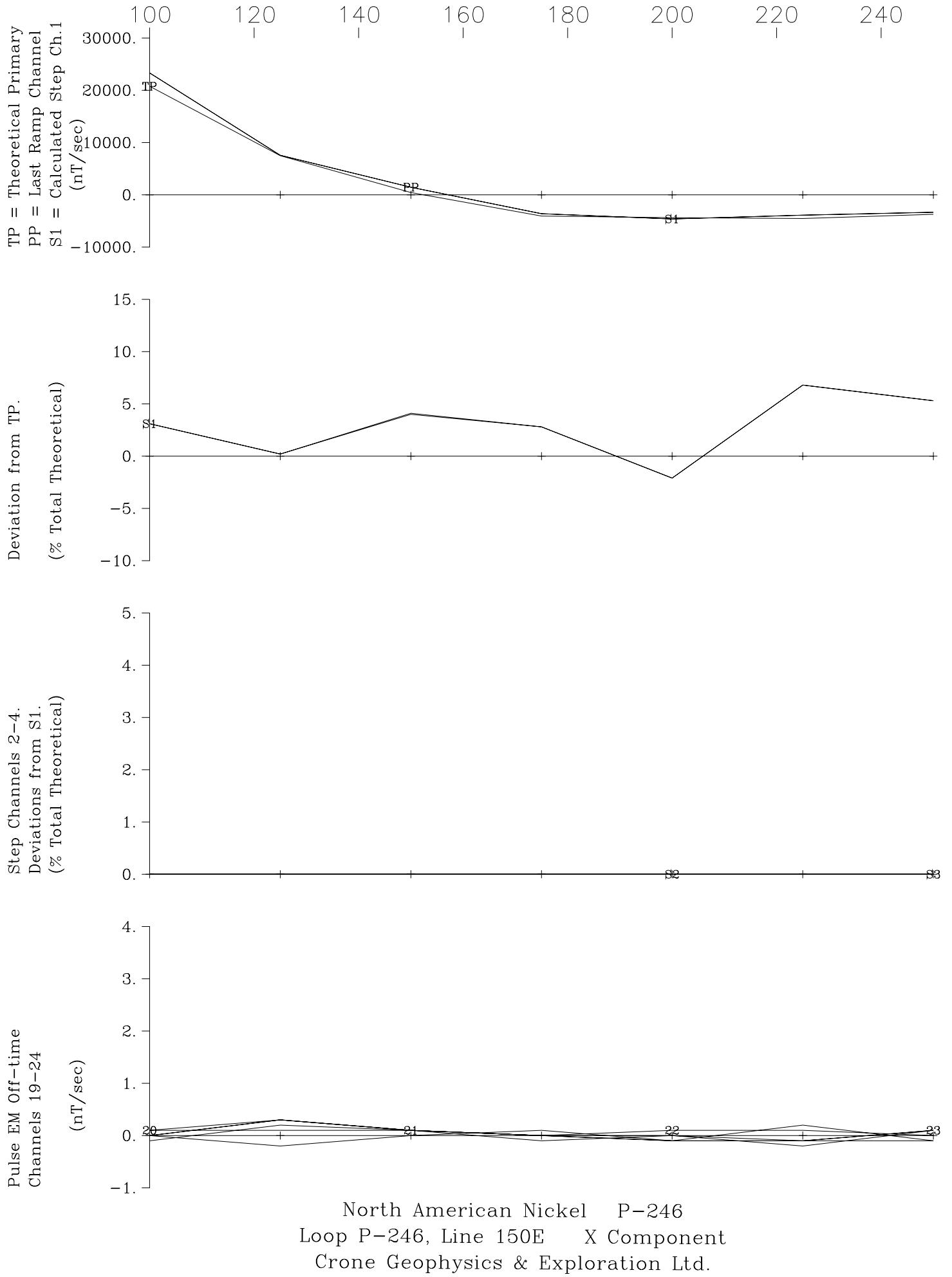


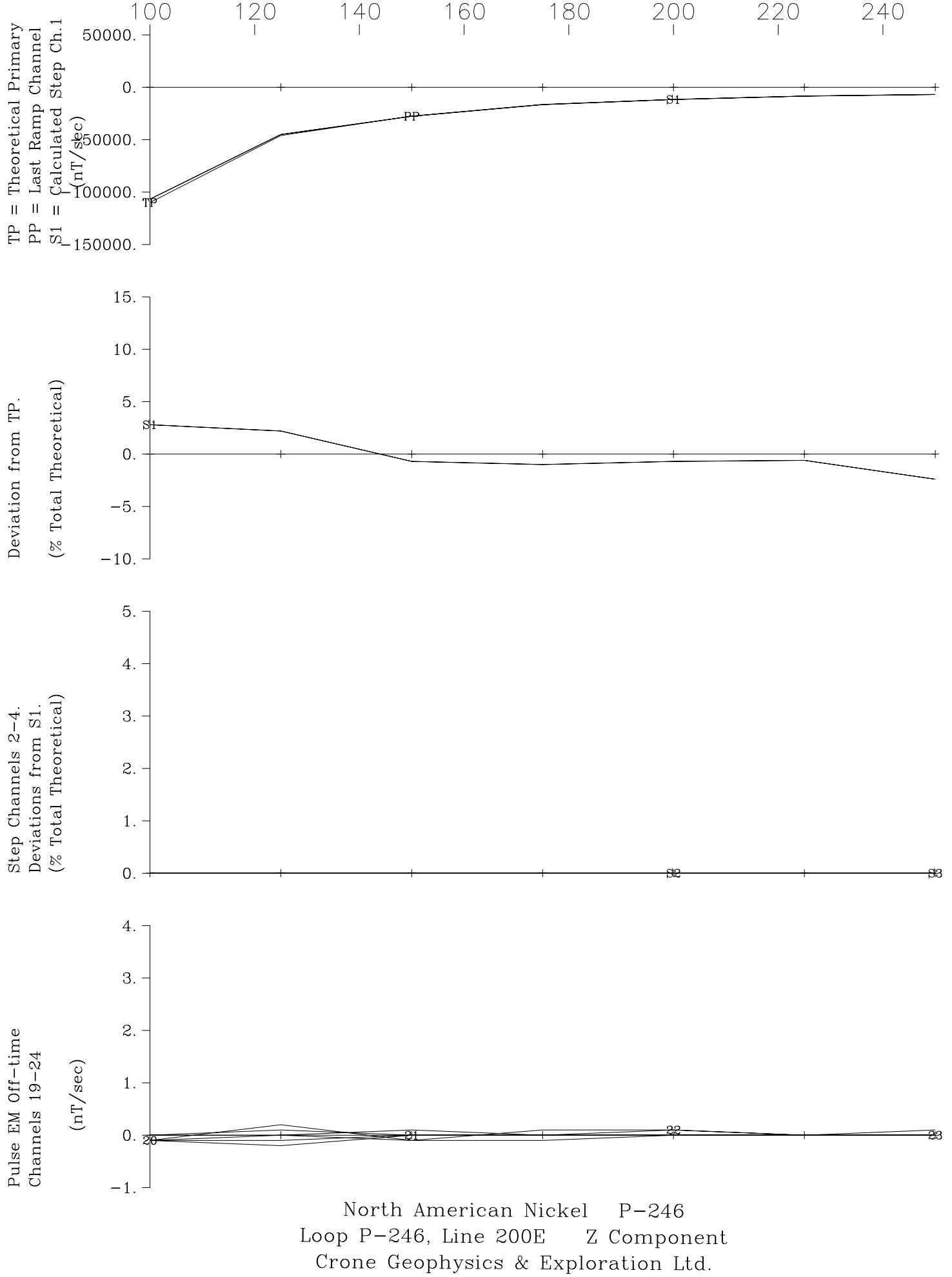
North American Nickel P-142
 Loop P-142, Line 200N X Component
 Crone Geophysics & Exploration Ltd.

