MAR 19990024: GOLDEN

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19990024
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ASSESSMENT REPORT

GOLDEN BLOCK

NEW CLAYMORE RESOURCES LTD.
METALLIC AND INDUSTRIAL MINERAL PERMITS
9397050016 to 9397050041, 9397050115 to 9397050153,
9397090001 to 9397090025, 9397100343 to 9397100390
NORTHERN ALBERTA

Geographic Co-ordinates
57° 07' 00" to 58° 21' 00" N
114° 00' 00" to 116° 40' 00" W

NTS Map Areas
84 F/9, F/10, F/15, F/16; 84 G/1, G/7 to G16;
84 J/1 to J/8; 84 K/1, K/2, K/7, K/8

New Claymore Resources Ltd.
11003 - 84 Avenue
Edmonton, Alberta T6G 0V6

September, 1999

T. Faragher
B. Ryziuk

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SUMMARY

New Claymore Resources Ltd. Golden Block is centered about 120 km southeast of the Town of High Level in northern Alberta and is comprised of 138 Metallic and Industrial Mineral permits which encompass an area of 1,258,592 hectares (503,437 acres). The 138 permits have been grouped into 16 prospect areas to facilitate exploration activities; the prospect areas include the Brunnhilde, Burnt River, Elektra, Fricka, Horseshoe, ITS, Nabucco, Pagliacci, Panny River, Rusalka, Salome, Scarpia, Siegfried, Tosca, Vermilion, and Wotan prospects.

The Precambrian basement underlying prospects of the Golden Block is interpreted as belonging to the lower Proterozoic Buffalo Head Terrane. Bedrock geology on the prospects consists of lower Cretaceous Loon River Formation marine shale overlain by upper Cretaceous Shaftesbury Formation marine shale, feldspathic sandstone of the Dunvegan Formation, and marine shale of the Smoky Group. Glacial till, muskeg, and farmland cover the prospects and glacial drift thickness exceeds 120 m depth within the Fort Vermilion lowlands and Peace River and Wabasca River valleys. Approximately 60 km south of the Golden Block, 32 diamond bearing kimberlite intrusives sourced from below the Buffalo Head Terrane intrude through a thick sequence of Phanerozoic sediments including the Shaftesbury Formation, Dunvegan Formation, and Smoky Group. In addition, 7 kimberlites have also been discovered approximately 30 km east of the Golden Block.

During June, 1997, High-Sense Geophysics Ltd. was contracted to fly a high resolution aeromagnetic geophysical survey over the Burnt River, Elektra, Fricka, Horseshoe, ITS, Panny River, Scarpia, and Vermilion prospects; in total 39,089 line kilometers of data were collected. During May, 1998, Geoterrex-Dighem flew a 3,739 line-km airborne magnetic and GEOTEM electromagnetic multicoil survey over the central portion of the Elektra, ITS, and Tosca prospects which covered the northern portion of the Buffalo Head Hills and the scarp which descends onto the Fort Vermilion lowlands. Interpretation of the airborne data by Geophysical Exploration & Development Corporation, geophysical consultant Mr. William Pelton, and a study of satellite imagery and digital elevation models by Resource GIS and Imaging Ltd. aided in identifying and correlating magnetic and electromagnetic anomalies with topographic features and regional structure; in total 165 positive magnetic and electromagnetic resistive anomalies were identified which may be representative of kimberlitic diatremes. During November, 1999, Terraquest Ltd. completed a 5,859 line-km high resolution airborne magnetic survey over the Rusalka prospect. Interpretation of the airborne data by Intrepid Geophysics Ltd. identified 6 positive magnetic anomalies which may be representative of kimberlitic diatremes.

In conjunction with the airborne geophysical surveys, ground geophysical surveys including magnetometer, horizontal loop electromagnetic, and induced polarization were completed over 33 airborne anomalies selected because of their magnetic and electromagnetic

signatures, proximity to interpreted regional geologic structures, and positive topographic expressions. In total, 201.5 line-km of ground magnetometer and 17.6 line-km of electromagnetic surveying was completed. Based on an evaluation of the geophysical data, 937.25 m of diamond drilling was completed in 9 drill holes on 8 geophysical anomalies.

Although initial results of the drilling and subsequent geochemical analysis and diamond indicator mineral sampling of the drill core did not identify any kimberlitic intrusives or material of ultramafic affinity, the presence of a basement terrane known to host diamondiferous kimberlite intrusives, the existence of 138 untested airborne magnetic anomalies, and a large area unsurveyed by airborne magnetics on the Golden Block indicate that further exploration is warranted and recommended. Future exploration on the Golden Block to evaluate for the presence of kimberlitic intrusives should include:

a) airborne magnetic surveys over untested prospects;

b) acquisition of brokered seismic data over individual anomalies;

c) diamond indicator mineral till sampling over and along east-west oriented fences located down-ice from individual anomalies;

d) electron microprobe quantitative analysis of diamond indicator mineral grains and comparison to kimberlite and diamond inclusion mineral chemistry;

e) soil and/or loam sampling over and/or down-ice from individual anomalies utilizing enzyme leach geochemical analysis for elements including nickel, chromium, niobium, cesium, titanium, strontium, and magnesium. Enzyme leach analysis provides geochemical signatures for anomalies in complex glacial sequences and thick accumulations of overburden;

f) deep penetrating electromagnetic airborne surveys over areas of anomalous targets;

g) ground magnetic geophysical surveys over any anomalous targets; and

h) drill testing of select anomalies to a depth adequate to explain the geophysical target.

INTRODUCTION

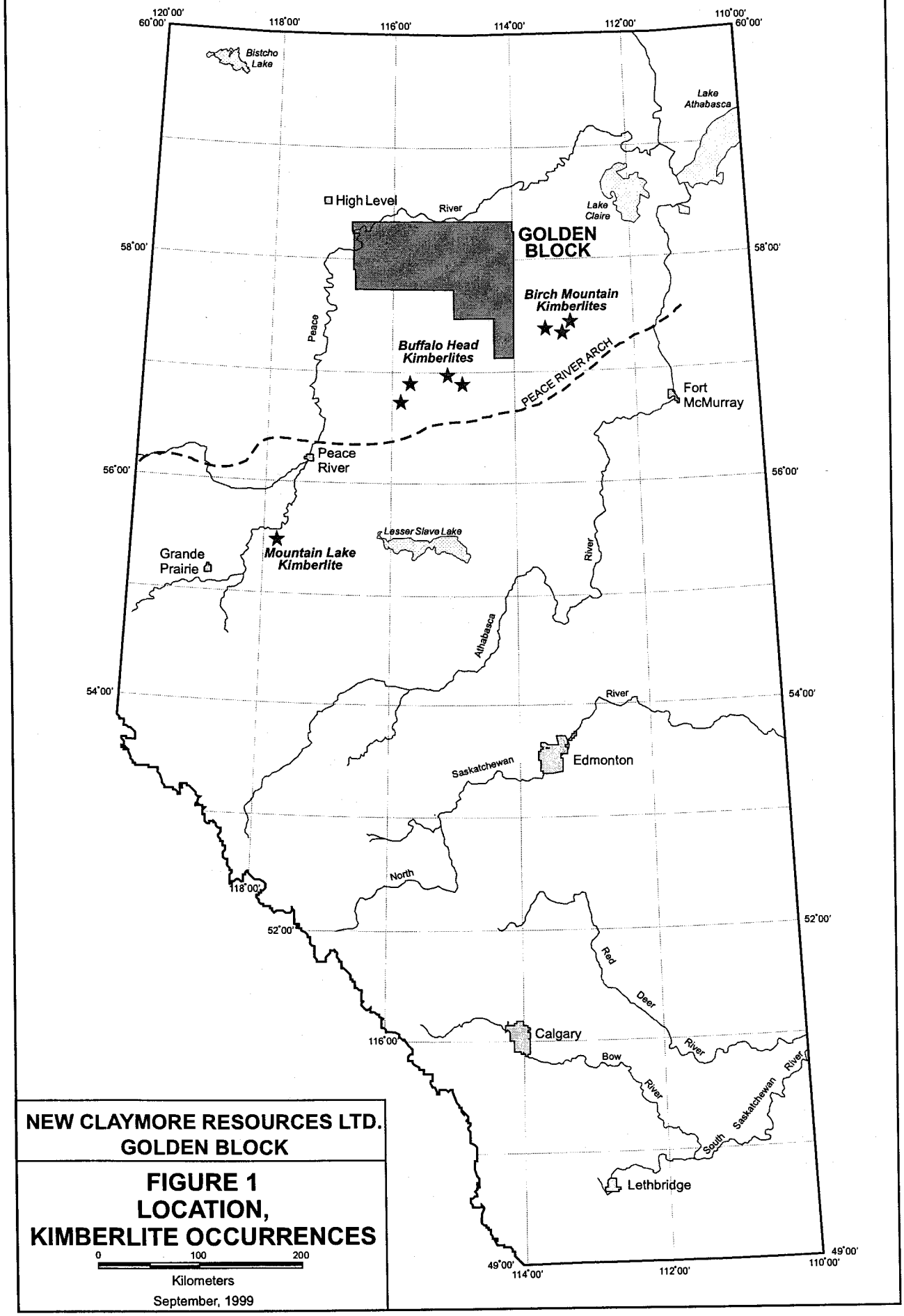
Location, Prospect Description

The Golden Block consists of 138 contiguous Metallic and Industrial Mineral (MAIM) permits located in northern Alberta which cover an area of 1,258,592 hectares (503,437 acres). The Golden Block extends from about 57° 07' 00" to 58° 21' 00" north latitude and 114° 00' 00" to 116° 40' 00" west longitude, is centered about 540 km northwest of the City of Edmonton and about 120 km southeast of the Town of High Level (Figure 1). The permits, 9397050016 to 9397050041, 9397050115 to 9397050153, 9397090001 to 9397090025, and 9397100343 to 9397100390 are registered in the name of New Claymore Resources Ltd. (New Claymore); their status and location are given in Table 1 and Figure 2 respectively. The 138 permits have been grouped into 16 prospect areas to facilitate exploration activity; the prospect areas include the Brunnhilde, Burnt River, Elektra, Fricka, Horseshoe, ITS, Nabucco, Pagliacci, Panny River, Rusalka, Salome, Scarpia, Siegfried, Tosca, Vermilion, and Wotan prospects (Figure 3).

Access, Infrastructure, Physiography

Road access to prospects within the central and eastern portion of the Golden Block is via graveled primary Highway 88 then along all weather gravel roads and oil and gas service and logging roads. Prospects within the western portion of the Golden Block are accessible via paved Highways 58 and 697 then along all weather rural gravel roads laid out on a 1 mile section grid. Access to remote parts of the prospects is via all terrain vehicle and/or snowmachine along seismic lines, logging trails, and pipeline right-of-ways. Infrastructure in the area is centered around the Towns of High Level, Fort Vermilion, and Red Earth Creek which provide accommodation, food, supplies, vehicles, aircraft, and fuel.

Regional physiography of the area is characterized by flat lying to gently rolling topography with elevations ranging between 275 m above sea level (a.s.l.) along the Peace River valley near Fort Vermilion to in excess of 850 m a.s.l. within the Buffalo Head Hills which flank the Peace River valley to the south. Elevations change by 300 to 400 m over a distance of several kilometers along the northern and eastern edges of the Buffalo Head Hills where the uplands descend to the Peace River and Wabasca River valleys which exist within the Fort Vermilion lowlands. Vegetation within the central and eastern portions of the Golden Block is dominated by stands of spruce and poplar with interspersed pine and birch trees; the northern and western portions are dominated by lands cleared for agricultural use. Lakes, peat bogs, and black spruce covered muskeg exist in low lying areas.



NEW CLAYMORE RESOURCES LTD.
GOLDEN BLOCK

FIGURE 1
LOCATION, KIMBERLITE OCCURRENCES

0 100 200
Kilometers

September, 1999

TABLE 1
MAIM PERMIT DESCRIPTION

PERMIT NUMBER	COMMENCEMENT OF PERMIT TERM	LEGAL DESCRIPTION OF LANDS	AREA OF OPTION (hectares)
9397050016	May 21, 1997	5-1-094: 1-36	9,216
9397050017	May 21, 1997	5-2-094: 1-36	9,216
9397050018	May 21, 1997	5-1-095: 1-36	9,216
9397050019	May 21, 1997	5-2-095: 1-36	9,216
9397050020	May 21, 1997	5-1-096: 1-36	9,216
9397050021	May 21, 1997	5-2-096: 1-36	9,216
9397050022	May 21, 1997	5-1-097: 1-36	9,216
9397050023	May 21, 1997	5-2-097: 1-36	9,216
9397050024	May 21, 1997	5-1-098: 1-36	9,216
9397050025	May 21, 1997	5-2-098: 1-36	9,216
9397050026	May 21, 1997	5-3-098: 1-36	9,216
9397050027	May 21, 1997	5-4-098: 1-36	9,216
9397050028	May 21, 1997	5-5-098: 1-36	9,216
9397050029	May 21, 1997	5-6-098: 1-36	9,216
9397050030	May 21, 1997	5-1-099: 1-36	9,216
9397050031	May 21, 1997	5-2-099: 1-36	9,216
9397050032	May 21, 1997	5-3-099: 1-36	9,216
9397050033	May 21, 1997	5-4-099: 1-36	9,216
9397050034	May 21, 1997	5-5-099: 1-36	9,216
9397050035	May 21, 1997	5-6-099: 1-36	9,216
9397050036	May 21, 1997	5-1-100: 1-36	9,216
9397050037	May 21, 1997	5-2-100: 1-36	9,216
9397050038	May 21, 1997	5-3-100: 1-36	9,216
9397050039	May 21, 1997	5-4-100: 1-36	9,216
9397050040	May 21, 1997	5-5-100: 1-36	9,216
9397050041	May 21, 1997	5-6-100: 1-36	9,216
9397050115	May 30, 1997	5-3-101: 1-36	9,216
9397050116	May 30, 1997	5-4-101: 1-36	9,216
9397050117	May 30, 1997	5-5-101: 1-36	9,216
9397050118	May 30, 1997	5-6-101: 1-36	9,216
9397050119	May 30, 1997	5-7-101: 1-36	9,216
9397050120	May 30, 1997	5-8-101: 1-36	9,216
9397050121	May 30, 1997	5-9-101: 1-36	9,216
9397050122	May 30, 1997	5-10-101: 1-10; 11E, WP; 12-36	9,167
9397050123	May 30, 1997	5-11-101: 1-36	8,960
9397050124	May 30, 1997	5-12-101: 1-36	9,216
9397050125	May 30, 1997	5-13-101: 1-36	9,216
9397050126	May 30, 1997	5-14-101: 1-36	9,216
9397050127	May 30, 1997	5-15-101: 1-36	9,216
9397050128	May 30, 1997	5-16-101: 1-36	9,216
9397050129	May 30, 1997	5-4-102: 1-36	9,216
9397050130	May 30, 1997	5-5-102: 1-36	9,216
9397050131	May 30, 1997	5-6-102: 1-36	9,216
9397050132	May 30, 1997	5-7-102: 1-36	9,216
9397050133	May 30, 1997	5-8-102: 1-36	9,216
9397050134	May 30, 1997	5-9-102: 1-22; 23S, NE; 24; 25; 26E, L11, L13P, L14P; 34SEP; 35SP; 36	6,926

TABLE 1 (continued)
MAIM PERMIT DESCRIPTION

PERMIT NUMBER	COMMENCEMENT OF PERMIT TERM	LEGAL DESCRIPTION OF LANDS	AREA OF OPTION (hectares)
9397050135	May 30, 1997	5-10-102: 1-36	9,216
9397050136	May 30, 1997	5-11-102: 1-36	9,216
9397050137	May 30, 1997	5-12-102: 1-36	9,216
9397050138	May 30, 1997	5-13-102: 1-36	9,216
9397050139	May 30, 1997	5-14-102: 1-36	9,216
9397050140	May 30, 1997	5-15-102: 1-36	9,216
9397050141	May 30, 1997	5-16-102: 1-36	9,216
9397050142	May 30, 1997	5-5-103: 1-36	9,216
9397050143	May 30, 1997	5-6-103: 1-36	9,216
9397050144	May 30, 1997	5-7-103: 1-36	9,216
9397050145	May 30, 1997	5-8-103: 1-36	9,216
9397050146	May 30, 1997	5-9-103: 1NP, SEP; 6W; 7; 8W; 12-15; 16N, L5-L8; 17N, SW, L7, L8; 18-36	6,946
9397050147	May 30, 1997	5-10-103: 1-36	9,216
9397050148	May 30, 1997	5-11-103: 1-36	9,216
9397050149	May 30, 1997	5-12-103: 1-36	9,216
9397050150	May 30, 1997	5-13-103: 1-36	9,216
9397050151	May 30, 1997	5-14-103: 1-36	9,216
9397050152	May 30, 1997	5-15-103: 1-36	9,216
9397050153	May 30, 1997	5-16-103: 1-36	9,216
9397090001	September 16, 1997	5-1-101: 1-36	9,216
9397090002	September 16, 1997	5-2-101: 1-36	9,216
9397090003	September 16, 1997	5-1-102: 1-36	9,216
9397090004	September 16, 1997	5-2-102: 1-36	9,216
9397090005	September 16, 1997	5-3-102: 1-36	9,216
9397090006	September 16, 1997	5-1-103: 1-36	9,216
9397090007	September 16, 1997	5-2-103: 1-36	9,216
9397090008	September 16, 1997	5-3-103: 1-36	9,216
9397090009	September 16, 1997	5-4-103: 1-36	9,216
9397090010	September 16, 1997	5-1-104: 1-36	9,216
9397090011	September 16, 1997	5-2-104: 1-36	9,216
9397090012	September 16, 1997	5-3-104: 1-36	9,216
9397090013	September 16, 1997	5-4-104: 1-36	9,216
9397090014	September 16, 1997	5-5-104: 1-36	9,216
9397090015	September 16, 1997	5-6-104: 1-36	9,216
9397090016	September 16, 1997	5-7-104: 1-36	9,216
9397090017	September 16, 1997	5-8-104: 1-36	9,216
9397090018	September 16, 1997	5-9-104: 1-36	9,216
9397090019	September 16, 1997	5-10-104: 1-6; 7S, NW; 8SW; 10E; 11-14; 15N, SE; 18W; 19W; 22-27; 30W; 34-36	5,824
9397090020	September 16, 1997	5-11-104: 1-36	9,216
9397090021	September 16, 1997	5-12-104: 1-36	9,216
9397090022	September 16, 1997	5-13-104: 1-36	9,216
9397090023	September 16, 1997	5-14-104: 1-36	9,216
9397090024	September 16, 1997	5-15-104: 1-36	9,216
9397090025	September 16, 1997	5-16-104: 1-36	9,216
9397100343	October 22, 1997	5-1-105: 1-36	9,216
9397100344	October 22, 1997	5-2-105: 1-36	9,216
9397100345	October 22, 1997	5-3-105: 1-36	9,216

TABLE 1 (continued)
MAIM PERMIT DESCRIPTION

PERMIT NUMBER	COMMENCEMENT OF PERMIT TERM	LEGAL DESCRIPTION OF LANDS	AREA OF OPTION (hectares)
9397100346	October 22, 1997	5-4-105: 1-36	9,216
9397100347	October 22, 1997	5-5-105: 1-36	9,216
9397100348	October 22, 1997	5-6-105: 1-36	9,216
9397100349	October 22, 1997	5-7-105: 1-36	9,216
9397100350	October 22, 1997	5-8-105: 1-36	9,216
9397100351	October 22, 1997	5-9-105: 1-36	9,216
9397100352	October 22, 1997	5-10-105: 1-3; 10-16; 17N; 18N; 19-36	7,424
9397100353	October 22, 1997	5-11-105: 1-11; 12S, NW; 13N, SW; 14-36	9,088
9397100354	October 22, 1997	5-12-105: 1-36	9,216
9397100355	October 22, 1997	5-13-105: 1-36	9,216
9397100356	October 22, 1997	5-14-105: 1-36	9,216
9397100357	October 22, 1997	5-15-105: 1-36	9,216
9397100358	October 22, 1997	5-16-105: 1-22; 23N, SE, SWP; 24-36	9,164
9397100359	October 22, 1997	5-1-106: 1-36	9,216
9397100360	October 22, 1997	5-2-106: 1-5; 10S; 11S; 12; 13; 15N, SEP; 16N; 17N, SW; 18-36	7,393
9397100361	October 22, 1997	5-3-106: 3-10; 11N; 12N; 13-36	8,448
9397100362	October 22, 1997	5-4-106: 1-36	9,216
9397100363	October 22, 1997	5-5-106: 1-36	9,216
9397100364	October 22, 1997	5-6-106: 1-36	9,216
9397100365	October 22, 1997	5-7-106: 1-36	9,216
9397100366	October 22, 1997	5-8-106: 1-36	9,216
9397100367	October 22, 1997	5-9-106: 1-36	9,216
9397100368	October 22, 1997	5-10-106: 1-36	9,216
9397100369	October 22, 1997	5-11-106: 1-36	9,216
9397100370	October 22, 1997	5-12-106: 1-36	9,216
9397100371	October 22, 1997	5-13-106: 1-36	9,216
9397100372	October 22, 1997	5-14-106: 1-36	9,216
9397100373	October 22, 1997	5-15-106: 1-36	9,216
9397100374	October 22, 1997	5-16-106: 1-36	9,216
9397100375	October 22, 1997	5-1-107: 1-36	9,216
9397100376	October 22, 1997	5-2-107: 1-36	9,216
9397100377	October 22, 1997	5-3-107: 1-36	9,216
9397100378	October 22, 1997	5-4-107: 1-36	9,216
9397100379	October 22, 1997	5-5-107: 1-36	9,216
9397100380	October 22, 1997	5-6-107: 1-36	9,216
9397100381	October 22, 1997	5-7-107: 1-36	9,216
9397100382	October 22, 1997	5-8-107: 1-36	9,216
9397100383	October 22, 1997	5-9-107: 1-36	9,216
9397100384	October 22, 1997	5-10-107: 1-36	9,216
9397100385	October 22, 1997	5-11-107: 1-36	9,216
9397100386	October 22, 1997	5-12-107: 1-36	9,216
9397100387	October 22, 1997	5-13-107: 1-36	9,216
9397100388	October 22, 1997	5-14-107: 1-32; 33S, NW, NEP; 34-36	9,186
9397100389	October 22, 1997	5-15-107: 1-4; 5SP; 6S, NW, NEP; 7-36	9,021
9397100390	October 22, 1997	5-16-107: 1-26; 27S, L12, L13, L14P, L15; 28-33; 34N, L3P, L4-L6; 35N, SE, L3, L6; 36	9,045
		TOTAL	1,258,592

T.107
T.106
T.105
T.104
T.103
T.102
T.101
T.100
T.99
T.98
T.97

R.19 R.18 R.17 R.16 R.15 R.14 R.13 R.12 R.11 R.10 R.9 R.8 R.7 R.6 R.5 R.4 R.3W5

PEACE RIVER

697

88

WABASCA RIVER

9397100390 9397100389 9397100388 9397100387 9397100386 9397100385 9397100384 9397100383 9397100382 9397100381 9397100380 9397100379 9397100378 9397100377 9397100376 9397100375

9397100374 9397100373 9397100372 9397100371 9397100370 9397100369 9397100368 9397100367 9397100366 9397100365 9397100364 9397100363 9397100362 9397100361 9397100360 9397100359

9397100358 9397100357 9397100356 9397100355 9397100354 9397100353 9397100352 9397100351 9397100350 9397100349 9397100348 9397100347 9397100346 9397100345 9397100344 9397100343

9397090025 9397090024 9397090023 9397090022 9397090021 9397090020 9397090019 9397090018 9397090017 9397090016 9397090015 9397090014 9397090013 9397090012 9397090011 9397090010

9397050153 9397050152 9397050151 9397050150 9397050149 9397050148 9397050147 9397050146 9397050145 9397050144 9397050143 9397050142 9397090009 9397090008 9397090007 9397090006

9397050141 9397050140 9397050139 9397050138 9397050137 9397050136 9397050135 9397050134 9397050133 9397050132 9397050131 9397050130 9397050129 9397090005 9397090004 9397090003

9397050128 9397050127 9397050126 9397050125 9397050124 9397050123 9397050122 9397050121 9397050120 9397050119 9397050118 9397050117 9397050116 9397050115 9397090002 9397090001

9397050041 9397050040 9397050039 9397050038 9397050037 9397050036

9397050035 9397050034 9397050033 9397050032 9397050031 9397050030

9397050029 9397050028 9397050027 9397050026 9397050025 9397050024

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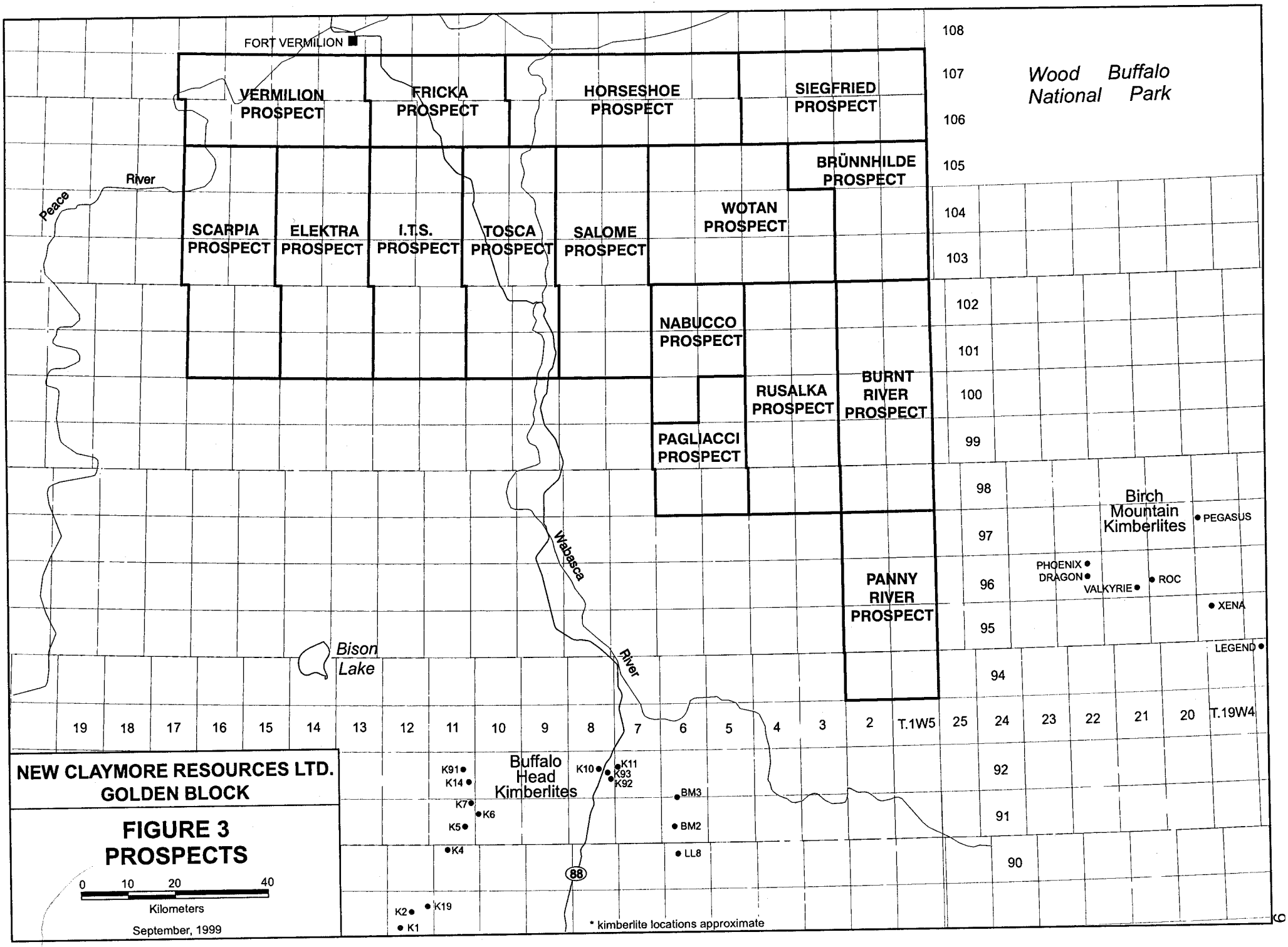
9397050017 9397050016

NEW CLAYMORE RESOURCES LTD.
GOLDEN BLOCK

FIGURE 2
MAIM PERMITS

0 5 10 20
Kilometers

September, 1999


FORT VERMILION
VERMILION PROSPECT
FRICKA PROSPECT
HORSESHOE PROSPECT
SIEGFRIED PROSPECT
BRÜNNHILDE PROSPECT
WOTAN PROSPECT
SCARPIA PROSPECT
ELEKTRA PROSPECT
I.T.S. PROSPECT
TOSCA PROSPECT
SALOME PROSPECT
NABUCCO PROSPECT
PAGLIACCI PROSPECT
RUSALKA PROSPECT
BURNT RIVER PROSPECT
PANNY RIVER PROSPECT
Wood Buffalo National Park
Peace River
Wabasca River
Bison Lake
Birch Mountain Kimberlites
PEGASUS
PHOENIX
DRAGON
VALKYRIE
ROC
XENA
LEGEND
Buffalo Head Kimberlites
K91
K14
K7
K6
K5
K4
K10
K11
K93
K92
BM3
BM2
LL8
K2
K19
K1
88
108
107
106
105
104
103
102
101
100
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T.19W4
NEW CLAYMORE RESOURCES LTD.
GOLDEN BLOCK
FIGURE 3
PROSPECTS
0 10 20 40
Kilometers
September, 1999
* kimberlite locations approximate

Previous Exploration

Reconnaissance diamond indicator mineral sampling has been conducted in the region of the Golden Block by the Alberta Geologic Survey (AGS). Information made public by the AGS describe the discovery of several diamond indicator mineral grains including eclogitic garnets, chrome diopsides, and chromites in glacial till samples. AGS till sample #355 collected along the southern boundary of the Tosca prospect yielded 4 eclogitic garnets which plot within the diamond inclusion field for Ternary of MgO vs total Fe vs CaO. AGS till sample #476 collected within the Wotan prospect yielded 1 eclogitic garnet and 1 chrome diopside while sample #297 collected within the ITS prospect yielded 1 chromite. Other AGS till samples were collected in the vicinity and in a down-ice direction from the Golden Block and indicator grains recovered could be indicative of diamondiferous kimberlites existing within an area known as the Wabasca River Trend (Dufresne et al., 1996). The Golden Block exists along the northern portion of the Wabasca River Trend.

Ashton Mining of Canada Inc. in partnership with Alberta Energy Company Ltd. and Pure Gold Minerals Inc. have identified 32 kimberlite intrusives within the Buffalo Head Hills of northern Alberta (Figure 3). The diamond bearing kimberlites are located about 60 km southwest of the Pagliacci prospect, intrude through the Buffalo Head basement terrane, and occur within the upper Cretaceous aged Shaftesbury Formation, Dunvegan Formation, and Smoky Group sedimentary package. The kimberlites were discovered utilizing high resolution aeromagnetics (HRAM) and subsequently confirmed by diamond indicator mineral sampling, ground geophysics, and drilling.

About 30 km east of the Panny River prospect, Kennecott Canada Exploration Inc. in joint venture with Montello Resources Ltd. and Redwood Resources Ltd. have identified 7 kimberlite intrusives within the Birch Mountains of northeastern Alberta (Figure 3). The intrusives appear to be sourced from beneath the Taltson Arc and emplaced within upper Cretaceous Smoky Group marine shales; the Taltson is a magmatic belt of strained plutonic and metasedimentary rocks of Proterozoic (2.0-1.8 Ga) age (Ross et al., 1991).

REGIONAL GEOLOGY

Basement and Prospect Geology

The Golden Block lies near the western edge of the Western Canada Sedimentary basin and is situated near the axis of the northeast trending Peace River Arch (Figure 1). The crystalline basement underlying the Golden Block prospects belongs to the lower Proterozoic (2.0 to 2.4 Ga) Buffalo Head Terrane. The Buffalo Head Terrane is a magmatic belt composed predominately of felsic to intermediate metaplutonic rocks with subordinate metavolcanic rocks which were accreted approximately 2.0 billion years ago. Due to its age, thickness, and

relatively stable history since accretion, the Buffalo Head Terrane is currently the focus of extensive diamond exploration in northern Alberta.

Hydrocarbon exploration wells in the area of the Golden Block indicate the top of the Precambrian basement to be about 1,300 to 1,500 m below surface. Overlying the basement rocks, a thick sequence of Phanerozoic strata exists (Table 2). Regional mapping by Green et al. (1970) shows the bedrock geology on the prospects of the Golden Block to consist dominantly of lower Cretaceous marine shale and siltstone of the Loon River Formation overlain by upper Cretaceous sediments including marine fish-scale bearing units and bentonites of the Shaftesbury Formation, deltaic to marine sandstones of the Dunvegan Formation, and marine shales of the Smoky Group (Figure 4).

TABLE 2
REGIONAL STRATIGRAPHY

Age	Name	Description
Quaternary	Laurentide Drift	unconsolidated glacial drift
Cretaceous	Smoky Group	marine shale
	Dunvegan Formation	deltaic to marine sandstone
	Shaftesbury Formation	marine shale
	Peace River Formation	shoreline sandstone, marine shale
	Loon River Formation	marine shale
	Bluesky Formation	shallow marine shale, siltstone, sandstone
	Gething Formation	continental shale, siltstone, sandstone
	Cadomin Formation	alluvial fan conglomerate, coarse sandstone
Mississippian	Banff Formation	marine limestone
	Exshaw Formation	marine limestone
Devonian	Wabamun Group	marine limestone, evaporites
	Winterburn Group	marine carbonates, siliclastics
	Ireton Formation	marine shale
	Beaverhill Lake Group	marine limestone
	Watt Mountain Formation	marginal marine shale, limestone
	Muskeg Formation	supratidal evaporites
	Keg River Formation	shallow marine limestone
	Granite Wash	
Precambrian		crystalline basement

Glacial deposits on the Golden Block are widespread and bedrock exposure sparse; outcrop is generally restricted to banks of incised river valleys and along the scarp and slumping features which form the northern and eastern edges of the Buffalo Head Hills. Drift material is predominately till in the form of ground moraine and sand and gravel deposits. Glacial fluting within the Golden Block indicate Laurentide ice movement was dominantly from the northeast to southwest. Drift thickness is highly variable but appears relatively shallow over the northern part of the Buffalo Head Hills and increases to a thickness in excess of 120 m within the Fort Vermilion lowlands and Peace River and Wabasca River valleys.

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T.97
R.19 R.18 R.17 R.16 R.15 R.14 R.13 R.12 R.11 R.10 R.9 R.8 R.7 R.6 R.5 R.4 R.3 R.2 R.1W5 R.25 R.24
PEACE RIVER
WABASCA RIVER
697
88
Lr
Dv
SG
Sh

NEW CLAYMORE RESOURCES LTD.
GOLDEN BLOCK

FIGURE 4
GEOLOGY, SELECT AIRBORNE GEOPHYSICAL ANOMALIES

0 5 10 20
Kilometers
September, 1999

SYMBOLS

★ Airborne magnetic / electromagnetic geophysical anomaly

— Golden Block boundary

LEGEND

SG Smoky Group marine shale

Dv Dunvegan Formation deltaic to marine sandstone

Sh Shaftesbury Formation marine shale

Lr Loon River Formation marine shale

Structural Geology

The Golden Block is located near the axis of the northeast trending Peace River Arch, a tectonic zone where the crystalline basement is up to 800 m to 1,000 m above the regional basement elevation (Ross et al., 1991). The Peace River Arch has undergone periodic uplift and subsidence from the late Proterozoic until at least the late Cretaceous which has generated a zone of structural disturbance up to 140 km wide. This pattern of uplift and subsidence has imposed a structural control on the deposition of the Phanerozoic strata and caused a reticular pattern of basement faults which may not only be responsible for structurally controlled oil and gas pools, but may have provided potential pathways for deep-seated intrusive magmas.

During the mid Cretaceous to early Tertiary, compressive forces associated with the orogenic event which led to the formation of the Rocky Mountains caused the Peace River Arch to be emergent and caused the reactivation of many prominent basement faults; the Buffalo Head Hills kimberlites are believed to have been emplaced during the mid- to upper Cretaceous time period. As with the Buffalo Head kimberlites, the Golden Block is situated near the axis of the Peace River Arch and the prospects are underlain by several northwest and northeast trending basement faults noticeable on satellite imagery. Several prospective shallow source aeromagnetic anomalies exist in close proximity to linear topographic features which may be the surface expression of deep seated tectonic structures affecting the overlying sedimentary strata.

EXPLORATION

Airborne Geophysical Surveys

High-Sense Geophysics Limited (High-Sense) of Toronto, Ontario was contracted by New Claymore to fly a HRAM survey over the Burnt River, Elektra, Fricka, Horseshoe, ITS, Panny River, Scarpia, and Vermilion prospects of the Golden Block in June, 1997. The fixed wing survey totaled 39,089 line-km's, was drape flown at 80 m terrain clearance along north-south trending traverse lines spaced at 200 m intervals. The total field magnetic data collected was leveled, processed, and edited for cultural noise by High-Sense and subsequently reviewed by the Geophysical Exploration & Development Corporation (GEDCO). Total magnetic field contour and flight line data was examined for discrete geophysical anomalies of limited areal extent (< 1 km) and on the basis of magnetic intensity, size, shape, interpreted depth, and relation to present day or paleodrainage, 108 positive magnetic geophysical targets were identified which possess characteristics of possible intrusive origin (Table 3, Figure 4). Contoured total field magnetic intensity maps for the High-Sense data for the Burnt River, Elektra, Fricka, Horseshoe, ITS, Panny River, Scarpia, and Vermilion prospects (Drawing 01 to Drawing 08) are contained in map pockets at the end of the report.

During May, 1998, Geoterrex-Dighem (Geoterrex) of Ottawa, Ontario was contracted by New Claymore to fly a low level airborne magnetic and deep penetrating electromagnetic multicoil survey (GEOTEM) over the central and southern portions of the Elektra, ITS, and Tosca prospects. The survey totaled 3,739 line-km's and provided high resolution magnetic and deep penetrating electromagnetic data. The fixed-wing survey was drape flown at 120 m terrain clearance along north-south traverse lines spaced at 200 m intervals. The towed magnetometer sensor height was 73 m above ground and the electromagnetic system receiver 70 m above ground. The data was compiled and processed by Geoterrex and subsequently reviewed by Mr. William Pelton of Phoenix Instruments Inc.

Prior to the Golden Block survey, an orientation GEOTEM survey totaling 1,026 line-km's was flown over an area known to contain several of the Buffalo Head kimberlites. The orientation survey detected 13 highly magnetic and strong localized resistive features known to be kimberlites and provided valuable information toward the interpretation of the Golden Block data. Geophysical consultant Mr. William Pelton was contracted to process and interpret the orientation and Golden Block GEOTEM survey data and prioritize any geophysical anomalies identified. After data leveling and processing, total magnetic field contour and flight line magnetic and electromagnetic profiles were examined for discrete geophysical anomalies of limited areal extent and on the basis of magnetic intensity, size, shape, electromagnetic signature, relation to present day or paleodrainage and interpreted regional geologic structures, 57 geophysical targets were identified which possesses characteristics of possible intrusive origin (Table 3, Appendix 8). Subsequently, a review of satellite imagery and digital elevation models by Resource GIS and Imaging Ltd. (RGI) aided in correlating the HRAM and GEOTEM anomalies with topographic features and regional structure. All of the airborne anomalies appear to be isolated and independent of any cultural features including paleochannels or eskers. The radar altimeter elevation, total magnetic field intensity, and X and Z channel resistivity profiles for the Elektra, ITS, and Tosca prospects are given in Appendix 8 and for the Buffalo Head kimberlites in Appendix 9.

During November, 1999, Terraquest Ltd. (Terraquest) of Toronto, Ontario was contracted by New Claymore to fly a HRAM survey over the Rusalka prospect. The fixed wing survey totaled 5,859 line-km's, was drape flown at 60 m terrain clearance along north-south trending traverse lines spaced at 200 m intervals. Interpretation of total magnetic intensity, magnetic vertical gradient, and analytic signal contour and image maps by Intrepid Geophysics Ltd. identified 6 positive magnetic geophysical anomalies of possible intrusive origin (Table 3, Figure 4). The contoured total field magnetic intensity map for the Terraquest data for the Rusalka prospect is contained in a map pocket at the end of the report (Drawing 09).

TABLE 3
SUMMARY OF AIRBORNE GEOPHYSICAL SURVEYS

Prospect	Survey Type	Survey Coverage (line kilometers)	Number of Airborne Magnetic Geophysical Anomalies (ranking)
Burnt River	HRAM	5,235	7 (III)
Elektra	HRAM / GEOTEM	5,070 / 1,029	3 (II); 12 (III); 7 (IV) / 4 (II); 6 (III); 11 (IV)
Fricka	HRAM	3,292	3 (III)
Horseshoe	HRAM	5,123	2 (III)
ITS	HRAM / GEOTEM	5,164 / 1,595	7 (II); 14 (III); 8 (IV) / 2 (II); 8 (III); 15 (IV)
Panny River	HRAM	4,181	15 (III)
Rusalka	HRAM	5,859	6 (III)
Scarpia	HRAM	4,910	3 (II); 14 (III); 3 (IV)
Tosca	GEOTEM	1,115	4 (II); 7 (III)
Vermilion	HRAM	3,547	7 (II); 2 (III); 1 (IV)

note: geophysical anomaly ranking (I) excellent to (IV) poor.

Ground Geophysical Surveys

Elektra Prospect

During May, 1998, 1 ground magnetometer geophysical survey was completed over a GEOTEM magnetic and electromagnetic anomaly on the Elektra prospect. The airborne target identified for ground follow-up has a sharp positive magnetic amplitude of 14 nT coincident with a weak resistive electromagnetic signature (Appendix 8, Elektra GEOTEM Survey, Line 316, Anomaly D3). In total, 6.2 line-km of grid lines were surveyed and 5.6 line-km of ground magnetometer surveying completed over the target by personnel in the employ of New Claymore. After a baseline was surveyed, grid cross-lines were established at 100 m intervals and on each cross line, stations were chained by topofil and marked at 25 m intervals. At 12.5 m stations along each cross-line, a magnetometer reading was collected using a GEM System GSM-19 integrated Overhauser effect proton precession magnetometer. The magnetic readings were corrected for terrestrial field magnetic variation using a stationary GSM-19 basestation. The corrected magnetometer data was gridded, contoured, and used to generate Figure 5 (Appendix 2). The ground expression of the airborne anomaly is an elliptical shaped, sharp 140 nT magnetic high about 90 m long x 50 m wide which exists within a flat magnetic background.

ITS Prospect

During March, 1998, ground magnetometer geophysical surveys were completed over 25 airborne geophysical targets on the ITS prospect. The airborne targets identified for ground follow-up were selected based on magnetic signature, proximity to interpreted geologic

structures, and positive topographic expression. In total, 173.8 line-km of ground magnetometer surveying was completed over 18 grid areas (ITS prospect Grids A through R) by personnel under contract to Lucero Resource Corp. (Lucero). After a baseline was surveyed on an individual grid, cross lines were established at 100 m intervals and on each cross line, stations were chained by topofil and marked at 10 m intervals. At 10 m stations along each cross line, a magnetometer reading was collected using an Omni IV proton precession magnetometer. The field magnetic readings were corrected for terrestrial field variation using a stationary base-station. The corrected magnetometer data was gridded, contoured, and used to generate Figure 6 to Figure 23 (Appendix 2). In general, the magnetic patterns for the 18 ground magnetic surveys correlate with the airborne signatures and provide sharpened definition and ground verification and placement of the airborne anomalies.

During March, 1998, SJ Geophysics Ltd. of Vancouver, B.C. was contracted to conduct ground based horizontal loop electromagnetic (HLEM), time domain induced polarization (IP), and maxmin sounding (MMS) surveys over grid areas B, C, D, E, J, K, M, and P on the ITS prospect (Drawing 05). The intention of the HLEM and IP surveys was to detect localized resistive features associated with magnetic anomalies and the MMS surveys were to aid in determining depth to bedrock. In total, 7.4 line-km of HLEM and 10.2 line-km of IP surveying was completed and 11 stations were depth sounded by MMS. The HLEM surveys were completed using a Max-Min I-10 system with a coil separation of 160 m and data gathered at 40 m stations along grid lines separated by 100 m intervals. The results are presented as resistivity colour contour and resistivity stack plots for ITS prospect grid areas D, K, M, and P on Figure 33, Figure 36C, Figure 37, and Figure 38 respectively (Appendix 3). The IP surveys were completed using a Phoenix IPT-1 transmitter and an Androtex TDR-6 receiver configured in pole-dipole and gradient arrays; frozen muskeg made ground contact difficult and the surveys could only be completed after as much as 2 feet of ice was penetrated. The IP survey results are presented as pseudosections for ITS prospect grid areas B, J, and K on Figure 31, Figure 35A and 35B, and Figure 36A and 36B and as resistivity colour contour plots for grids C and E on Figure 32 and Figure 34 (Appendix 3). The HLEM survey equipment was utilized in a MMS configuration using expanding coil separations of 12.5, 25, 50, 100, 150, and 200 m at 11 locations within grid areas on the ITS prospect. The MMS data exhibited only minor variation in resistivity with increasing depth and in general the MMS survey did not provide satisfactory results. A review of the ground geophysical magnetic, HLEM, and IP surveys for the ITS prospect is given in Table 4.

TABLE 4
SUMMARY OF ITS PROSPECT GROUND GEOPHYSICAL SURVEYS

GRID IDENTIFIER	LOCATION		ANOMALY DESCRIPTION		
	Easting	Northing	Diameter (m)	Amplitude (nT)	Comments
ITS Grid A	572000	6428500	n/a	n/a	a linear anomaly extending from a regional high
ITS Grid B	569000	6428000	40	75	a series of single line 'spot' anomalies on the edge of a regional high; 3 poorly defined near surface IP resistivity lows
ITS Grid C	568000	6426500	45	140	several strong circular to linear anomalies with sharp dipoles; relatively deep IP resistivity high exists in central part of grid
ITS Grid D	573000	6413500	n/a	n/a	a linear extending from a regional high; 1 weak HLEM resistivity high
ITS Grid E	565500	6415500	100	40	3 strong isolated circular to elliptical anomalies; 4 weak IP resistivity highs
ITS Grid F	567200	6411500	120	55	double peak elliptical anomaly part of linear feature
ITS Grid G	568000	6412800	40	10	weak anomaly on edge of regional high
ITS Grid H	574500	6413000	n/a	n/a	no anomaly visible along edge of regional high
ITS Grid I	575500	6421500	n/a	n/a	multiple small 'spot' anomalies on edge of regional high
ITS Grid J	572500	6421500	80	85	strong elliptical anomaly may be part of linear; near surface IP resistivity high related to overburden
ITS Grid K	571500	6422500	90	-35	several 'spot' anomalies surround strong magnetic low; 2 moderate isolated HLEM resistivity highs; 1 moderate near surface IP resistivity high in center of grid with limited depth extent
ITS Grid L	571000	6424200	30	25	single line to linear features on edge of regional high
ITS Grid M	574300	6428300	50	25	large elliptical and linear features on edge of regional high; no HLEM anomalies evident
ITS Grid N	574000	6432700	n/a	n/a	multiple 'spot' anomalies on edge of regional high
ITS Grid O	576500	6439500	n/a	n/a	multiple 'spot' anomalies on edge of regional high
ITS Grid P	566000	6435200	200	25	a broad magnetic high with a central dipole low; no HLEM anomalies evident
ITS Grid Q	571300	6429600	n/a	n/a	linear to 'spot' anomalies on edge of regional high
ITS Grid R	569500	6422000	n/a	n/a	no anomaly visible on edge of regional high

Panny River Prospect

During February, 1999, ground magnetometer geophysical surveys were completed over 7 airborne magnetic anomalies on the Panny River prospect. The airborne targets identified for ground follow-up were selected based on magnetic signature and proximity to interpreted geologic structure. In total, 25.3 line-km of grid lines were surveyed and 22.1 line-km of ground magnetometer surveying completed by personnel in the employ of New Claymore over the 7 grid areas (Panny River prospect Grid A through G). Gridding and ground magnetometer surveying procedures were as described for the Elektra prospect. Corrected magnetometer data collected was gridded, contoured, and used to generate Figure 24 to Figure 30 (Appendix 2). A review of the ground magnetic surveys for the Panny River prospect is given in Table 5.

TABLE 5
SUMMARY OF PANNY RIVER PROSPECT GROUND GEOPHYSICAL SURVEYS

GRID IDENTIFIER	LOCATION Easting	Northing	ANOMALY DESCRIPTION Diameter (m)	Amplitude (nT)	Comments
Panny River Grid A	667000	6347500	70	15	weak elliptical anomaly on edge of regional high
Panny River Grid B	670690	6341300	110	35	strong, isolated, elliptical anomaly
Panny River Grid C	666970	6337470	115	75	large, strong, linear anomaly composed of multiple magnetic highs
Panny River Grid D	668050	6335600	40	60	double peak elliptical anomaly surrounded by strong dipoles
Panny River Grid E	671780	6334960	80	25	4 small 'spot' anomalies creating larger circular anomaly
Panny River Grid F	661800	6337250	30	45	small, single line 'spot' anomaly within quiet magnetic background
Panny River Grid G	662390	6343620	n/a	n/a	linear anomaly associated with an esker on surface

Diamond Drilling

ITS Prospect

A total of 448.05 m of diamond drilling in 6 drill holes (ITS98-E4, ITS98-M, ITS98-M2a, ITS98-M2b, ITS98-N4, ITS98-W3) was completed on the ITS prospect during June, 1998. Diamond drilling was performed by J.T. Thomas Diamond Drilling Ltd. of Smithers, B.C. and the NQ core logged on site by personnel under contract to Lucero. Subsequently, the core was transported to the Mineral Core Research Facility in Edmonton and re-logged and sampled. All of the drill holes intersected bedrock which consisted of grey silty shale and mudstone of the Smoky Group. Although no kimberlitic material was intersected, 5 drill core samples were submitted for multi-element geochemical analysis. A summary of the drill hole data is provided in Table 6; drilling records and lithologic descriptions are provided in Appendix 4.

TABLE 6
ITS PROSPECT DIAMOND DRILL HOLE SUMMARY

DRILL HOLE IDENTIFIER	UTM COORDINATE Easting	Northing	GROUND GEOPHYSICAL GRID	AZIMUTH / INCLINATION	DEPTH TO BEDROCK (m)	DRILL HOLE DEPTH (m)
ITS98-E4	564790	6415500	ITS Grid E – west half	-90	54.86	106.68
ITS98-M	574155	6428470	ITS Grid M	160 / -50	51.82	88.39
ITS98-M2a	571750	6422500	ITS Grid K	180 / -70	60.96	97.54
ITS98-M2b	571750	6422500	ITS Grid K	-90	n/a	27.43
ITS98-N4	572510	6421490	ITS Grid J	-90	27.43	51.81
ITS98-W3	578000	6421410	airborne only	-90	45.72	76.20

448.

Panny River Prospect

A total of 489.20 m of diamond drilling in 3 drill holes (PR99-01, PR99-02, PR99-03) was completed on the Panny River prospect during February, 1999. Diamond drilling was performed by Layne Christensen Canada Limited of Calgary, Alberta and the 3" core logged on site. Subsequently, the core was transported to the Mineral Core Research Facility in Edmonton and sampled. Although excessive overburden depth and layers of gravel made drilling and core retrieval difficult, all of the drill holes intersected bedrock which consisted of grey silty shale of the Smoky Group. Although no kimberlitic material was intersected, 5 core samples were submitted for multi-element geochemical analysis, 3 drill core samples were submitted for diamond indicator mineral analysis, and 2 core samples were submitted for palynological analysis. A summary of the drill hole data is provided in Table 7; drilling records and lithologic descriptions are provided in Appendix 4.

TABLE 7
PANNY RIVER PROSPECT DIAMOND DRILL HOLE SUMMARY

DRILL HOLE IDENTIFIER	UTM COORDINATE		GROUND GEOPHYSICAL GRID	DRILL HOLE INCLINATION	DEPTH TO BEDROCK (m)	DRILL HOLE DEPTH (m)
	Easting	Northing				
PR99-01	670700	6341325	PR Grid B	-90	109.73	144.48
PR99-02	666995	6337440	PR Grid C	-90	128.93	169.77
PR99-03	666950	6347500	PR Grid A	-90	128.70	174.65

Drill Core Bedrock Sampling

Five drill core samples from the ITS prospect and 5 samples from the Panny River prospect core were collected and submitted for geochemical analysis to detect for any type of pathfinder elements, alteration, or economic mineralization. Intervals of drill core sampled were selected based on lithology and/or visible mineralization. For an individual sample, the drill core was split and one half of the drill core sent for analysis and the other half retained as a permanent record. Drill core samples were submitted to Activation Laboratories Ltd. of Ancaster, Ontario for analysis by INAA and total digestion ICP which provides analysis for Au + 48 elements; drill core lithologic and analytic data are given in Appendix 5.

Kimberlites and ultramafic related rocks have characteristic geochemical signatures elevated in certain elements including Mg, Nb, Cr, Ni, Ce, Nd, Zr, Co, P, Ti, La, Rb, Ba, and Sr. Geochemical analysis of the 10 drill core samples did not return analytical results elevated in ultramafic rock pathfinder elements nor did they yield anomalous values for precious or base metals.

Drill Core Diamond Indicator Mineral Sampling

Three drill core samples from the Panny River prospect were submitted to the Saskatchewan Research Council (SRC) in Saskatoon, Saskatchewan for diamond indicator mineral grain analysis. For an individual sample, enough till material was collected starting at the till / bedrock interface and sampling up-hole until a 20 litre pail was full. The composite till samples were comprised dominantly of clay with minor amounts of sand. Sample processing and preliminary mineral identification was performed by the SRC with analysis focused on the recovery of select mineral grains including pyrope and eclogite garnet, olivine, chrome diopside, chromite, and picroilmenite mineral grains. In total, 3 oxide mineral grains including 2 possible picroilmenites were recovered from sample PR99-01-T01 and 1 possible picroilmenite recovered from sample PR99-02-T01; results of selected diamond indicator mineral grains are given in Appendix 6. Electron microprobing is required to determine the quantitative major and trace element chemistry of the selected grains for accurate mineral identification and comparison to mineral compositions indicative of kimberlite and diamond inclusion chemistry.

Drill Core Palynological Analysis

Two drill core samples from the Panny River prospect were submitted to Manuka Palynologic Consulting of Calgary, Alberta for palynological analysis. The purpose of the analysis was to determine palynological age and the environment of deposition for the sedimentary rocks. Samples PR99-02-PAL01 and PR99-03-PAL01 were collected at 169.77 m depth from drill holes PR99-02 and PR99-03 and consisted of thinly laminated sandy grey shale containing broken white fossil shell fragments. Palynological assemblages of pollens were similar in both samples with conifer pollen of Alisporites bilateralis and A. grandis dominant. Other species present include various spores with lesser amounts of angiosperm pollen and dinoflagellate; vascular plant tissue and fusinite are abundant in both samples. The palynological assemblages indicate the sediments are late Albian in age and the presence of dinoflagellates point to a marine depositional environment, although their limited numbers and the abundance of pollen, spores, and vascular plant tissue which are of terrestrial origin indicate the sediments were deposited in a shallow nearshore estuarine to tidal environment. A complete palynological report is given in Appendix 7.

CONCLUSIONS AND RECOMMENDATIONS

Based upon a review of geologic and geophysical information available, it can be concluded that prospects within the Golden Block exist in an area favourable for hosting kimberlitic intrusives. The Buffalo Head basement terrane and overlying sedimentary strata host diamond bearing kimberlites in areas located approximately 60 km to the southwest and 30 km

east of the Golden Block. Interpretation of aeromagnetic and electromagnetic geophysical data, digital elevation models, and Landsat imagery has identified 171 geophysical targets which may be suggestive of kimberlitic intrusives existing within an area of about 837,250 hectares; the remainder of the Golden Block has not been surveyed by airborne geophysics. Ground magnetometer geophysical surveys conducted over 33 of the targets confirmed the presence of several magnetic anomalies which warranted further investigation; the inclusion of HLEM, IP, and MMS surveys failed to upgrade any of the targets and did not aid in determining depth to bedrock. Nine diamond drill holes completed on the ITS and Panny River prospects intersected bedrock comprised of silty to sandy marine shale and geochemical and diamond indicator mineral analysis of drill core samples did not indicate any ultramafic nor kimberlitic affinity. Magnetic susceptibility meter readings collected continuously down the drill core did not identify any highly magnetic intervals; generally the highest readings occurred within gravel layers especially at or near the bedrock – drift interface. Although no direct evidence for the magnetic anomalies has been identified, they do not appear to be related to mafic intrusives but sourced form the concentration of magnetic minerals within surficial sediments, especially those which have accumulated or evolved at or near the drift - bedrock interface.

A large number of untested airborne magnetic anomalies remain within the Golden Block, although exploration has shown that magnetics alone is not a viable method of evaluating individual anomalies. Additional exploration on prospects within the Golden Block to evaluate for the presence of kimberlitic intrusives is warranted and recommended. Future exploration should include:

a) airborne magnetic surveys over untested prospects;
b) acquisition of brokered seismic data over individual anomalies;
c) diamond indicator mineral till sampling over and along east-west oriented fences located down-ice from individual anomalies;
d) electron microprobe quantitative analysis of diamond indicator mineral grains and comparison to kimberlite and diamond inclusion mineral chemistry;
e) soil and/or loam sampling over and/or down-ice from individual anomalies utilizing enzyme leach geochemical analysis for elements including nickel, chromium, niobium, cesium, titanium, strontium, and magnesium. Enzyme leach analysis provides geochemical signatures for anomalies in complex glacial sequences and thick accumulations of overburden;
f) deep penetrating electromagnetic airborne surveys over areas of anomalous targets;
g) ground magnetic geophysical surveys over any anomalous targets; and
h) drill testing of select anomalies to a depth adequate to explain the geophysical target.

STATEMENT OF EXPENDITURES, COST ALLOCATION

A statement of expenditures for work completed on MAIM permits 9397050016 to 9397050041, 9397050115 to 9397050153, 9397090001 to 9397090025, and 9397100343 to 9397100390 is given in Table 8 (Appendix 1); exploration expenditures total $1,446,736.15. The Golden Block permits are contiguous and the dispersal of exploration expenditures is given in Table 9 (Appendix 1).

QUALIFICATIONS

I, Todd Faragher of [redacted], T7X 3N2 of the town of Spruce Grove, in the Province of Alberta hereby certify:

1) That I am a geologist residing at the above address.
2) That I graduated with a B.Sc. in geology from the University of Alberta, 1988.
3) That I have practiced my profession as a geologist from 1988 till present.
4) That this report is based upon field work completed by the author on prospects within the Golden Block and on review of available published and unpublished reports on the prospect and surrounding area.
5) That I currently hold a stock option to purchase 16,000 common shares of New Claymore Resources Ltd. at a fixed priced set October 1, 1998.
6) That I authorize the distribution of this report by Alberta Energy at the end of a term of confidentiality of one year commencing on the date which Alberta Energy receives this report.

Signed:

[redacted]

Todd Faragher, B.Sc.
this 17 day of September, 1999

REFERENCES

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APPENDIX 1

STATEMENT OF EXPENDITURES,

COST ALLOCATION

TABLE 8
STATEMENT OF EXPENDITURES

MAIM PERMITS 9397050016 to 9397050041, 9397050115 to 9397050153,
9397090001 to 9397090025, and 9397100343 to 9397100390

DESCRIPTION	COST ($)	TOTAL COST ($)
Salary and Wages		
Senior Supervision	8,400.00	
Field Geologists	26,080.00	
Report Preparation	8,600.00	
Drafting	1,400.00	
Clerical	550.00	
		45,030.00
Field Costs		
Accommodation / Meals / Travel	53,336.98	
Field Supplies	4,918.35	
Freight	824.40	
Fuel	4,568.55	
		63,648.28
Rental Equipment		
Field Equipment Rental	2,292.60	
Geophysical Equipment Rental	5,350.00	
Skidoo Rental	2,490.00	
Vehicle Operation and Repair	6,358.83	
		16,491.43
Subcontracting Services		
Construction Contractors		
Sauve Construction Ltd.	17,345.29	
Drilling Contractors		
Layne Christensen Canada Limited	88,399.33	
J.T. Thomas Diamond Drilling Ltd.	47,027.38	
Geological Contractors / Consultants		
Activation Laboratories	270.00	
Dahrouge Geological Consulting Ltd.	6,300.00	
Dawson Geological Consultants Ltd.	35,820.53	
G. Belik & Associates	19,803.24	
Lucero Resource Corp.	49,585.33	
Manuka Palynologic Consulting	310.10	
Saskatchewan Research Council	534.00	
Geophysical Contractors		
Gedco Geophysical Exploration	19,426.00	
Geoterrex	244,044.49	
Geoterrex - Ashton orientation	6,644.91	
Hendex Exploration Services Ltd.	55,266.01	
High-Sense Geophysics Ltd.	519,995.21	
Intrepid Geophysics Ltd.	5,600.00	
RGI Resource GIS and Imaging Ltd.	8,410.20	
SJ Geophysics Ltd.	21,886.73	
T. Hasek Associates Ltd.	6,614.00	
Terraquest Ltd.	47,932.40	
[redacted]	27,029.24	
Helicopter Contractors		
Canadian Helicopters	92,533.64	
Land / Road Use and Permitting		
Gulf Canada Resources Ltd.	1,605.00	
Lorrnel Consultants	7,909.70	
		1,330,292.73
Office Charges, Administrative, General		
Maps, Reports, Publications, Photographs	1,141.73	
Reproduction / Computer Plots	742.09	
Office / Computer Consumables	167.44	
Computer Usage / Programs	910.00	
Communication - telephone, fax	550.30	
Postal, Courier, Freight	142.15	
Office Overhead	7,520.00	
		11,173.71
TOTAL		**1,466,636.15**

I certify that these expenditures are valid and were incurred in conducting assessment work on the above listed permits.

Signed: [redacted]

[redacted]

TABLE 9
COST ALLOCATION

MAIM PERMITS 9397050016 to 9397050041, 9397050115 to 9397050153,
9397090001 to 9397090025, and 9397100343 to 9397100390

MAIM Permit Number	Permit Area (ha)	Permit Commencement Date	Assessment Work Requirement ($ / ha)	Assessment Amount Due ($)	Exploration Expenditures ($)	Assigned Assessment Amount ($)
9397050016	9,216	May 21, 1997	5.00	46,080.00		46,080.00
9397050017	9,216	May 21, 1997	5.00	46,080.00		46,080.00
9397050018	9,216	May 21, 1997	5.00	46,080.00		46,080.00
9397050019	9,216	May 21, 1997	5.00	46,080.00		46,080.00
9397050020	9,216	May 21, 1997	5.00	46,080.00		46,080.00
9397050021	9,216	May 21, 1997	5.00	46,080.00		46,080.00
9397050022	9,216	May 21, 1997	5.00	46,080.00		46,080.00
9397050023	9,216	May 21, 1997	5.00	46,080.00		46,080.00
9397050024	9,216	May 21, 1997	5.00	46,080.00		46,080.00
9397050025	9,216	May 21, 1997	5.00	46,080.00		46,080.00
9397050026	9,216	May 21, 1997	5.00	46,080.00		46,080.00
9397050027	9,216	May 21, 1997	5.00	46,080.00		46,080.00
9397050028	9,216	May 21, 1997	5.00	46,080.00		46,080.00
9397050029	9,216	May 21, 1997	5.00	46,080.00		46,080.00
9397050030	9,216	May 21, 1997	5.00	46,080.00		0.00
9397050031	9,216	May 21, 1997	5.00	46,080.00		0.00
9397050032	9,216	May 21, 1997	5.00	46,080.00		0.00
9397050033	9,216	May 21, 1997	5.00	46,080.00		0.00
9397050034	9,216	May 21, 1997	5.00	46,080.00		46,080.00
9397050035	9,216	May 21, 1997	5.00	46,080.00		46,080.00
9397050036	9,216	May 21, 1997	5.00	46,080.00		0.00
9397050037	9,216	May 21, 1997	5.00	46,080.00		0.00
9397050038	9,216	May 21, 1997	5.00	46,080.00		0.00
9397050039	9,216	May 21, 1997	5.00	46,080.00		0.00
9397050040	9,216	May 21, 1997	5.00	46,080.00		46,080.00
9397050041	9,216	May 21, 1997	5.00	46,080.00		46,080.00
9397050115	9,216	May 30, 1997	5.00	46,080.00		0.00
9397050116	9,216	May 30, 1997	5.00	46,080.00		0.00
9397050117	9,216	May 30, 1997	5.00	46,080.00		0.00
9397050118	9,216	May 30, 1997	5.00	46,080.00		46,080.00
9397050119	9,216	May 30, 1997	5.00	46,080.00		46,080.00
9397050120	9,216	May 30, 1997	5.00	46,080.00		46,080.00
9397050121	9,216	May 30, 1997	5.00	46,080.00		0.00
9397050122	9,167	May 30, 1997	5.00	45,835.00		0.00
9397050123	8,960	May 30, 1997	5.00	44,800.00		0.00
9397050124	9,216	May 30, 1997	5.00	46,080.00		0.00
9397050125	9,216	May 30, 1997	5.00	46,080.00		0.00
9397050126	9,216	May 30, 1997	5.00	46,080.00		0.00
9397050127	9,216	May 30, 1997	5.00	46,080.00		0.00
9397050128	9,216	May 30, 1997	5.00	46,080.00		0.00
9397050129	9,216	May 30, 1997	5.00	46,080.00		0.00
9397050130	9,216	May 30, 1997	5.00	46,080.00		0.00
9397050131	9,216	May 30, 1997	5.00	46,080.00		0.00
9397050132	9,216	May 30, 1997	5.00	46,080.00		0.00
9397050133	9,216	May 30, 1997	5.00	46,080.00		46,080.00
9397050134	6,926	May 30, 1997	5.00	34,630.00		0.00
9397050135	9,216	May 30, 1997	5.00	46,080.00		0.00
9397050136	9,216	May 30, 1997	5.00	46,080.00		0.00
9397050137	9,216	May 30, 1997	5.00	46,080.00		0.00
9397050138	9,216	May 30, 1997	5.00	46,080.00		46,080.00
9397050139	9,216	May 30, 1997	5.00	46,080.00		46,080.00
9397050140	9,216	May 30, 1997	5.00	46,080.00		46,080.00
9397050141	9,216	May 30, 1997	5.00	46,080.00		46,080.00
9397050142	9,216	May 30, 1997	5.00	46,080.00		0.00
9397050143	9,216	May 30, 1997	5.00	46,080.00		0.00
9397050144	9,216	May 30, 1997	5.00	46,080.00		0.00
9397050145	9,216	May 30, 1997	5.00	46,080.00		0.00
9397050146	6,946	May 30, 1997	5.00	34,730.00		0.00
9397050147	9,216	May 30, 1997	5.00	46,080.00		0.00
9397050148	9,216	May 30, 1997	5.00	46,080.00		0.00
9397050149	9,216	May 30, 1997	5.00	46,080.00		0.00
9397050150	9,216	May 30, 1997	5.00	46,080.00		46,080.00
9397050151	9,216	May 30, 1997	5.00	46,080.00		46,080.00
9397050152	9,216	May 30, 1997	5.00	46,080.00		46,080.00
9397050153	9,216	May 30, 1997	5.00	46,080.00		46,080.00
9397090001	9,216	September 16, 1997	5.00	46,080.00		0.00
9397090002	9,216	September 16, 1997	5.00	46,080.00		0.00
9397090003	9,216	September 16, 1997	5.00	46,080.00		0.00
9397090004	9,216	September 16, 1997	5.00	46,080.00		0.00
9397090005	9,216	September 16, 1997	5.00	46,080.00		0.00
9397090006	9,216	September 16, 1997	5.00	46,080.00		0.00
9397090007	9,216	September 16, 1997	5.00	46,080.00		0.00
9397090008	9,216	September 16, 1997	5.00	46,080.00		0.00
9397090009	9,216	September 16, 1997	5.00	46,080.00		0.00
9397090010	9,216	September 16, 1997	5.00	46,080.00		0.00

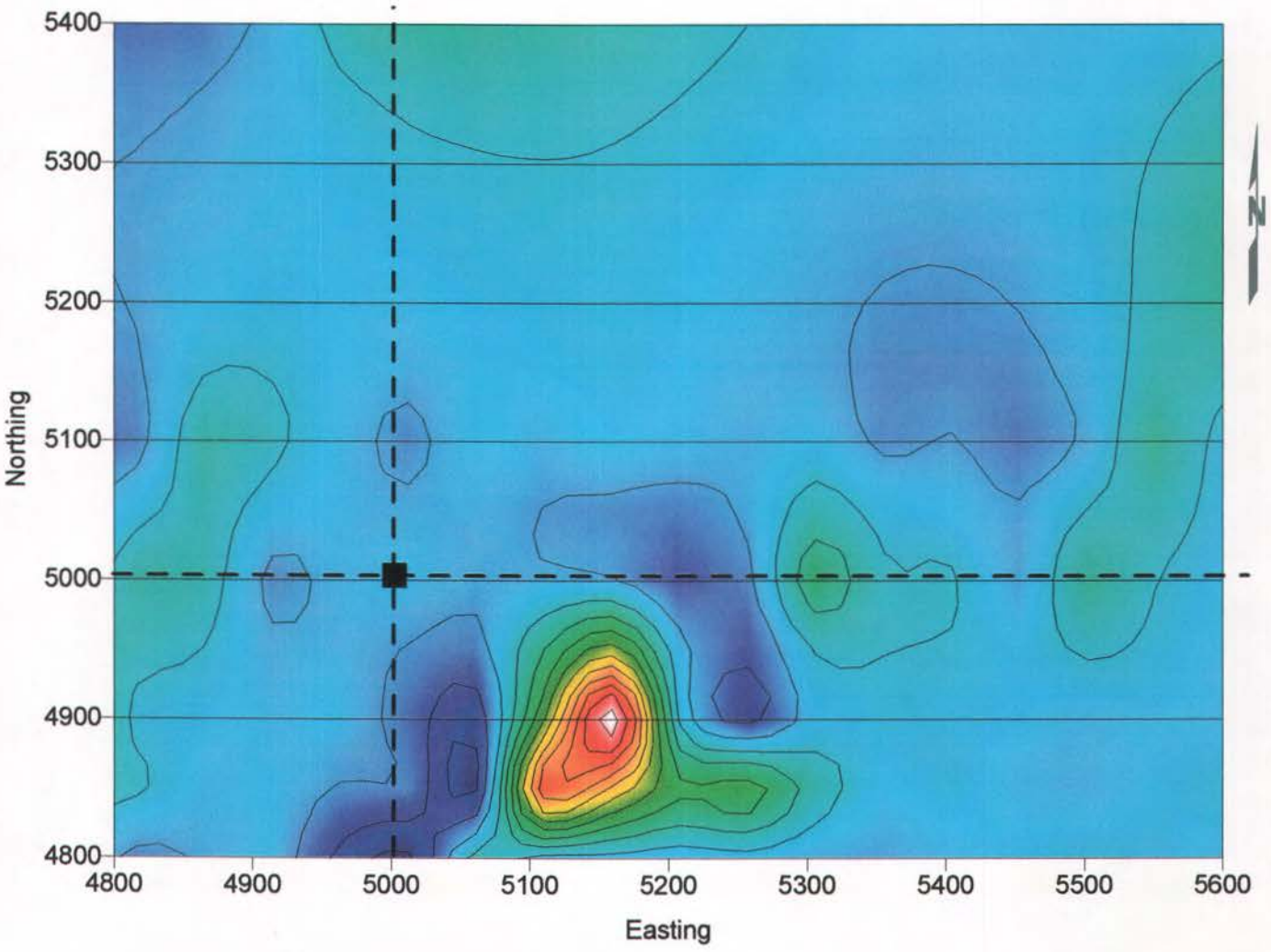
TABLE 9 (continued)
COST ALLOCATION

MAIM PERMITS 9397050016 to 9397050041, 9397050115 to 9397050153,
9397090001 to 9397090025, and 9397100343 to 9397100390

MAIM Permit Number	Permit Area (ha)	Permit Commencement Date	Assessment Work Requirement ($ / ha)	Assessment Amount Due ($)	Exploration Expenditures ($)	Assigned Assessment Amount ($)
9397090011	9,216	September 16, 1997	5.00	46,080.00		0.00
9397090012	9,216	September 16, 1997	5.00	46,080.00		0.00
9397090013	9,216	September 16, 1997	5.00	46,080.00		0.00
9397090014	9,216	September 16, 1997	5.00	46,080.00		0.00
9397090015	9,216	September 16, 1997	5.00	46,080.00		0.00
9397090016	9,216	September 16, 1997	5.00	46,080.00		0.00
9397090017	9,216	September 16, 1997	5.00	46,080.00		0.00
9397090018	9,216	September 16, 1997	5.00	46,080.00		0.00
9397090019	5,824	September 16, 1997	5.00	29,120.00		0.00
9397090020	9,216	September 16, 1997	5.00	46,080.00		0.00
9397090021	9,216	September 16, 1997	5.00	46,080.00		0.00
9397090022	9,216	September 16, 1997	5.00	46,080.00		0.00
9397090023	9,216	September 16, 1997	5.00	46,080.00		0.00
9397090024	9,216	September 16, 1997	5.00	46,080.00		0.00
9397090025	9,216	September 16, 1997	5.00	46,080.00		0.00
9397100343	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100344	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100345	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100346	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100347	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100348	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100349	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100350	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100351	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100352	7,424	October 22, 1997	5.00	37,120.00		0.00
9397100353	9,088	October 22, 1997	5.00	45,440.00		0.00
9397100354	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100355	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100356	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100357	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100358	9,164	October 22, 1997	5.00	45,820.00		0.00
9397100359	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100360	7,393	October 22, 1997	5.00	36,965.00		0.00
9397100361	8,448	October 22, 1997	5.00	42,240.00		0.00
9397100362	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100363	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100364	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100365	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100366	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100367	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100368	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100369	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100370	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100371	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100372	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100373	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100374	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100375	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100376	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100377	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100378	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100379	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100380	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100381	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100382	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100383	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100384	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100385	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100386	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100387	9,216	October 22, 1997	5.00	46,080.00		0.00
9397100388	9,186	October 22, 1997	5.00	45,930.00		0.00
9397100389	9,021	October 22, 1997	5.00	45,105.00		0.00
9397100390	9,045	October 22, 1997	5.00	45,225.00		0.00
Total	1,258,592			6,292,960.00	1,466,636.15	1,382,400.00

APPENDIX 2

GROUND MAGNETOMETER SURVEY FIGURE 5 TO FIGURE 30



SYMBOLS

NAD 27 UTM co-ordinate
11V 0544500 E 6426500 N

Seismic line

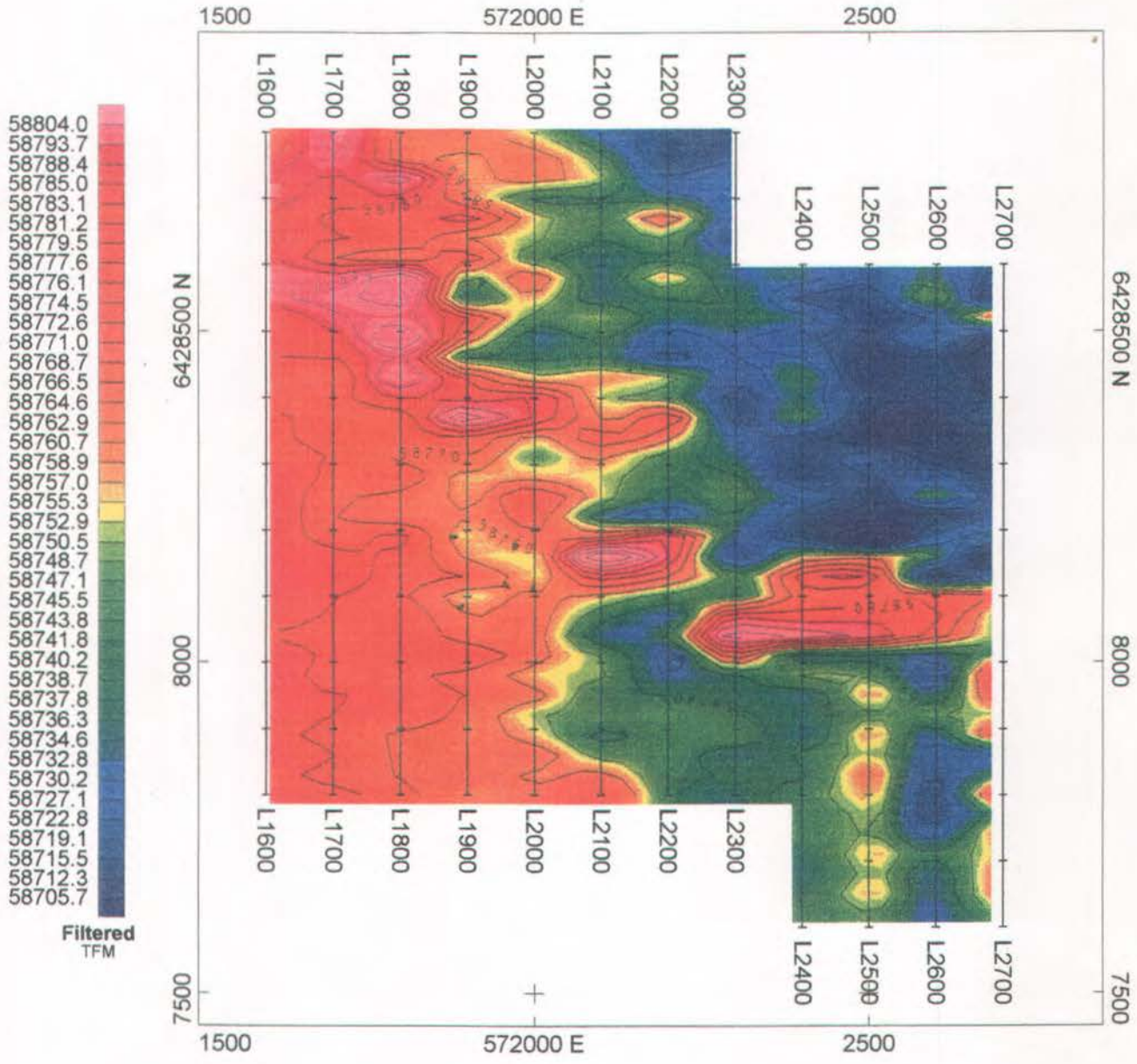
Isomagnetic contour
contour interval 20 nT

NEW CLAYMORE RESOURCES LTD.
GOLDEN BLOCK

FIGURE 5
ELEKTRA PROSPECT - GRID D
GROUND MAGNETOMETER SURVEY
TOTAL MAGNETIC FIELD CONTOURS

Scale 0 100 200 Metres

September, 1999



SYMBOLS

Isomagnetic contour
contour interval 10 nT

100 0.0 100 200 300

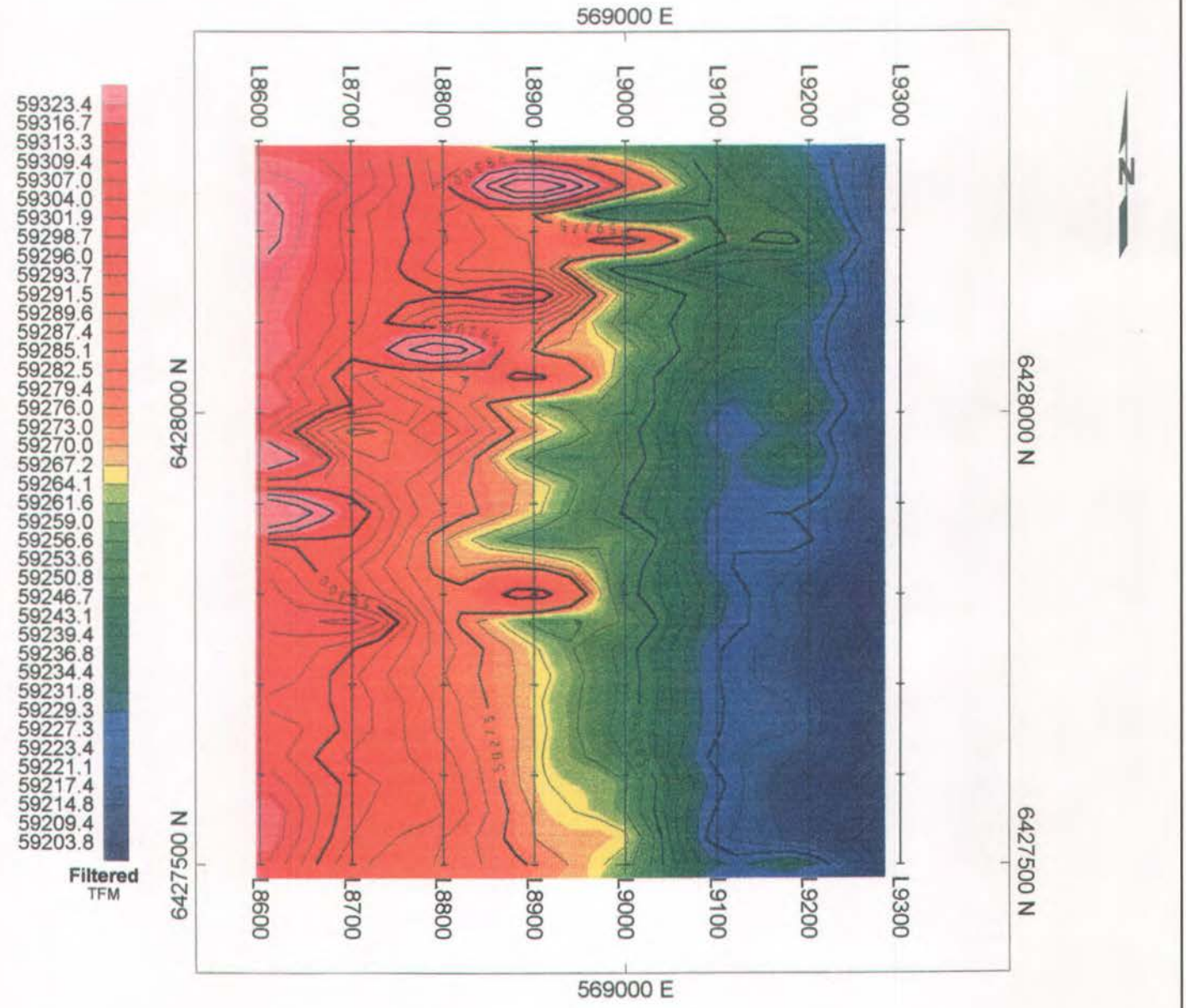
(meters)

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GOLDEN BLOCK

FIGURE 6
ITS PROSPECT - GRID A
GROUND MAGNETOMETER SURVEY
TOTAL MAGNETIC FIELD CONTOURS

September, 1999



SYMBOLS

Isomagnetic contour
contour interval 5 nT

100 0.0 100 200

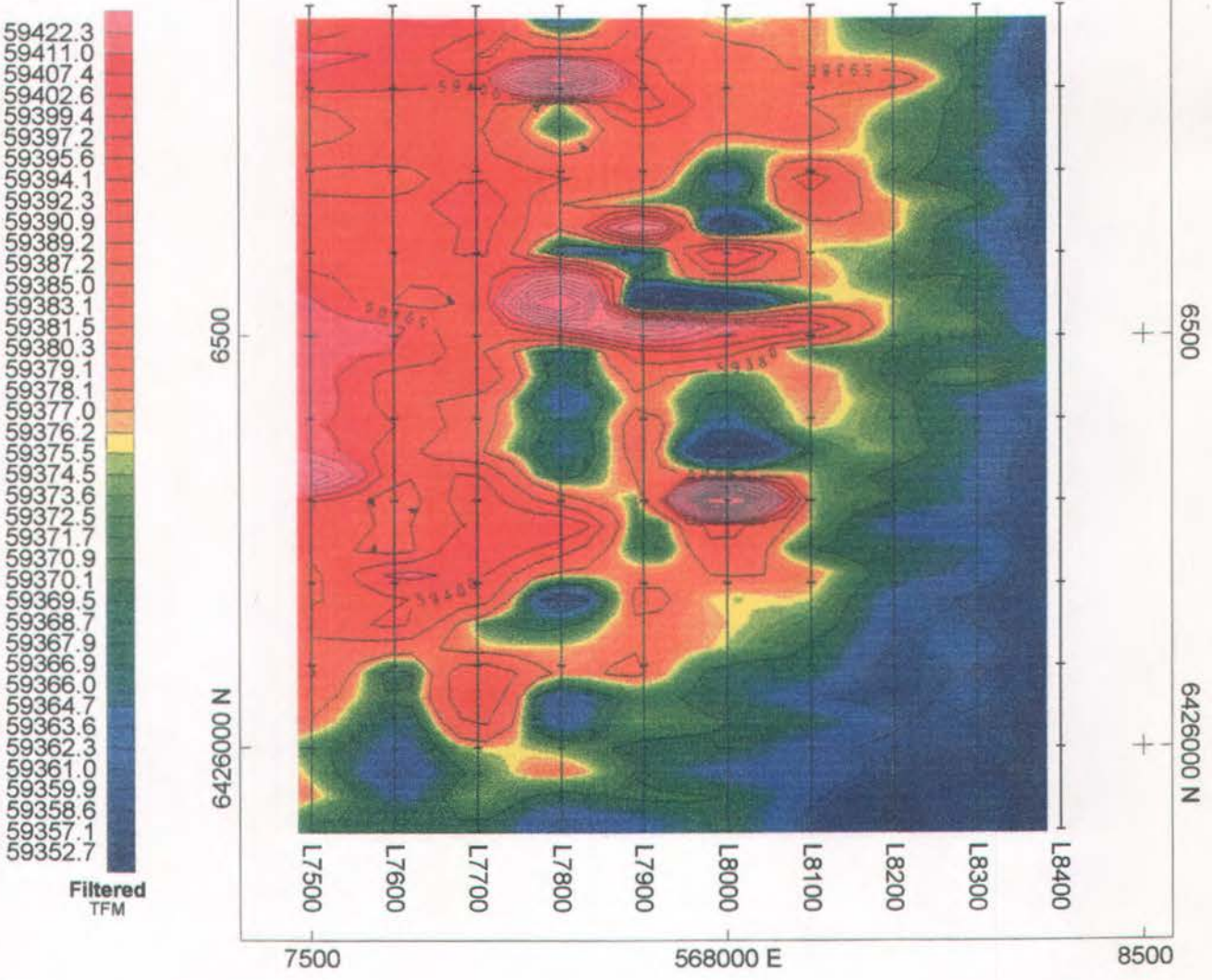
(meters)

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GOLDEN BLOCK

FIGURE 7
ITS PROSPECT - GRID B
GROUND MAGNETOMETER SURVEY
TOTAL MAGNETIC FIELD CONTOURS

September, 1999



SYMBOLS

Isomagnetic contour
contour interval 10 nT

100 0.0 100 200 300

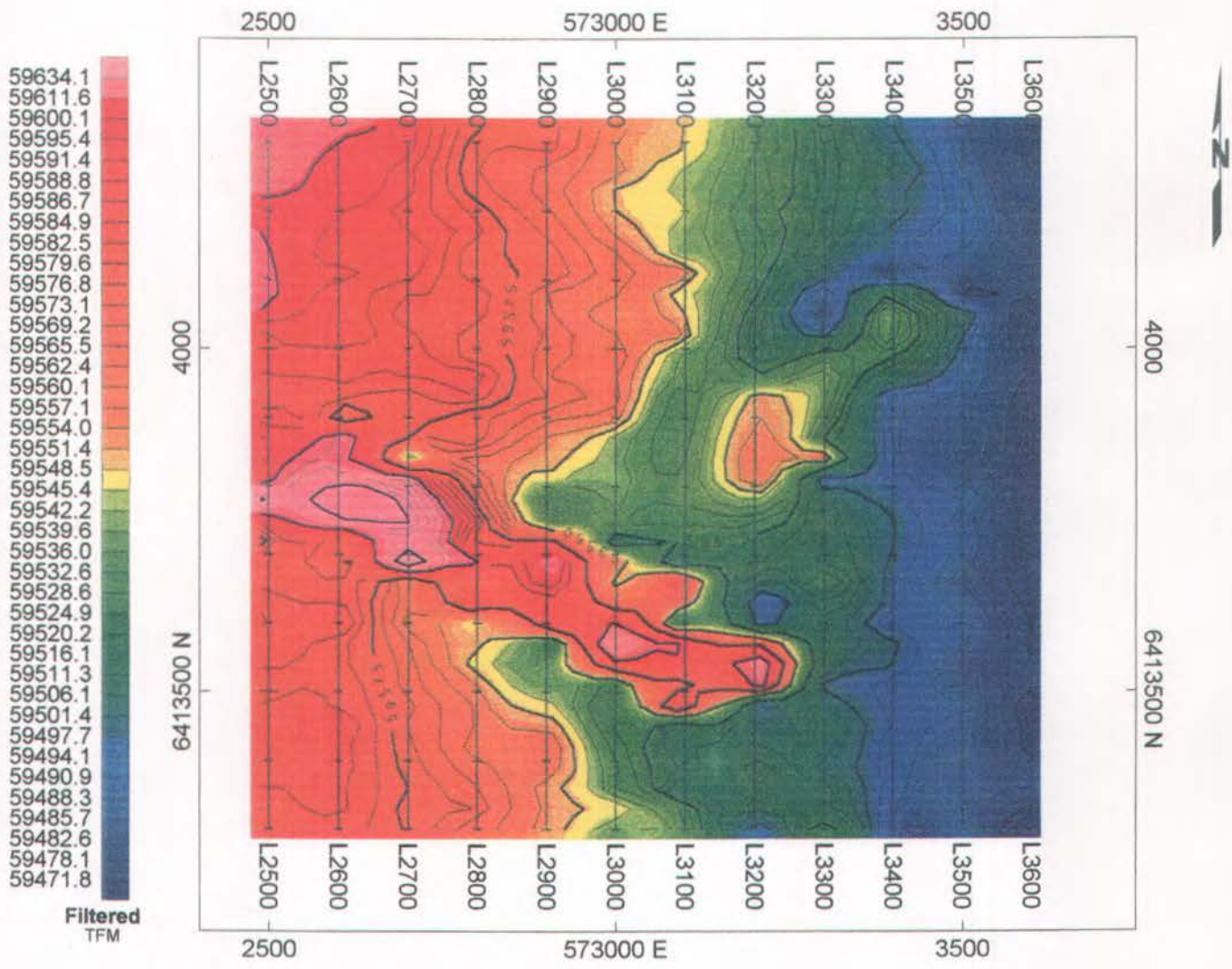
(meters)

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GOLDEN BLOCK

FIGURE 8
ITS PROSPECT - GRID C
GROUND MAGNETOMETER SURVEY
TOTAL MAGNETIC FIELD CONTOURS

September, 1999



SYMBOLS

Isomagnetic contour
contour interval 5 nT

100 0.0 100 200 300

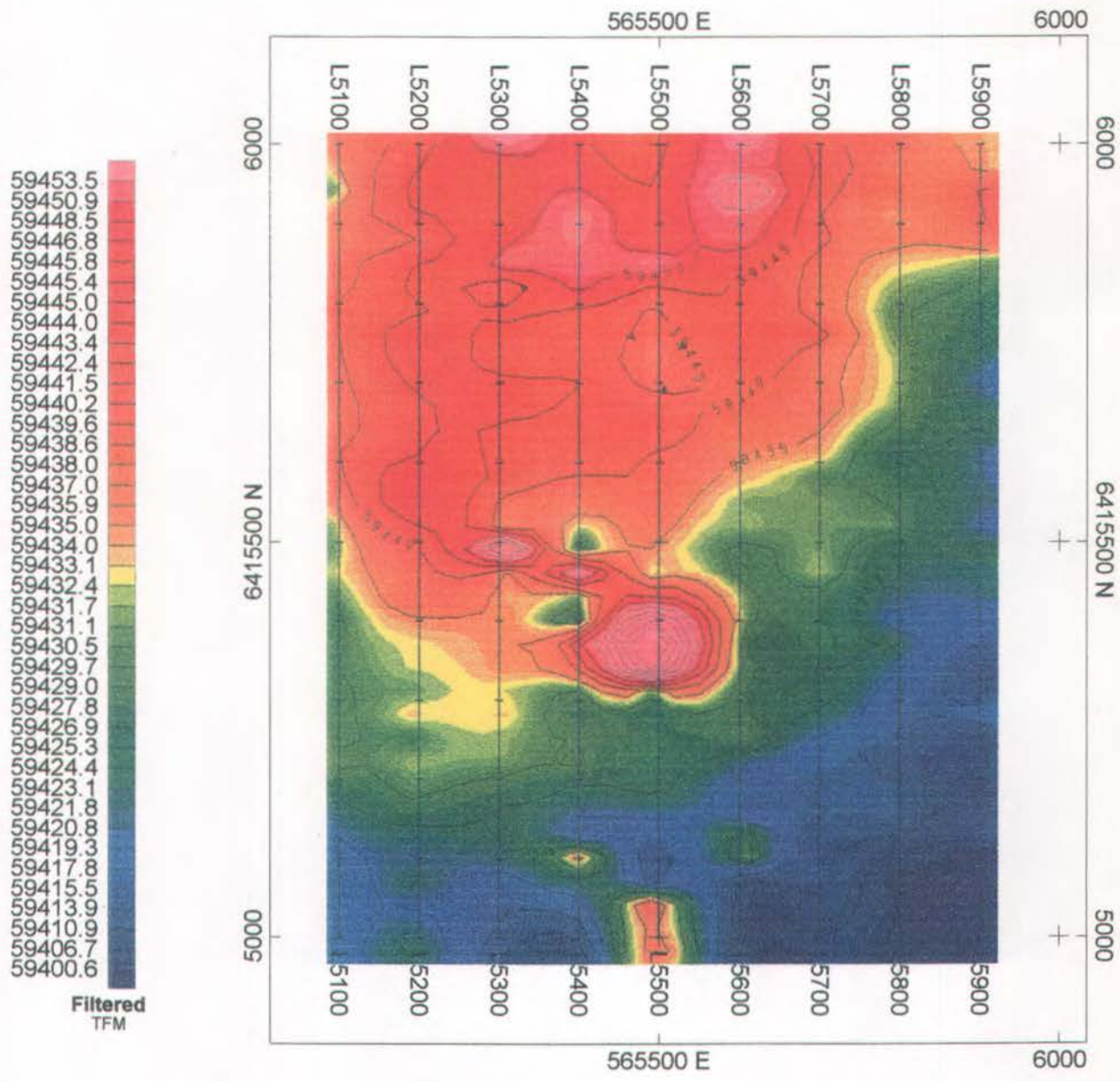
(meters)

NEW CLAYMORE RESOURCES LTD.

GOLDEN BLOCK

FIGURE 9
ITS PROSPECT - GRID D
GROUND MAGNETOMETER SURVEY
TOTAL MAGNETIC FIELD CONTOURS

September, 1999



SYMBOLS

Isomagnetic contour
contour interval 5 nT

100 0.0 100 200 300

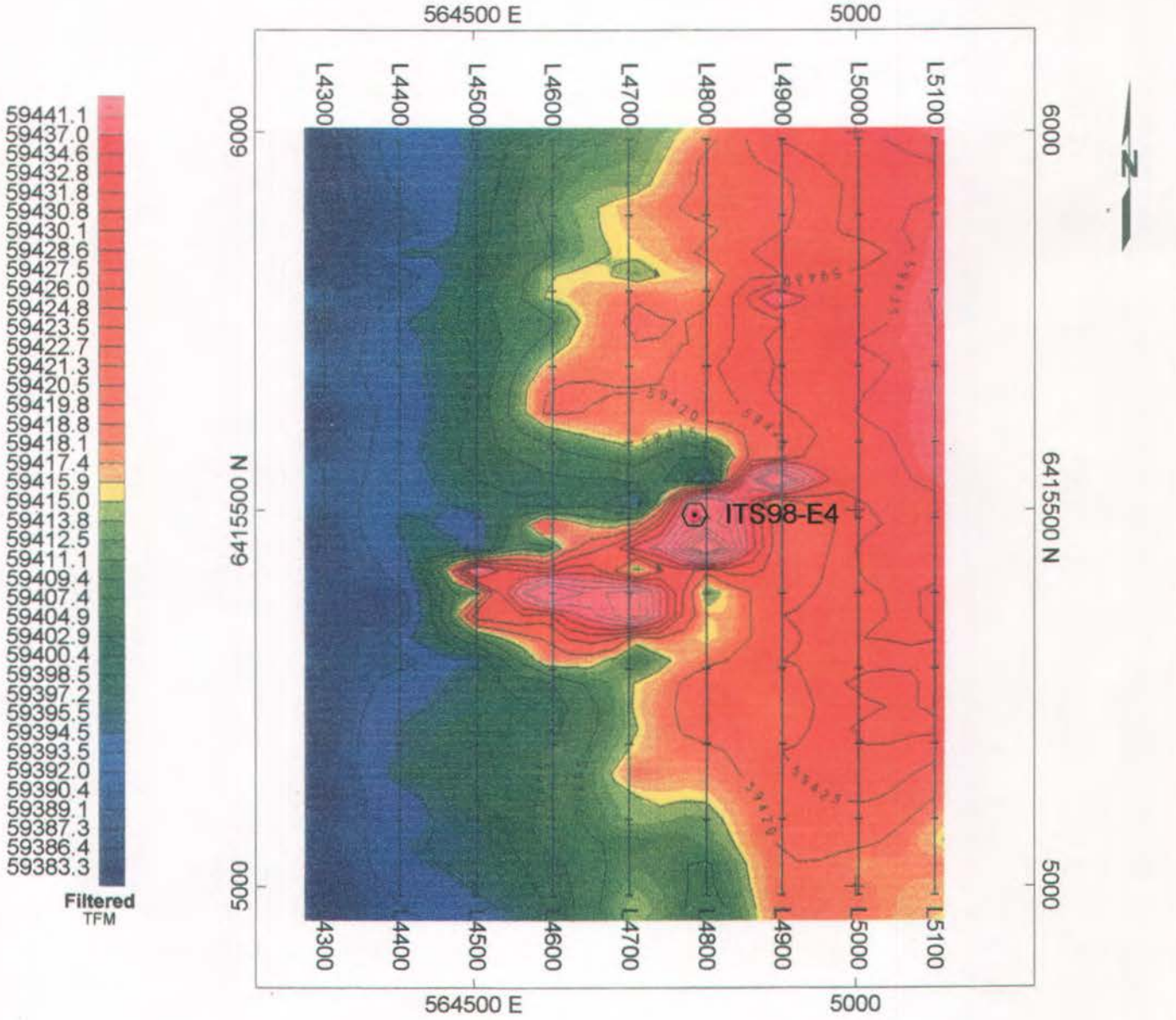
(meters)

NEW CLAYMORE RESOURCES LTD.

GOLDEN BLOCK

FIGURE 10A
ITS PROSPECT - GRID E - EAST HALF
GROUND MAGNETOMETER SURVEY
TOTAL MAGNETIC FIELD CONTOURS

September, 1999



SYMBOLS

Isomagnetic contour
contour interval 5 nT

ITS98-E4 Diamond drill hole; identifier

100 0.0 100 200 300

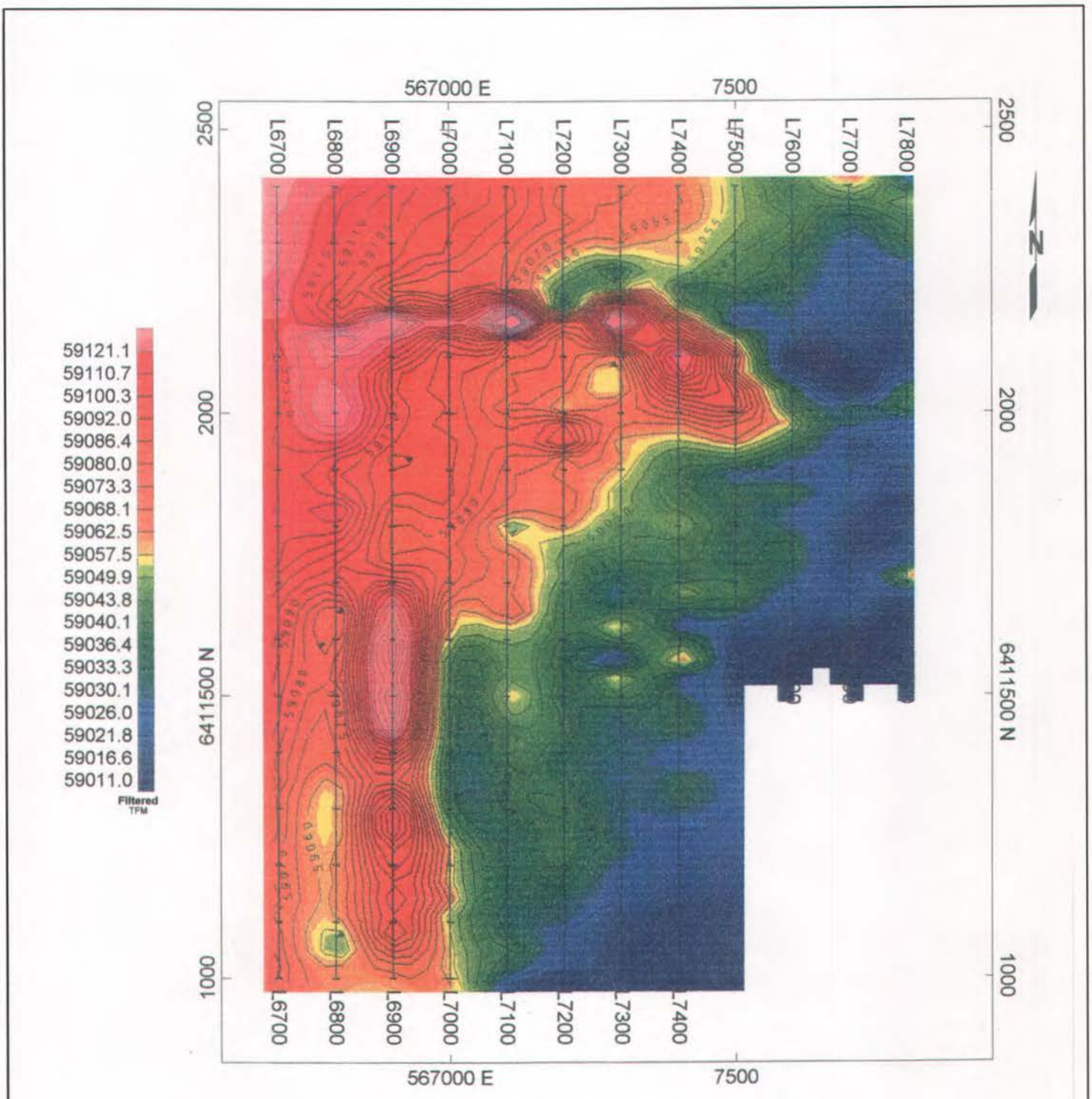
(meters)

NEW CLAYMORE RESOURCES LTD.

GOLDEN BLOCK

FIGURE 10B
ITS PROSPECT - GRID E - WEST HALF
GROUND MAGNETOMETER SURVEY
TOTAL MAGNETIC FIELD CONTOURS

September, 1999



SYMBOLS

Isomagnetic contour
contour interval 5 nT

100 0.0 100 200 300

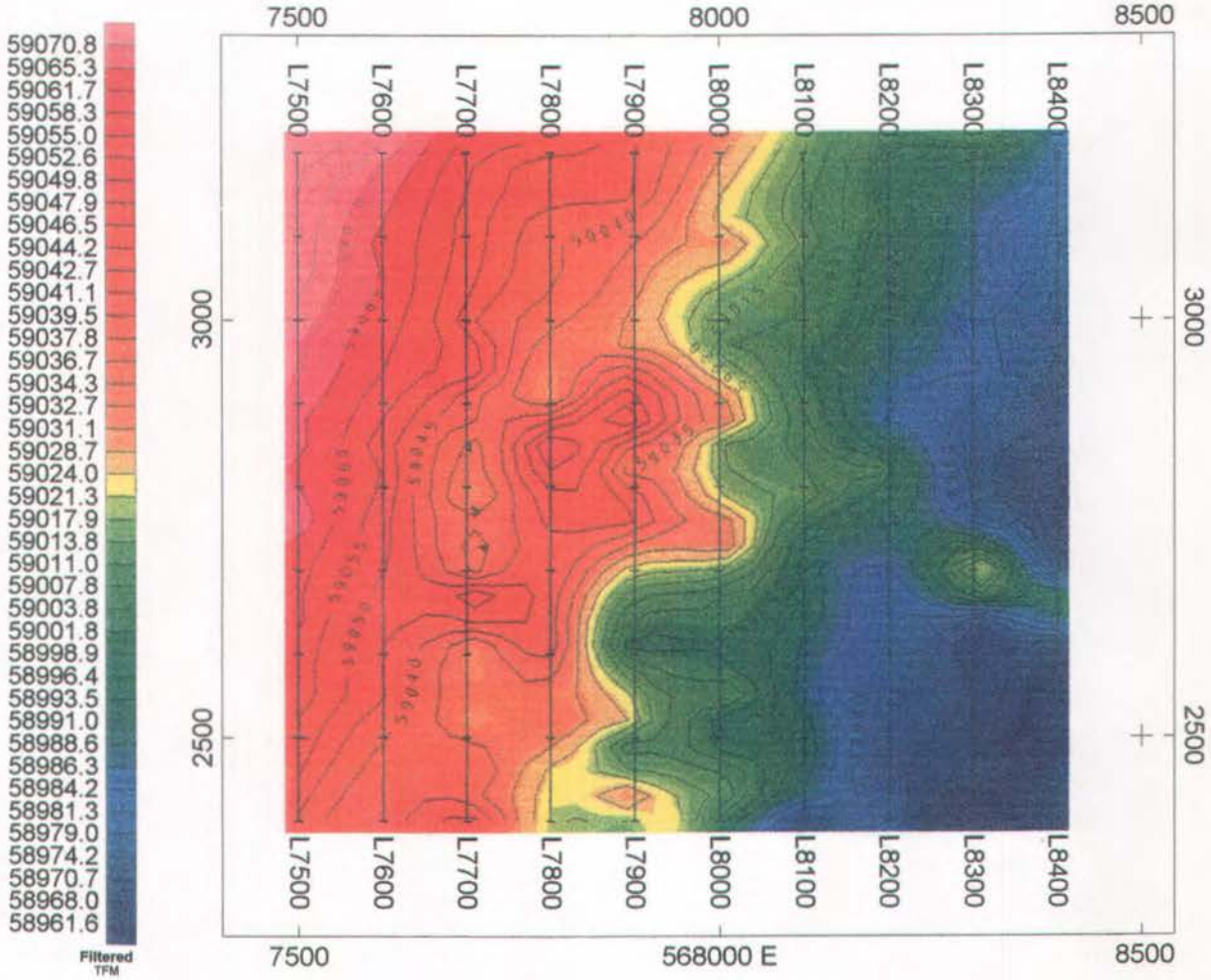
(meters)

NEW CLAYMORE RESOURCES LTD.

GOLDEN BLOCK

FIGURE 11
ITS PROSPECT - GRID F
GROUND MAGNETOMETER SURVEY
TOTAL MAGNETIC FIELD CONTOURS

September, 1999



SYMBOLS

Isomagnetic contour
contour interval 5 nT

100 0.0 100 200 300

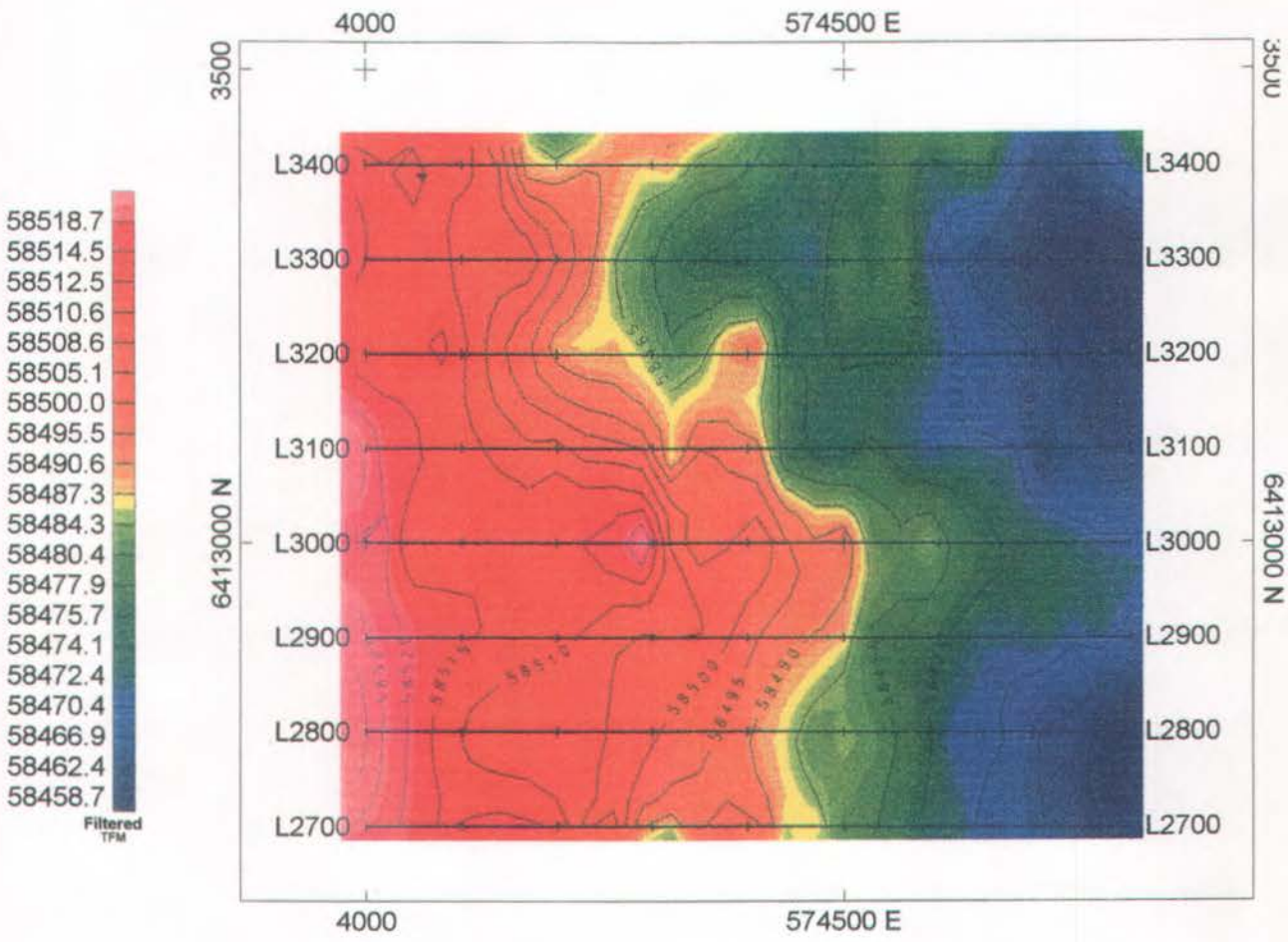
(meters)

NEW CLAYMORE RESOURCES LTD.

GOLDEN BLOCK

FIGURE 12
ITS PROSPECT - GRID G
GROUND MAGNETOMETER SURVEY
TOTAL MAGNETIC FIELD CONTOURS

September, 1999



SYMBOLS

Isomagnetic contour
contour interval 5 nT

100 0.0 100 200

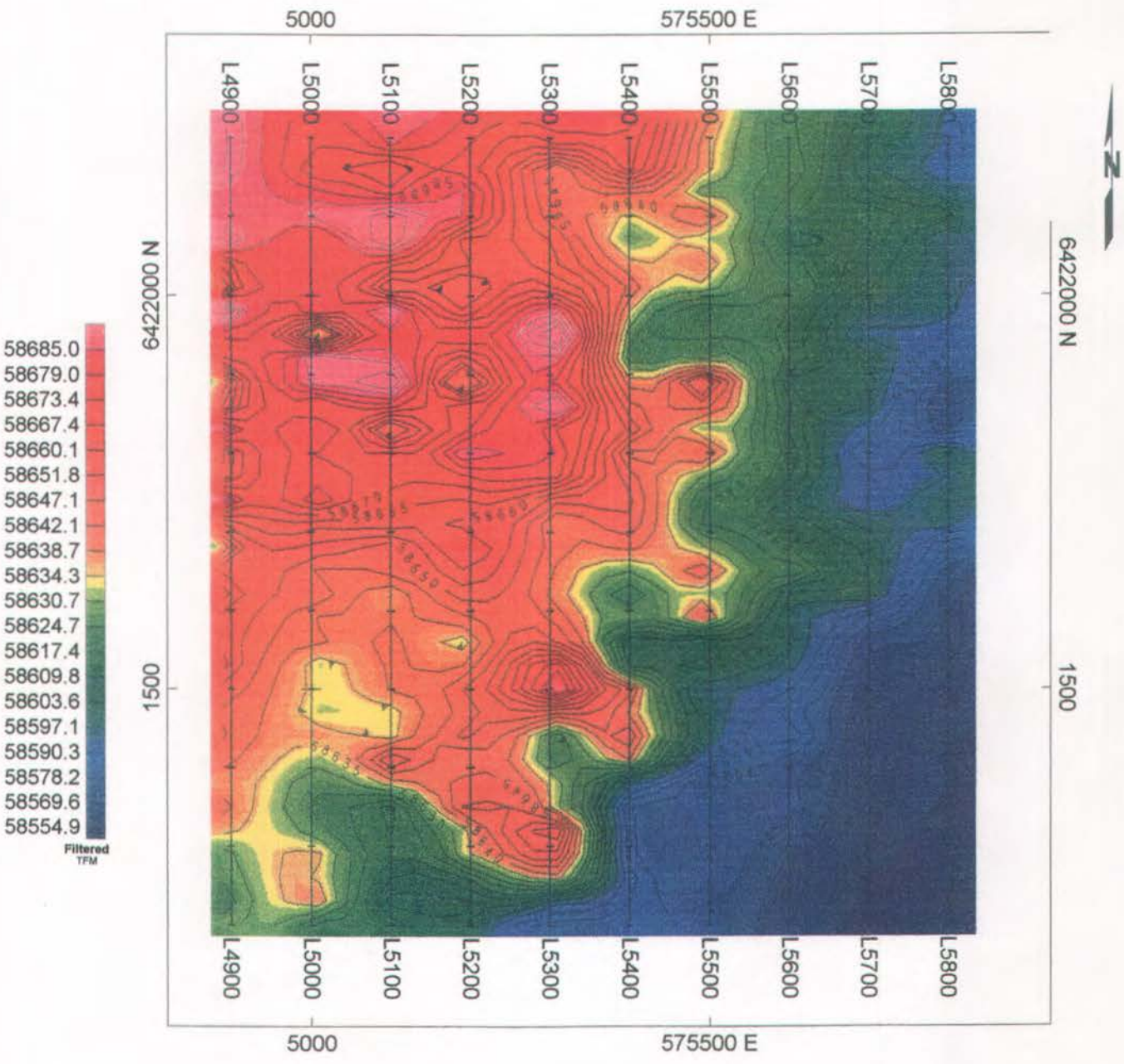
(meters)

NEW CLAYMORE RESOURCES LTD.

GOLDEN BLOCK

FIGURE 13
ITS PROSPECT - GRID H
GROUND MAGNETOMETER SURVEY
TOTAL MAGNETIC FIELD CONTOURS

September, 1999



SYMBOLS

Isomagnetic contour
contour interval 5 nT

100 0.0 100 200

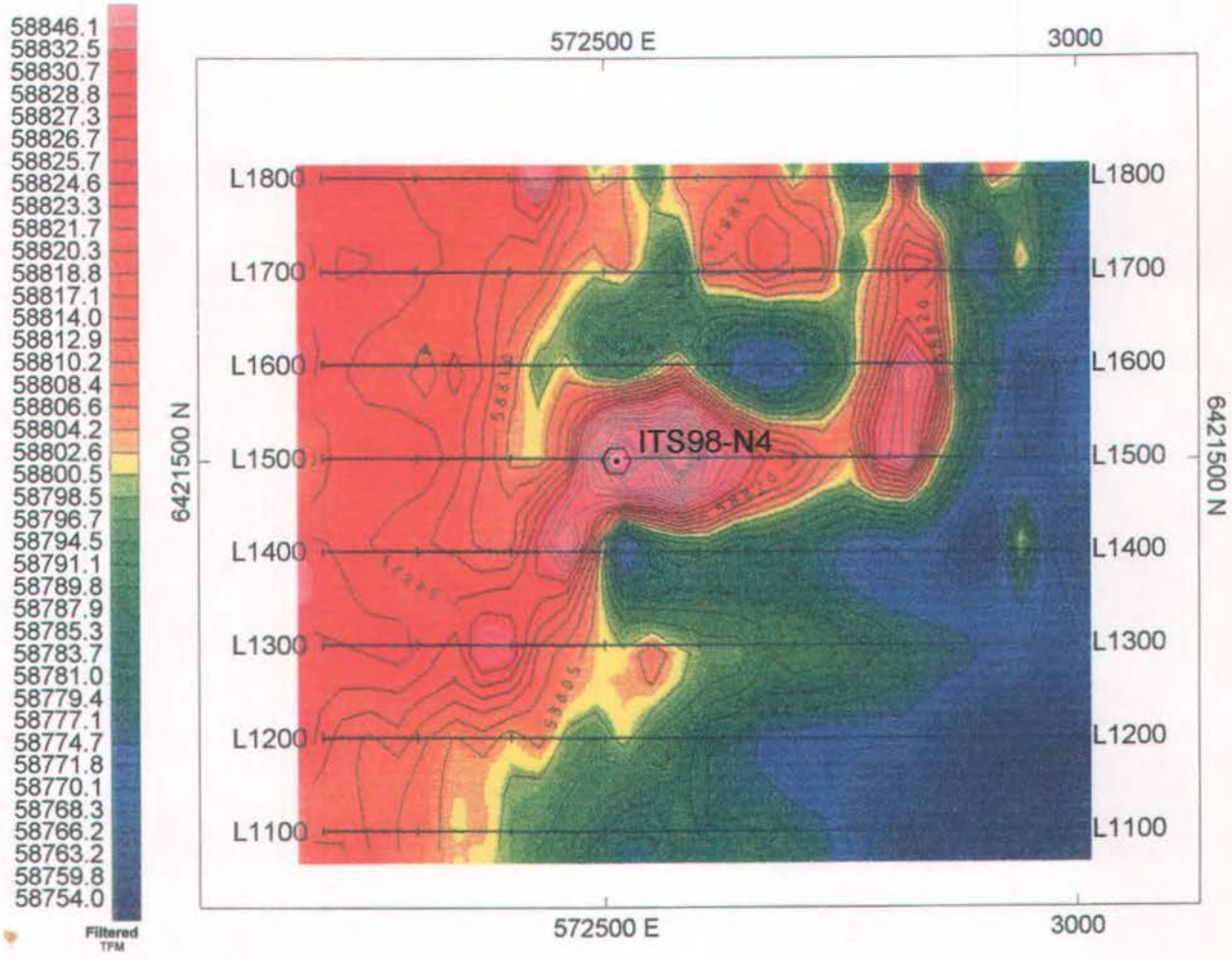
(meters)

NEW CLAYMORE RESOURCES LTD.

GOLDEN BLOCK

FIGURE 14
ITS PROSPECT - GRID I
GROUND MAGNETOMETER SURVEY
TOTAL MAGNETIC FIELD CONTOURS

September, 1999



SYMBOLS

Isomagnetic contour
contour interval 5 nT

ITS98-N4 Diamond drill hole; identifier

100 0.0 100 200

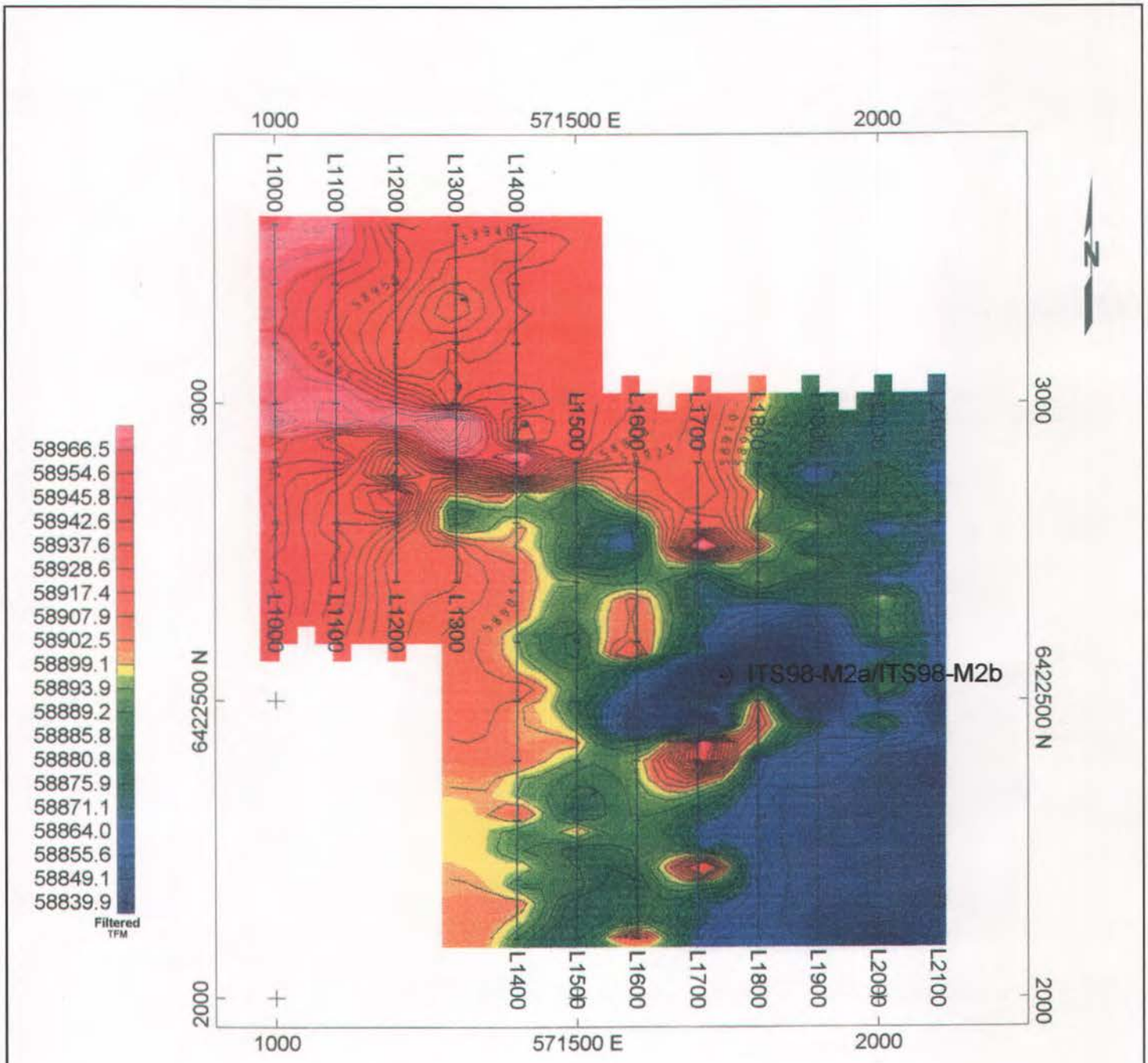
(meters)

NEW CLAYMORE RESOURCES LTD.

GOLDEN BLOCK

FIGURE 15
ITS PROSPECT - GRID J
GROUND MAGNETOMETER SURVEY
TOTAL MAGNETIC FIELD CONTOURS

September, 1999



SYMBOLS

Isomagnetic contour
contour interval 5 nT

ITS98-M2a ⊙ Diamond drill hole; identifier

100 0.0 100 200 300

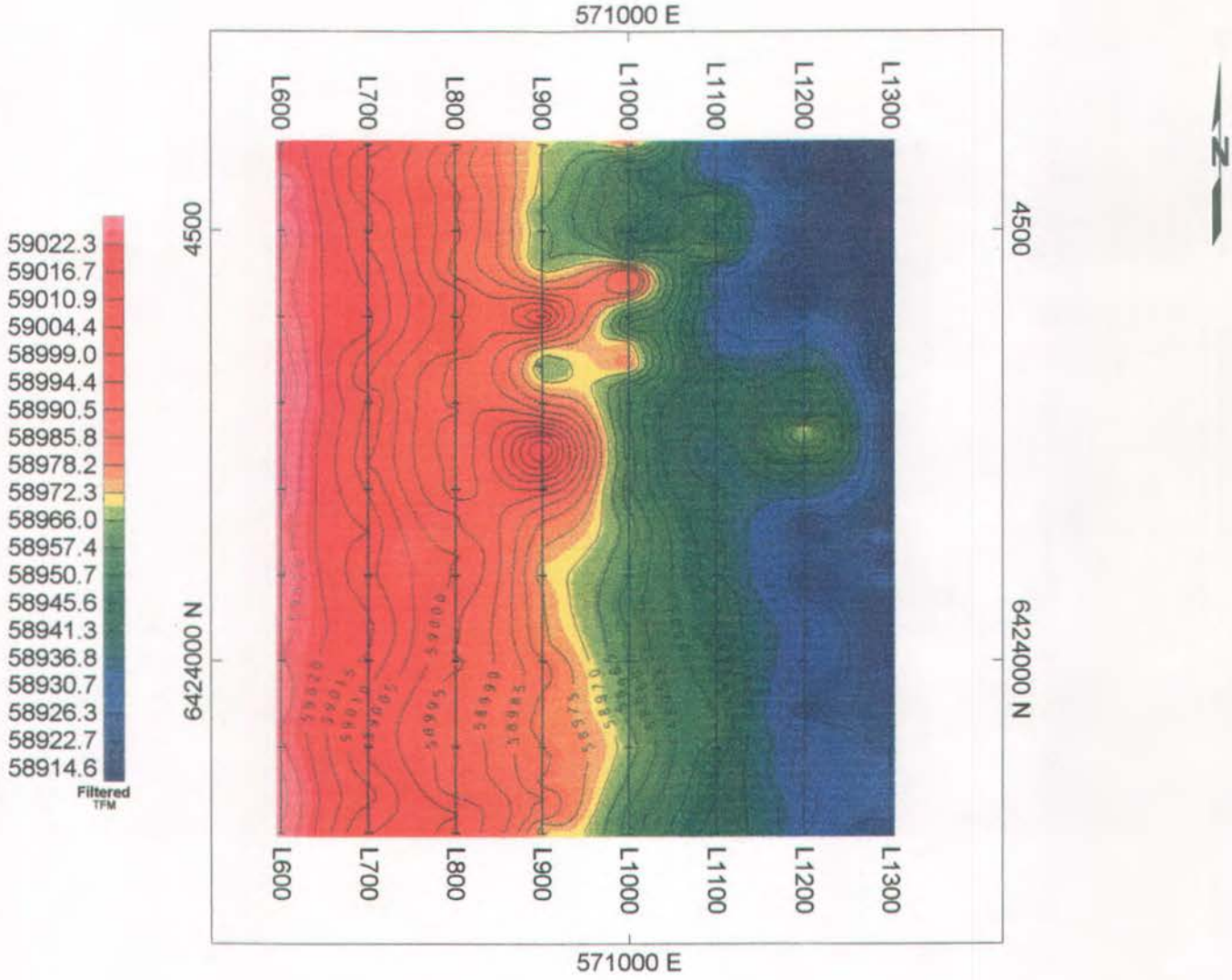
(meters)

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GOLDEN BLOCK

FIGURE 16
ITS PROSPECT - GRID K
GROUND MAGNETOMETER SURVEY
TOTAL MAGNETIC FIELD CONTOURS

September, 1999



SYMBOLS

Isomagnetic contour
contour interval 5 nT

100 0.0 100 200

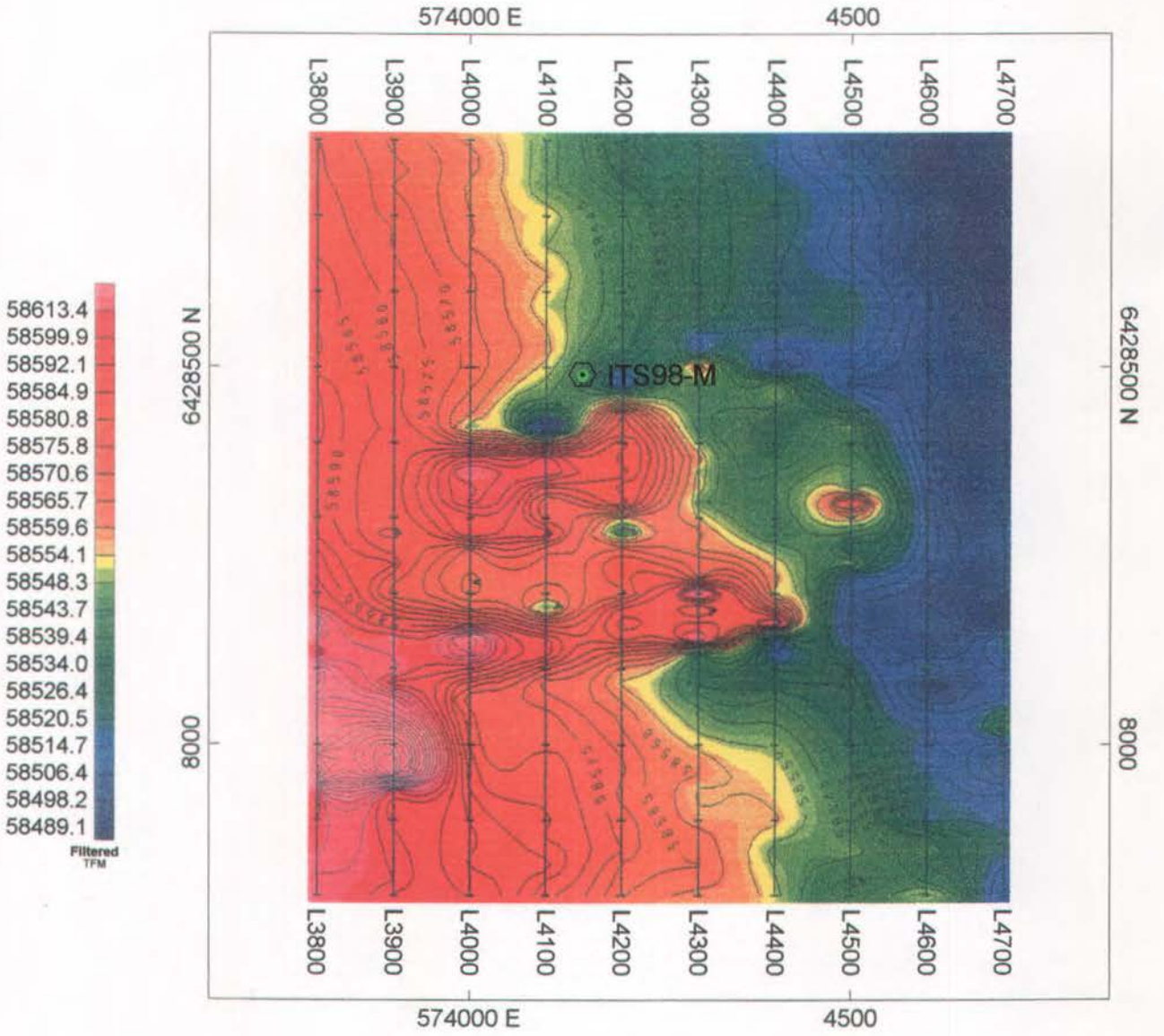
(meters)

NEW CLAYMORE RESOURCES LTD.

GOLDEN BLOCK

FIGURE 17
ITS PROSPECT - GRID L
GROUND MAGNETOMETER SURVEY
TOTAL MAGNETIC FIELD CONTOURS

September, 1999



SYMBOLS

Isomagnetic contour
contour interval 5 nT

ITS98-M ⊙ Diamond drill hole; identifier

100 0.0 100 200 300

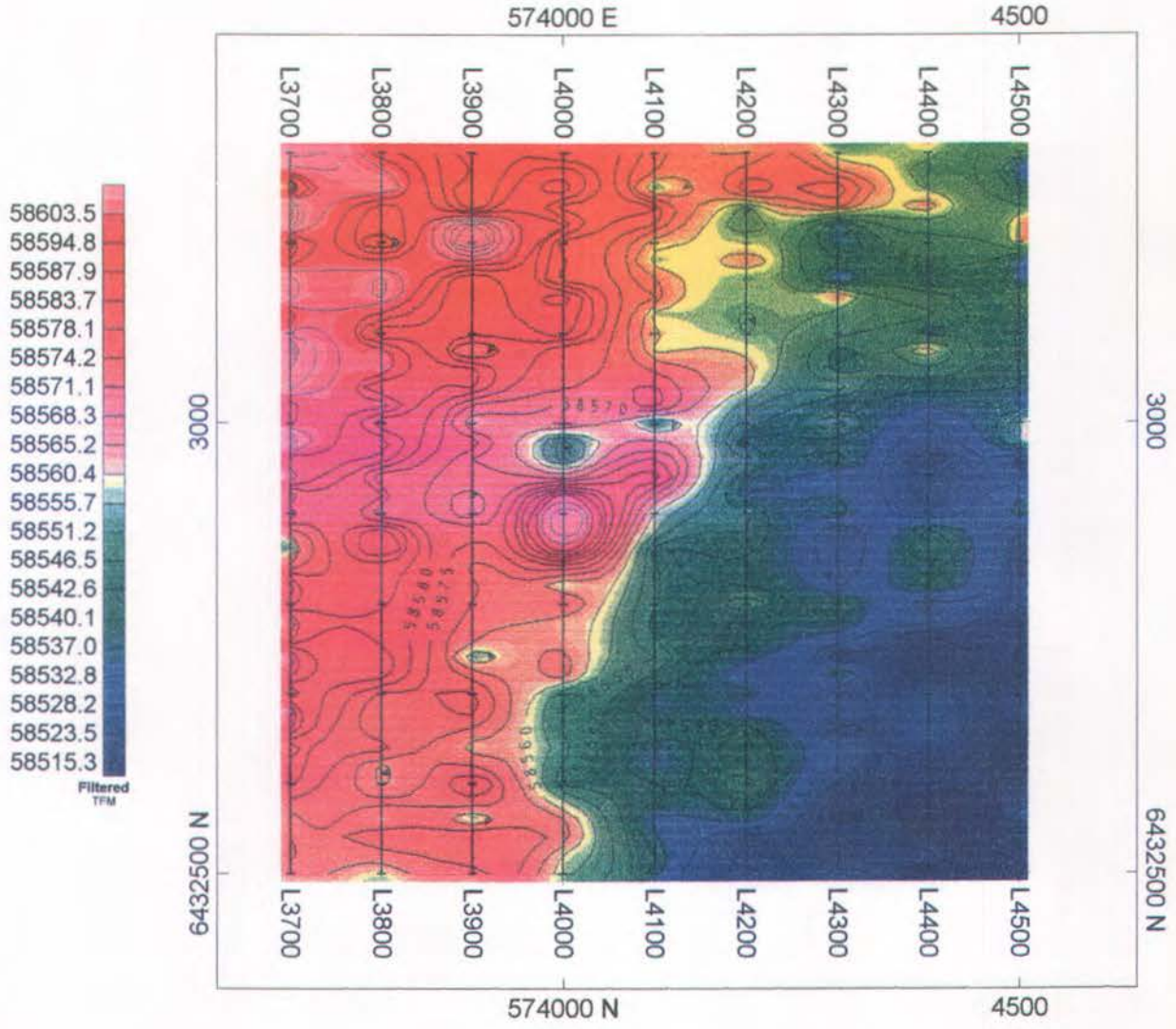
(meters)

NEW CLAYMORE RESOURCES LTD.

GOLDEN BLOCK

FIGURE 18
ITS PROSPECT - GRID M
GROUND MAGNETOMETER SURVEY
TOTAL MAGNETIC FIELD CONTOURS

September, 1999



SYMBOLS

Isomagnetic contour
contour interval 5 nT

100 0.0 100 200

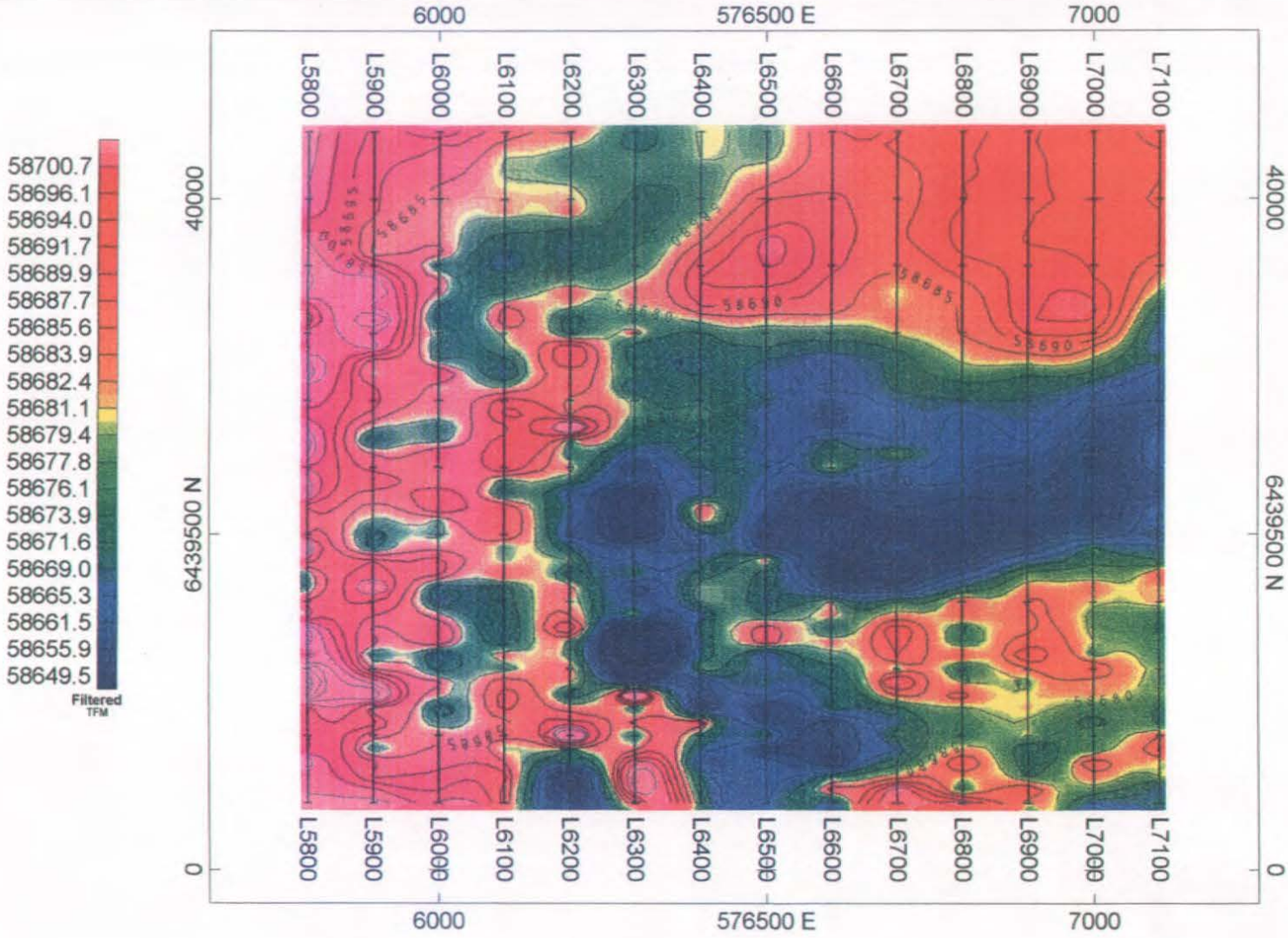
(meters)

NEW CLAYMORE RESOURCES LTD.

GOLDEN BLOCK

FIGURE 19
ITS PROSPECT - GRID N
GROUND MAGNETOMETER SURVEY
TOTAL MAGNETIC FIELD CONTOURS

September, 1999



100 0.0 100 200 300

(meters)

SYMBOLS

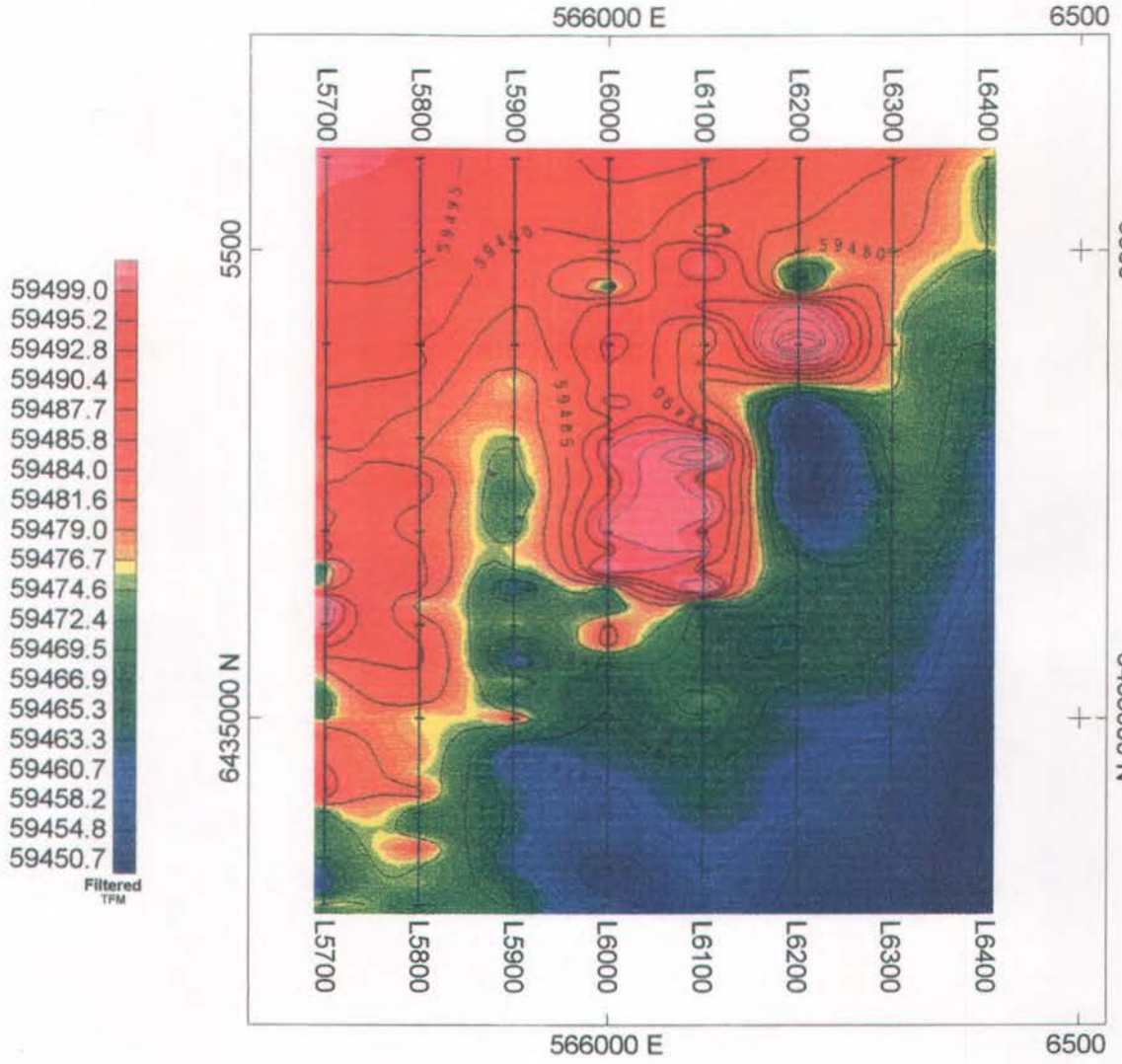
Isomagnetic contour
contour interval 5 nT

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GOLDEN BLOCK

FIGURE 20
ITS PROSPECT - GRID O
GROUND MAGNETOMETER SURVEY
TOTAL MAGNETIC FIELD CONTOURS

September, 1999



SYMBOLS

Isomagnetic contour
contour interval 5 nT

100 0.0 100 200

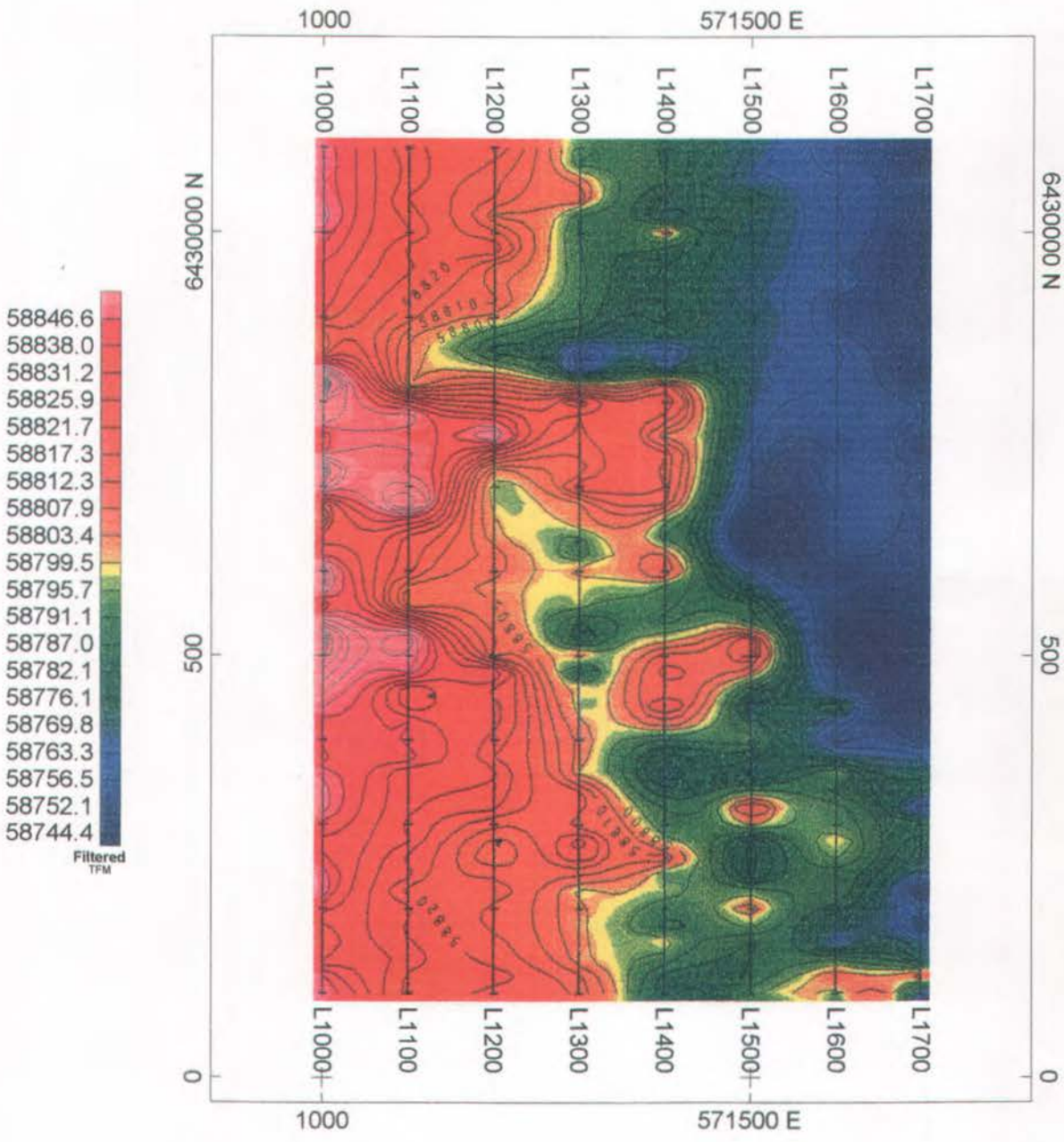
(meters)

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GOLDEN BLOCK

FIGURE 21
ITS PROSPECT - GRID P
GROUND MAGNETOMETER SURVEY
TOTAL MAGNETIC FIELD CONTOURS

September, 1999



SYMBOLS

Isomagnetic contour
contour interval 5 nT

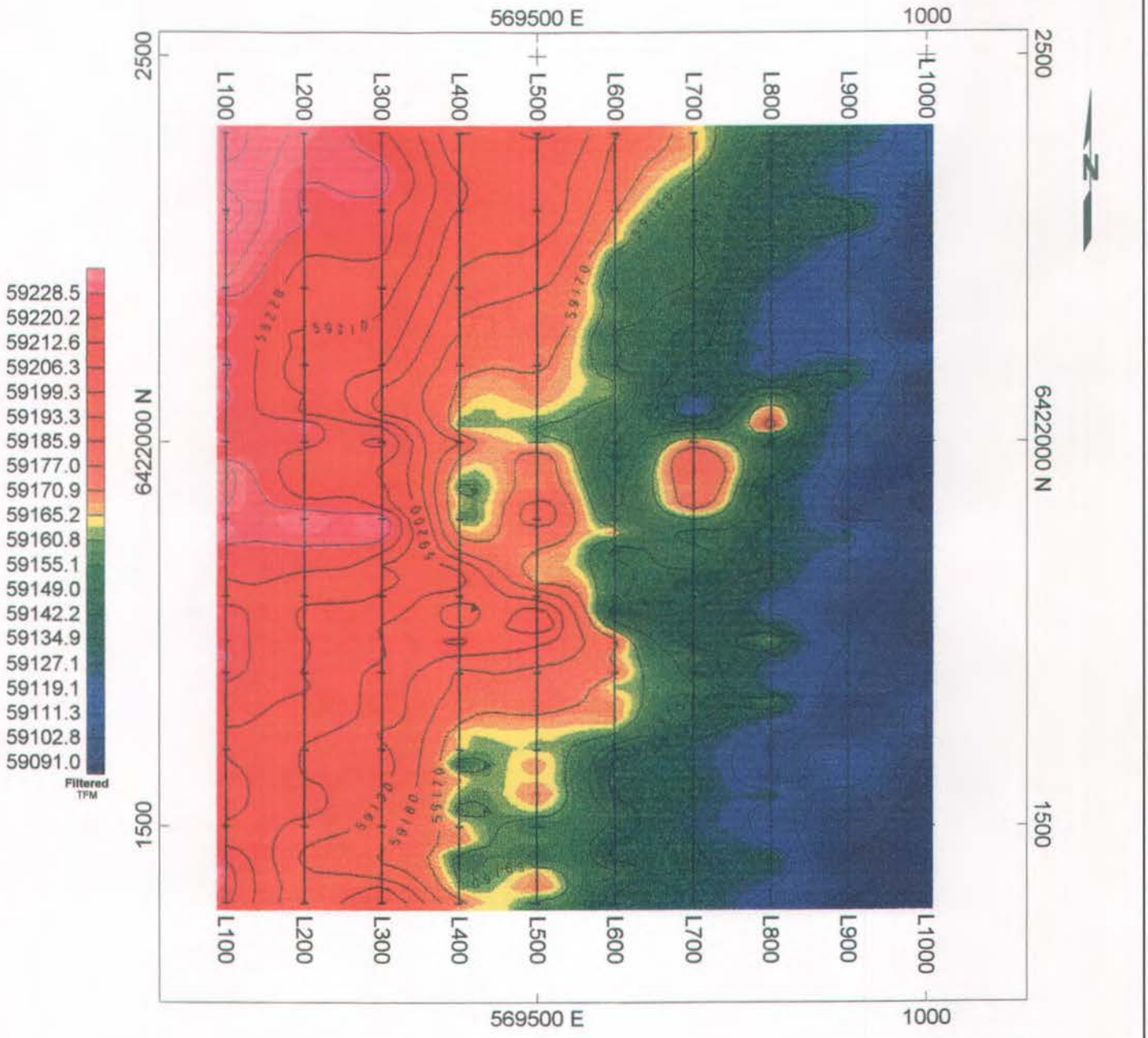
100 0.0 100 200
(meters)

NEW CLAYMORE RESOURCES LTD.

GOLDEN BLOCK

FIGURE 22
ITS PROSPECT - GRID Q
GROUND MAGNETOMETER SURVEY
TOTAL MAGNETIC FIELD CONTOURS

September, 1999



SYMBOLS

Isomagnetic contour
contour interval 10 nT

100 0.0 100 200 300

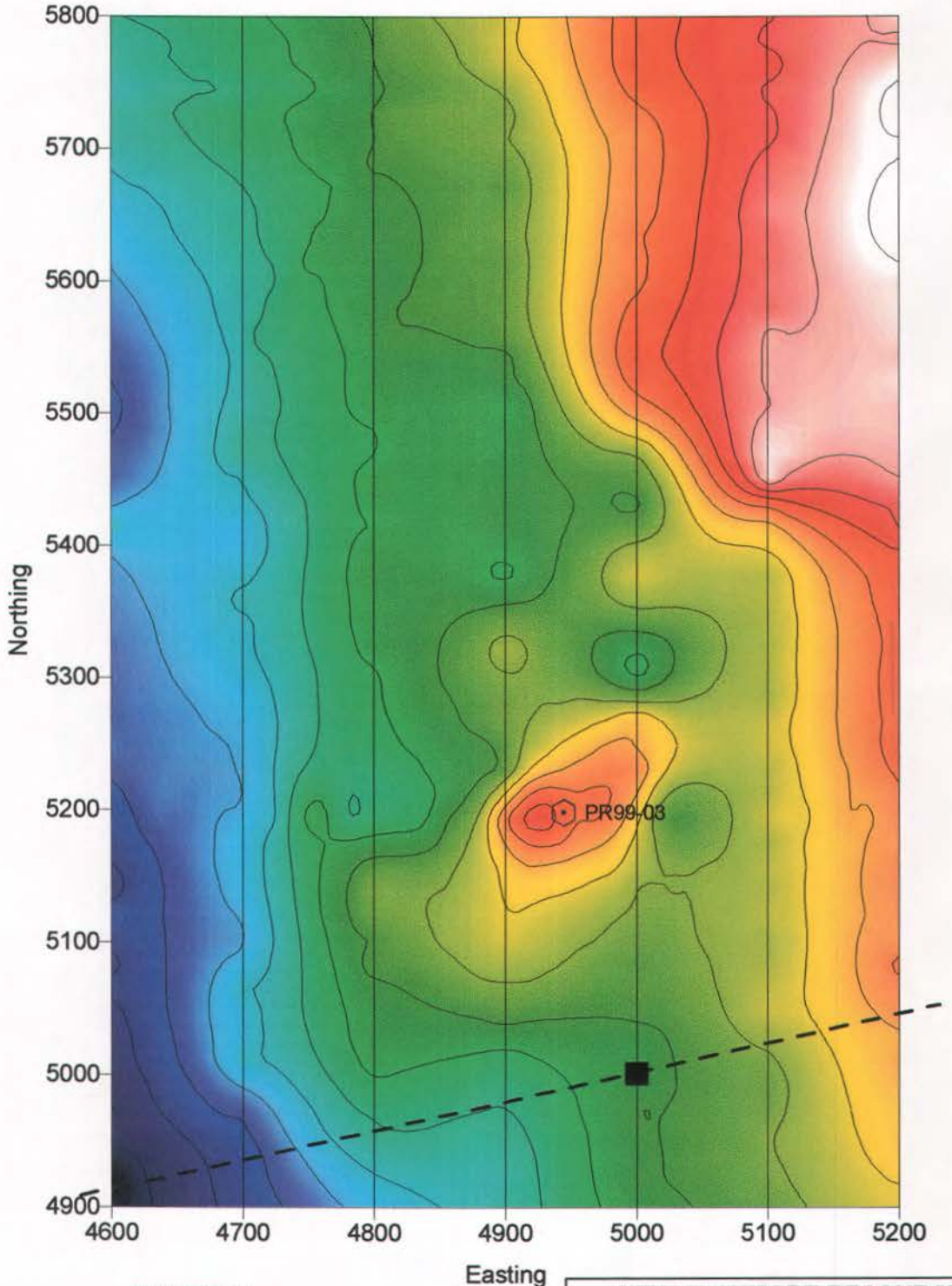
(meters)

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GOLDEN BLOCK

FIGURE 23
ITS PROSPECT - GRID R
GROUND MAGNETOMETER SURVEY
TOTAL MAGNETIC FIELD CONTOURS

September, 1999



SYMBOLS

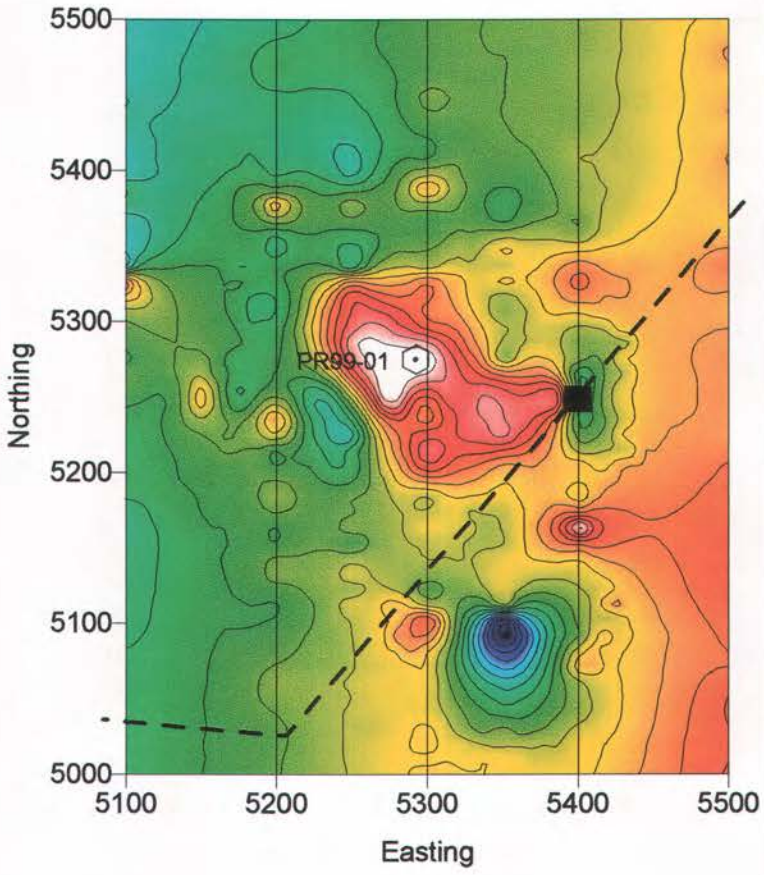
■	NAD 27 UTM co-ordinate 11U 0667000 E 6347300 N
– – – – –	Seismic line
⬭	Isomagnetic contour contour interval 5 nT
PR99-03 ⊙	Diamond drill hole; identifier

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FIGURE 24
PANNY RIVER PROSPECT - GRID A
GROUND MAGNETOMETER SURVEY
TOTAL MAGNETIC FIELD CONTOURS

Scale 0 100 200 Metres

September, 1999



SYMBOLS

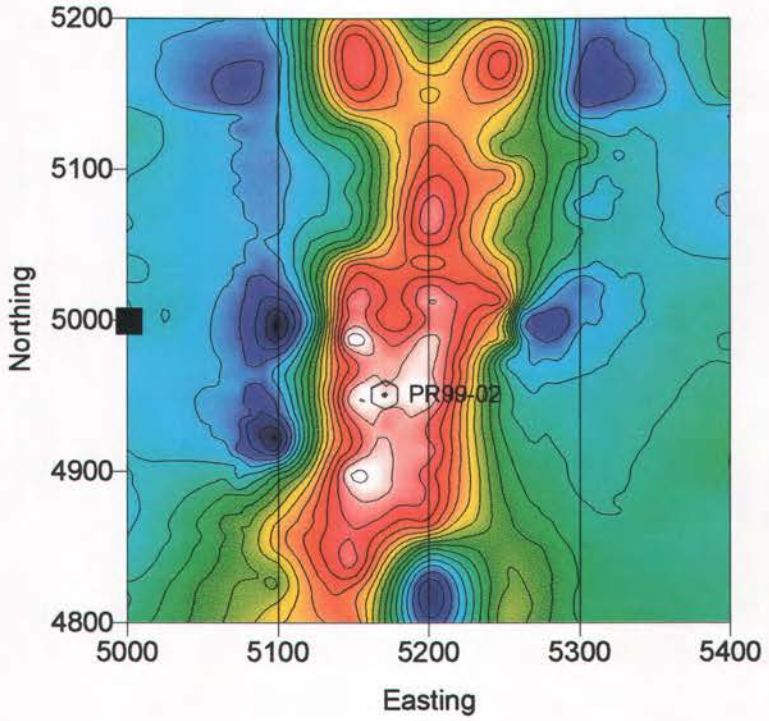
■	NAD 27 UTM co-ordinate 11U 0670790 E 6341300 N
– – – – –	Seismic line
⬭	Isomagnetic contour contour interval 5 nT
PR99-01 ⊙	Diamond drill hole; identifier

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FIGURE 25
PANNY RIVER PROSPECT - GRID B
GROUND MAGNETOMETER SURVEY
TOTAL MAGNETIC FIELD CONTOURS

Scale 0 100 200 Metres

September, 1999



SYMBOLS

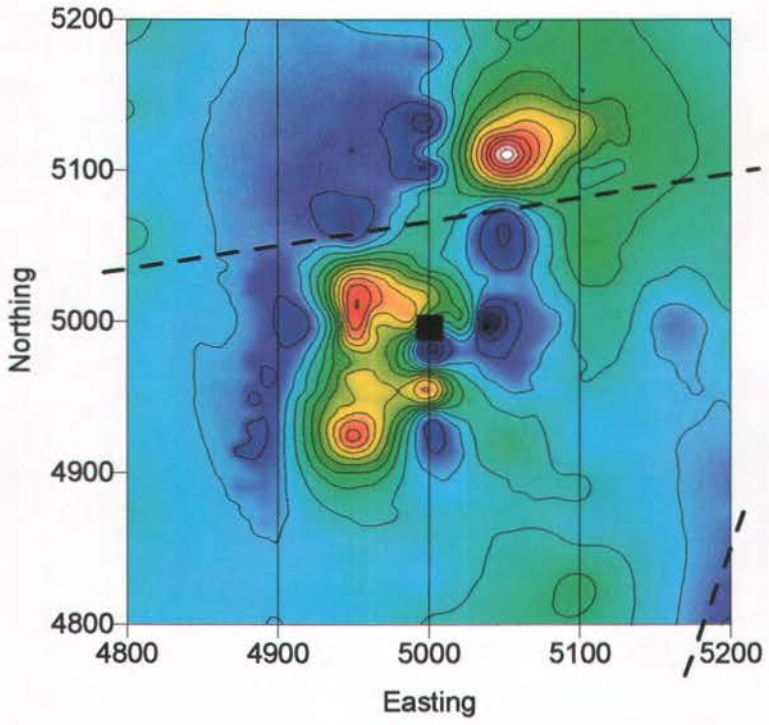
■	NAD 27 UTM co-ordinate 11U 0666820 E 6337490 N
⬭	Isomagnetic contour contour interval 10 nT
PR99-02 ⊙	Diamond drill hole; identifier

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FIGURE 26
PANNY RIVER PROSPECT - GRID C
GROUND MAGNETOMETER SURVEY
TOTAL MAGNETIC FIELD CONTOURS

Scale 0 100 200 Metres

September, 1999



SYMBOLS

■ NAD 27 UTM co-ordinate
11U 0668080 E 6335600 N

Seismic line

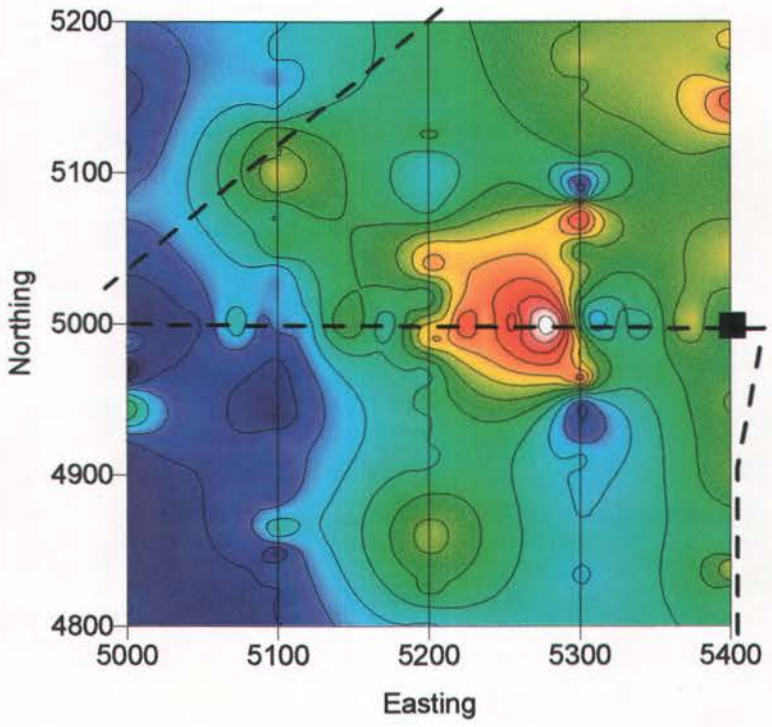
Isomagnetic contour
contour interval 10 nT

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GOLDEN BLOCK

FIGURE 27
PANNY RIVER PROSPECT - GRID D
GROUND MAGNETOMETER SURVEY
TOTAL MAGNETIC FIELD CONTOURS

Scale 0 100 200 Metres

September, 1999



SYMBOLS

NAD 27 UTM co-ordinate
11U 0671880 E 6334960 N

Seismic line

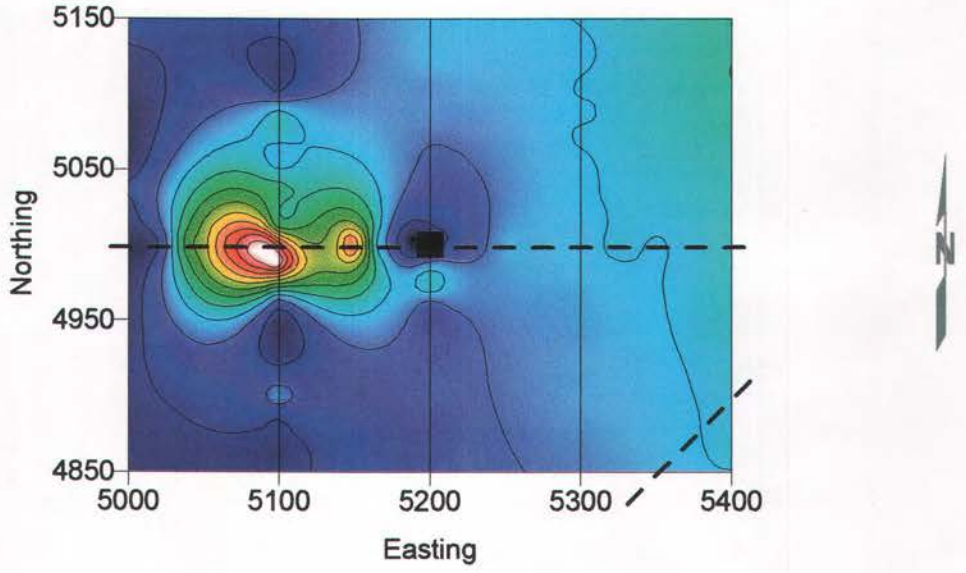
Isomagnetic contour
contour interval 5 nT

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GOLDEN BLOCK

FIGURE 28
PANNY RIVER PROSPECT - GRID E
GROUND MAGNETOMETER SURVEY
TOTAL MAGNETIC FIELD CONTOURS

Scale 0 100 200 Metres

September, 1999



SYMBOLS

NAD 27 UTM co-ordinate
11U 0661900 E 6337250 N

Seismic line

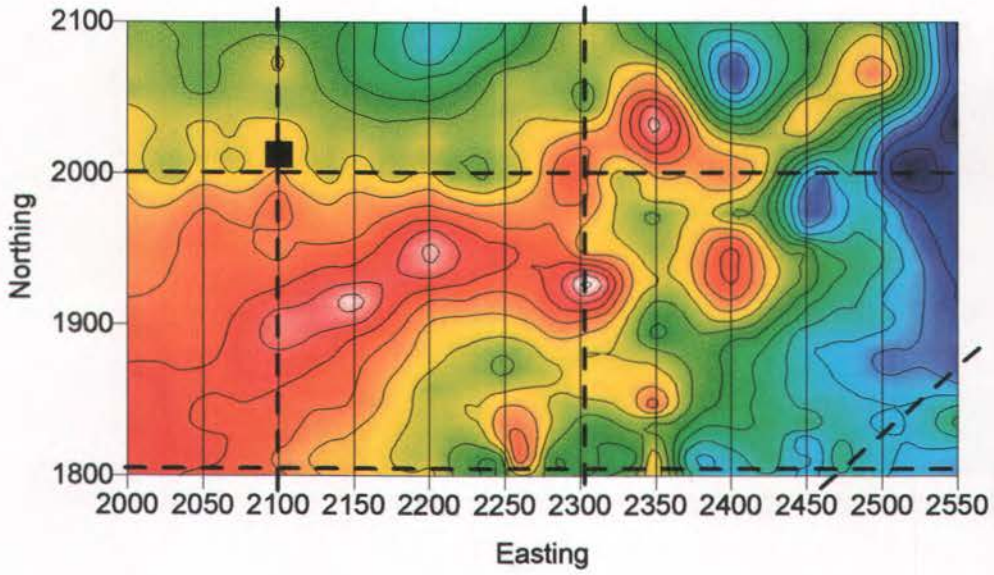
Isomagnetic contour
contour interval 10 nT

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GOLDEN BLOCK

FIGURE 29
PANNY RIVER PROSPECT - GRID F
GROUND MAGNETOMETER SURVEY
TOTAL MAGNETIC FIELD CONTOURS

Scale 0 100 200 Metres

September, 1999



SYMBOLS

NAD 27 UTM co-ordinate
11U 0662390 E 6343620 N

Seismic line

Isomagnetic contour
contour interval 5 nT

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GOLDEN BLOCK

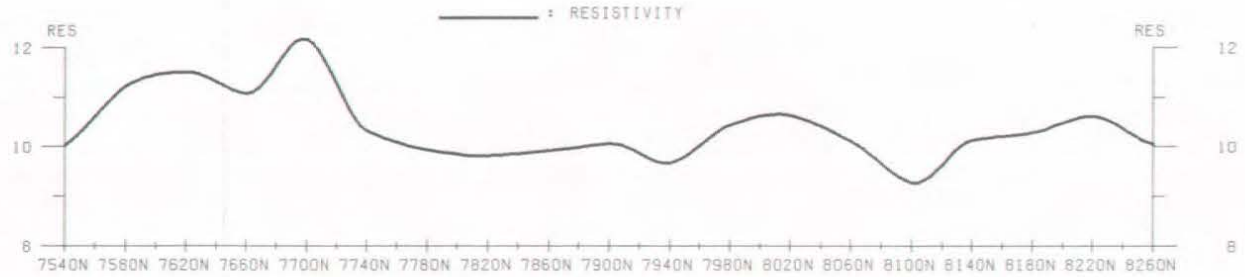
FIGURE 30
PANNY RIVER PROSPECT - GRID G
GROUND MAGNETOMETER SURVEY
TOTAL MAGNETIC FIELD CONTOURS

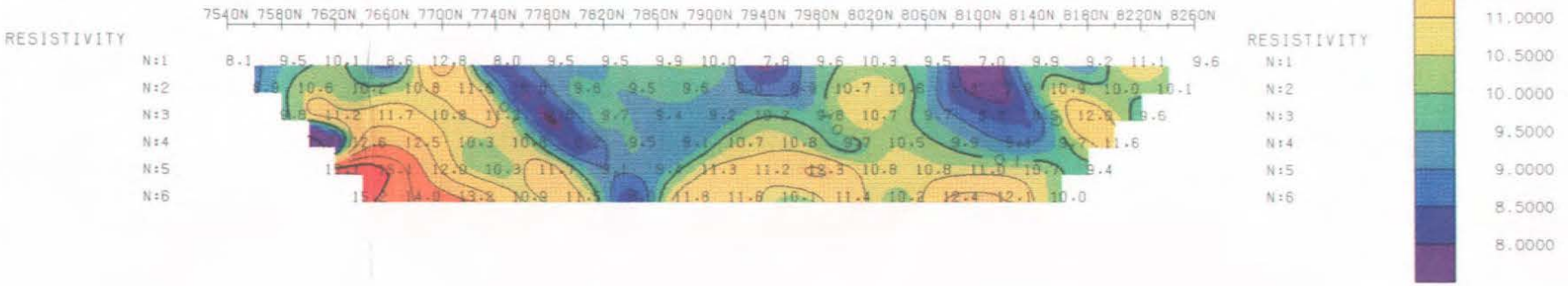
Scale 0 100 200 Metres

September, 1999

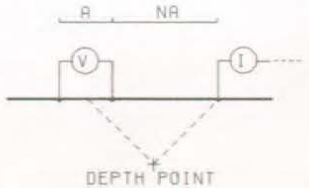
APPENDIX 3

HLEM SURVEY RESISTIVITY COLOUR CONTOUR AND INDUCED POLARIZATION PSEUDOSECTION FIGURE 31 TO FIGURE 38





POLE-DIPOLE ARRAY



N = 1, 2, 3, 4, ...

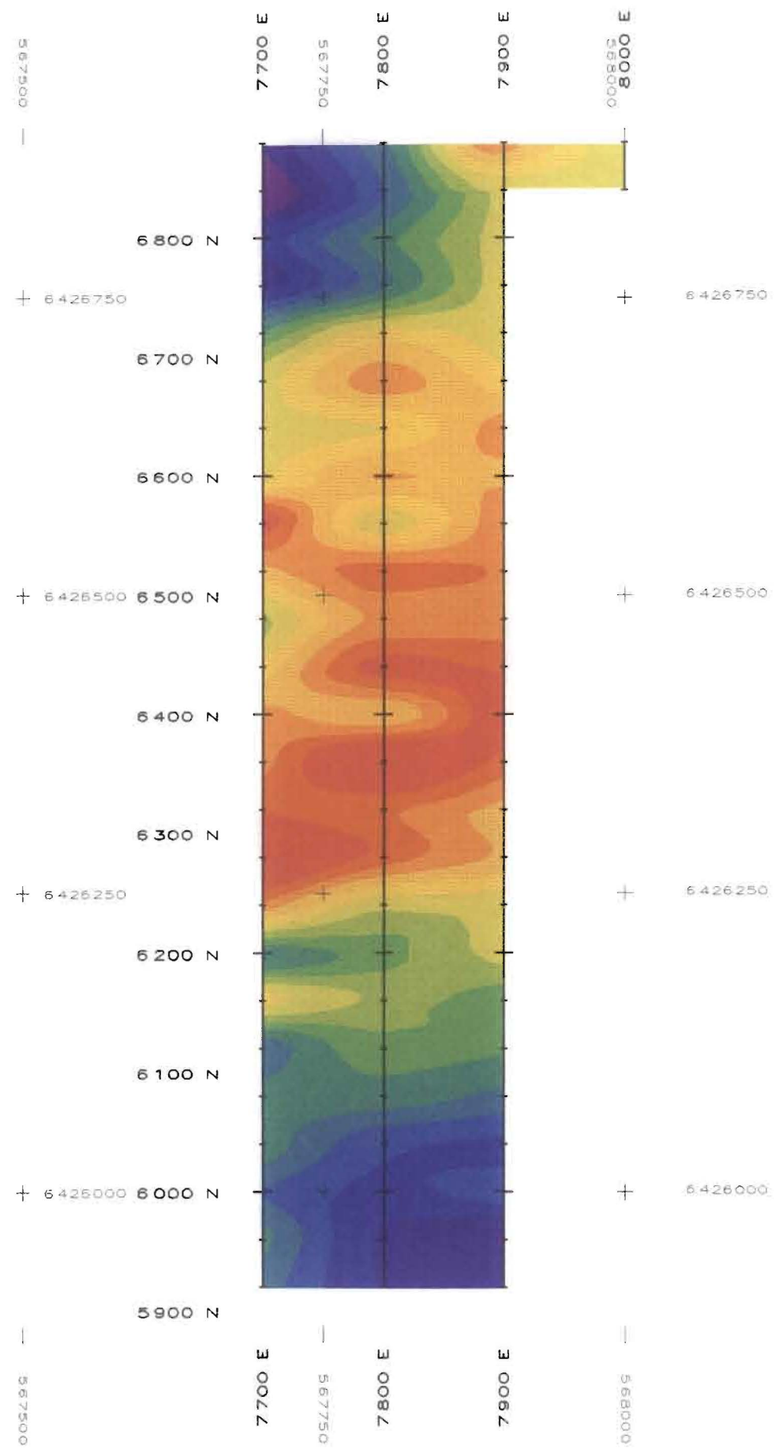
"A" SPACING = 40.0 METRES

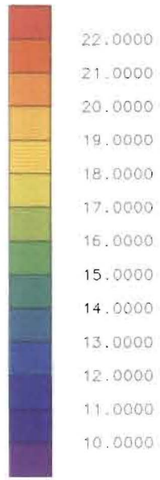
NEW CLAYMORE RESOURCES LTD.

GOLDEN BLOCK

FIGURE 31
ITS PROSPECT - GRID B
INDUCED POLARIZATION SURVEY
PSEUDOSECTION - LINE 8900 E

September, 1999





Scale in Metres

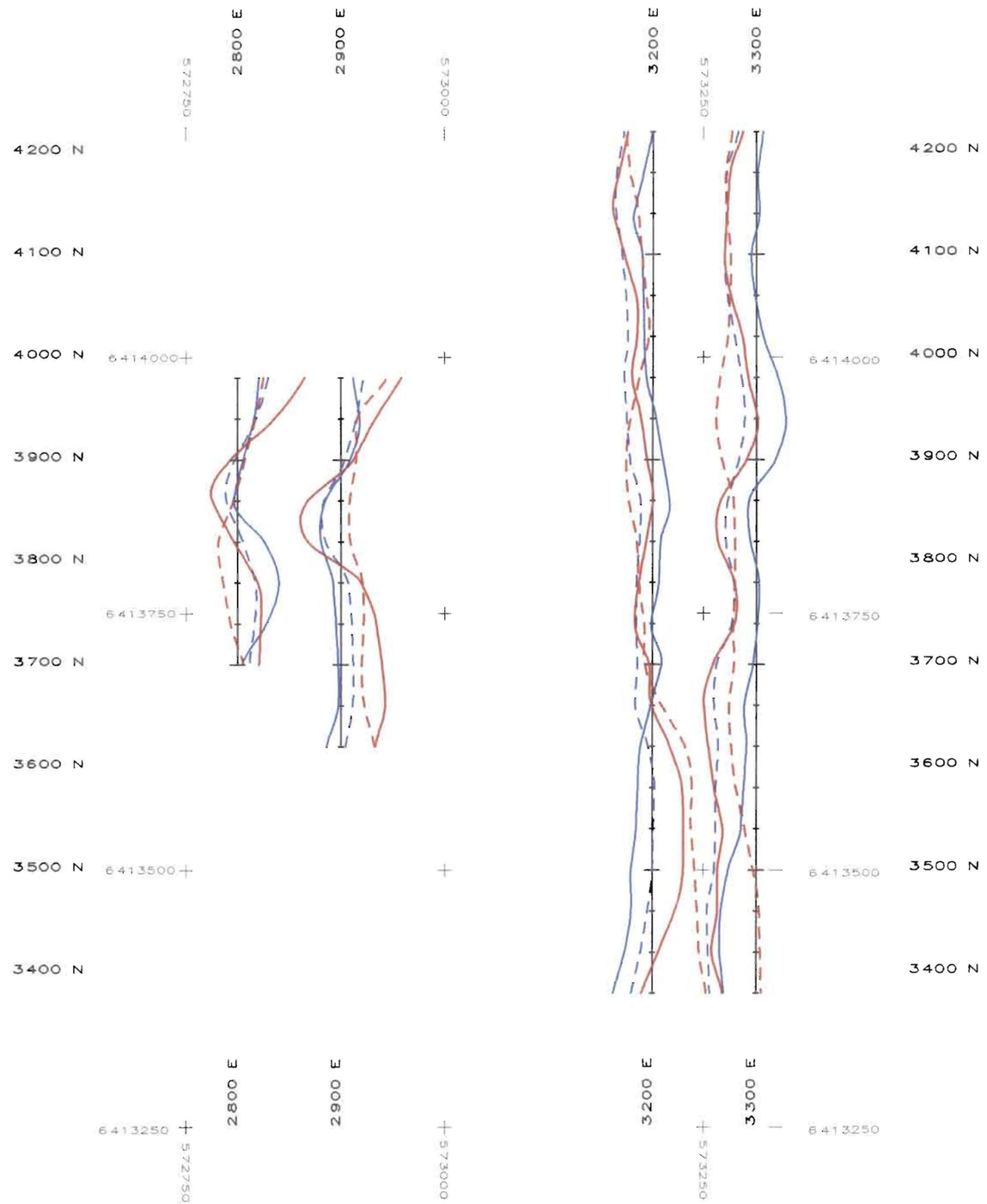
50 0 50 100 150

NEW CLAYMORE RESOURCES LTD.

GOLDEN BLOCK

FIGURE 32
ITS PROSPECT - GRID C
INDUCED POLARIZATION SURVEY
RESISTIVITY COLOUR CONTOUR

September, 1999



LEGEND

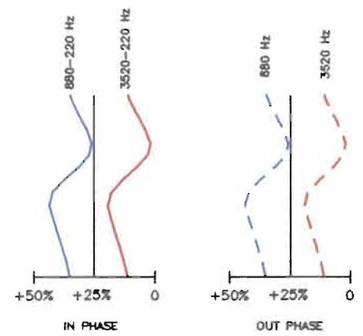
INSTRUMENTATION:

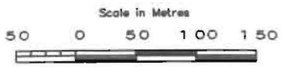
MaxMin Equipment: MMI–10 S/N 10357
Mode: Max1 (Horizontal Coplanar)
Coil Separation: 160m
Station Spacing: 40m
Frequencies (Hz): 880–220, 3520–220

Profile (In Phase)	Base Line Value (%)
880–220	–20
3520–220	–70

Profile (Out Phase)	Base Line Value (%)
880	–40
3520	–30

Profiles are positive to the left



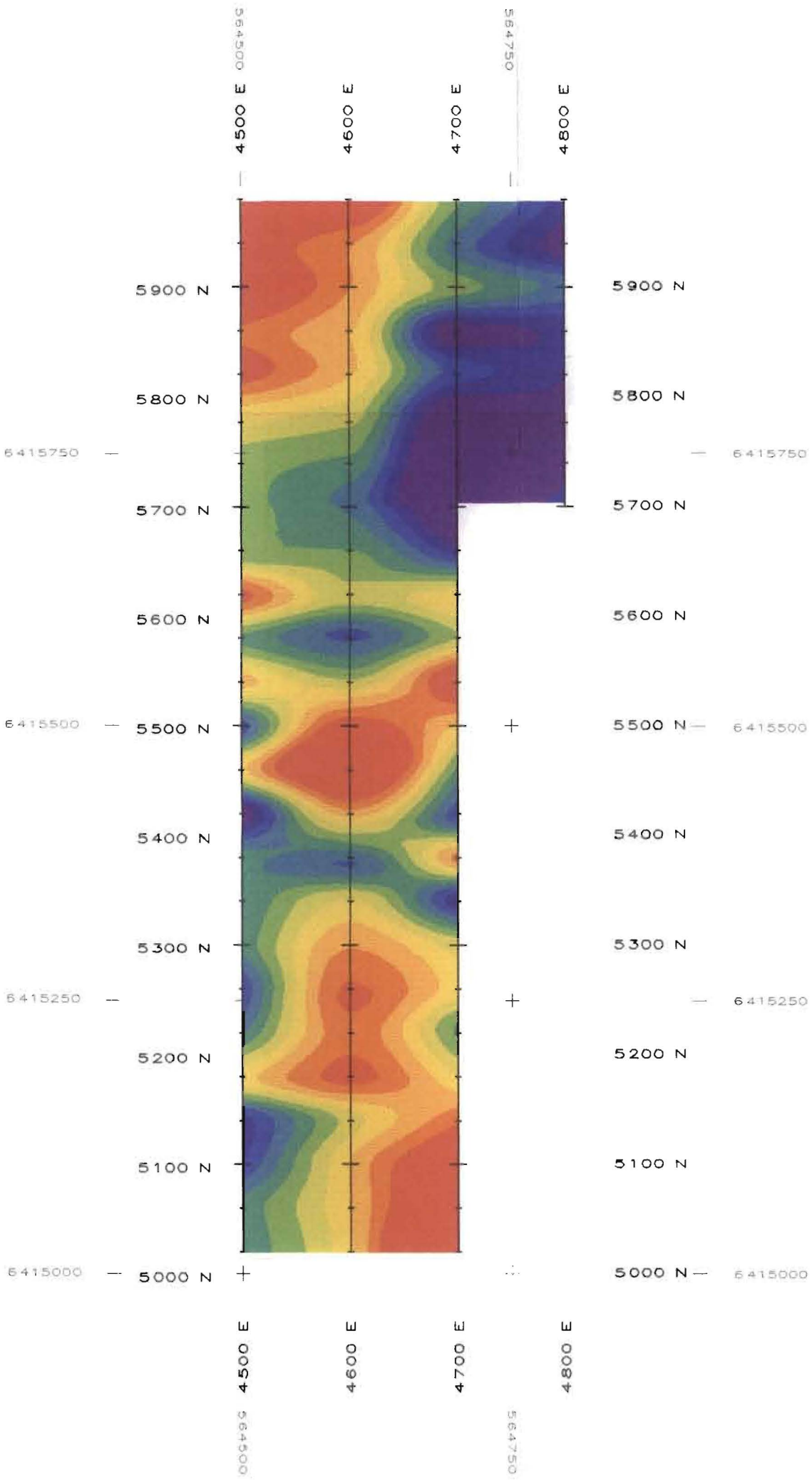


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GOLDEN BLOCK

FIGURE 33
ITS PROSPECT - GRID D
GROUND HLEM SURVEY
STACKED PROFILE MAP

September, 1999



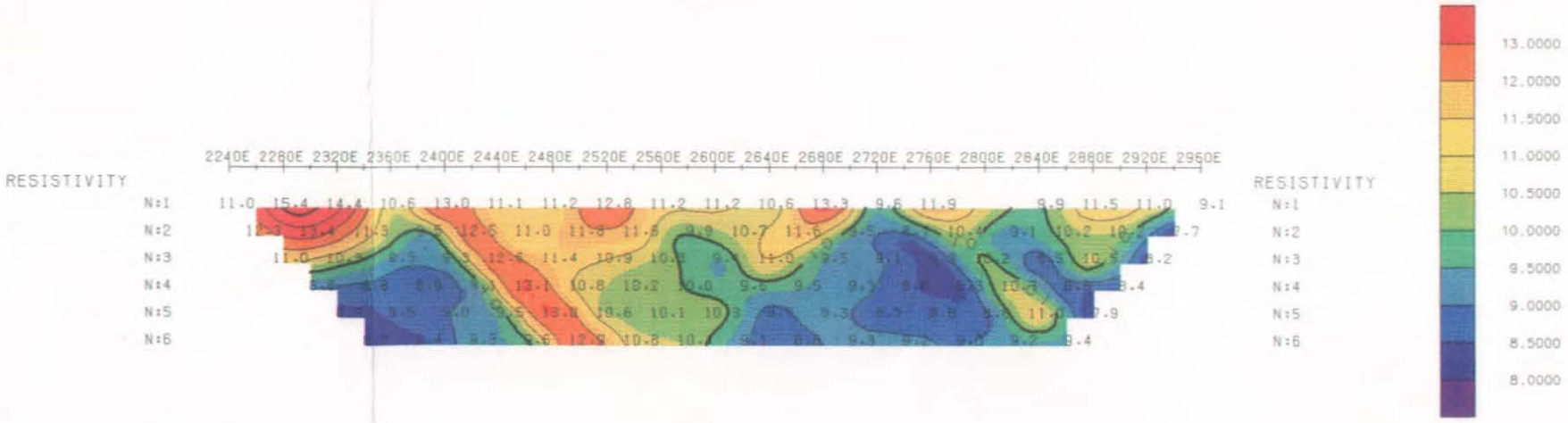
NEW CLAYMORE RESOURCES LTD.

GOLDEN BLOCK

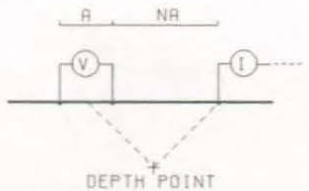
FIGURE 34
ITS PROSPECT - GRID E
INDUCED POLARIZATION SURVEY
RESISTIVITY COLOUR CONTOUR

September, 1999





POLE-DIPOLE ARRAY



N = 1, 2, 3, 4, ...

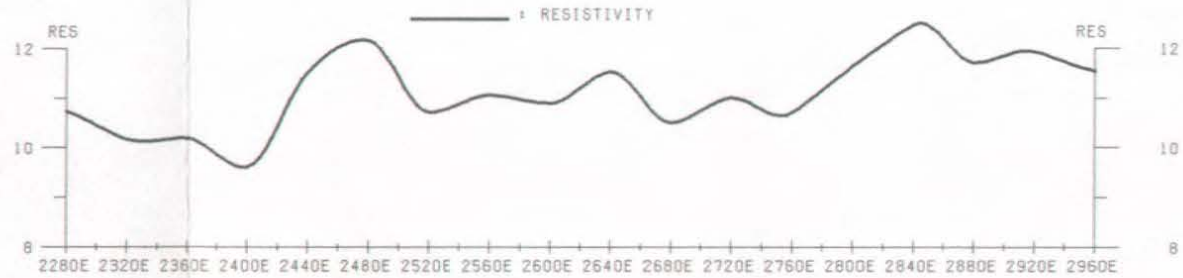
"A" SPACING = 40.0 METRES

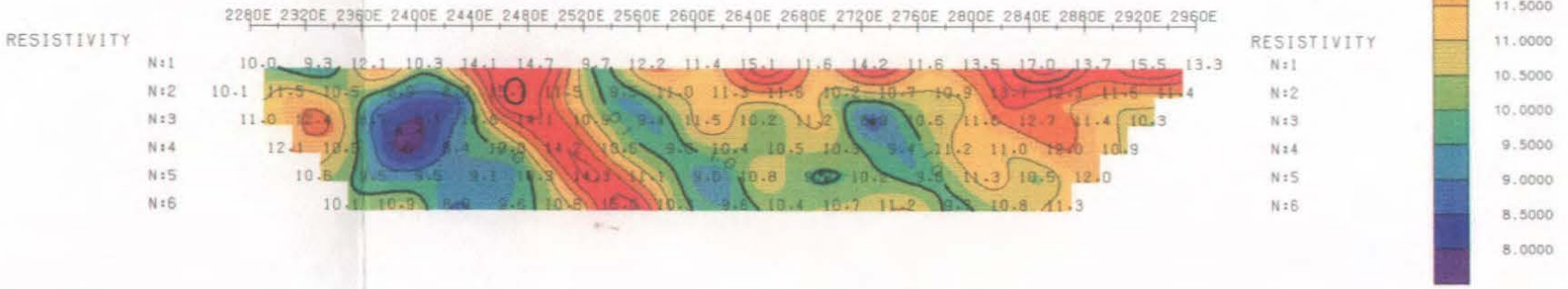
NEW CLAYMORE RESOURCES LTD.

GOLDEN BLOCK

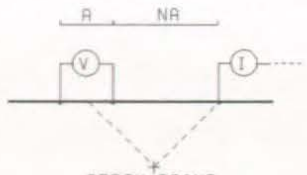
FIGURE 35A
ITS PROSPECT - GRID J
INDUCED POLARIZATION SURVEY
PSEUDOSECTION - LINE 1500 N

September, 1999





POLE-DIPOLE ARRAY



N = 1, 2, 3, 4, ...

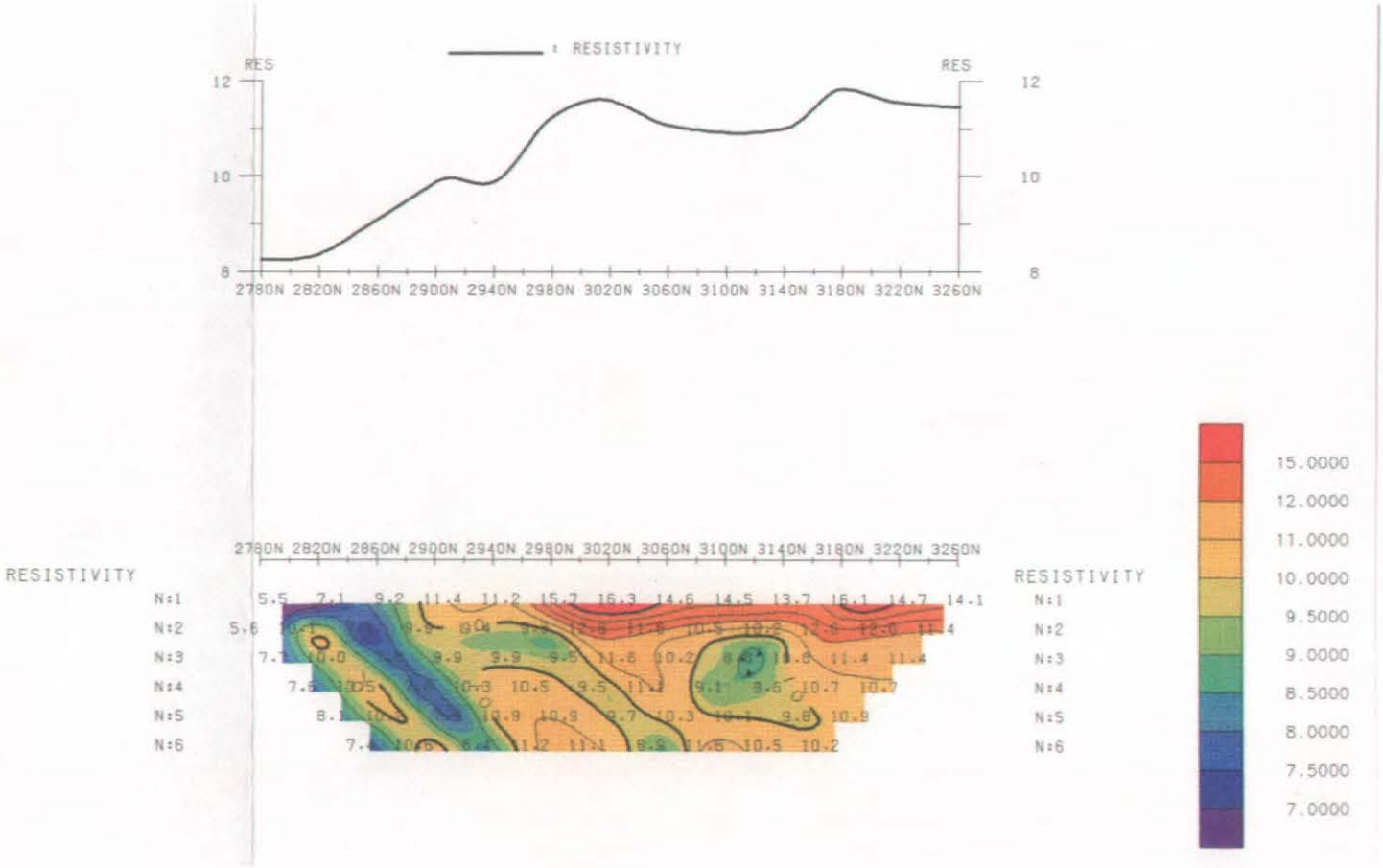
"A" SPACING = 40.0 METRES

NEW CLAYMORE RESOURCES LTD.

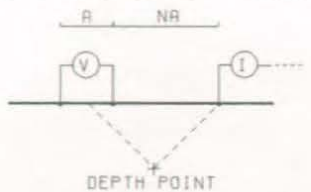
GOLDEN BLOCK

FIGURE 35B
ITS PROSPECT - GRID J
INDUCED POLARIZATION SURVEY
PSEUDOSECTION - LINE 1600 N

September, 1999



POLE-DIPOLE ARRAY



N = 1, 2, 3, 4, ...

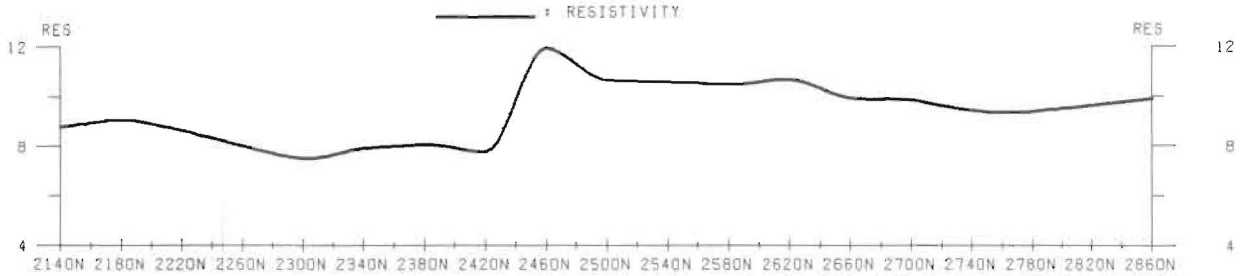
"A" SPACING = 40.0 METRES

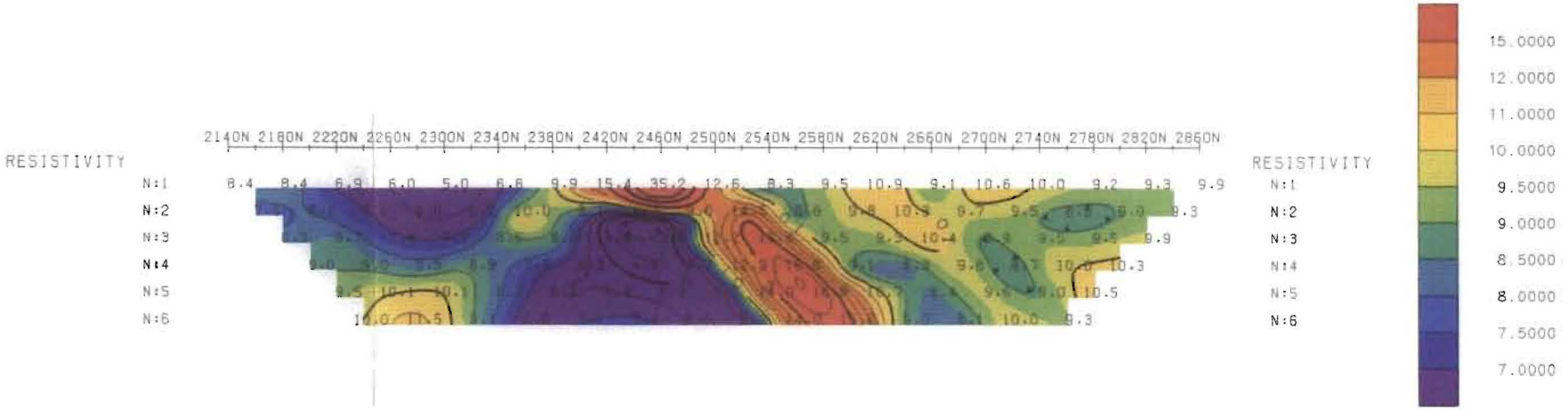
NEW CLAYMORE RESOURCES LTD.

GOLDEN BLOCK

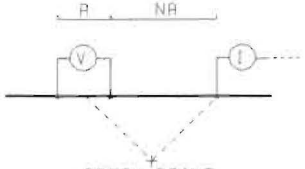
FIGURE 36A
ITS PROSPECT - GRID K
INDUCED POLARIZATION SURVEY
PSEUDOSECTION - LINE 1300 E

September, 1999





POLE-DIPOLE ARRAY



N = 1, 2, 3, 4, ...

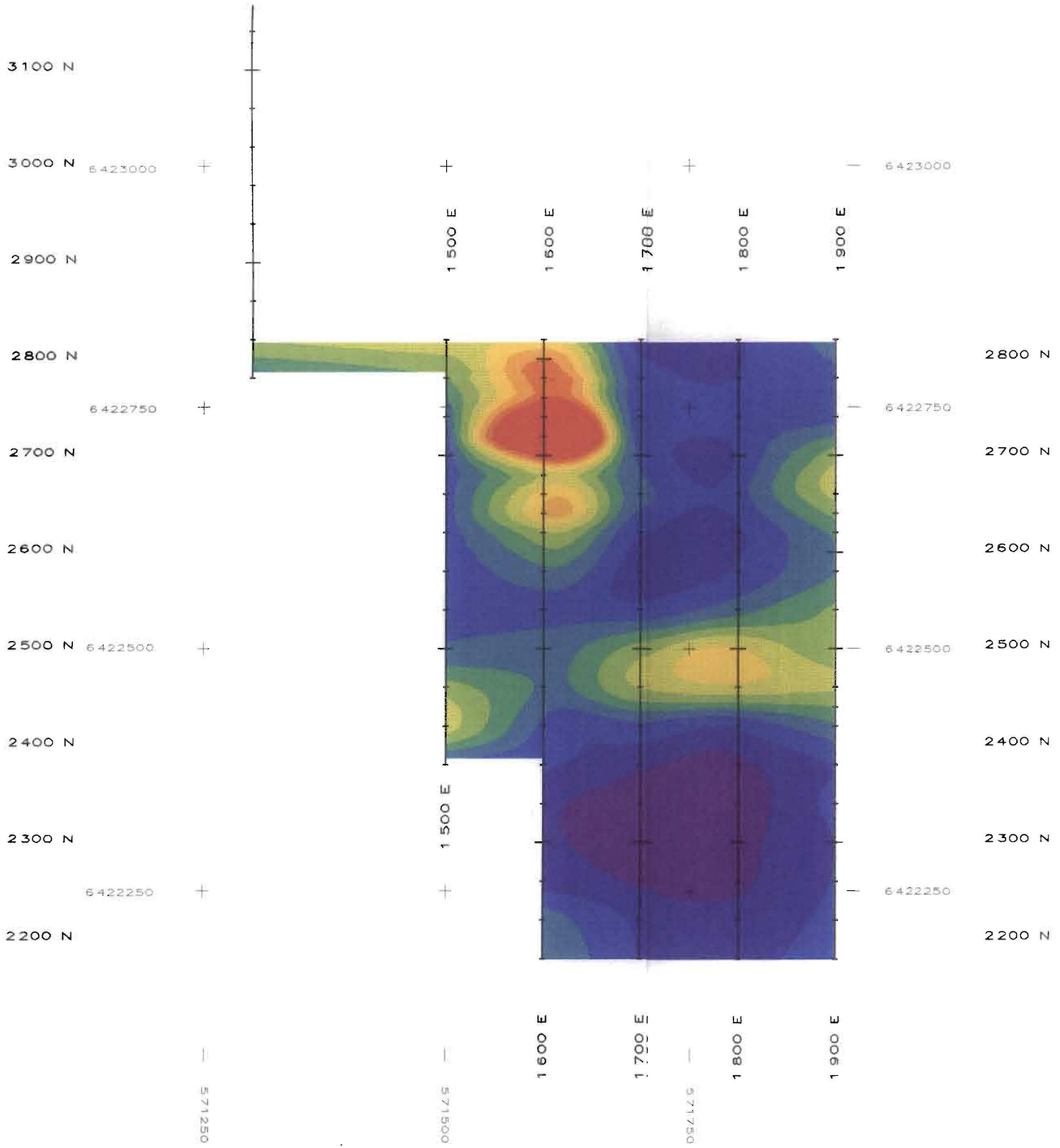
"A" SPACING = 40.0 METRES

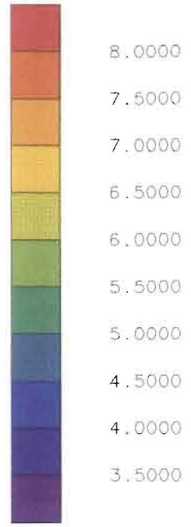
NEW CLAYMORE RESOURCES LTD.