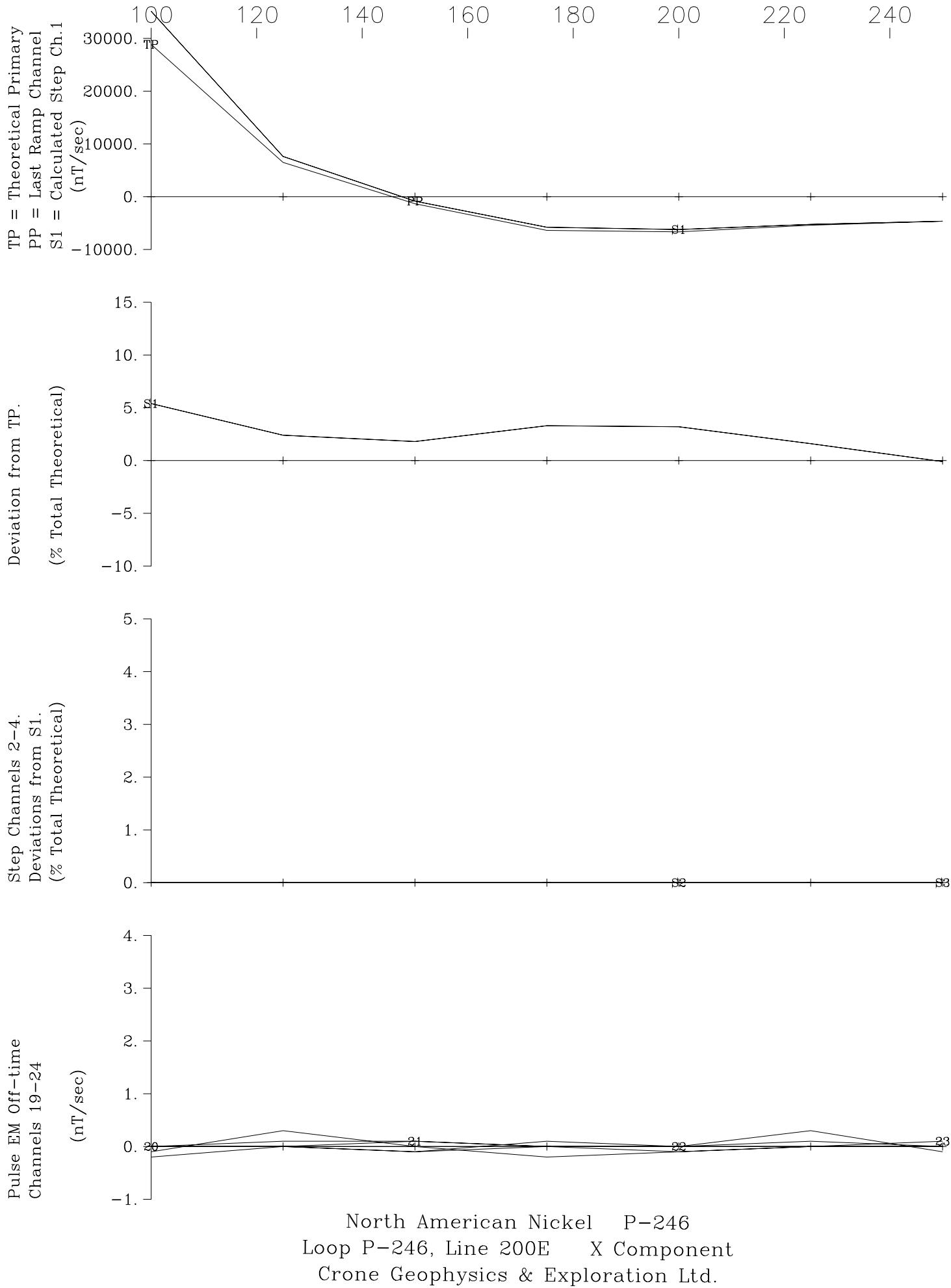


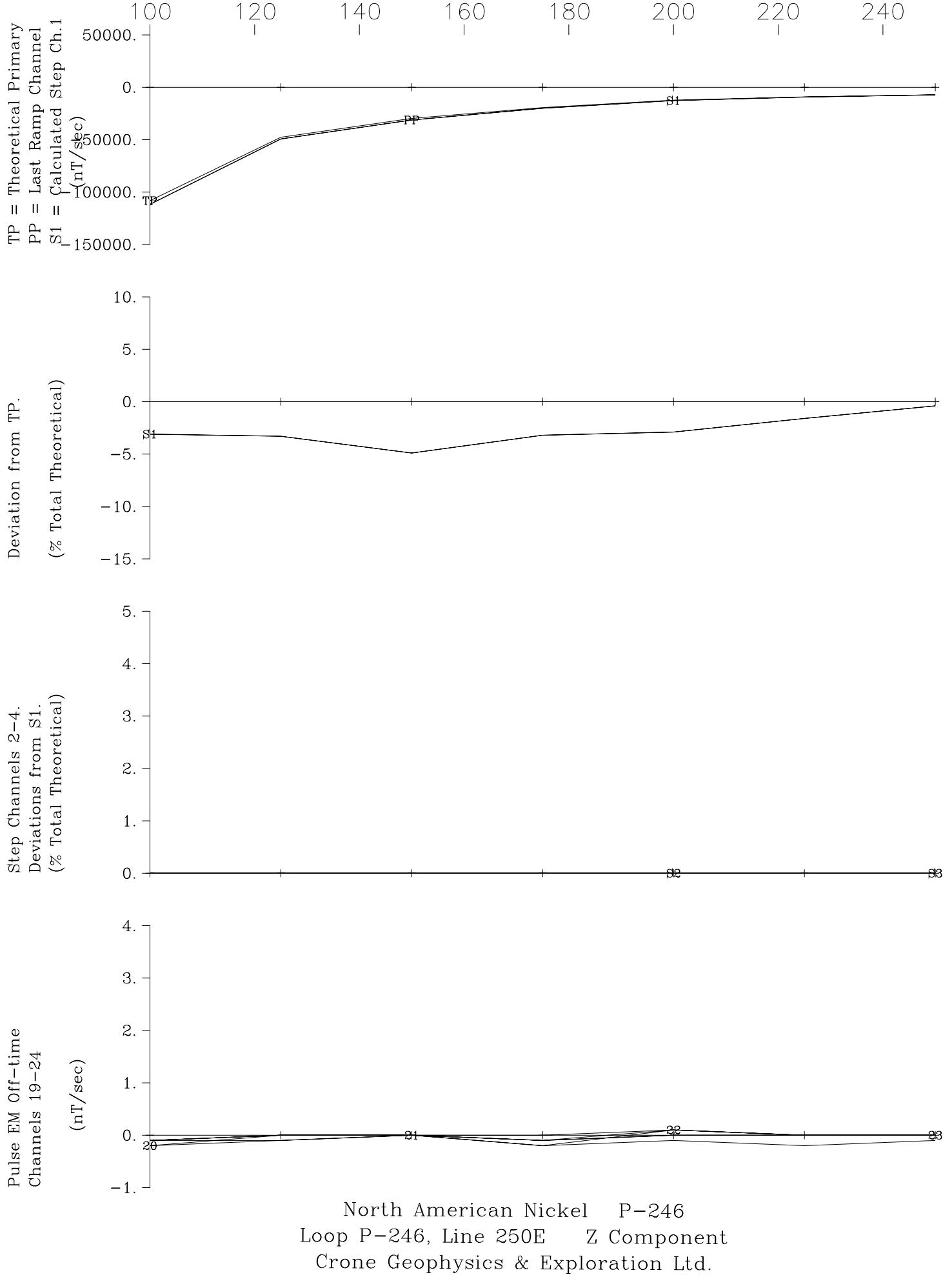


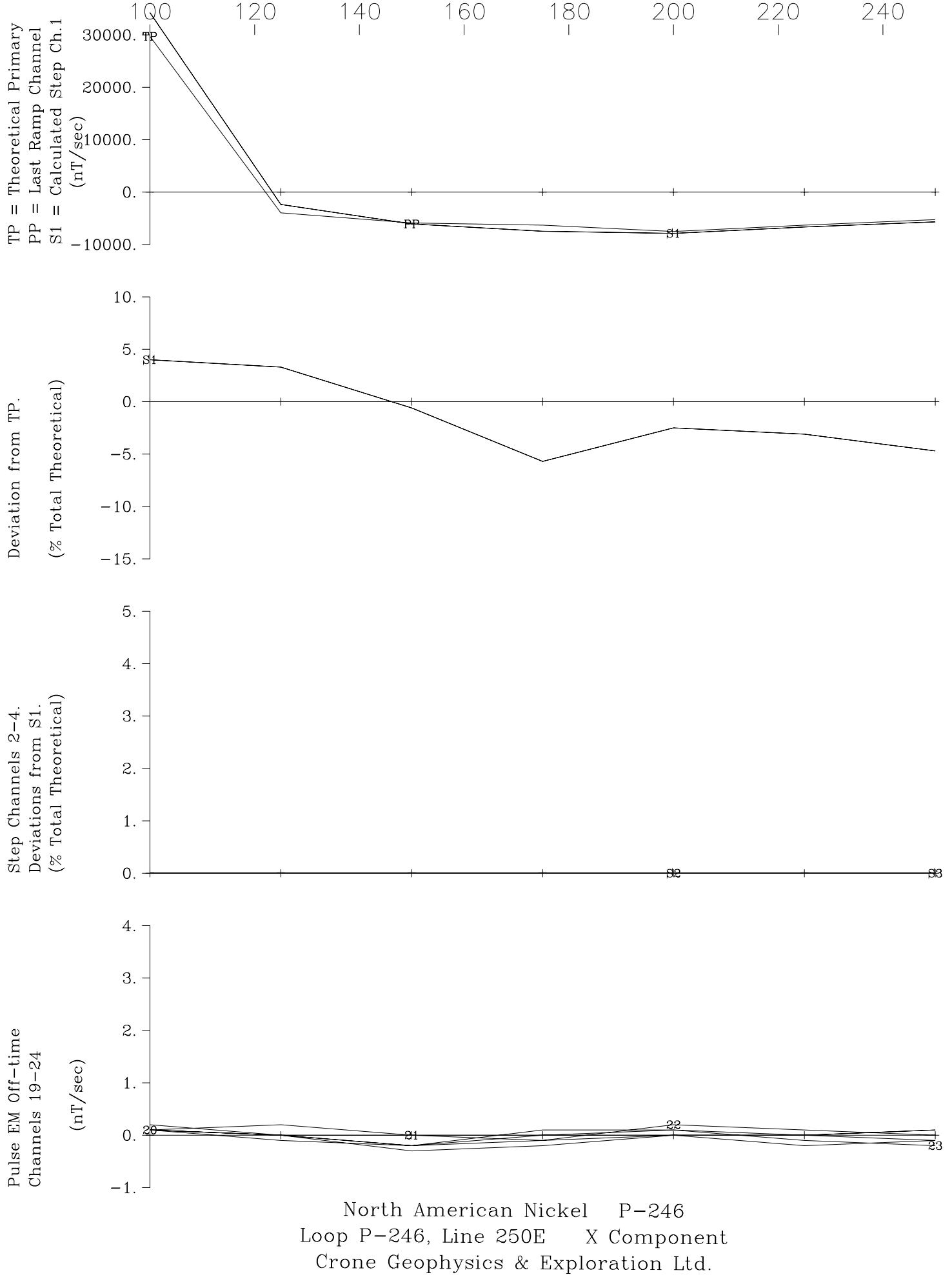


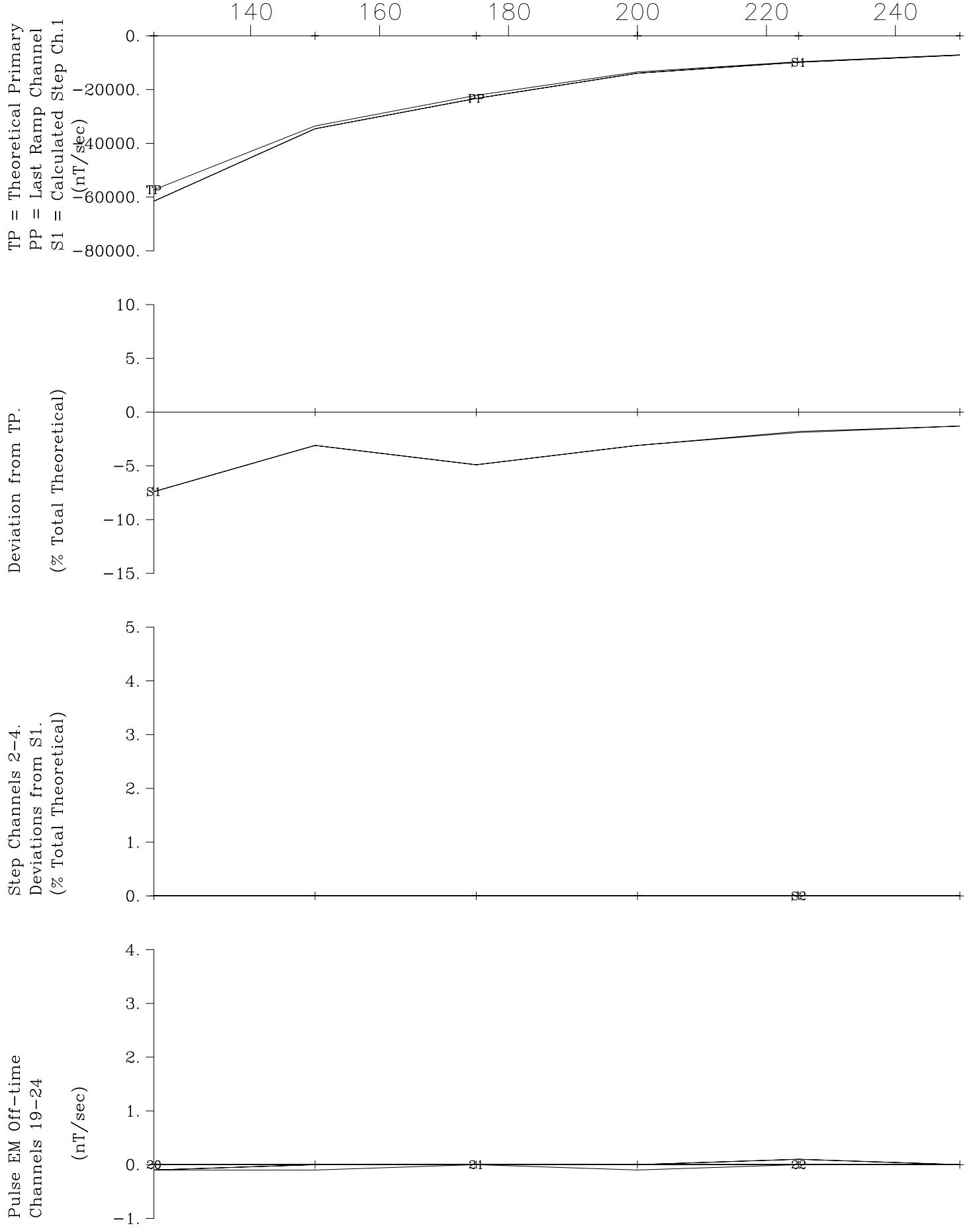




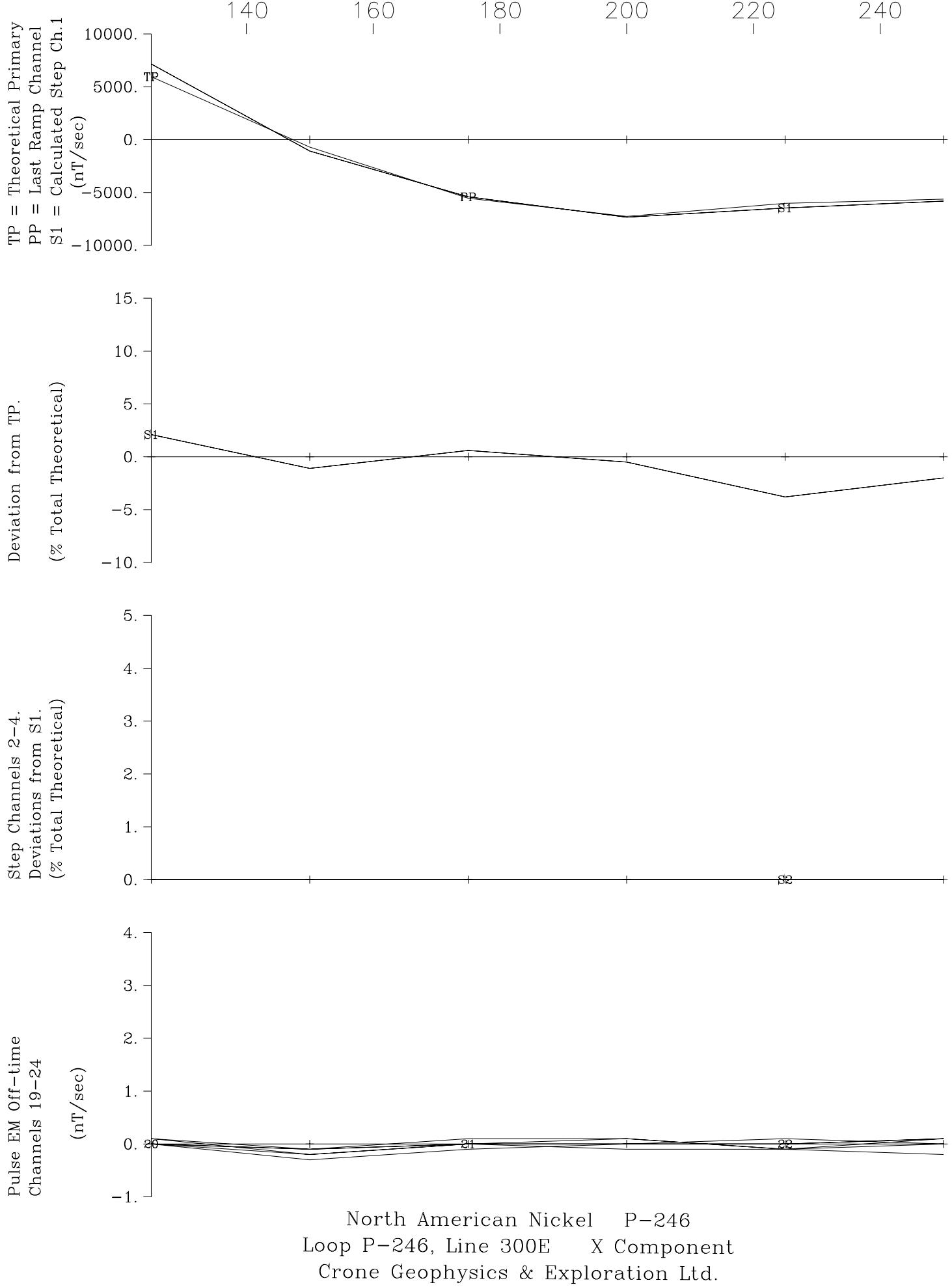