GOLDEN BLOCK

FIGURE 36B
ITS PROSPECT - GRID K
INDUCED POLARIZATION SURVEY
PSEUDOSECTION - LINE 1700 E

September, 1999





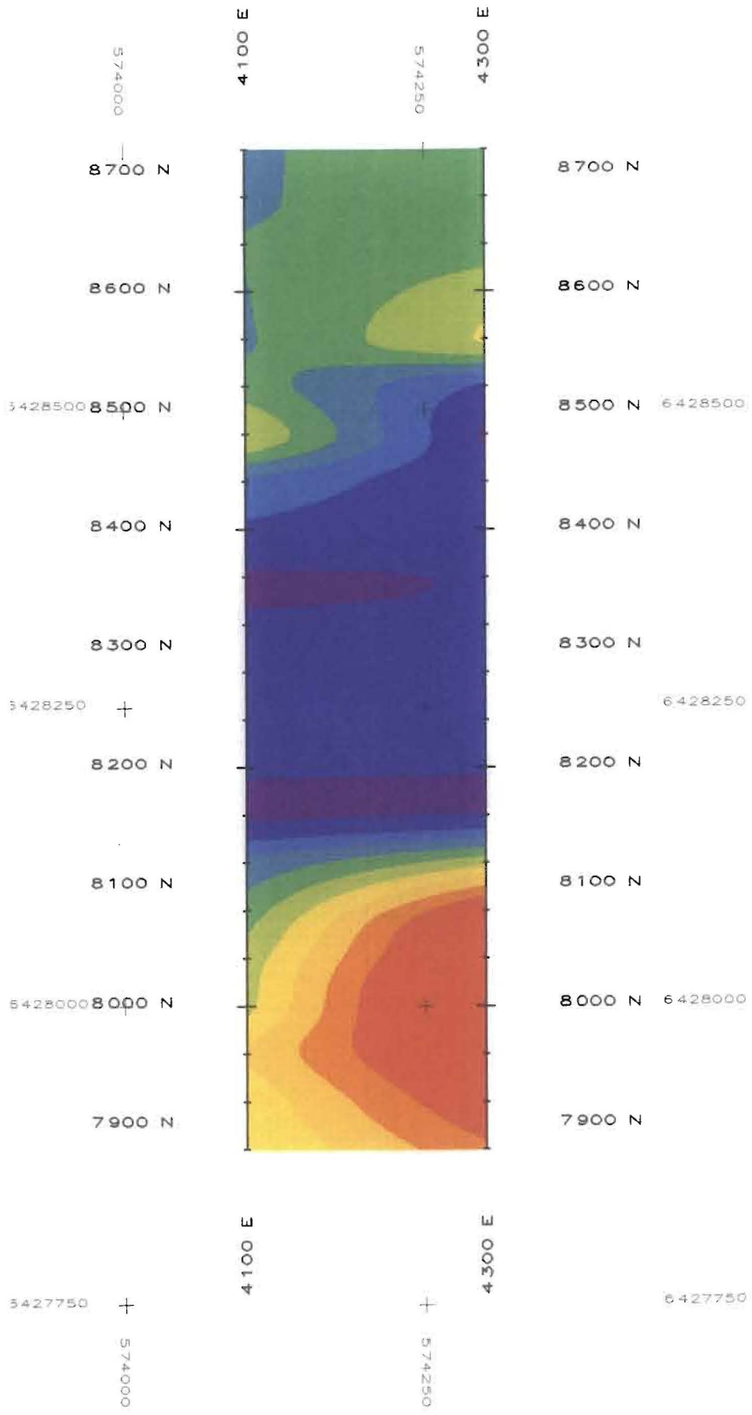
Scale in Metres
50 0 50 100 150

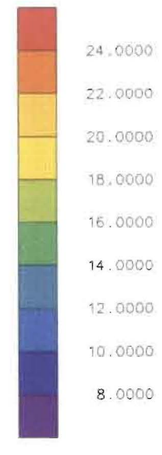
NEW CLAYMORE RESOURCES LTD.

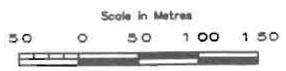
GOLDEN BLOCK

FIGURE 36C
ITS PROSPECT - GRID K
GROUND HLEM SURVEY
RESISTIVITY COLOUR CONTOUR

September, 1999





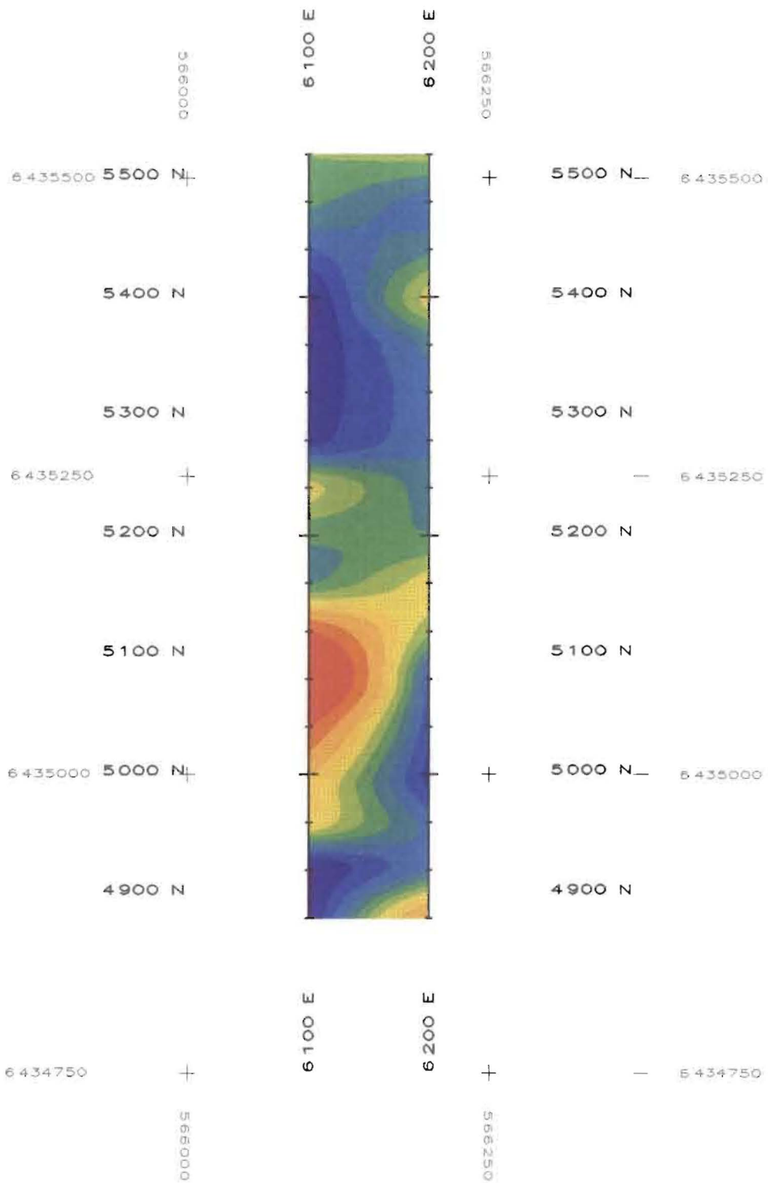


NEW CLAYMORE RESOURCES LTD.

GOLDEN BLOCK

FIGURE 37
ITS PROSPECT - GRID M
GROUND HLEM SURVEY
RESISTIVITY COLOUR CONTOUR

September, 1999



NEW CLAYMORE RESOURCES LTD.

GOLDEN BLOCK

FIGURE 38
ITS PROSPECT - GRID P
GROUND HLEM SURVEY
RESISTIVITY COLOUR CONTOUR

September, 1999

APPENDIX 4

DRILLING RECORD AND LITHOLOGIC DESCRIPTION

APPENDIX 4
DRILLING RECORD AND LITHOLOGIC DESCRIPTION

PROSPECT	ITS	HOLE NUMBER	ITS98-E4		Page 1 of 1
LOCATION		DESCRIPTION		DATE	
Permit Number:	9397050137	Hole Depth:	106.68 m	Started:	June 25 / 98
LLD:	4-28-102-12-W5	Inclination:	-90	Completed:	June 26 / 98
UTM:	564790 E 6415500 N	Azimuth:	n/a	Logged By:	Peter Thiersch / Todd Faragher
Grid:	Grid E - west half	Core Size:	NQ	DIP TEST	
Elevation:	790 m	Floor Height:	n/a	Type:	n/a
		Stick-up:	n/a	Depth:	n/a
CONTRACTOR	J.T. Thomas	Casing:	10.97 m	Angle:	n/a

Interval (m)	Description	Alteration	Mineralization	Sample Number
0 - 10.97	casing			
10.97 - 12.19	red and black banded granitic cobbles			
12.19 - 54.86	mudstone, grey, silty, poorly lithified, massive with sand layers to 75 cm thick, micaceous,		diss py	ITS98-E4-R01
	indurated black fossiliferous limestone clasts with pyrite disseminations and white calcite			
	veinlets			
54.86 - 106.68	shale, grey-black, silty, thin laminations 090 to CA, rare fish scale on parting surfaces,		py balls	ITS98-E4-R02
	upper contact sharp 090 to CA, calcareous ironstone concretions to 5 cm thick scattered			
	87.17-101.19: sand, grey, medium- to coarse-grained, micaceous, weak cross-bedding			
	020 to CA, locally calcite indurated, abundant carbonaceous debris			
106.68	EOH			

APPENDIX 4 (continued)
DRILLING RECORD AND LITHOLOGIC DESCRIPTION

PROSPECT	ITS	HOLE NUMBER	ITS98-M		Page 1 of 1
LOCATION		DESCRIPTION		DATE	
Permit Number:	9397090020	Hole Depth:	88.39 m	Started:	June 23 / 98
LLD:	4-1-104-11-W5	Inclination:	-50	Completed:	June 25 / 98
UTM:	574155 E 6428470 N	Azimuth:	160	Logged By:	Peter Thiersch / Todd Faragher
Grid:	Grid M	Core Size:	NQ	DIP TEST	
Elevation:	320 m	Floor Height:	n/a	Type:	n/a
		Stick-up:	n/a	Depth:	n/a
CONTRACTOR	J.T. Thomas	Casing:	15.24 m	Angle:	n/a

Interval (m)	Description	Alteration	Mineralization	Sample Number
0 - 15.24	casing			
15.24 - 45.72	sand, brown, fine- to medium-grained, unconsolidated, locally limonitic			
45.72 - 51.82	till, rounded granitic cobbles and small subangular granitic and quartzite clasts within			
	compact sandy clay			
51.82 - 88.39	shale, grey, bioturbated, massive to blocky 040 and 060 to CA, silty, locally indurated			
	with dark grey calcareous cemented sand to 6 cm thick, rare white fossil shell fragment			
88.39	EOH			

APPENDIX 4 (continued)
DRILLING RECORD AND LITHOLOGIC DESCRIPTION

PROSPECT	ITS	HOLE NUMBER	ITS98-M2a		Page 1 of 1
LOCATION		DESCRIPTION		DATE	
Permit Number:	9397050148	Hole Depth:	97.54 m	Started:	June 22 / 98
LLD:	6-17-103-11-W5	Inclination:	-70	Completed:	June 23 / 98
UTM:	571750 E 6422500 N	Azimuth:	180	Logged By:	Peter Thiersch / Todd Faragher
Grid:	Grid K	Core Size:	NQ	DIP TEST	
Elevation:	360 m	Floor Height:	n/a	Type:	n/a
		Stick-up:	n/a	Depth:	n/a
CONTRACTOR	J.T.Thomas	Casing:	18.29 m	Angle:	n/a

Interval (m)	Description	Alteration	Mineralization	Sample Number
0 - 18.29	casing			
18.29 - 21.34	shale, red, massive, vuggy			
21.34 - 48.77	mudstone, orange, small angular red shale fragments within hard mudstone matrix			
48.77 - 54.86	conglomerate, grey/orange, subangular mudstone, granitic, and quartzite clasts in muddy			
	calcareous matrix, clast supported, poorly sorted			
54.86 - 60.96	gravel, rounded granitic and quartzite cobbles in medium-grained sand martix			
60.96 - 97.54	shale, grey, bioturbated, massive to blocky, silty, rare fish scale on parting surfaces,			
	abundant pink/white fossil shell debris, ironstone concretions to 18 cm thick throughout			
	73.45: bentonite, blue/white, waxy, 5 cm thick			ITS98-M2a-R01
	77.72: bentonite, as at 73.45 m, 1 cm thick			
97.54	EOH			

APPENDIX 4 (continued)
DRILLING RECORD AND LITHOLOGIC DESCRIPTION

PROSPECT	ITS	HOLE NUMBER	ITS98-M2b		Page 1 of 1
LOCATION		DESCRIPTION		DATE	
Permit Number:	9397050148	Hole Depth:	27.43 m	Started:	June 21 / 98
LLD:	6-17-103-11-W5	Inclination:	-90	Completed:	June 21 / 98
UTM:	571750 E 6422500 N	Azimuth:	n/a	Logged By:	Peter Thiersch / Todd Faragher
Grid:	Grid K	Core Size:	NQ	DIP TEST	
Elevation:	360 m	Floor Height:	n/a	Type:	n/a
		Stick-up:	n/a	Depth:	n/a
CONTRACTOR	J.T. Thomas	Casing:	5.49 m	Angle:	n/a

Interval (m)	Description	Alteration	Mineralization	Sample Number
0 - 5.49	casing			
5.49 - 16.76	shale, brick red, fissile, small angular pieces within mud matrix, locally indurated and			ITS98-M2b-R01
	weakly laminated			
	10.67: shale, brown/grey, thinly laminated, abundant fish scales on parting surfaces			
16.76 - 27.43	shale, brick red, thinly laminated, core broken into small angular pieces			
27.43	EOH			

APPENDIX 4 (continued)
DRILLING RECORD AND LITHOLOGIC DESCRIPTION

PROSPECT	ITS	HOLE NUMBER	ITS98-N4		Page 1 of 1
LOCATION		DESCRIPTION		DATE	
Permit Number:	9397050148	Hole Depth:	51.81 m	Started:	June 19 / 98
LLD:	15-8-103-11-W5	Inclination:	-90	Completed:	June 20 / 98
UTM:	572510 E 6421490 N	Azimuth:	n/a	Logged By:	Peter Thiersch / Todd Faragher
Grid:	Grid J	Core Size:	NQ	DIP TEST	
Elevation:	510 m	Floor Height:	n/a	Type:	n/a
		Stick-up:	n/a	Depth:	n/a
CONTRACTOR	J.T. Thomas	Casing:	15.24 m	Angle:	n/a

Interval (m)	Description	Alteration	Mineralization	Sample Number
0 - 15.24	casing			
15.24 - 18.29	mud, grey/black, sandy			
18.29 - 27.43	no core recovered			
27.43 - 34.14	shale, grey, bioturbated, massive to blocky, thin sand layers and lenses, fine disseminated		diss py	ITS98-N4-R01
	pyrite throughout and rare pyrite nodules			
	30.48: ironstone concretion, tan, calcareous, indurated, 12 cm thick			
34.14 - 51.81	shale, grey/black, poker chip laminations, abundant fish scales on planar surfaces, rare			
	white fossil shell fragments			
51.81	EOH			

APPENDIX 4 (continued)
DRILLING RECORD AND LITHOLOGIC DESCRIPTION

PROSPECT	ITS	HOLE NUMBER	ITS98-W3		Page 1 of 1
LOCATION		DESCRIPTION		DATE	
Permit Number:	9397050148	Hole Depth:	76.20 m	Started:	June 26 / 98
LLD:	12-12-103-11-W5	Inclination:	-90	Completed:	June 27 / 98
UTM:	578000 E 6421410 N	Azimuth:	n/a	Logged By:	Peter Thiersch / Todd Faragher
Grid:	airborne anomaly	Core Size:	NQ	DIP TEST	
Elevation:	420 m	Floor Height:	n/a	Type:	n/a
		Stick-up:	n/a	Depth:	n/a
CONTRACTOR	J.T. Thomas	Casing:	12.19 m	Angle:	n/a

Interval (m)	Description	Alteration	Mineralization	Sample Number
0 - 12.19	casing			
12.19 - 27.43	no core recovered			
27.43 - 45.72	granitic and quartzite cobbles, minor mud, poor core recovery			
45.72 - 76.20	shale, grey, bioturbated, massive, rare fish scale on planar surfaces, abundant white/pink			
	fossil shell fragments throughout, grey/blue waxy bentonite layers 2 cm thick at			
	70.10 m and 71.12 m			
76.20	EOH			

APPENDIX 4 (continued)
DRILLING RECORD AND LITHOLOGIC DESCRIPTION

PROSPECT	Panny River	HOLE NUMBER	PR99-01		Page 1 of 1
LOCATION		DESCRIPTION		DATE	
Permit Number:	9397050017	Hole Depth:	144.78 m	Started:	February 11, 1999
LLD:	11-25-94-2-W5	Inclination:	-90	Completed:	February 18, 1999
UTM:	670700 E 6341325 N	Azimuth:	n/a	Logged By:	Todd Faragher
Grid:	PR Grid B	Core Size:	3"	DIP TEST	
Elevation:	725 m	Floor Height:	n/a	Type:	n/a
		Stick-up:	n/a	Depth:	n/a
CONTRACTOR	Layne Christensen	Casing:	n/a	Angle:	n/a

Interval (m)	Description	Alteration	Mineralization	Sample Number
0 - 98.03	clay, grey, sandy, dense and sticky, rare thin gravel layers and granitic cobbles			PR99-01-T01
98.03 - 104.85	clay, grey, massive and dense, sandy, rare round granitic cobbles, large amount of grey			
	shale bedrock in matrix, planar breaks at 140 to CA with slickenslide on surfaces			
104.85 - 109.73	gravel, angular pea sized fragments, minor sand matrix, trace black sand			
109.73 - 144.48	shale, grey, massive to blocky, planar breaks at 5-8 cm intervals 090 to CA, rare thin sand			
	layer			
144.48	EOH			

APPENDIX 4 (continued)
DRILLING RECORD AND LITHOLOGIC DESCRIPTION

PROSPECT	Panny River	HOLE NUMBER	PR99-02		Page 1 of 1
LOCATION		DESCRIPTION		DATE	
Permit Number:	9397050017	Hole Depth:	169.77	Started:	February 19, 1999
LLD:	4-15-94-2-W5	Inclination:	-90	Completed:	February 24, 1999
UTM:	666995 E 6337440 N	Azimuth:	n/a	Logged By:	Todd Faragher
Grid:	PR Grid C	Core Size:	3"	DIP TEST	
Elevation:	650 m	Floor Height:	n/a	Type:	n/a
		Stick-up:	n/a	Depth:	n/a
CONTRACTOR	Layne Christensen	Casing:	n/a	Angle:	n/a

Interval (m)	Description	Alteration	Mineralization	Sample Number
0 - 112.78	clay, grey, sandy, dense and sticky, thin gravel layers and granitic cobbles			
112.78 - 121.31	clay, grey, massive and dense, sandy, round granitic cobbles and ironstone concretions,			
	abundant grey shale in matrix			
121.31 - 128.93	cobbles, round granitic and quartzite cobbles, minor sandy/clay matrix			
128.93 - 169.77	shale, grey, thinly laminated into 0.5 cm layers 090 to CA, thin sand layers throughout,			PR99-02-R01
	white inoceramus fossil shell fragments scattered			PR99-02-PAL01
169.77	EOH			

APPENDIX 4 (continued)
DRILLING RECORD AND LITHOLOGIC DESCRIPTION

PROSPECT	Panny River	HOLE NUMBER	PR99-03		Page 1 of 1
LOCATION		DESCRIPTION		DATE	
Permit Number:	9397050019	Hole Depth:	174.65 m	Started:	February 25, 1999
LLD:	5-15-95-2-W5	Inclination:	-90	Completed:	February 27, 1999
UTM:	666950 E 6347500 N	Azimuth:	n/a	Logged By:	Todd Faragher
Grid:	PR Grid A	Core Size:	3"	DIP TEST	
Elevation:	708 m	Floor Height:	n/a	Type:	n/a
		Stick-up:	n/a	Depth:	n/a
CONTRACTOR	Layne Christensen	Casing:	6.10 m	Angle:	n/a

Interval (m)	Description	Alteration	Mineralization	Sample Number
0 - 128.40	clay, grey/green, massive, waxy, thin sandy layers, rare round granitic cobbles and			
	ironstone concretions, gravel layers			
128.40 - 128.70	ironstone concretion, tan, indurated, calcareous, pyrite disseminations		diss py	PR99-03-R01
128.70 - 174.65	shale, grey, thinly laminated into 0.5 cm layers 090 to CA, sand layers to 30 cm thick,			PR99-03-R02
	abundant 2-6 cm thick ironstone concretions, abundant white inoceramus fossil shell			PR99-03-R03
	fragments scattered			PR99-03-R04
174.65	EOH			PR99-03-PAL01

APPENDIX 5

DRILL CORE SAMPLE LITHOLOGIC AND ANALYTIC DATA

APPENDIX 5
DRILL CORE SAMPLE LITHOLOGIC AND ANALYTIC DATA

Drill Hole Identifier	Sample Identifier	Sample Depth (m)	Sample Interval (m)	Sample Description	Drill Core Assay Results																									
					Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sn	Sr	Ta	Th	U	W	Zn
					ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm
ITS98-E4	R-01	22.86-23.05	0.19	limestone, grey, fossiliferous, thin white calcite veinlets, 2% finely disseminated pyrite and 5 mm pyrite suns	<2	<5	10.3	470	1.7	26	7	45	2	1.57	2	<1	<5	4	0.41	<20	<15	0.4	5.1	<3	<0.01	<0.05	<0.5	3.4	2.1	1	67
	R-02	74.68-75.68	1.00	shale, bioturbated, pyrite concretions	<2	<5	13.5	1000	<0.5	<1	17	119	9	3.77	5	<1	<5	6	0.74	<32	98	2.3	16.9	<3	<0.01	<0.05	<0.5	11.7	3.8	<1	260
ITS98-M2a	R-01	73.40-73.50	0.10	bentonite, blue/white, waxy, shale wall rock	<2	<5	10.0	740	<0.5	2	8	80	7	9.48	5	<1	<5	<1	0.73	<31	72	0.9	13.8	<3	<0.01	<0.05	<0.5	15.5	4.8	<1	140
ITS98-M2b	R-01	16.76-17.76	1.00	shale, red, small poker chips	<2	<5	41.1	800	5.2	<1	8	104	11	7.38	5	<1	<5	26	0.40	<40	110	2.3	17.1	<3	<0.01	<0.05	<0.5	18.0	12.3	<1	222
ITS98-N4	R-01	31.09-31.20	0.11	shale, bioturbated, 1% finely disseminated pyrite and 8 x 2 cm pyrite concretion	4	<5	44.5	780	2.8	<1	13	94	6	8.80	6	<1	<5	5	0.38	<27	100	3.7	9.9	<3	<0.01	<0.05	<0.5	7.9	3.7	<1	134
PR99-02	R-01	168.77-169.77	1.00	shale, laminated, sandy, fossiliferous	<2	<5	20.0	1000	5.0	<1	18	132	11	3.98	5	<1	<5	9	0.72	<31	125	1.5	18.8	<3	<0.01	<0.05	<0.5	13.0	6.1	<1	260
PR99-03	R-01	128.40-128.70	0.30	ironstone, calcareous, disseminated pyrite	<2	<5	25.5	720	1.0	19	8	52	3	5.56	3	<1	<5	<1	0.41	<22	25	1.1	7.7	<3	<0.01	<0.05	0.7	4.8	2.1	<1	99
	R-02	126.49-127.49	1.00	shale, laminated, sandy, fossiliferous	<2	<5	19.7	750	2.5	<1	16	129	9	3.63	6	<1	<5	<1	0.62	<30	140	1.3	16.9	<3	<0.01	<0.05	1.8	13.1	4.4	<1	167
	R-03	152.40-153.40	1.00	shale, laminated, sandy, fossiliferous	<2	<5	15.6	930	<0.5	<1	16	112	7	3.54	7	<1	<5	<1	0.85	<40	84	1.2	14.1	<3	<0.01	<0.05	1.5	10.8	3.4	<1	207
	R-04	173.65-174.65	1.00	shale, laminated, sandy, fossiliferous	3	<5	18.6	980	<0.5	<1	17	118	9	3.32	6	<1	<5	4	0.85	<29	107	0.9	16	<3	<0.01	<0.05	1.4	11.5	4.3	<1	187

APPENDIX 5 (continued)
DRILL CORE SAMPLE LITHOLOGIC AND ANALYTIC DATA

Drill Hole Identifier	Sample Identifier	Sample Depth (m)	Sample Interval (m)	Sample Description	Drill Core Assay Results																										
					La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mo	Cu	Pb	Zn	Ag	Ni	Mn	Sr	Cd	Bi	V	Ca	P	Mg	Ti	Al	K	Y	Be	S
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	ppm	ppm	%
ITS98-E4	R-01	22.86-23.05	0.19	limestone, grey, fossiliferous, thin white calcite veinlets, 2% finely disseminated pyrite and 5 mm pyrite suns	14.4	26	9	2.2	0.6	<0.5	1.3	0.22	<2	5	<5	47	<0.4	14	1979	530	<0.5	<5	42	19.40	0.089	0.68	0.09	1.69	0.69	12	<2	0.87
	R-02	74.68-75.68	1.00	shale, bioturbated, pyrite concretions	36.3	73	29	5.6	1.5	<0.5	3.2	0.49	<2	40	25	140	<0.4	57	305	150	0.9	<5	221	0.59	0.093	0.85	0.35	7.14	2.18	25	2	0.20
ITS98-M2a	R-01	73.40-73.50	0.10	bentonite, blue/white, waxy, shale wall rock	40.0	75	30	6.2	1.4	<0.5	3.2	0.45	<2	29	21	84	<0.4	26	811	157	0.8	<5	155	1.05	0.075	1.71	0.28	7.11	1.70	25	2	0.78
ITS98-M2b	R-01	16.76-17.76	1.00	shale, red, small poker chips	44.5	71	24	5.2	1.3	<0.5	2.4	0.37	17	55	30	97	<0.4	34	220	215	<0.5	<5	218	0.09	0.148	0.37	0.34	7.65	1.63	10	3	0.72
ITS98-N4	R-01	31.09-31.20	0.11	shale, bioturbated, 1% finely disseminated pyrite and 8 x 2 cm pyrite concretion	30.2	54	26	4.4	1.2	0.6	2.8	0.42	4	19	19	89	0.4	56	48	97	<0.5	<5	183	0.18	0.074	0.45	0.24	4.30	1.79	21	2	7.97
PR99-02	R-01	168.77-169.77	1.00	shale, laminated, sandy, fossiliferous	43.1	76	32	6.4	1.7	0.8	3.5	0.56	2	48	25	130	<0.4	50	149	166	0.8	<5	231	0.38	0.09	0.80	0.38	8.08	2.36	24	2	1.53
PR99-03	R-01	128.40-128.70	0.30	ironstone, calcareous, disseminated pyrite	16.0	30	13	2.5	0.7	<0.5	1.6	0.27	<2	15	7	72	<0.4	23	1341	302	0.5	<5	75	17.23	0.13	0.86	0.14	2.67	1.11	13	<2	0.26
	R-02	126.49-127.49	1.00	shale, laminated, sandy, fossiliferous	39.6	74	29	6.1	1.6	0.8	3.2	0.53	<2	28	24	121	<0.4	46	254	175	0.6	<5	216	0.46	0.10	0.87	0.40	7.97	2.68	24	2	0.34
	R-03	152.40-153.40	1.00	shale, laminated, sandy, fossiliferous	33.7	62	25	5.3	1.4	1.0	3.3	0.51	<2	27	22	107	<0.4	39	442	160	0.5	<5	171	0.44	0.10	0.74	0.34	6.35	2.18	23	2	0.22
	R-04	173.65-174.65	1.00	shale, laminated, sandy, fossiliferous	37.4	67	27	5.5	1.5	<0.5	3.2	0.52	<2	26	21	108	<0.4	41	149	167	0.6	<5	193	0.31	0.09	0.82	0.36	7.21	2.29	23	2	0.62

APPENDIX 6

DRILL CORE SELECTED DIAMOND INDICATOR MINERAL GRAINS

APPENDIX 6
DRILL CORE SELECTED DIAMOND INDICATOR MINERAL GRAINS

Drill Hole Identifier	Sample Identifier	Sample Interval (m)	Indicator Mineral Grains											
			Pyrope		Chrome Diopside		Eclogite		Olivine		Picroilmenite		Chromite	
			Def	Pos	Def	Pos	Def	Pos	Def	Pos	Def	Pos	Def	Pos
PR99-01	T-01	0-105.16	0	0	0	0	0	0	0	0	0	2	0	0
PR99-02	T-01	20.42-108.20	0	0	0	0	0	0	0	0	0	1	0	0
PR99-03	T-01	41.15-124.97	0	0	0	0	0	0	0	0	0	0	0	0

APPENDIX 7

DRILL CORE PALYNOLOGICAL ANALYSIS

David J. McIntyre
Palynologist
Cretaceous and Tertiary
Dinoflagellates, Pollen, Spores



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Manuka Palynologic Consulting

PALYNOLOGY OF TWO CORE SAMPLES FROM PEERLESS LAKE, ALBERTA

David J. McIntyre

Report prepared for T. Faragher, New Claymore Resources Ltd

Two samples of core from two drillholes near Peerless Lake, Alberta were examined to determine age and environment.

Sample PR99-03 Pal-01 contains a rich pollen and spore assemblage in which conifer pollen of *Alisporites bilateralis* is dominant and *A. grandis* is abundant. Among the other conifer pollen present is *Rugubivesiculites rugosus*. The spores present include *Camarozosporites ambigens, Costatoperforosporites foveolatus, Cicatricosisporites augustus, C. hallei, C. imbricatus, C. venustus, Impardecispora marylandensis, Microreticulatisporites uniformis, Ornamentifera baculata, Polycingulatisporites reduncus, Triporoletes radiatus.* Pollen of angiosperms, which is rare, includes *Cupuliferoidaepollenites minutus* and *Tricolpites sagax.* The sparse dinoflagellate assemblage contains *Chichaouadinium vestitum, Cribroperidinium intricatum, Florentinia cooksoniae, Odontochitina operculata* and *O. singhii.* The palynological preparation contains abundant vascular plant tissue and fusinite.

The palynological assemblage indicates that the sample is not older than late Middle Albian and is probably Late Albian in age. Species typical of the Cenomanian in central and northern Alberta were not seen and there is no indication that the sample is as

young as Cenomanian. The presence of dinoflagellates indicates deposition in a marine environment, but their limited numbers and the abundant pollen and spores, and vascular plant tissue, which are of terrestrial origin, indicate that the sample was deposited in a nearshore, possibly estuarine situation.

Sample PR99-02 Pal-01 contains a much more limited assemblage than the previous sample, both in numbers of species and specimens. Pollen of *Alisporites bilateralis* is dominant but only a few specimens are present, and the few spores include *Camarozonosporites ambigens, Cicatricosisporites hallei, Cicatricososporites auritus* and *Coronatispora valdensis.* The few dinoflagellates present include *Dapsilidinium* sp., *Coronifera oceanica, Microdinium ornatum* and *Kiokansium polypes.* The palynological preparation contains abundant organic material of the amorphous kerogen type and a small amount of vascular plant tissue.

The palynological assemblage suggests that the age is similar to that of the previous sample, i.e. probably Late Albian, but does not provide the clear evidence of that sample. The sparse palynological assemblage, which includes some dinoflagellates, and the abundant amorphous kerogen, which is probably of algal origin, indicate deposition in a shallow nearshore environment which may have been in a tidal situation.

April 6, 1999

19990024

ASSESSMENT REPORT

GOLDEN BLOCK

VOLUME 2

APPENDIX 8
GEOTEM MAGNETIC AND ELECTROMAGNETIC SURVEY
ELEKTRA AND ITS PROSPECTS

NEW CLAYMORE RESOURCES LTD.
METALLIC AND INDUSTRIAL MINERAL PERMITS
9397050016 to 9397050041, 9397050115 to 9397050153,
9397090001 to 9397090025, 9397100343 to 9397100390
NORTHERN ALBERTA

New Claymore Resources Ltd.
11003 - 84 Avenue
Edmonton, Alberta T6G 0V6

September, 1999

T. Faragher
B. Ryziuk

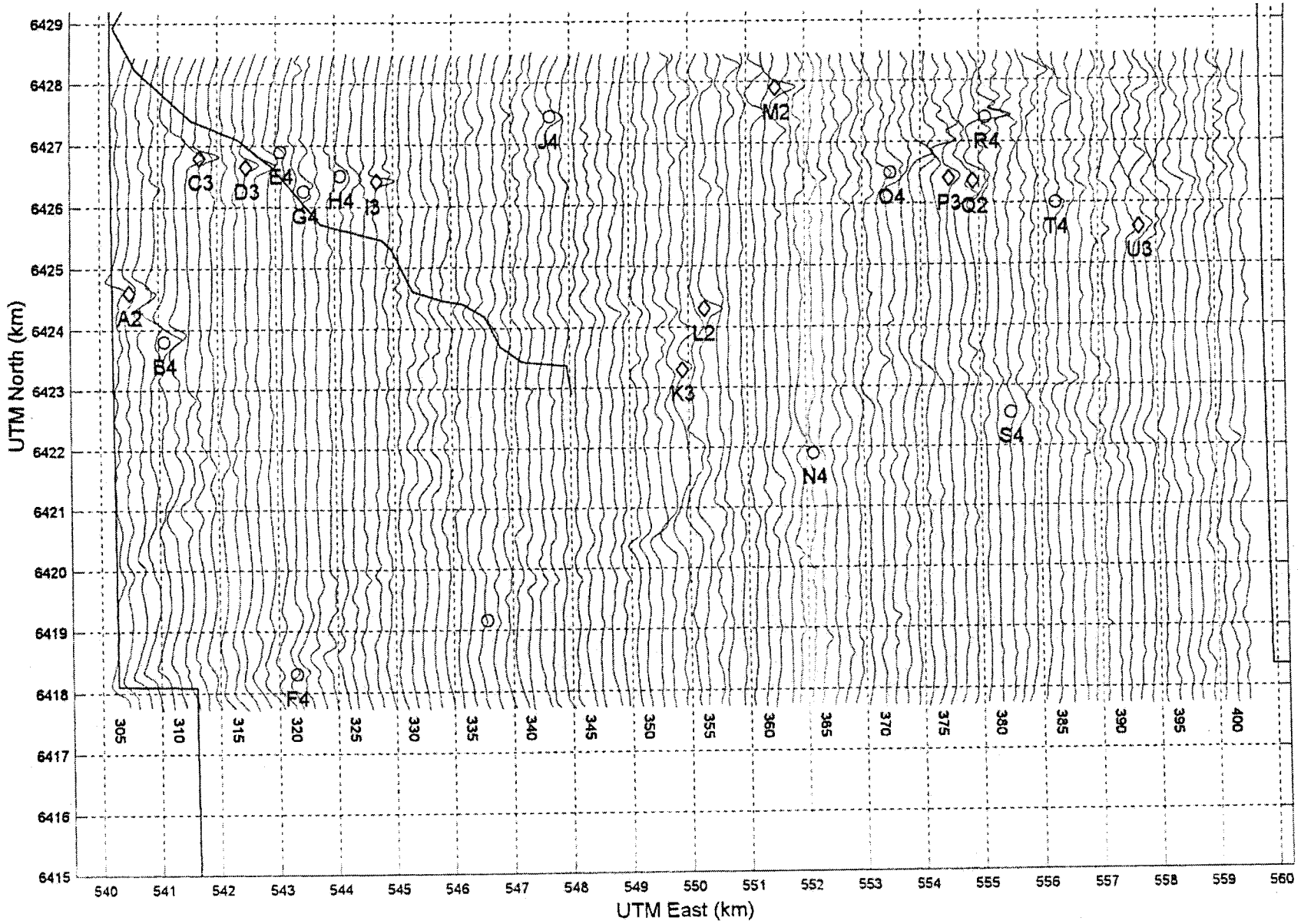
APPENDIX 8

GEOTEM MAGNETIC AND ELECTROMAGNETIC SURVEY

FLIGHT LINE PROFILES – GOLDEN BLOCK

ELEKTRA, ITS, AND TOSCA PROSPECTS

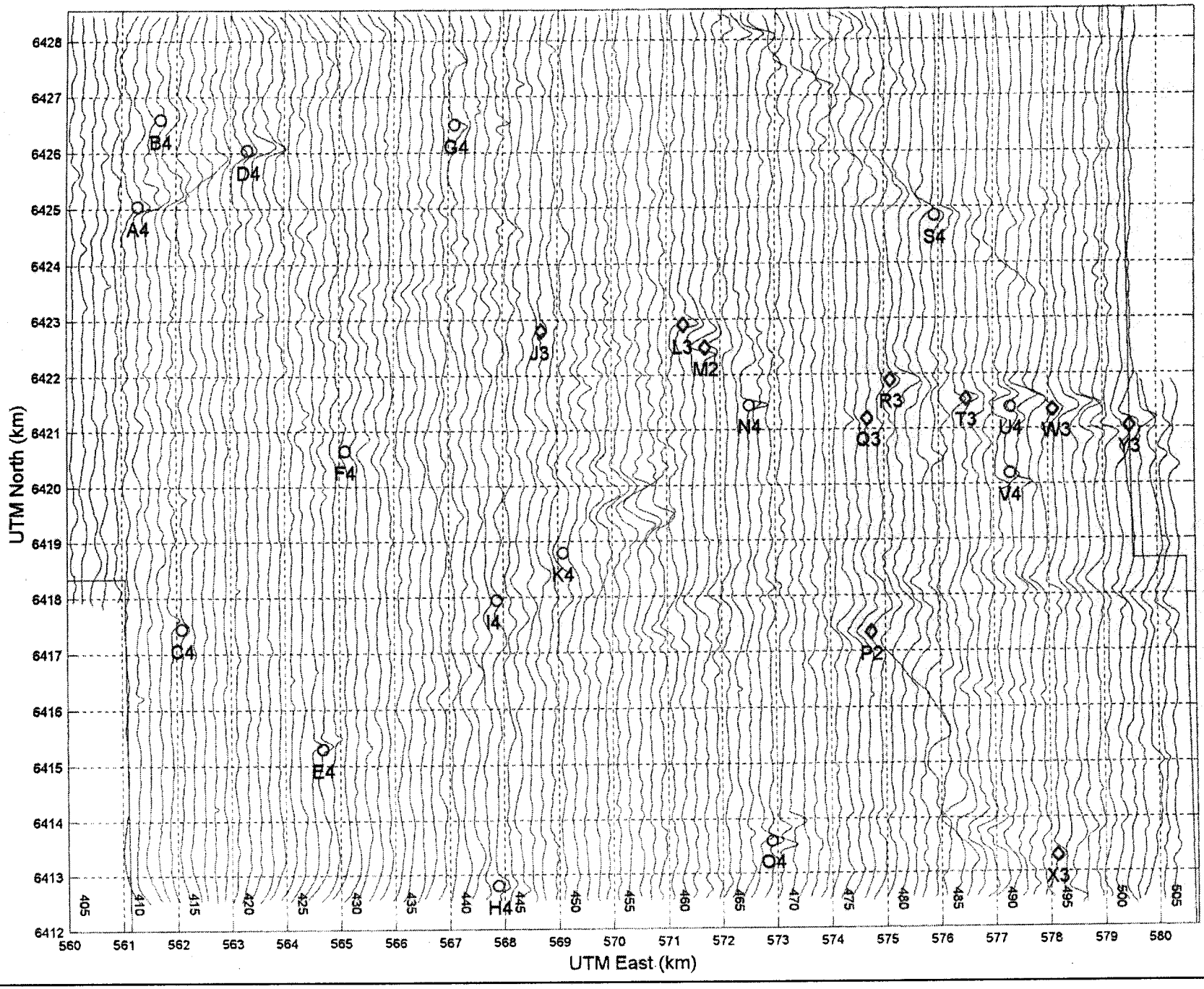
Geoterrex Survey of Golden Block - Elektra Prospect
Total Magnetic Field Stack Plot,
Flight Line Reference For GEOTEM Survey



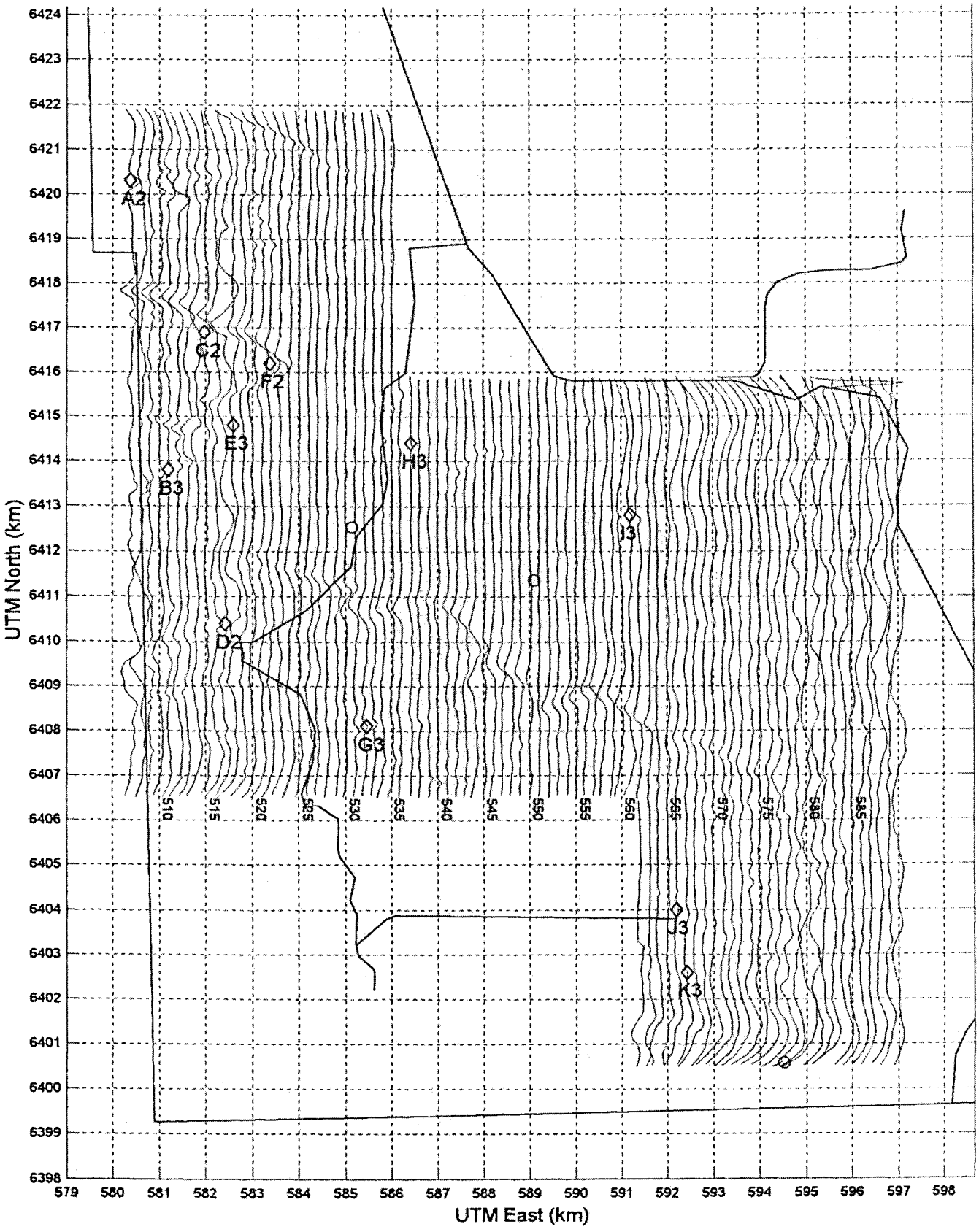
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Geoterrex Survey of Golden Block - ITS Prospect
Total Magnetic Field Stack Plot,
Flight Line Reference For GEOTEM Survey

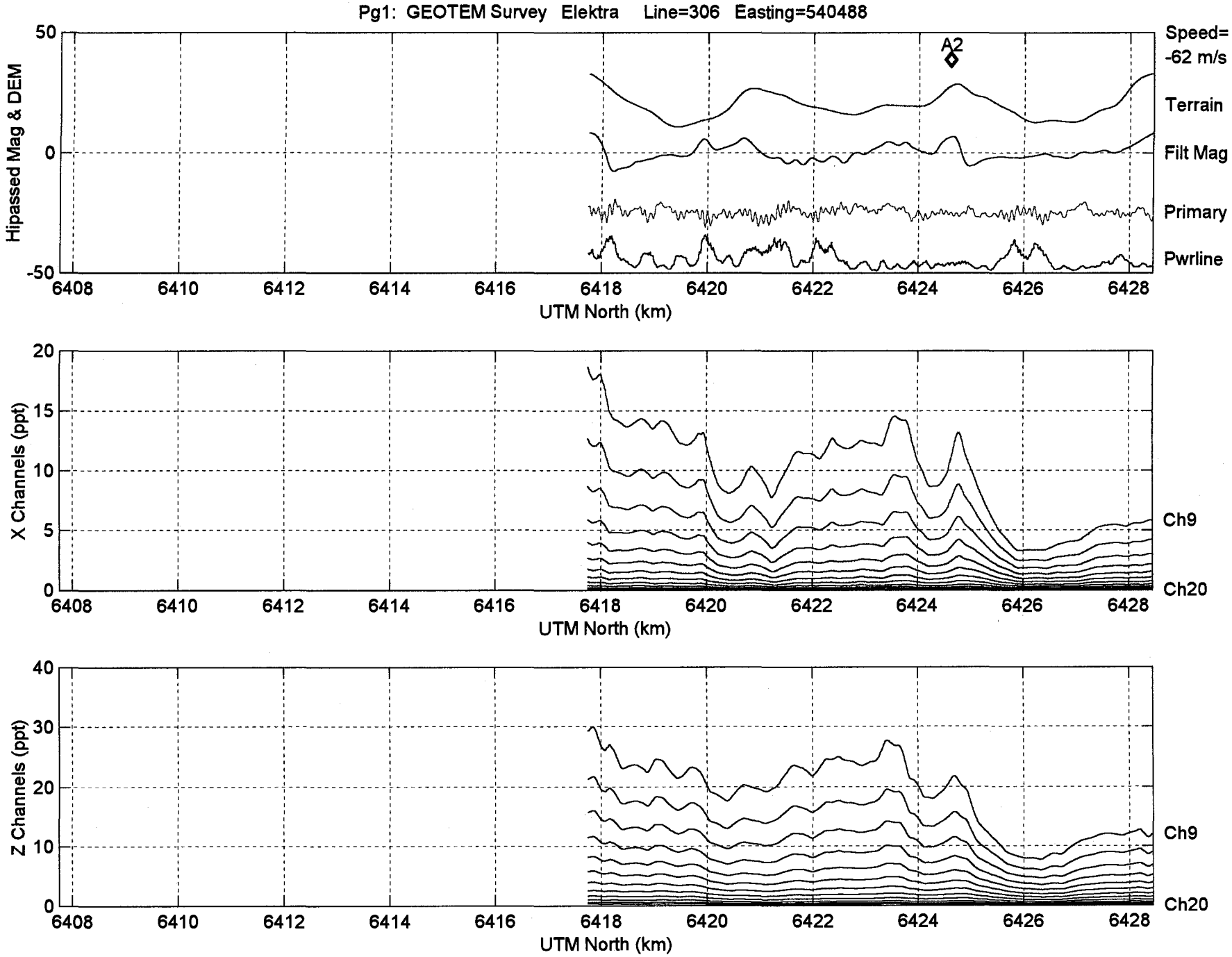
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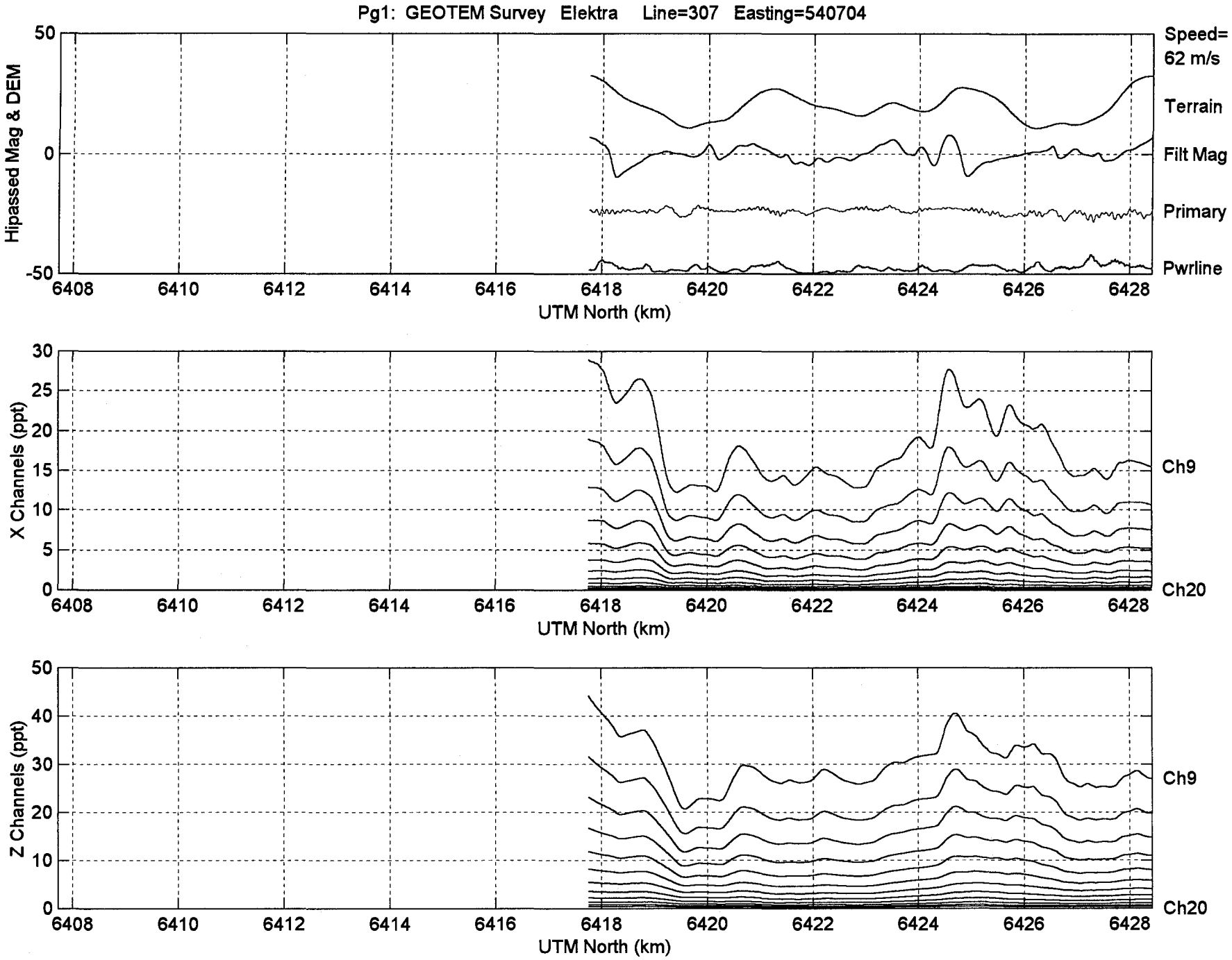


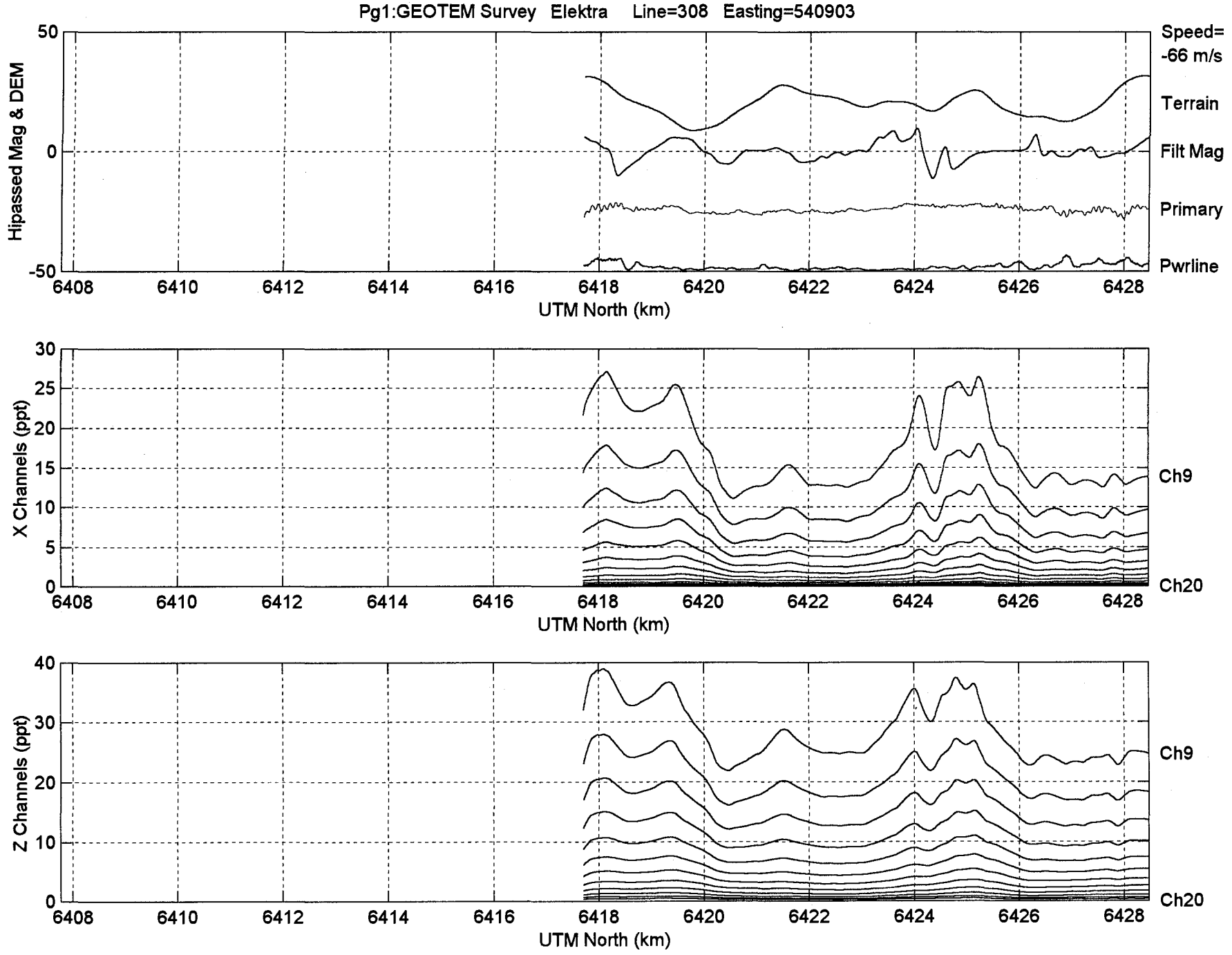
Geoterrex Survey of Golden Block - Tosca Prospect
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Flight Line Reference For GEOTEM Survey

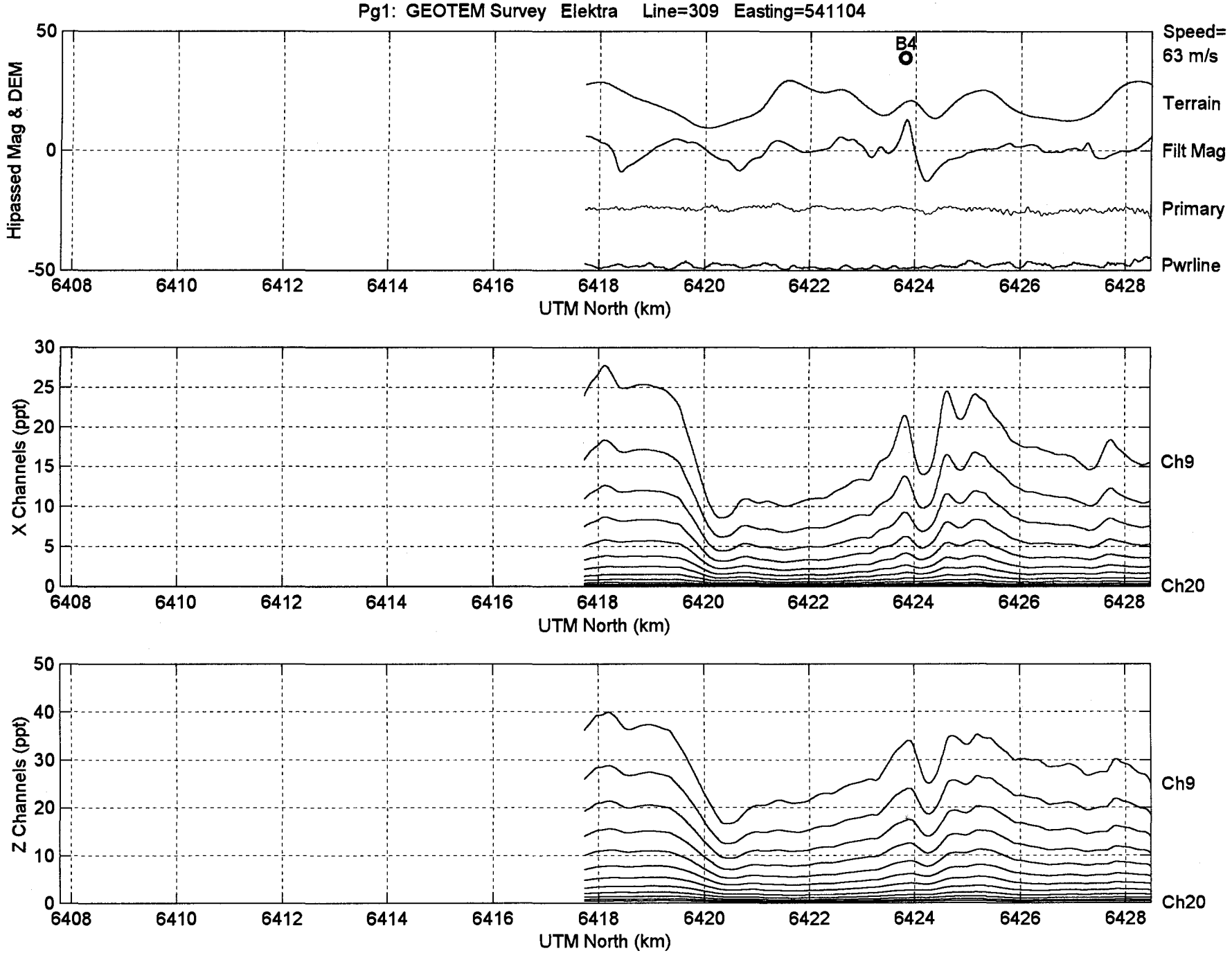


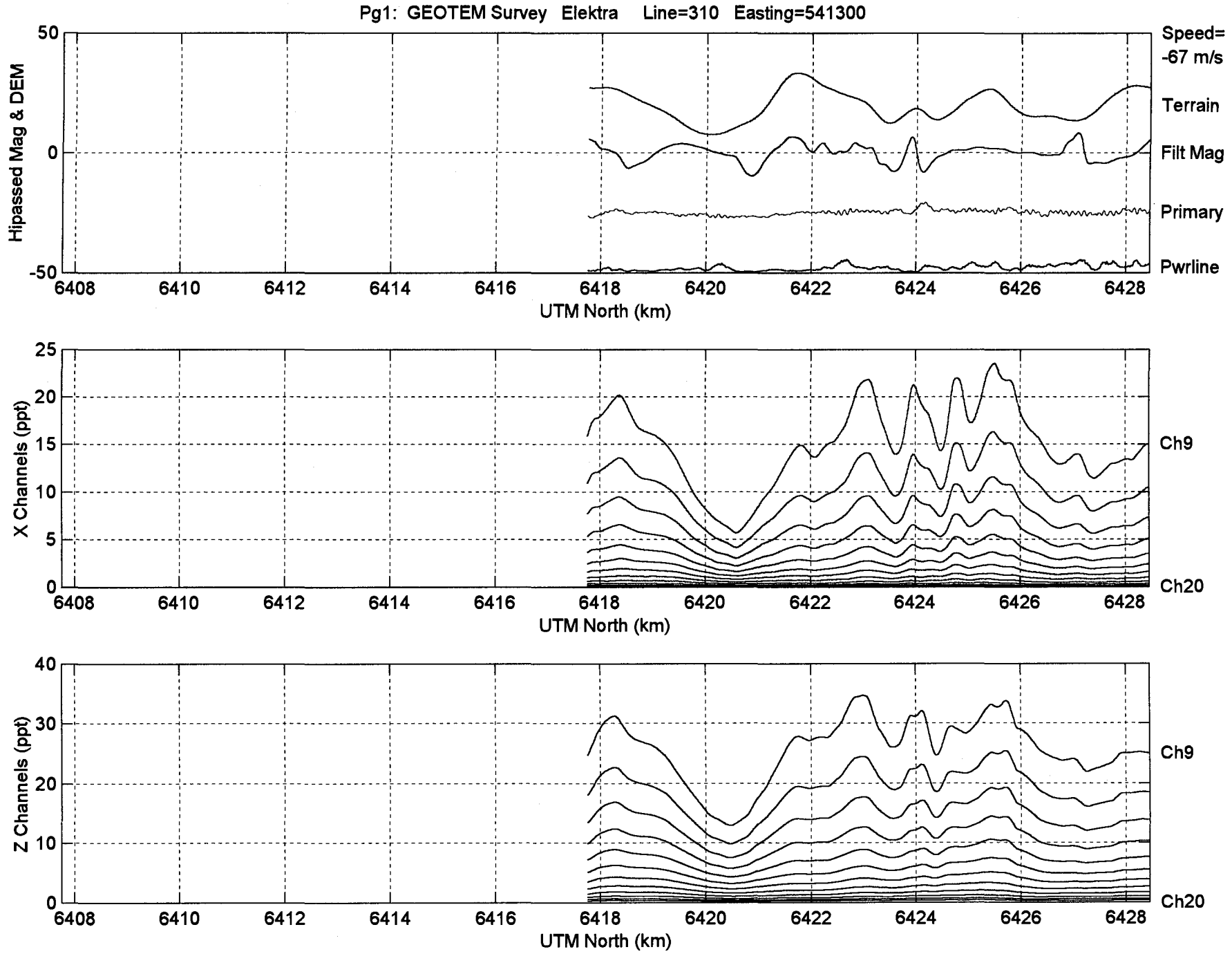
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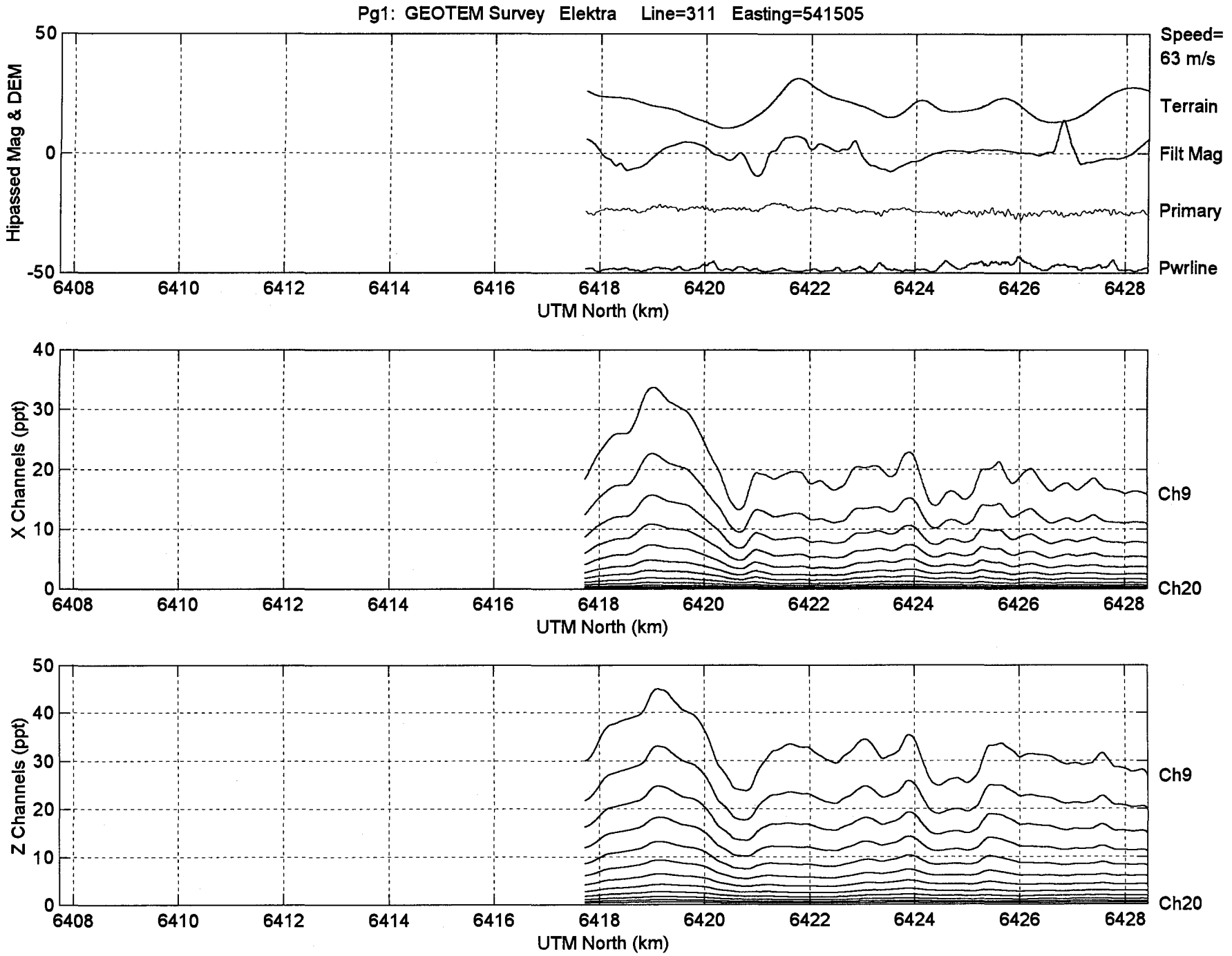

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Pwrline
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6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
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15
10
5
0
Ch9
Ch20
Z Channels (ppt)
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30
20
10
0

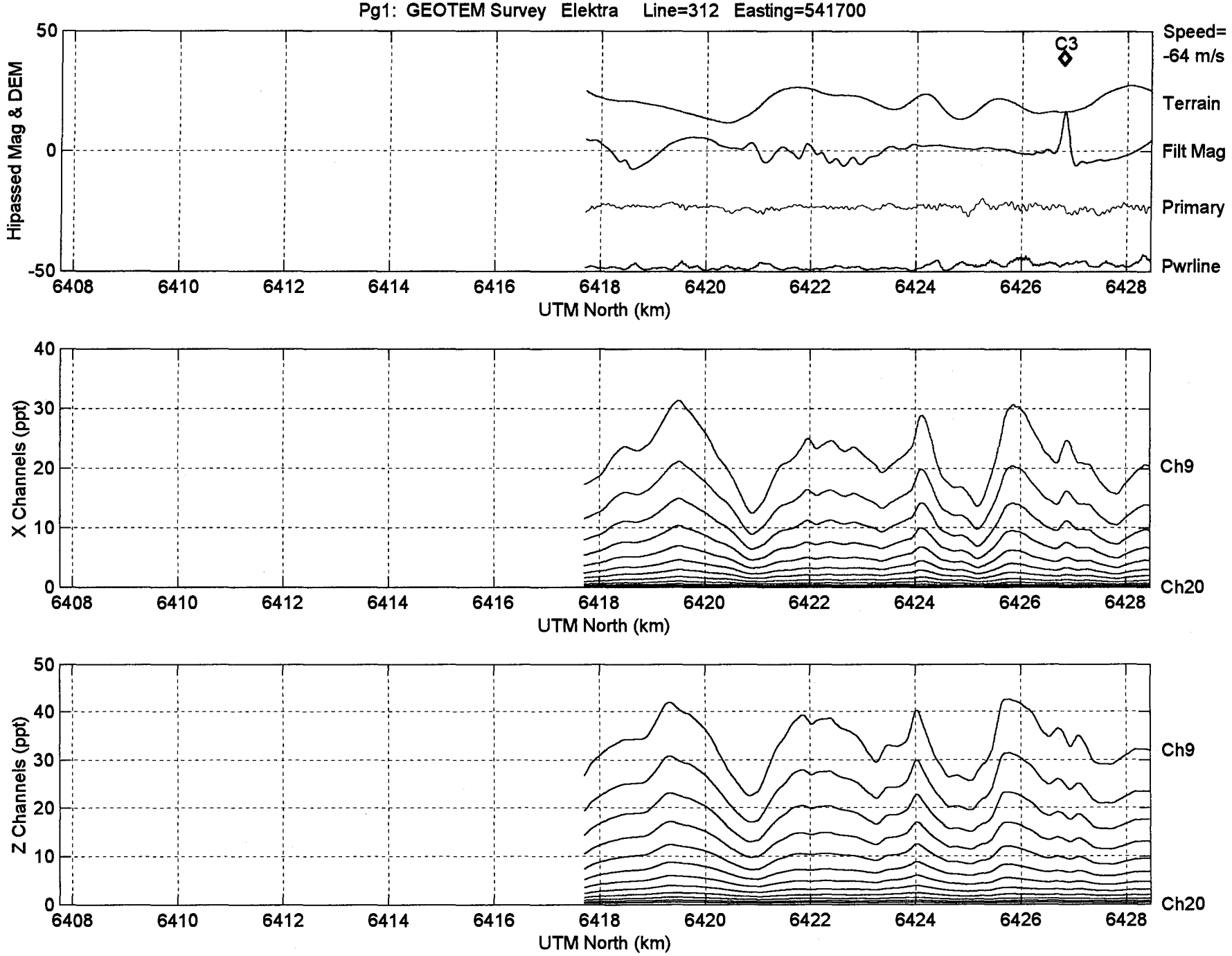

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Terrain
Filt Mag
Primary
Pwrline
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6410
6412
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6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
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40
30
20
10
0
Ch9
Ch20
UTM North (km)

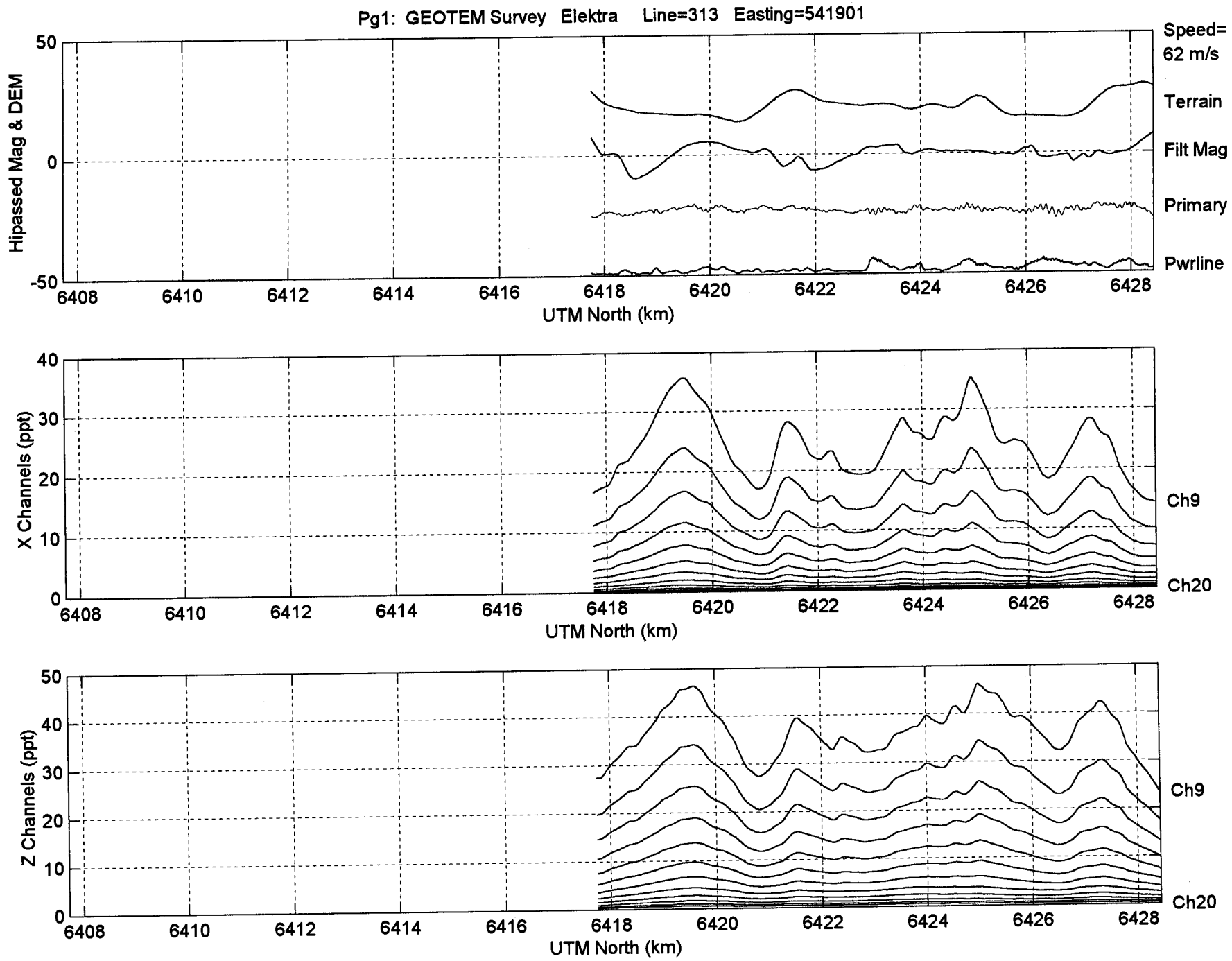

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Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
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UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
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Ch9
Ch20
UTM North (km)
Z Channels (ppt)
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30
20
10
0
Ch9
Ch20
UTM North (km)

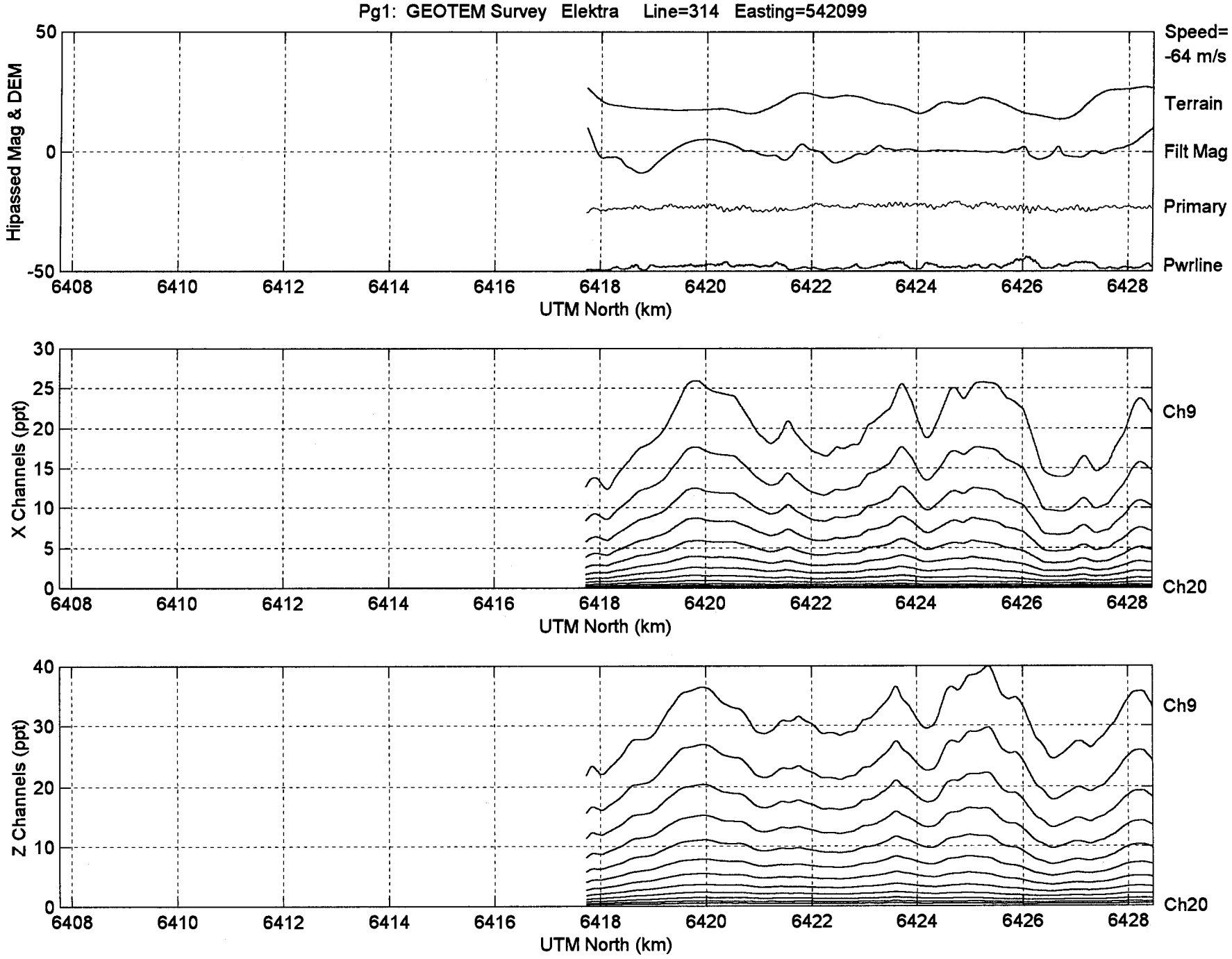

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Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
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30
20
10
0
Ch9
Ch20
UTM North (km)

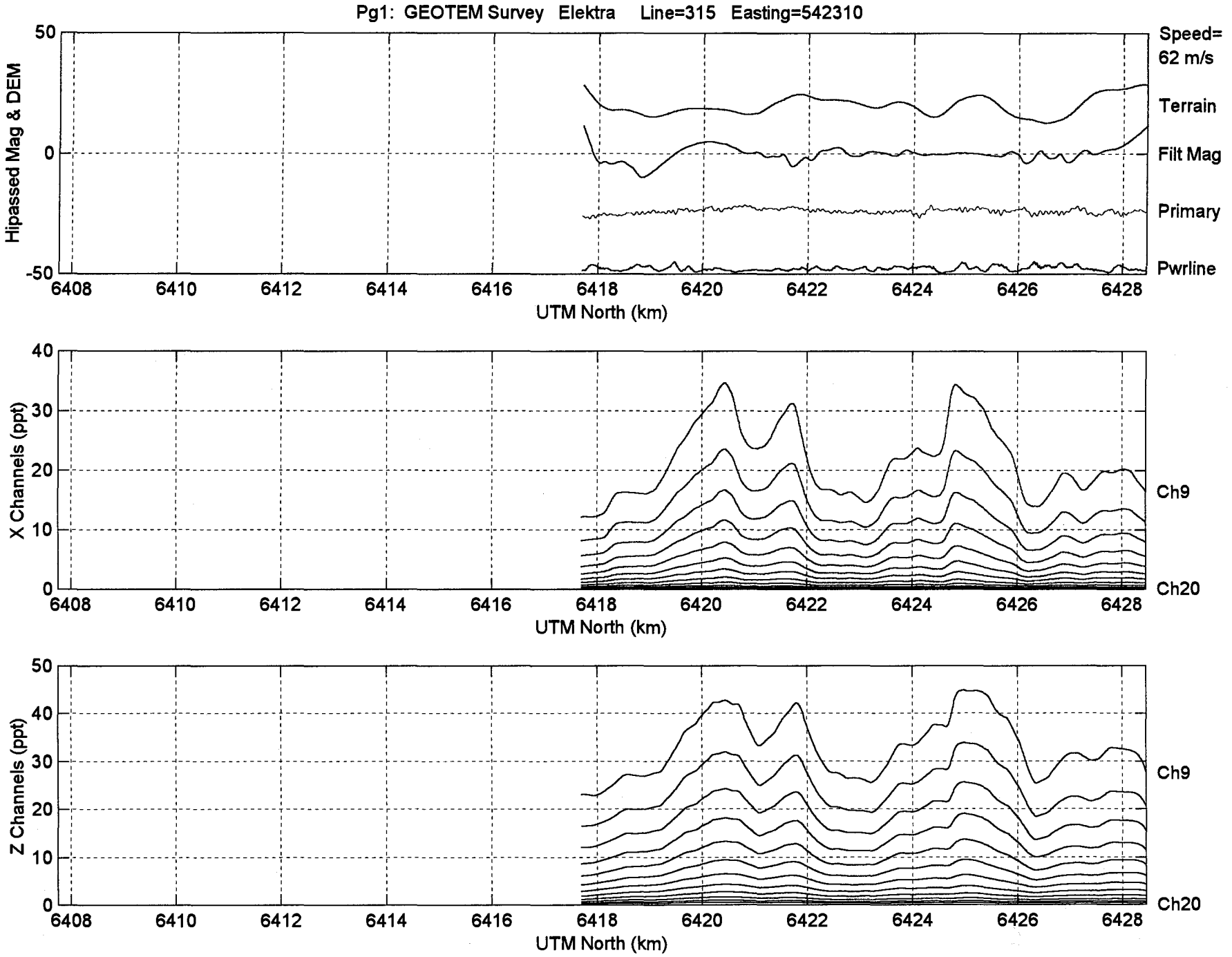

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Filt Mag
Primary
Pwrline
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6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
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30
20
10
0
Ch9
Ch20
UTM North (km)

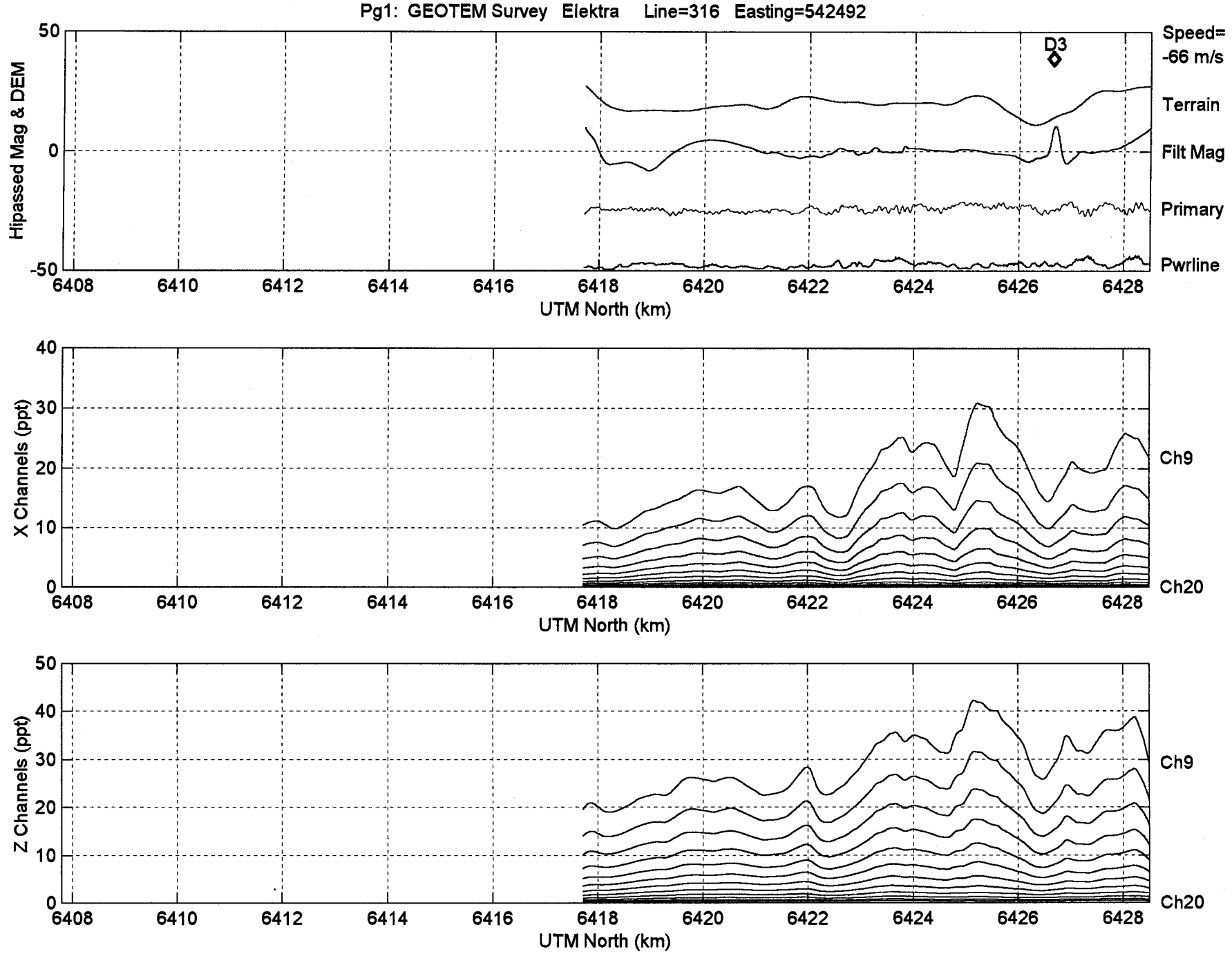

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6412
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6418
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6422
6424
6426
6428
UTM North (km)
Speed=
63 m/s
Terrain
Filt Mag
Primary
Pwrline
X Channels (ppt)
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30
20
10
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Ch9
Ch20
Z Channels (ppt)

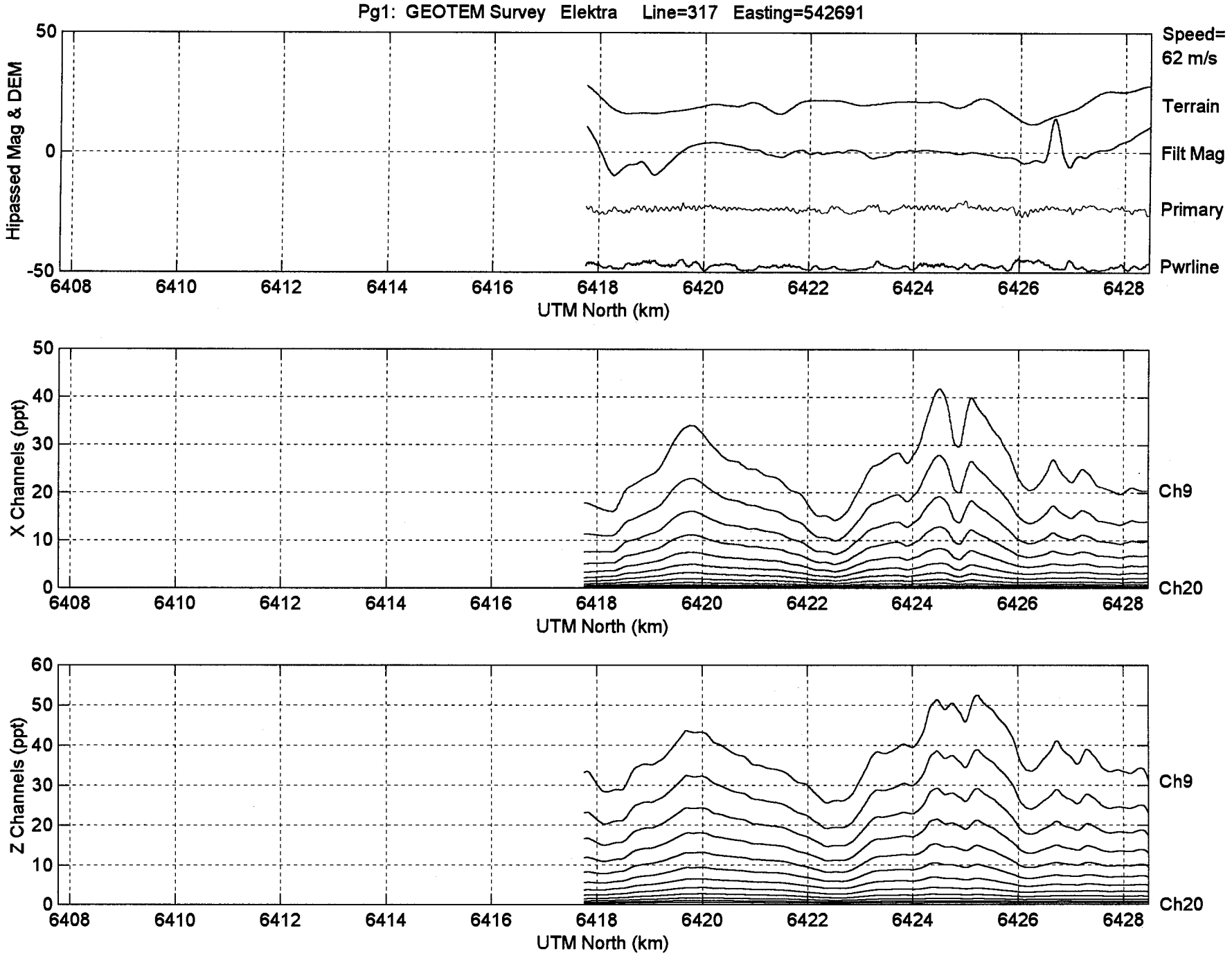

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Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
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UTM North (km)
Z Channels (ppt)
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30
20
10
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Ch20
UTM North (km)

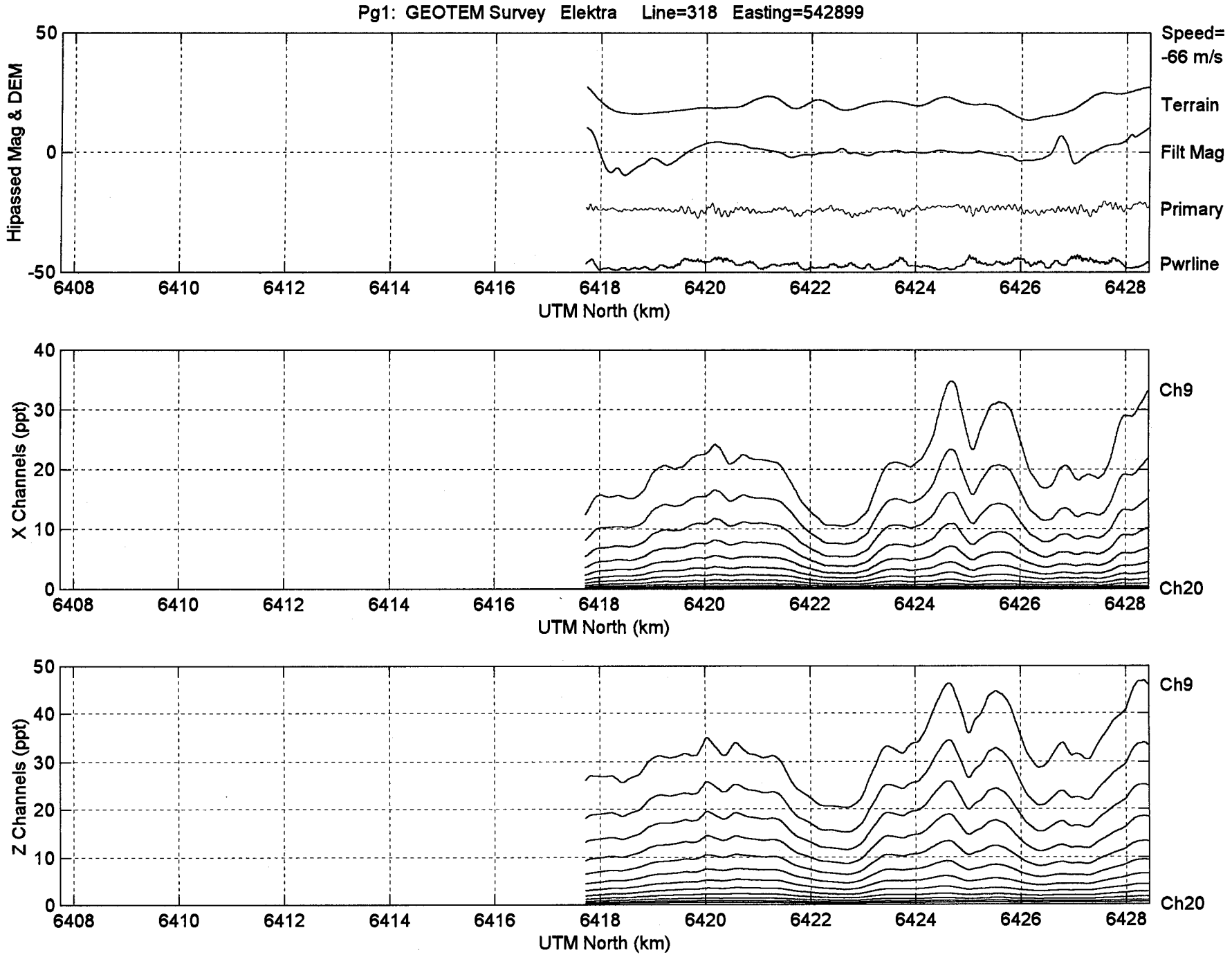

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6420
6422
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6426
6428
UTM North (km)
Speed= 62 m/s
Terrain
Filt Mag
Primary
Pwrline
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)

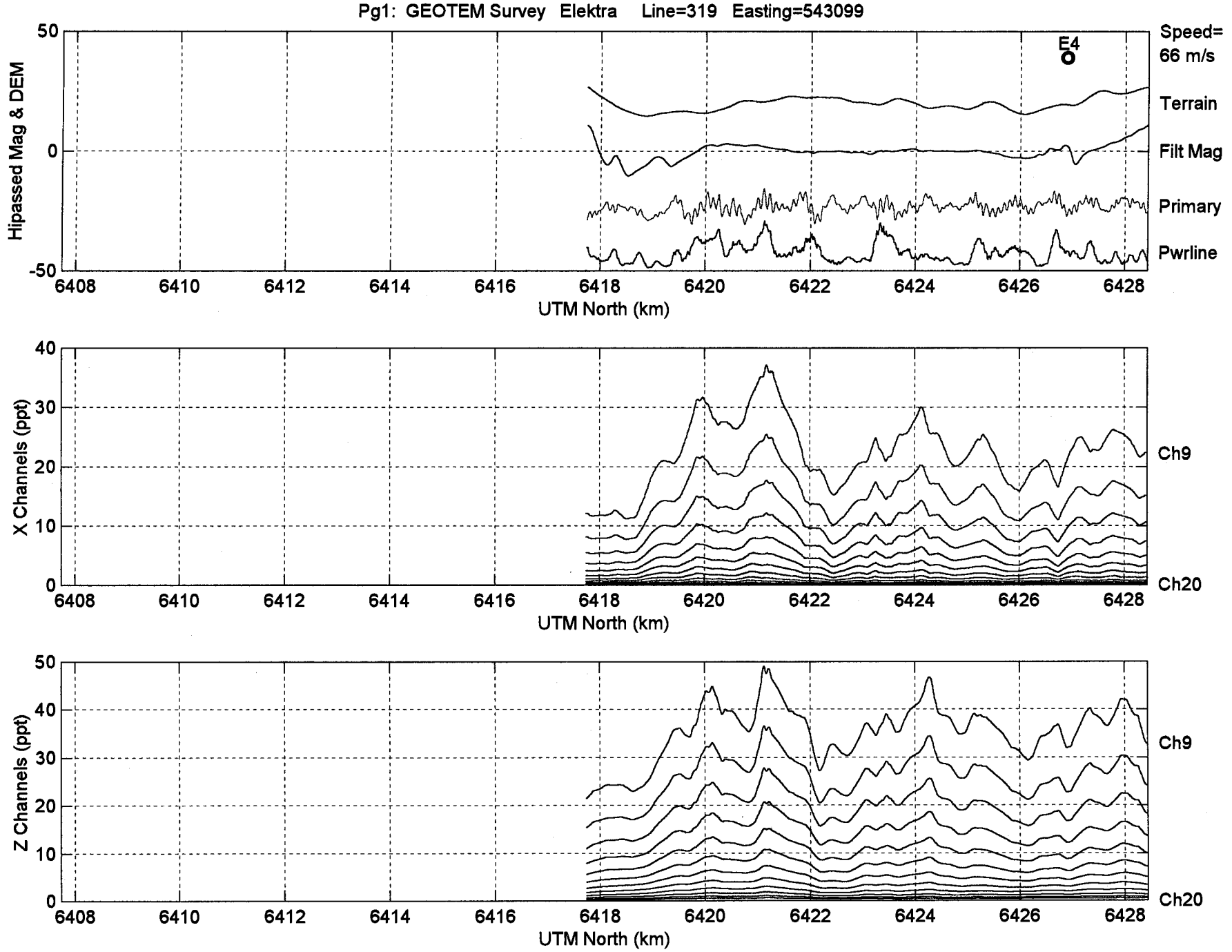

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Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)

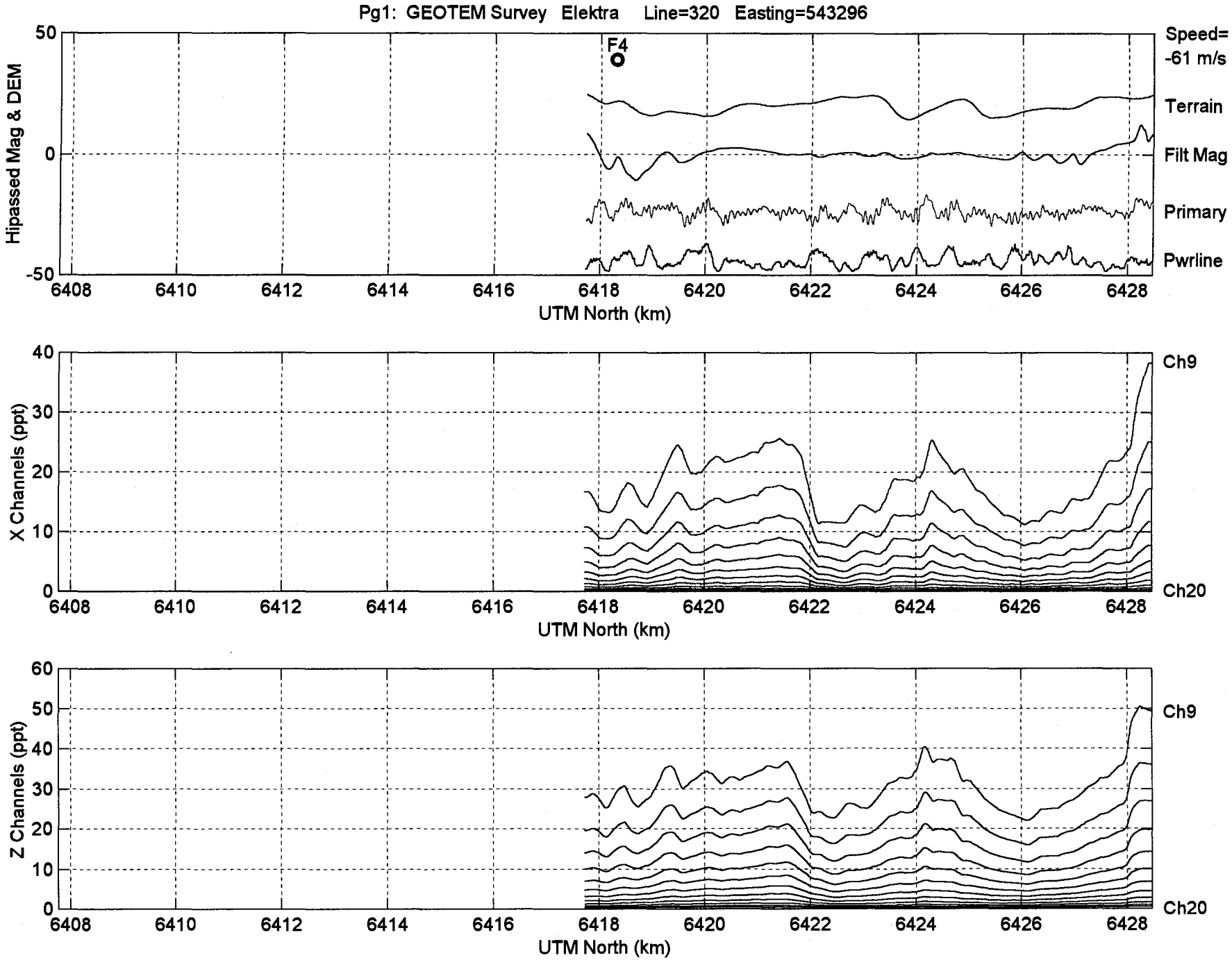

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Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