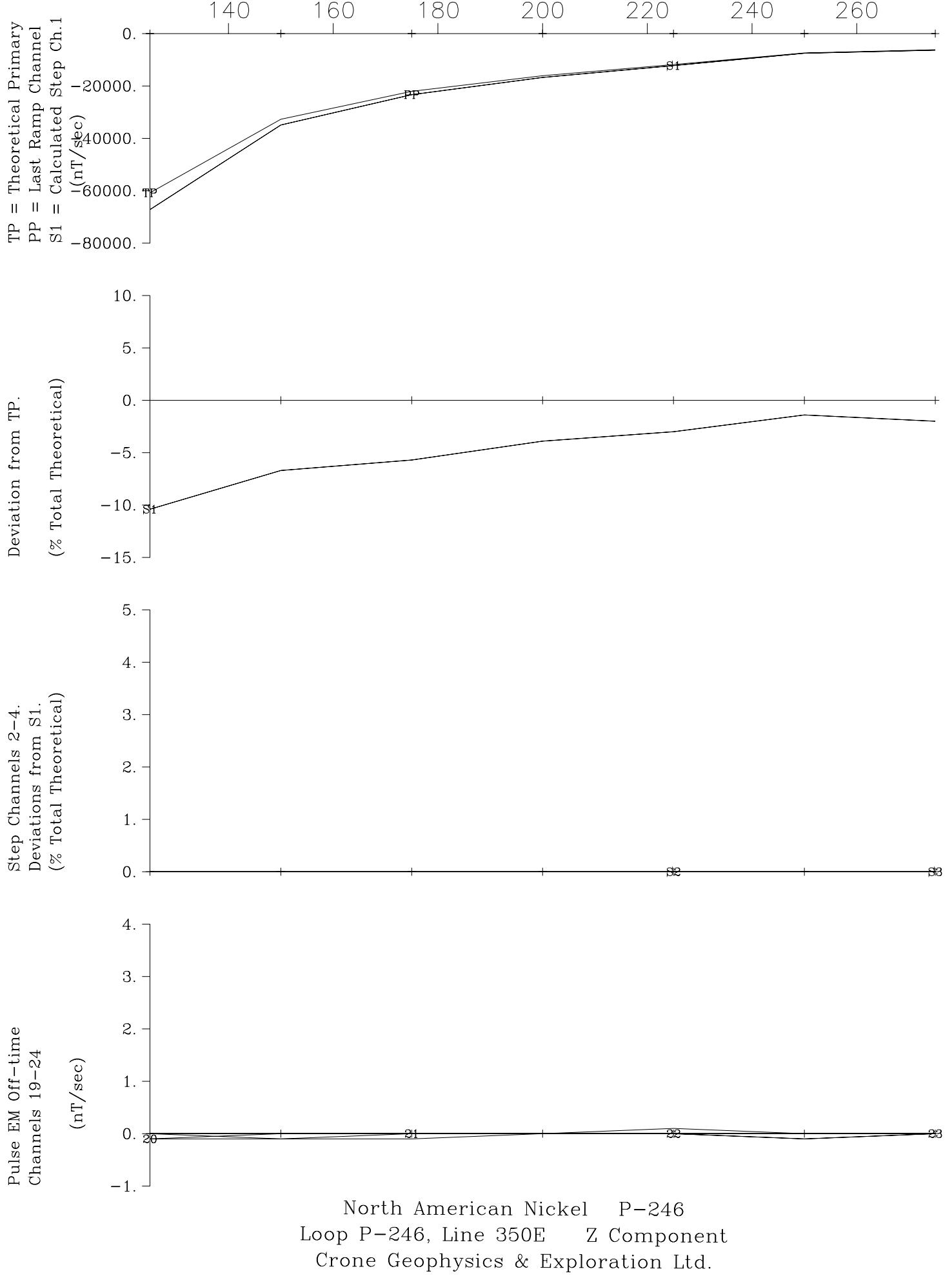


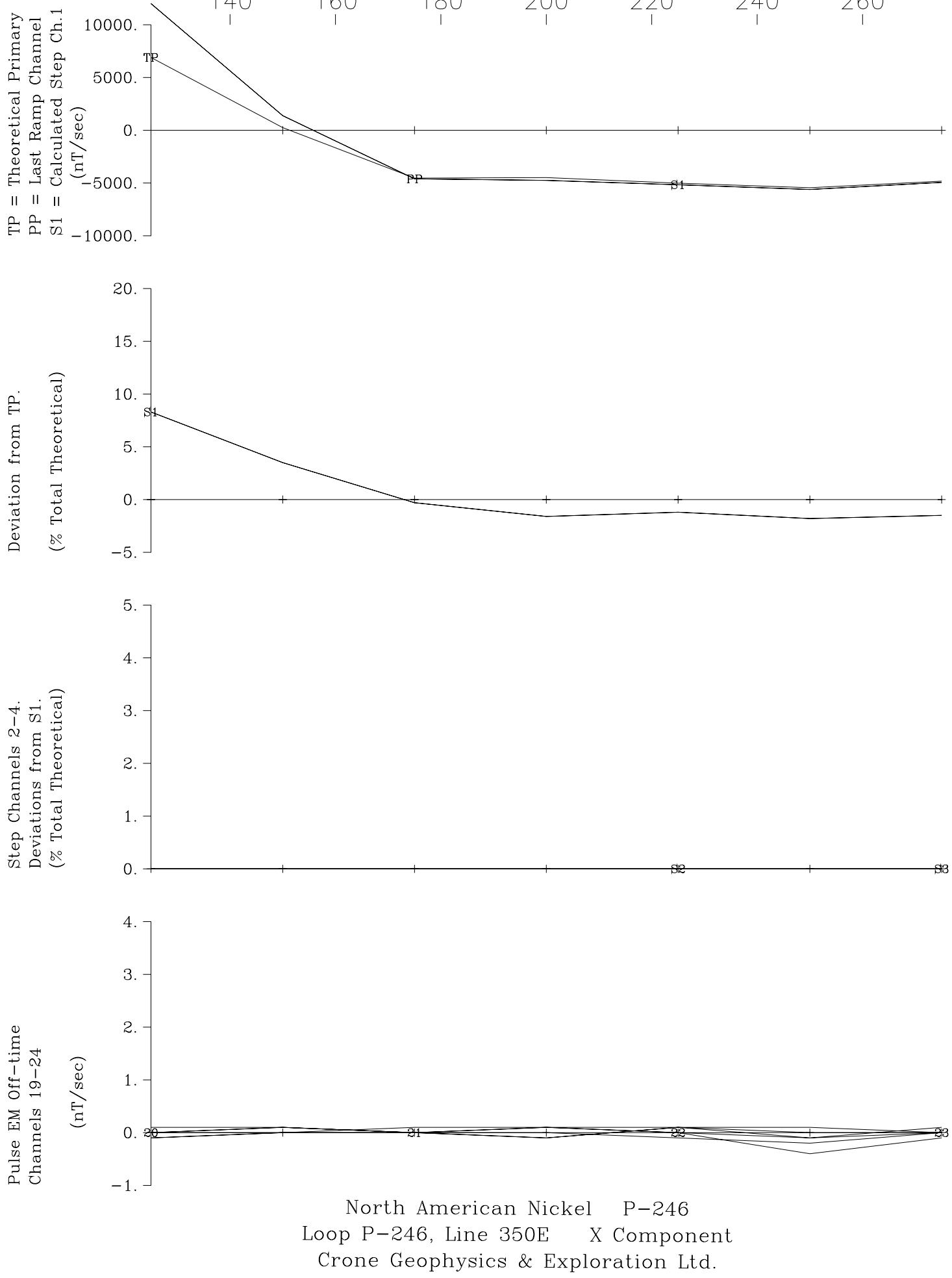