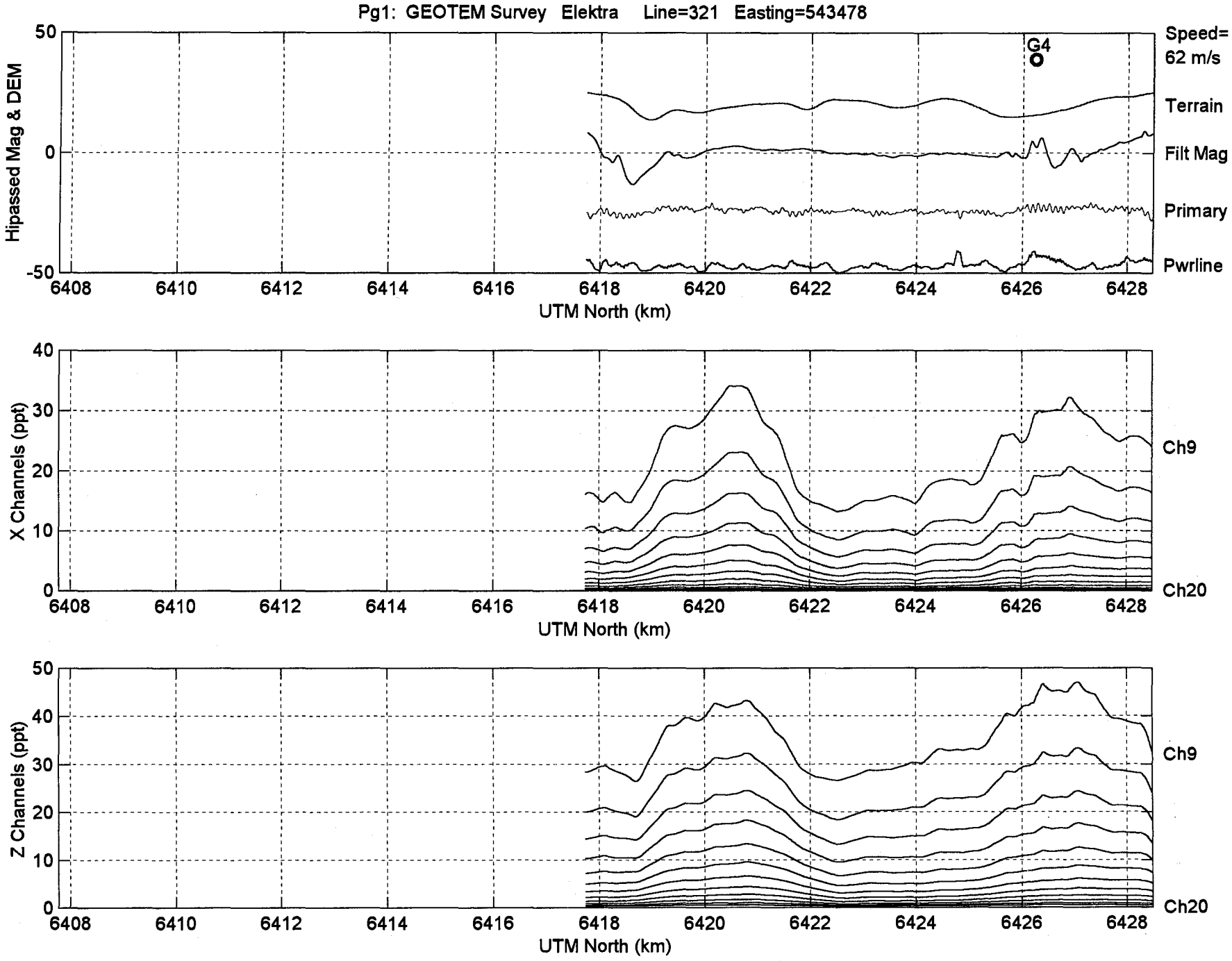

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6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

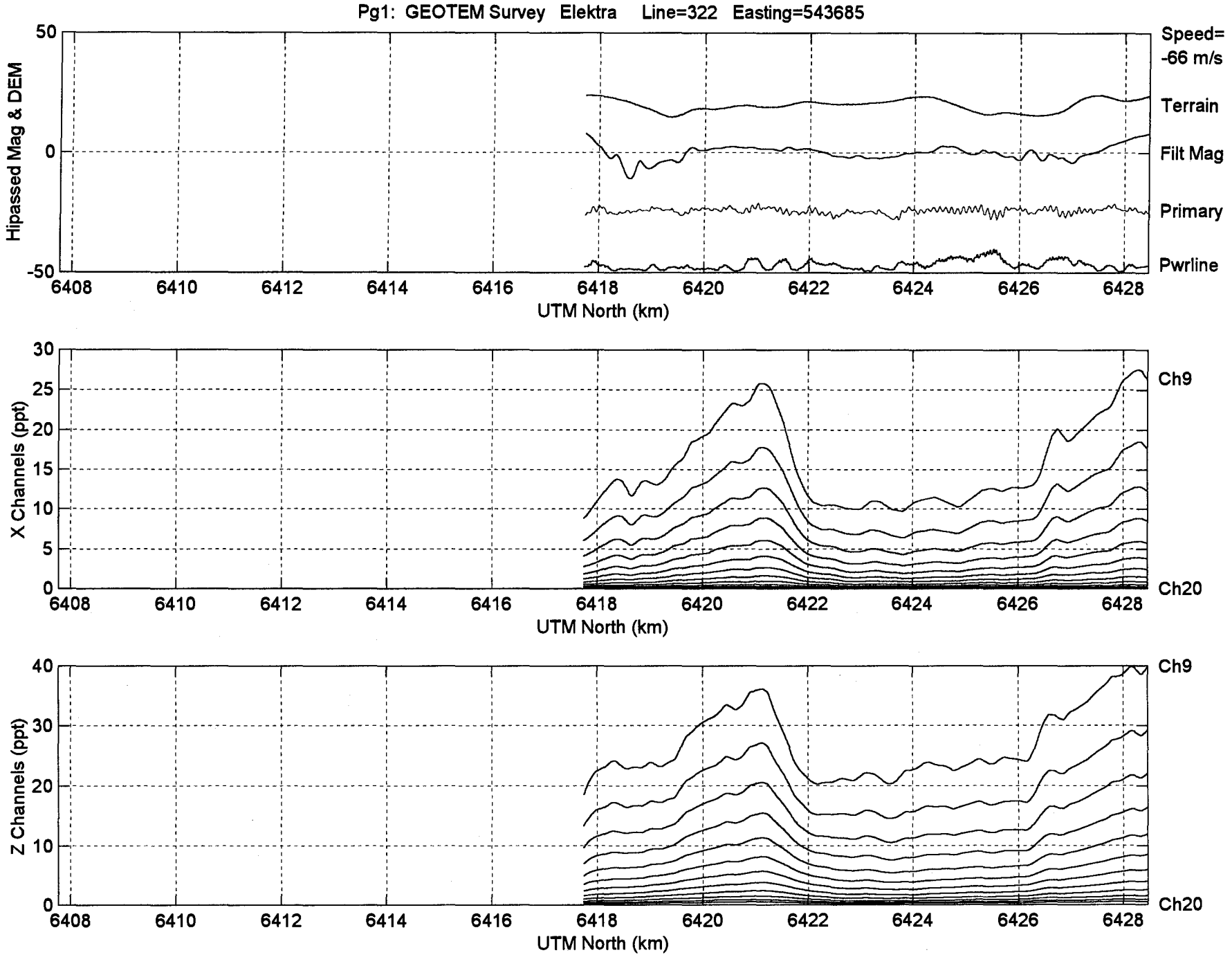

Pg1: GEOTEM Survey Elektra Line=317 Easting=542691
Hipassed Mag & DEM
50
0
-50
Speed=
62 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
Ch9
Ch20
Z Channels (ppt)
60

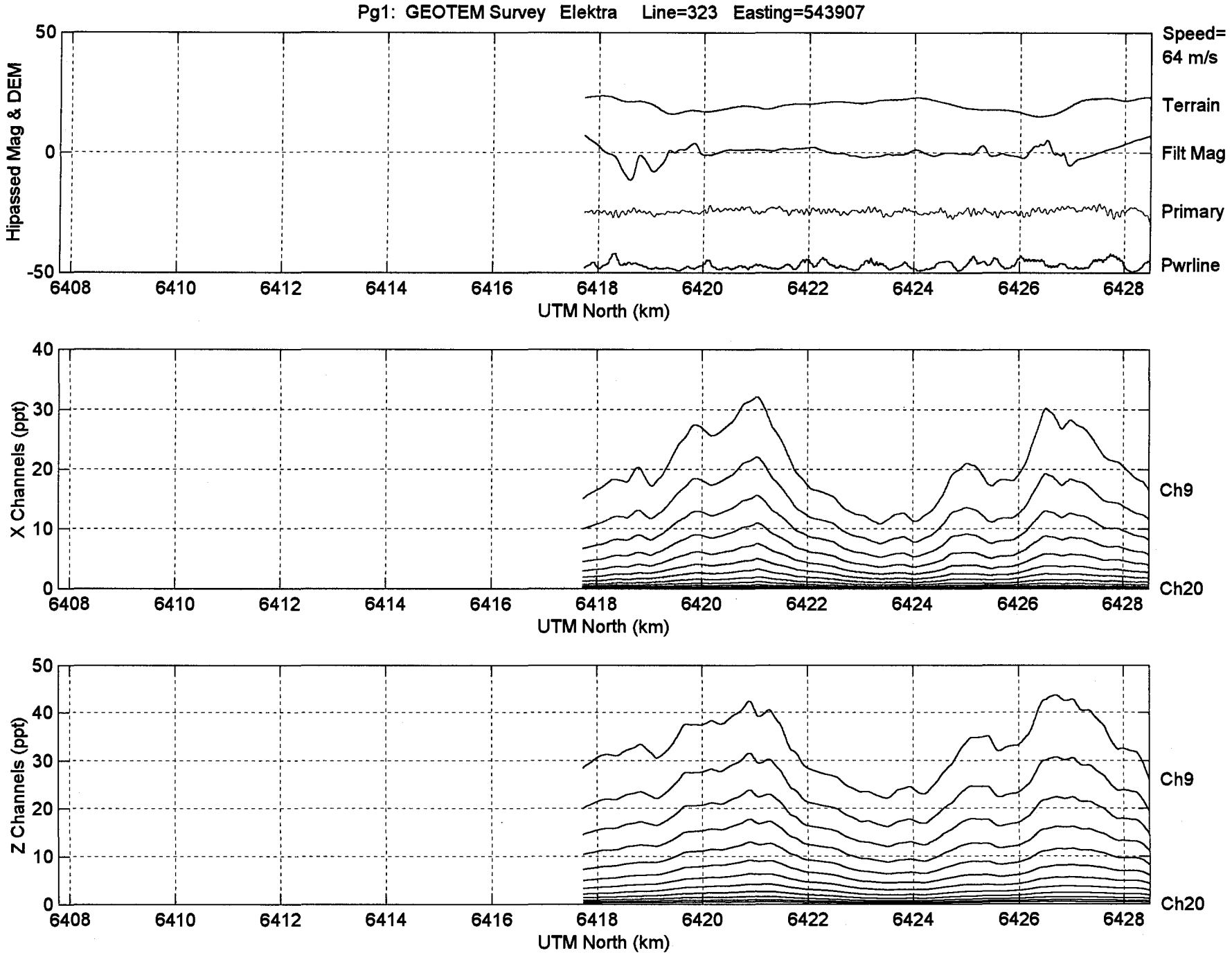

Pg1: GEOTEM Survey Elektra Line=318 Easting=542899
Hipassed Mag & DEM
50
0
-50
Speed=
-66 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

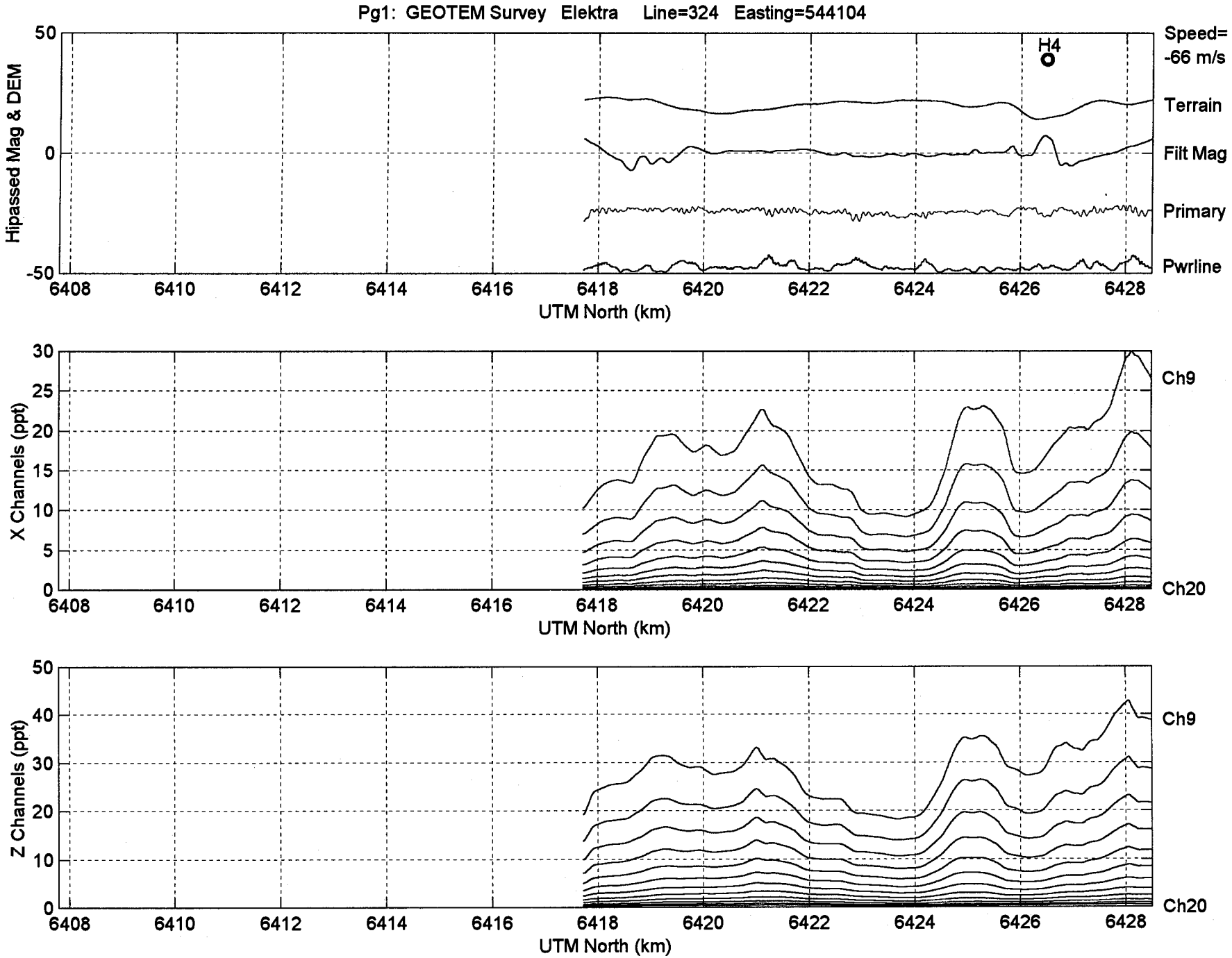

Pg1: GEOTEM Survey Elektra Line=319 Easting=543099
Hipassed Mag & DEM
50
0
-50
E4
Speed=
66 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

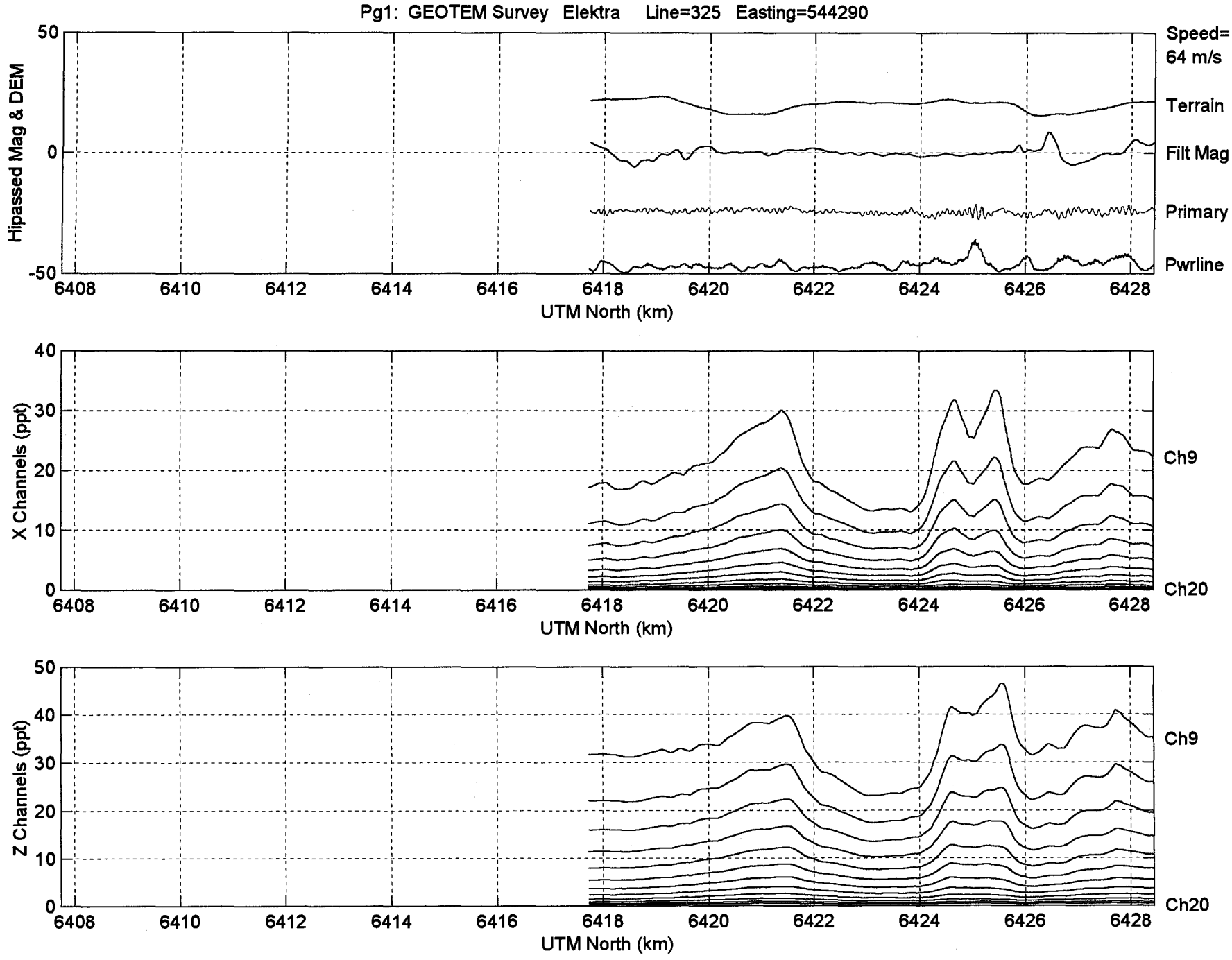

Pg1: GEOTEM Survey Elektra Line=320 Easting=543296
Hipassed Mag & DEM
50
0
-50
F4
Speed=
-61 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
60
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

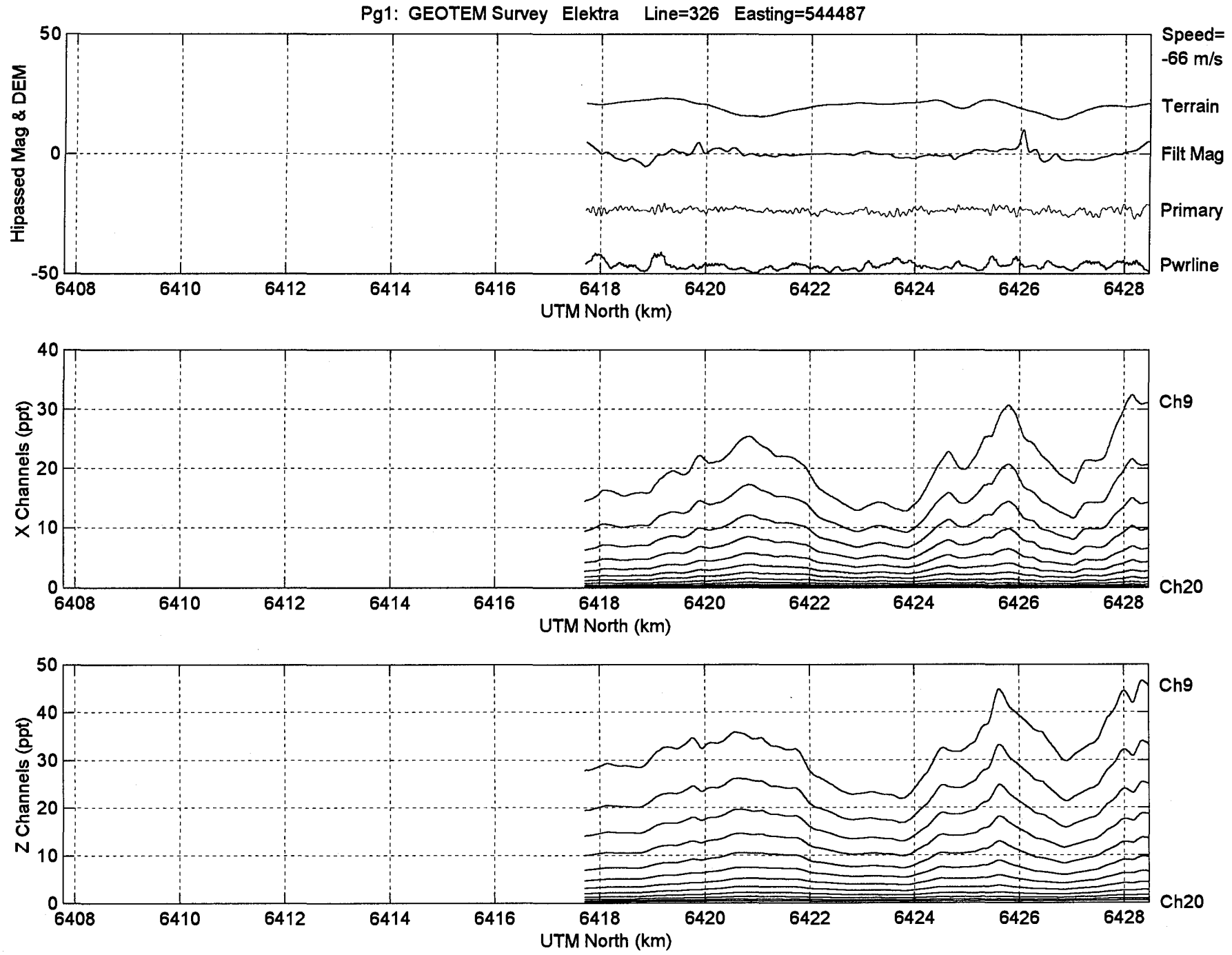

Pg1: GEOTEM Survey Elektra Line=321 Easting=543478
Hipassed Mag & DEM
50
0
-50
G4
Speed=
62 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

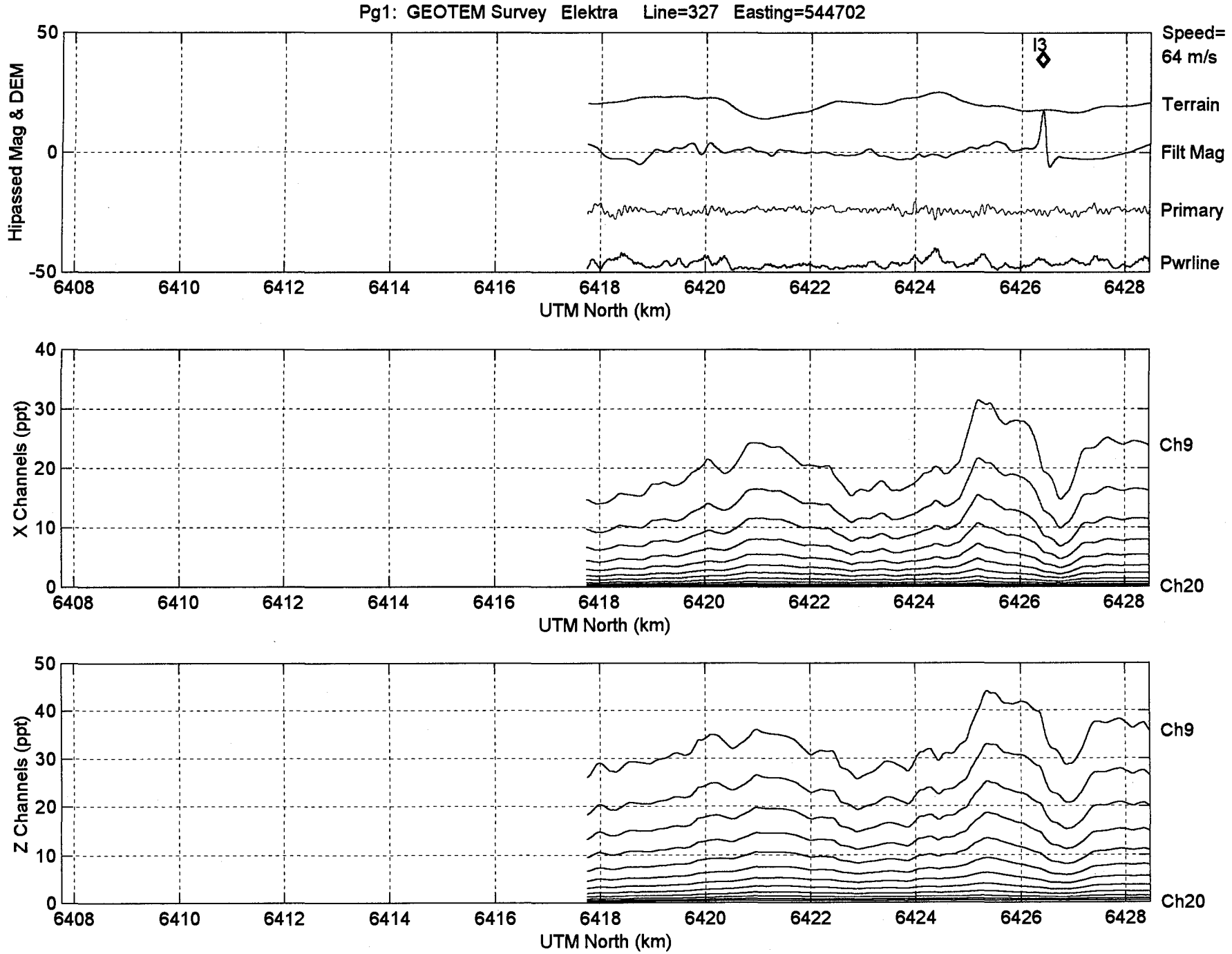

Pg1: GEOTEM Survey Elektra Line=322 Easting=543685
Hipassed Mag & DEM
50
0
-50
Speed=
-66 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)

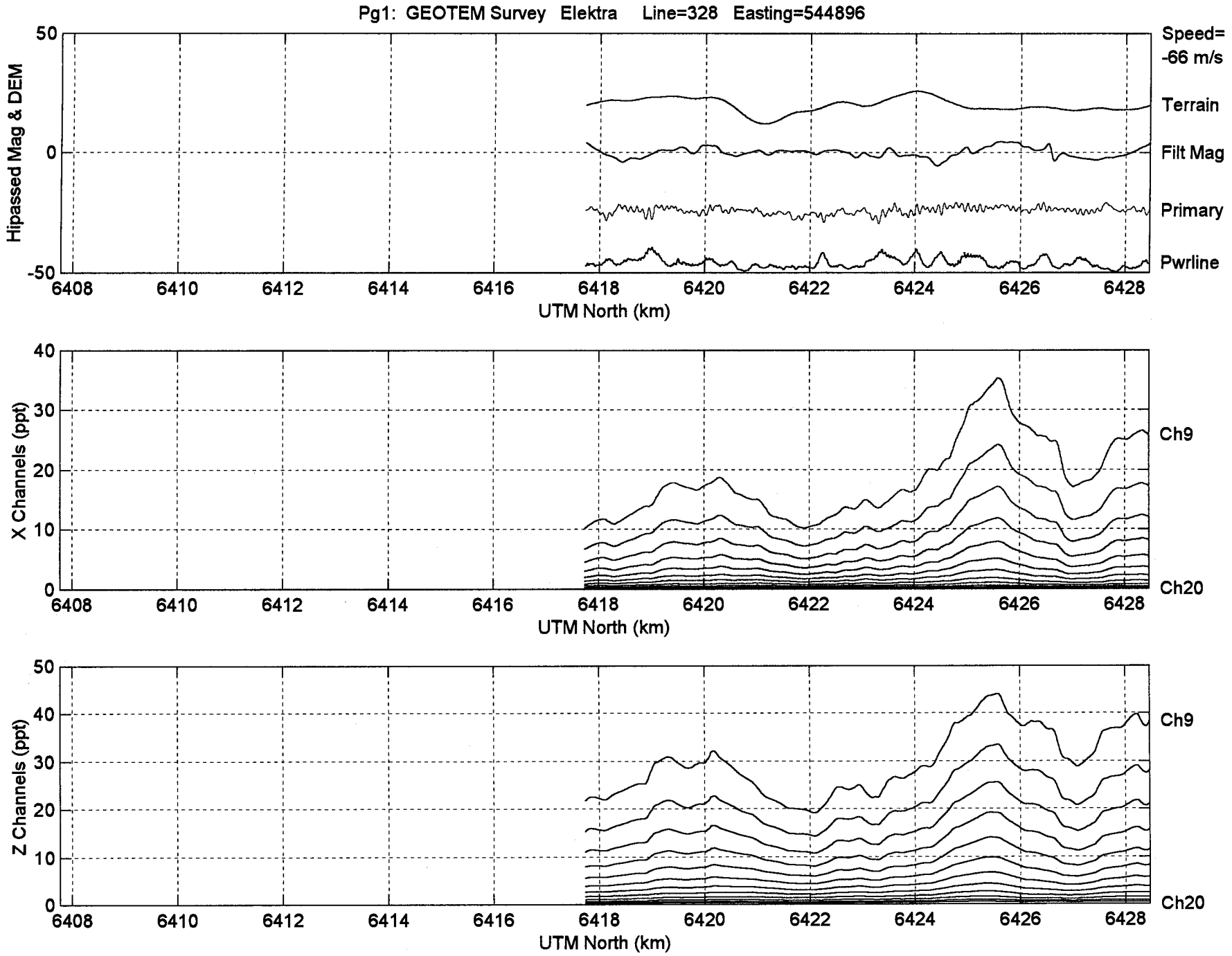

Pg1: GEOTEM Survey Elektra Line=323 Easting=543907
Hipassed Mag & DEM
50
0
-50
Speed=
64 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

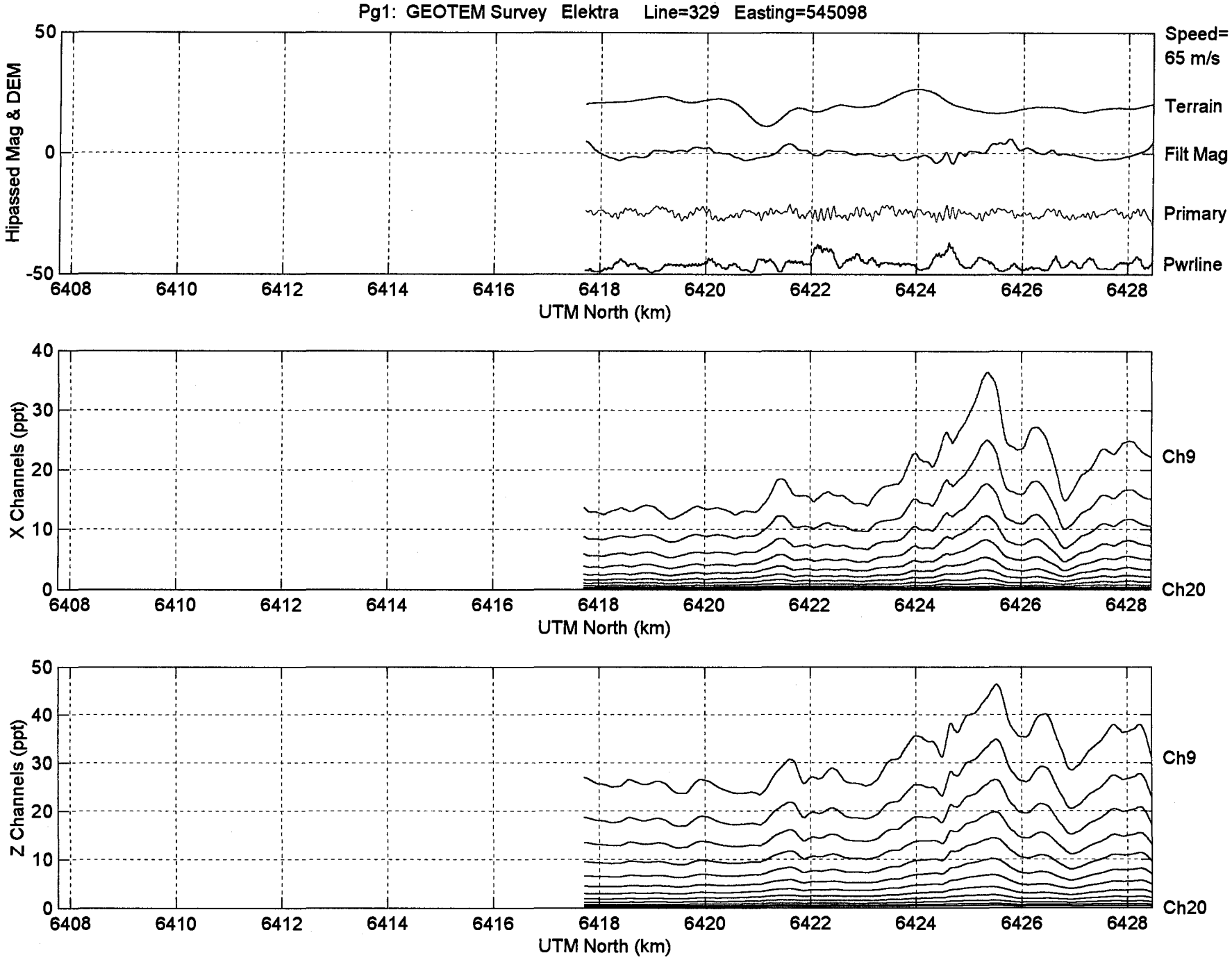

Pg1: GEOTEM Survey Elektra Line=324 Easting=544104
Hipassed Mag & DEM
50
0
-50
H4
Speed=
-66 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

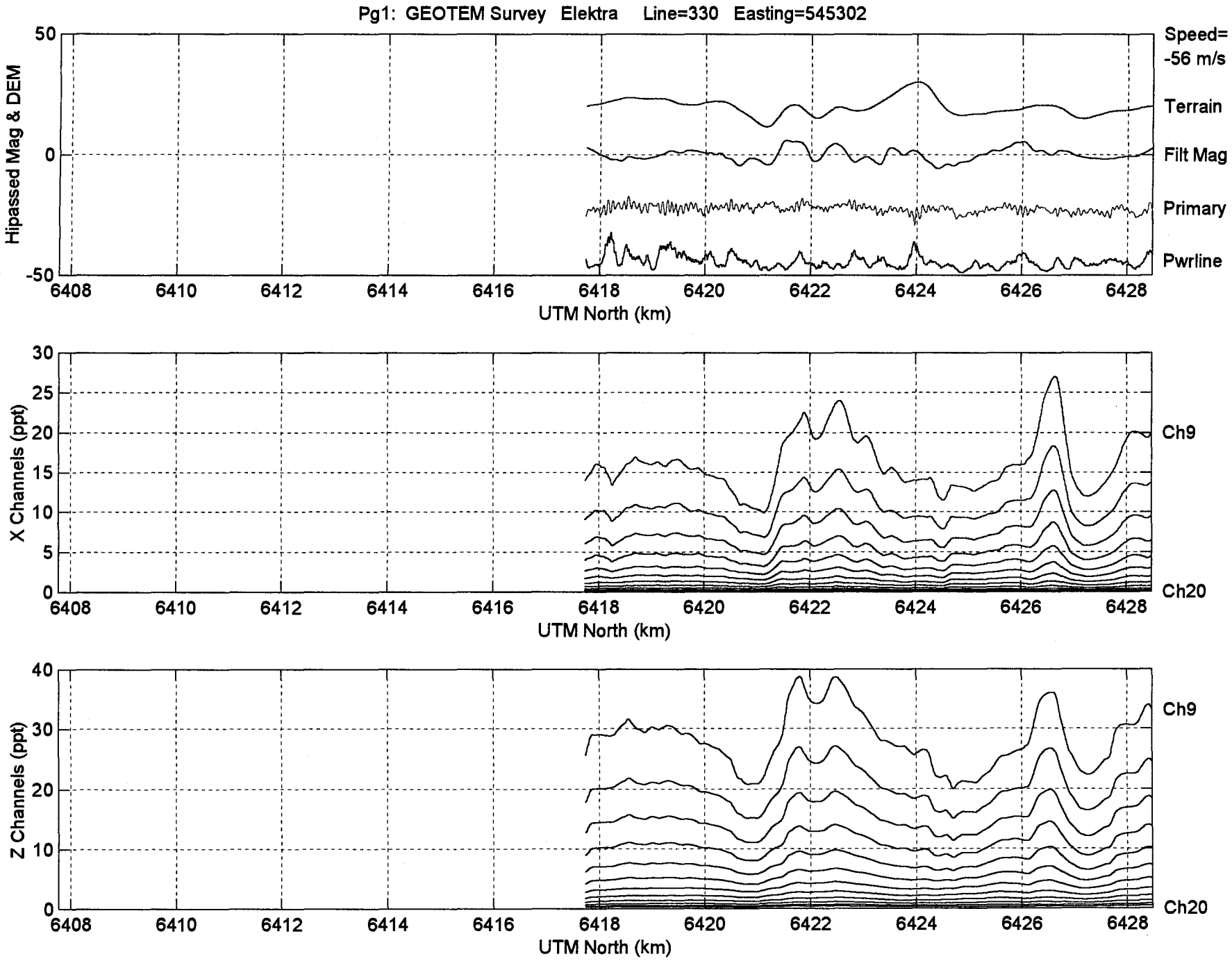

Pg1: GEOTEM Survey Elektra Line=325 Easting=544290
Hipassed Mag & DEM
50
0
-50
Speed=
64 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

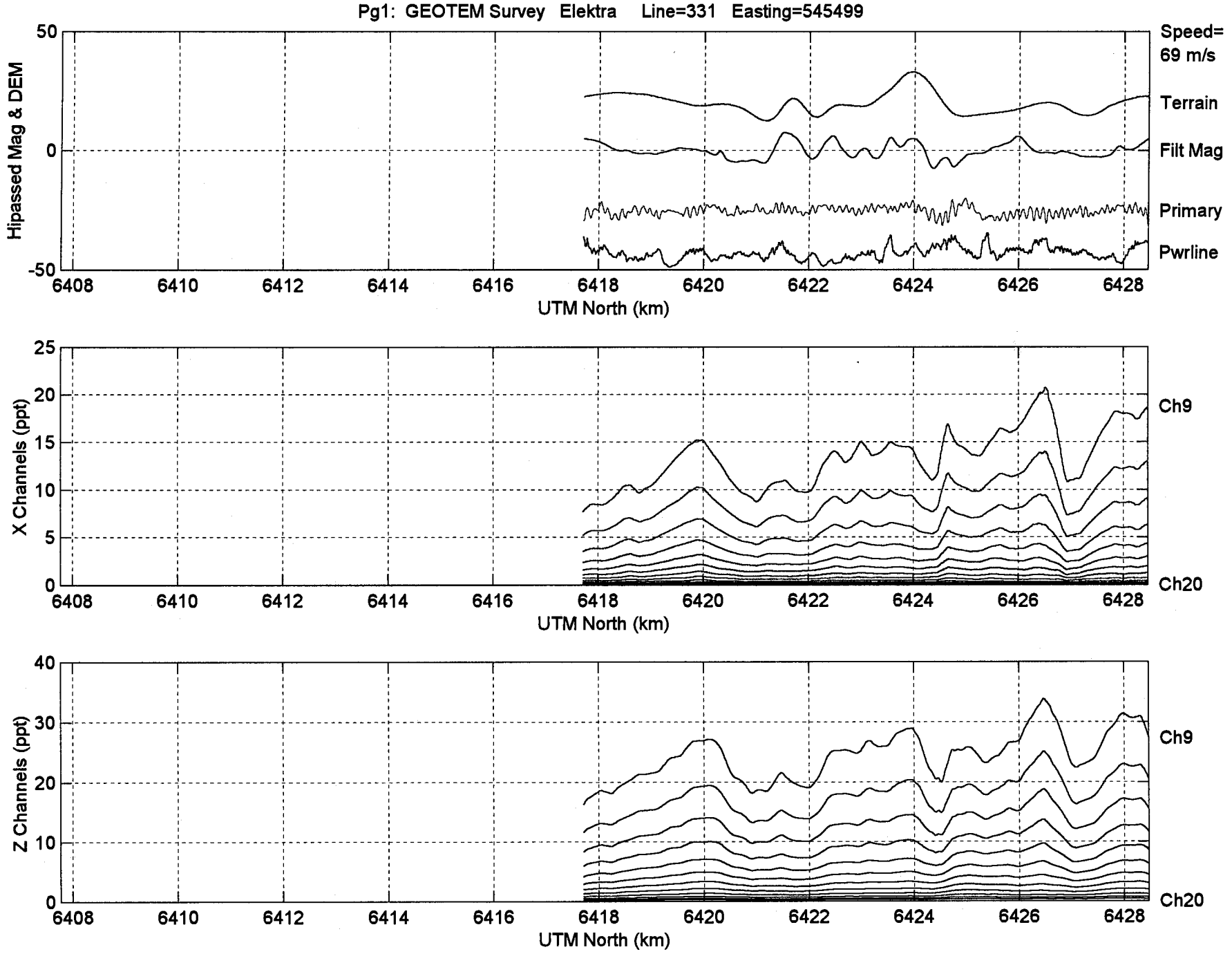

Pg1: GEOTEM Survey Elektra Line=326 Easting=544487
Hipassed Mag & DEM
50
0
-50
Speed=
-66 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

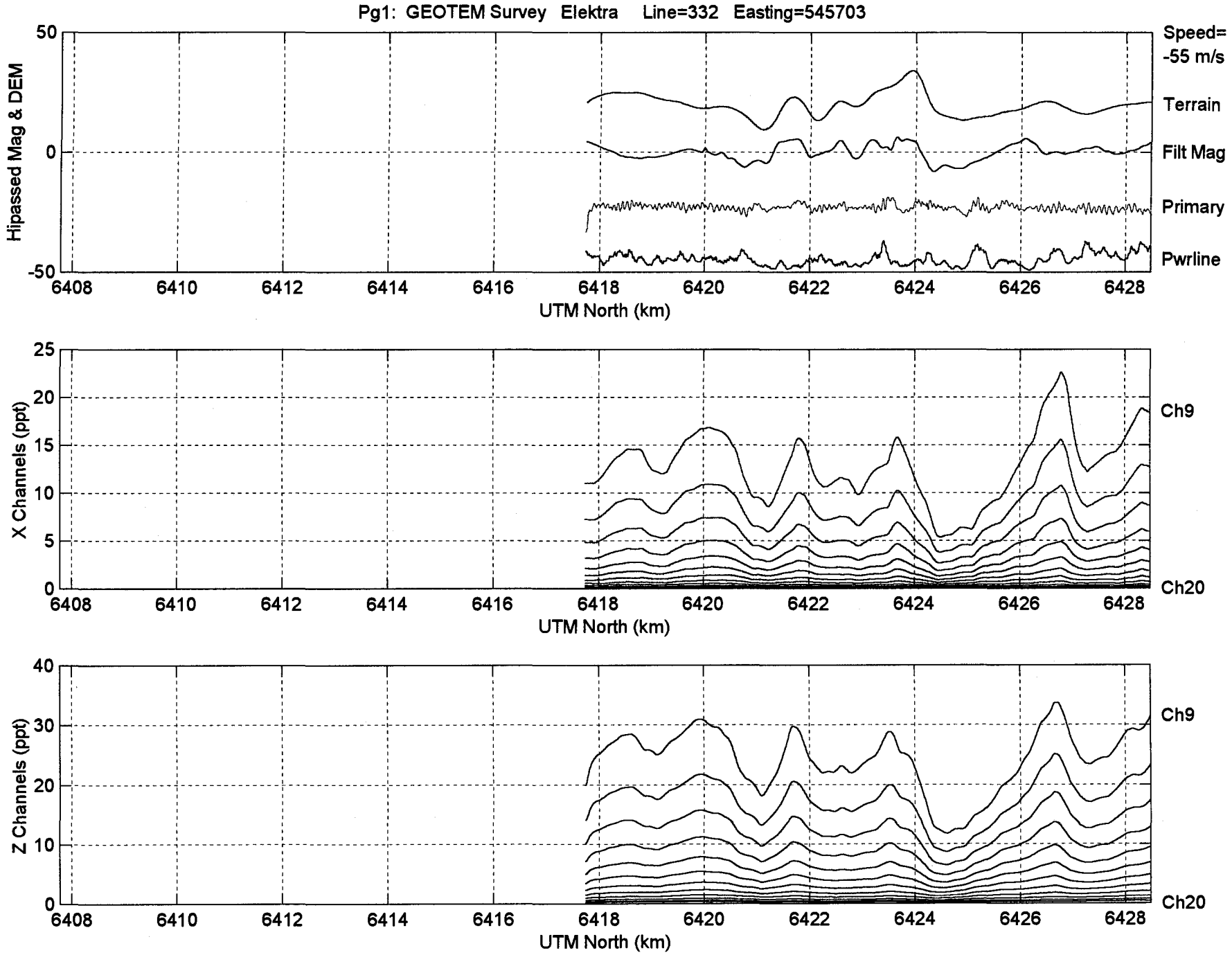

Pg1: GEOTEM Survey Elektra Line=327 Easting=544702
Hipassed Mag & DEM
50
0
-50
I3
Speed=
64 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

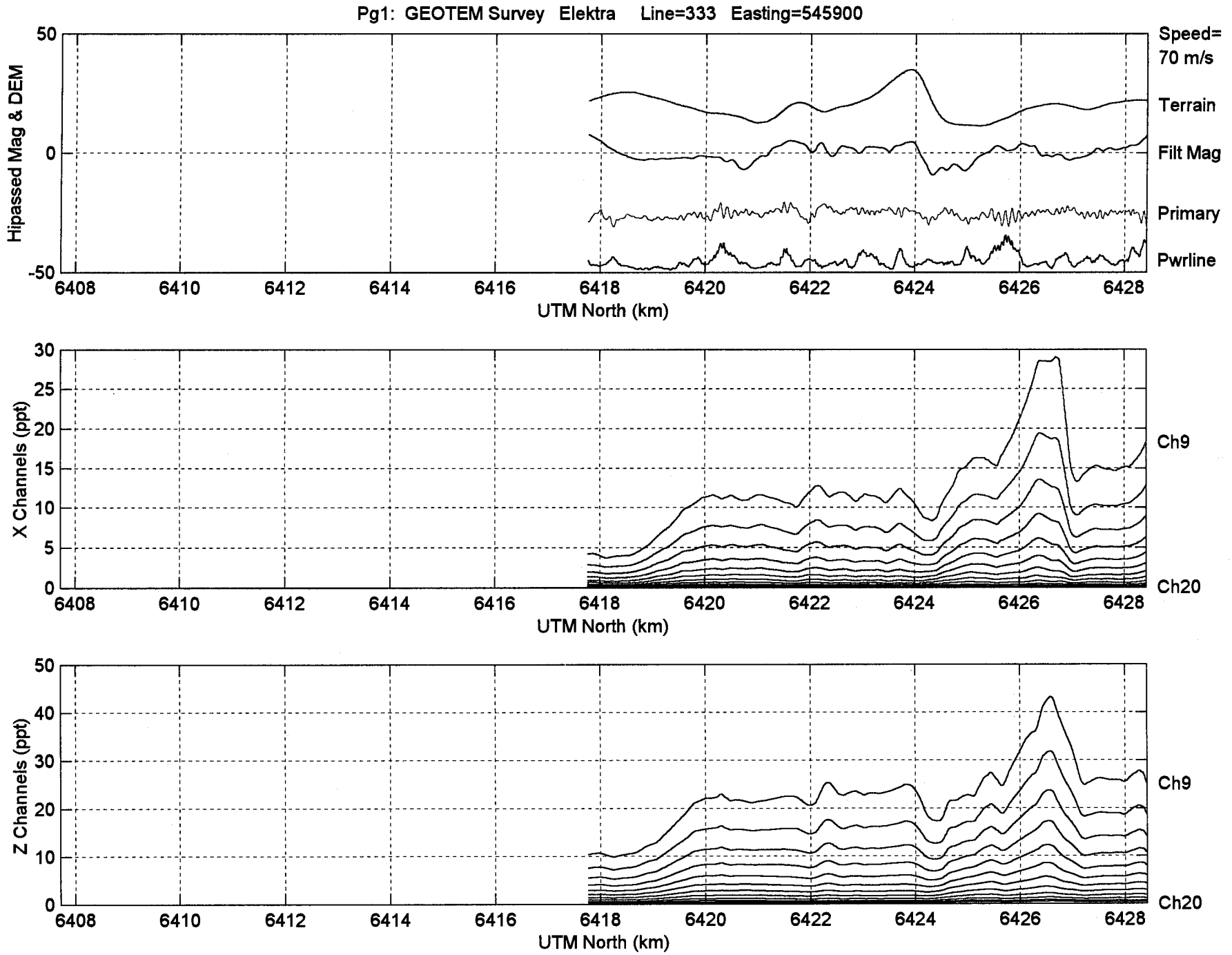

Pg1: GEOTEM Survey Elektra Line=328 Easting=544896
Hipassed Mag & DEM
50
0
-50
Speed=
-66 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

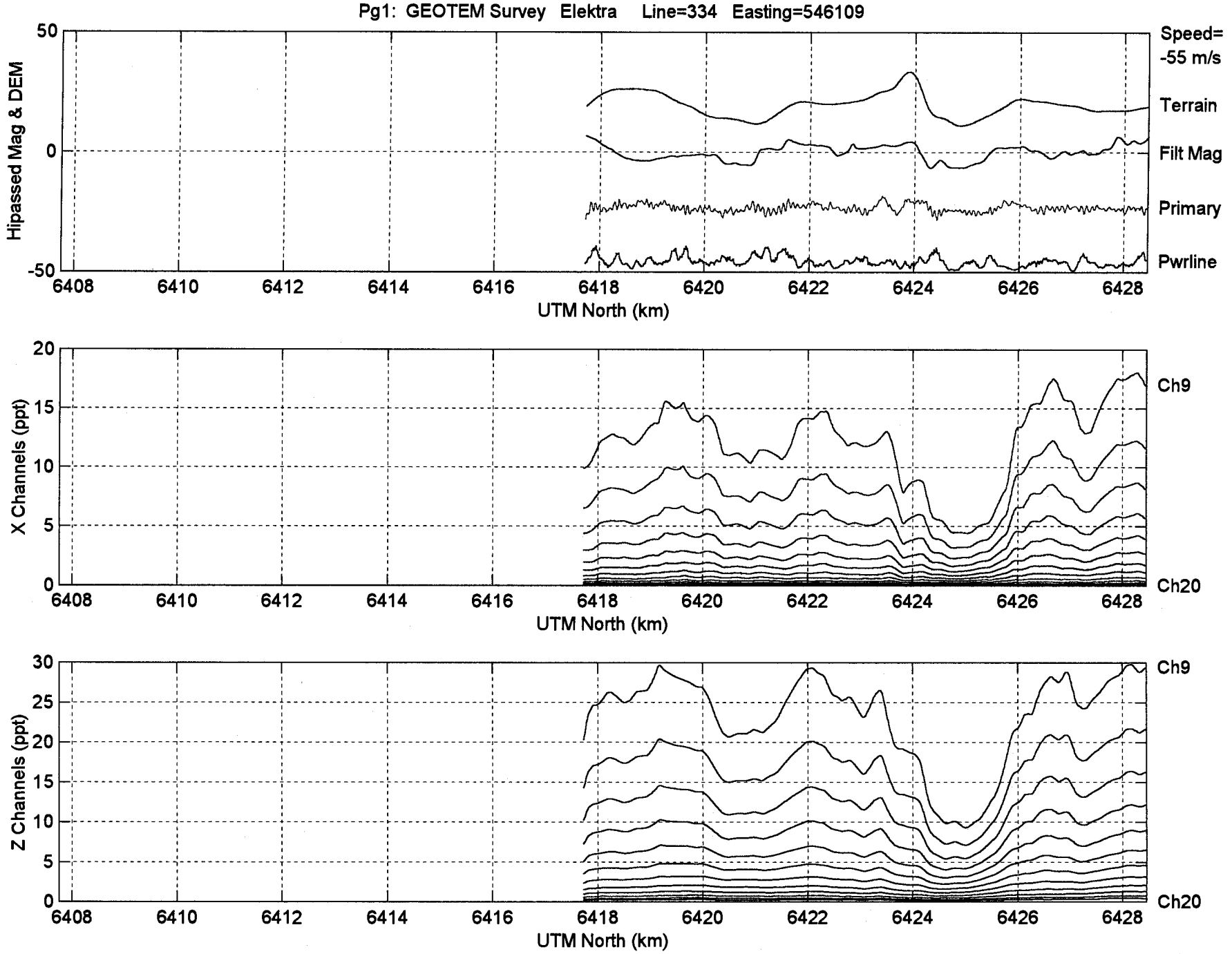

Pg1: GEOTEM Survey Elektra Line=329 Easting=545098
Hipassed Mag & DEM
50
0
-50
Speed=
65 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

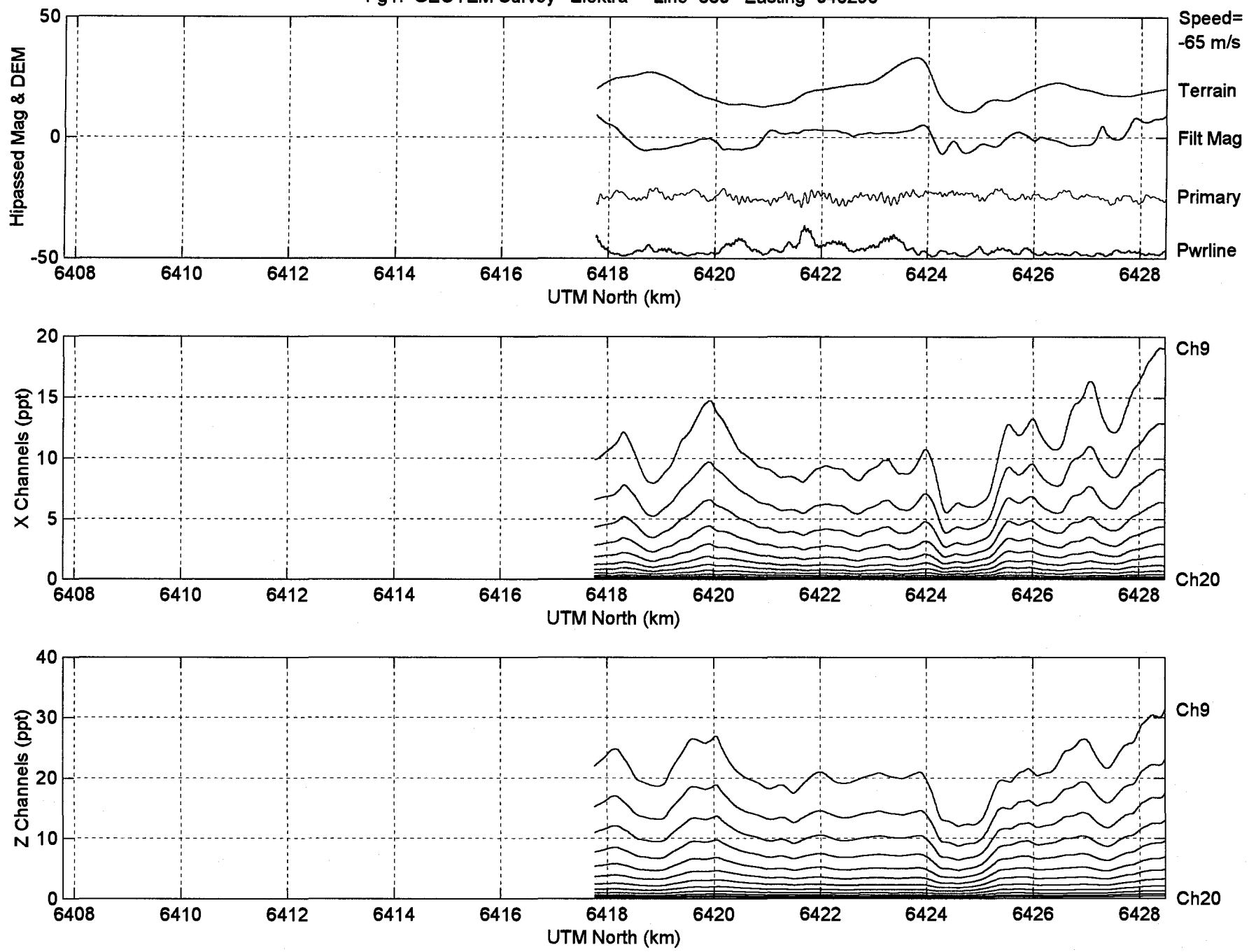

Pg1: GEOTEM Survey Elektra Line=330 Easting=545302
Hipassed Mag & DEM
50
0
-50
Speed=
-56 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)

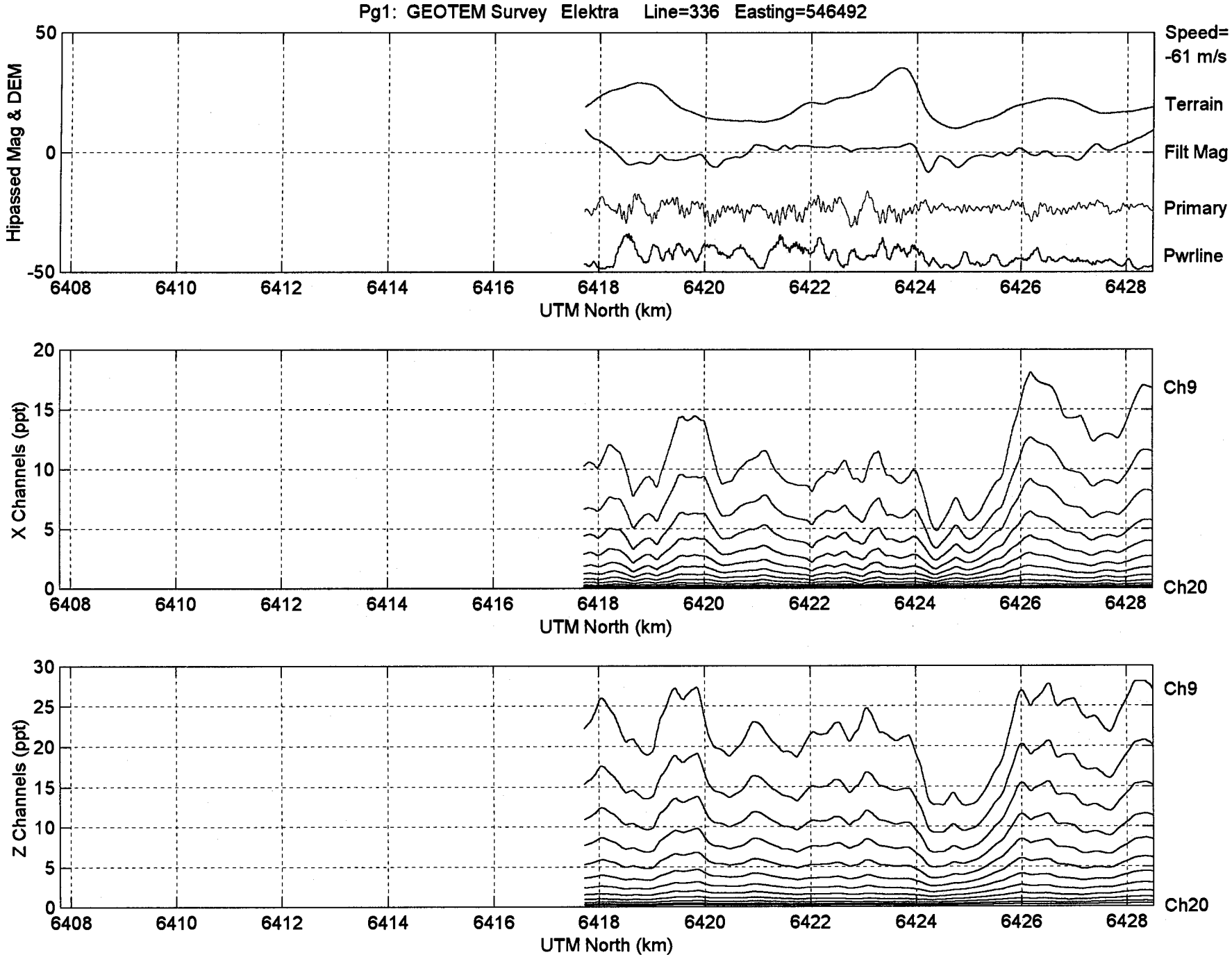

Pg1: GEOTEM Survey Elektra Line=331 Easting=545499
Hipassed Mag & DEM
50
0
-50
Speed=
69 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)

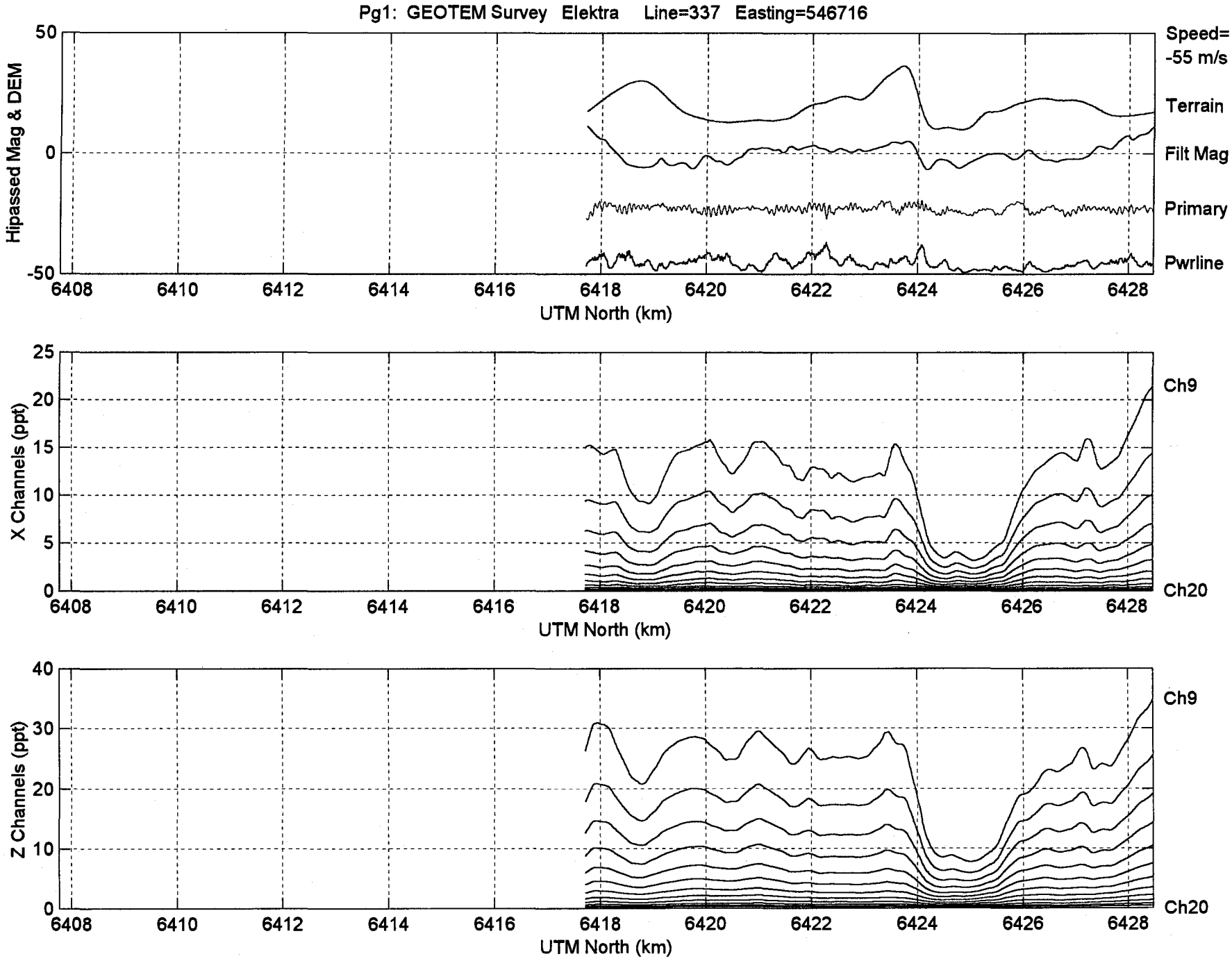

Pg1: GEOTEM Survey Elektra Line=332 Easting=545703
Hipassed Mag & DEM
50
0
-50
Speed=
-55 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)

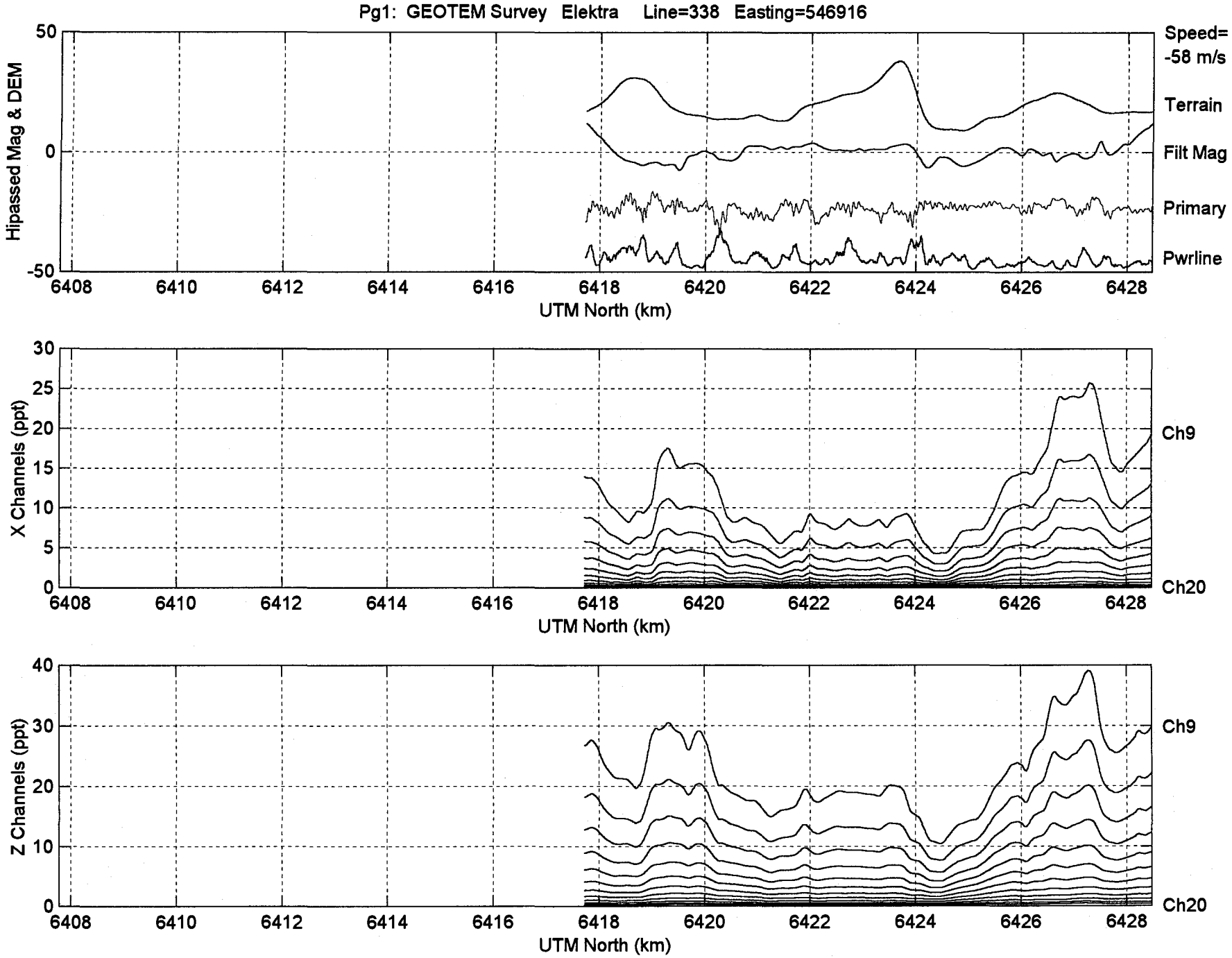

Pg1: GEOTEM Survey Elektra Line=333 Easting=545900
Hipassed Mag & DEM
50
0
-50
Speed=
70 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

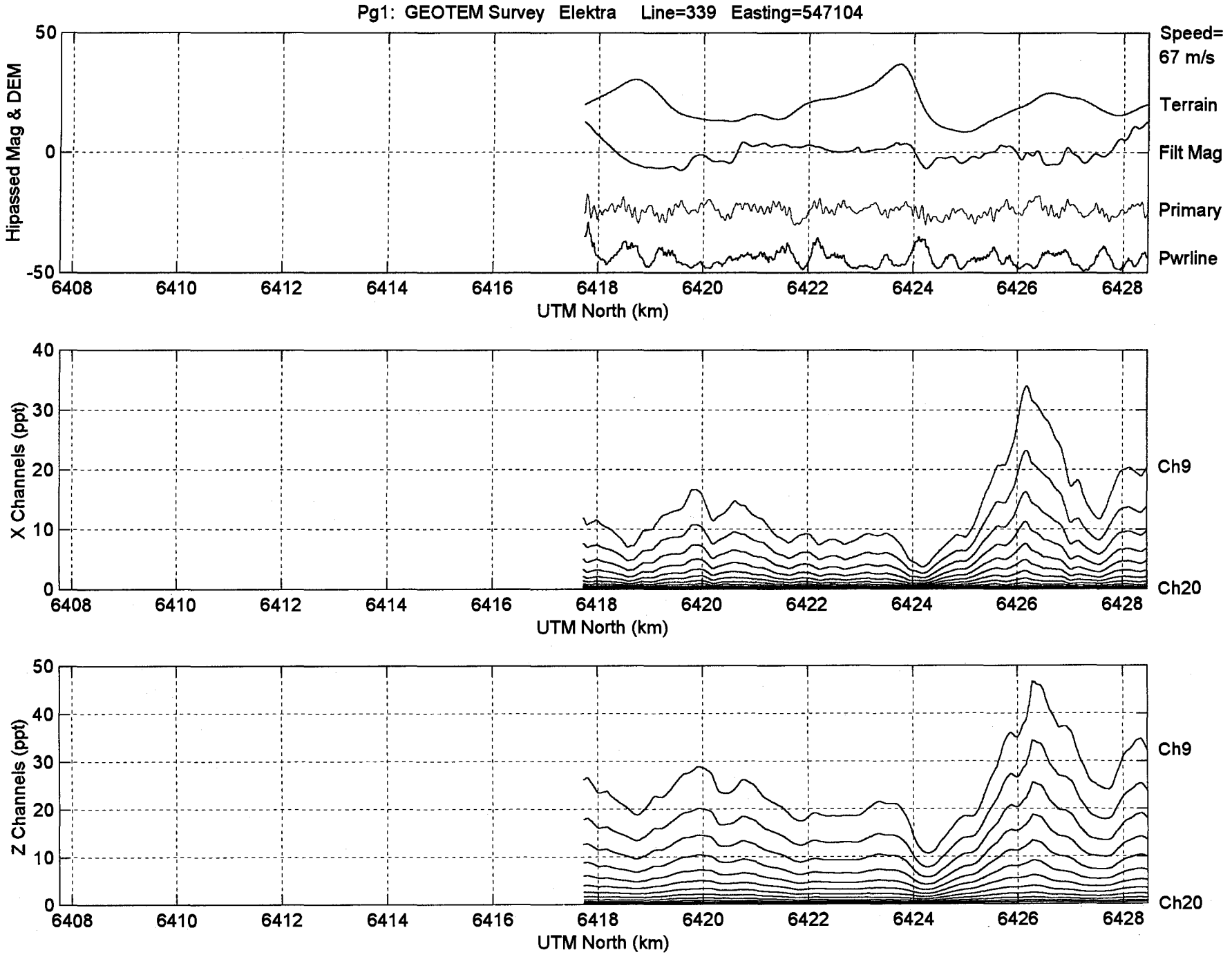

Pg1: GEOTEM Survey Elektra Line=334 Easting=546109
Hipassed Mag & DEM
50
0
-50
Speed=
-55 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)

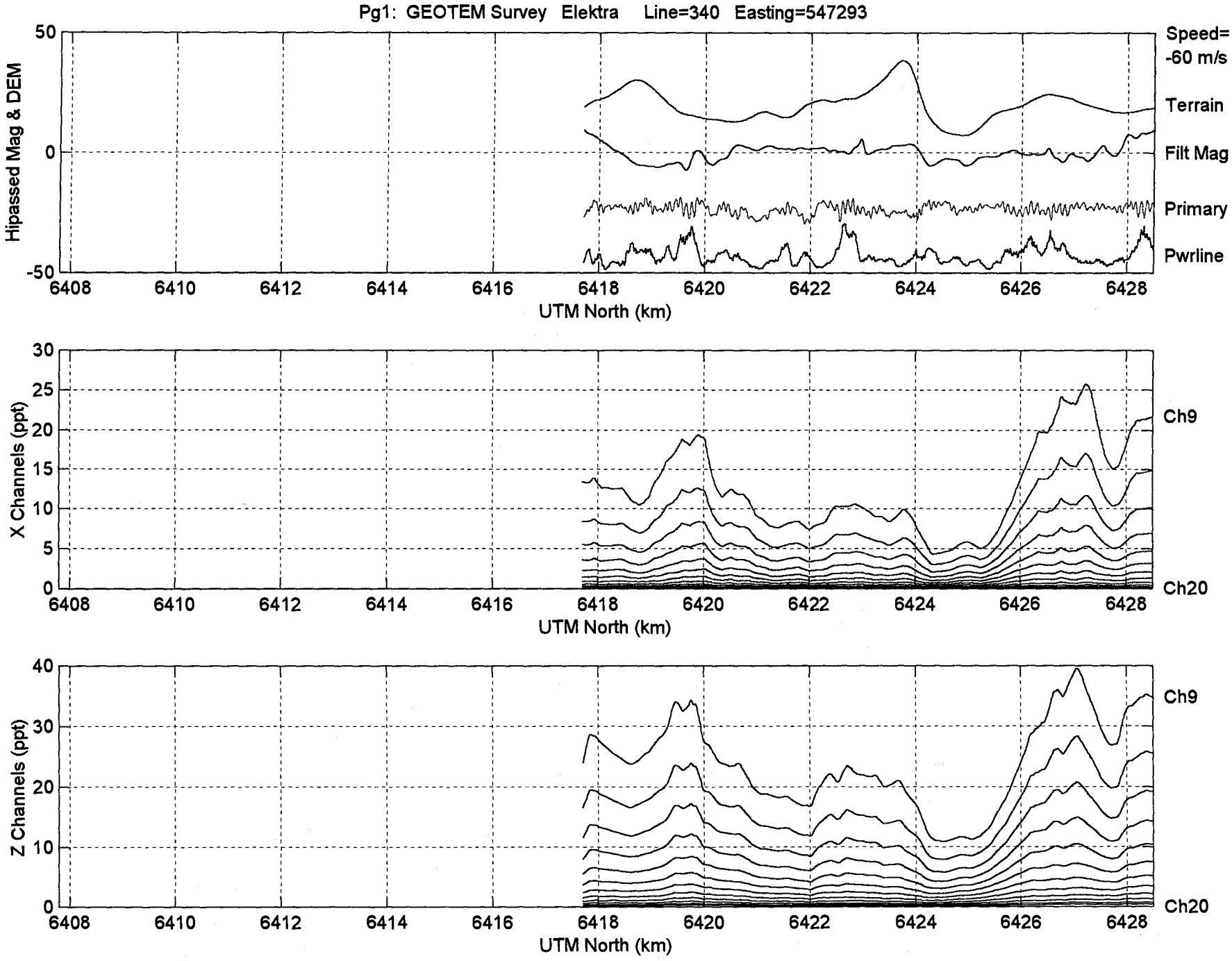

Pg1: GEOTEM Survey Elektra Line=335 Easting=546296
Hipassed Mag & DEM
50
0
-50
Speed=
-65 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)

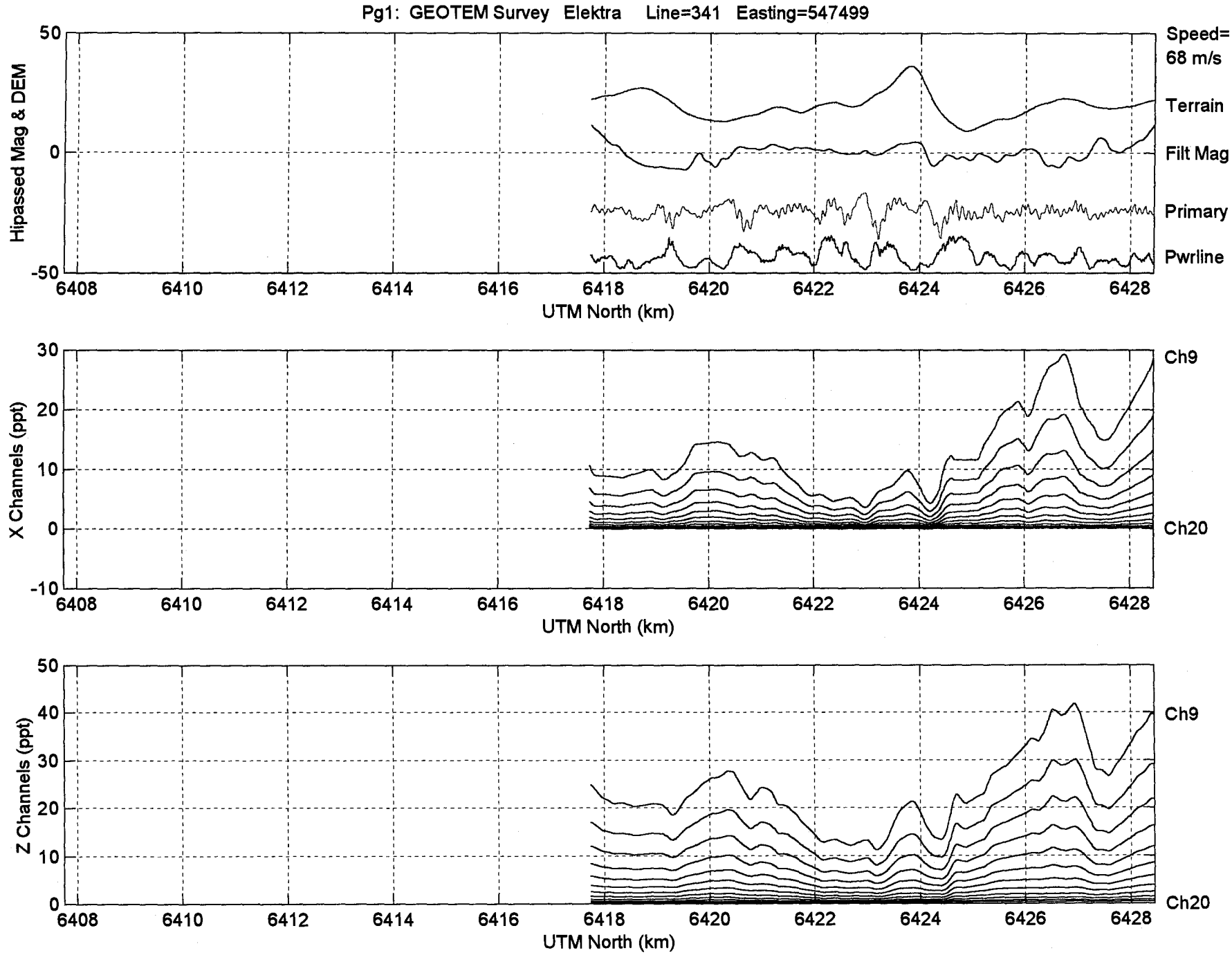

Pg1: GEOTEM Survey Elektra Line=336 Easting=546492
Hipassed Mag & DEM
50
0
-50
Speed=
-61 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)

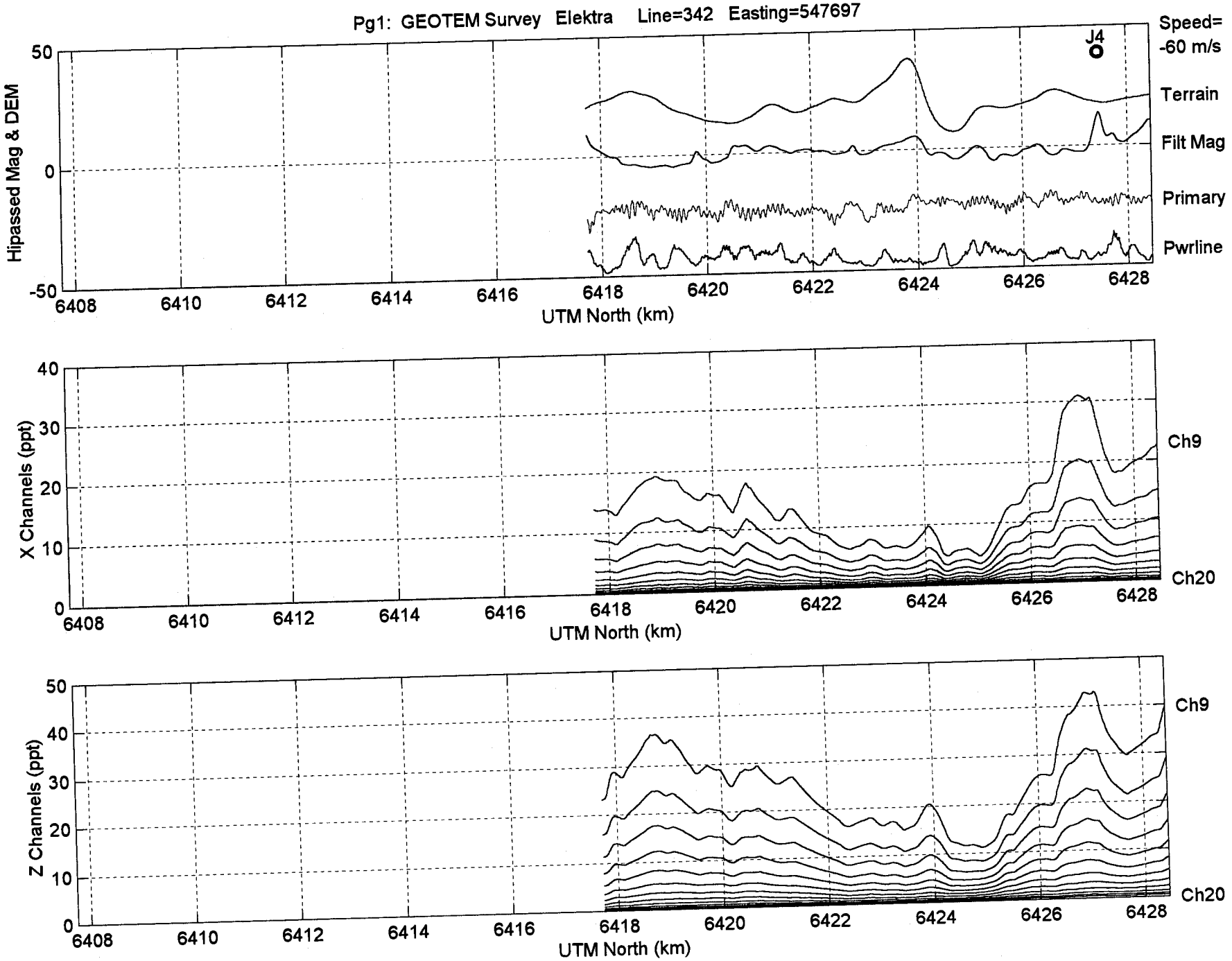

Pg1: GEOTEM Survey Elektra Line=337 Easting=546716
Hipassed Mag & DEM
50
0
-50
Speed=
-55 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)

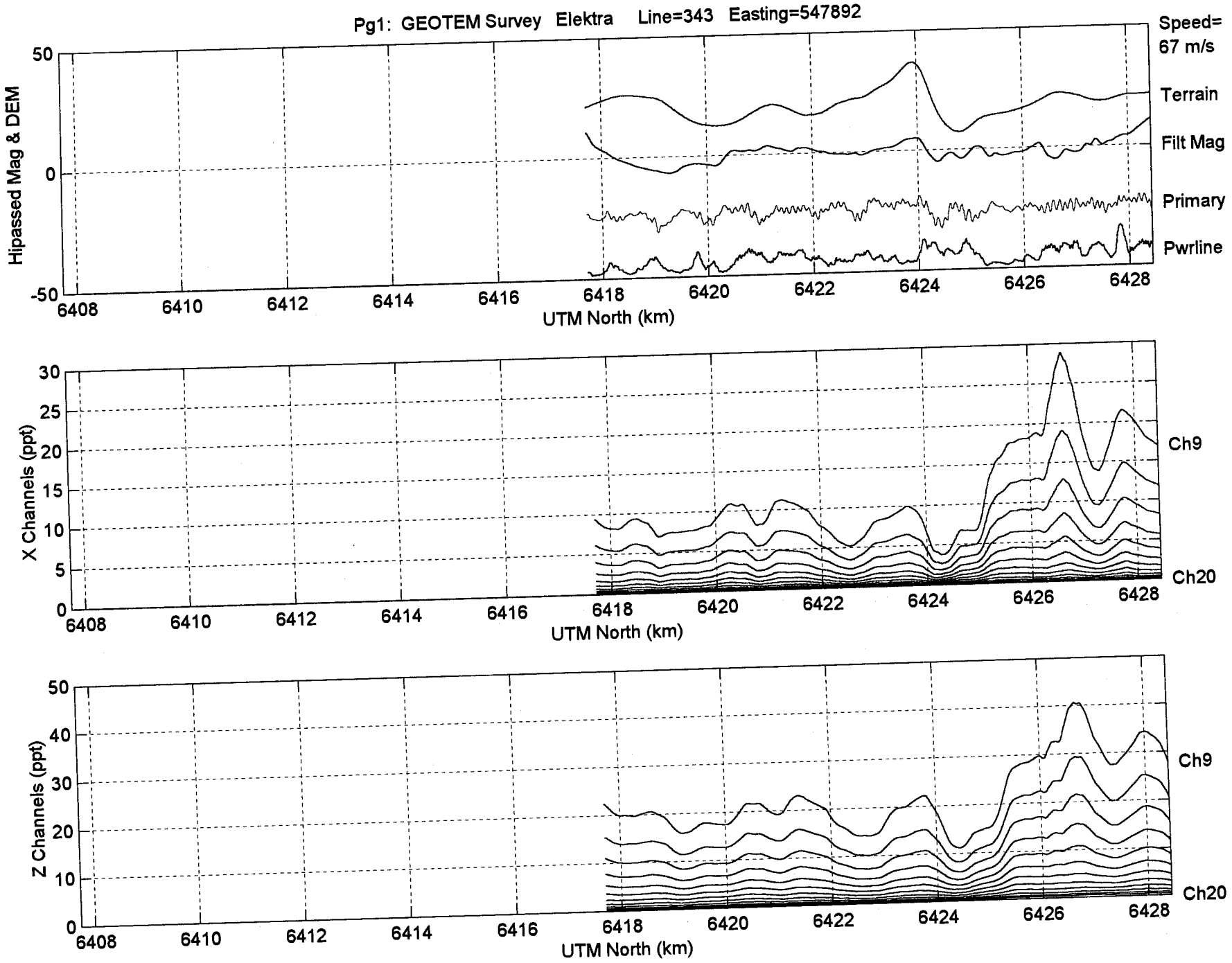

Pg1: GEOTEM Survey Elektra Line=338 Easting=546916
Hipassed Mag & DEM
50
0
-50
Speed=
-58 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)

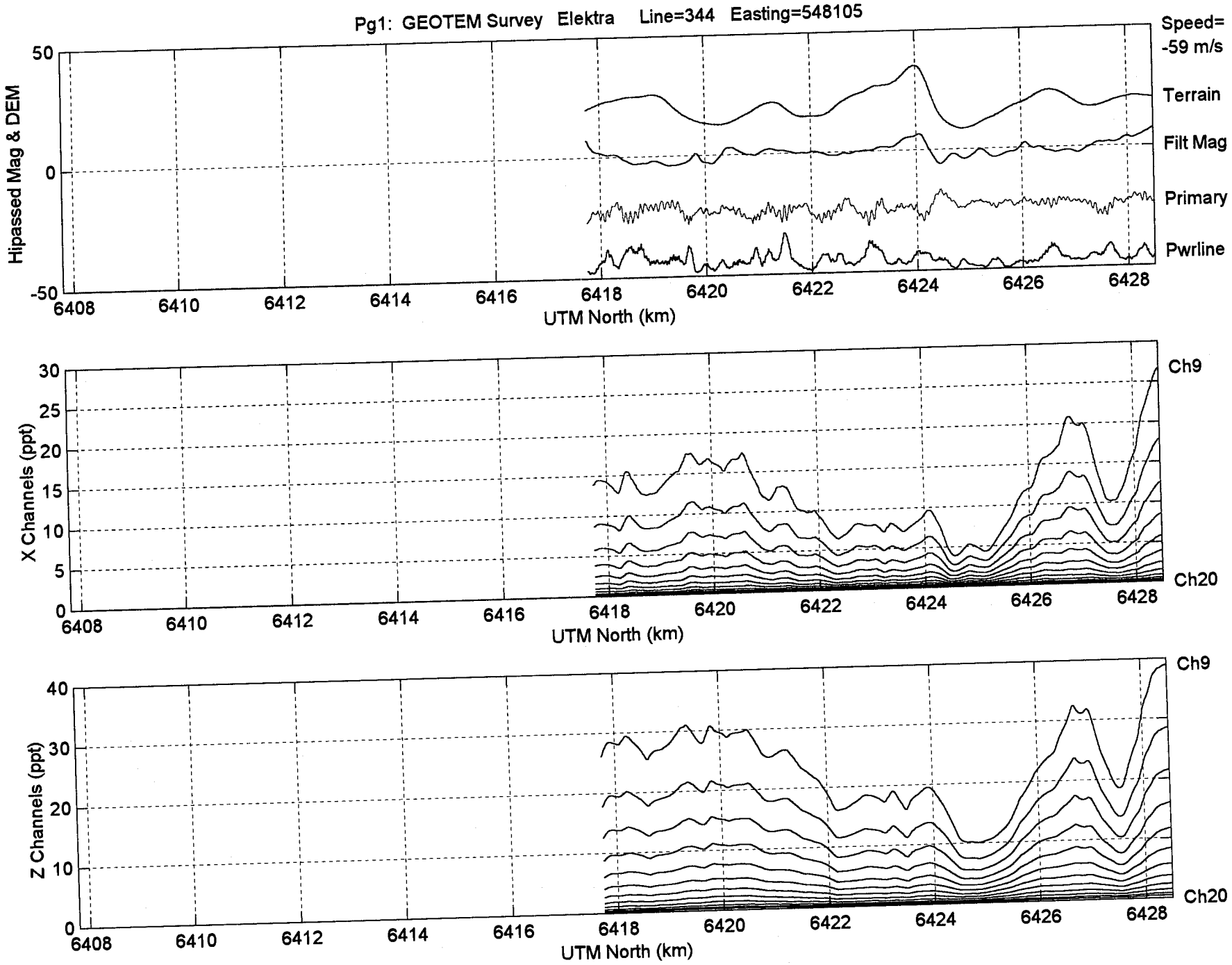

Pg1: GEOTEM Survey Elektra Line=339 Easting=547104
Hipassed Mag & DEM
50
0
-50
Speed=
67 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

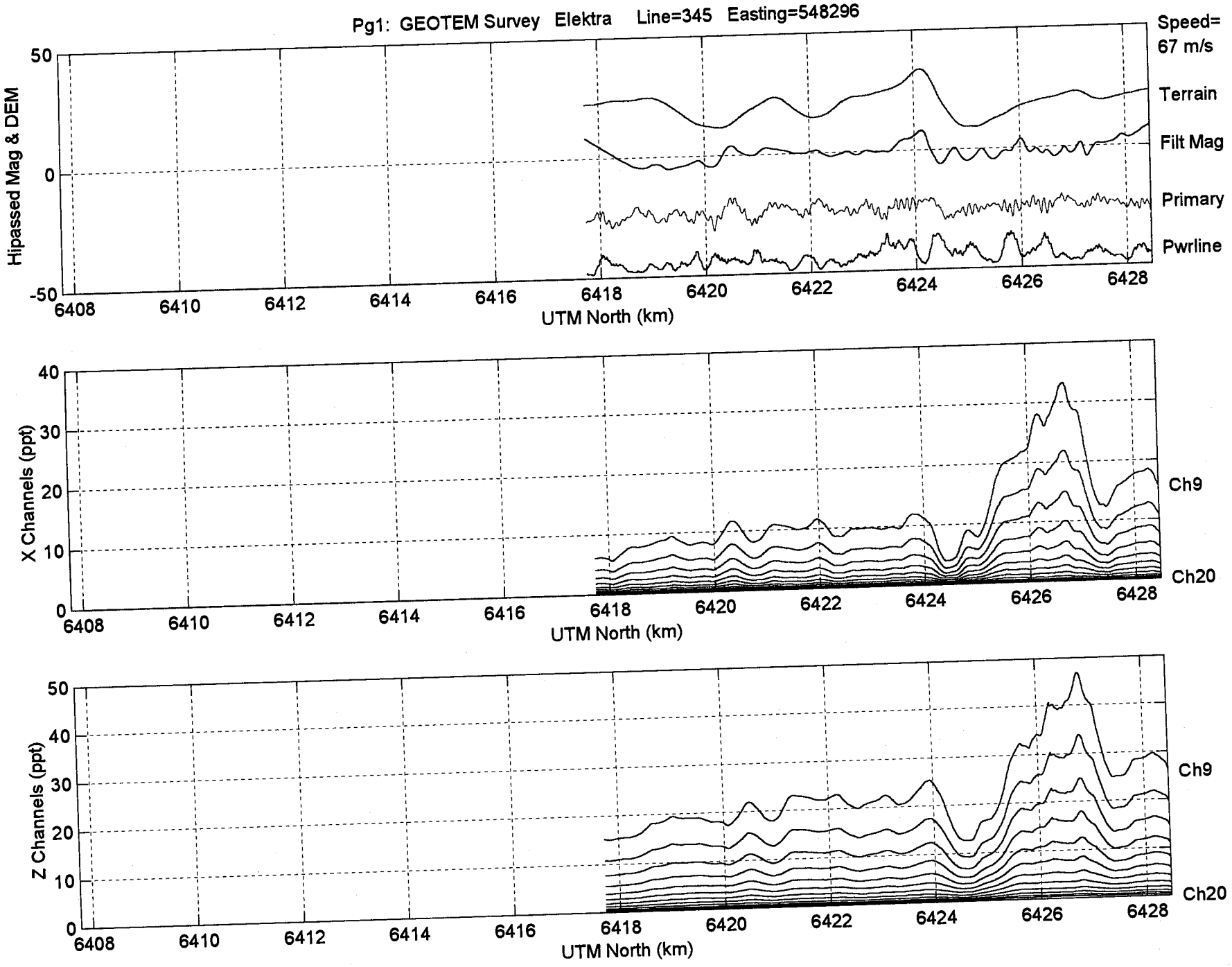

Pg1: GEOTEM Survey Elektra Line=340 Easting=547293
Hipassed Mag & DEM
50
0
-50
Speed=
-60 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)

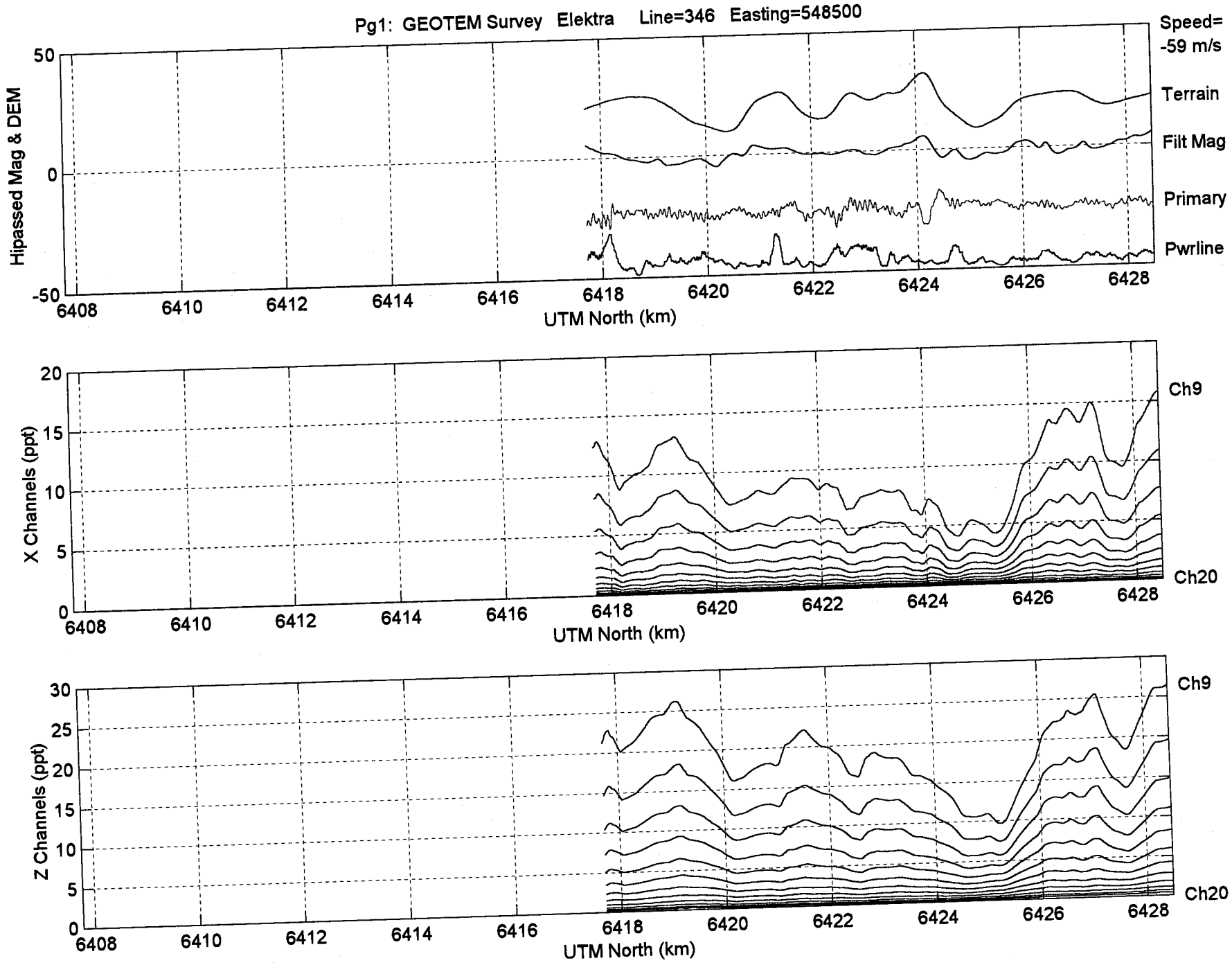

Pg1: GEOTEM Survey Elektra Line=341 Easting=547499
Hipassed Mag & DEM
50
0
-50
Speed=
68 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
20
10
0
-10
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