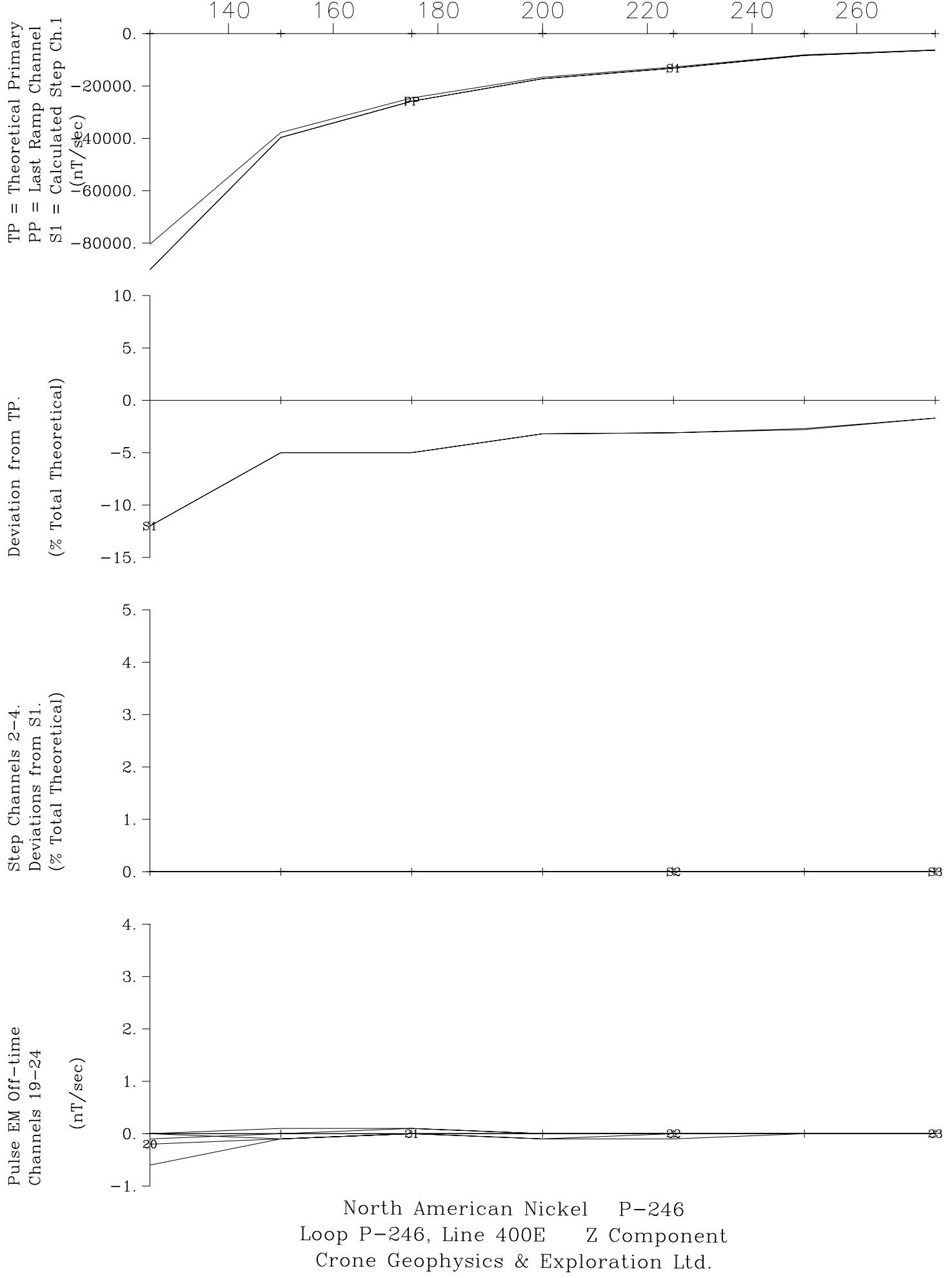


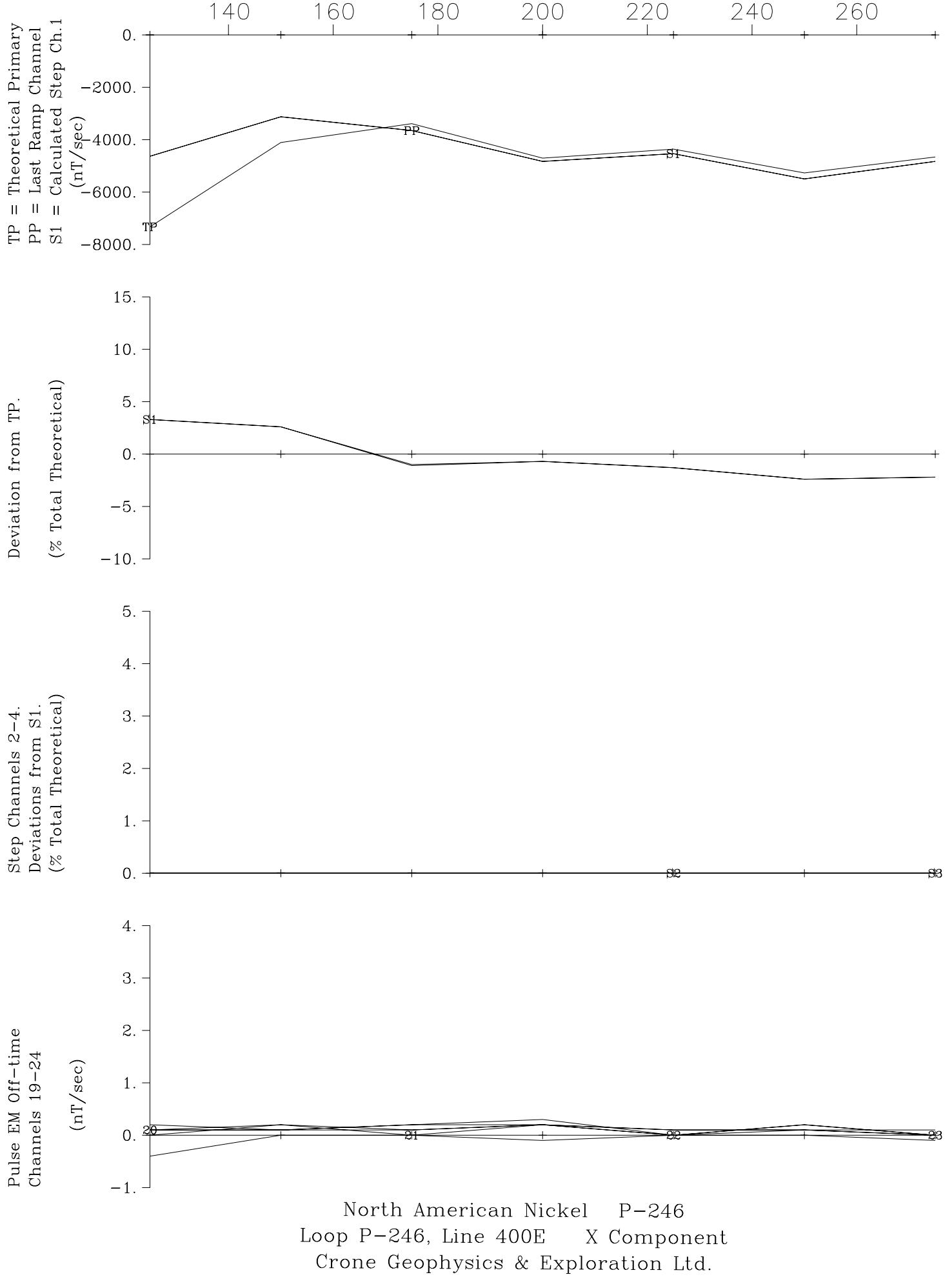
North American Nickel P-246
 Loop P-246, Line 300E Z Component
 Crone Geophysics & Exploration Ltd.

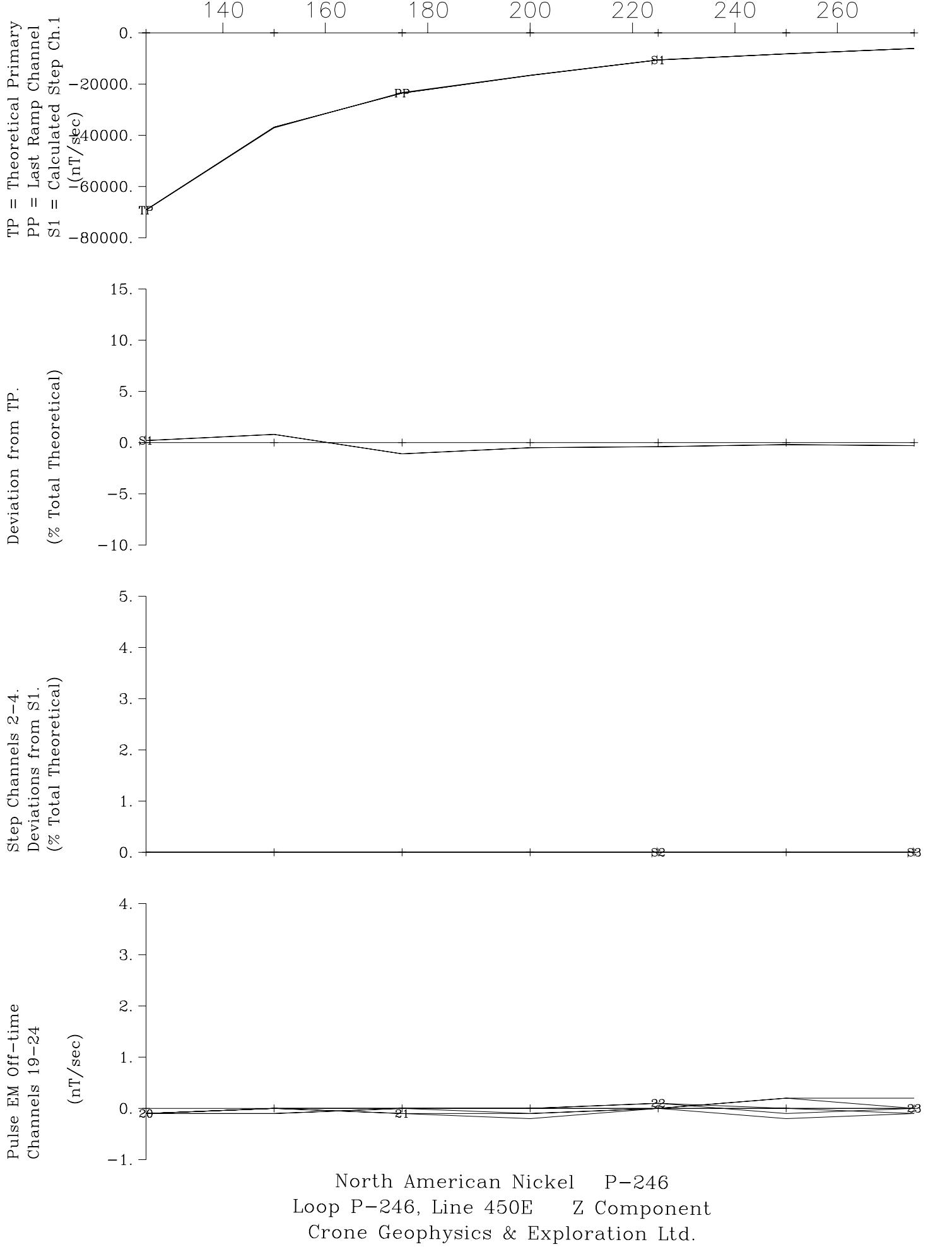


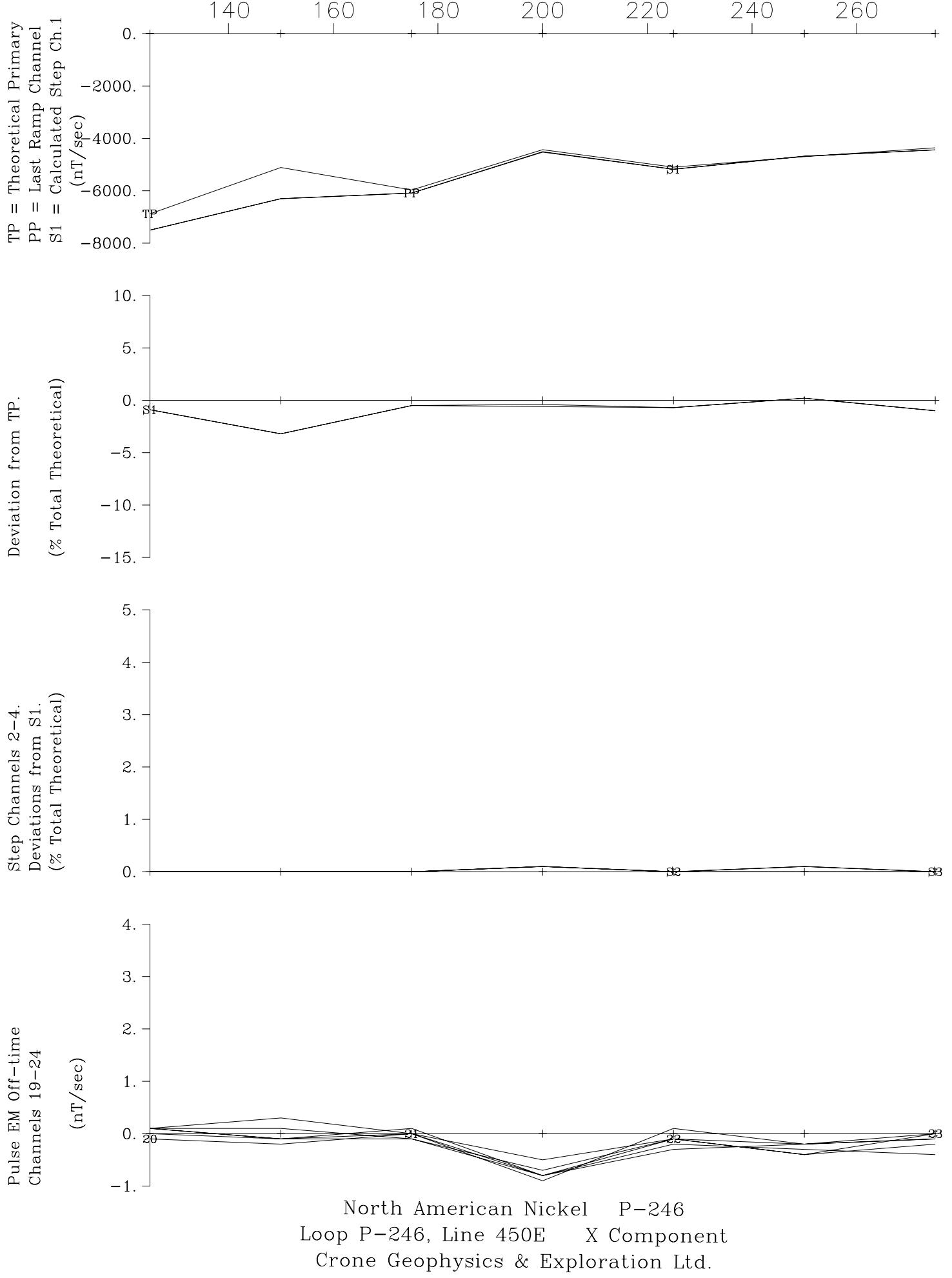




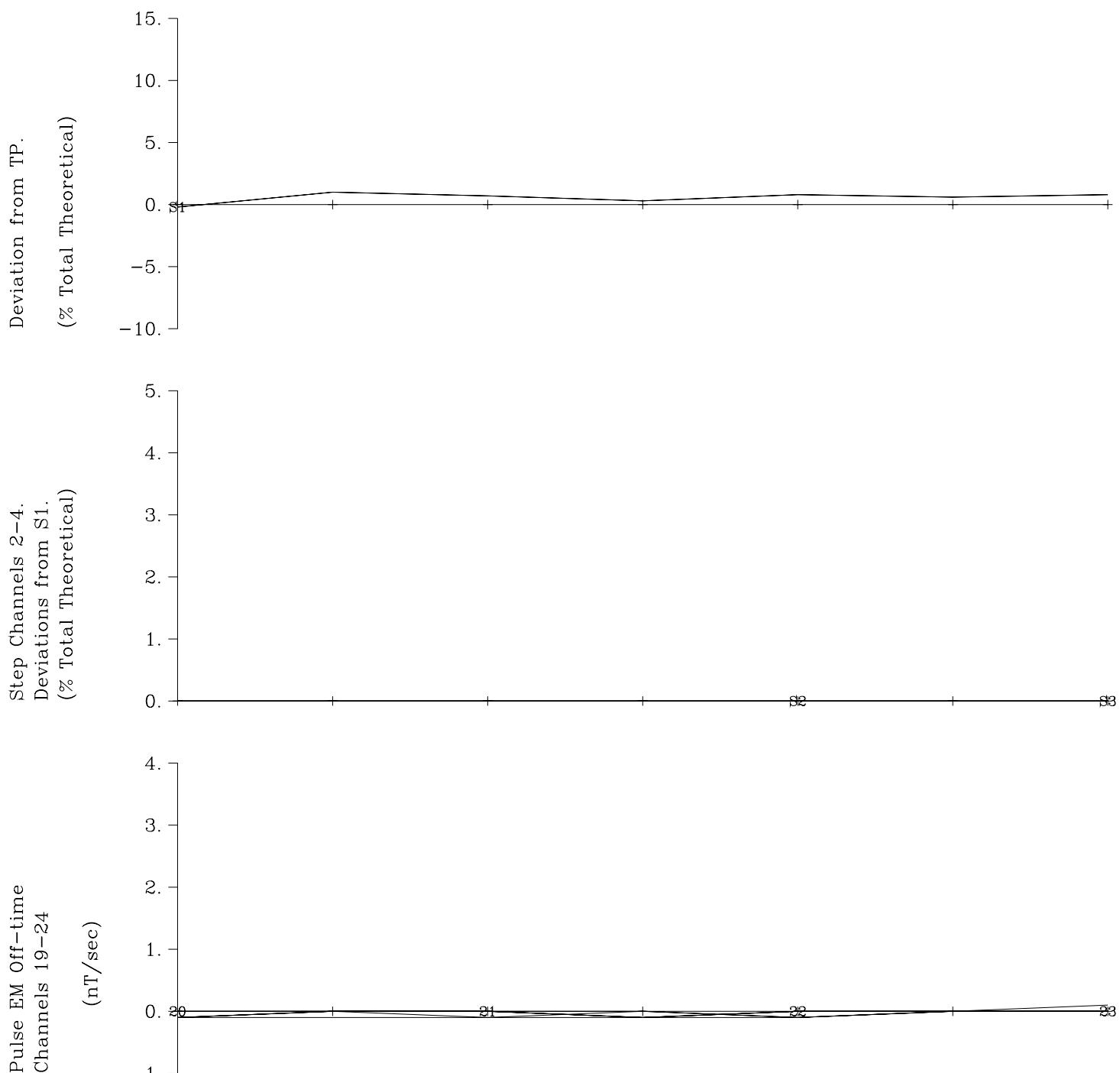








TP = Theoretical Primary
PP = Last Ramp Channel
S1 = Calculated Step Ch.1



North American Nickel P-246
Loop P-246, Line 500E Z Component
Crone Geophysics & Exploration Ltd.