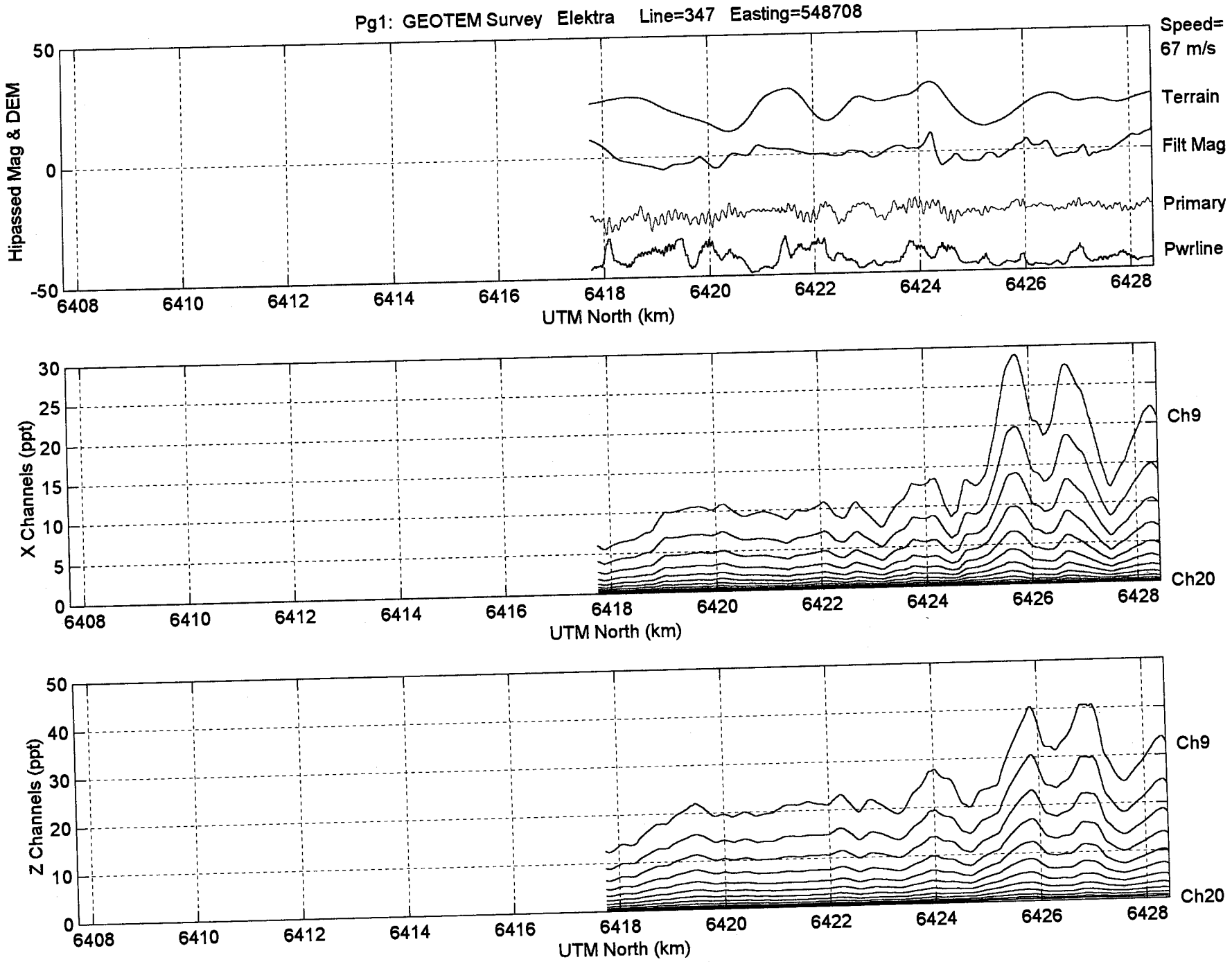

Pg1: GEOTEM Survey Elektra Line=342 Easting=547697
Speed=
-60 m/s
J4
Hipassed Mag & DEM
50
0
-50
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

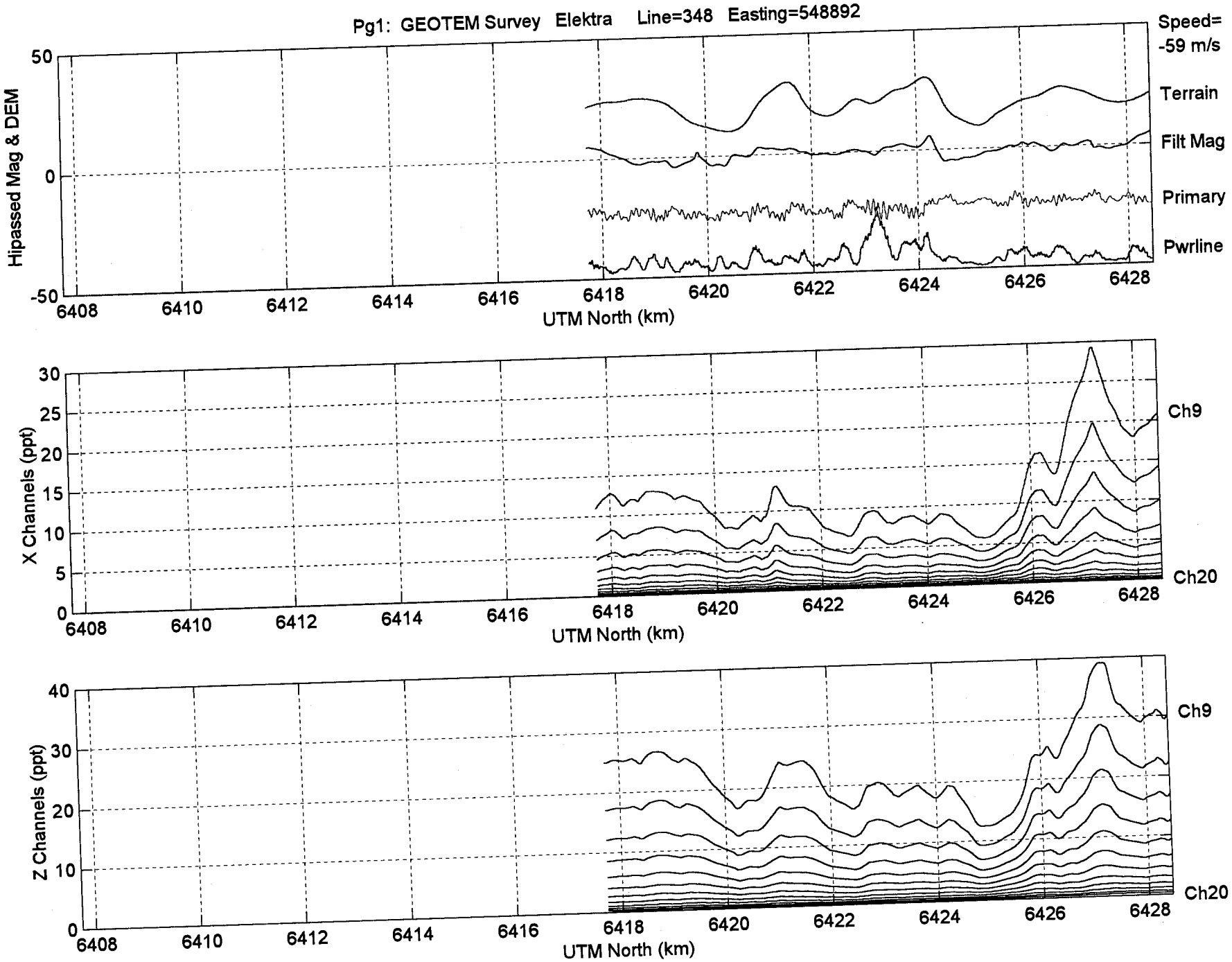

Pg1: GEOTEM Survey Elektra Line=343 Easting=547892
Speed= 67 m/s
Terrain
Filt Mag
Primary
Pwrline
Hipassed Mag & DEM
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

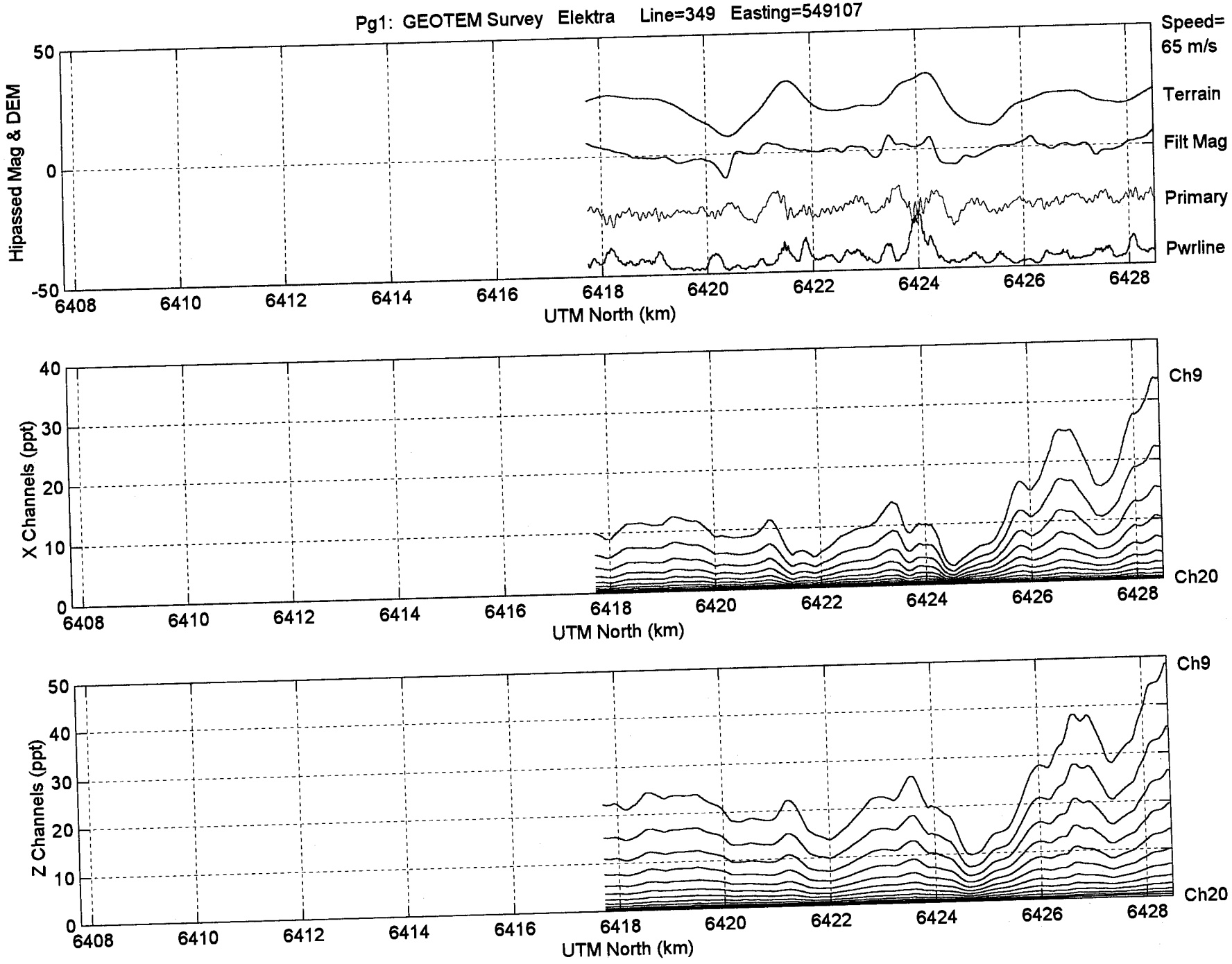

Pg1: GEOTEM Survey Elektra Line=344 Easting=548105
Speed=
-59 m/s
Terrain
Filt Mag
Primary
Pwrline
Hipassed Mag & DEM
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)

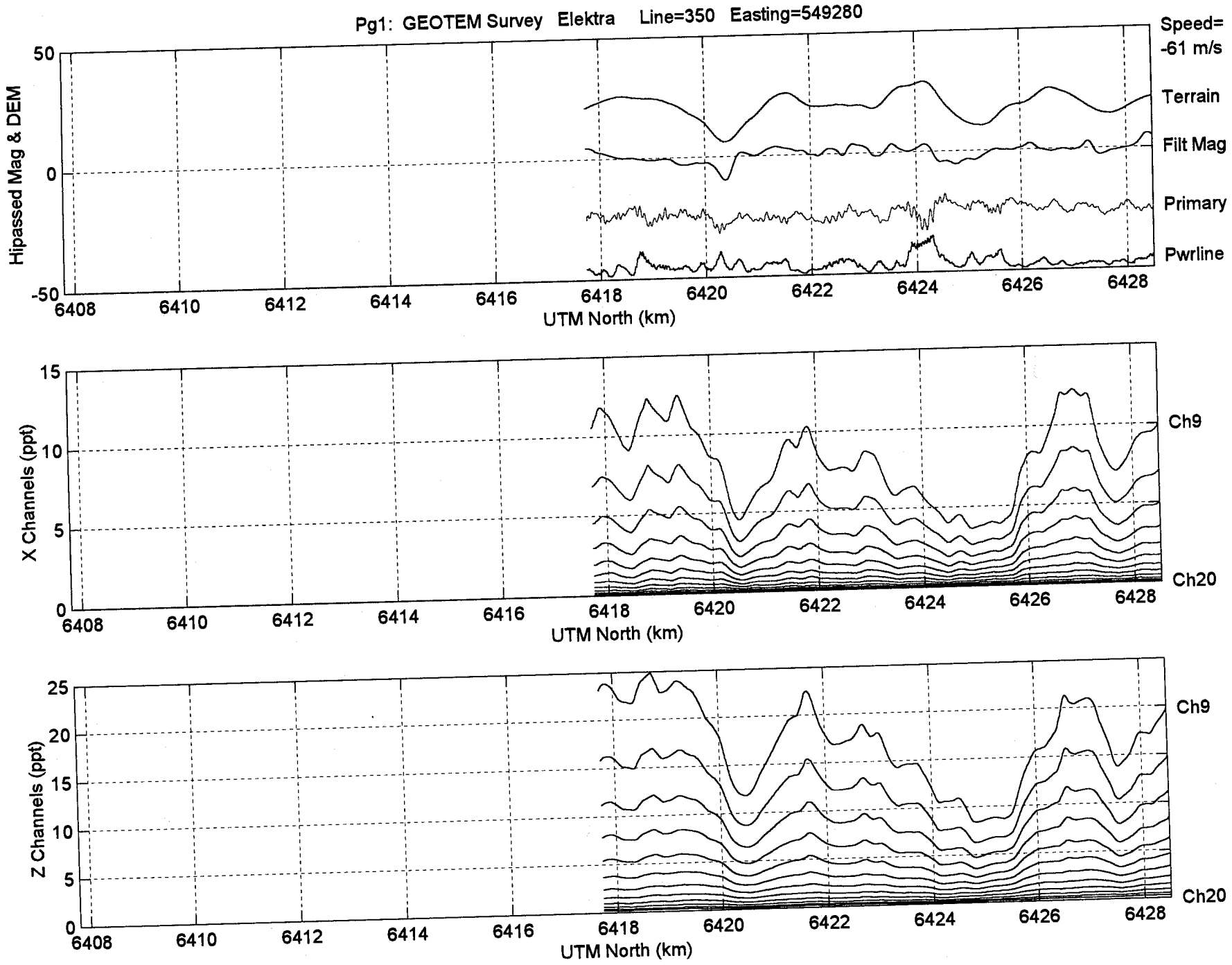

Pg1: GEOTEM Survey Elektra Line=345 Easting=548296
Speed= 67 m/s
Terrain
Filt Mag
Primary
Pwrline
Hipassed Mag & DEM
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

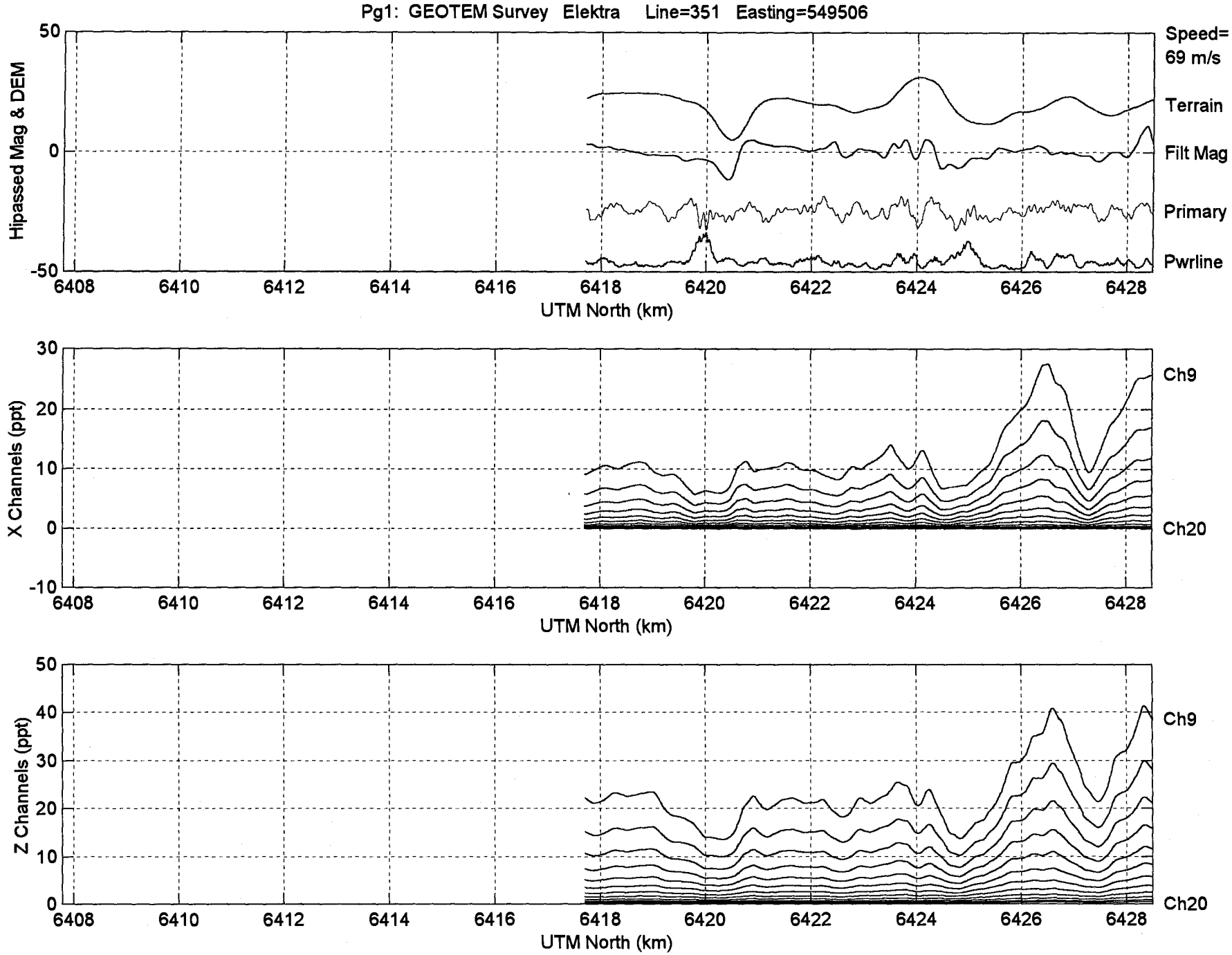

Pg1: GEOTEM Survey Elektra Line=346 Easting=548500
Speed= -59 m/s
Terrain
Filt Mag
Primary
Pwrline
Hipassed Mag & DEM
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
30
25
20
15
10
5
0

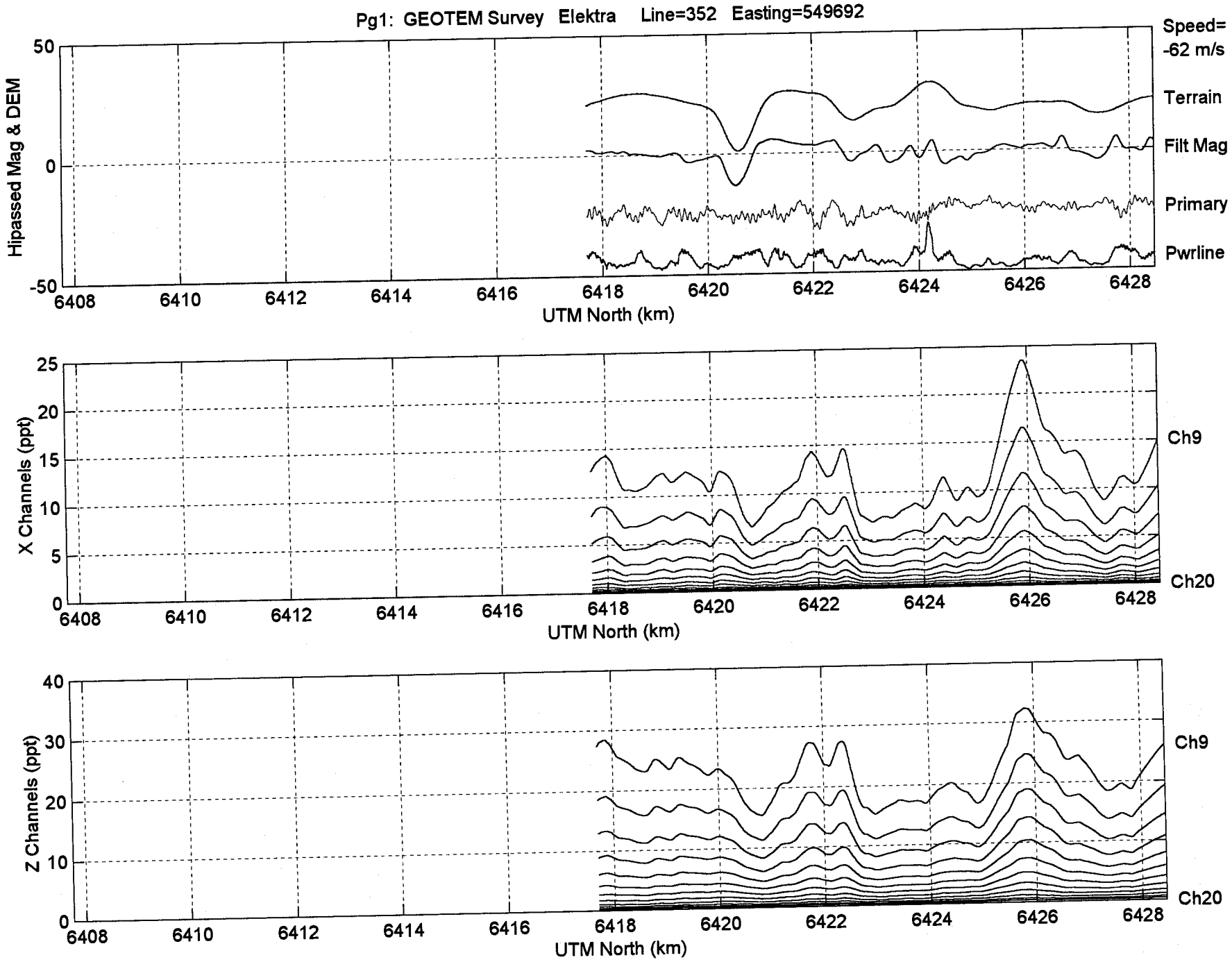

Pg1: GEOTEM Survey Elektra Line=347 Easting=548708
Speed= 67 m/s
Terrain
Filt Mag
Primary
Pwrline
Hipassed Mag & DEM
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

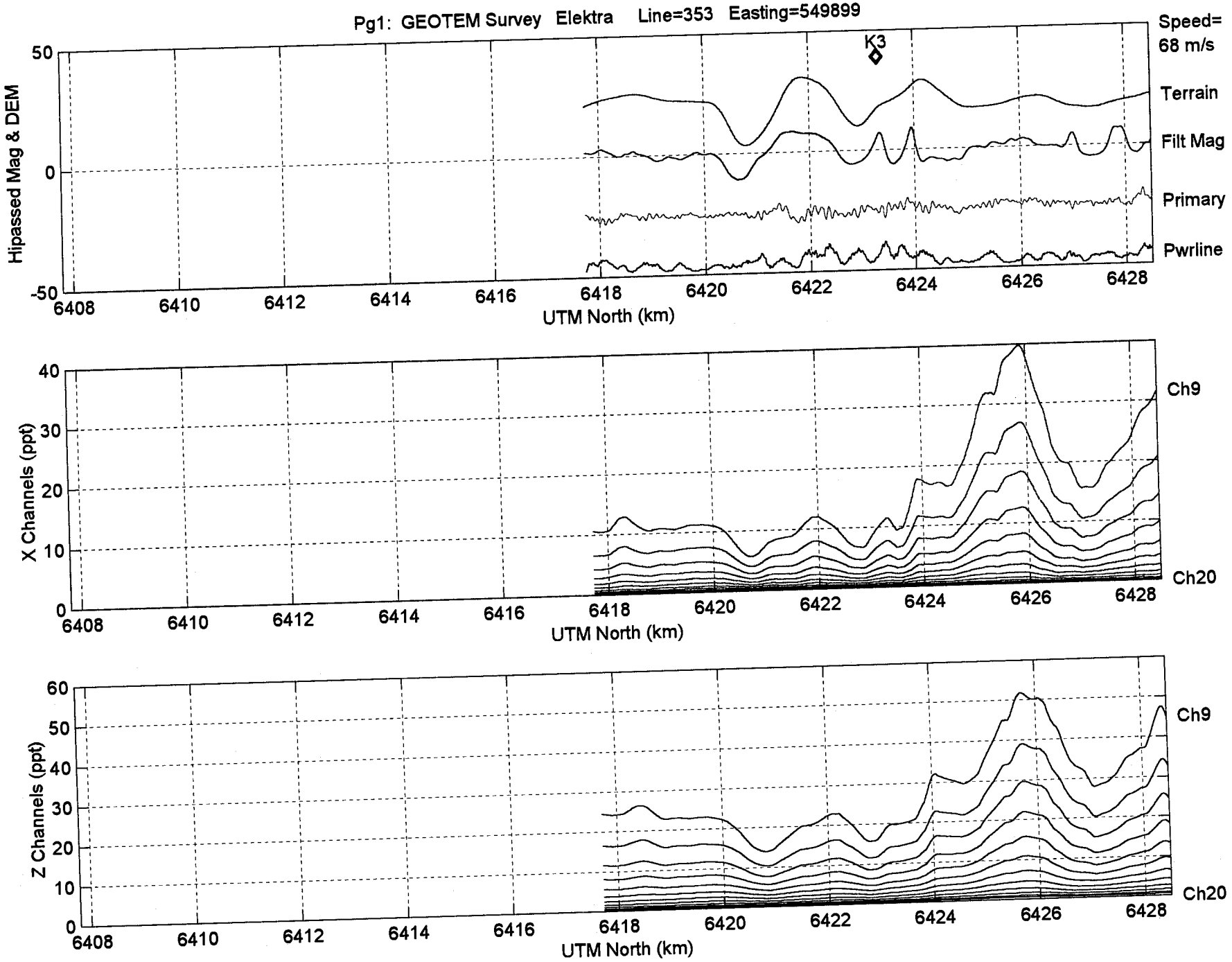

Pg1: GEOTEM Survey Elektra Line=348 Easting=548892
Speed=
-59 m/s
Terrain
Filt Mag
Primary
Pwrline
Hipassed Mag & DEM
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)

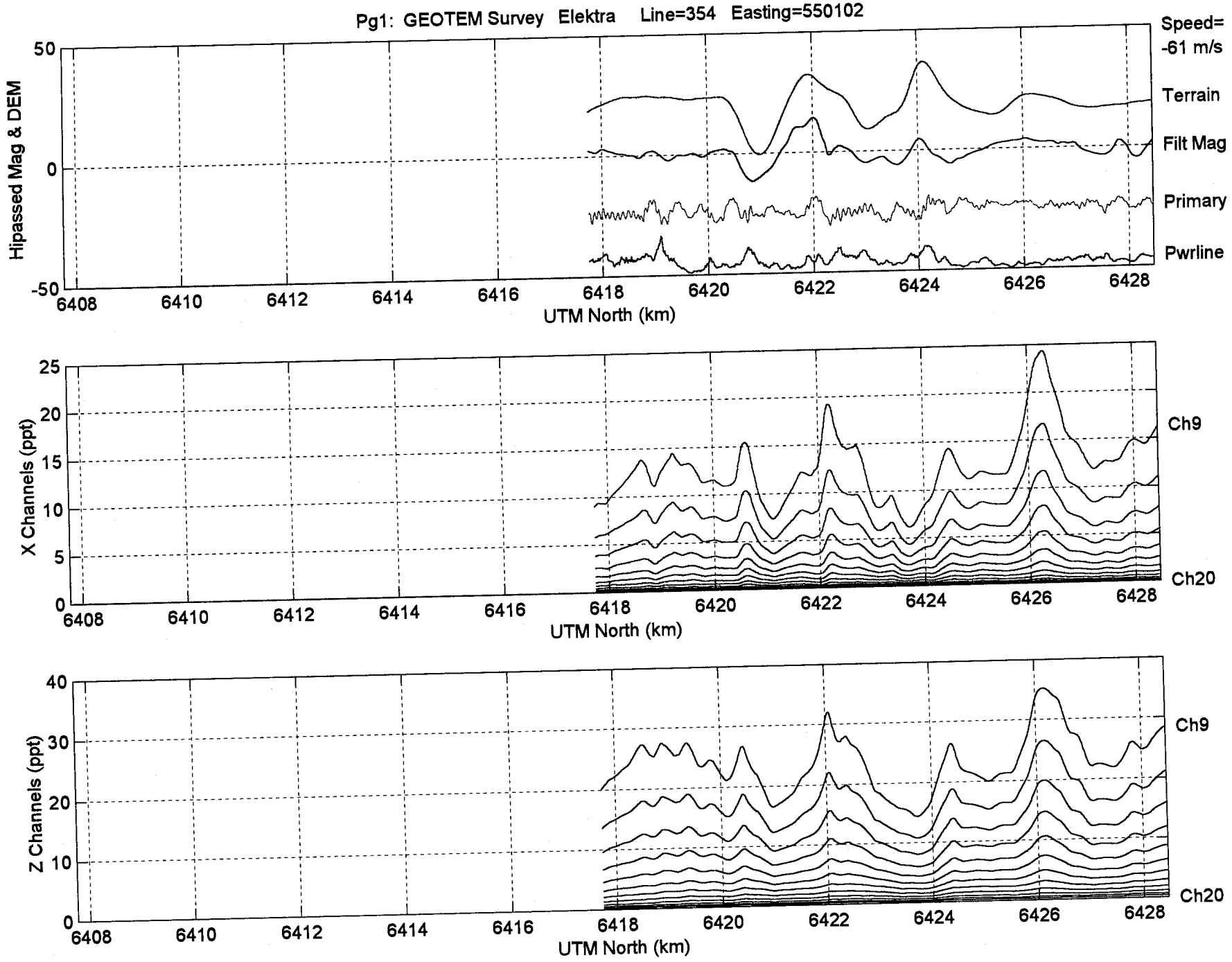

Pg1: GEOTEM Survey Elektra Line=349 Easting=549107
Speed= 65 m/s
Terrain
Filt Mag
Primary
Pwrline
Hipassed Mag & DEM
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)

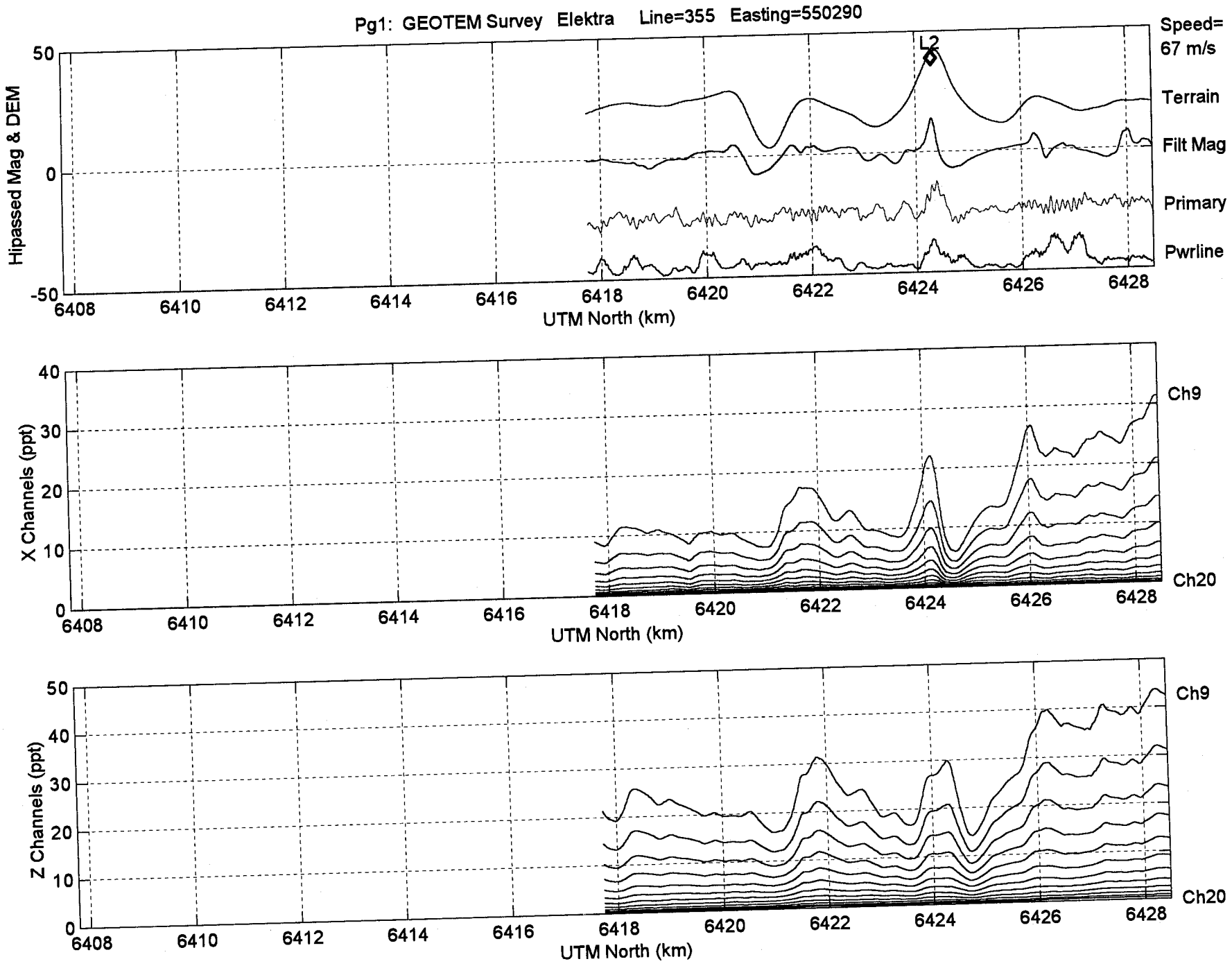

Pg1: GEOTEM Survey Elektra Line=350 Easting=549280
Speed=
-61 m/s
Terrain
Filt Mag
Primary
Pwrline
Hipassed Mag & DEM
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)

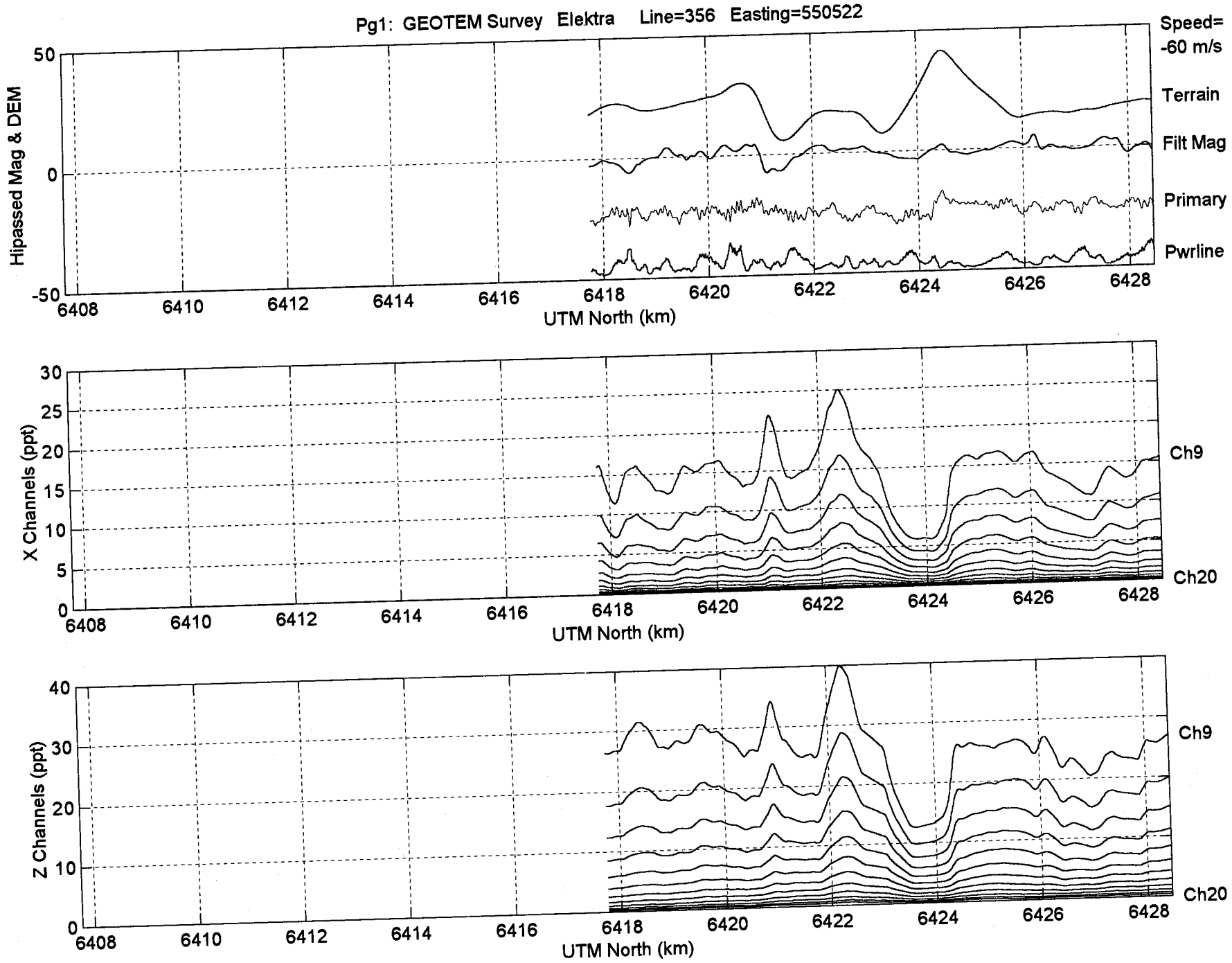

Pg1: GEOTEM Survey Elektra Line=351 Easting=549506
Hipassed Mag & DEM
50
0
-50
Speed=
69 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
20
10
0
-10
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

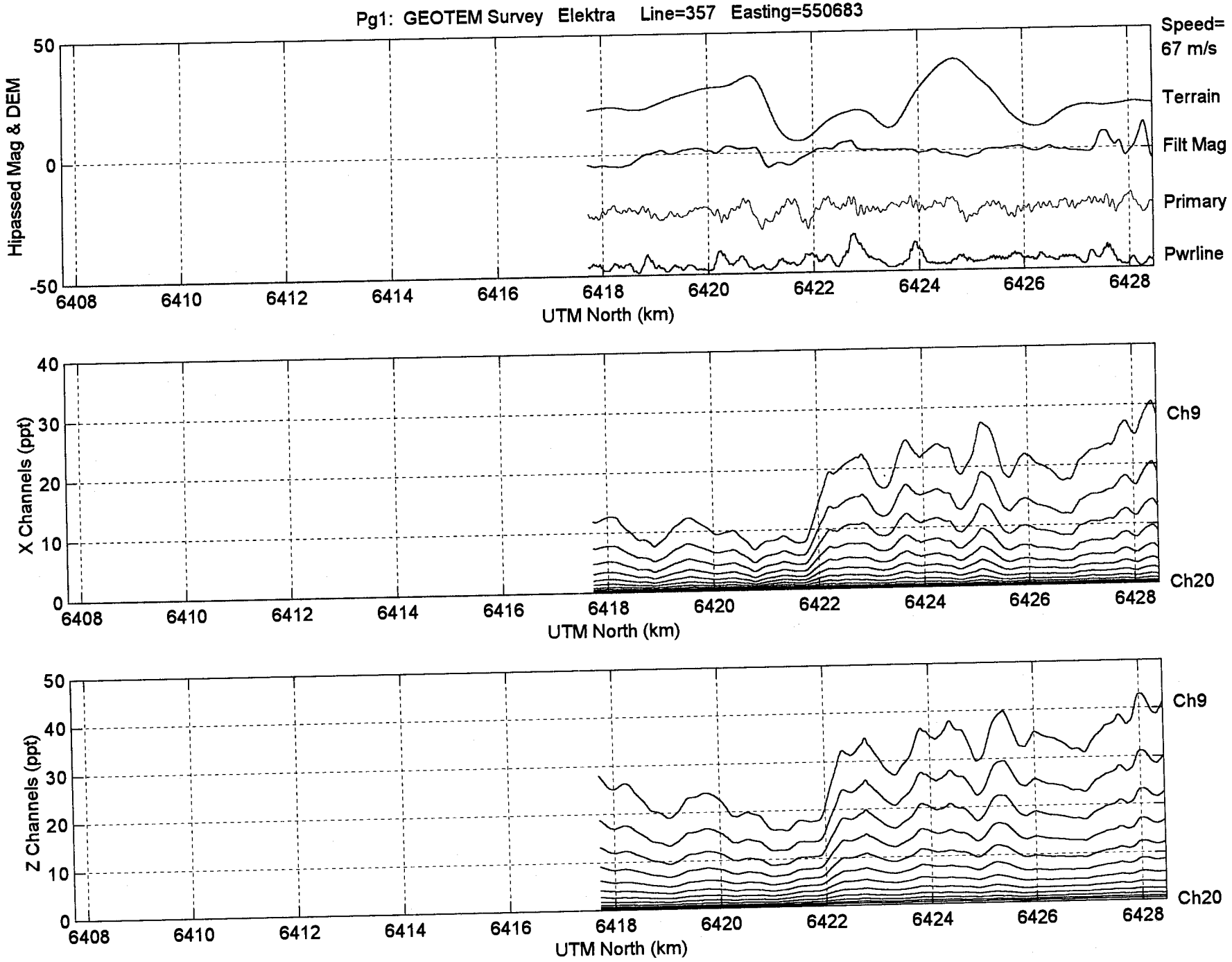

Pg1: GEOTEM Survey Elektra Line=352 Easting=549692
Speed=
-62 m/s
Terrain
Filt Mag
Primary
Pwrline
Hipassed Mag & DEM
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)

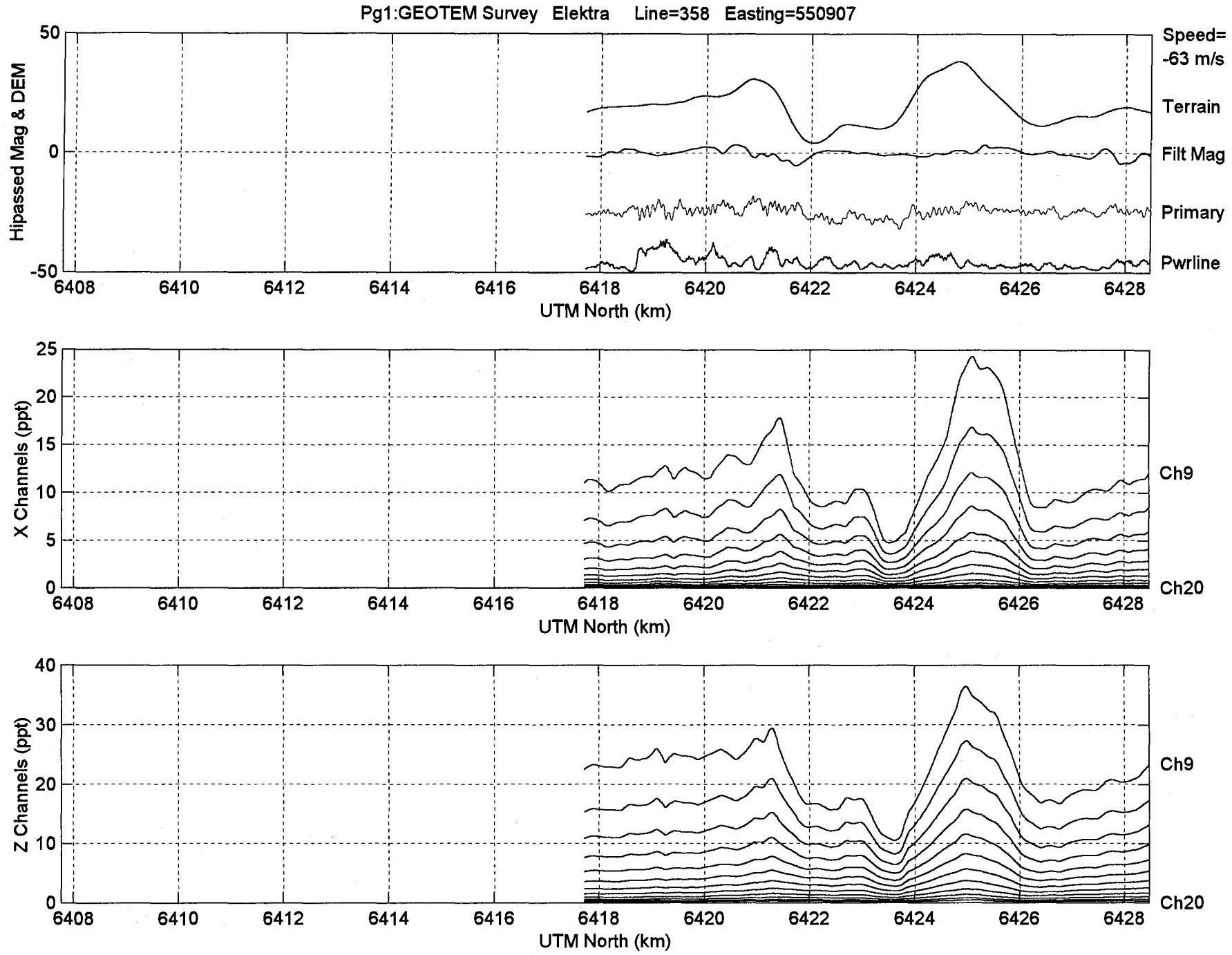

Pg1: GEOTEM Survey Elektra Line=353 Easting=549899
Speed= 68 m/s
K3
Terrain
Filt Mag
Primary
Pwrline
Hipassed Mag & DEM
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)
60
50
40
30
20
10
0

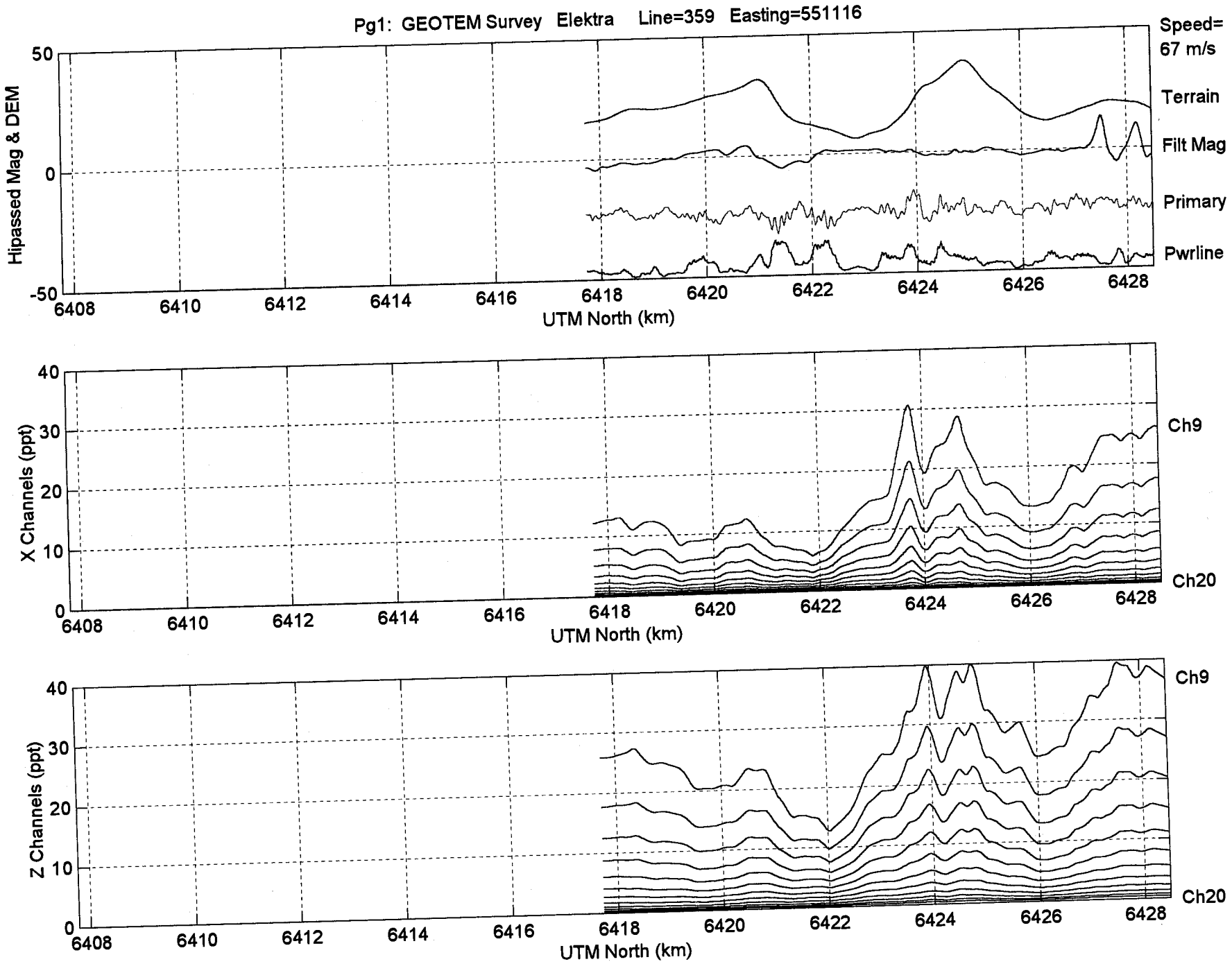

Pg1: GEOTEM Survey Elektra Line=354 Easting=550102
Speed=
-61 m/s
Terrain
Filt Mag
Primary
Pwrline
Hipassed Mag & DEM
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)

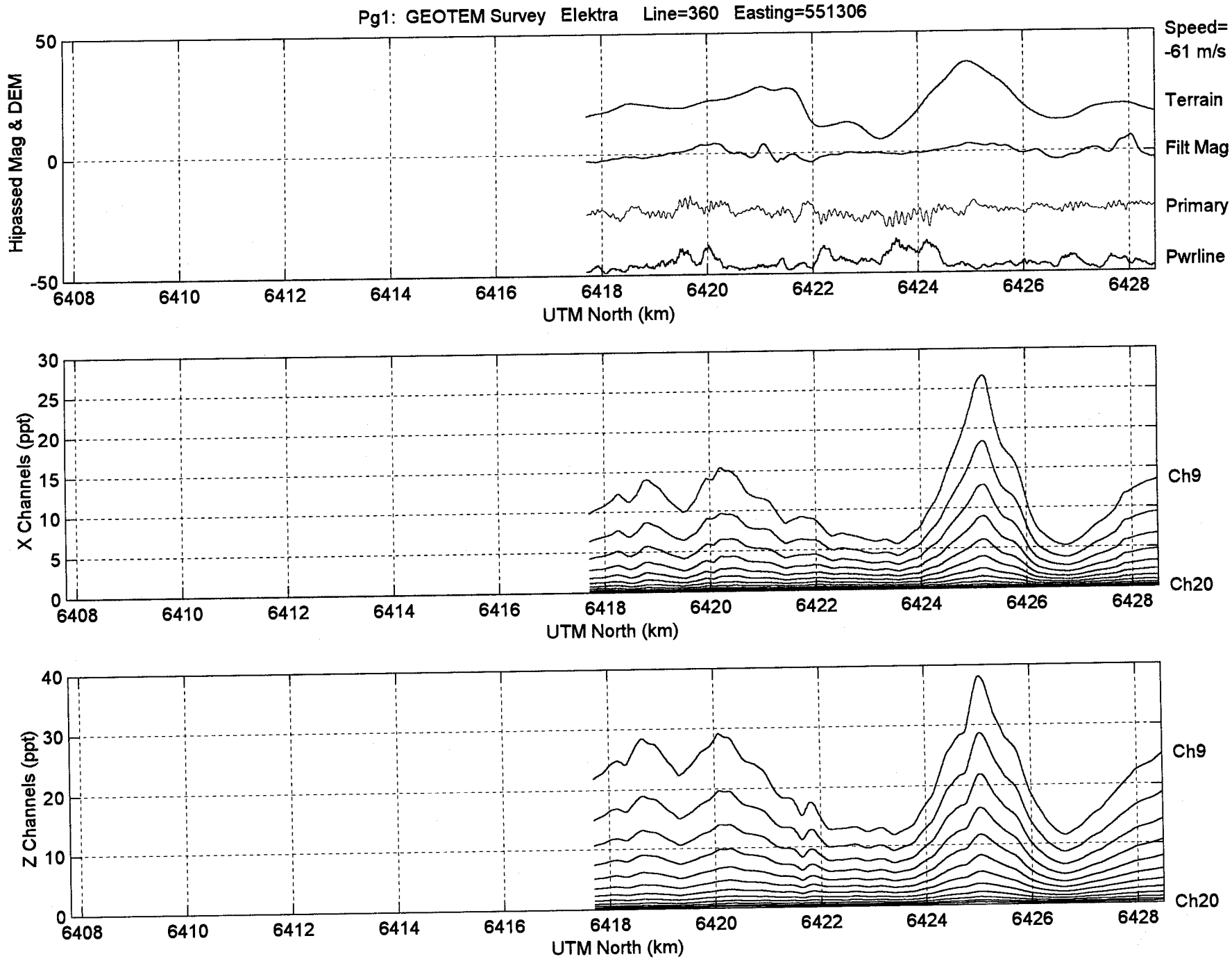

Pg1: GEOTEM Survey Elektra Line=355 Easting=550290
Speed= 67 m/s
L2
Hipassed Mag & DEM
50
0
-50
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

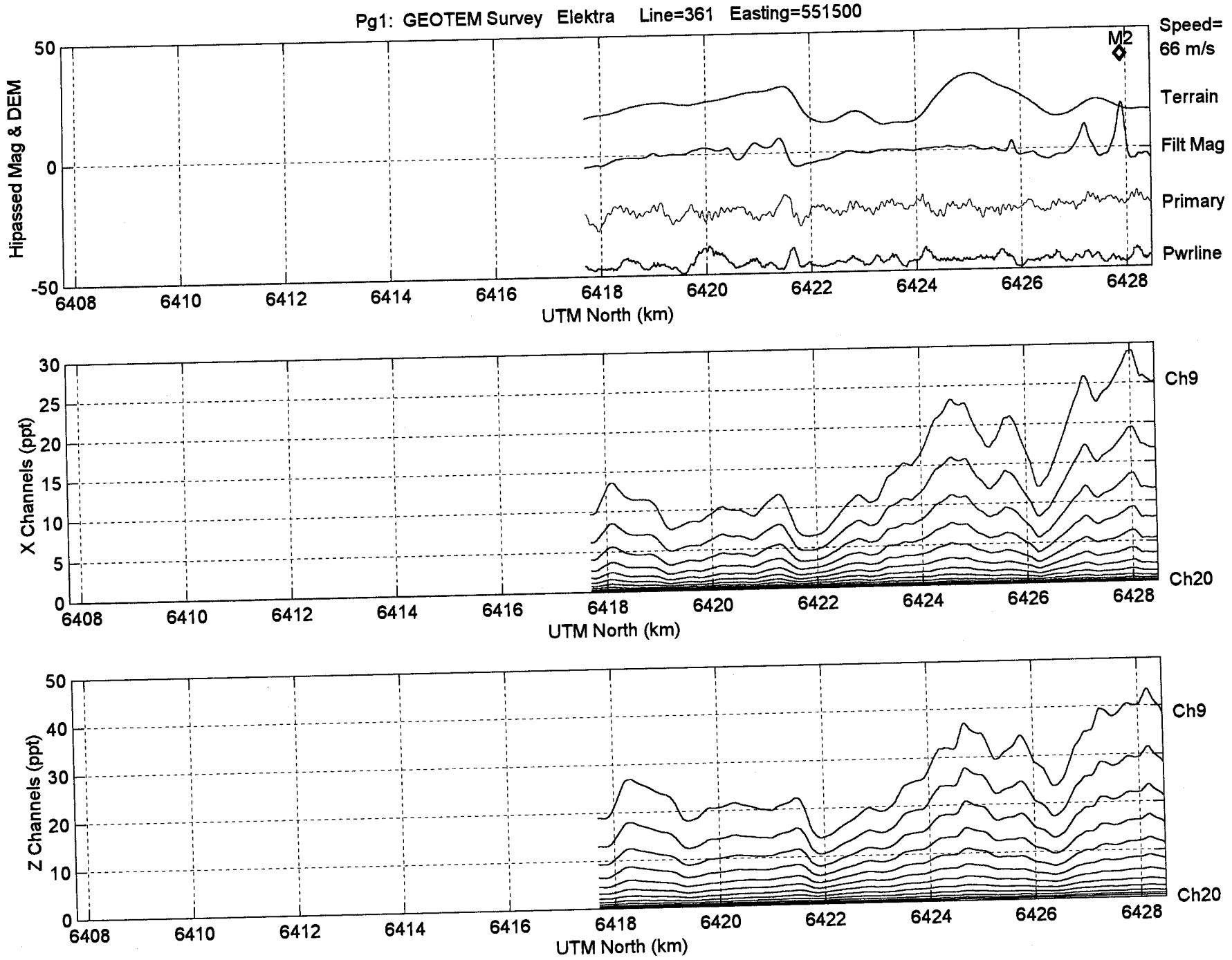

Pg1: GEOTEM Survey Elektra Line=356 Easting=550522
Speed= -60 m/s
Terrain
Filt Mag
Primary
Pwrline
Hipassed Mag & DEM
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)

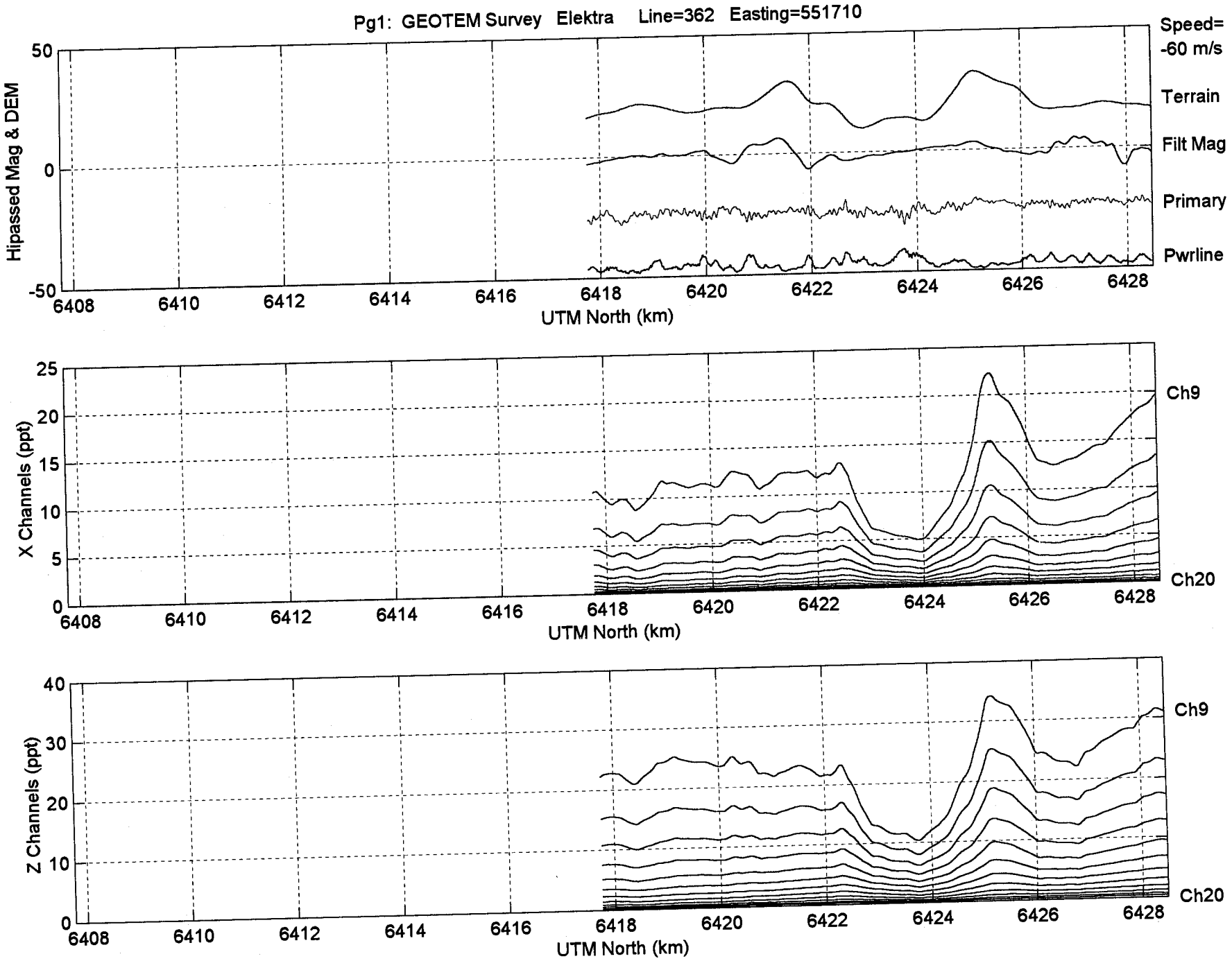

Pg1: GEOTEM Survey Elektra Line=357 Easting=550683
Speed= 67 m/s
Terrain
Filt Mag
Primary
Pwrline
Hipassed Mag & DEM
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

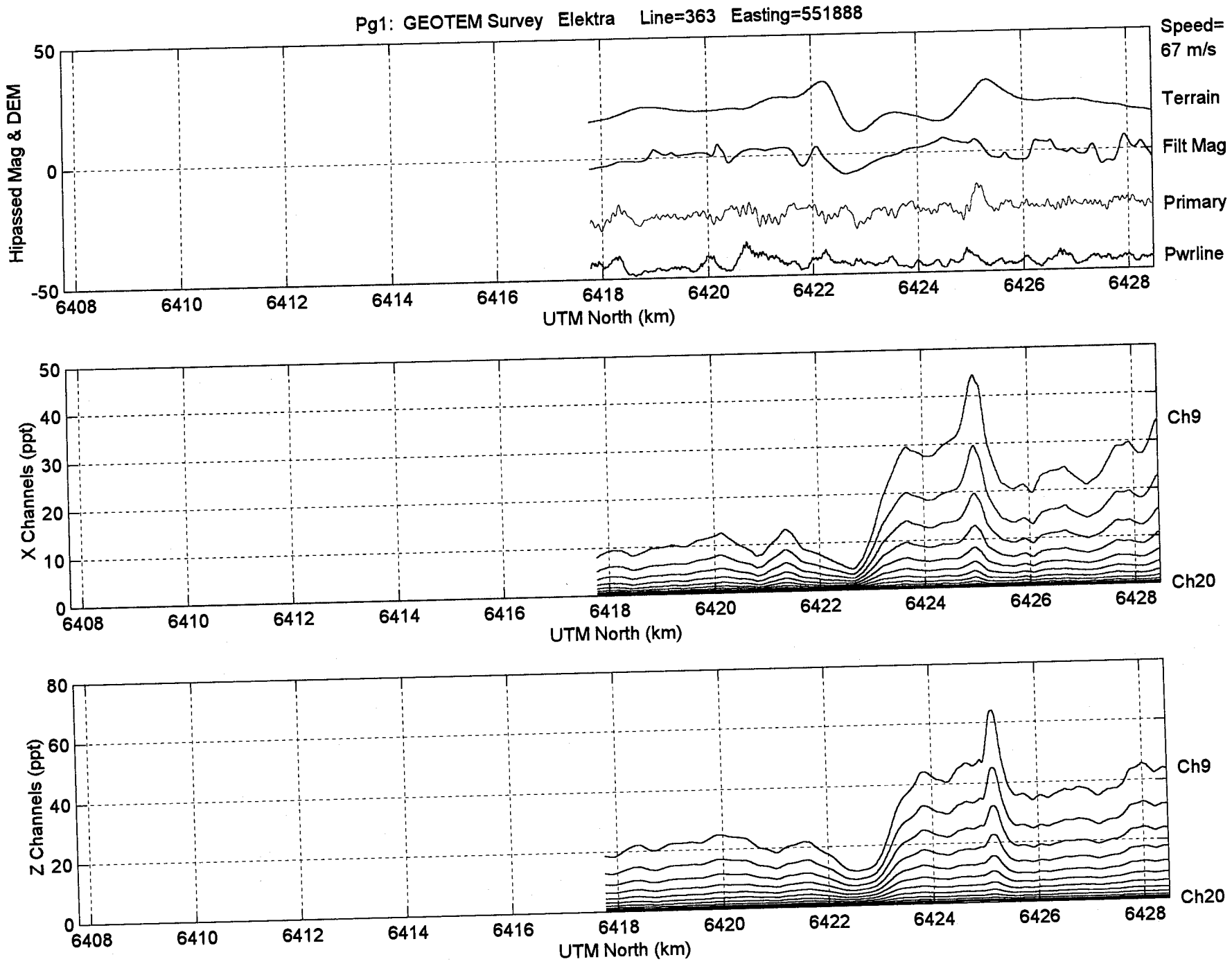

Pg1:GEOTEM Survey Elektra Line=358 Easting=550907
Hipassed Mag & DEM
50
0
-50
Speed=
-63 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)

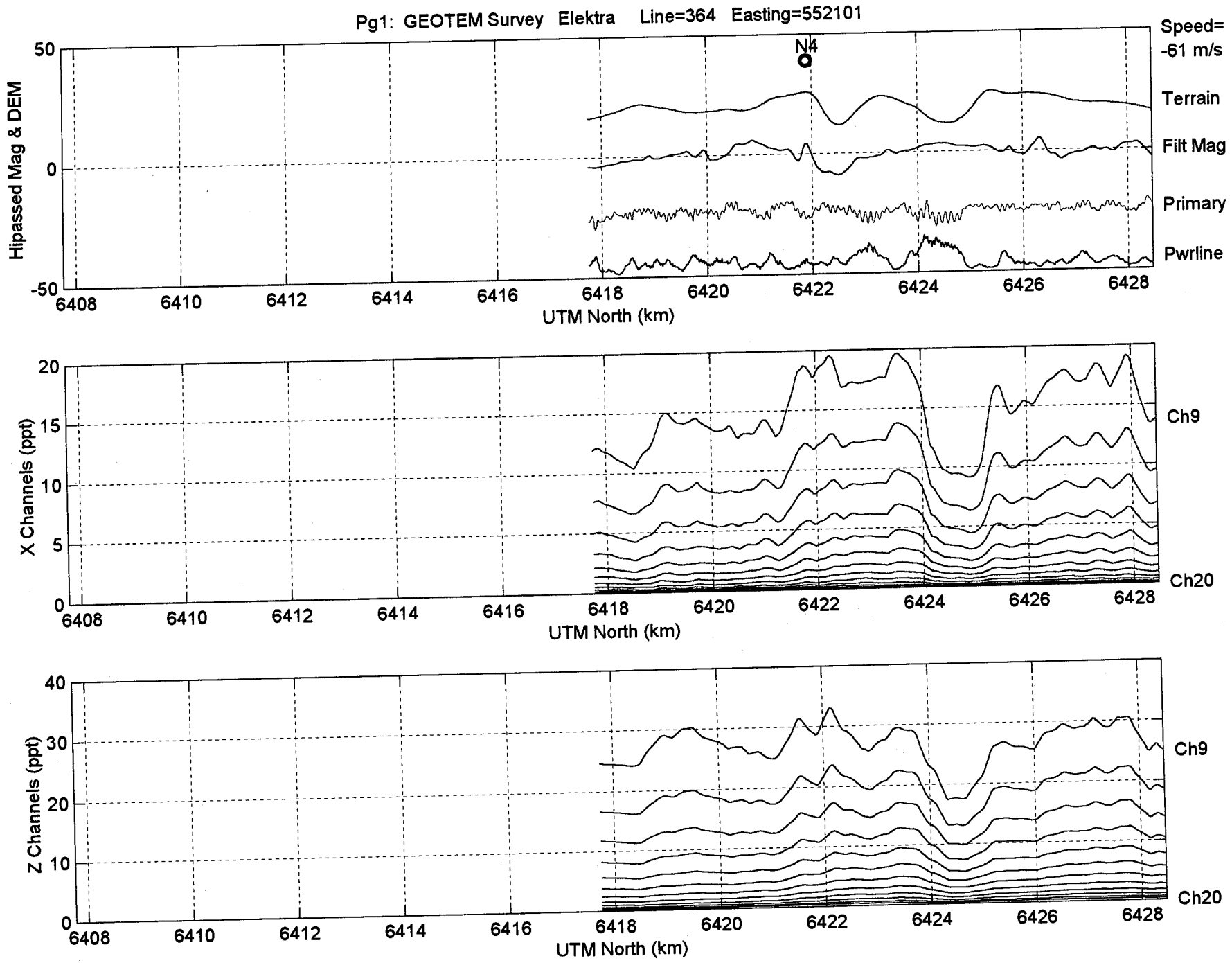

Pg1: GEOTEM Survey Elektra Line=359 Easting=551116
Speed=
67 m/s
Terrain
Filt Mag
Primary
Pwrline
Hipassed Mag & DEM
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
Ch9
Ch20
UTM North (km)

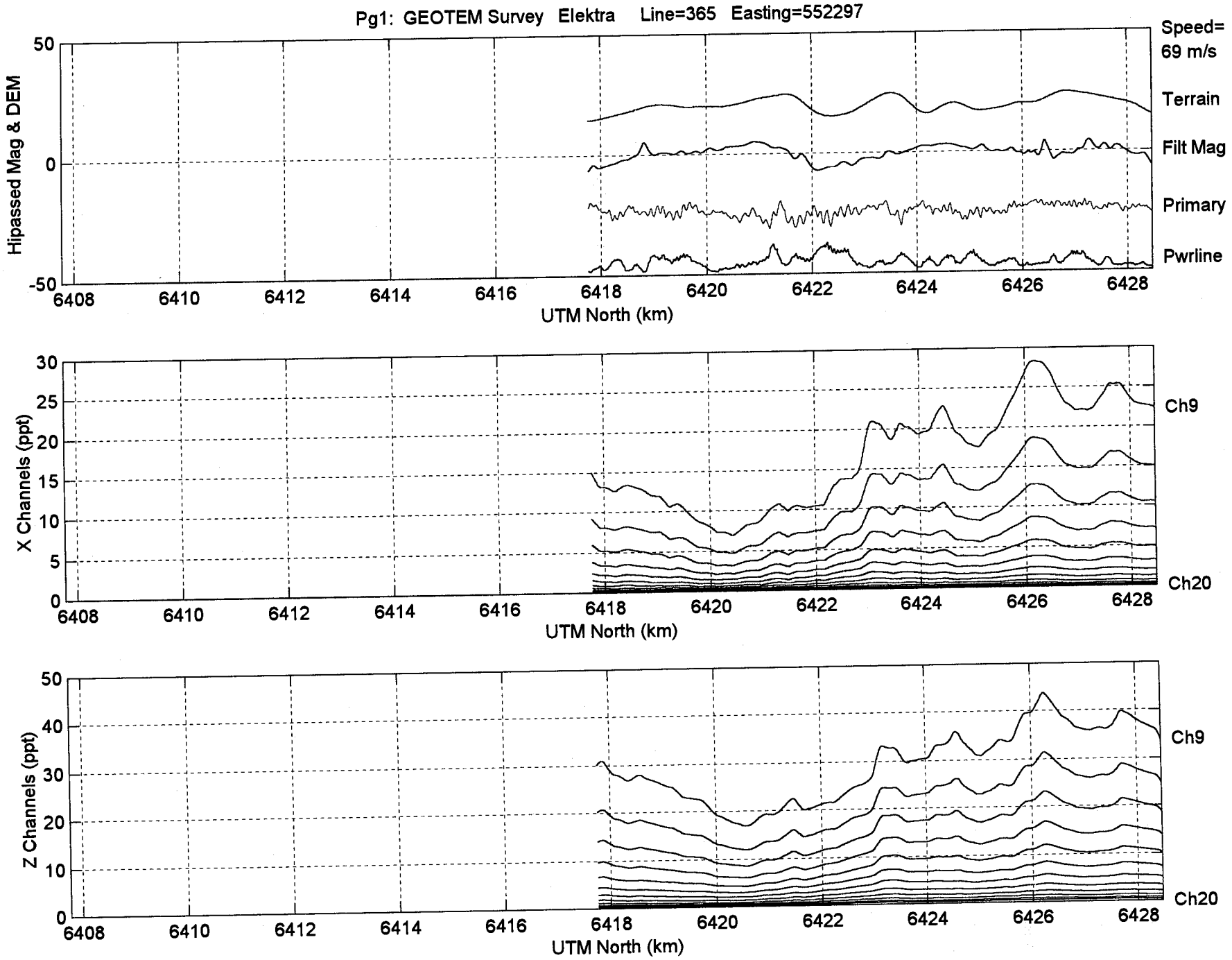

Pg1: GEOTEM Survey Elektra Line=360 Easting=551306
Speed=
-61 m/s
Terrain
Filt Mag
Primary
Pwrline
Hipassed Mag & DEM
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0

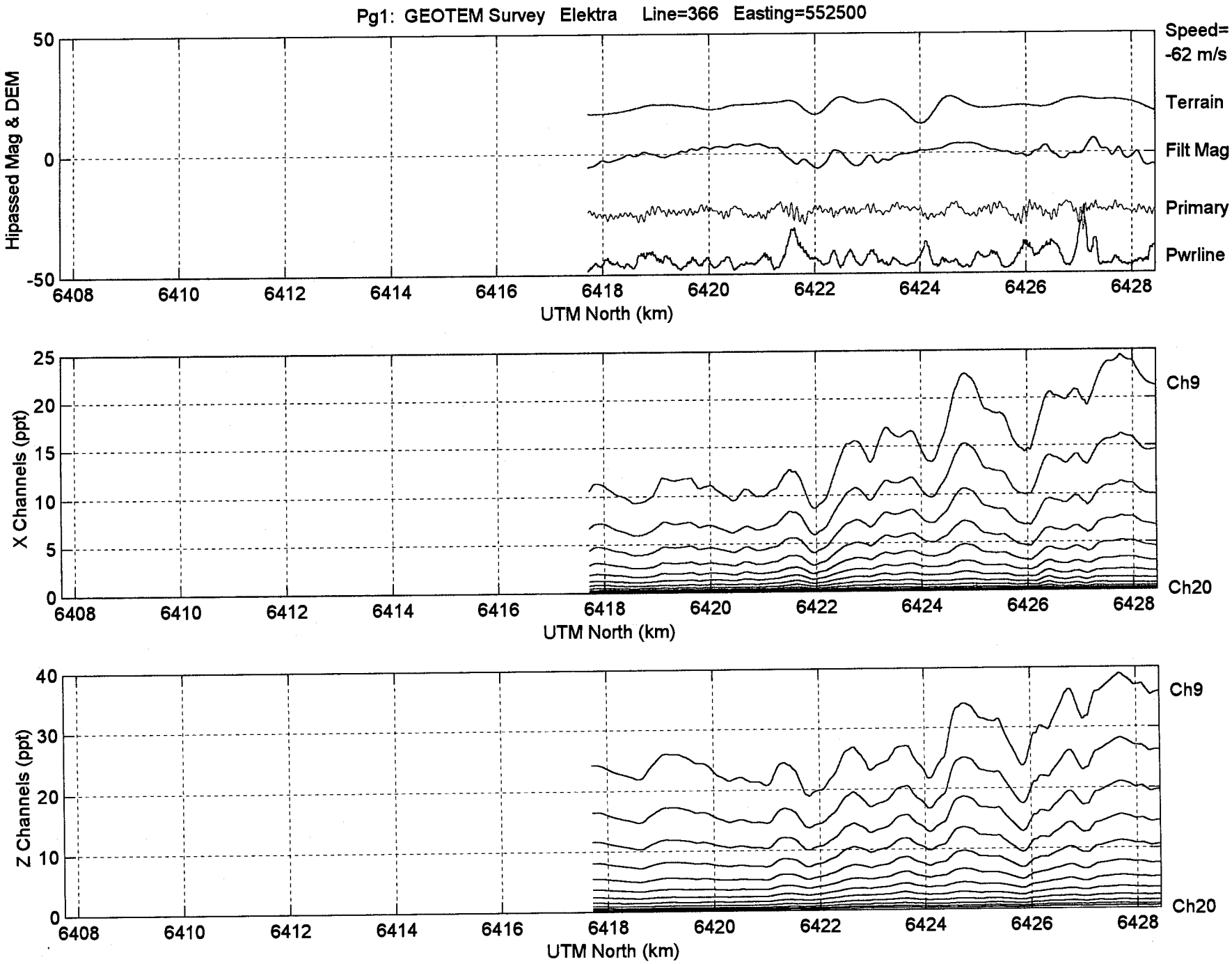

Pg1: GEOTEM Survey Elektra Line=361 Easting=551500
Hipassed Mag & DEM
50
0
-50
M2
Speed=
66 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

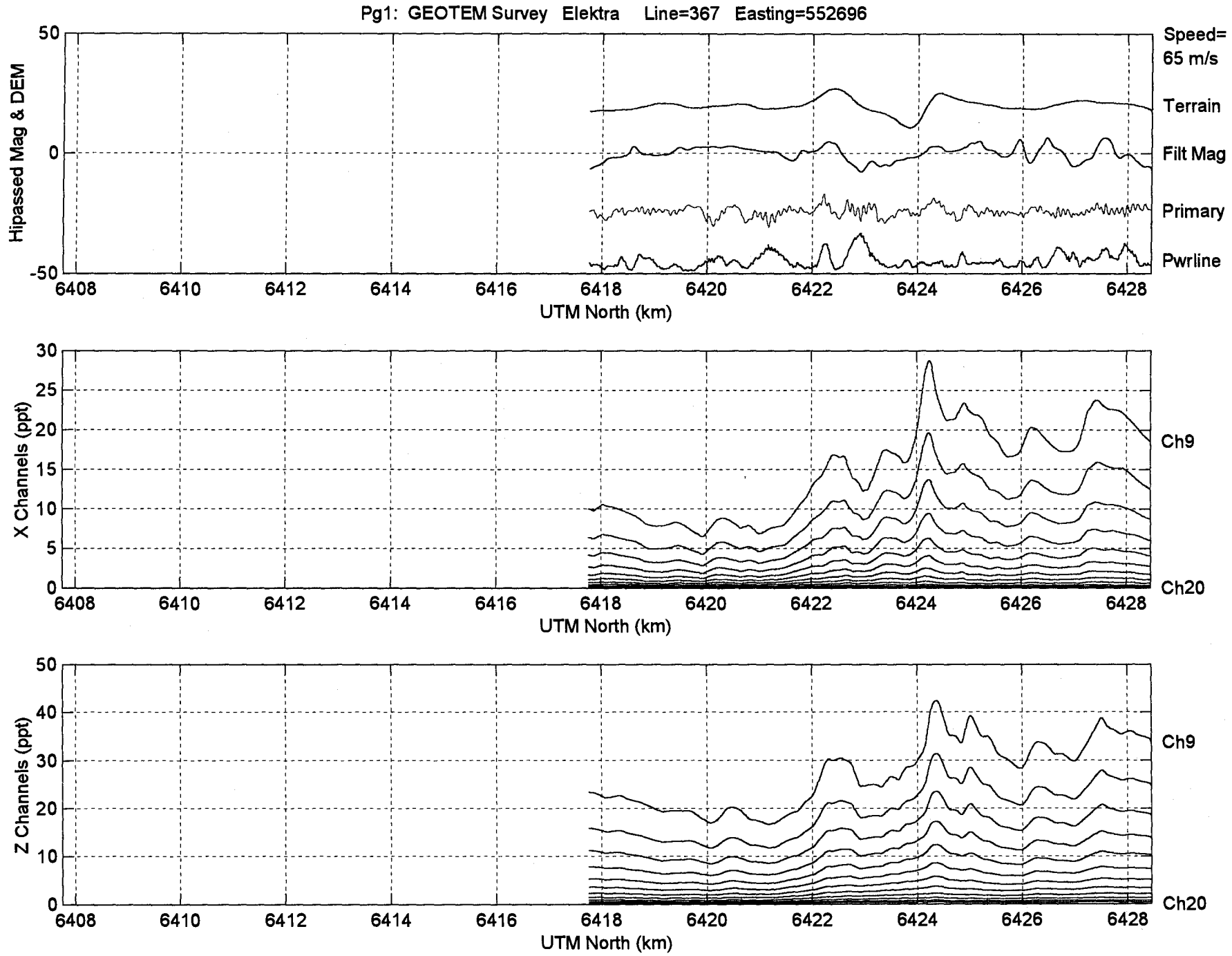

Pg1: GEOTEM Survey Elektra Line=362 Easting=551710
Speed=
-60 m/s
Terrain
Filt Mag
Primary
Pwrline
Hipassed Mag & DEM
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0

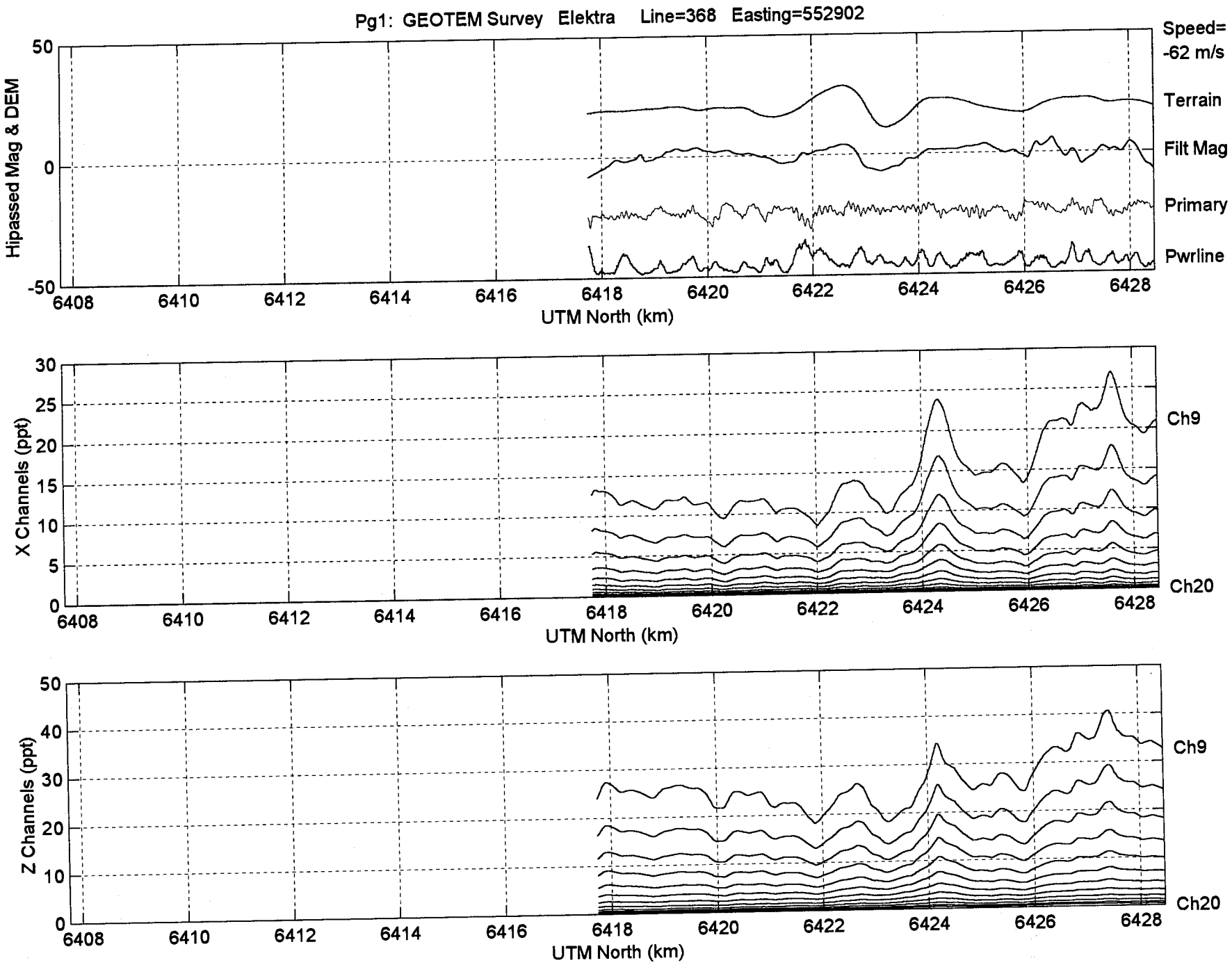

Pg1: GEOTEM Survey Elektra Line=363 Easting=551888
Speed= 67 m/s
Terrain
Filt Mag
Primary
Pwrline
Hipassed Mag & DEM
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
80
60
40
20
0
Ch9
Ch20
UTM North (km)

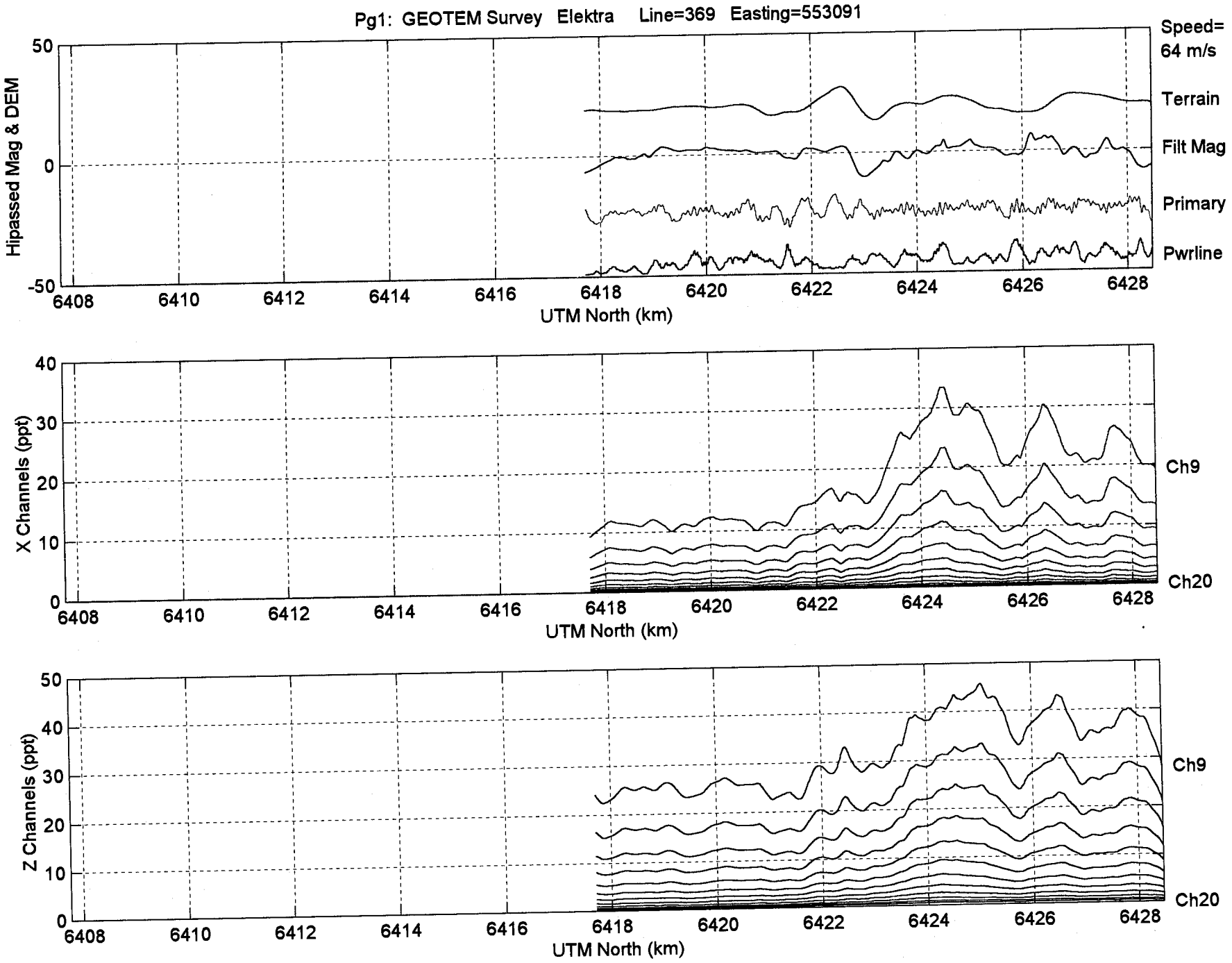

Pg1: GEOTEM Survey Elektra Line=364 Easting=552101
Speed=
-61 m/s
N4
Hipassed Mag & DEM
50
0
-50
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)

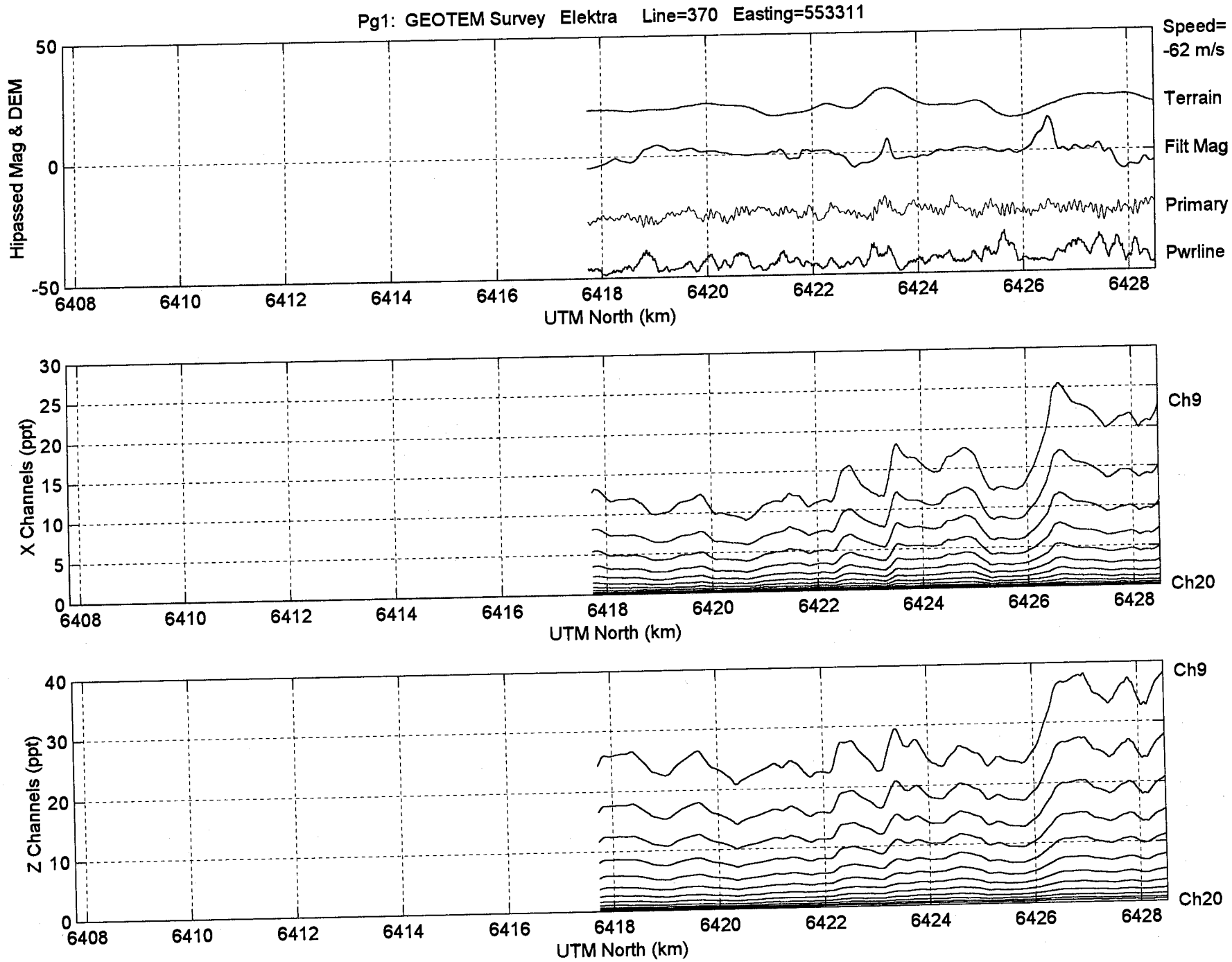

Pg1: GEOTEM Survey Elektra Line=365 Easting=552297
Speed= 69 m/s
Terrain
Filt Mag
Primary
Pwrline
Hipassed Mag & DEM
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

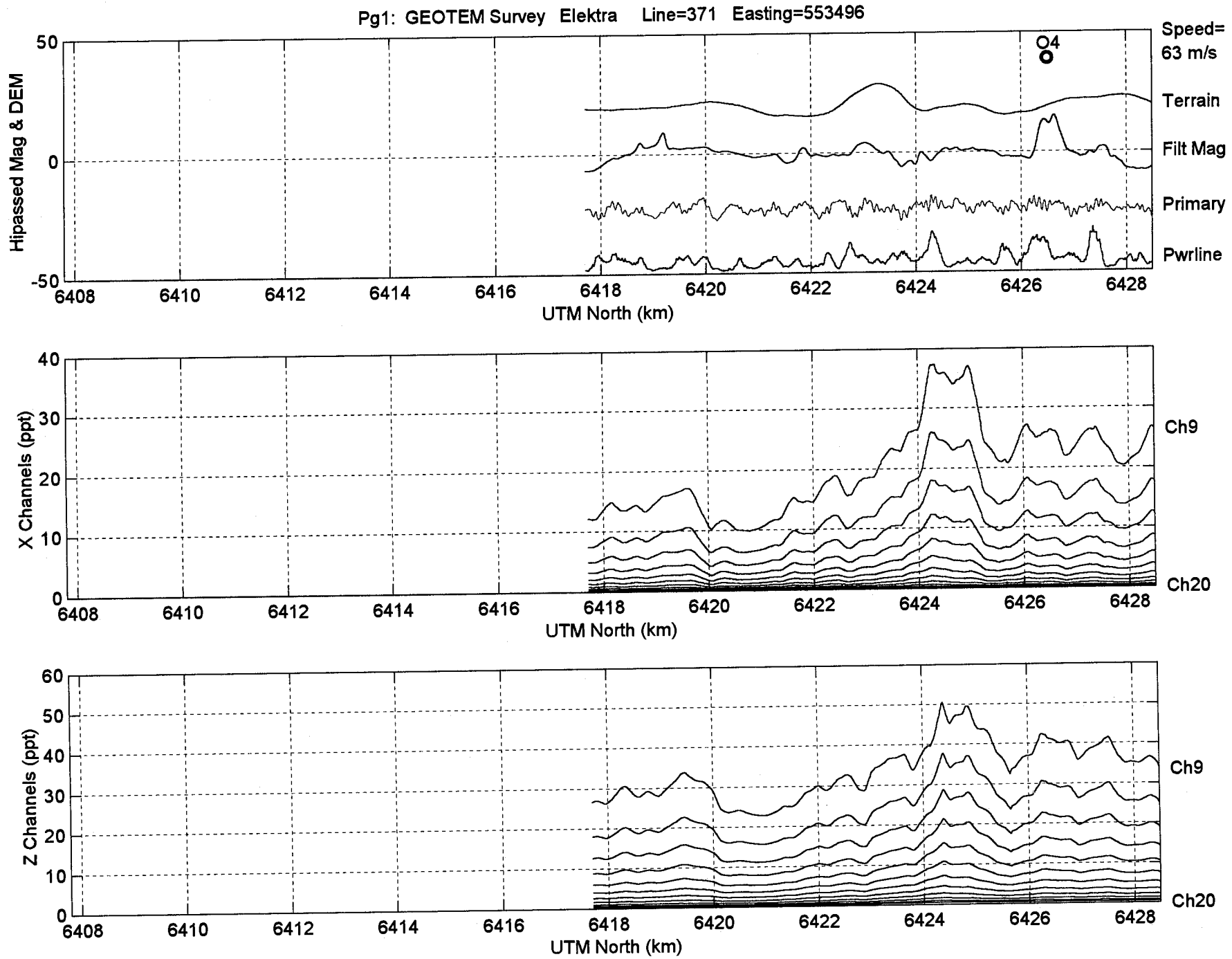

Pg1: GEOTEM Survey Elektra Line=366 Easting=552500
Hipassed Mag & DEM
50
0
-50
Speed=
-62 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)

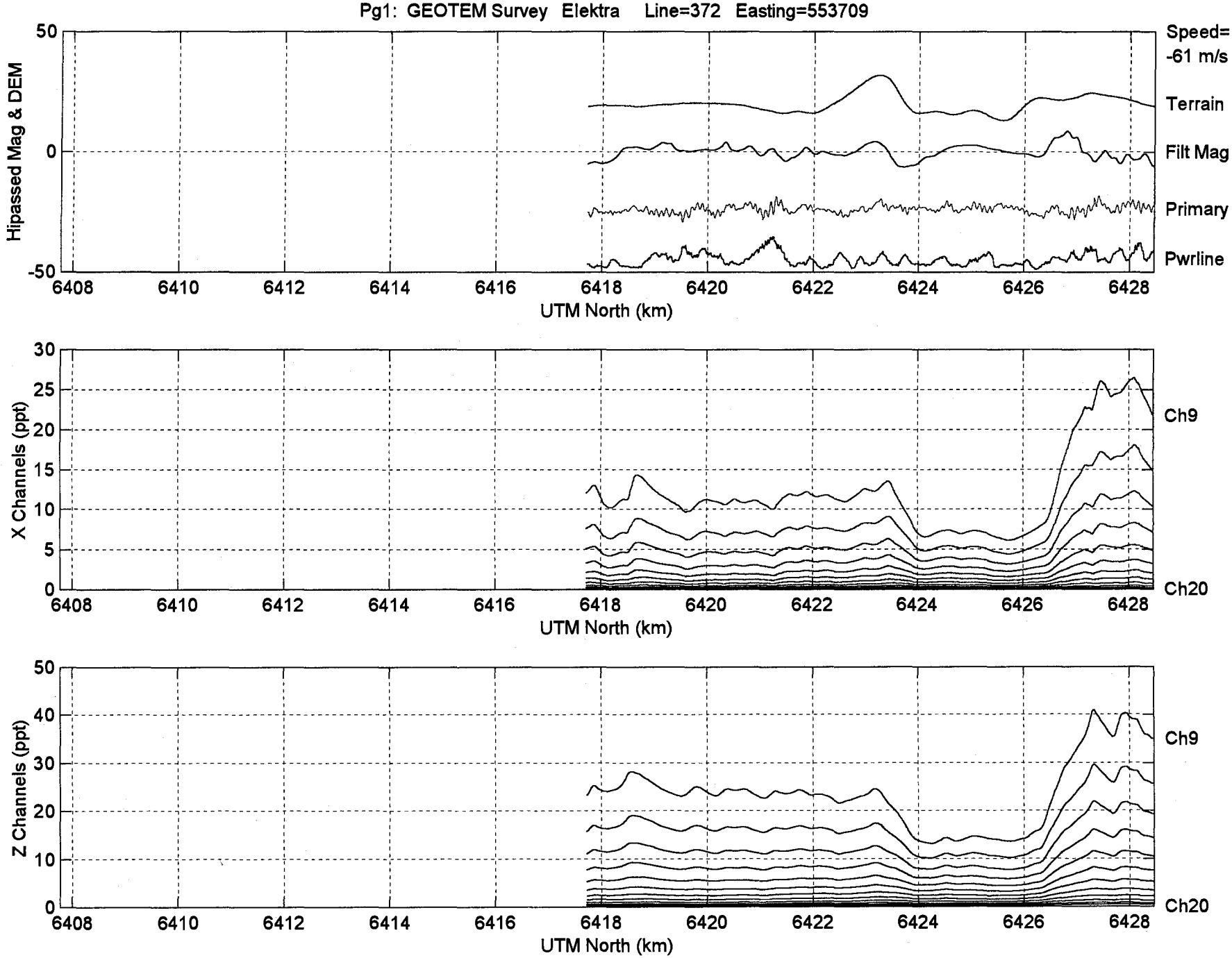

Pg1: GEOTEM Survey Elektra Line=367 Easting=552696
Hipassed Mag & DEM
50
0
-50
Speed=
65 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

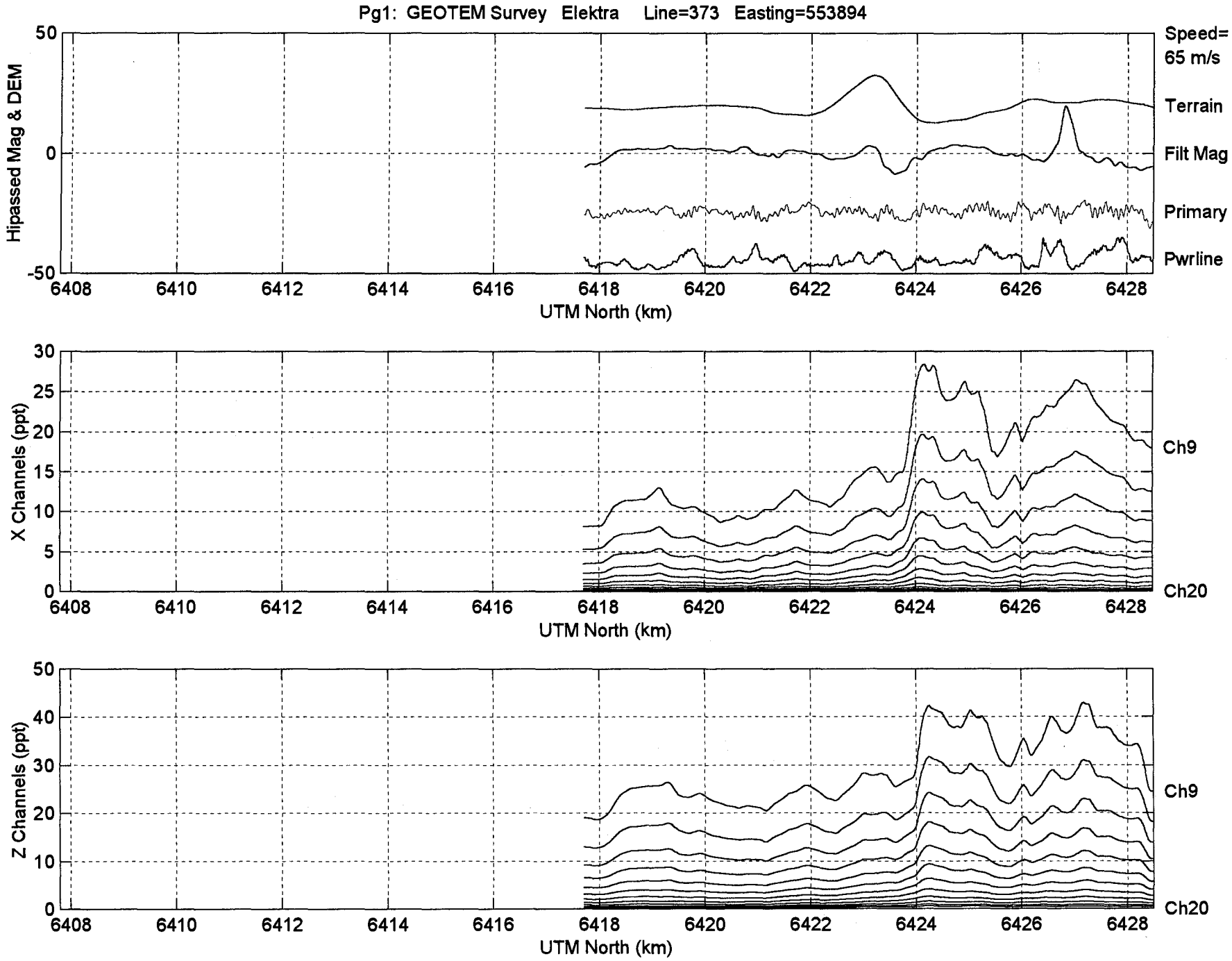

Pg1: GEOTEM Survey Elektra Line=368 Easting=552902
Speed=
-62 m/s
Terrain
Filt Mag
Primary
Pwrline
Hipassed Mag & DEM
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

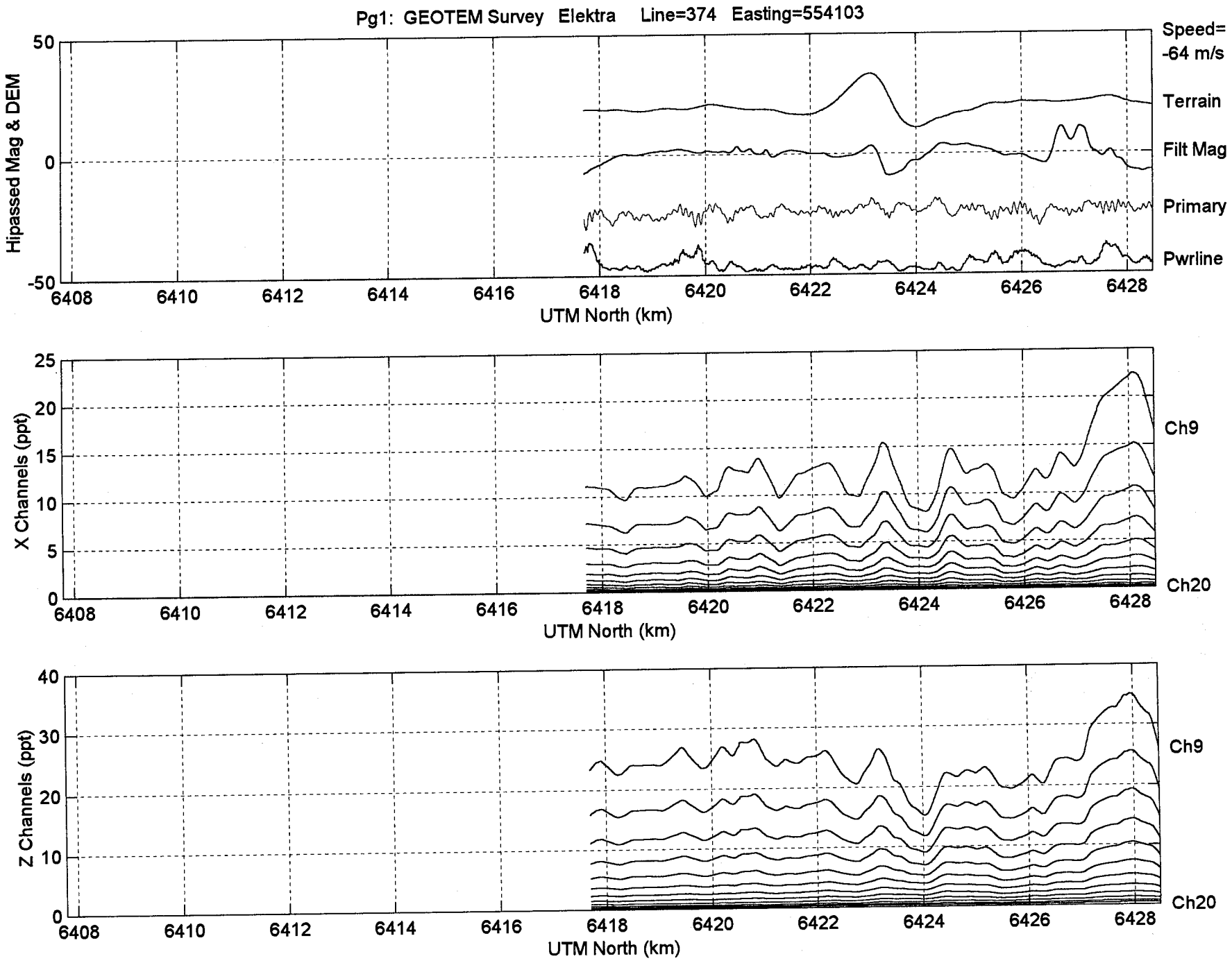

Pg1: GEOTEM Survey Elektra Line=369 Easting=553091
Speed=
64 m/s
Terrain
Filt Mag
Primary
Pwrline
Hipassed Mag & DEM
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)

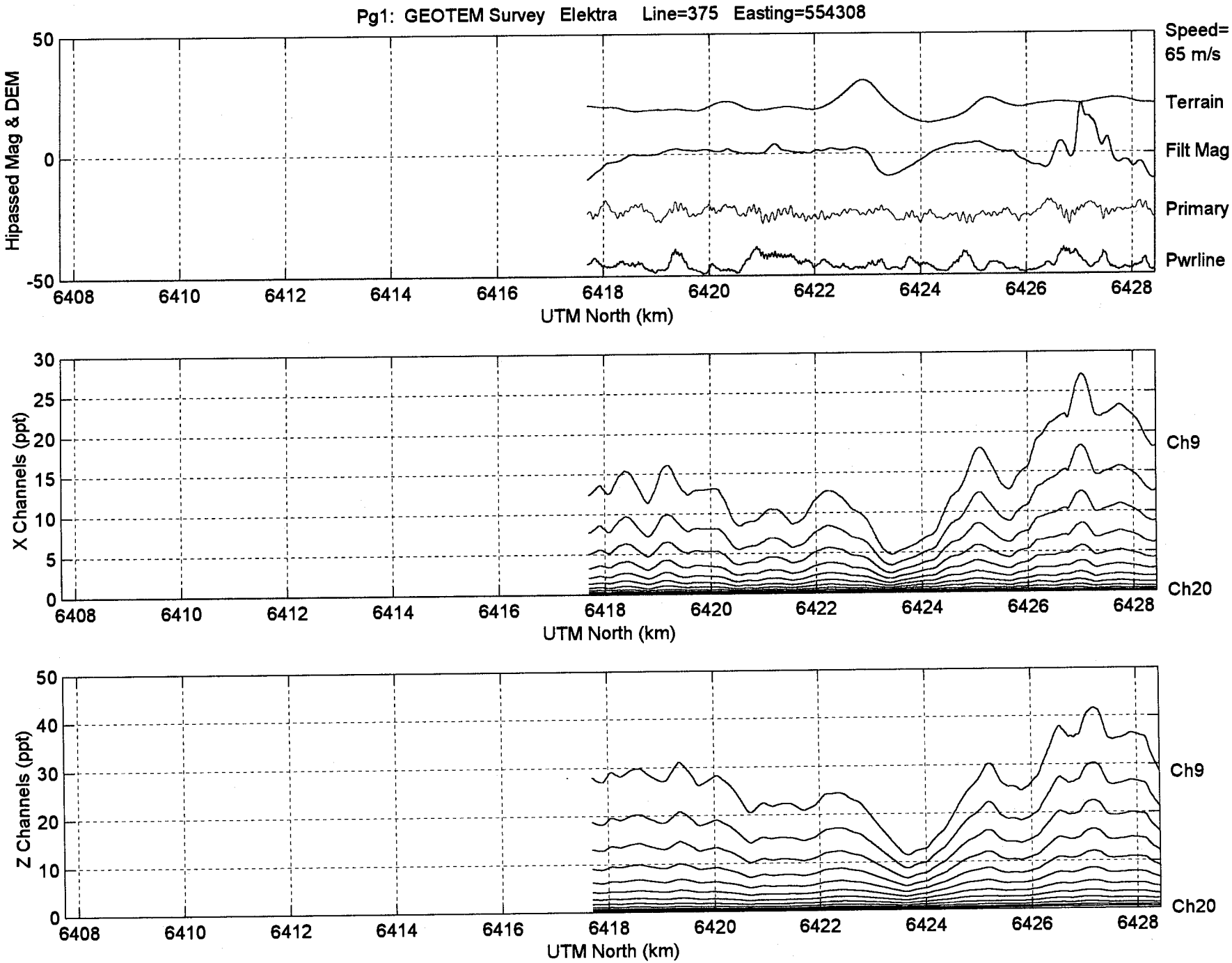

Pg1: GEOTEM Survey Elektra Line=370 Easting=553311
Speed=
-62 m/s
Terrain
Filt Mag
Primary
Pwrline
Hipassed Mag & DEM
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)

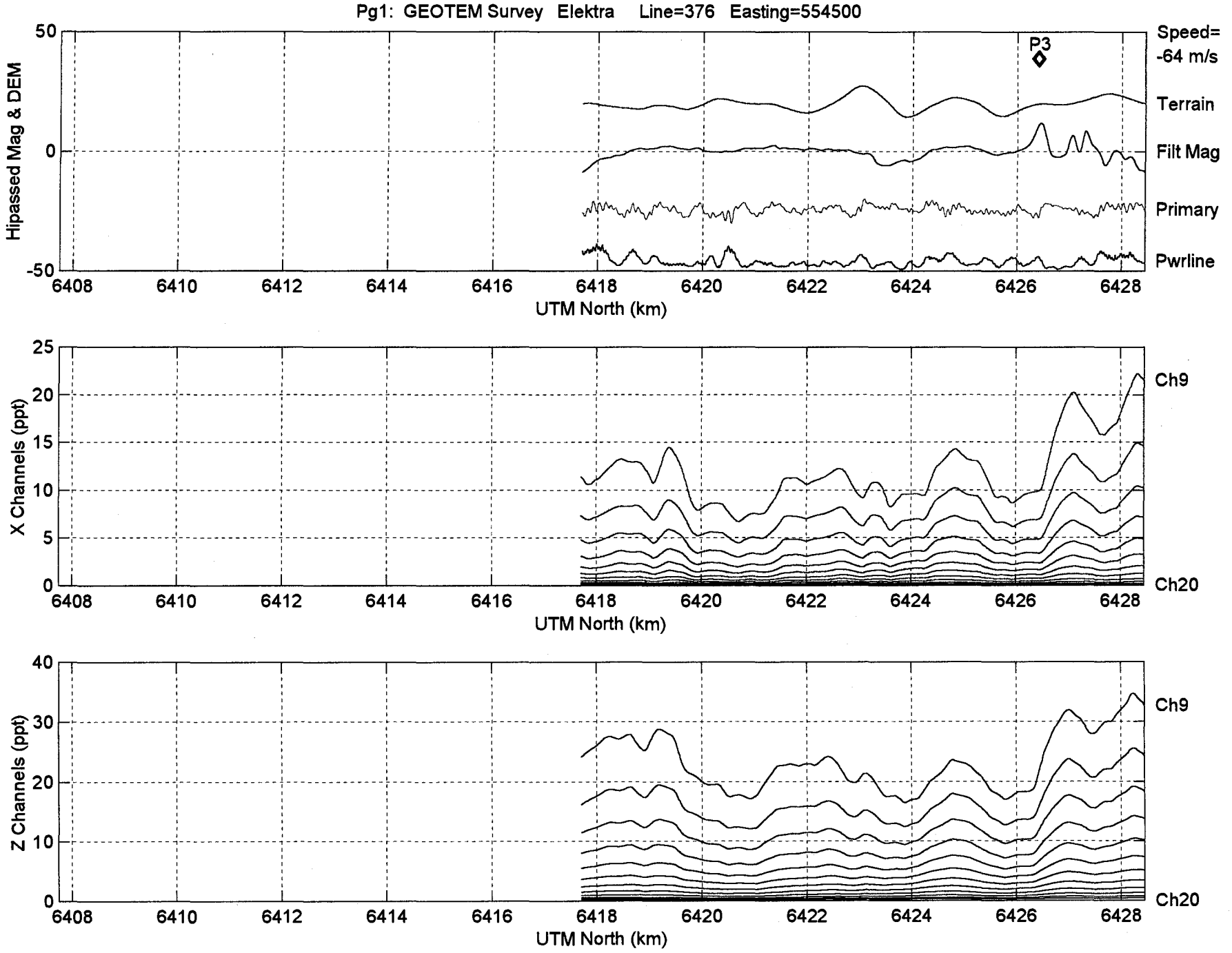

Pg1: GEOTEM Survey Elektra Line=371 Easting=553496
Hipassed Mag & DEM
50
0
-50
O4
Speed=
63 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
60
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

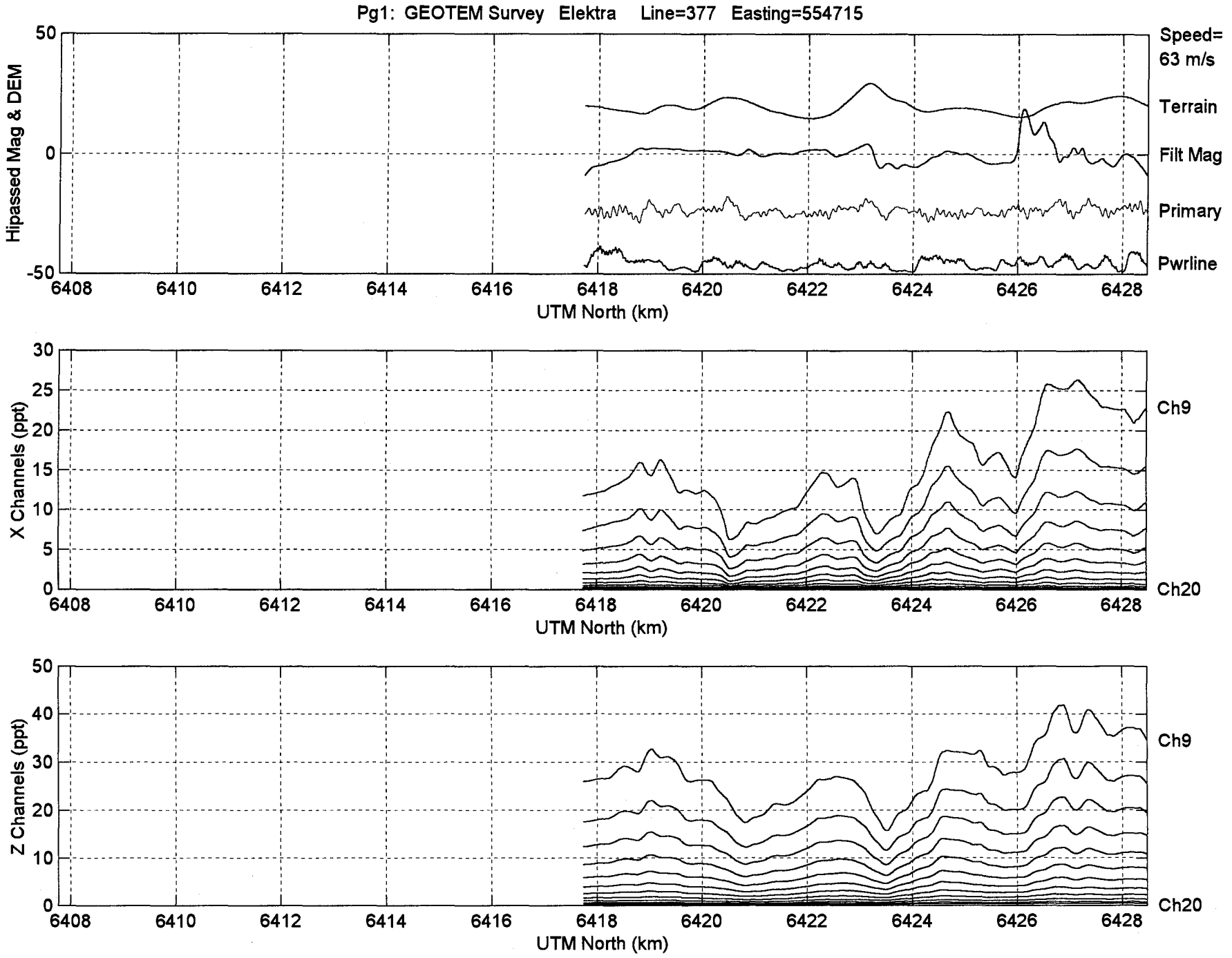

Pg1: GEOTEM Survey Elektra Line=372 Easting=553709
Hipassed Mag & DEM
50
0
-50
Speed=
-61 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

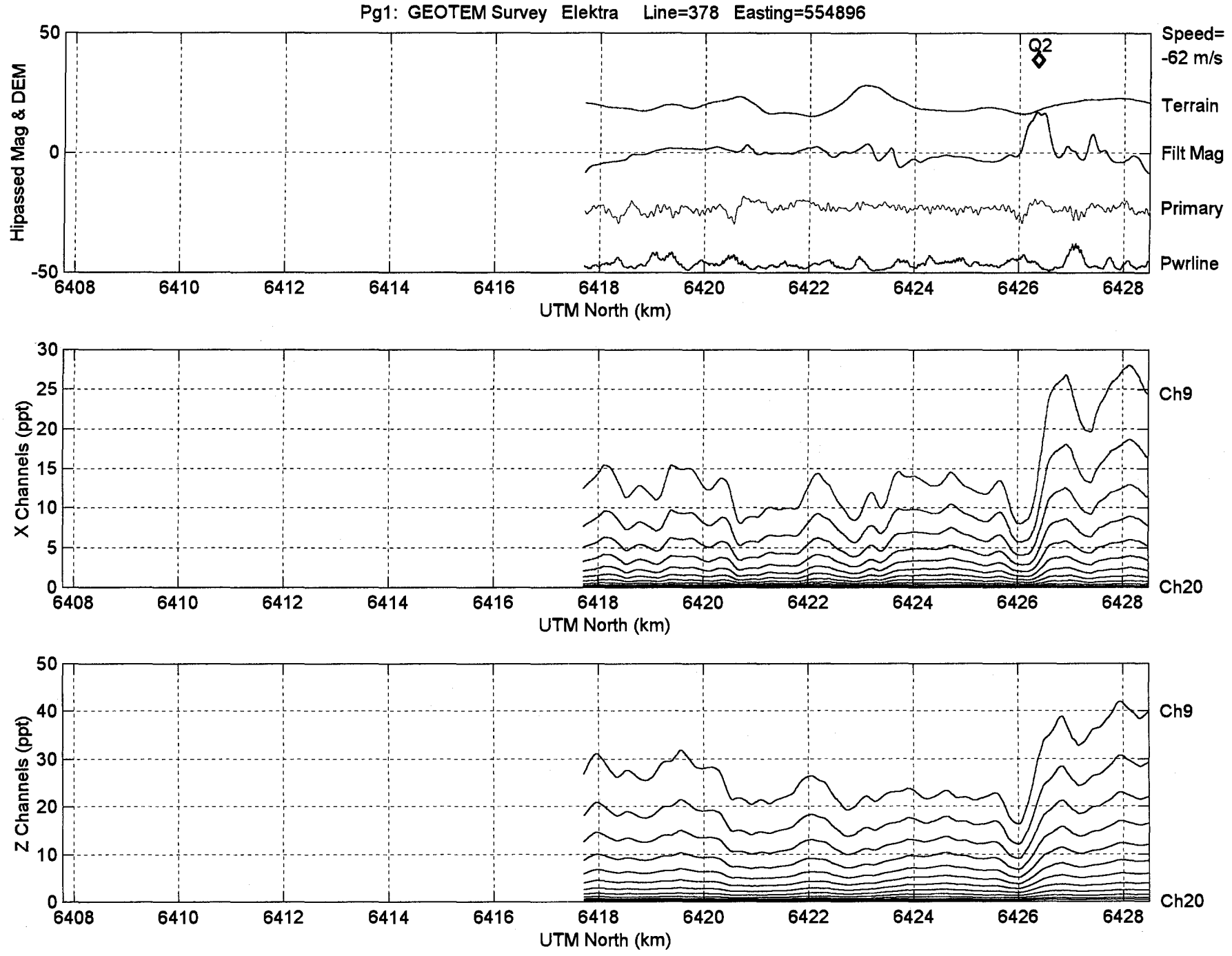

Pg1: GEOTEM Survey Elektra Line=373 Easting=553894
Hipassed Mag & DEM
50
0
-50
Speed=
65 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

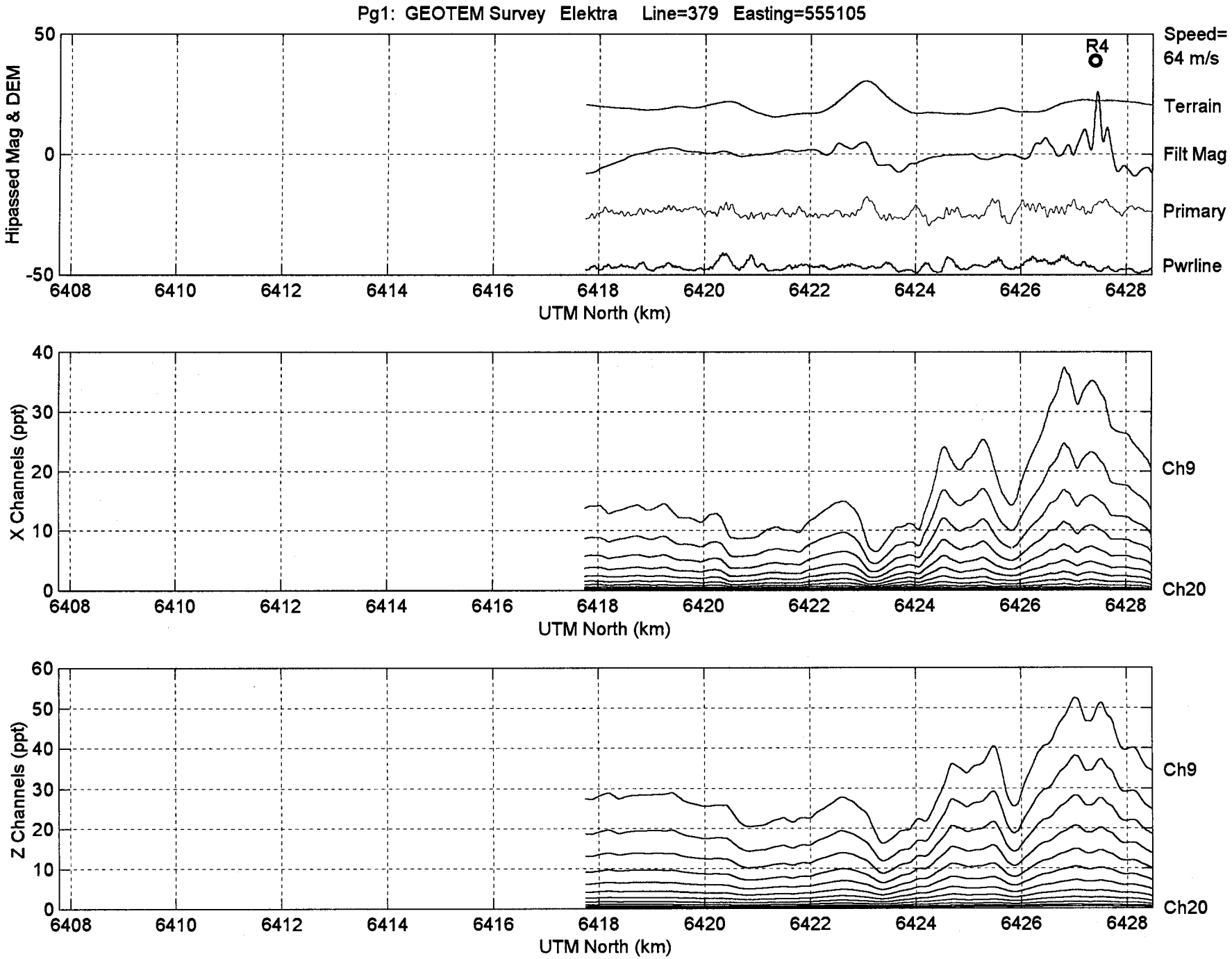

Pg1: GEOTEM Survey Elektra Line=374 Easting=554103
Hipassed Mag & DEM
50
0
-50
Speed=
-64 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)

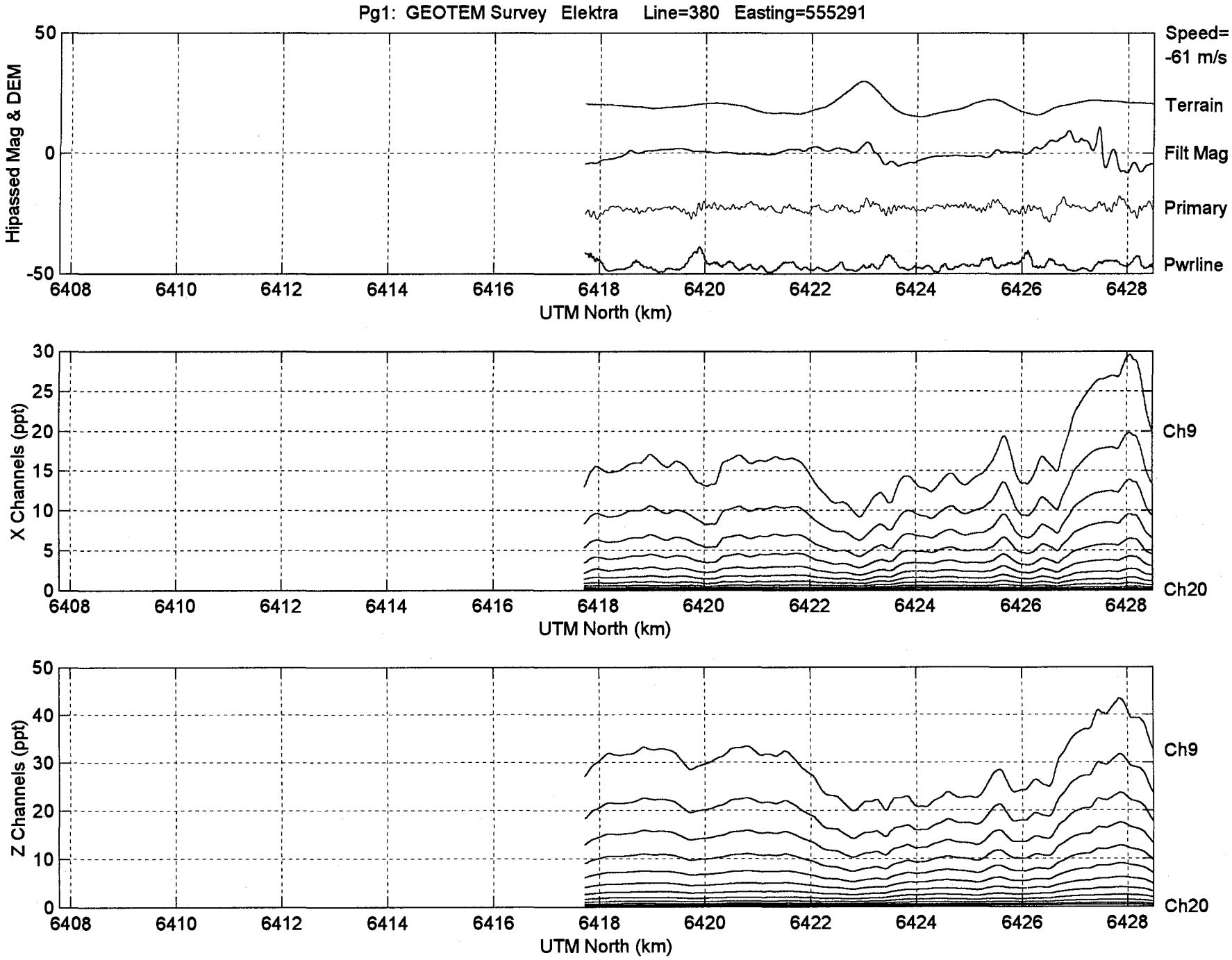

Pg1: GEOTEM Survey Elektra Line=375 Easting=554308
Hipassed Mag & DEM
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
65 m/s
Terrain
Filt Mag
Primary
Pwrline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
40

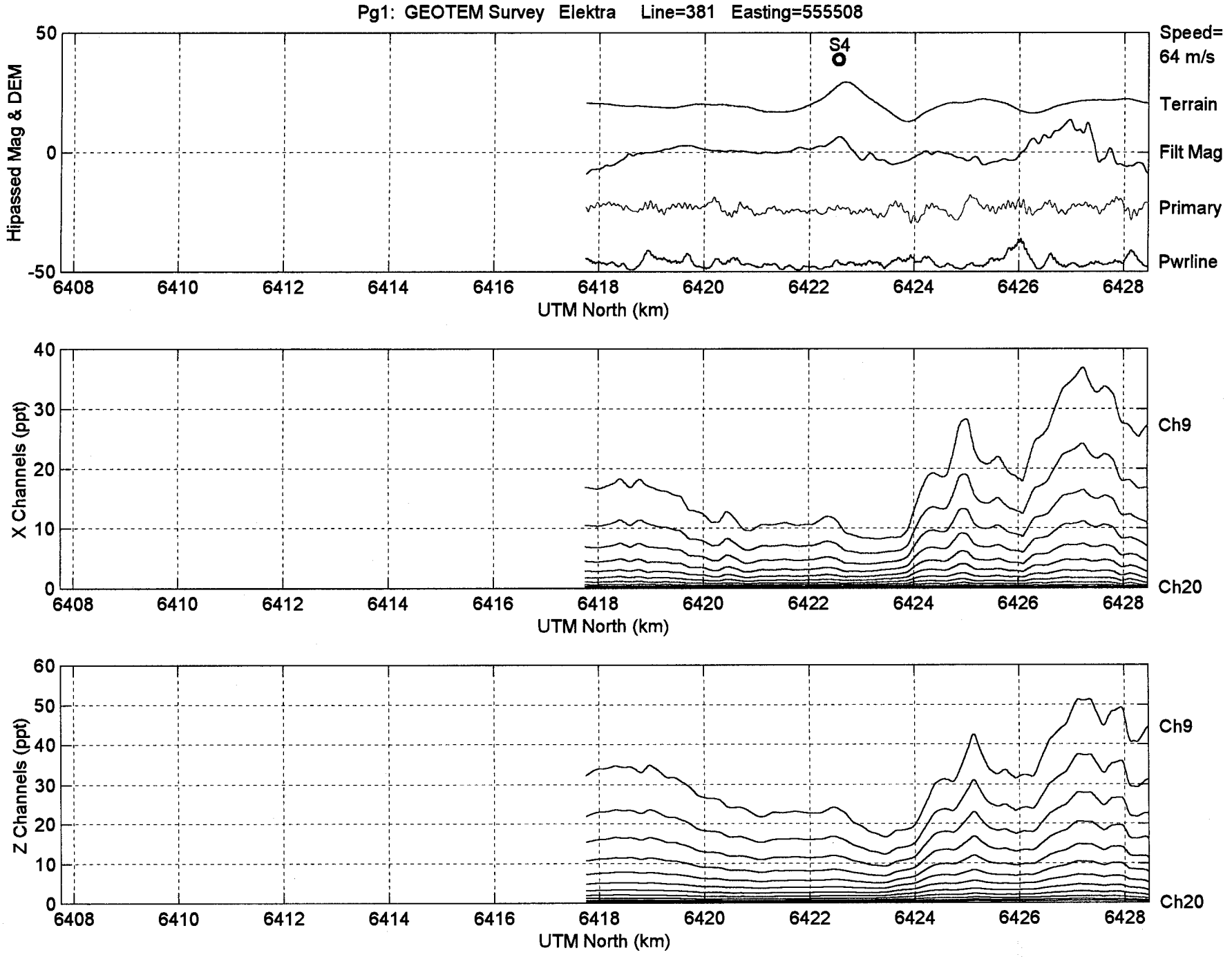

Pg1: GEOTEM Survey Elektra Line=376 Easting=554500
Hipassed Mag & DEM
50
0
-50
P3
Speed=
-64 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)

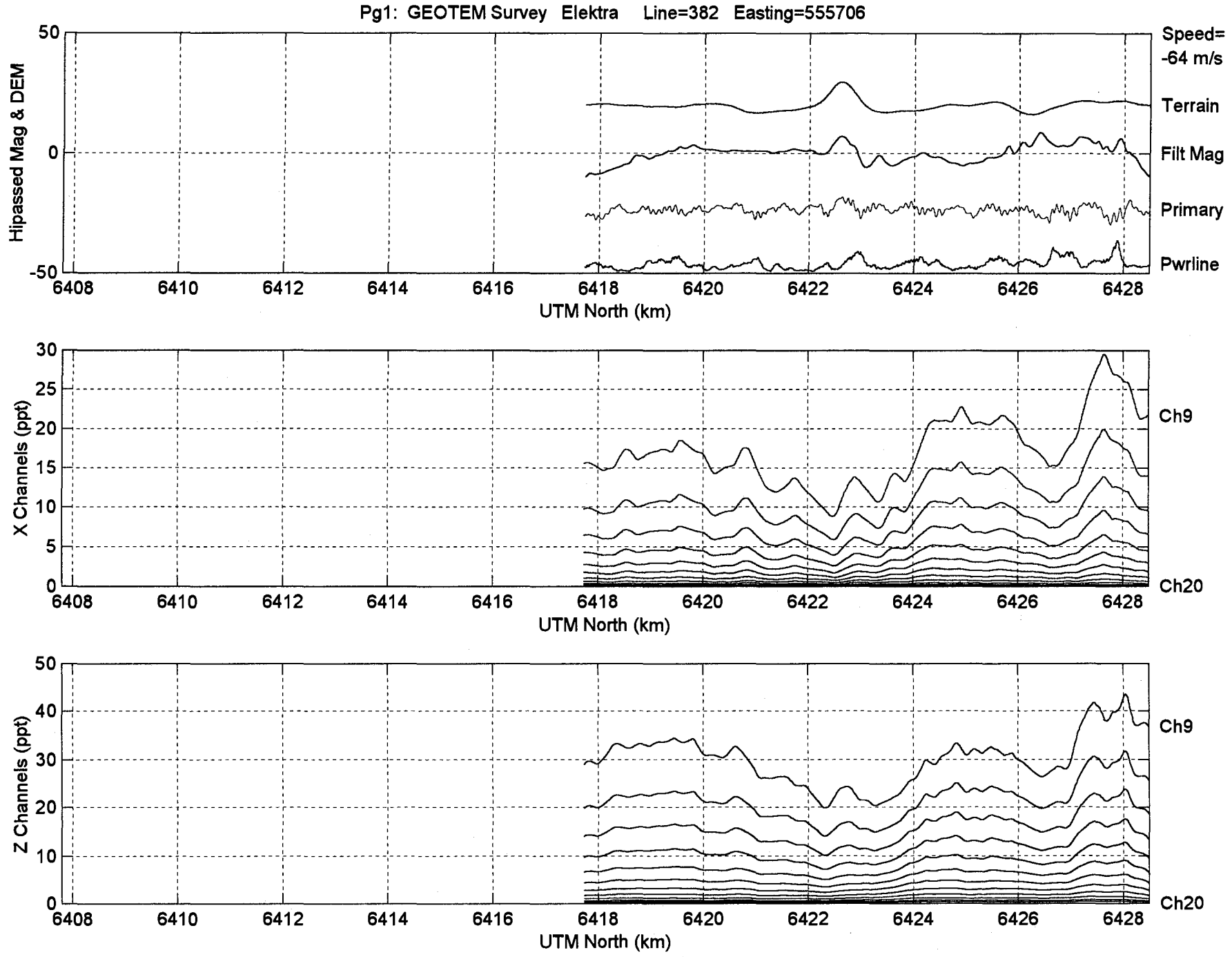

Pg1: GEOTEM Survey Elektra Line=377 Easting=554715
Hipassed Mag & DEM
50
0
-50
Speed=
63 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

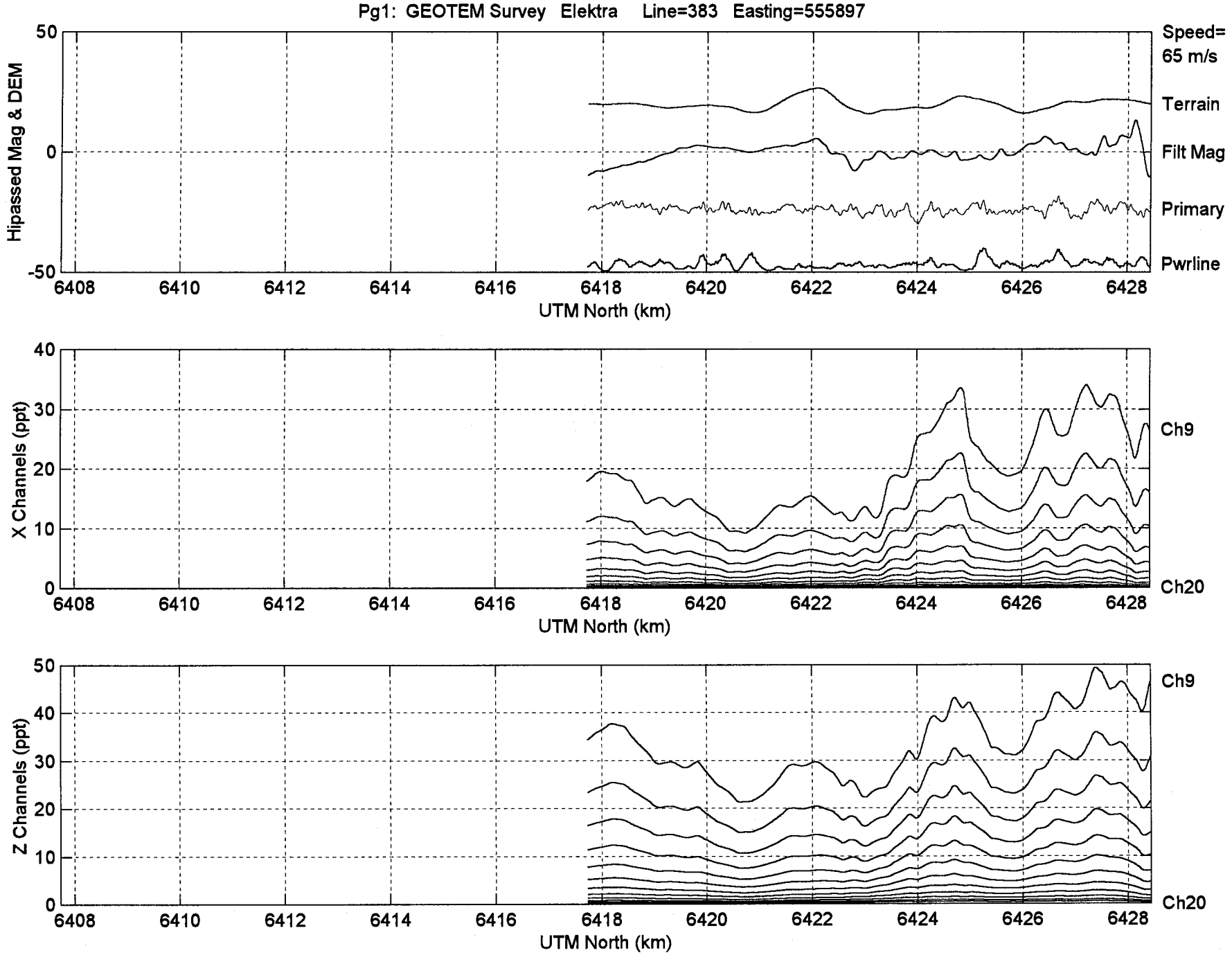

Pg1: GEOTEM Survey Elektra Line=378 Easting=554896
Hipassed Mag & DEM
50
0
-50
Q2
Speed=
-62 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

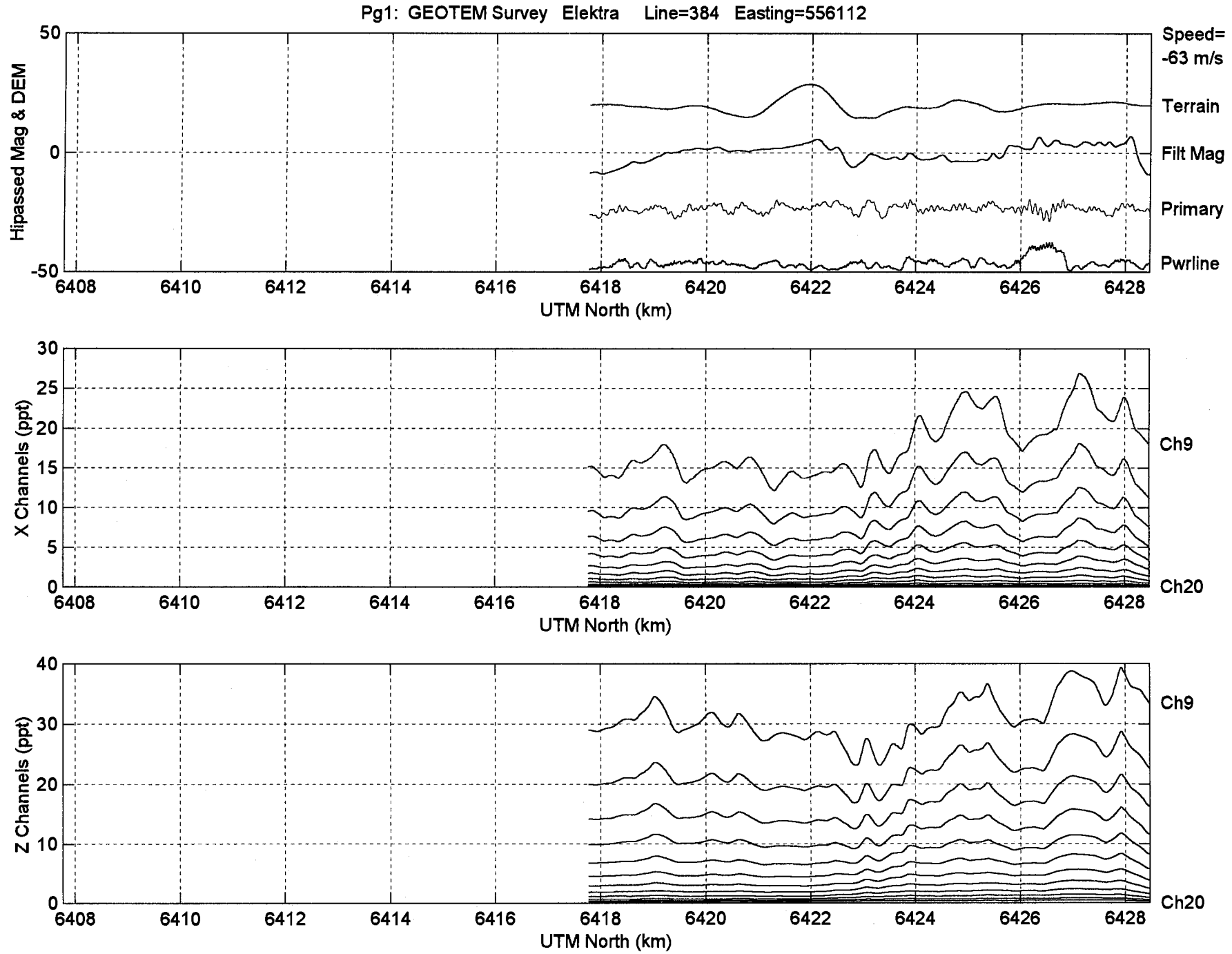

Pg1: GEOTEM Survey Elektra Line=379 Easting=555105
Hipassed Mag & DEM
50
0
-50
R4
Speed=
64 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
60
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

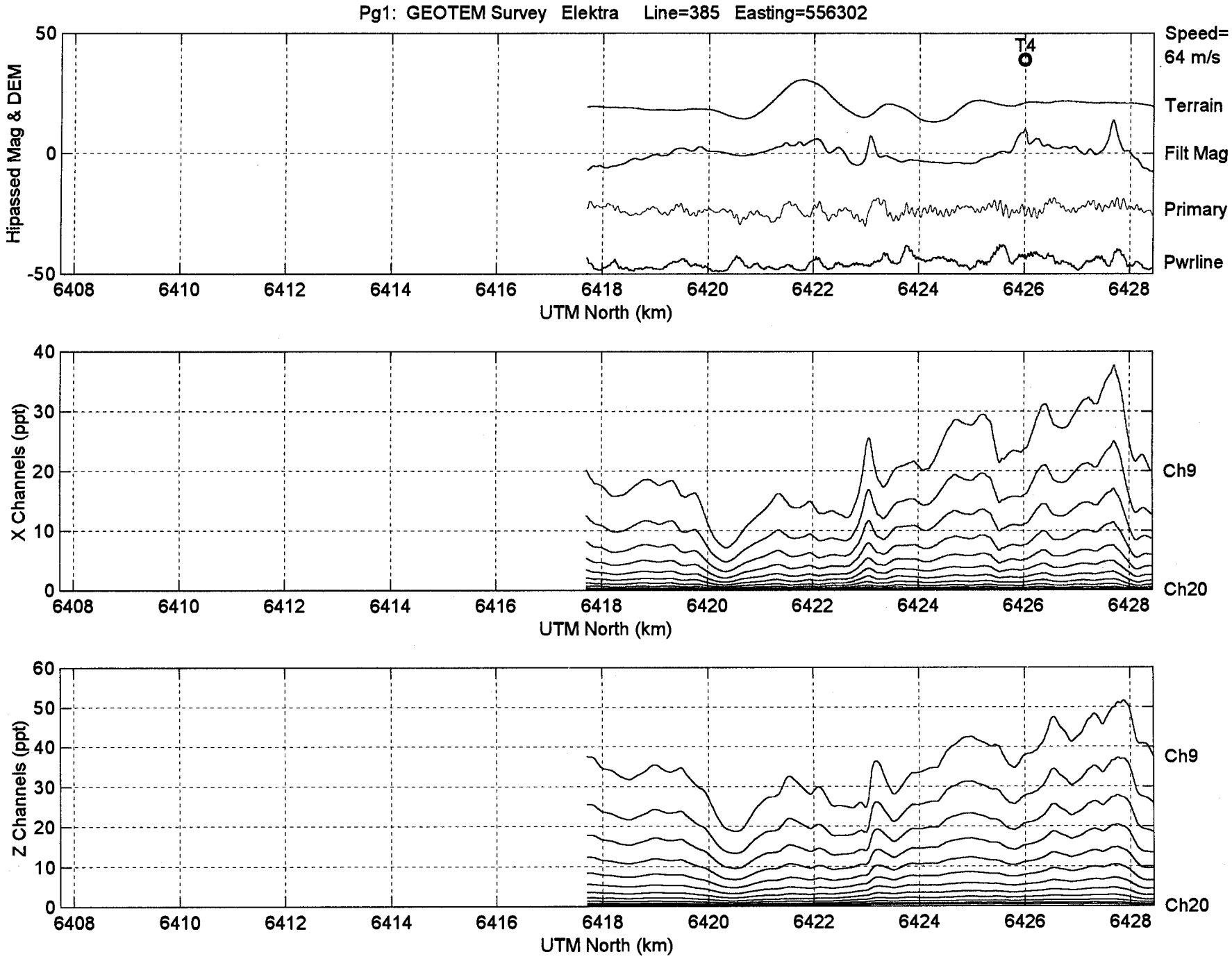

Pg1: GEOTEM Survey Elektra Line=380 Easting=555291
Hipassed Mag & DEM
50
0
-50
Speed=
-61 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

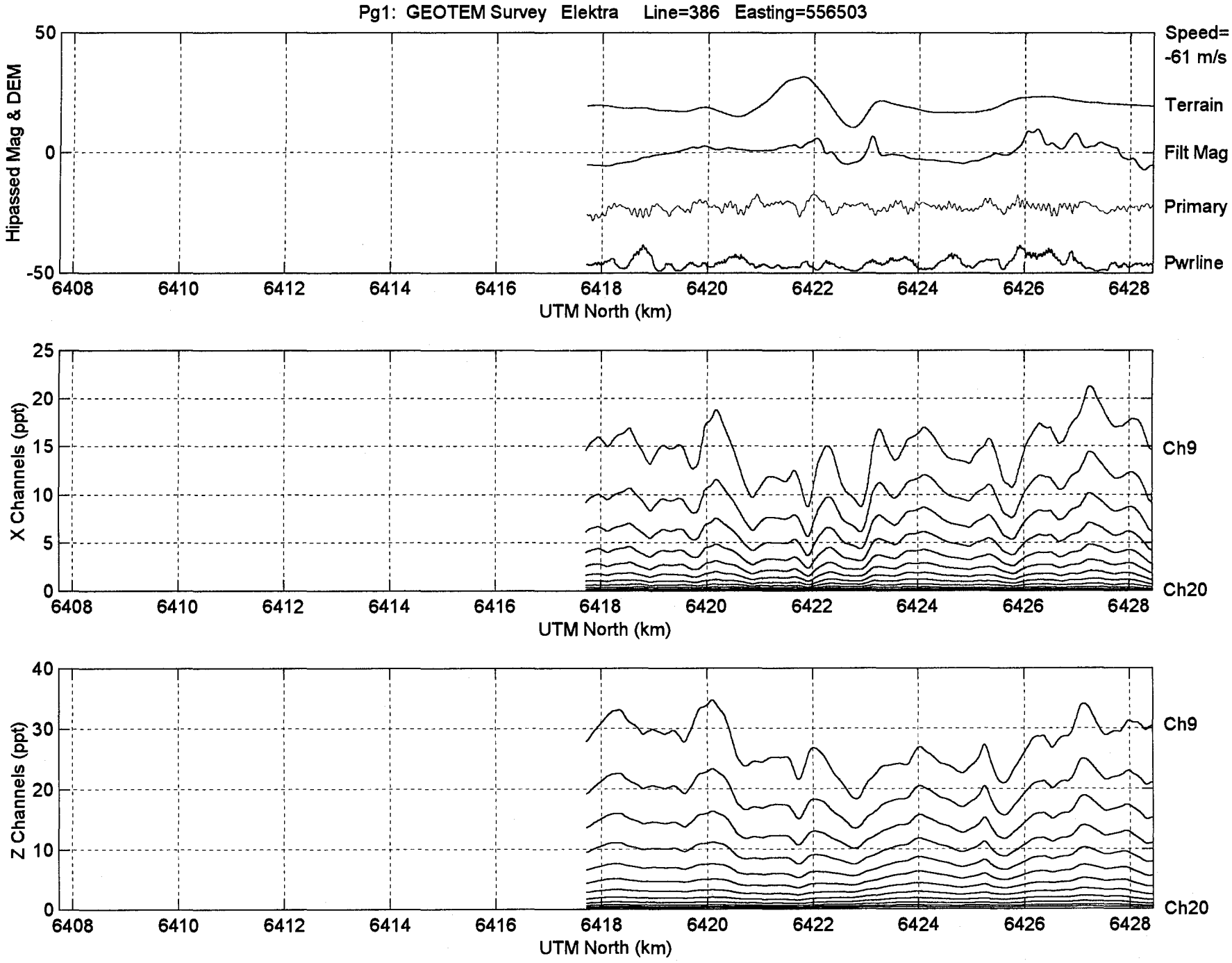

Pg1: GEOTEM Survey Elektra Line=381 Easting=555508
Hipassed Mag & DEM
50
0
-50
S4
Speed=
64 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
60
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

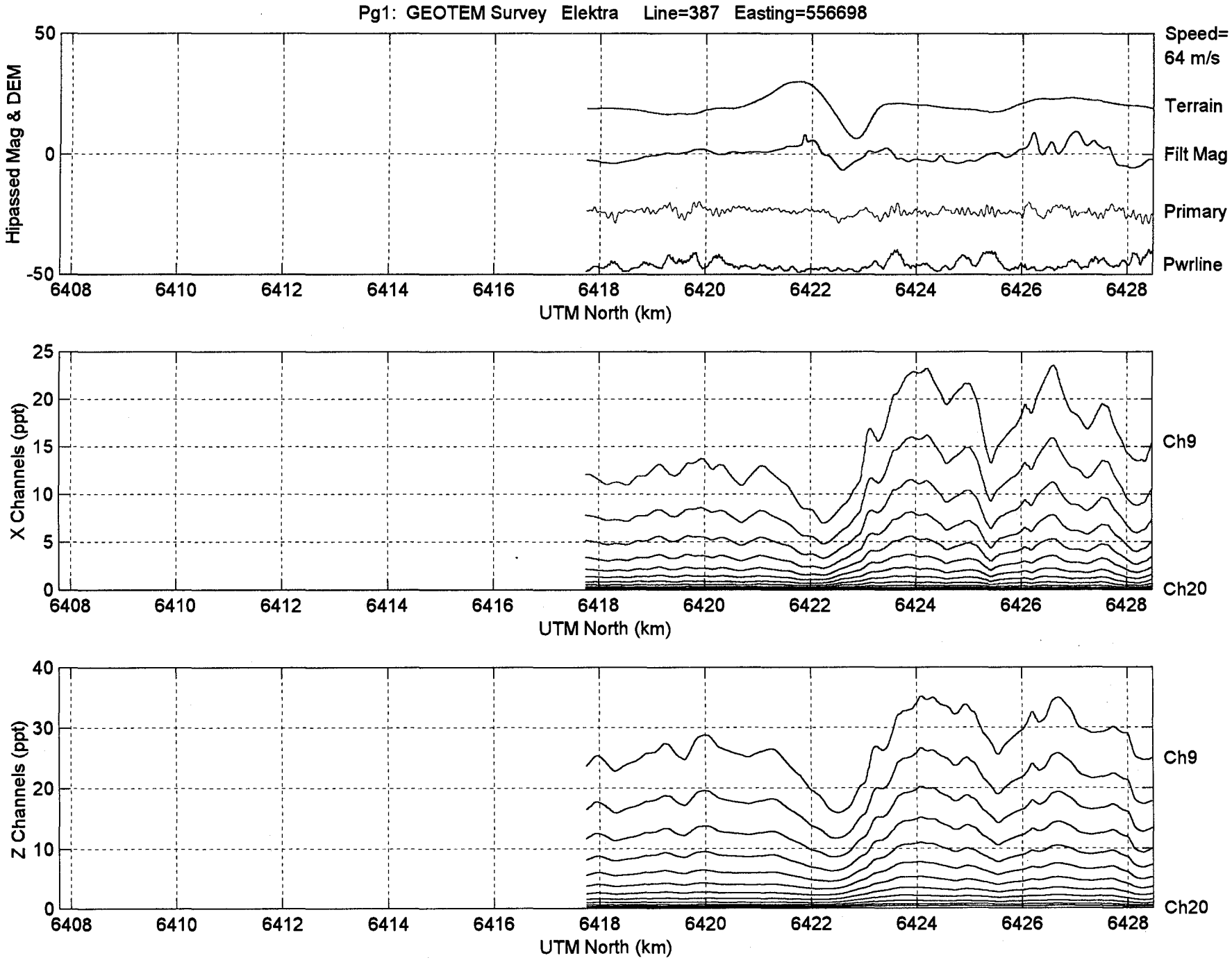

Pg1: GEOTEM Survey Elektra Line=382 Easting=555706
Hipassed Mag & DEM
50
0
-50
Speed=
-64 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

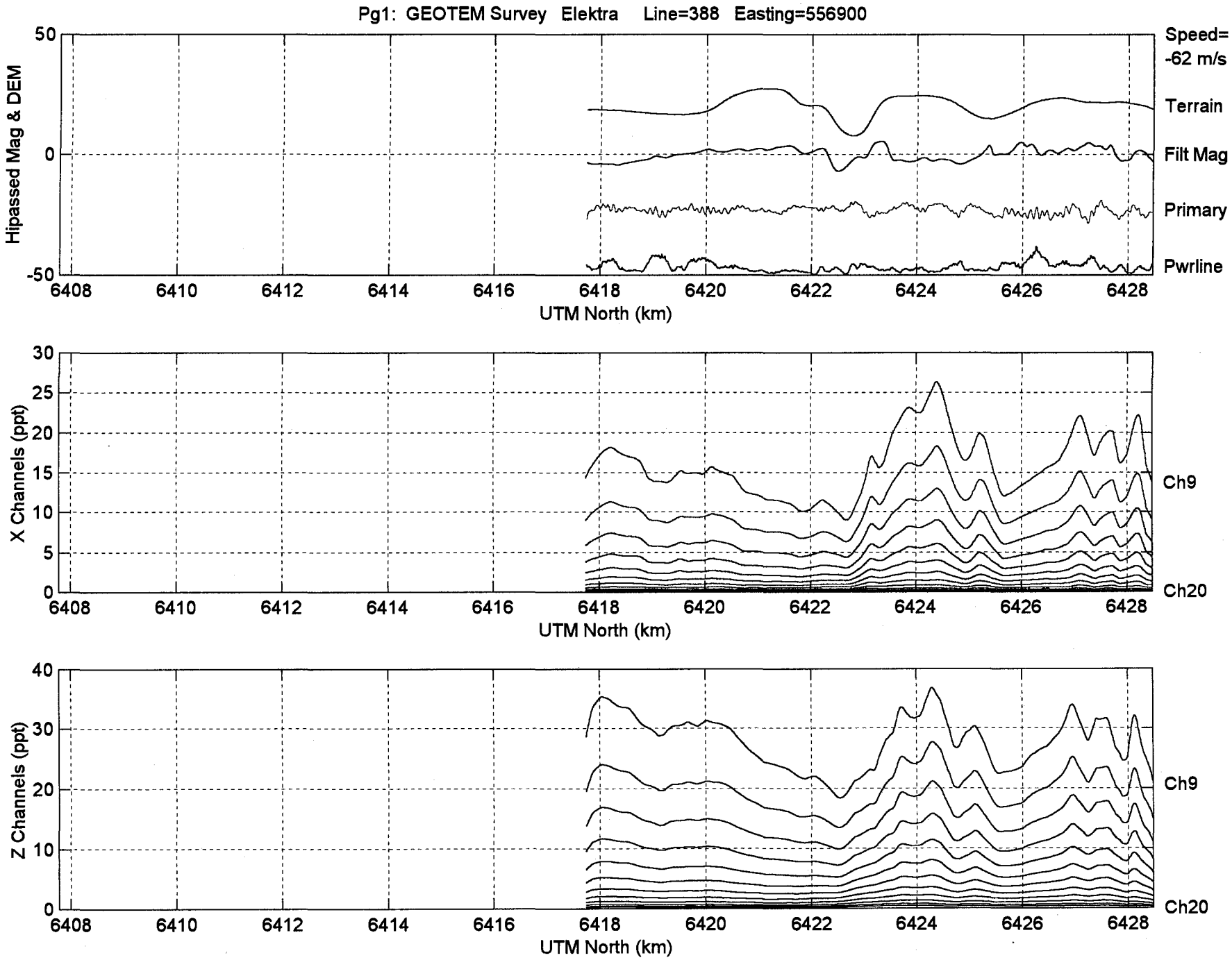

Pg1: GEOTEM Survey Elektra Line=383 Easting=555897
Hipassed Mag & DEM
50
0
-50
Speed=
65 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

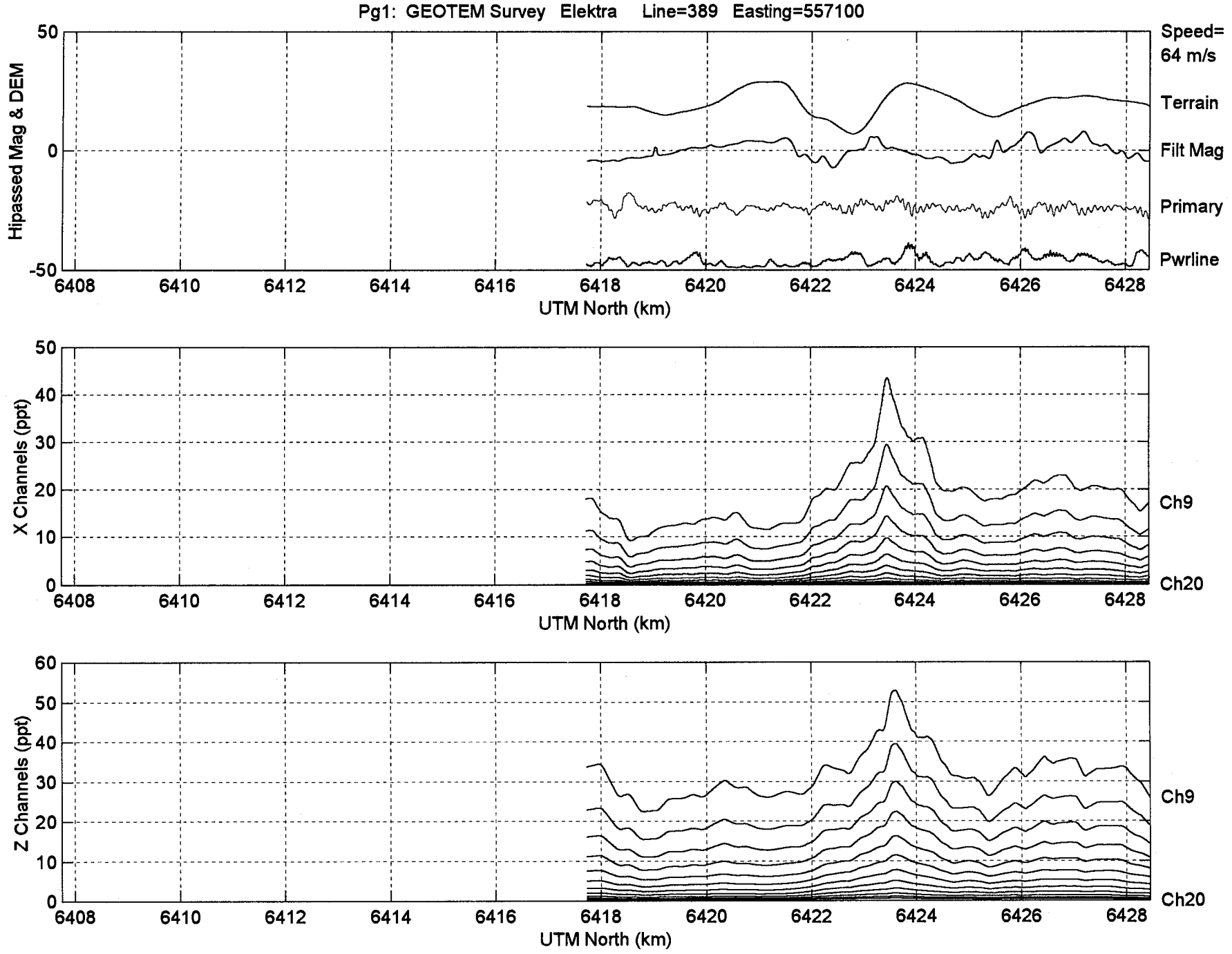

Pg1: GEOTEM Survey Elektra Line=384 Easting=556112
Hipassed Mag & DEM
50
0
-50
Speed=
-63 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)

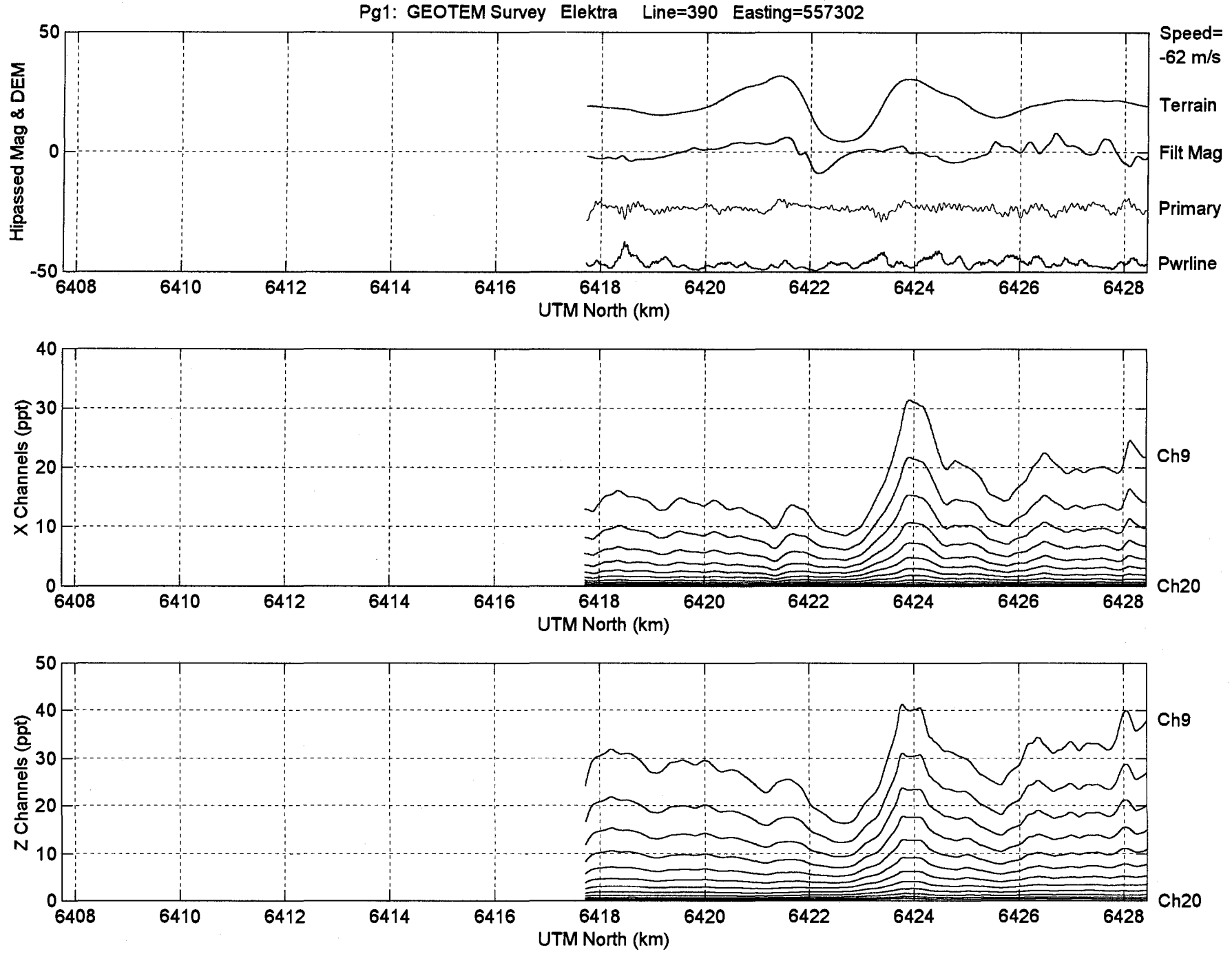

Pg1: GEOTEM Survey Elektra Line=385 Easting=556302
Hipassed Mag & DEM
50
0
-50
T4
Speed=
64 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
60
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

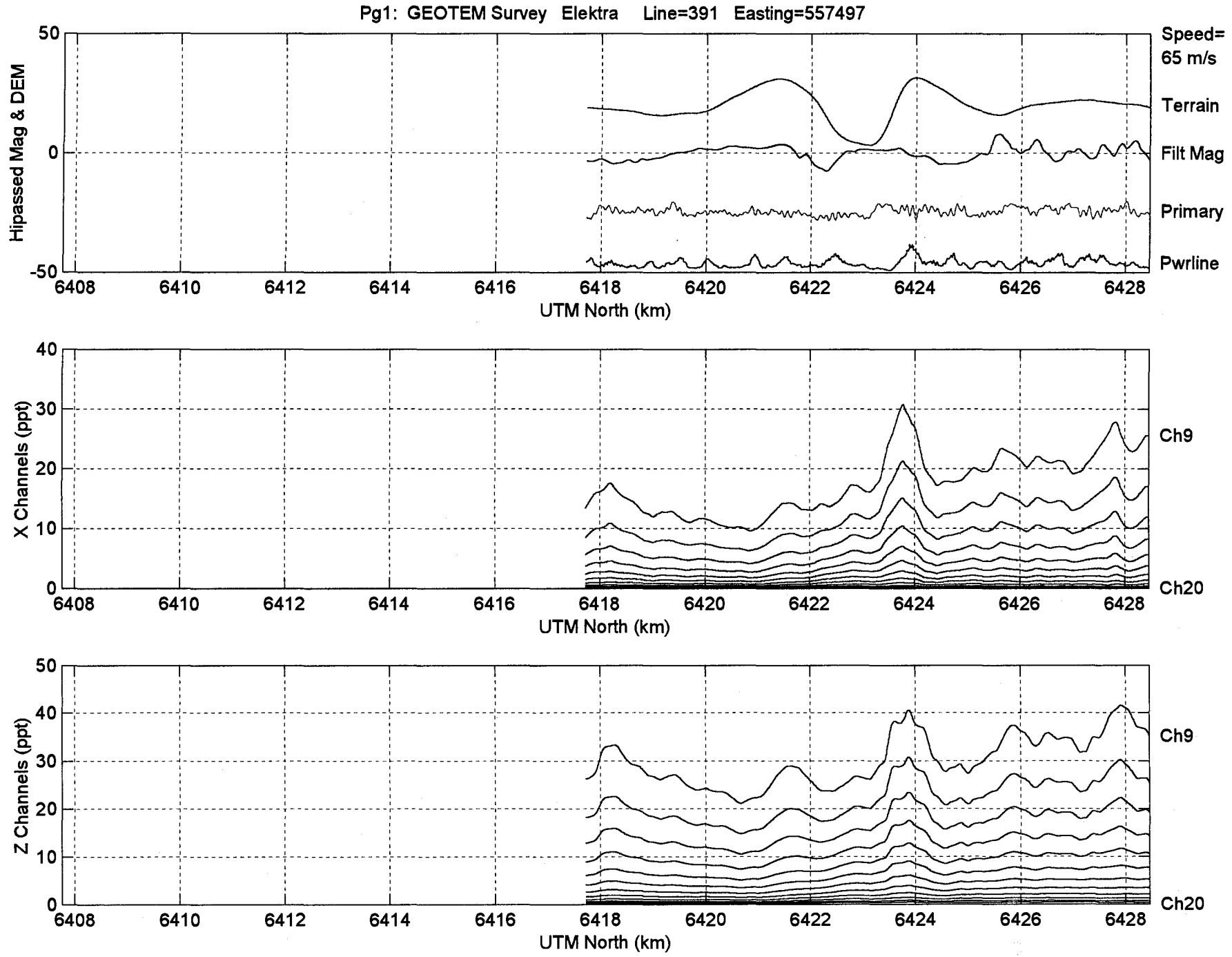

Pg1: GEOTEM Survey Elektra Line=386 Easting=556503
Hipassed Mag & DEM
50
0
-50
Speed=
-61 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)

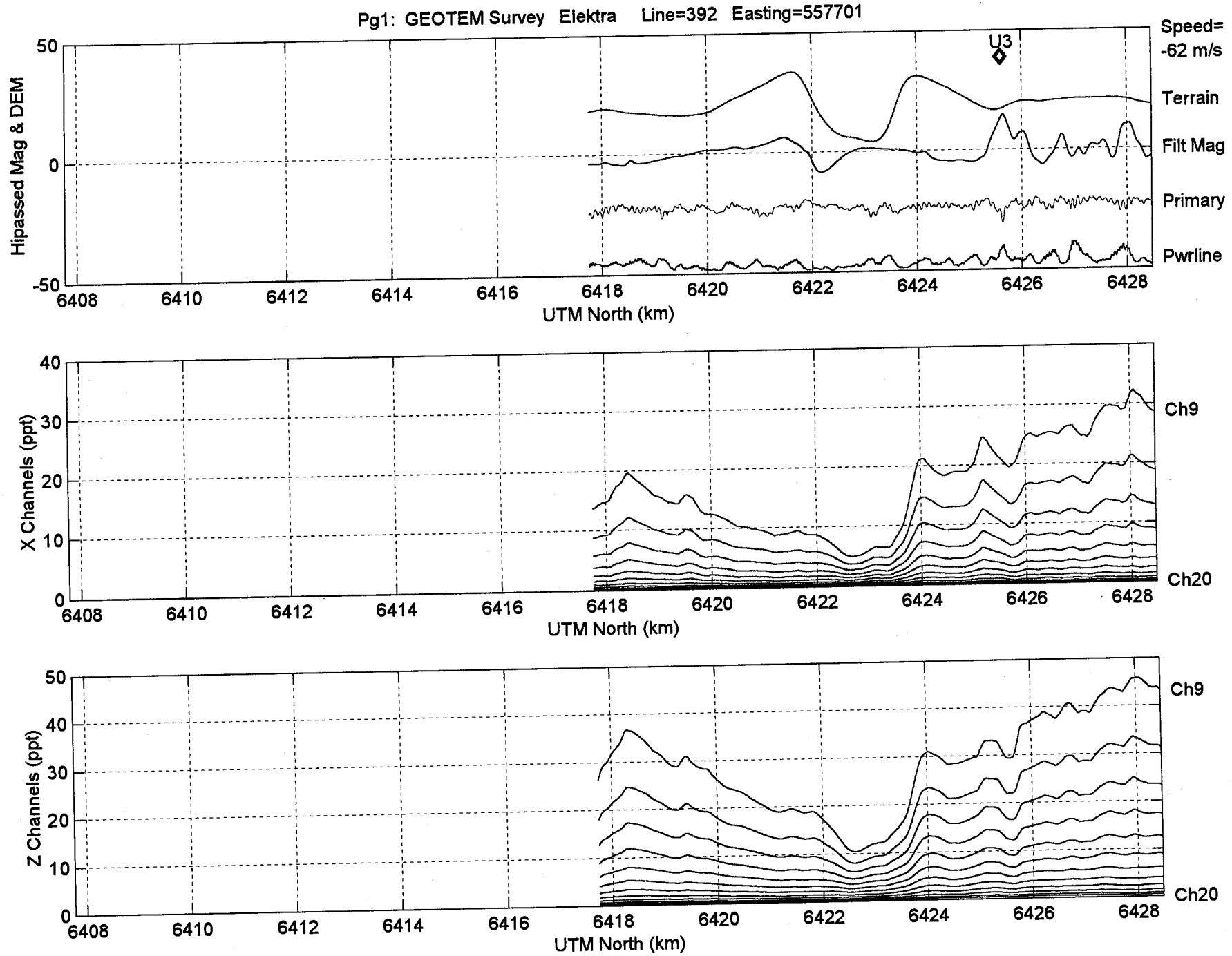

Pg1: GEOTEM Survey Elektra Line=387 Easting=556698
Hipassed Mag & DEM
50
0
-50
Speed=
64 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)

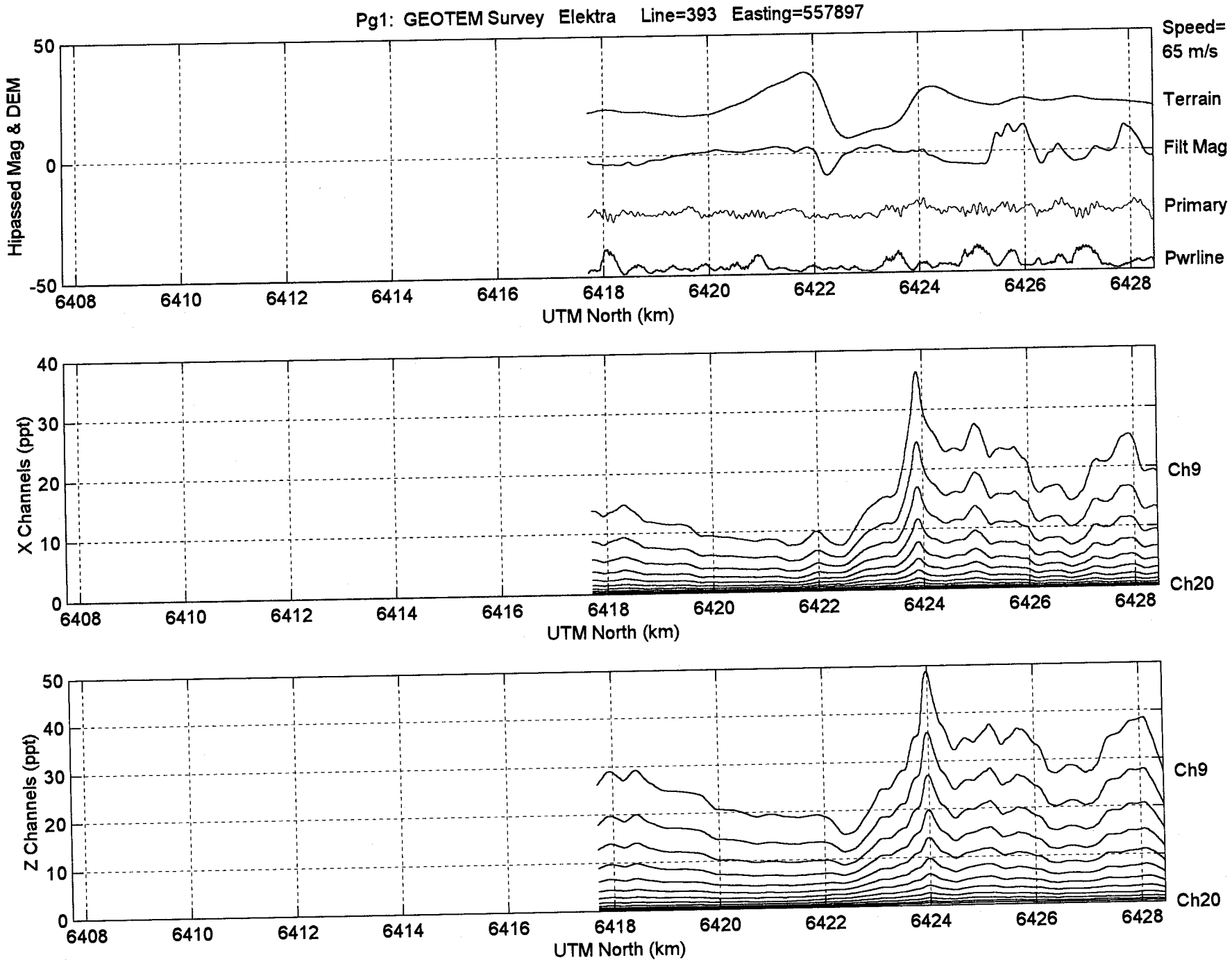

Pg1: GEOTEM Survey Elektra Line=388 Easting=556900
Hipassed Mag & DEM
50
0
-50
Speed=
-62 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)

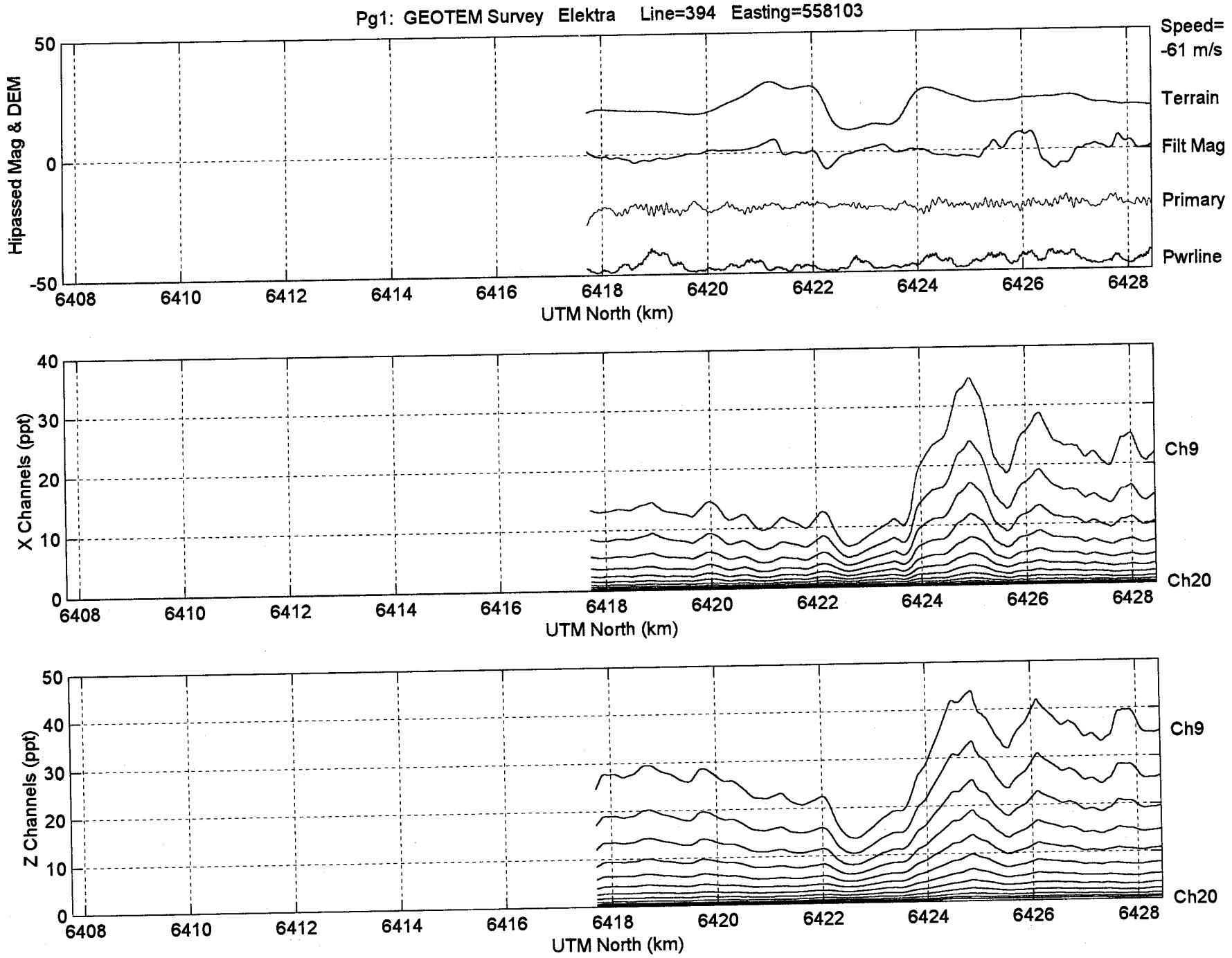

Pg1: GEOTEM Survey Elektra Line=389 Easting=557100
Hipassed Mag & DEM
50
0
-50
Speed=
64 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
Ch9
Ch20
Z Channels (ppt)
60

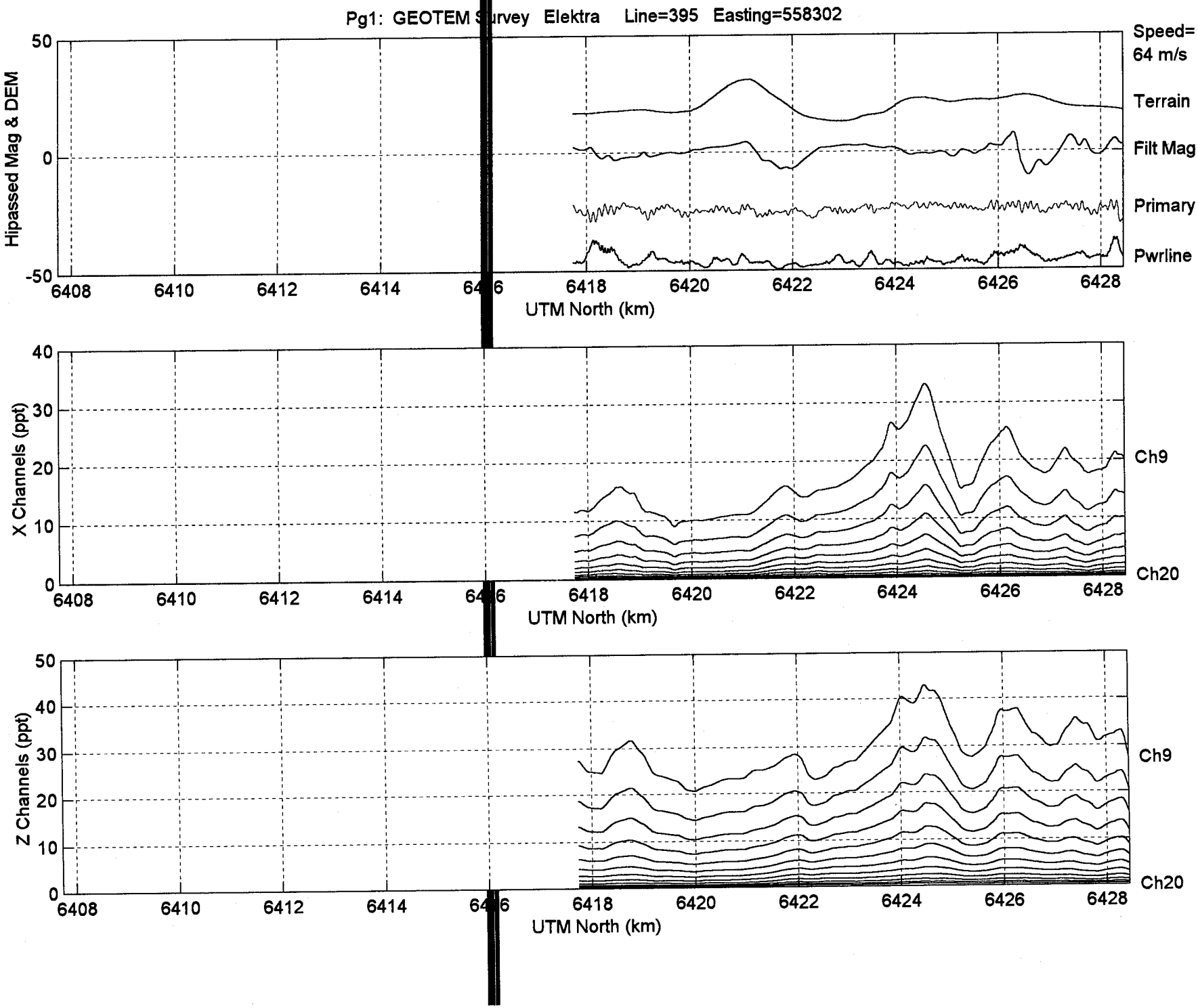

Pg1: GEOTEM Survey Elektra Line=390 Easting=557302
Hipassed Mag & DEM
50
0
-50
Speed=
-62 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

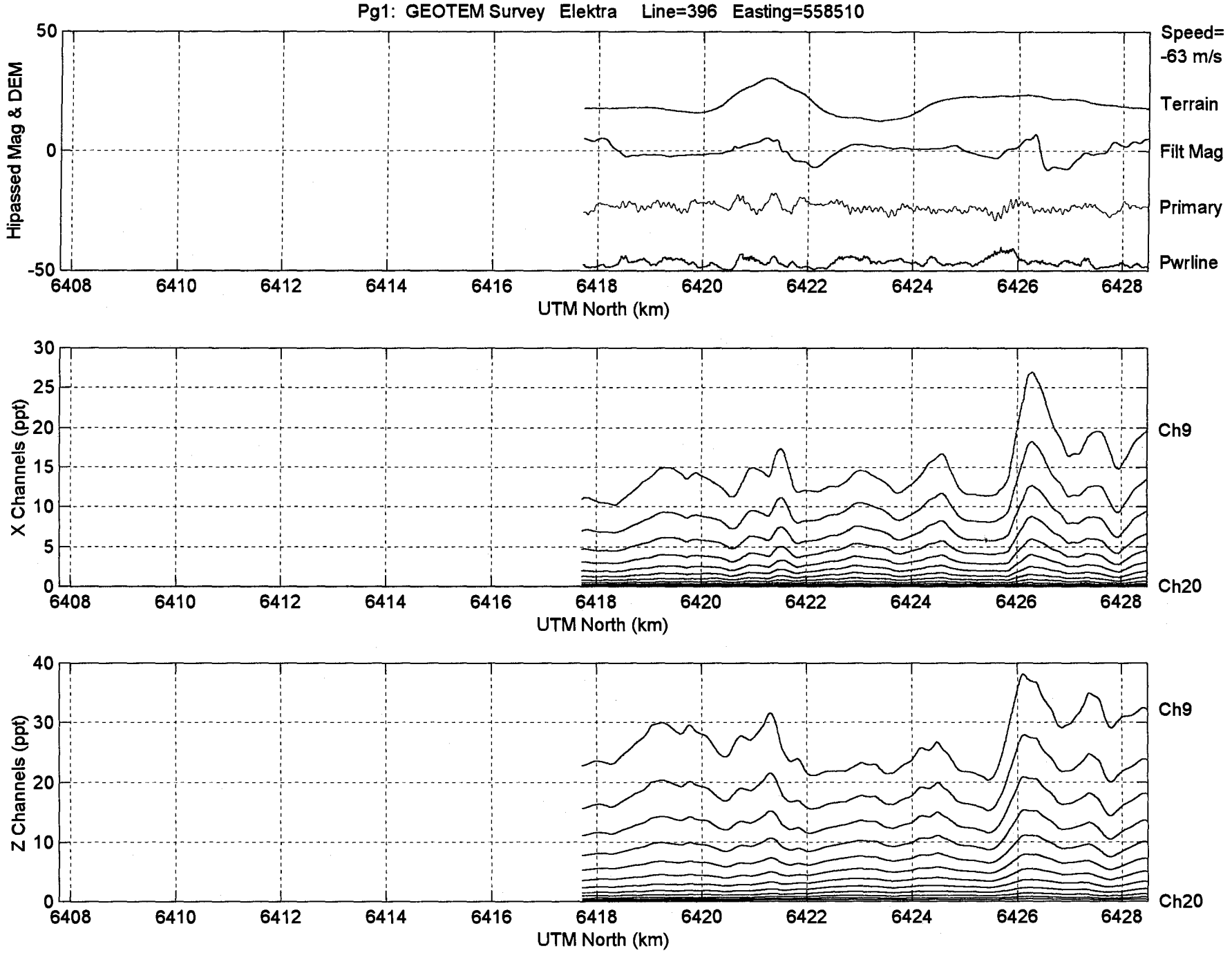

Pg1: GEOTEM Survey Elektra Line=391 Easting=557497
Hipassed Mag & DEM
50
0
-50
Speed=
65 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

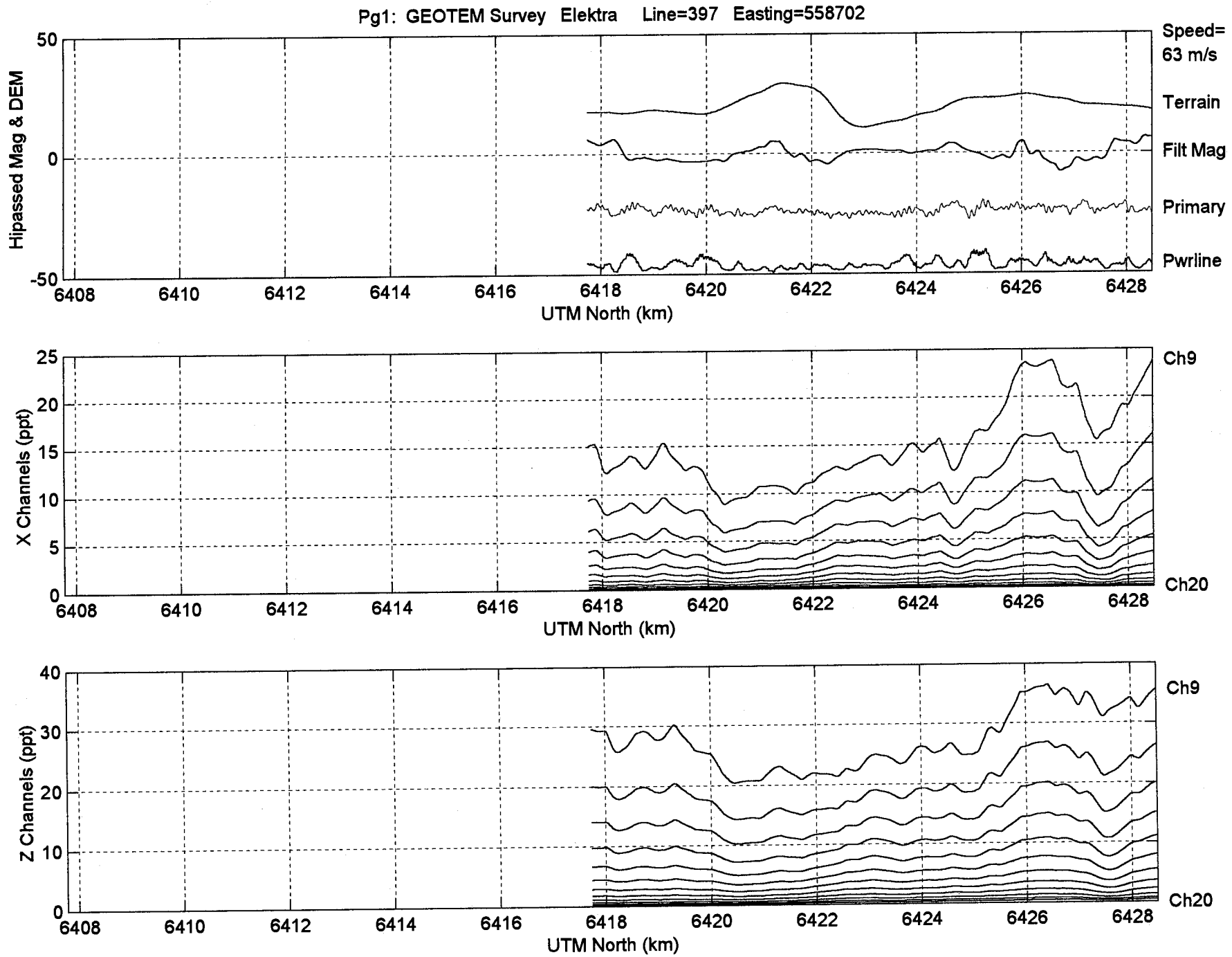

Pg1: GEOTEM Survey Elektra Line=392 Easting=557701
Speed=
-62 m/s
U3
Terrain
Filt Mag
Primary
Pwrline
Hipassed Mag & DEM
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

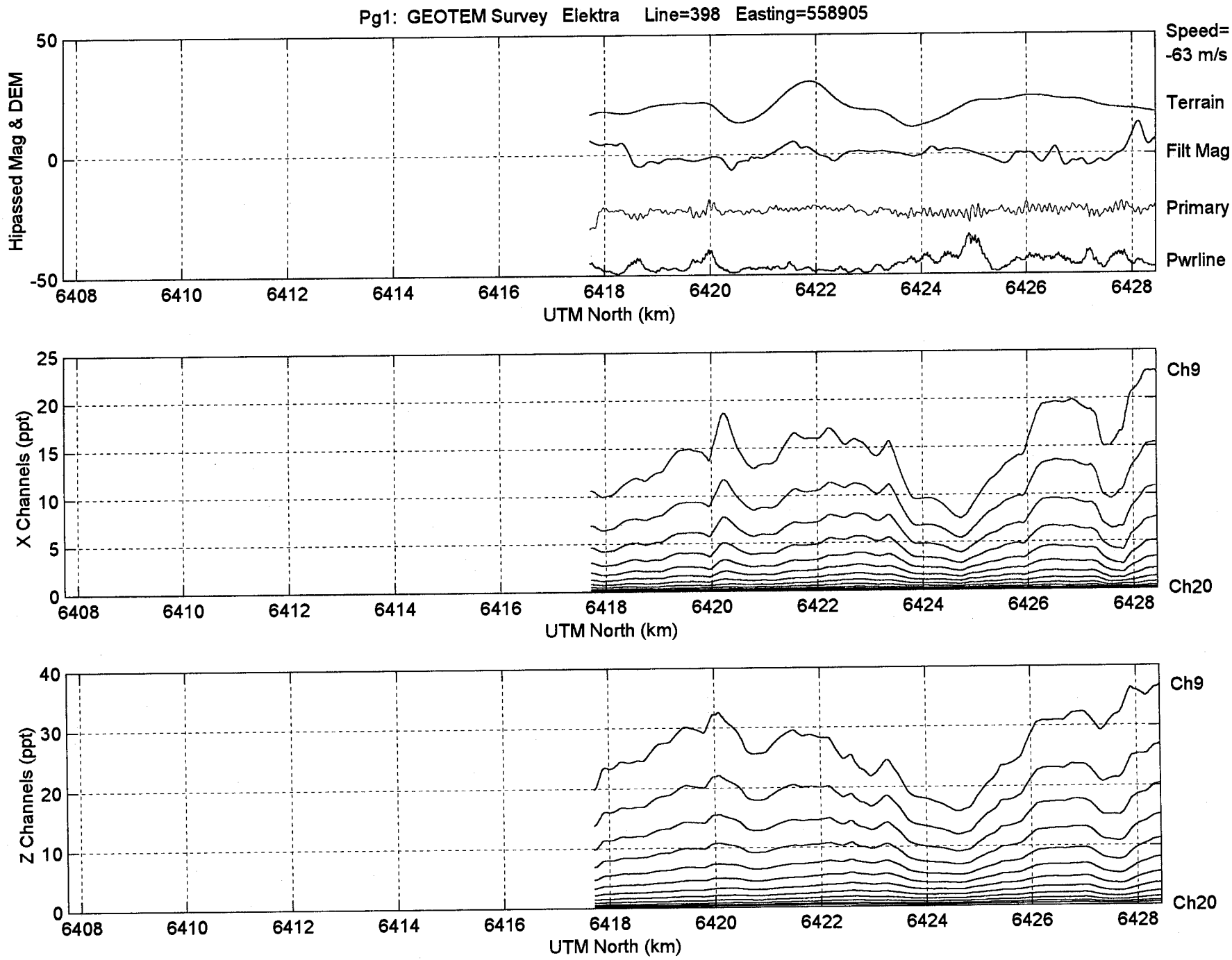

Pg1: GEOTEM Survey Elektra Line=393 Easting=557897
Speed= 65 m/s
Terrain
Filt Mag
Primary
Pwrline
Hipassed Mag & DEM
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

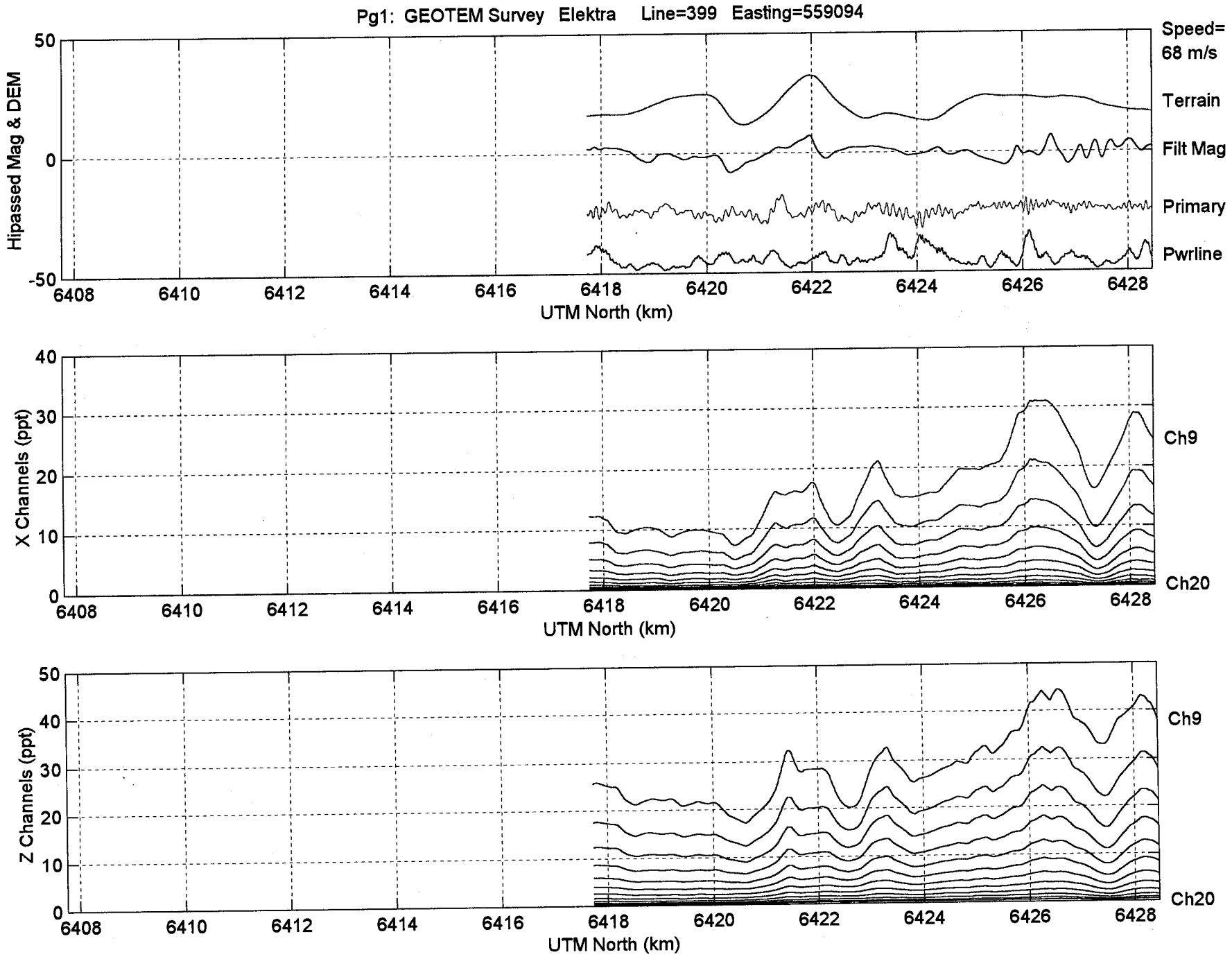

Pg1: GEOTEM Survey Elektra Line=394 Easting=558103
Speed=
-61 m/s
Terrain
Filt Mag
Primary
Pwrline
Hipassed Mag & DEM
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

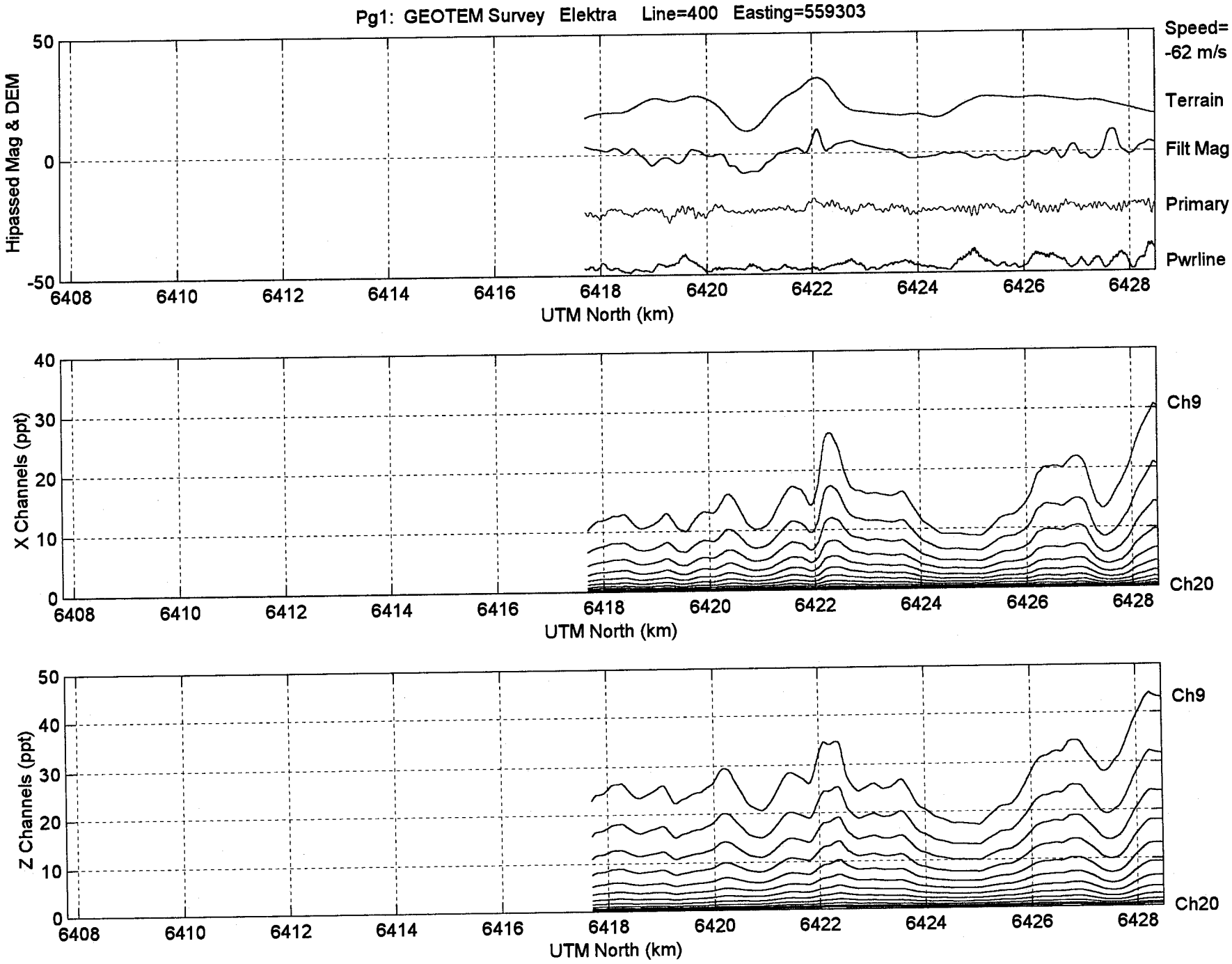

Pg1: GEOTEM Survey Elektra Line=395 Easting=558302
Hipassed Mag & DEM
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
64 m/s
Terrain
Filt Mag
Primary
Pwrline
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)

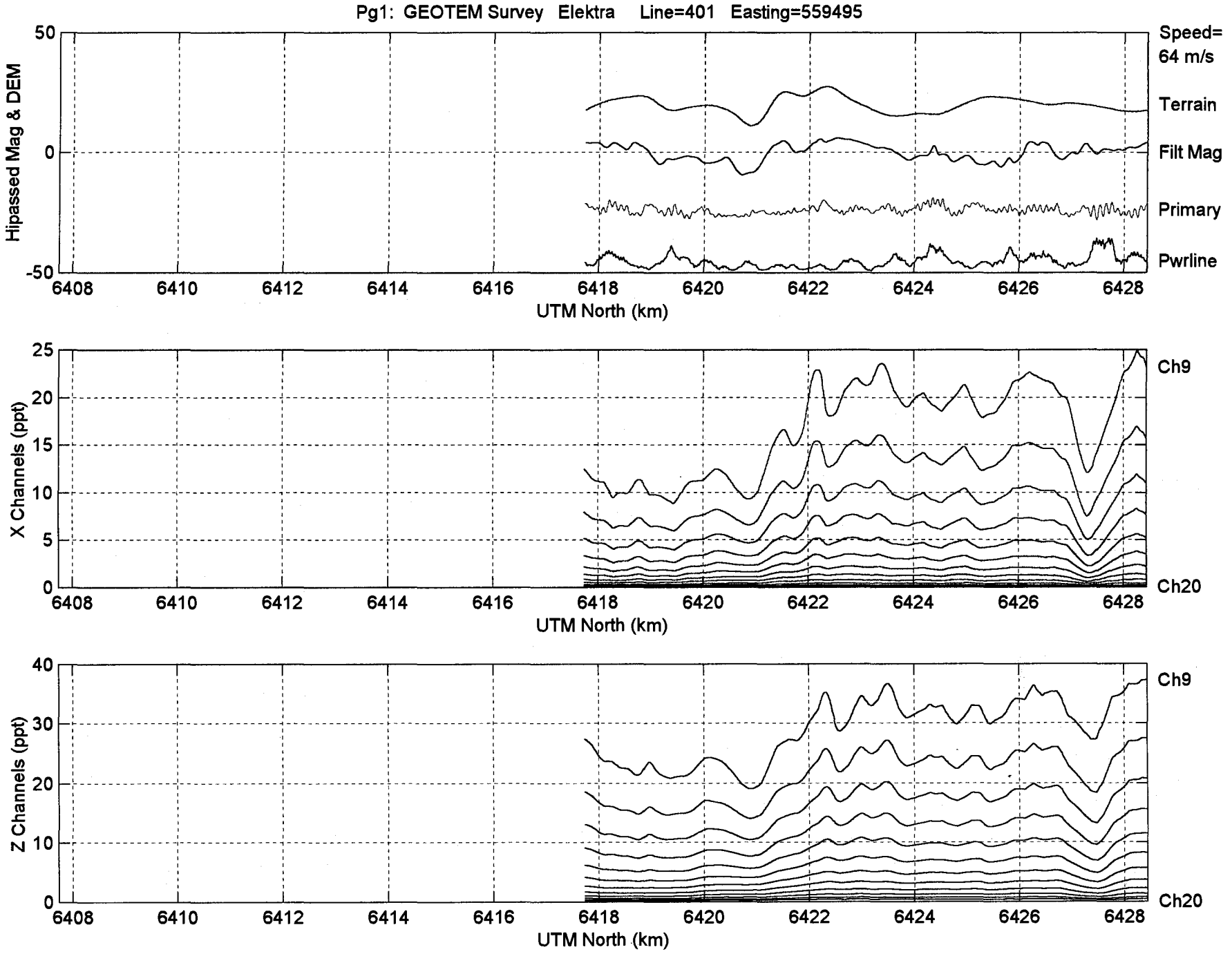

Pg1: GEOTEM Survey Elektra Line=396 Easting=558510
Hipassed Mag & DEM
50
0
-50
Speed=
-63 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)

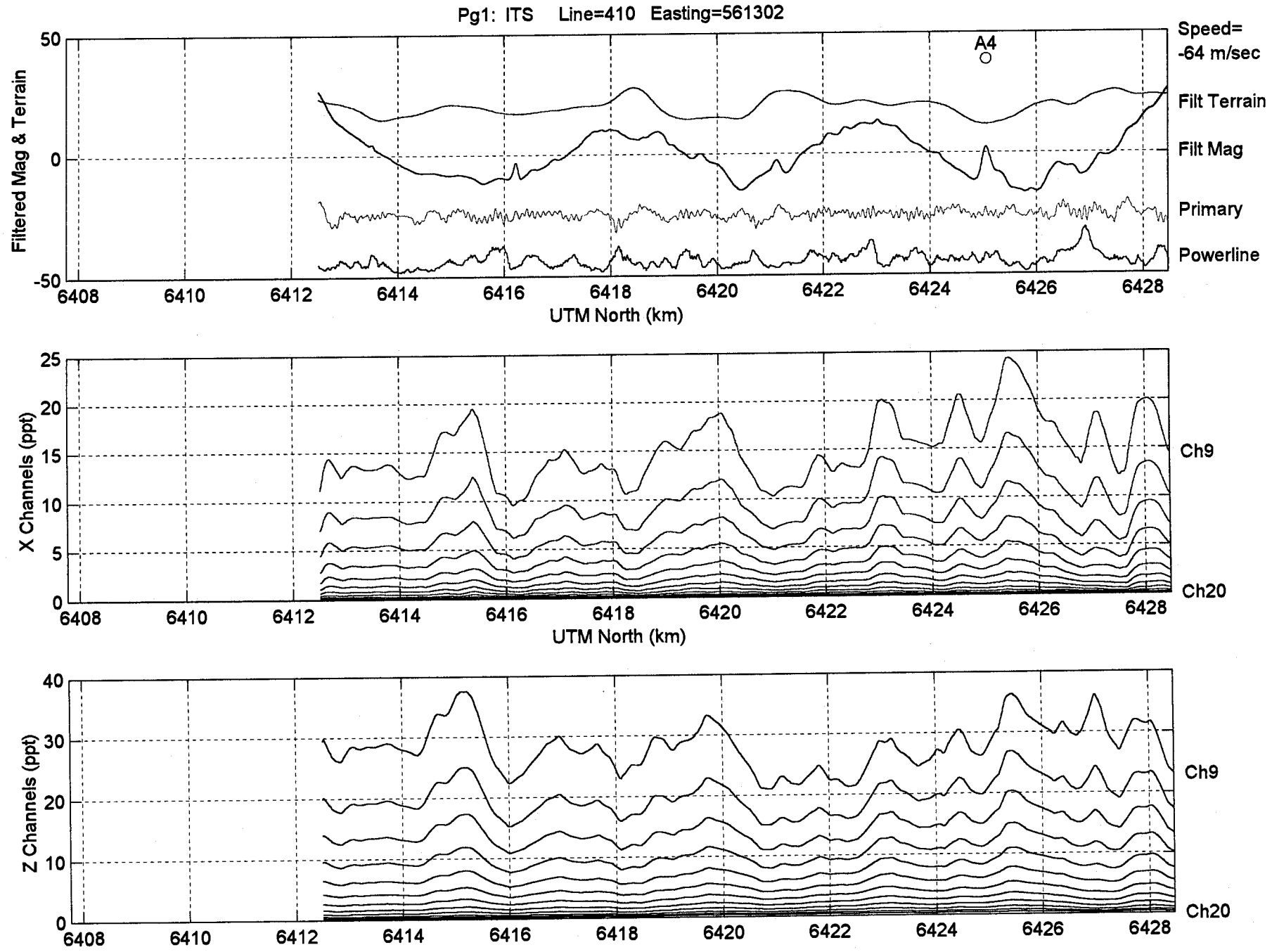

Pg1: GEOTEM Survey Elektra Line=397 Easting=558702
Speed=
63 m/s
Terrain
Filt Mag
Primary
Pwrline
Hipassed Mag & DEM
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0

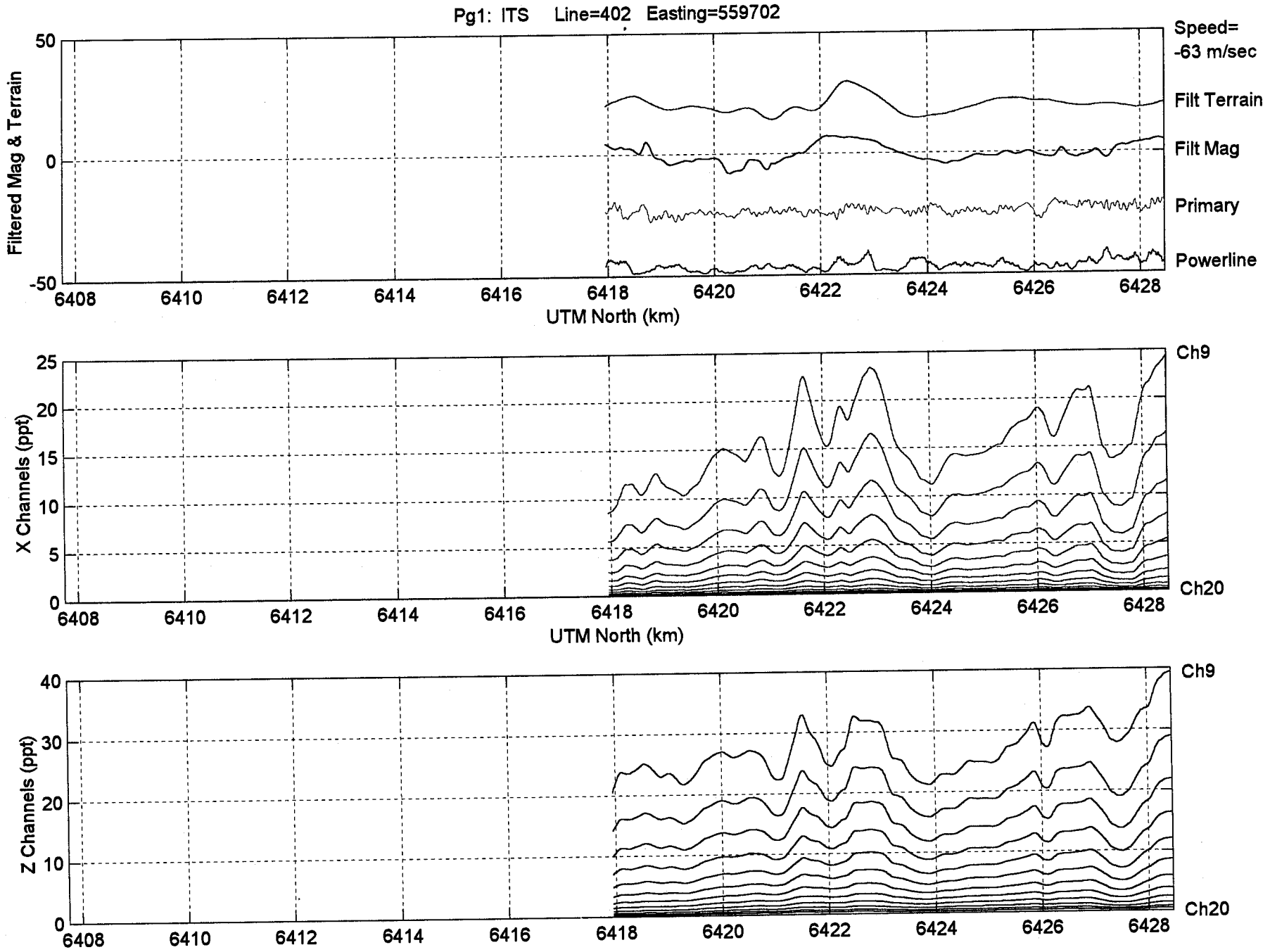

Pg1: GEOTEM Survey Elektra Line=398 Easting=558905
Hipassed Mag & DEM
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
-63 m/s
Terrain
Filt Mag
Primary
Pwrline
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0

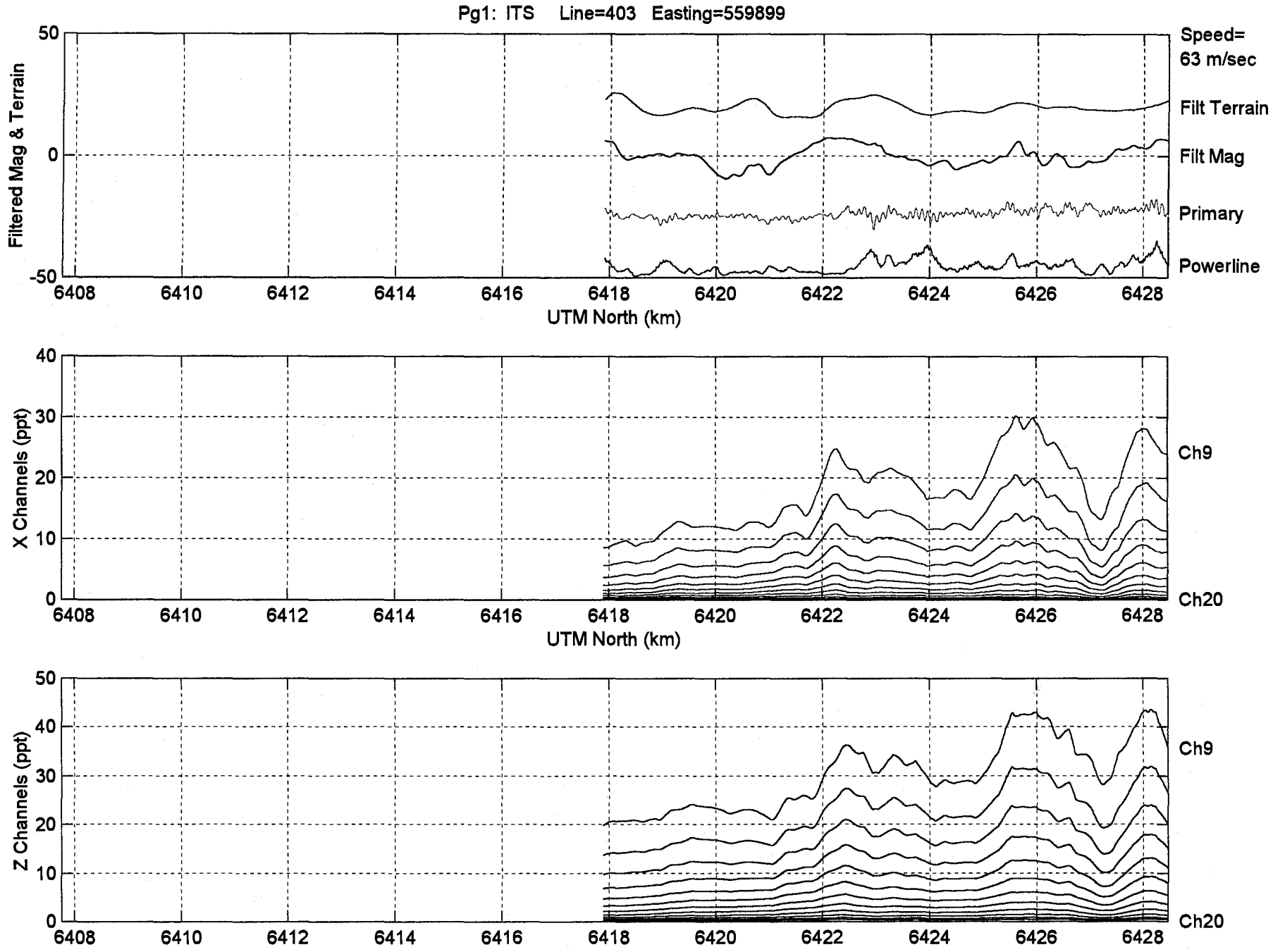

Pg1: GEOTEM Survey Elektra Line=399 Easting=559094
Speed= 68 m/s
Terrain
Filt Mag
Primary
Pwrline
Hipassed Mag & DEM
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)

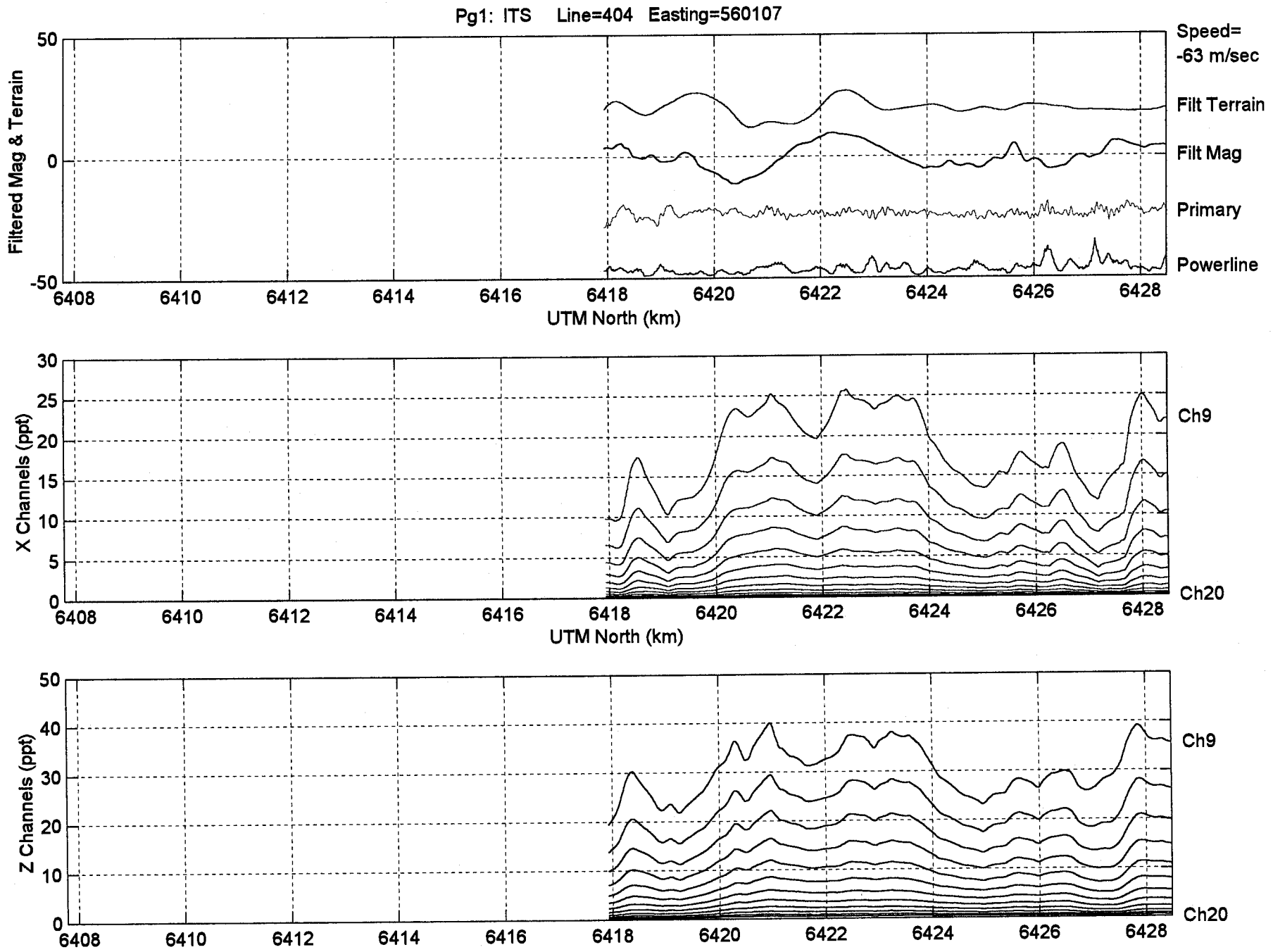

Pg1: GEOTEM Survey Elektra Line=400 Easting=559303
Hipassed Mag & DEM
50
0
-50
Speed=
-62 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)

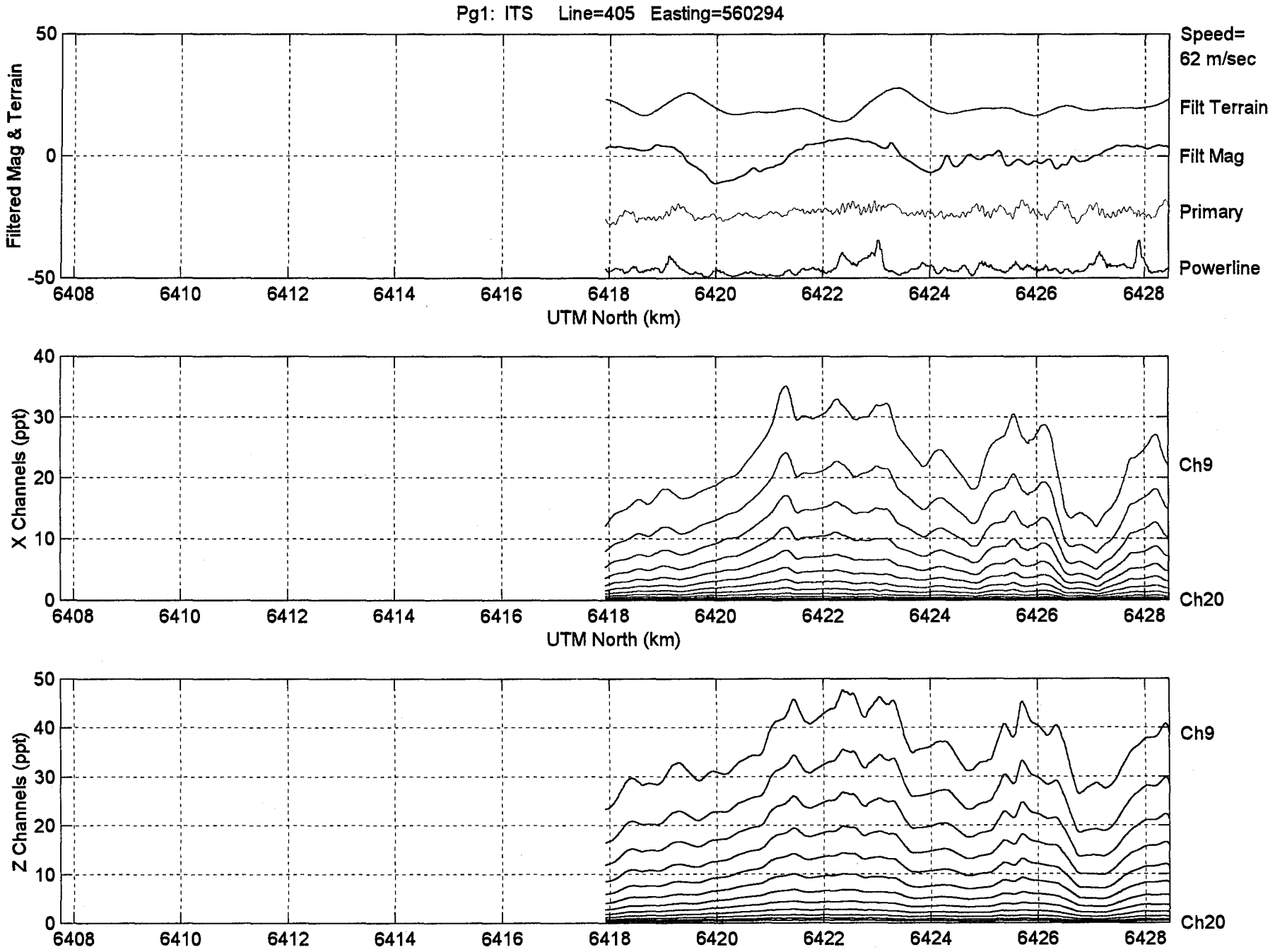

Pg1: GEOTEM Survey Elektra Line=401 Easting=559495
Hipassed Mag & DEM
50
0
-50
Speed=
64 m/s
Terrain
Filt Mag
Primary
Pwrline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)

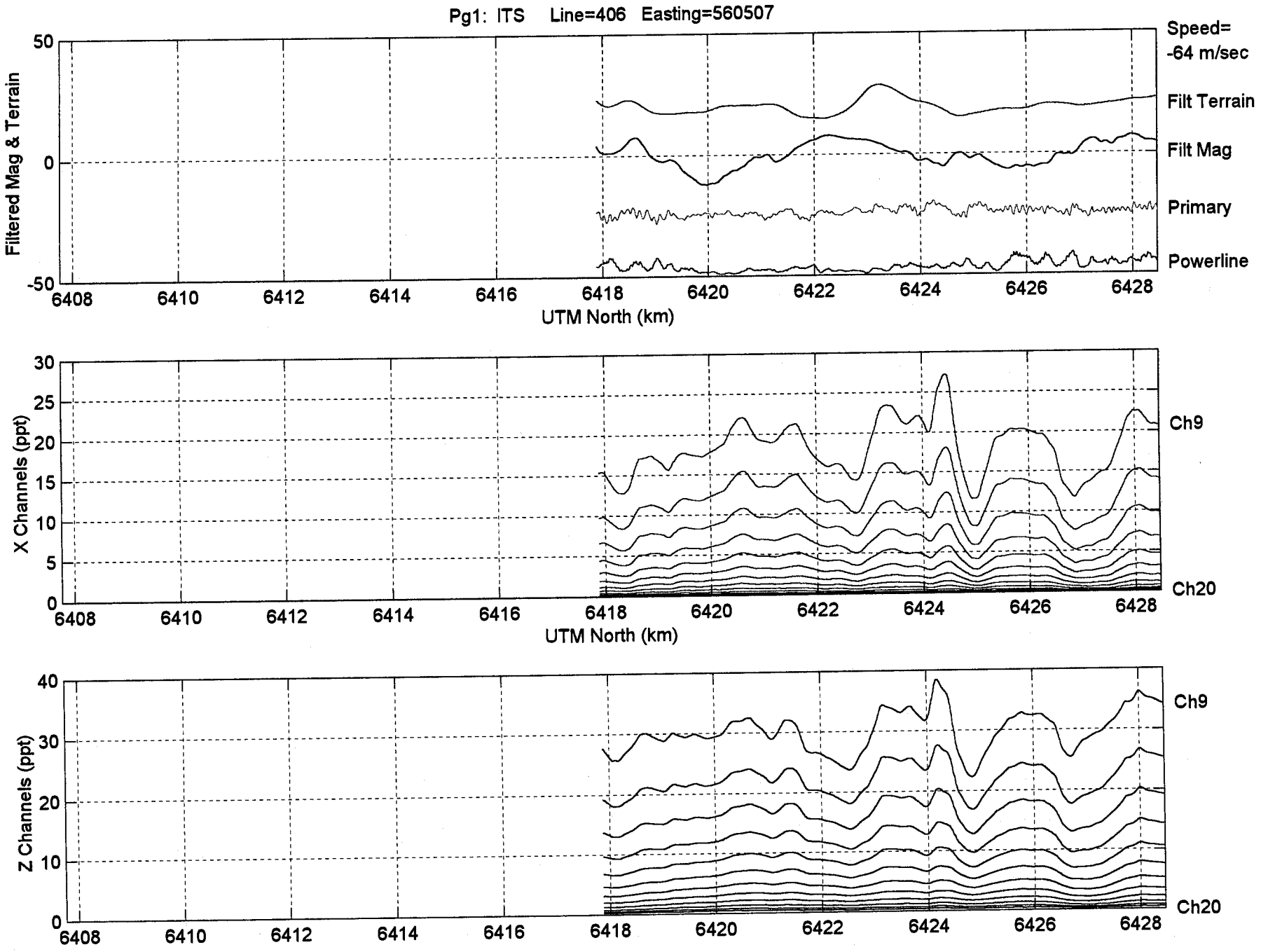

Pg1: ITS Line=410 Easting=561302
Filtered Mag & Terrain
50
0
-50
A4
Speed=
-64 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

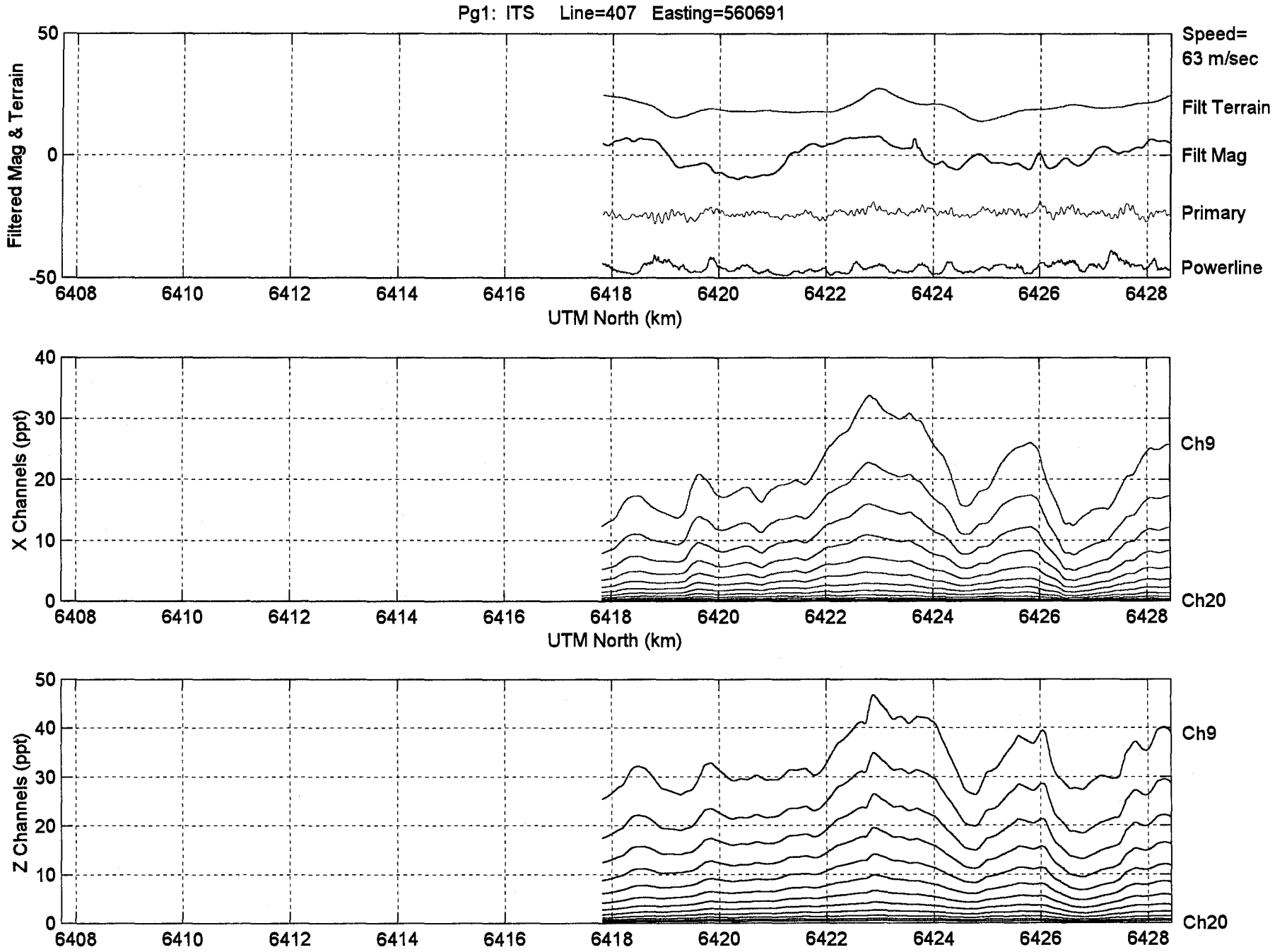

Pg1: ITS Line=402 Easting=559702
Speed=
-63 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Ch9
Ch20
X Channels (ppt)
25
20
15
10
5
0
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0

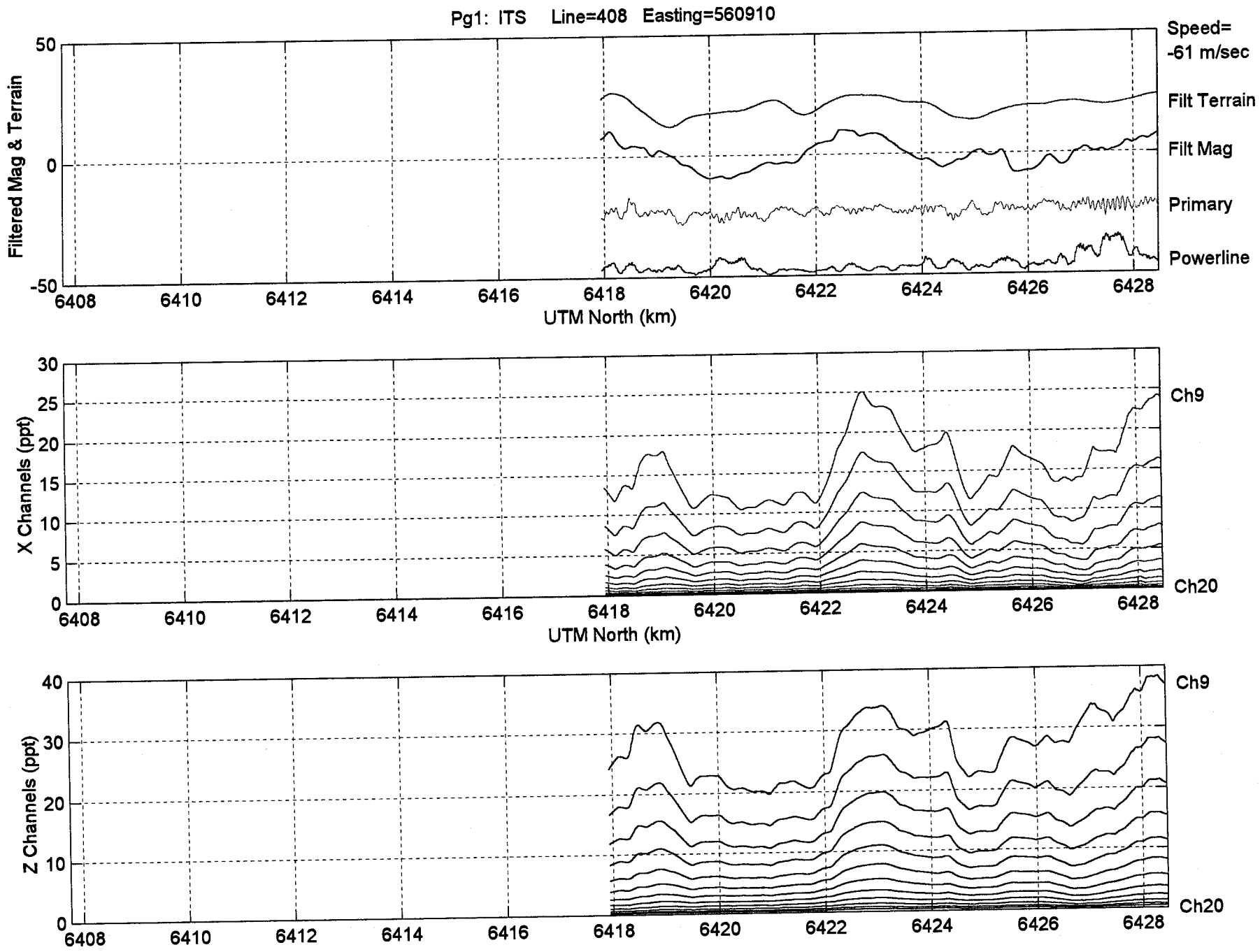

Pg1: ITS Line=403 Easting=559899
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
63 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)

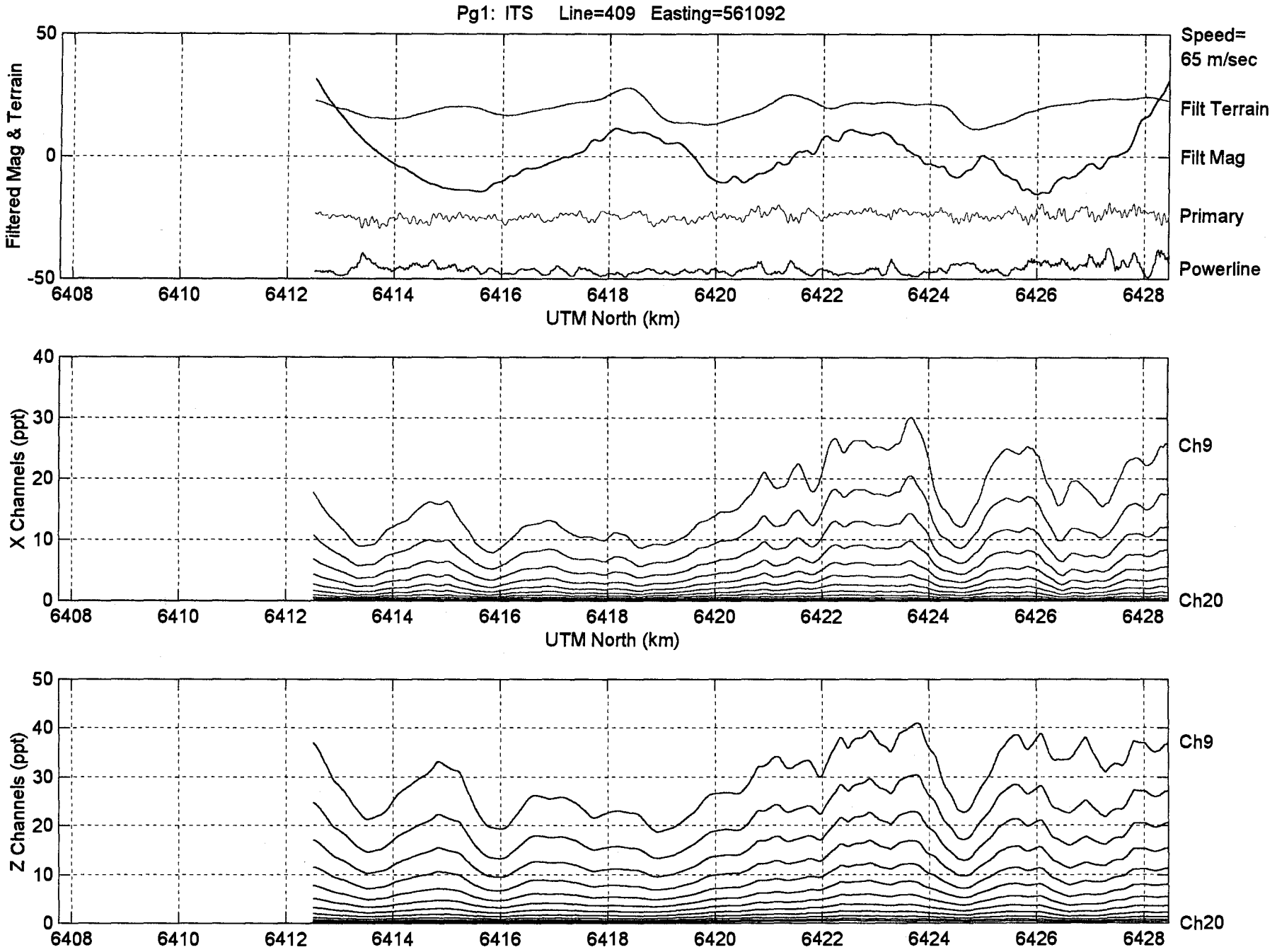

Pg1: ITS Line=404 Easting=560107
Speed=
-63 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20

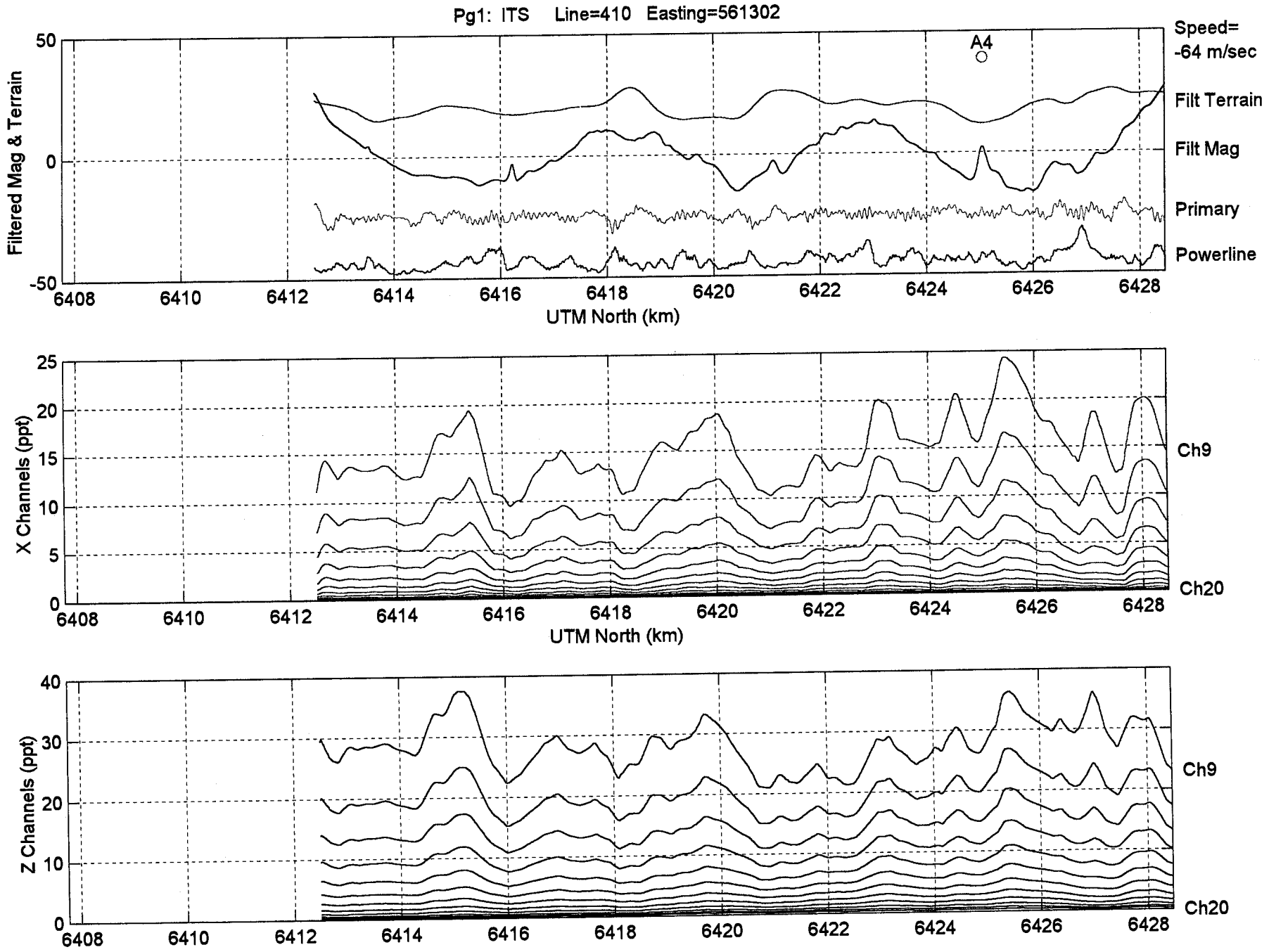

Pg1: ITS Line=405 Easting=560294
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
62 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)

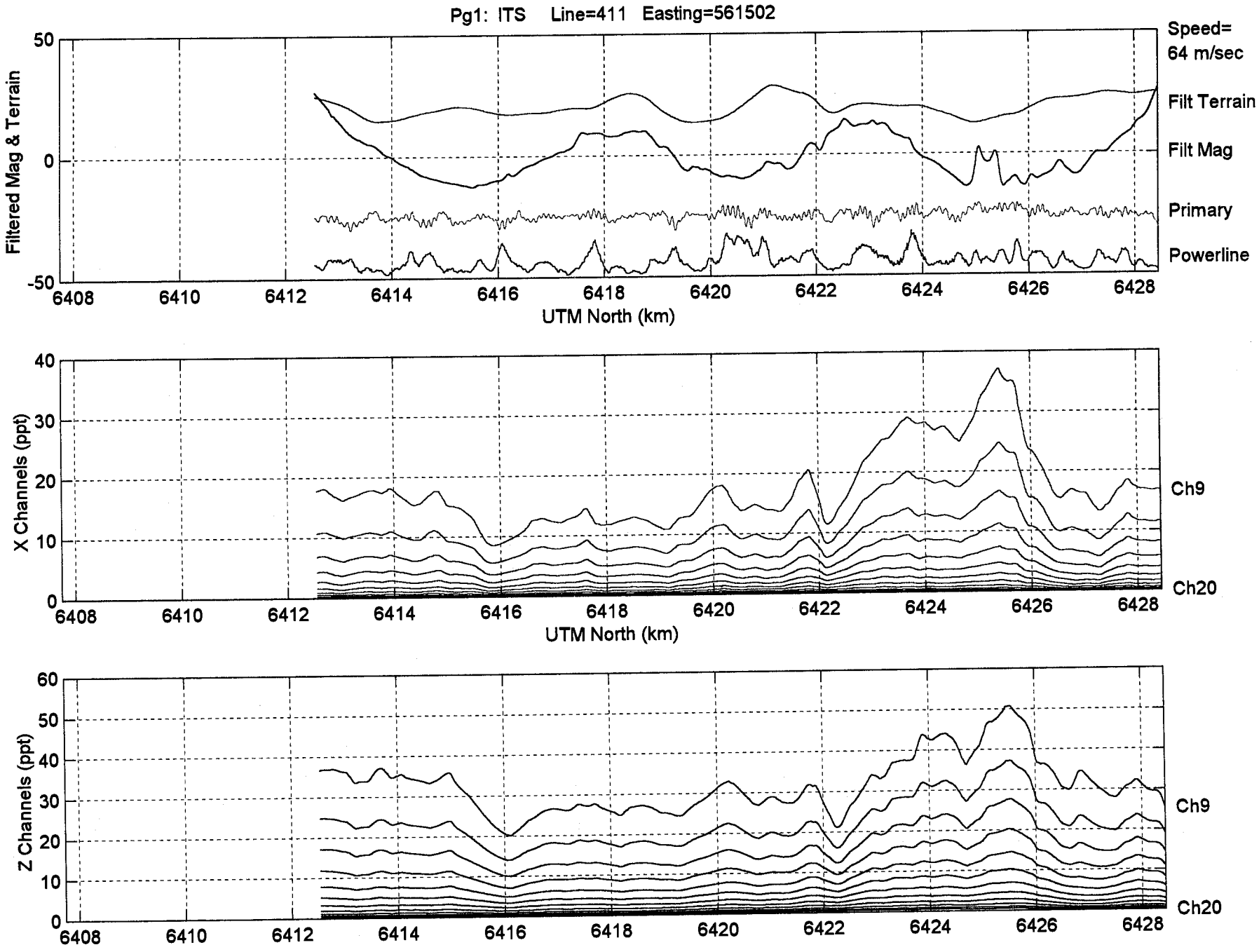

Pg1: ITS Line=406 Easting=560507
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
-64 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0

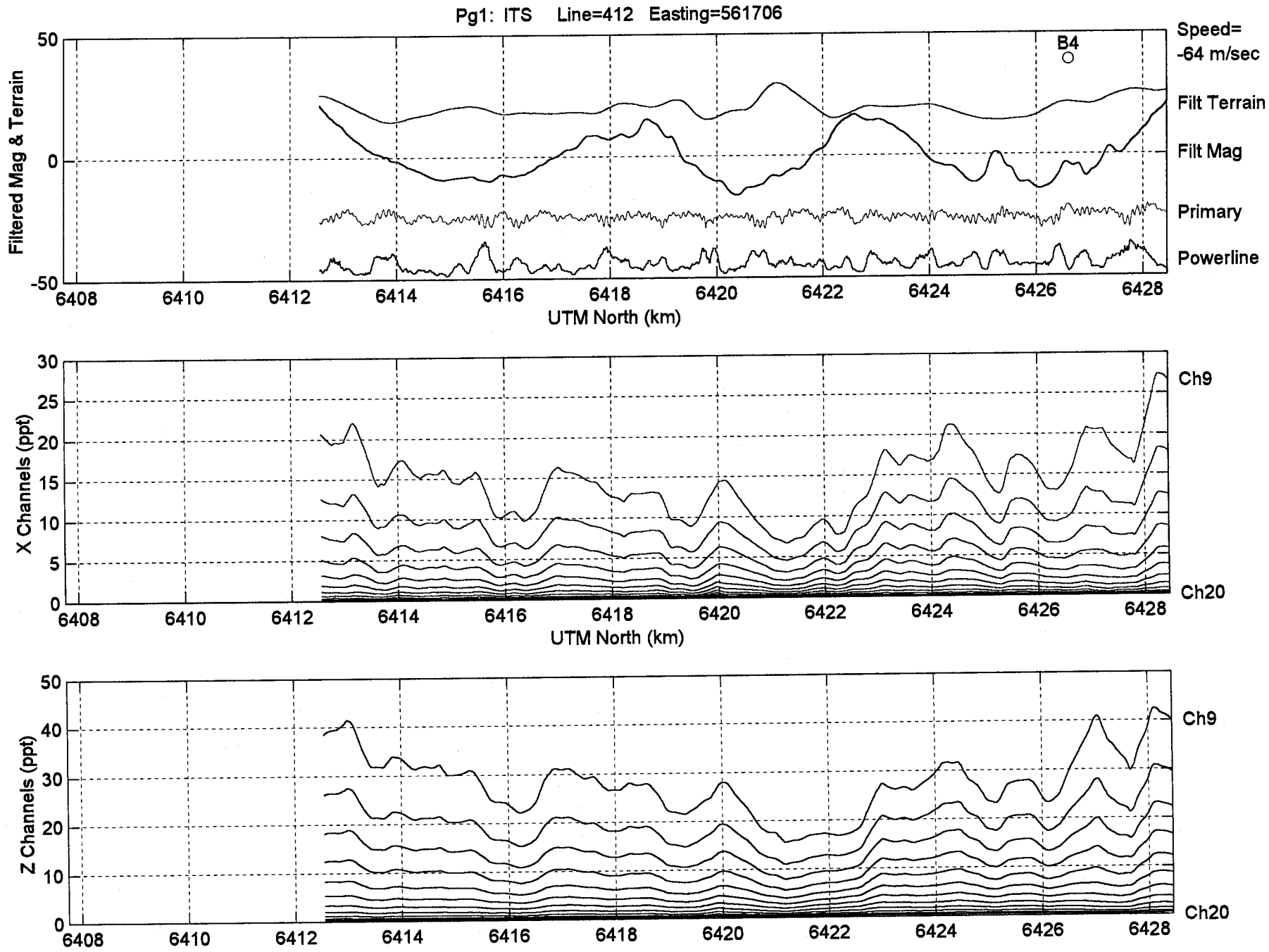

Pg1: ITS Line=407 Easting=560691
Filtered Mag & Terrain
50
0
-50
Speed=
63 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20

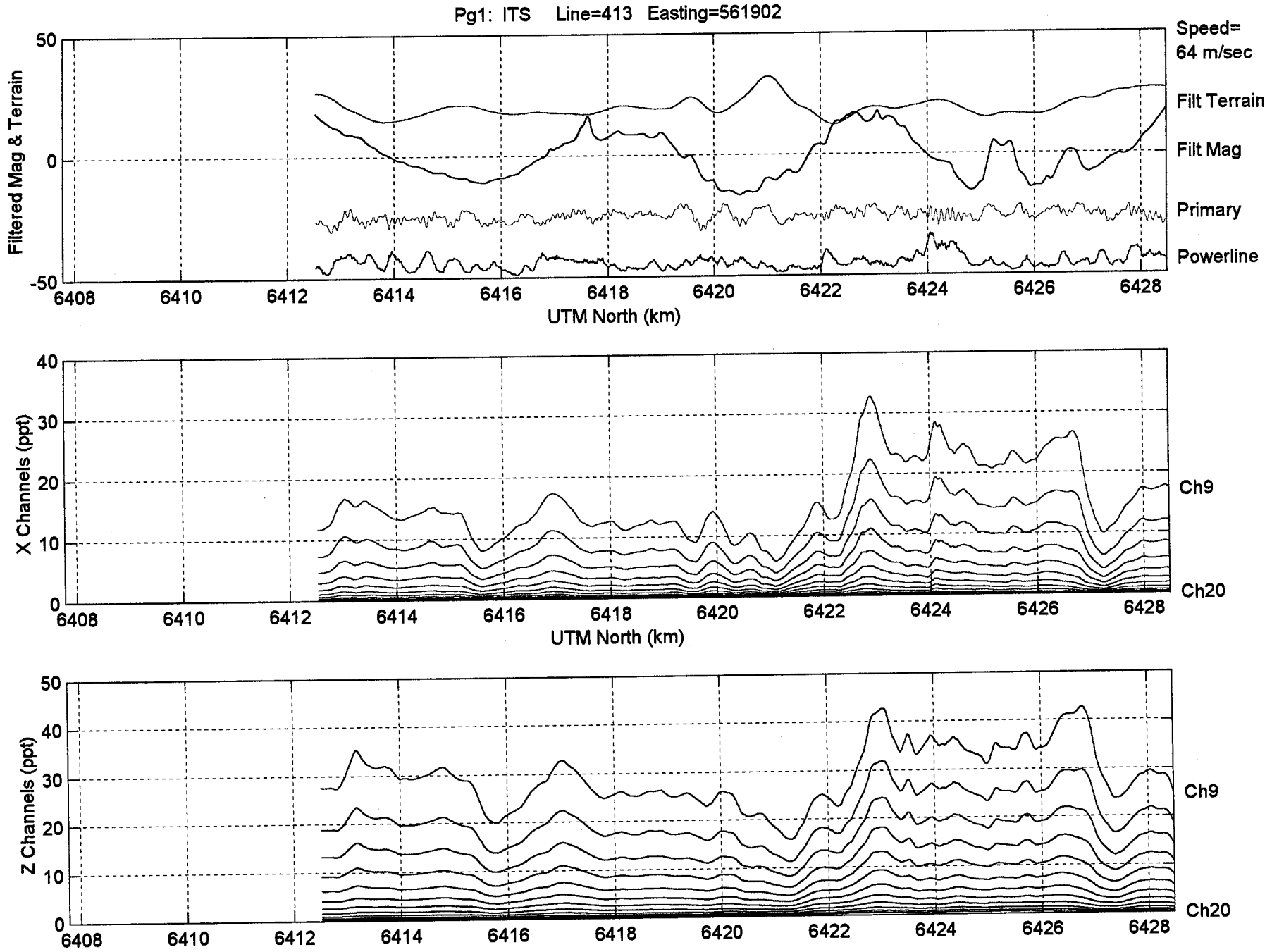

Pg1: ITS Line=408 Easting=560910
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
-61 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

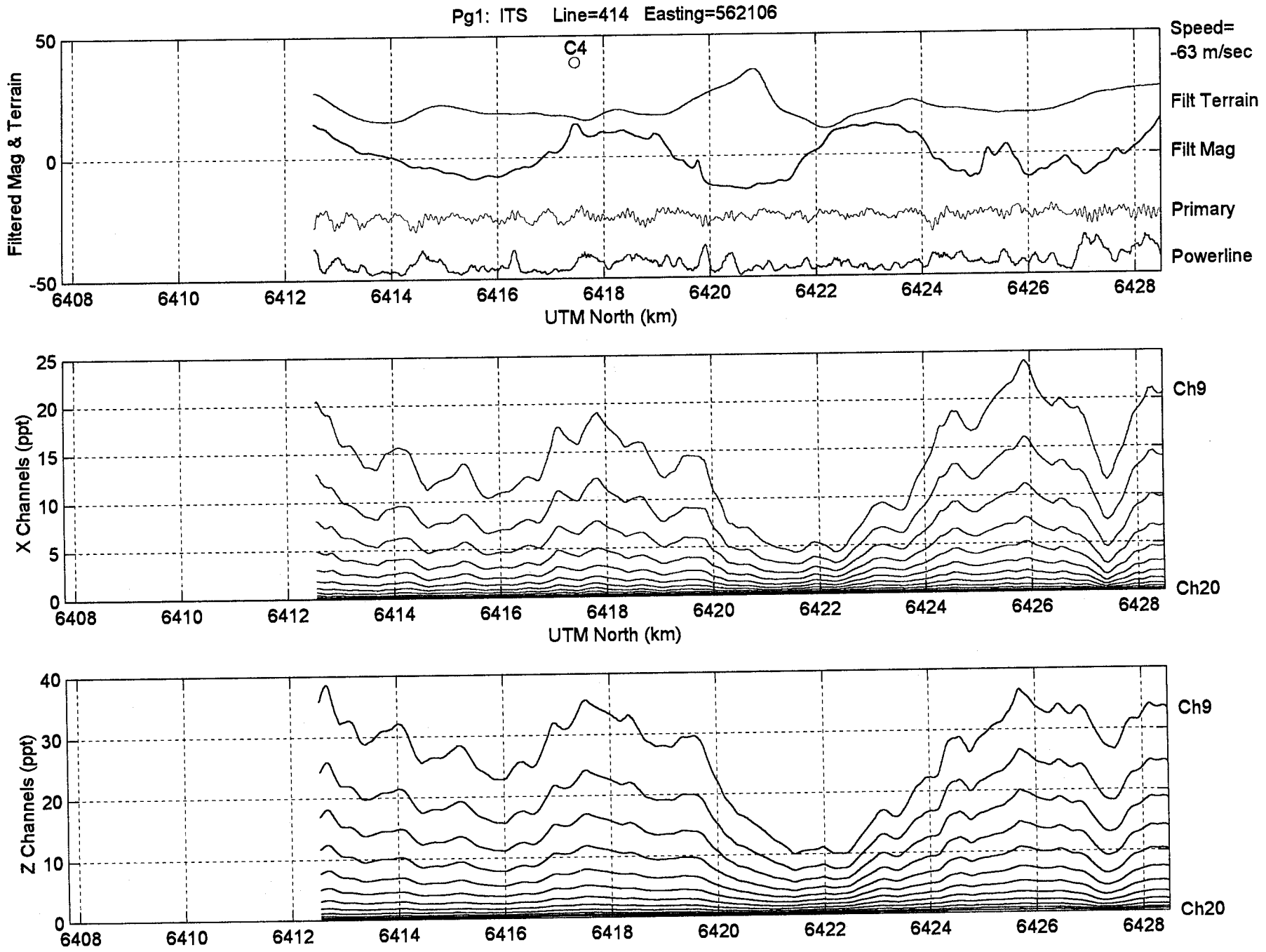

Pg1: ITS Line=409 Easting=561092
Filtered Mag & Terrain
50
0
-50
Speed=
65 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20

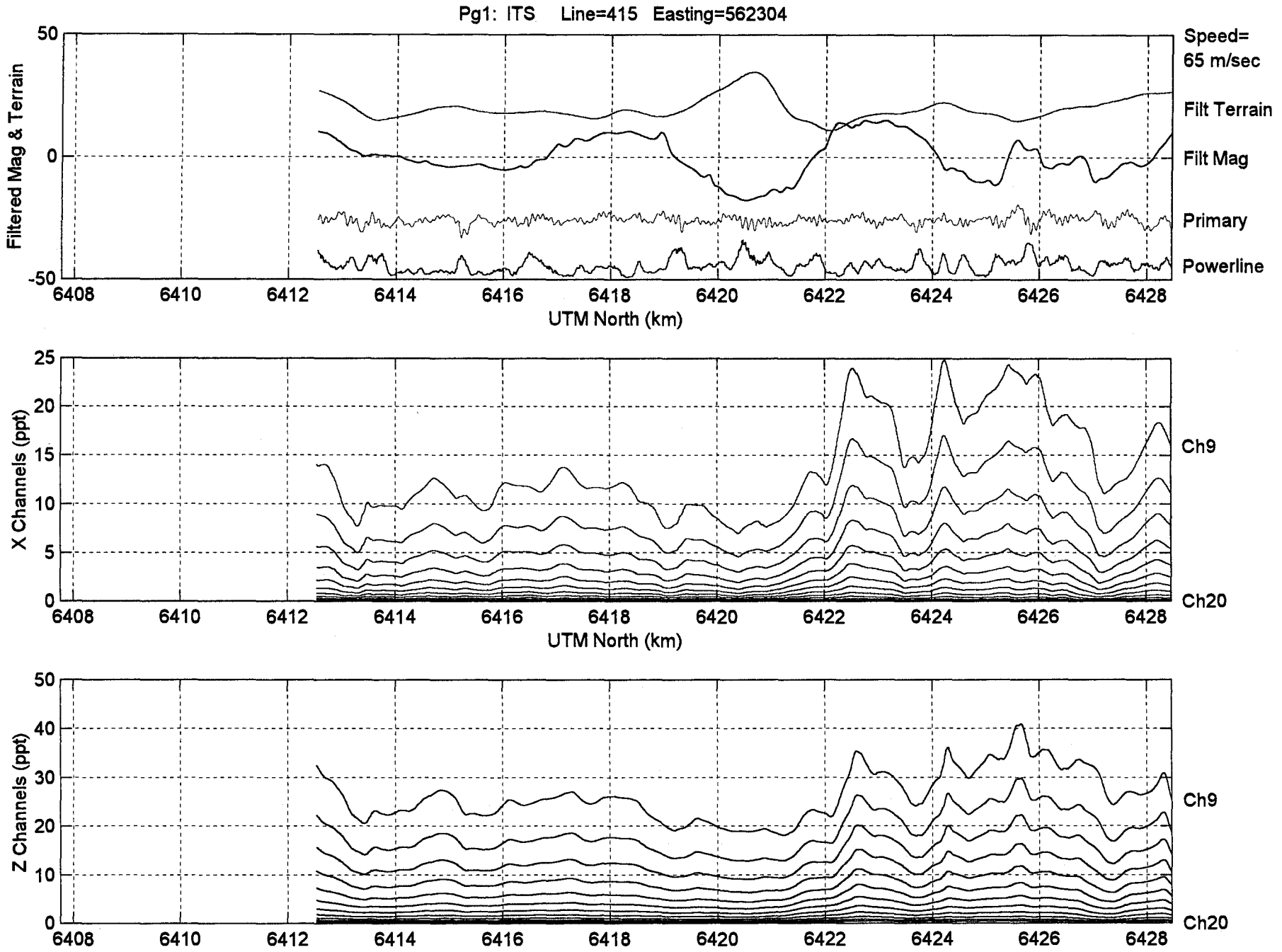

Pg1: ITS Line=410 Easting=561302
Speed=
-64 m/sec
A4
Filtered Mag & Terrain
50
0
-50
Filt Terrain
Filt Mag
Primary
Powerline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

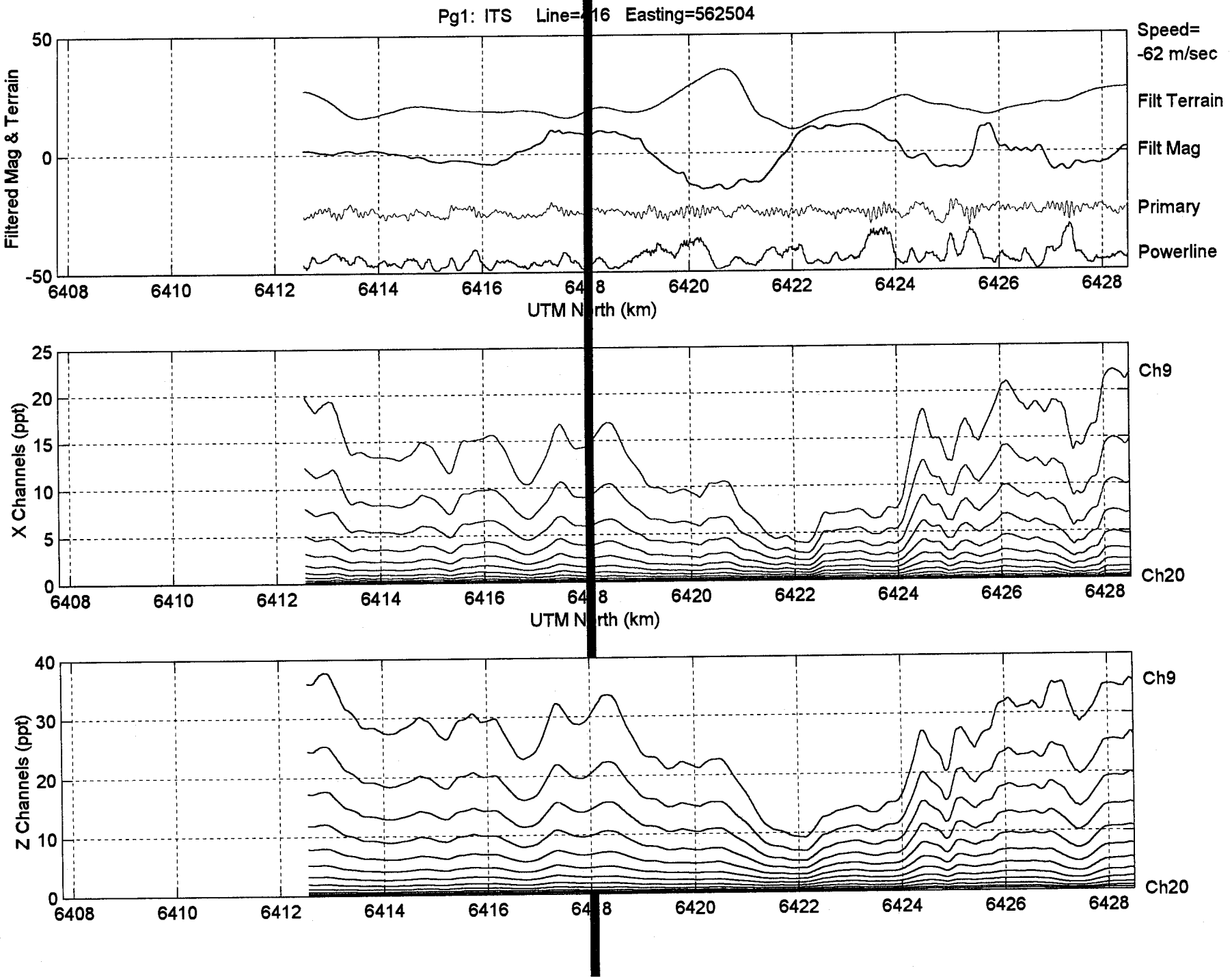

Pg1: ITS Line=411 Easting=561502
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
64 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)
60
50
40
30
20
10
0

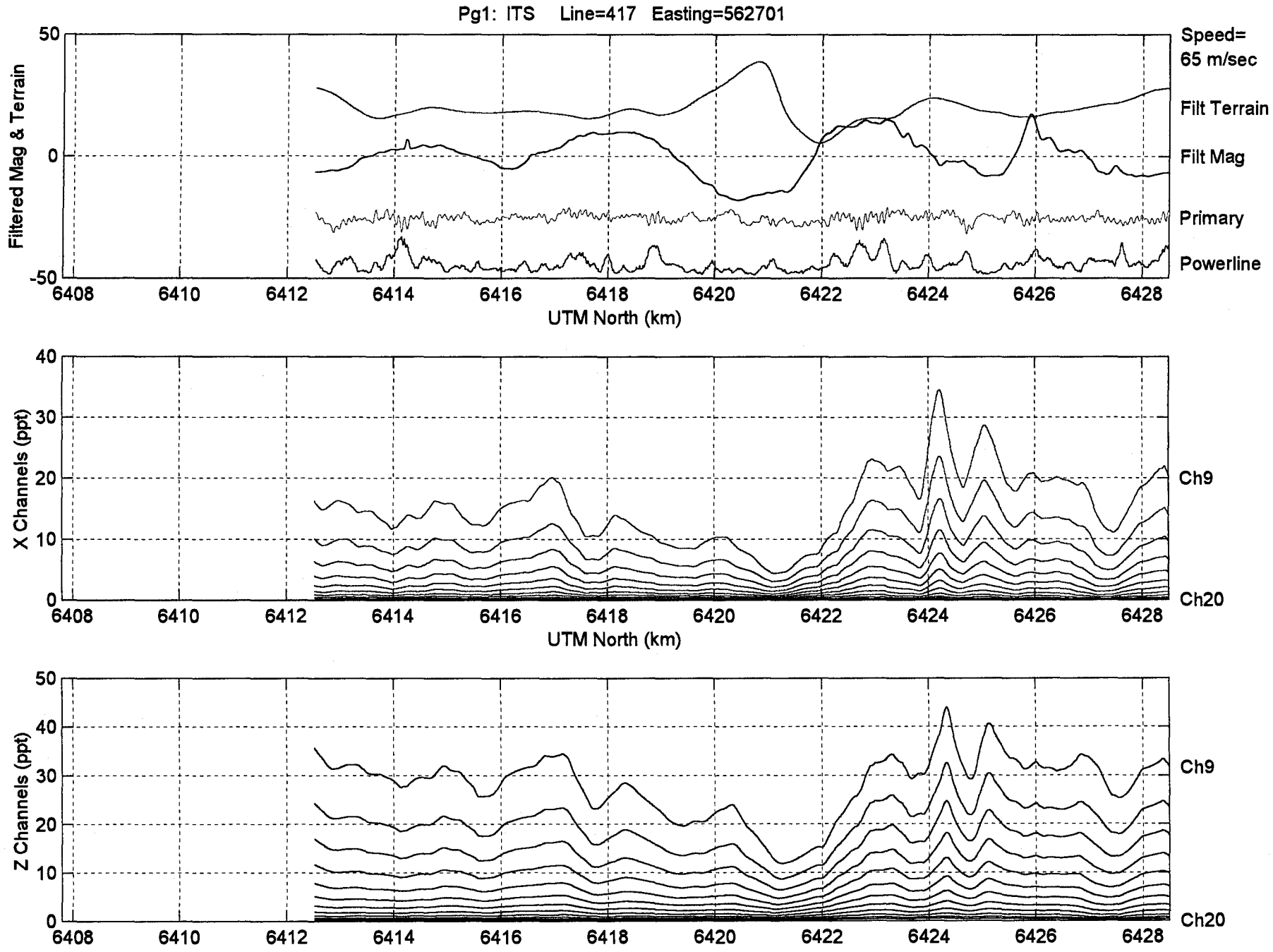

Pg1: ITS Line=412 Easting=561706
Filtered Mag & Terrain
50
0
-50
B4
Speed=
-64 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20

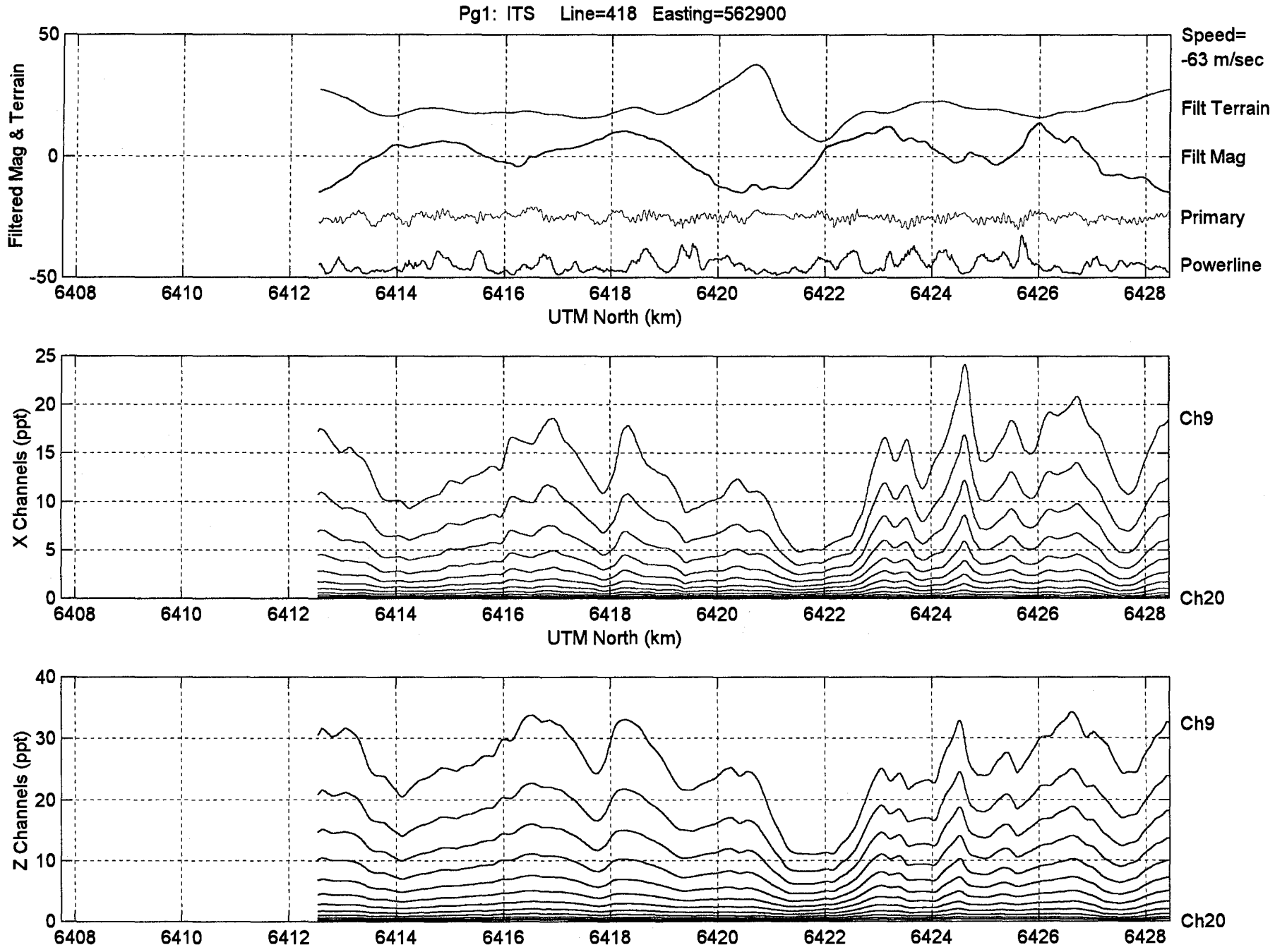

Pg1: ITS Line=413 Easting=561902
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
64 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)

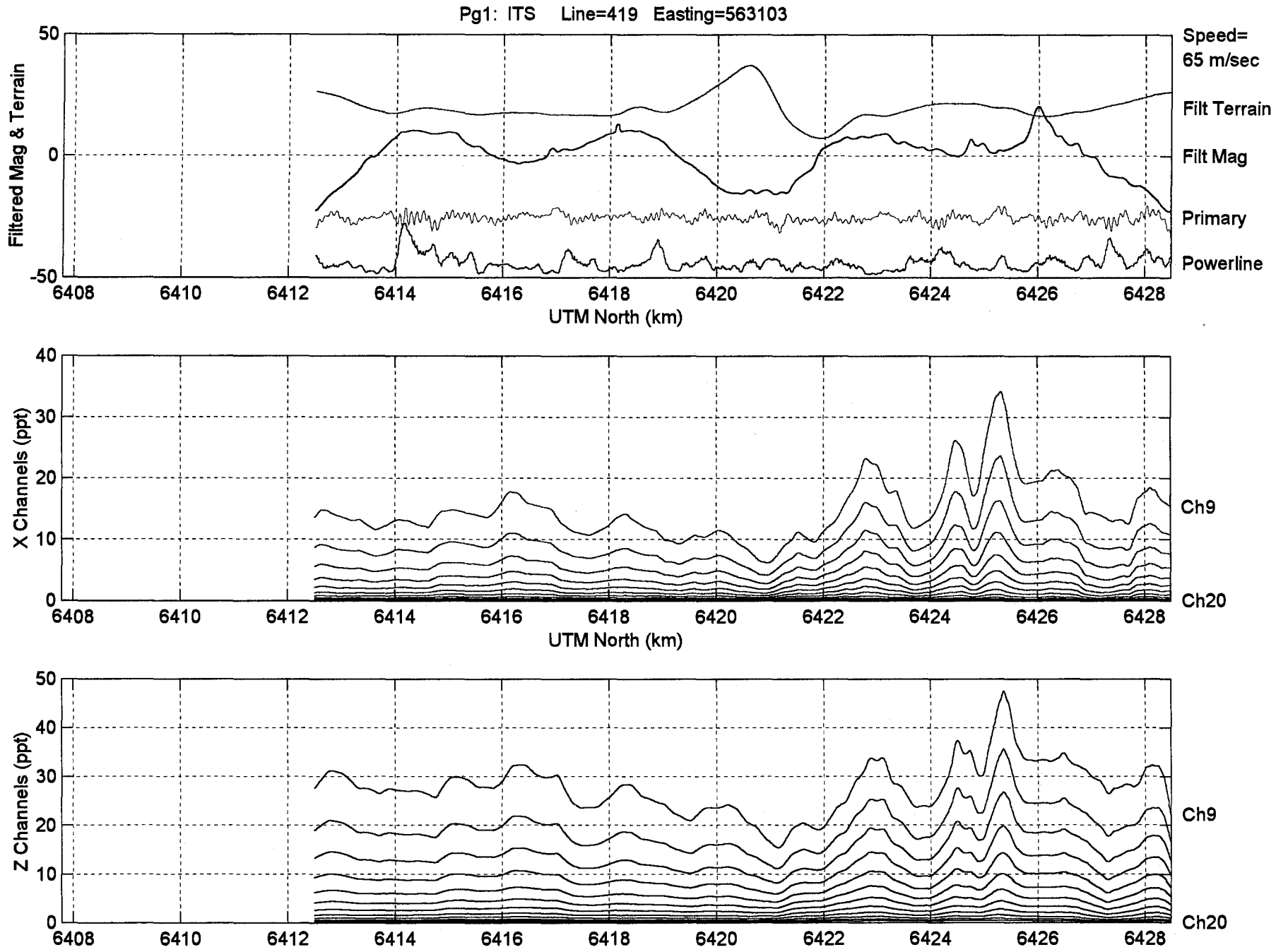

Pg1: ITS Line=414 Easting=562106
C4
Speed=
-63 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

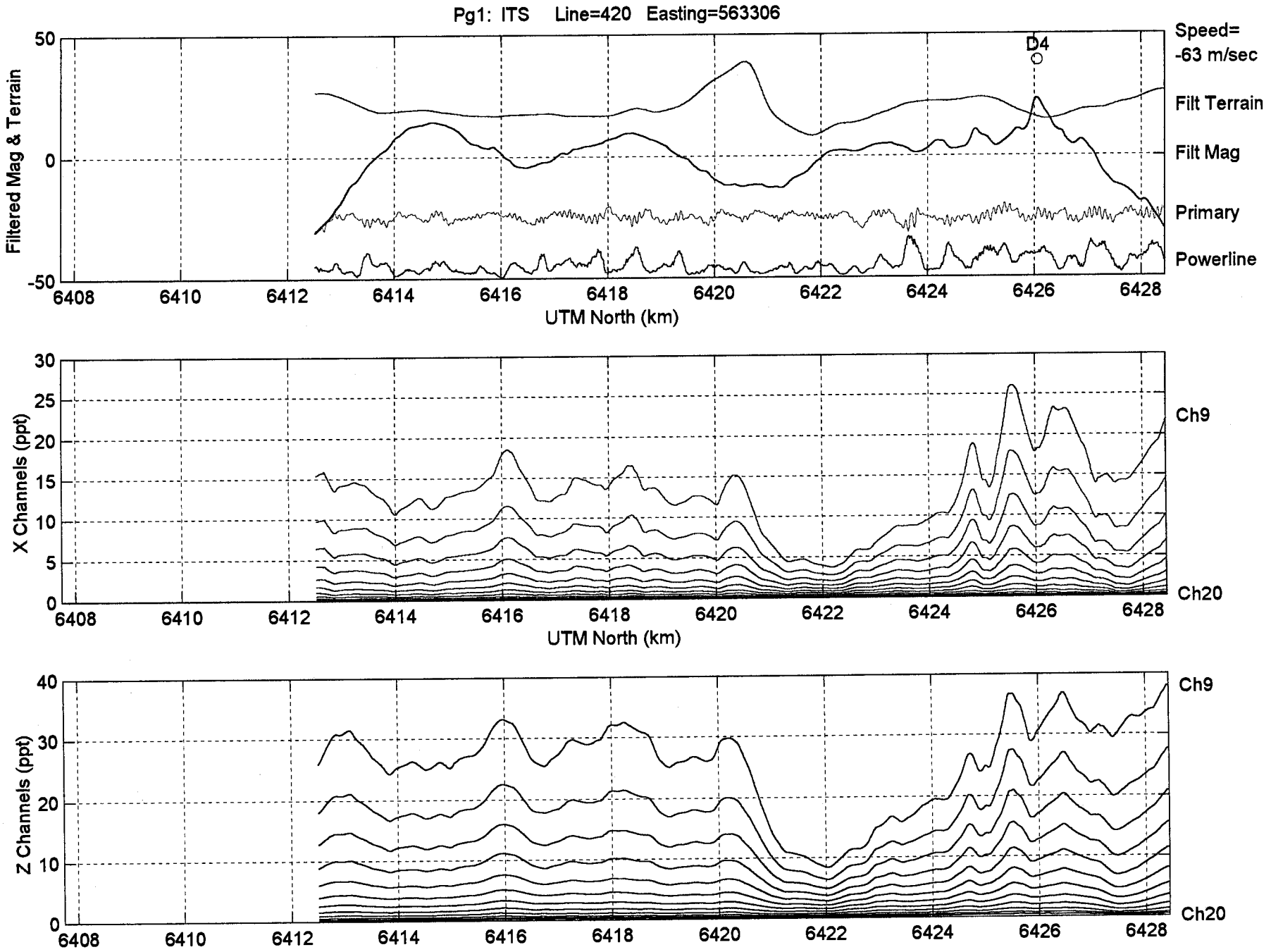

Pg1: ITS Line=415 Easting=562304
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
65 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
50
40
30
20
10
0

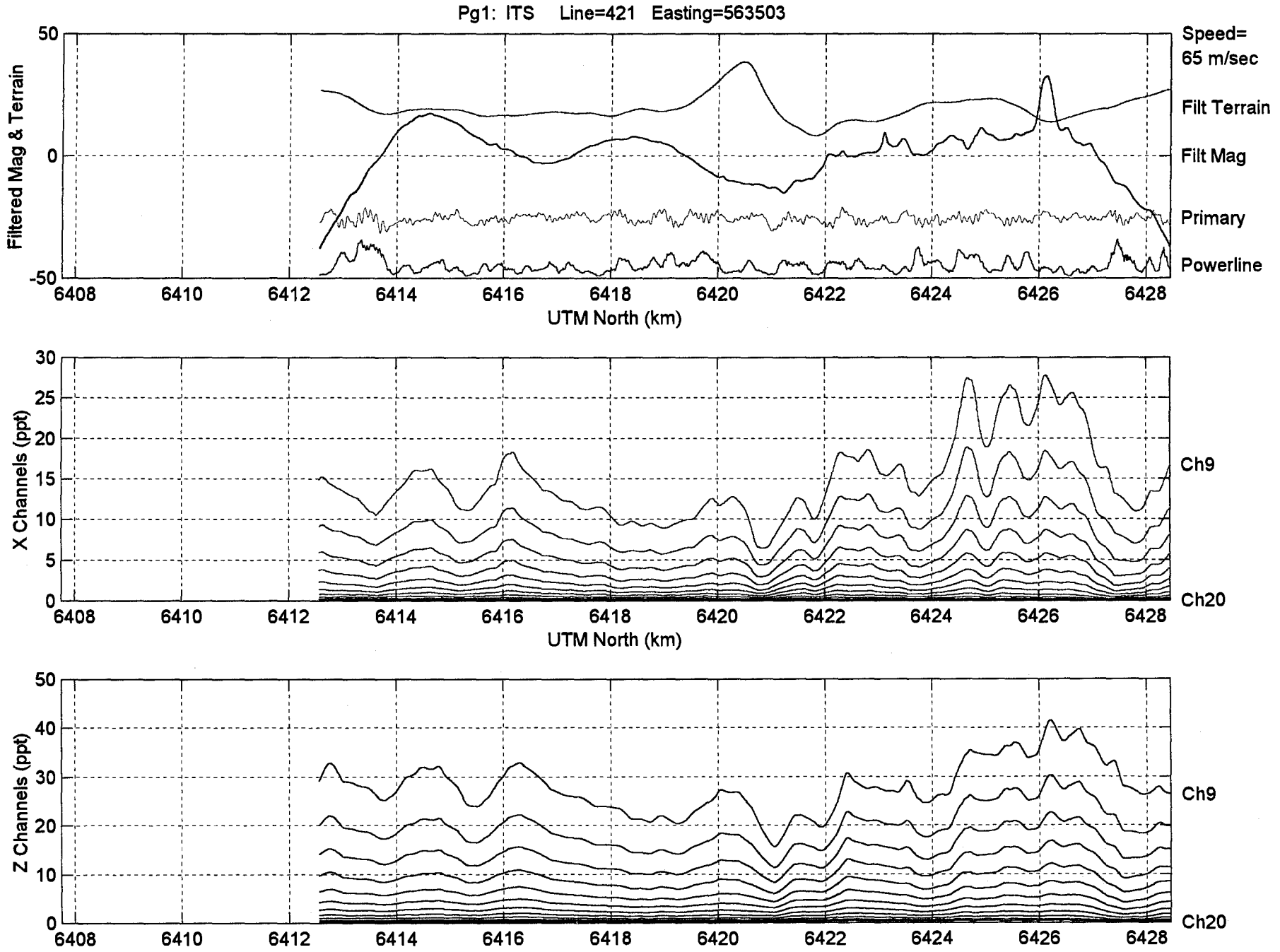

Pg1: ITS Line=416 Easting=562504
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
-62 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0

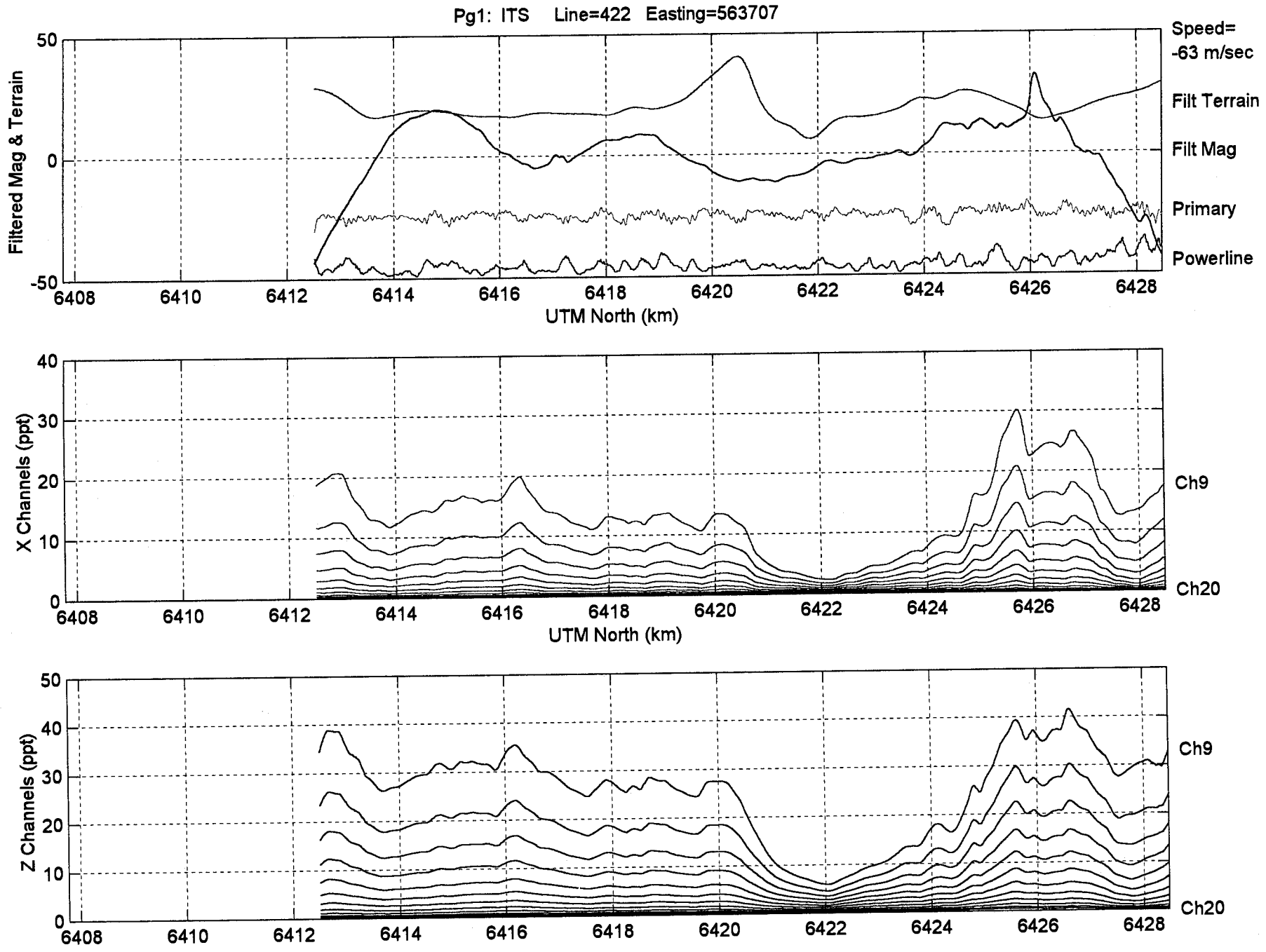

Pg1: ITS Line=417 Easting=562701
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
65 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)

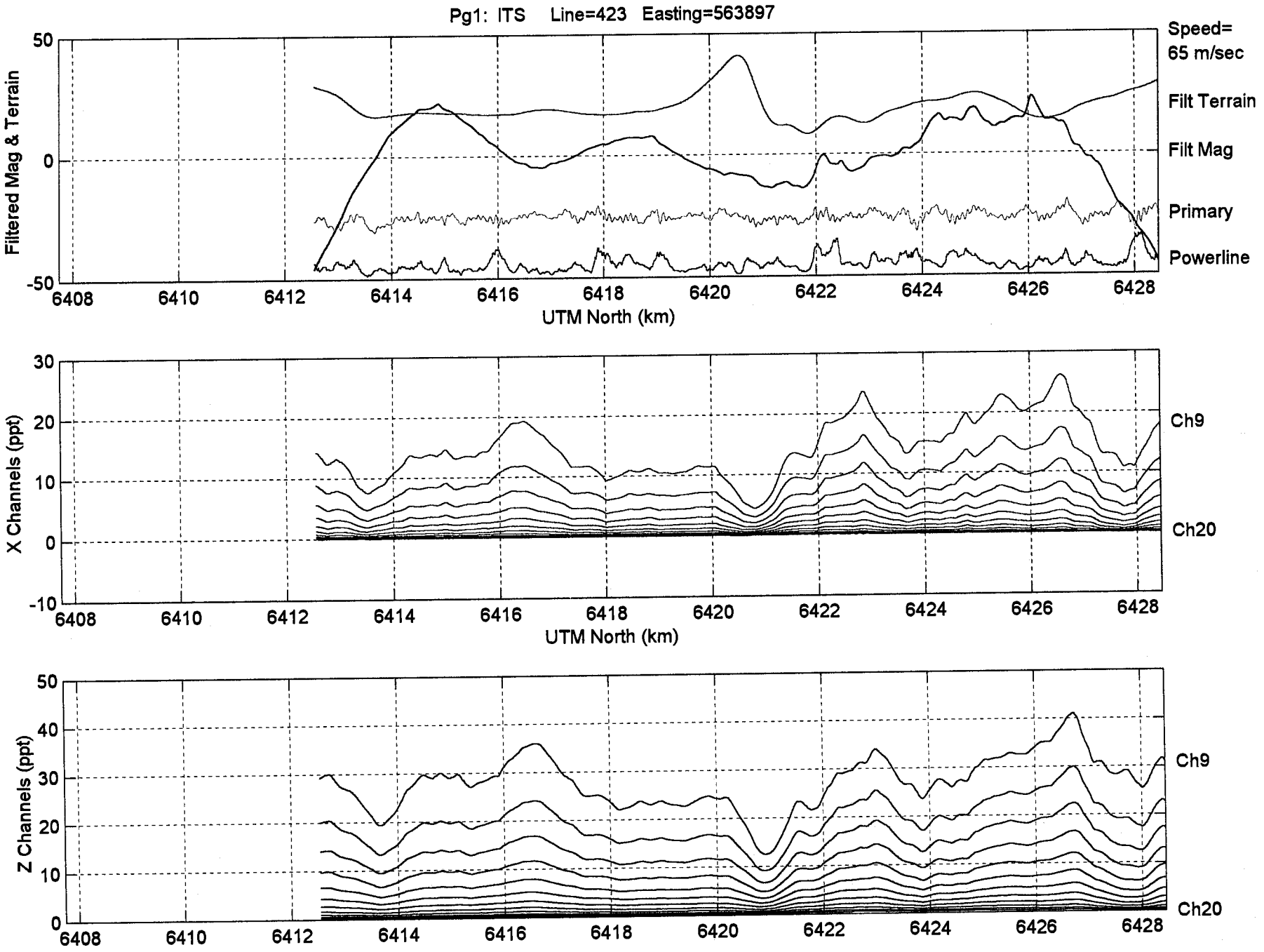

Pg1: ITS Line=418 Easting=562900
Filtered Mag & Terrain
50
0
-50
Speed=
-63 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

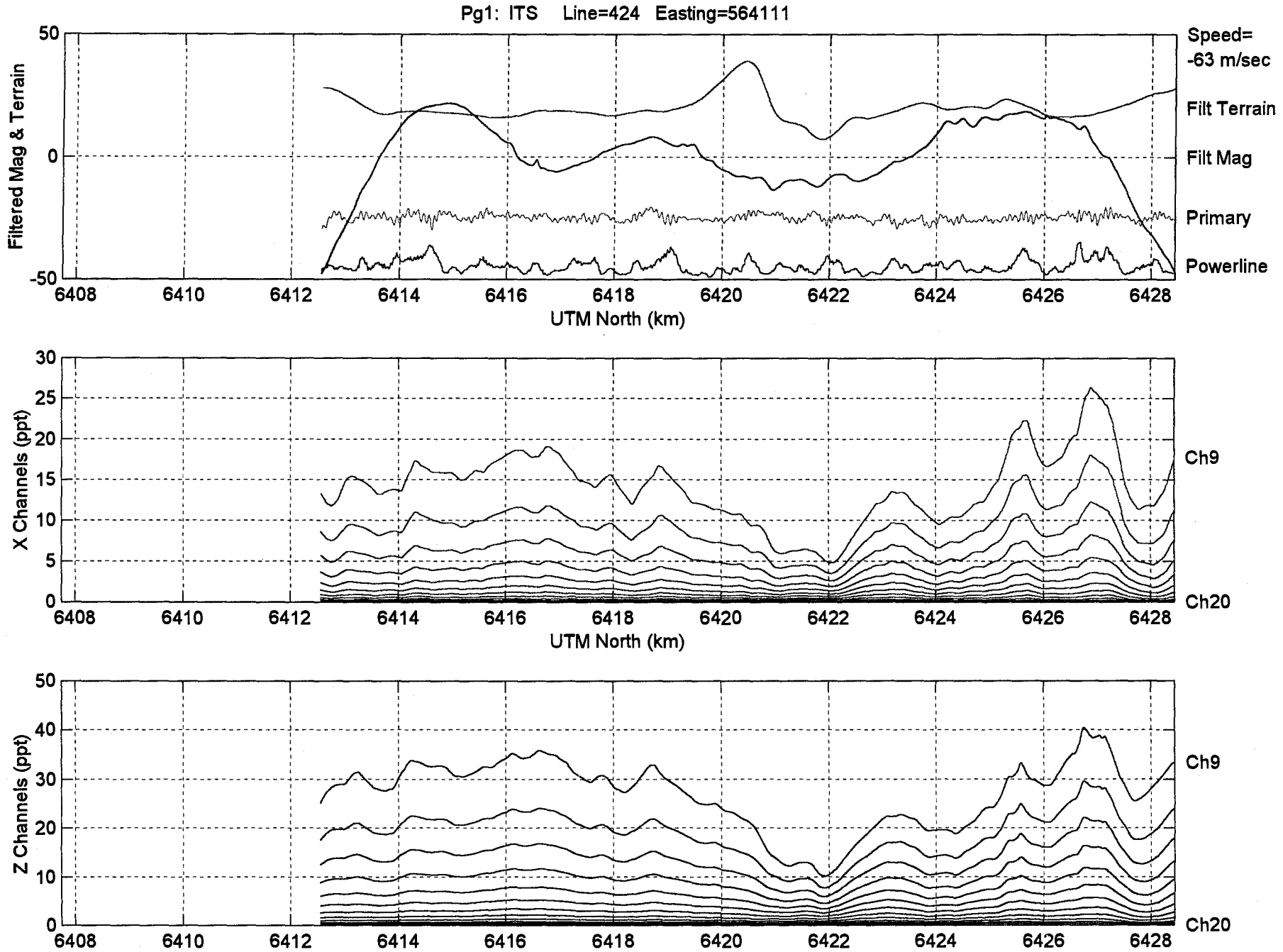

Pg1: ITS Line=419 Easting=563103
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
65 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)

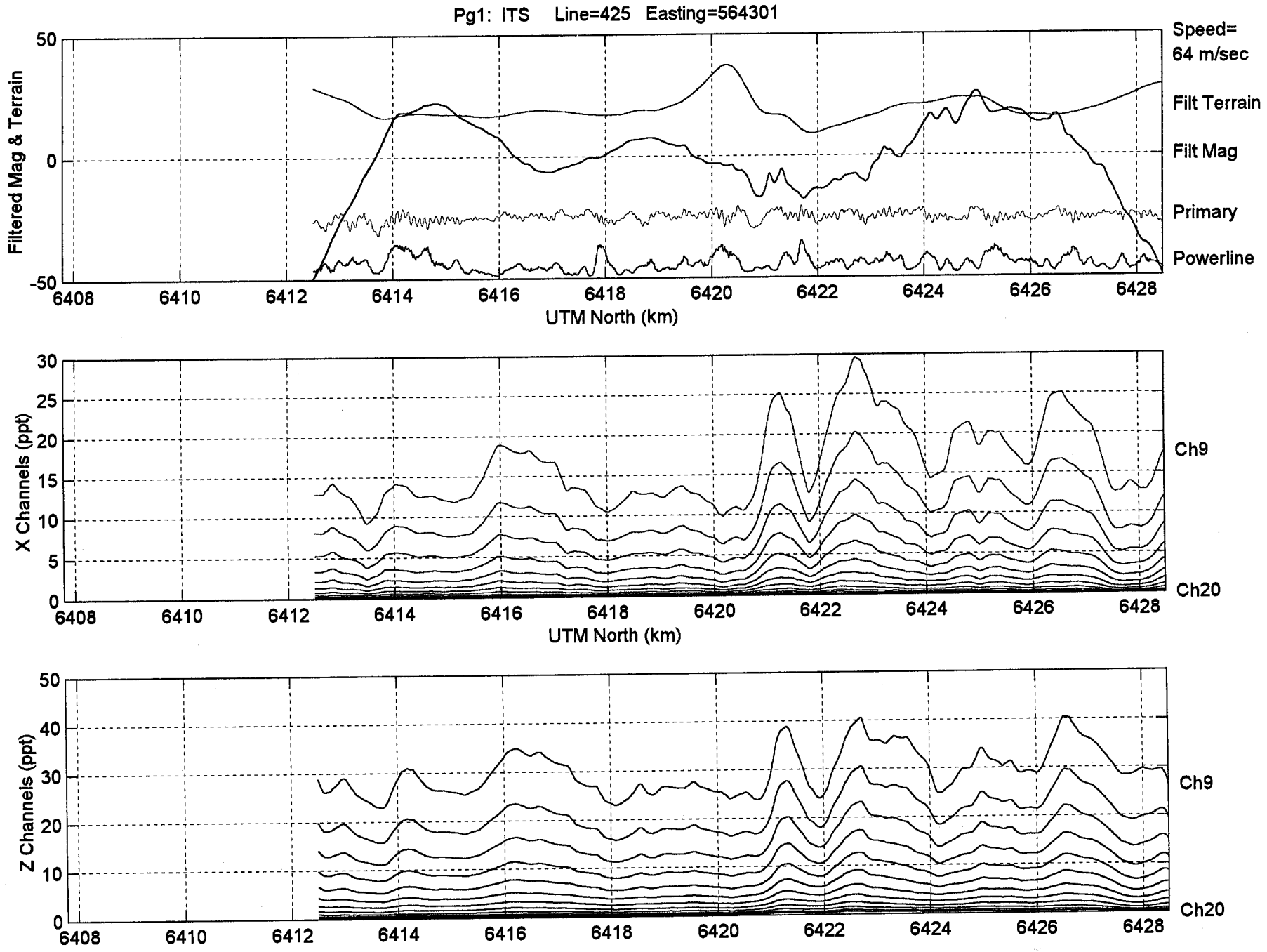

Pg1: ITS Line=420 Easting=563306
Filtered Mag & Terrain
50
0
-50
D4
Speed=
-63 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

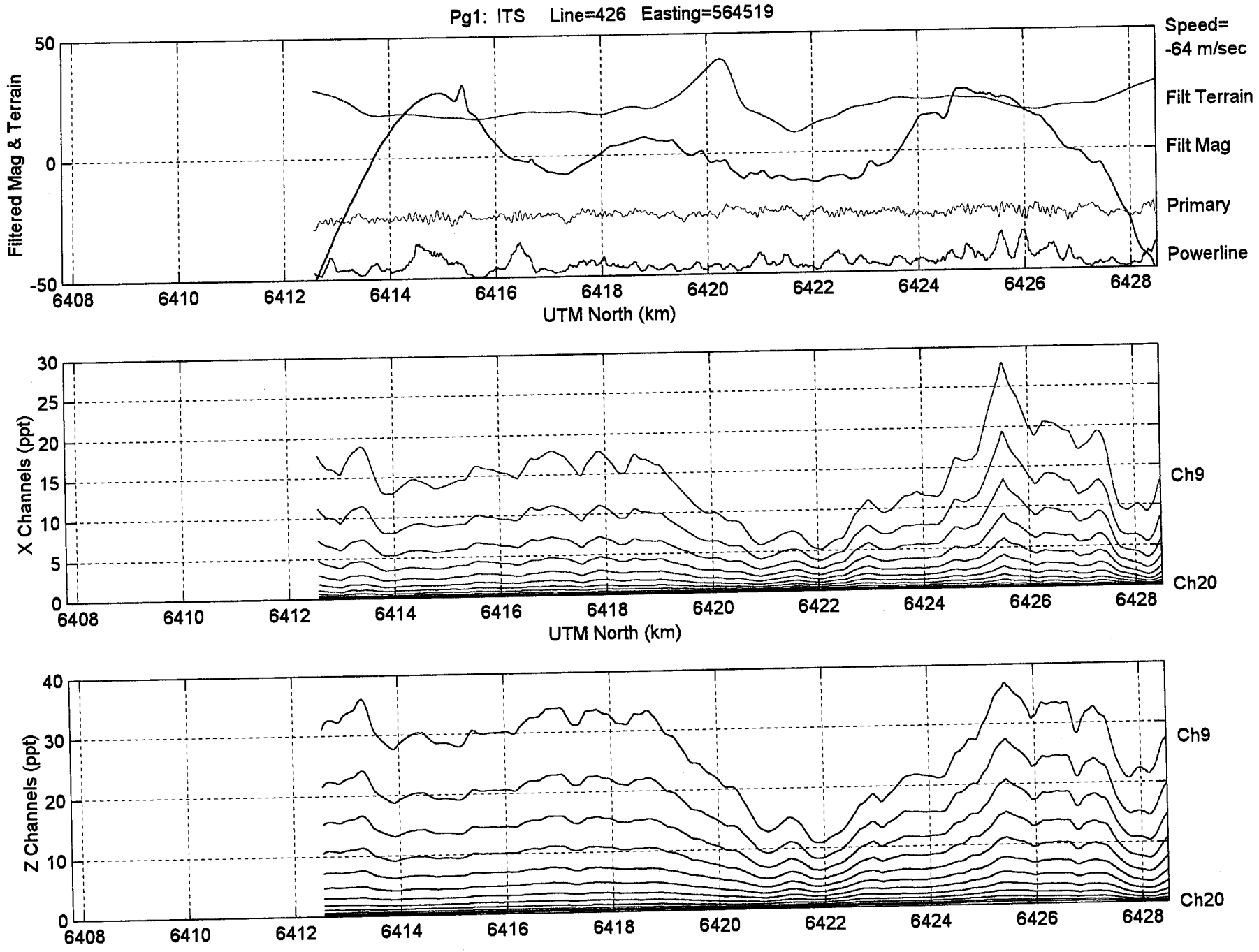

Pg1: ITS Line=421 Easting=563503
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
65 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
40

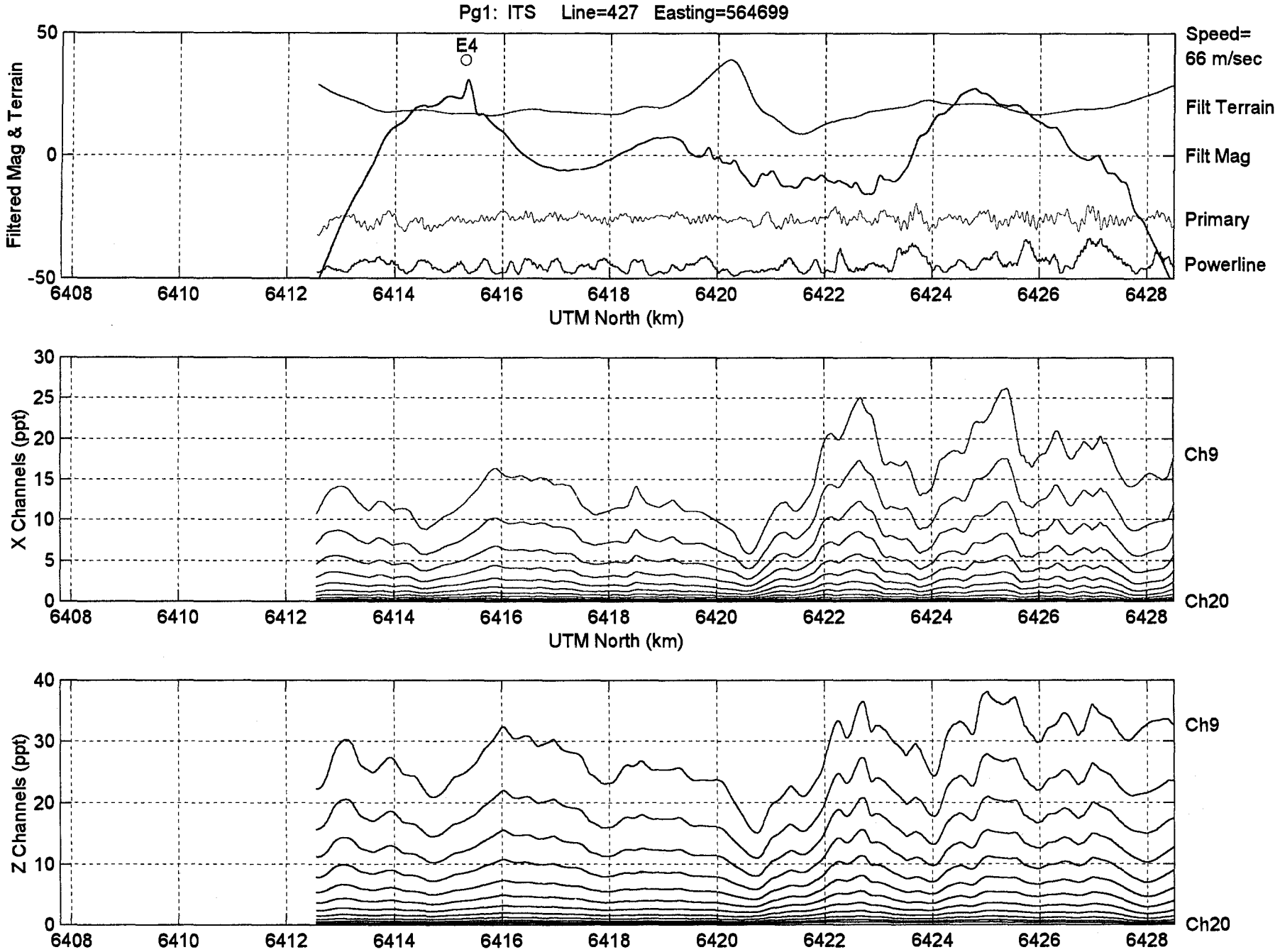

Pg1: ITS Line=422 Easting=563707
Speed=
-63 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20

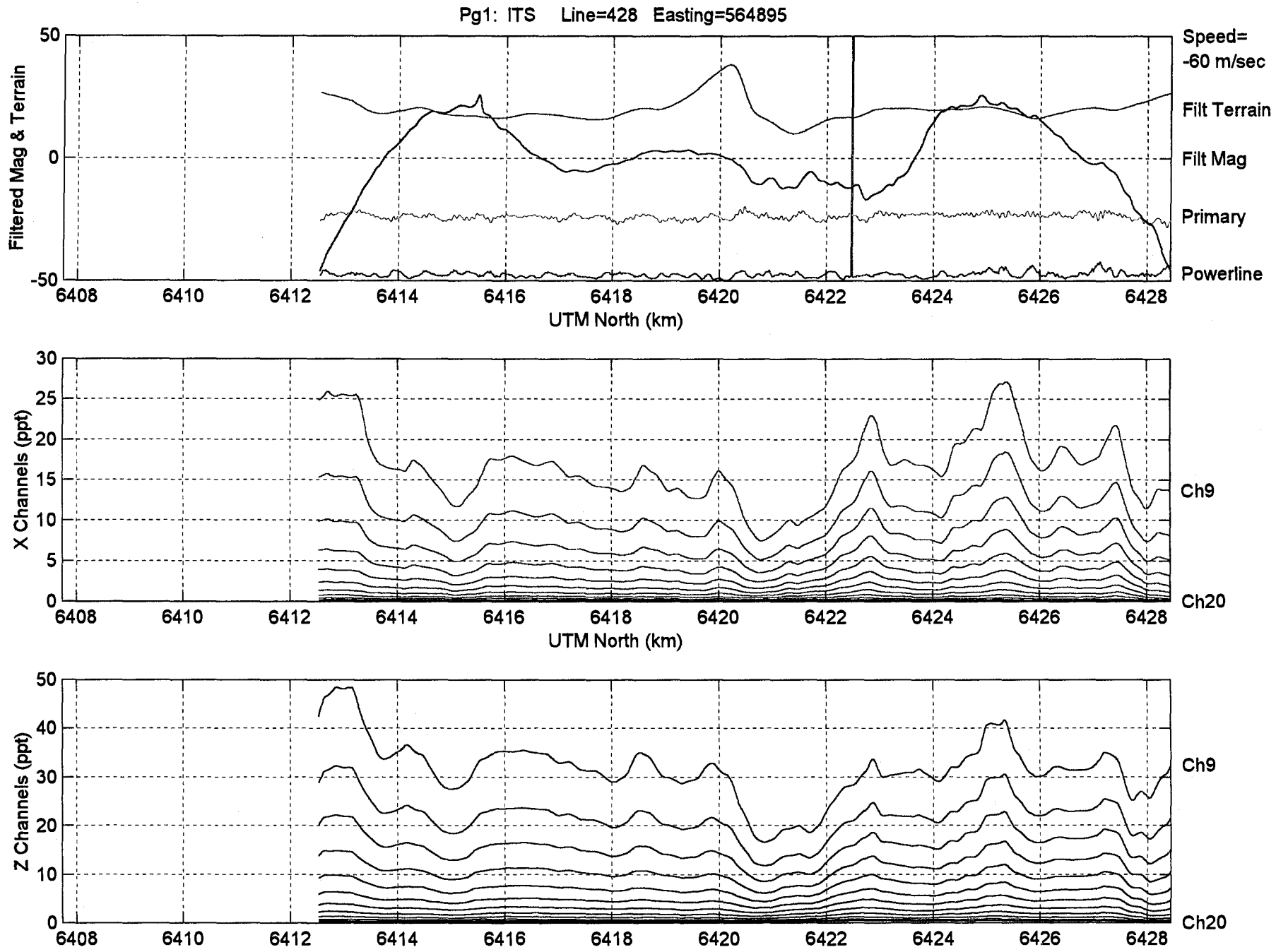

Pg1: ITS Line=423 Easting=563897
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
65 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
20
10
0
-10
Ch9
Ch20
Z Channels (ppt)
50
40
30
20
10
0

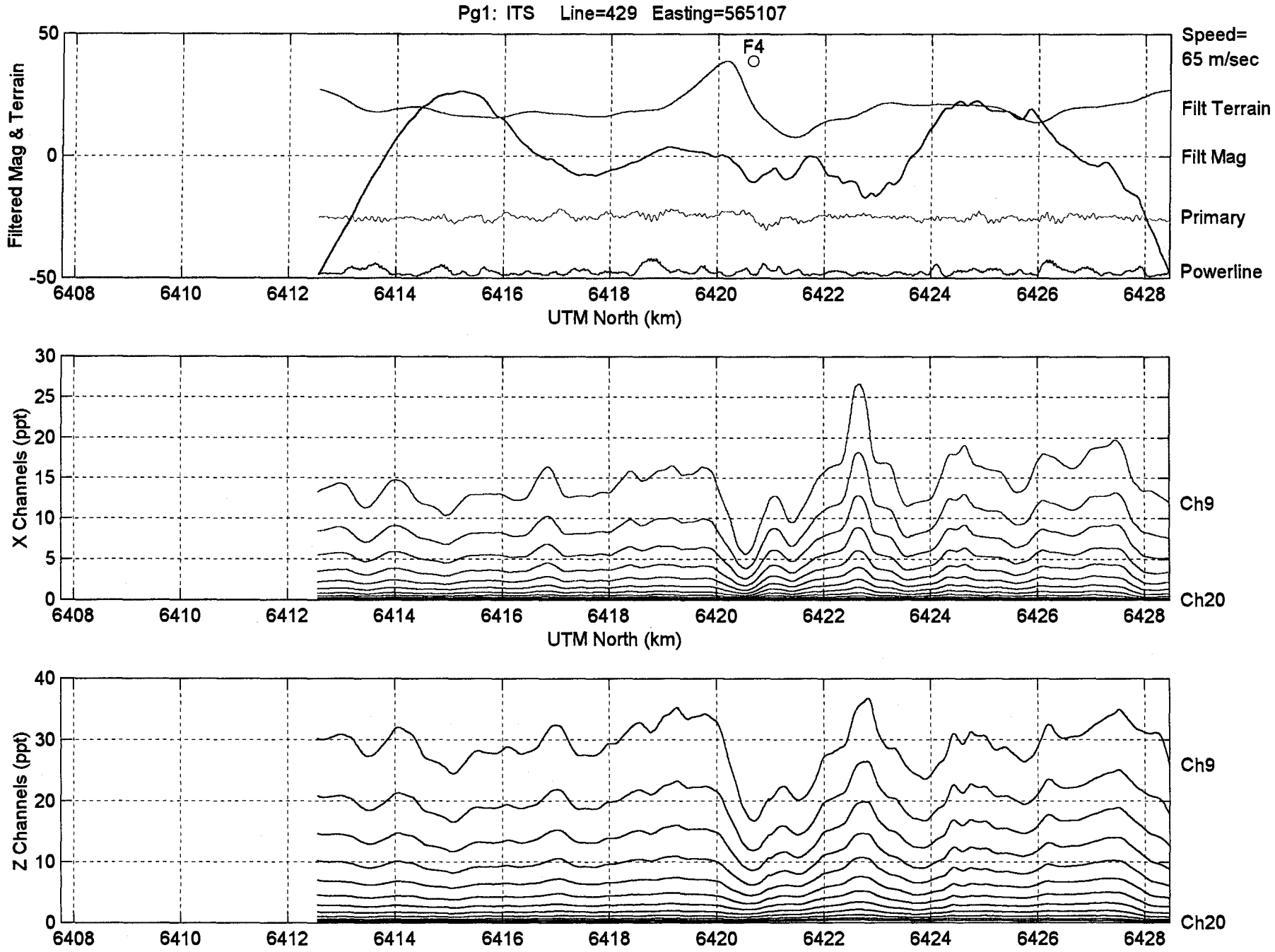

Pg1: ITS Line=424 Easting=564111
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
-63 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
40

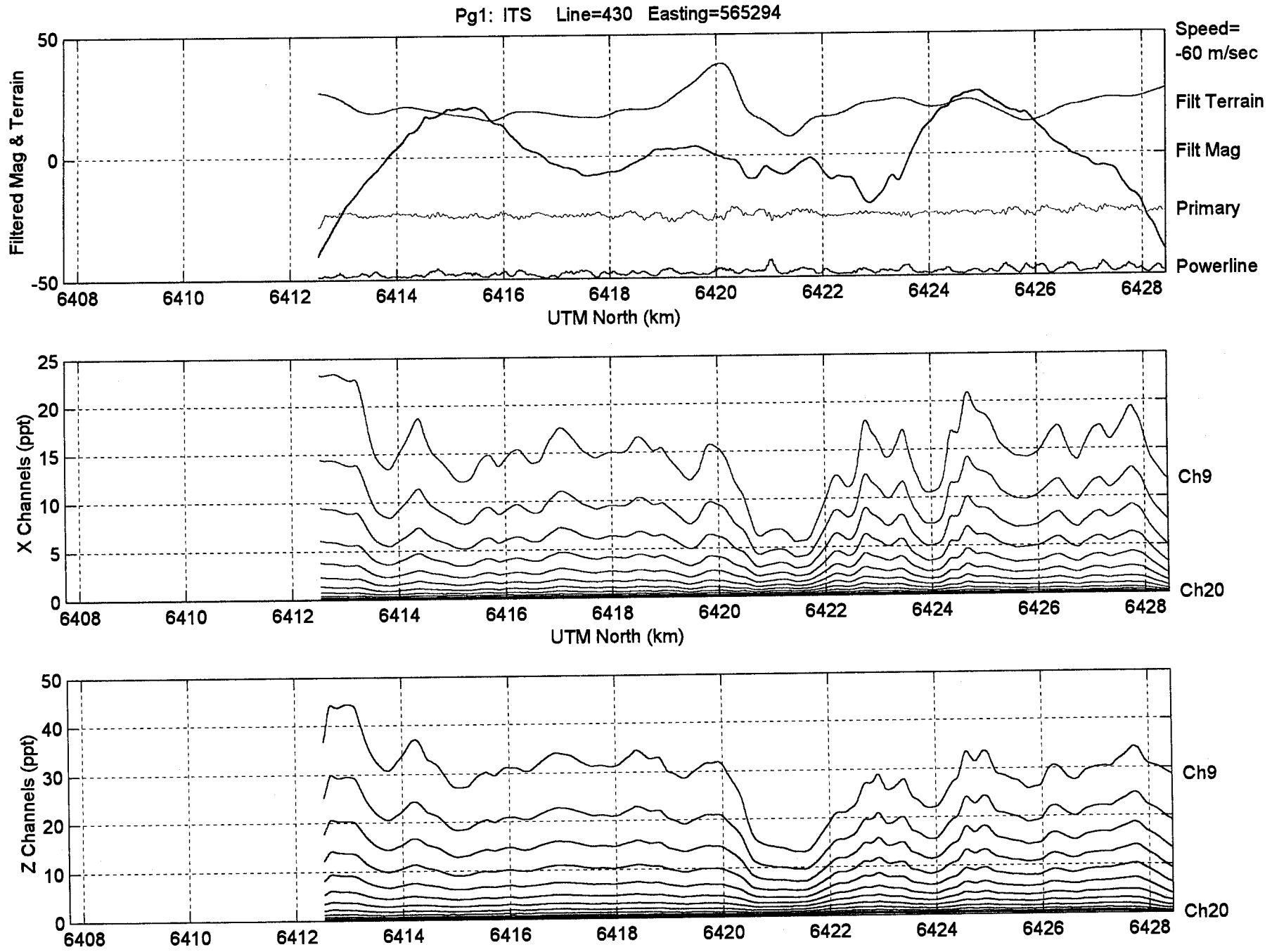

Pg1: ITS Line=425 Easting=564301
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
64 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20

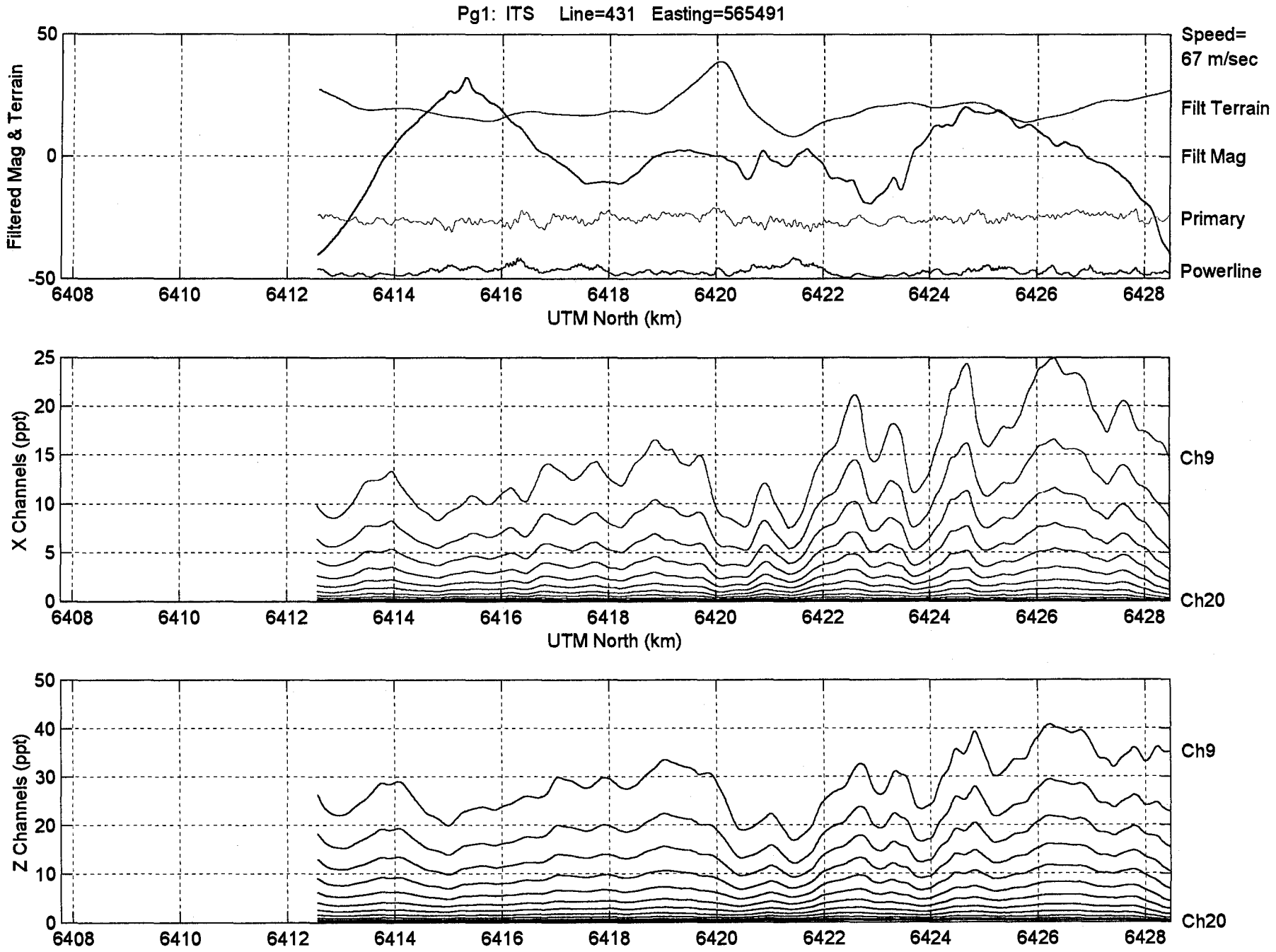

Pg1: ITS Line=426 Easting=564519
Speed=
-64 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

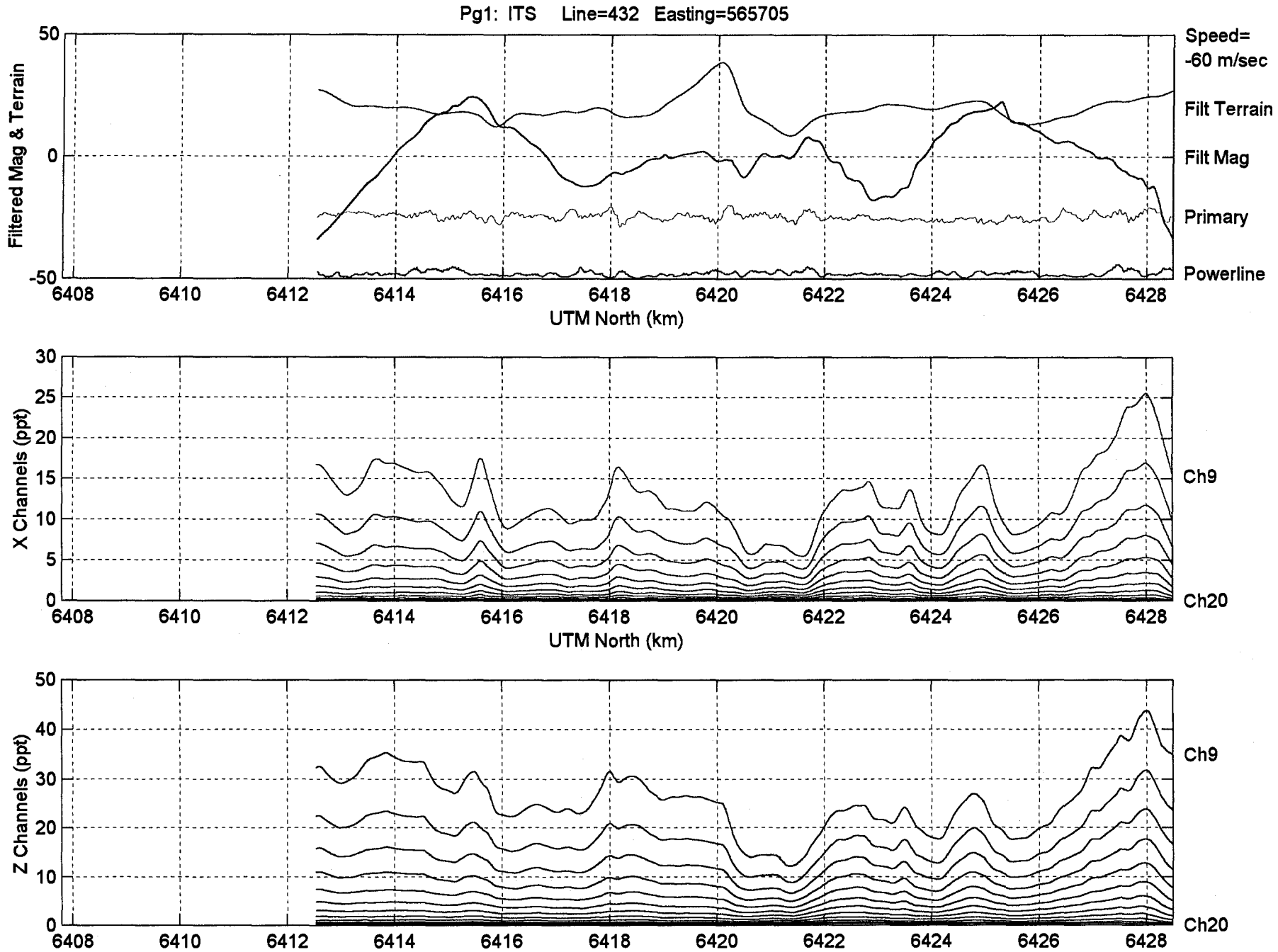

Pg1: ITS Line=427 Easting=564699
E4
Filtered Mag & Terrain
50
0
-50
Speed=
66 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

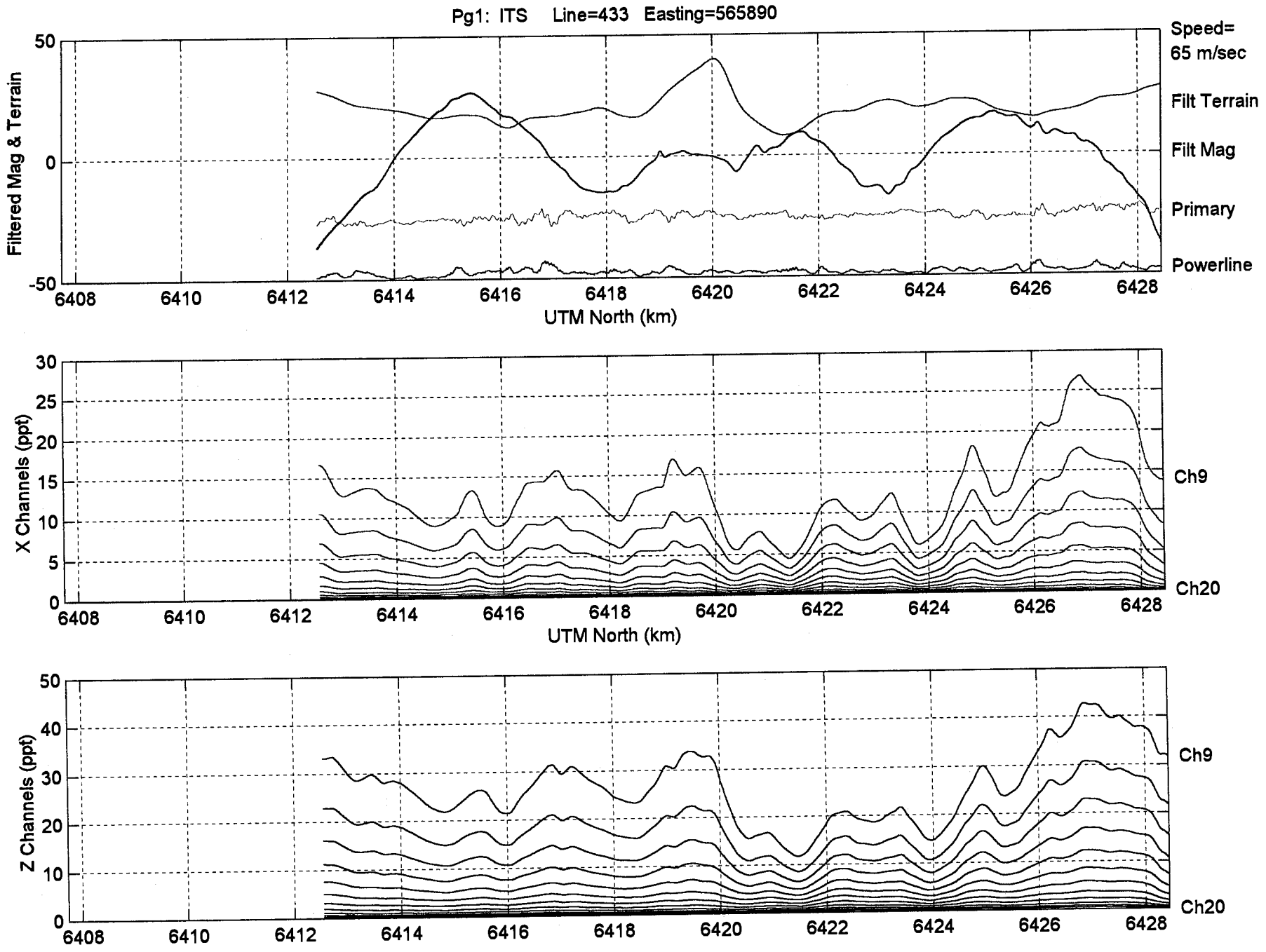

Pg1: ITS Line=428 Easting=564895
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
-60 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
40

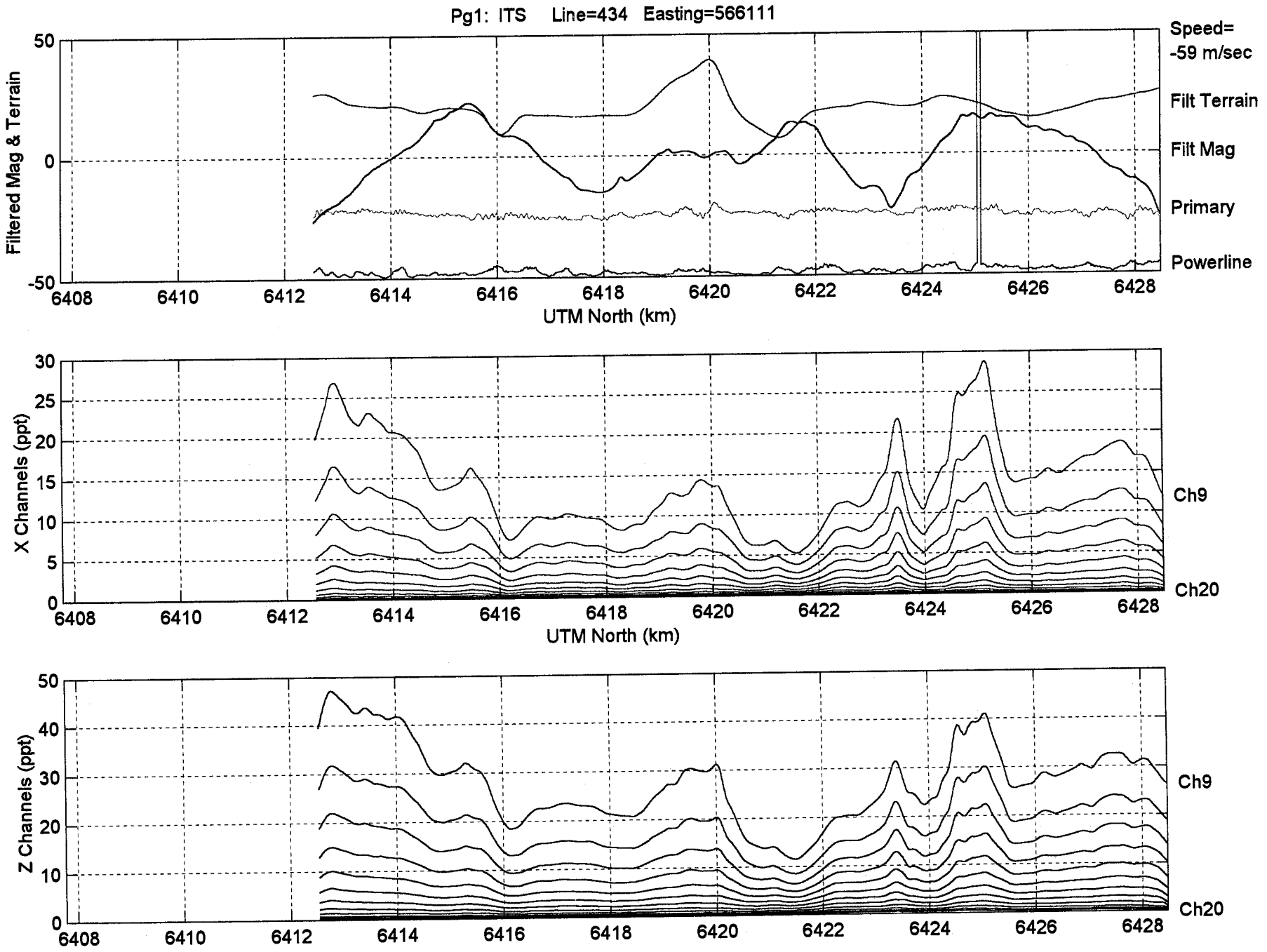

Pg1: ITS Line=429 Easting=565107
Filtered Mag & Terrain
50
0
-50
F4
Speed=
65 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

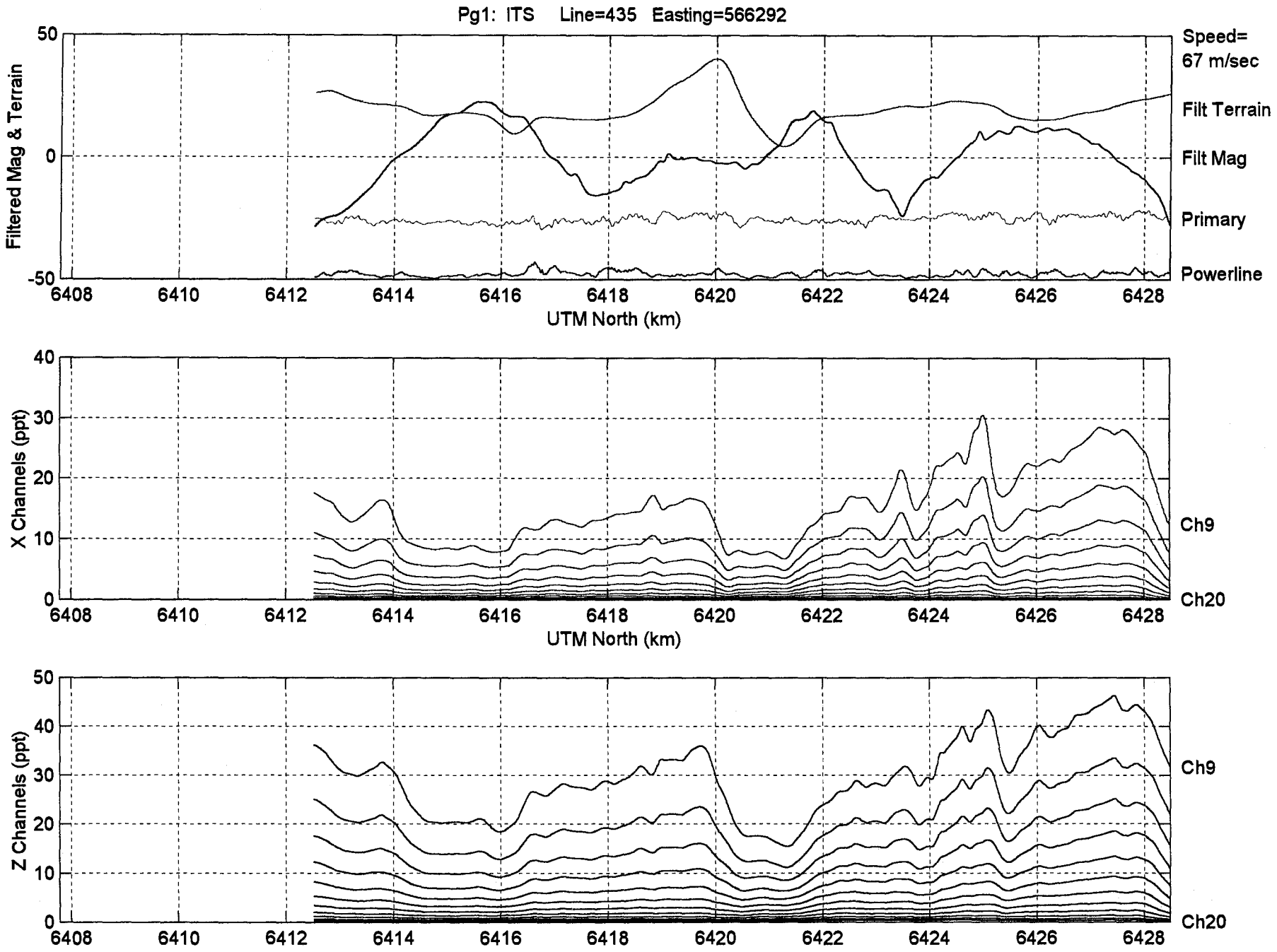

Pg1: ITS Line=430 Easting=565294
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
-60 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
50
40
30
20
10
0

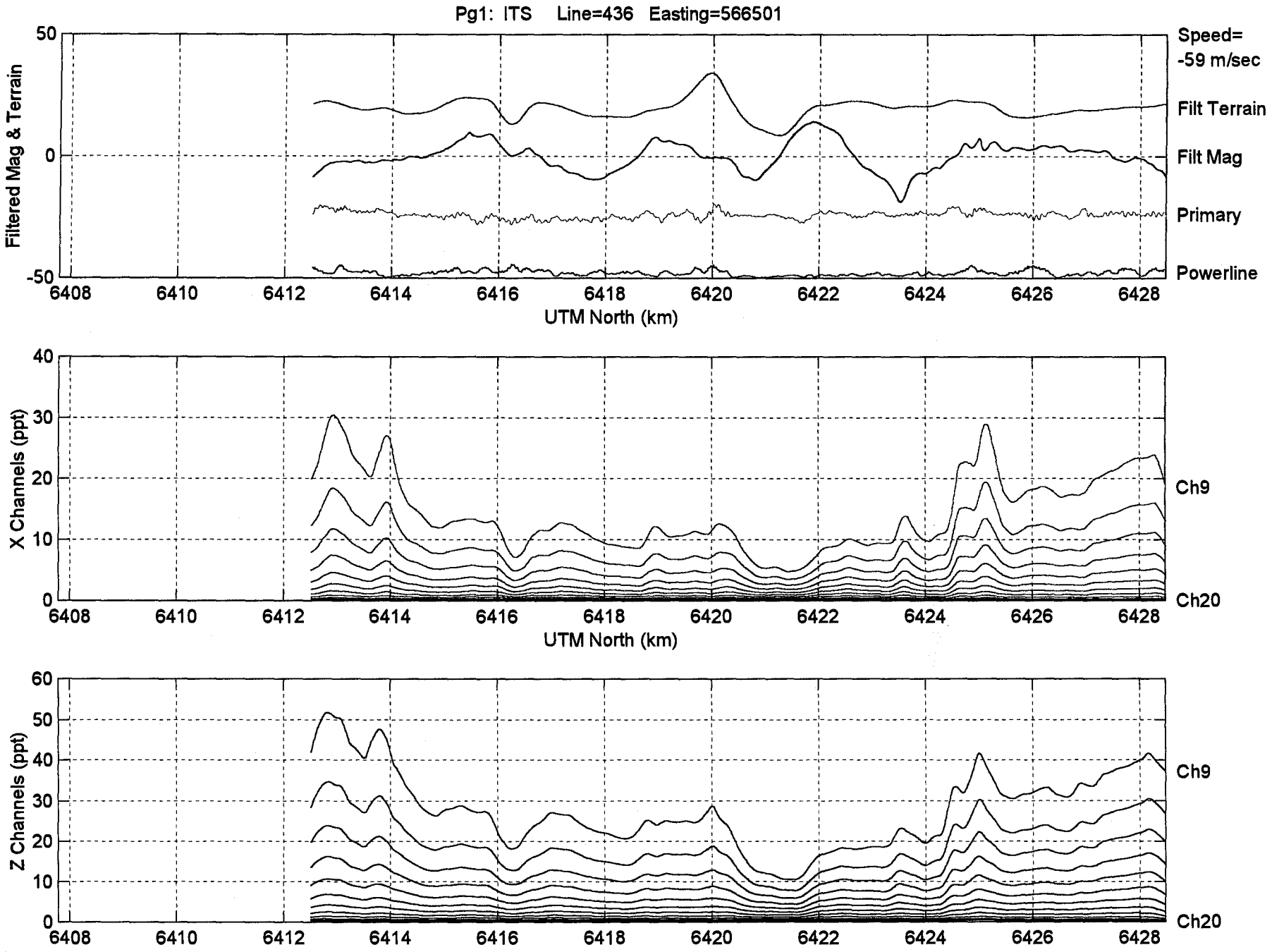

Pg1: ITS Line=431 Easting=565491
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
67 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
50
40
30
20
10
0

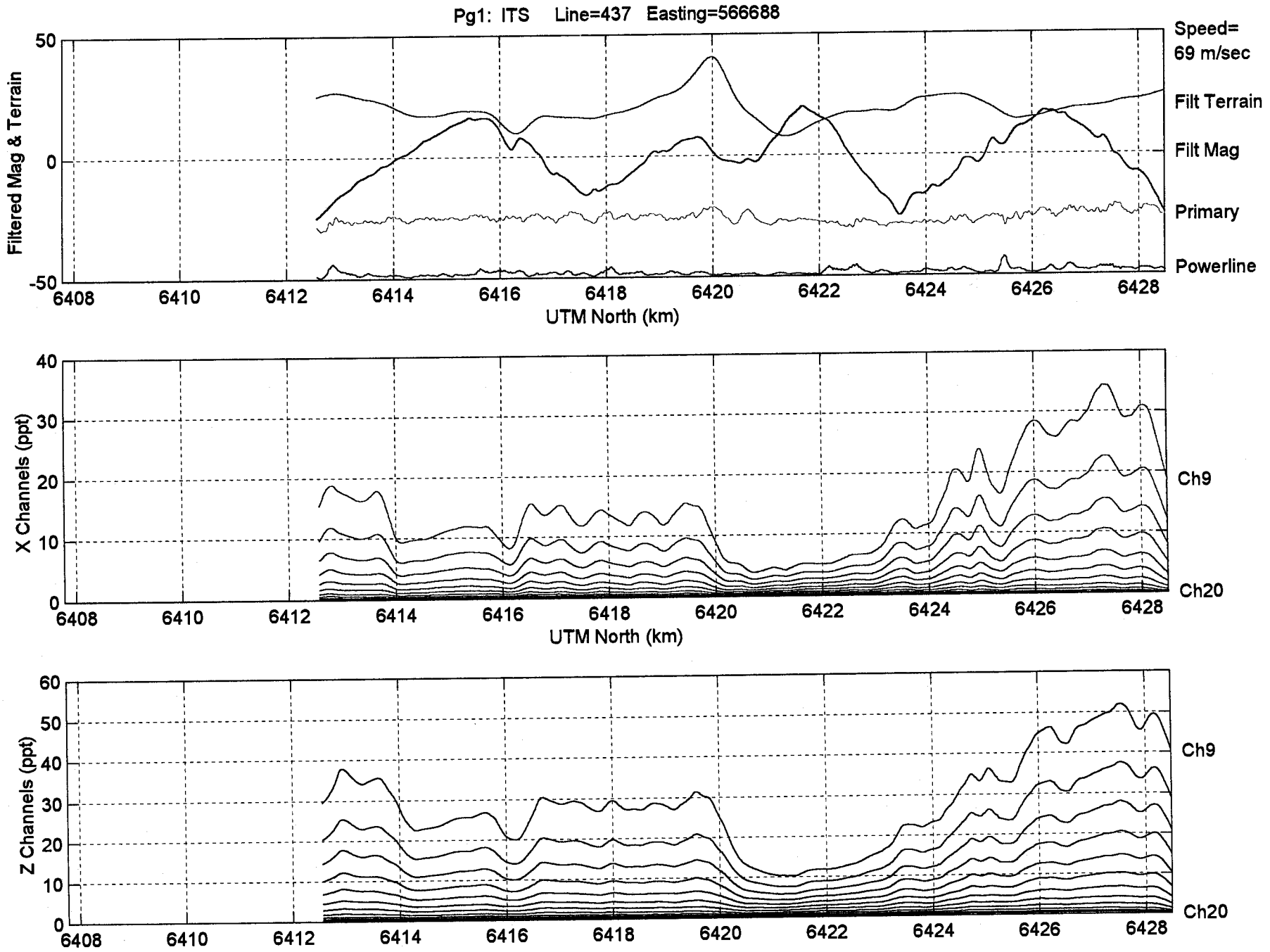

Pg1: ITS Line=432 Easting=565705
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
-60 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
40

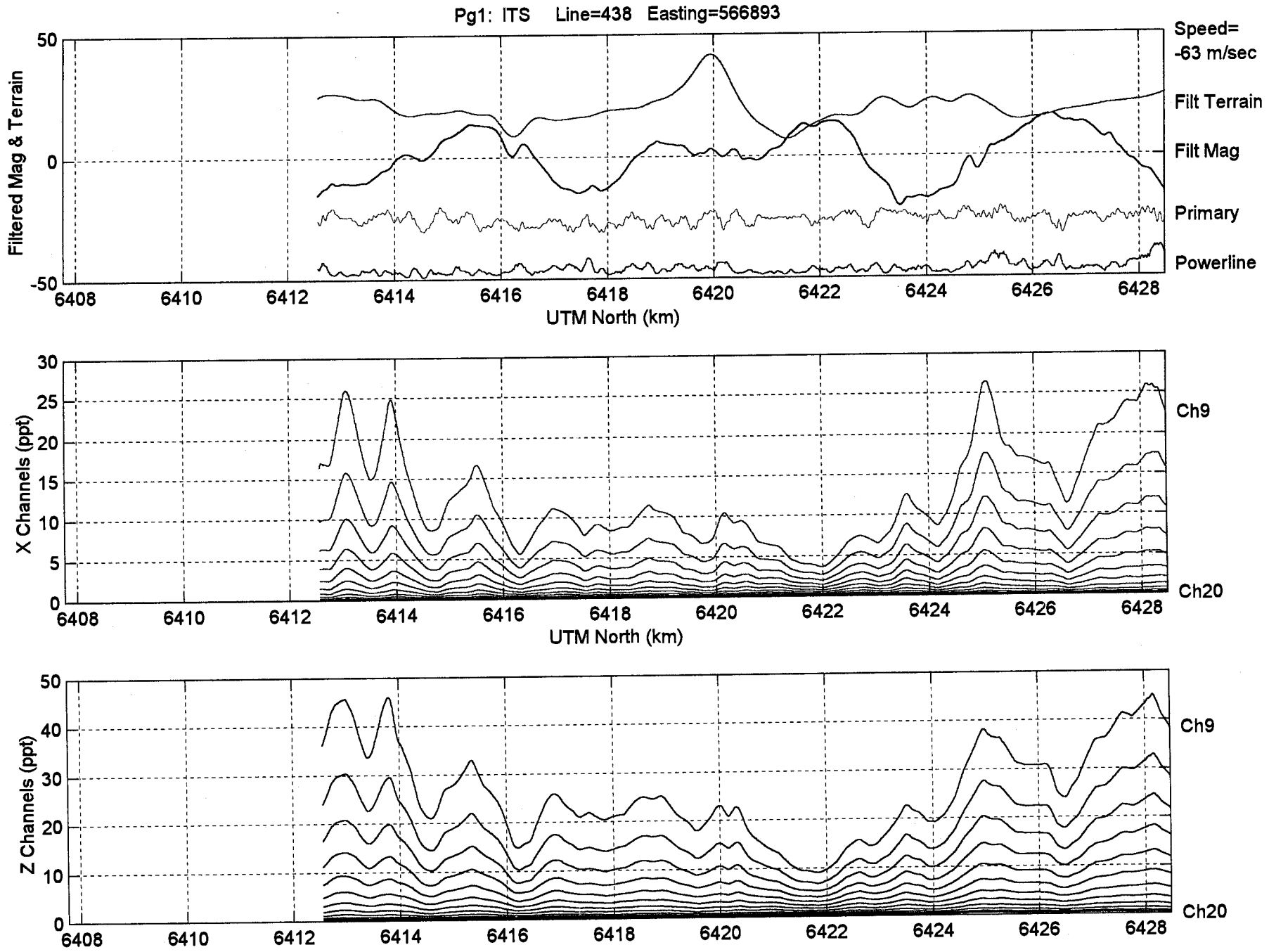

Pg1: ITS Line=433 Easting=565890
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
65 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20

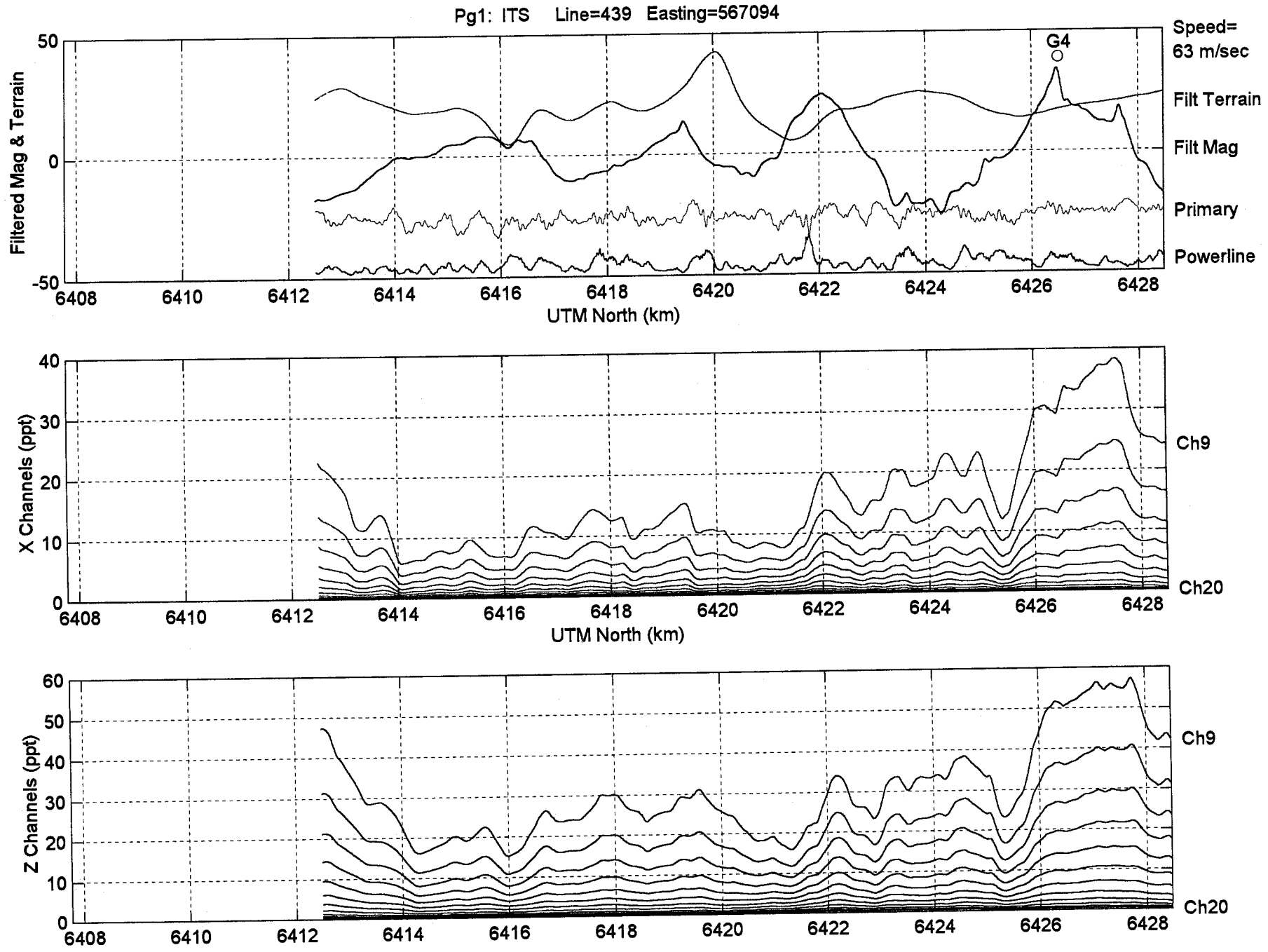

Pg1: ITS Line=434 Easting=566111
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
-59 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
40

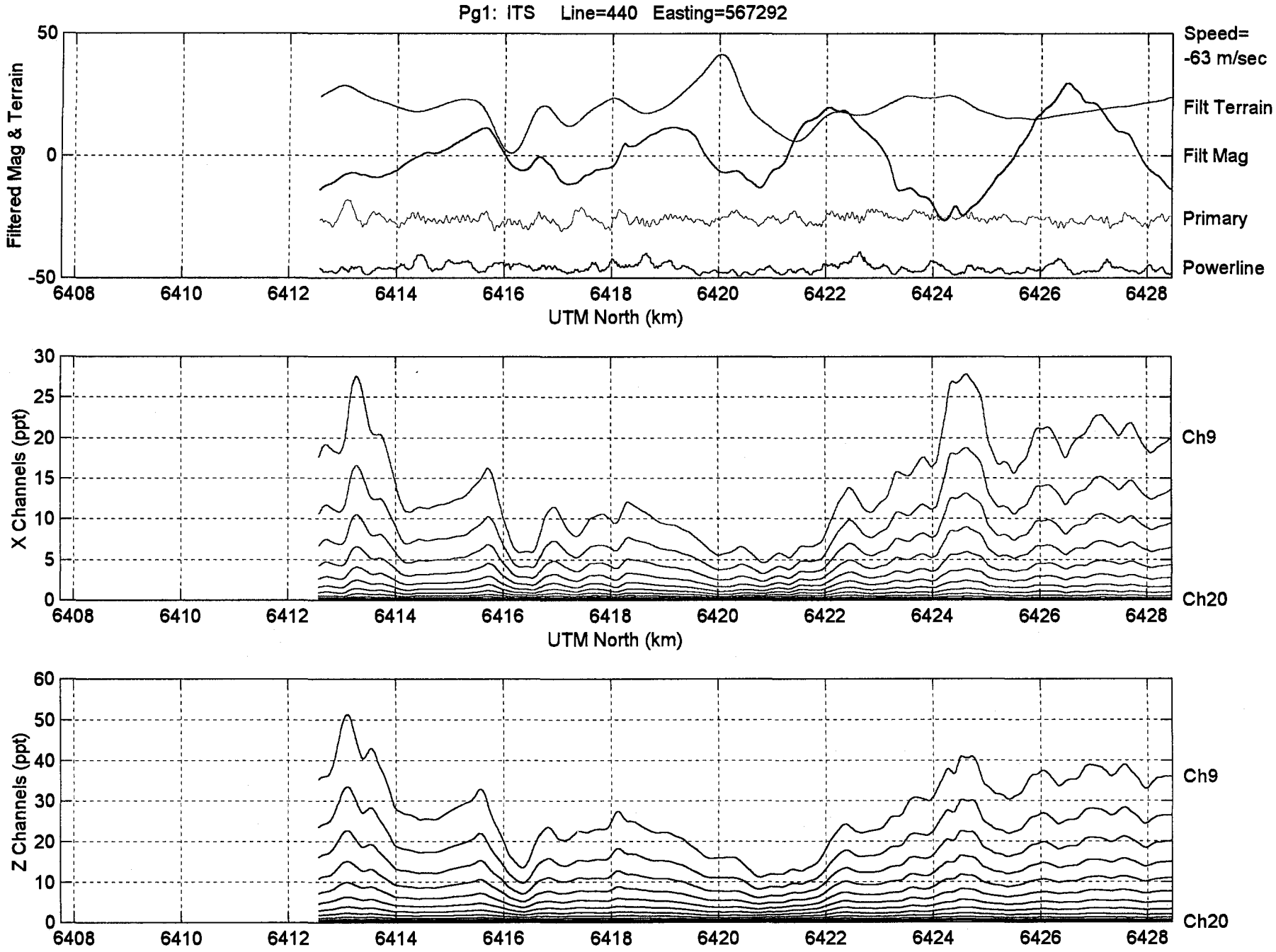

Pg1: ITS Line=435 Easting=566292
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
67 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)

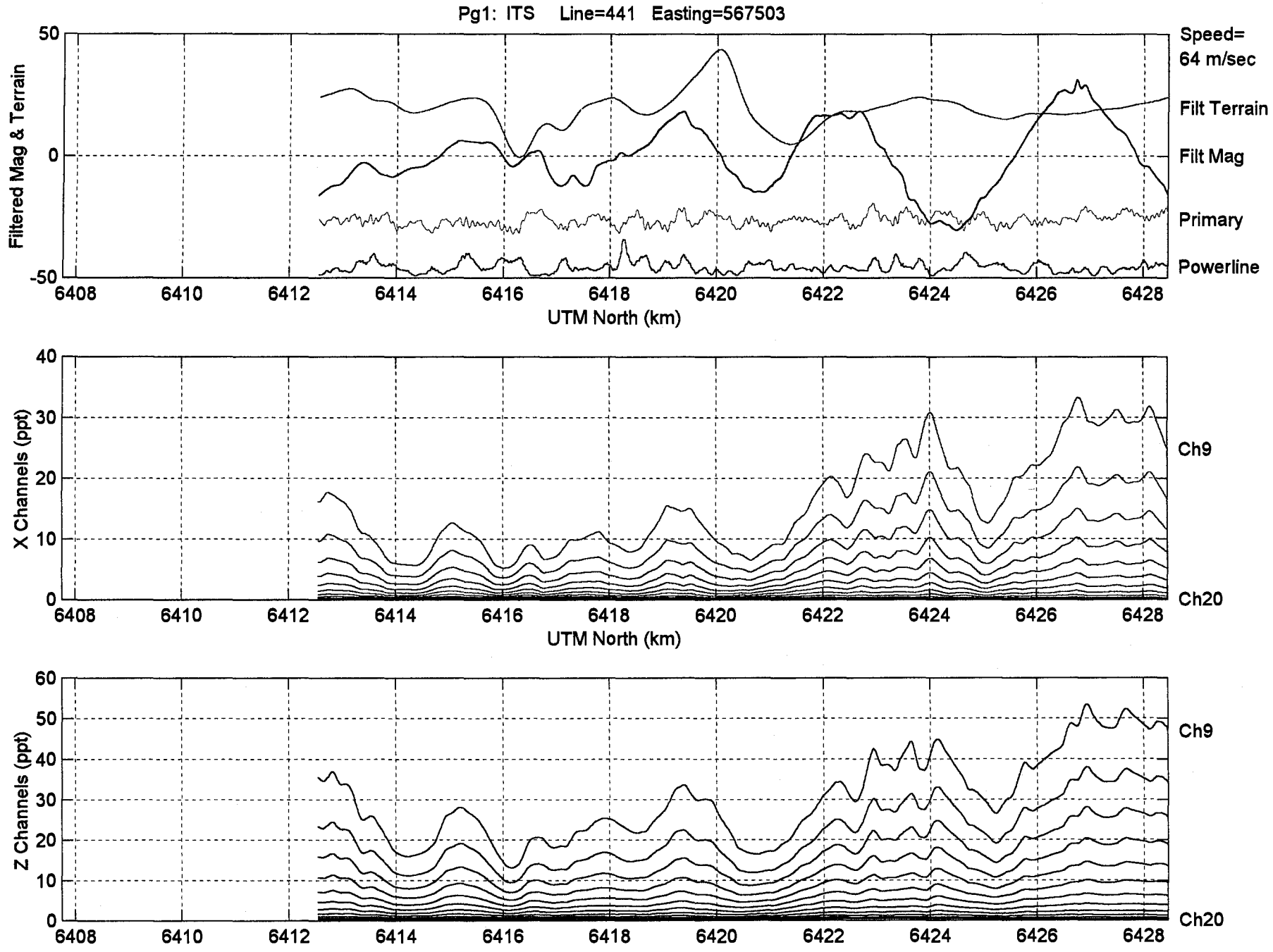

Pg1: ITS Line=436 Easting=566501
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
-59 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)
60
50
40
30
20
10
0

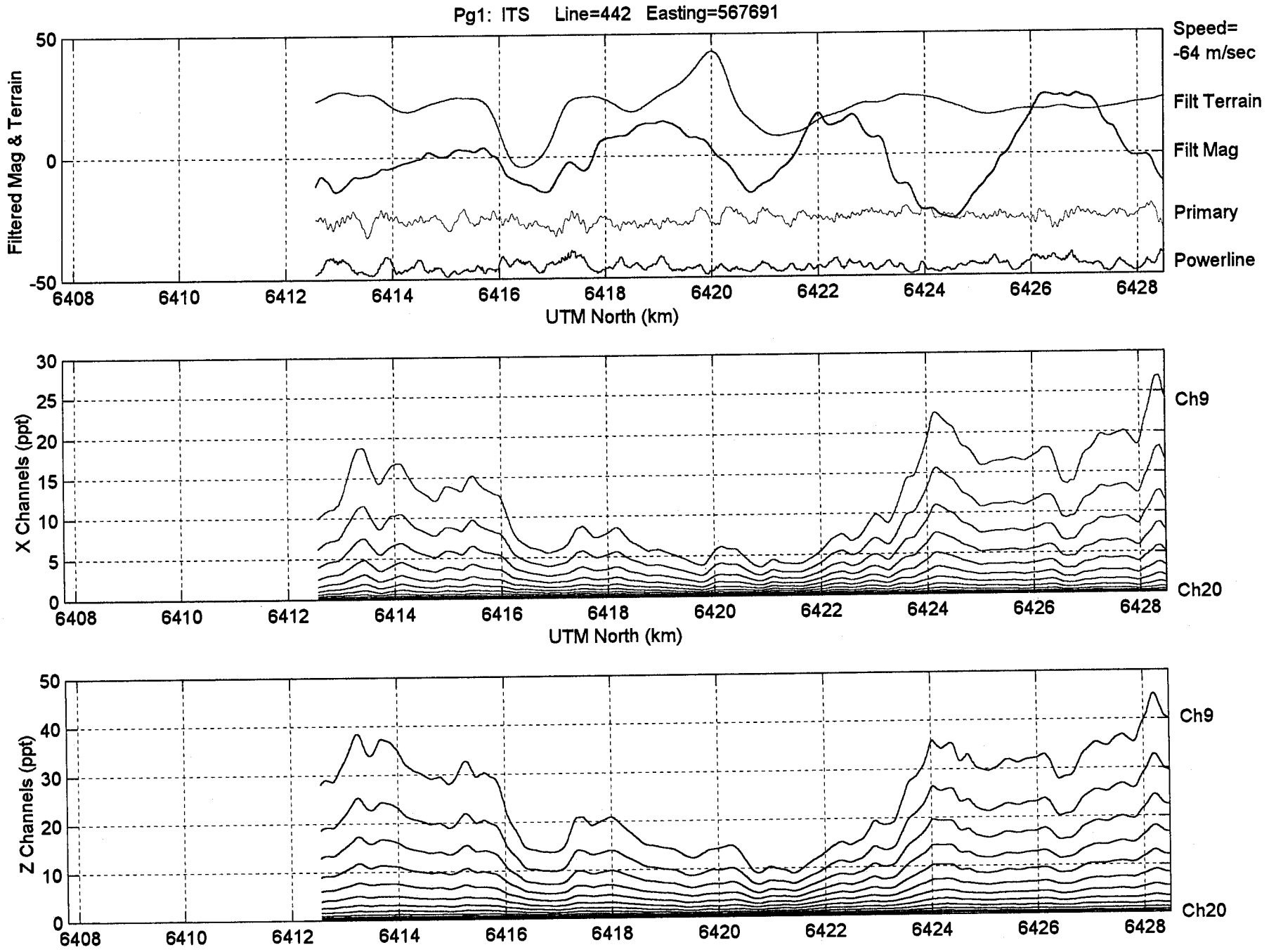

Pg1: ITS Line=437 Easting=566688
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
69 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)
60
50
40
30
20
10
0

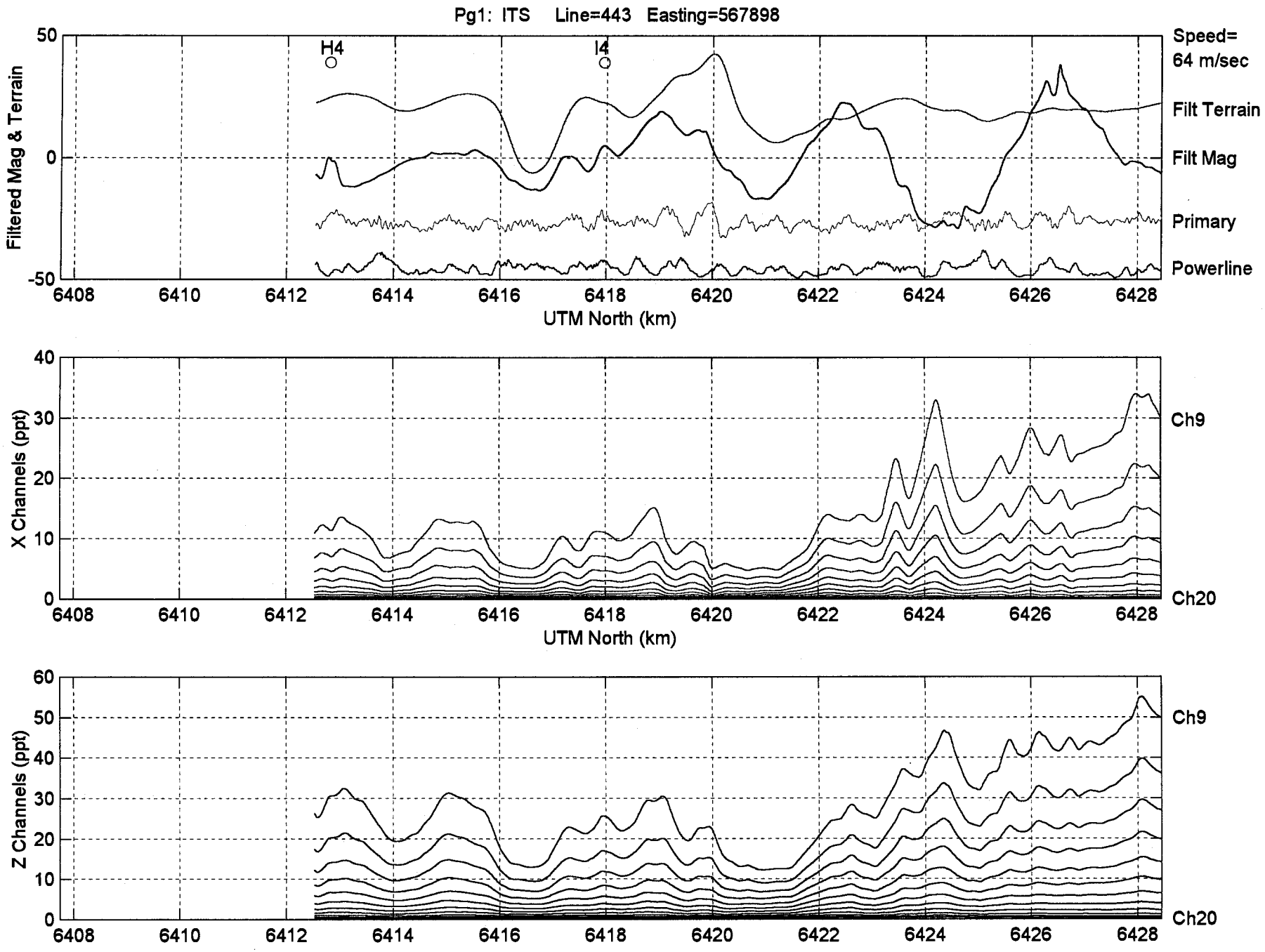

Pg1: ITS Line=438 Easting=566893
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
-63 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
50
40
30
20
10
0

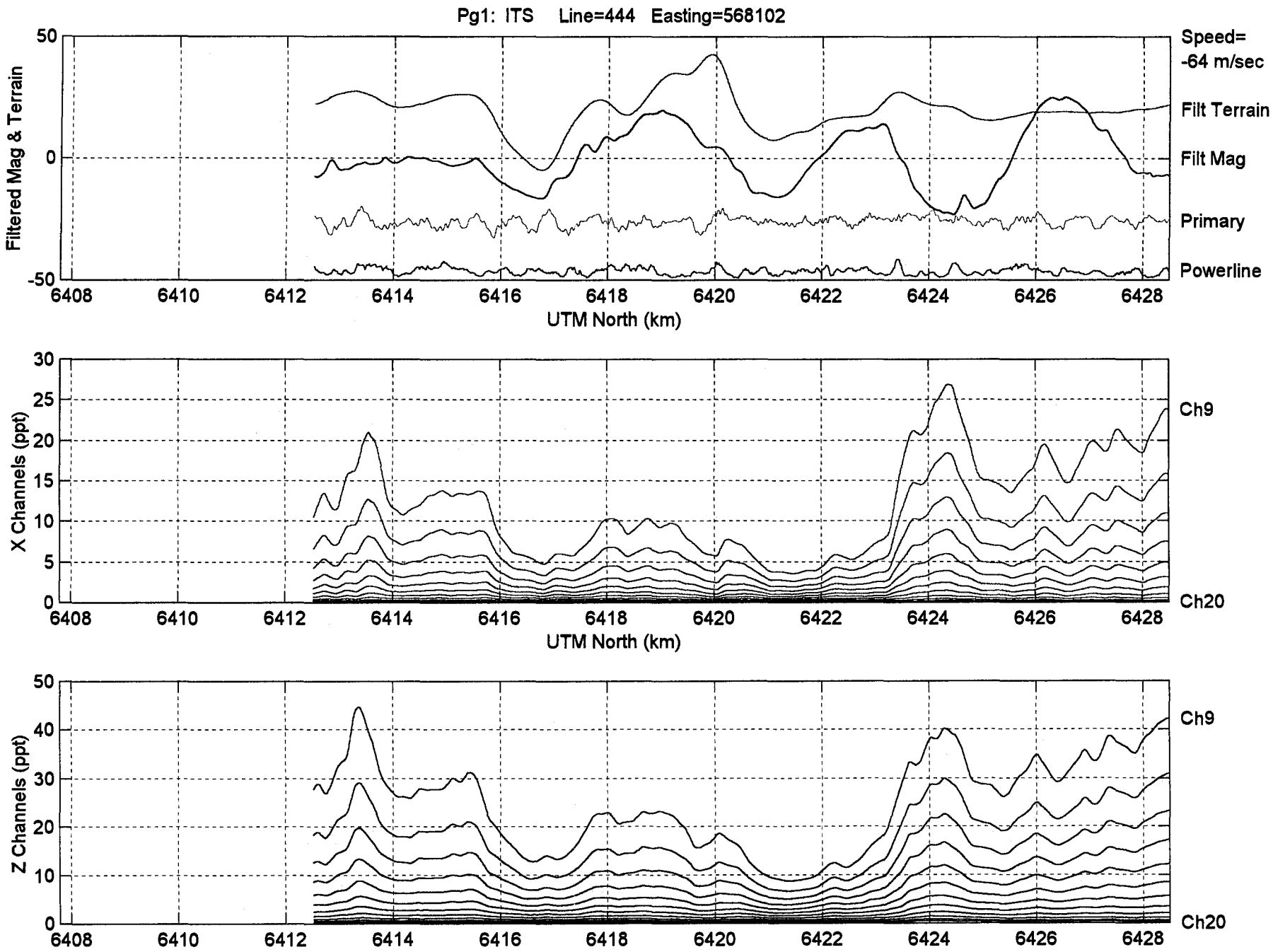

Pg1: ITS Line=439 Easting=567094
Filtered Mag & Terrain
50
0
-50
G4
Speed=
63 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
60
50
40
30
20
10
0
Ch9
Ch20

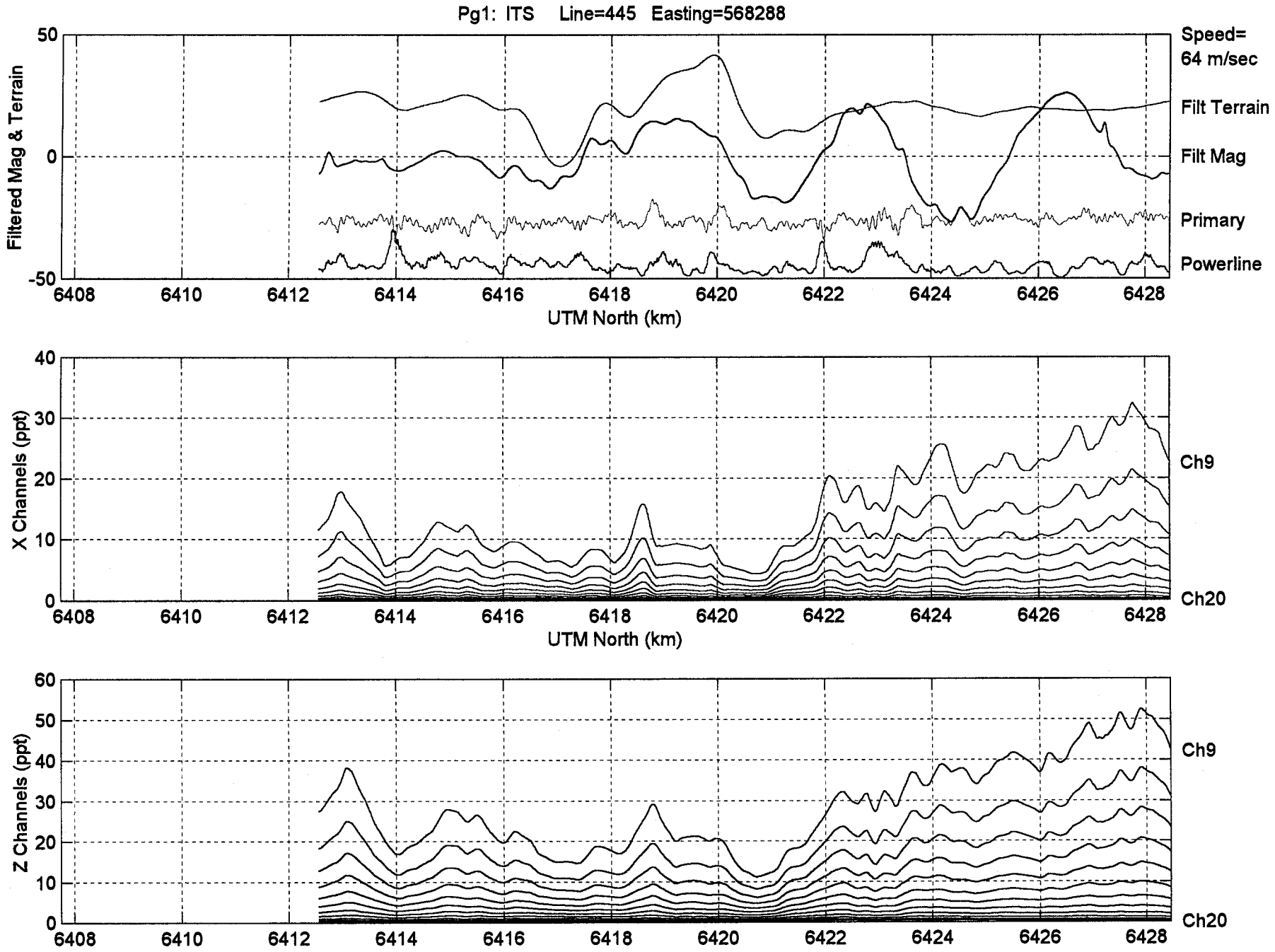

Pg1: ITS Line=440 Easting=567292
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
-63 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
60
50
40
30
20
10
0
Ch9
Ch20

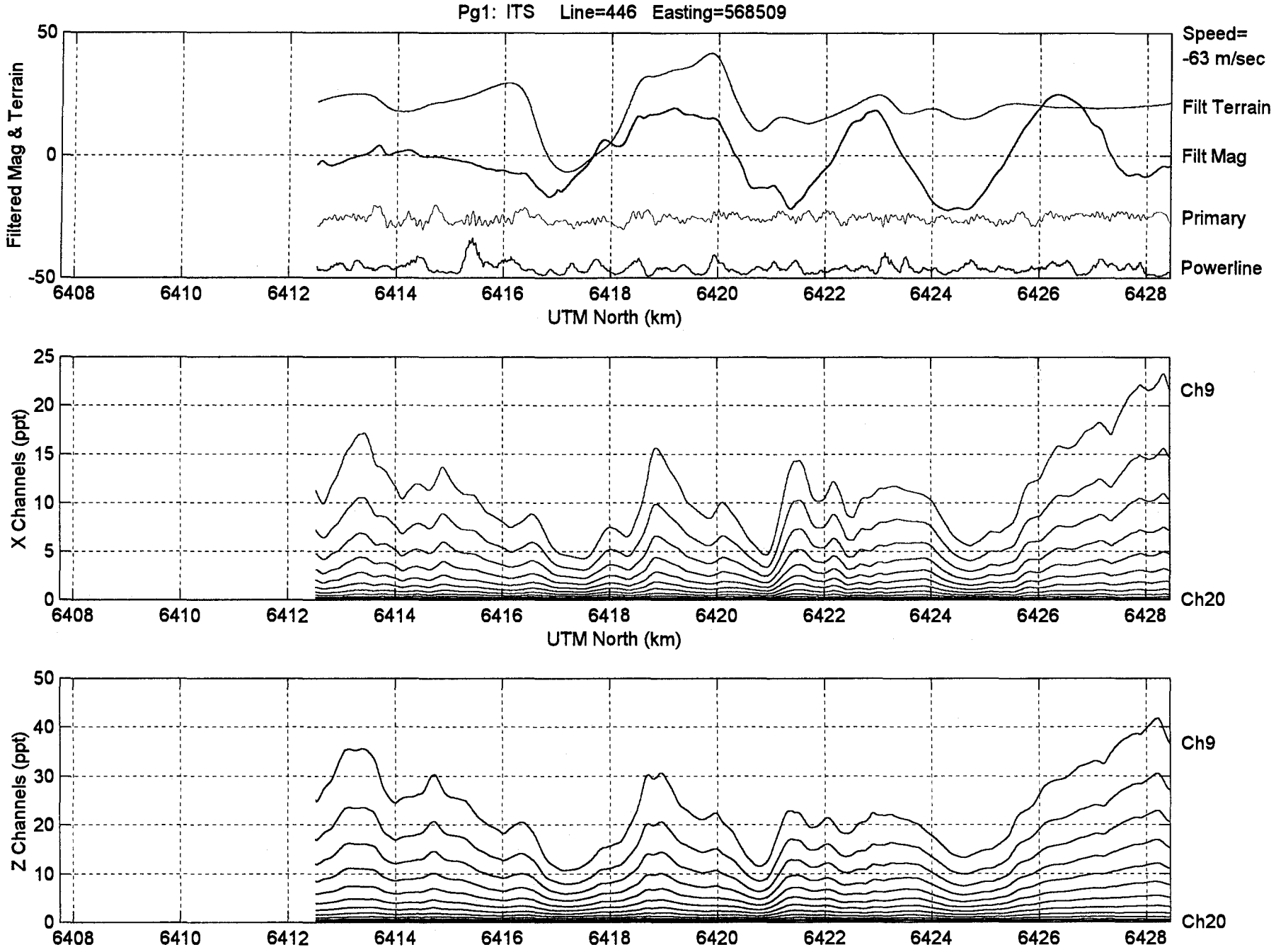

Pg1: ITS Line=441 Easting=567503
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
64 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)
60
50
40
30
20
10
0

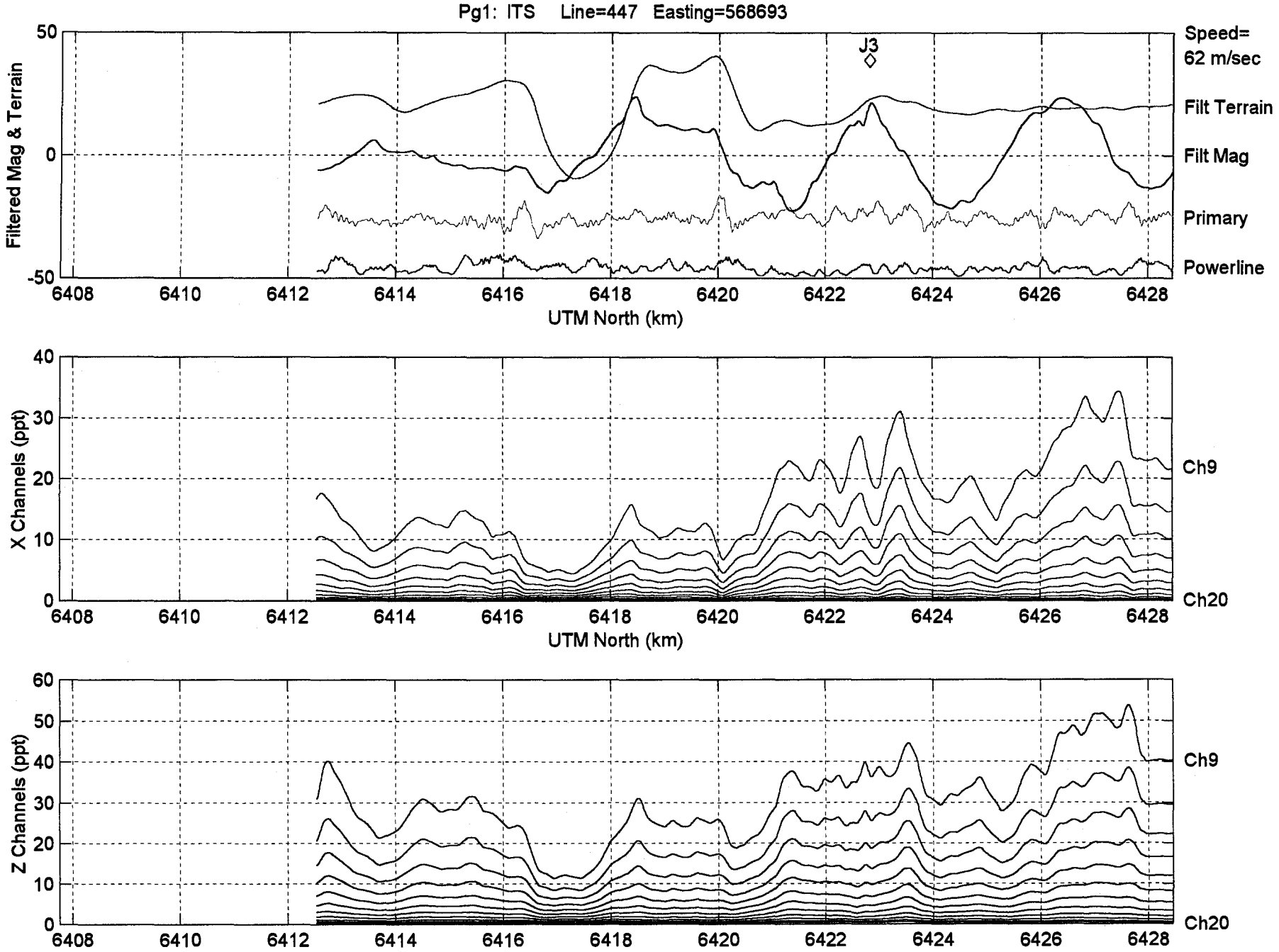

Pg1: ITS Line=442 Easting=567691
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
-64 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
50
40
30
20
10
0

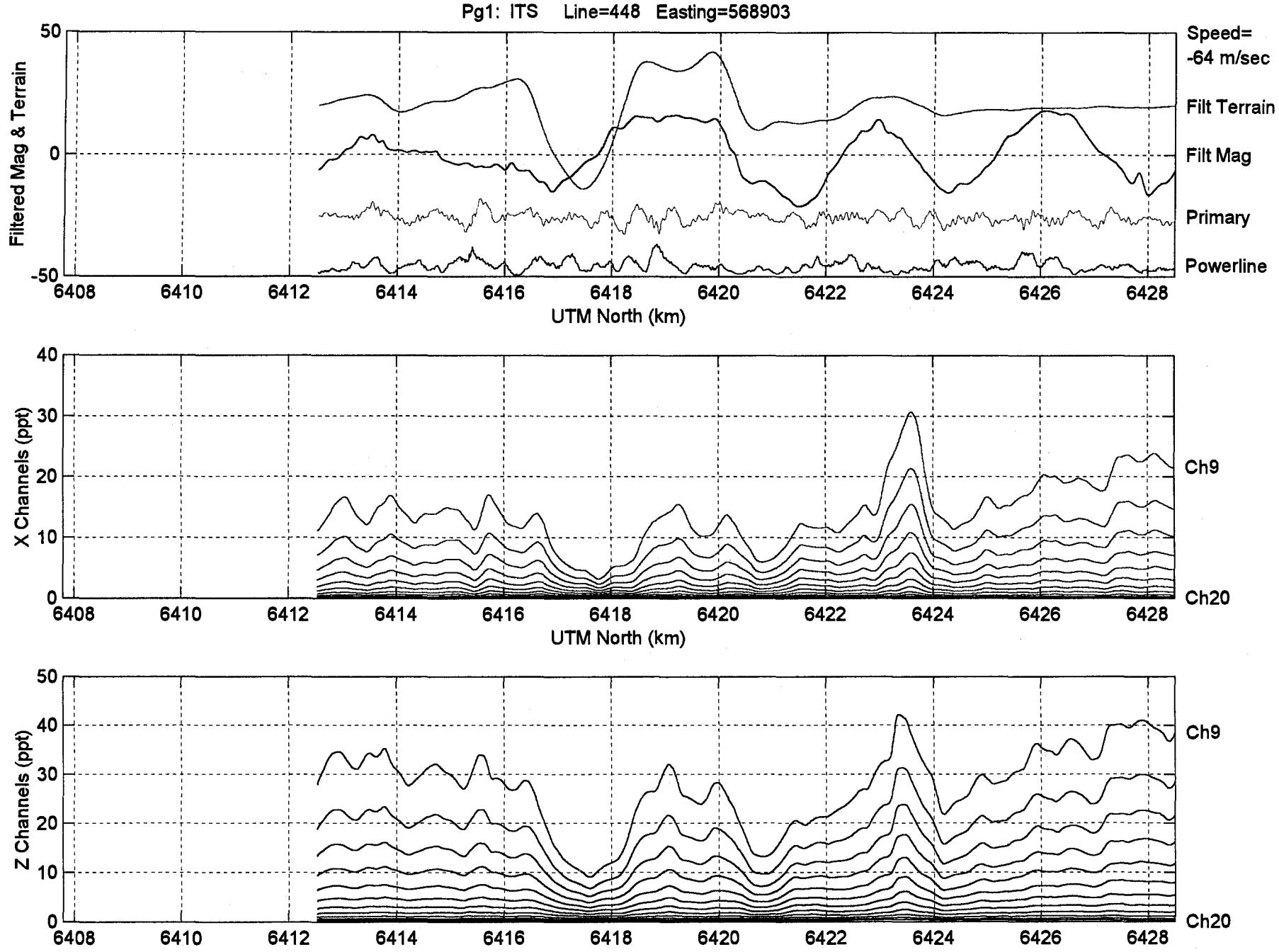

Pg1: ITS Line=443 Easting=567898
Filtered Mag & Terrain
50
0
-50
H4
I4
Speed=
64 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
60
50
40
30
20
10
0
Ch9
Ch20

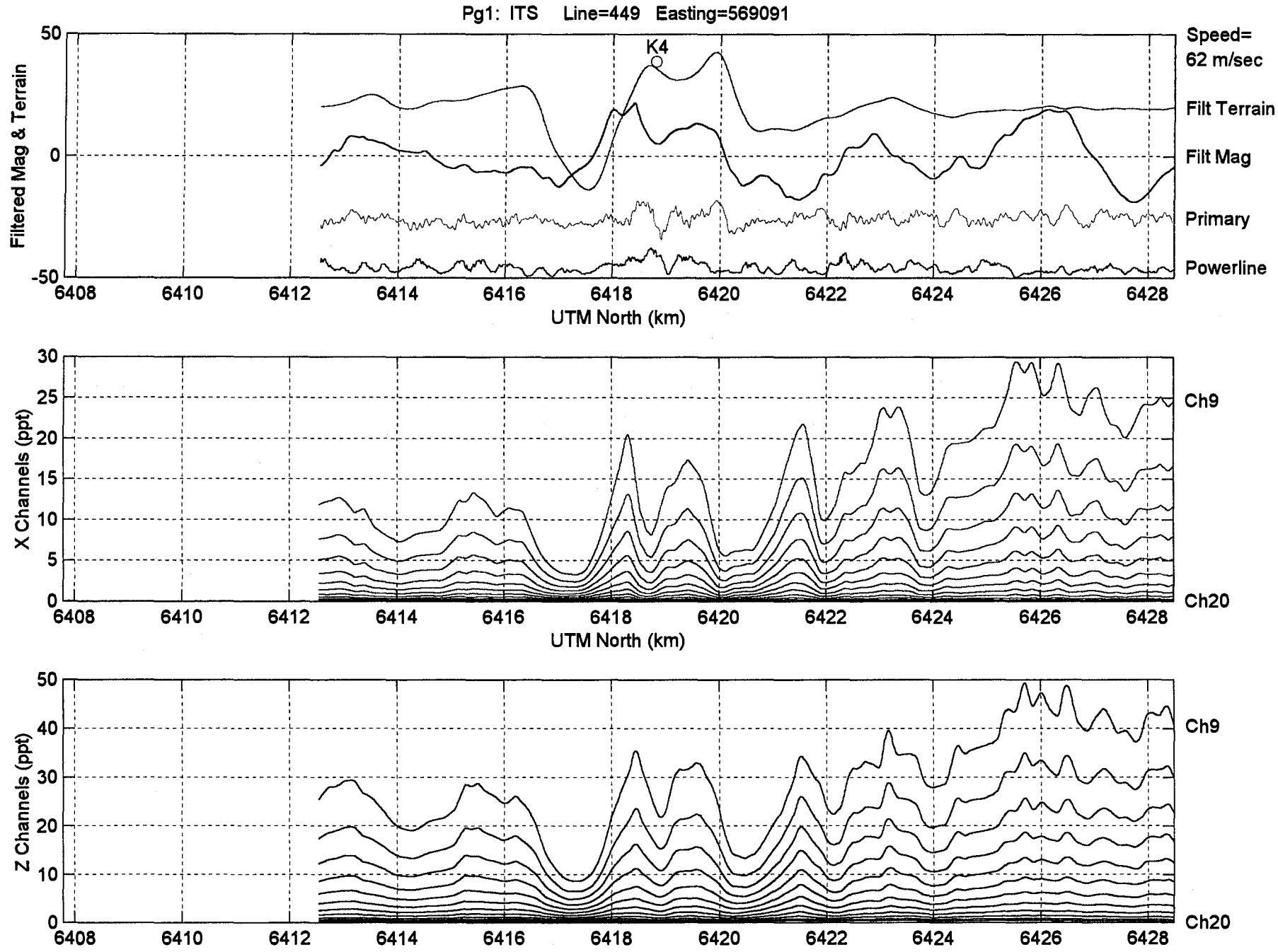

Pg1: ITS Line=444 Easting=568102
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
-64 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20

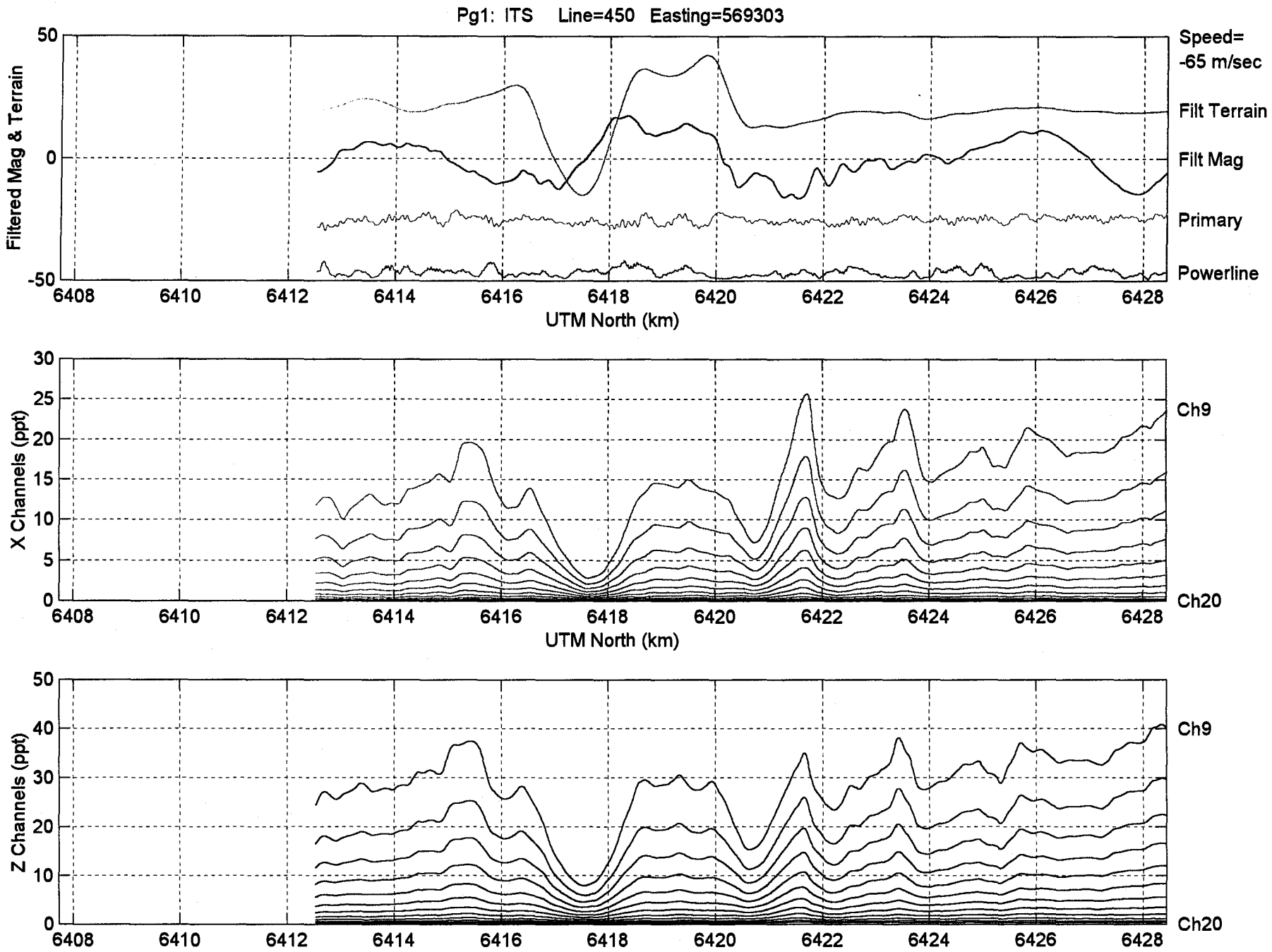

Pg1: ITS Line=445 Easting=568288
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
64 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)
60
50
40
30
20
10
0

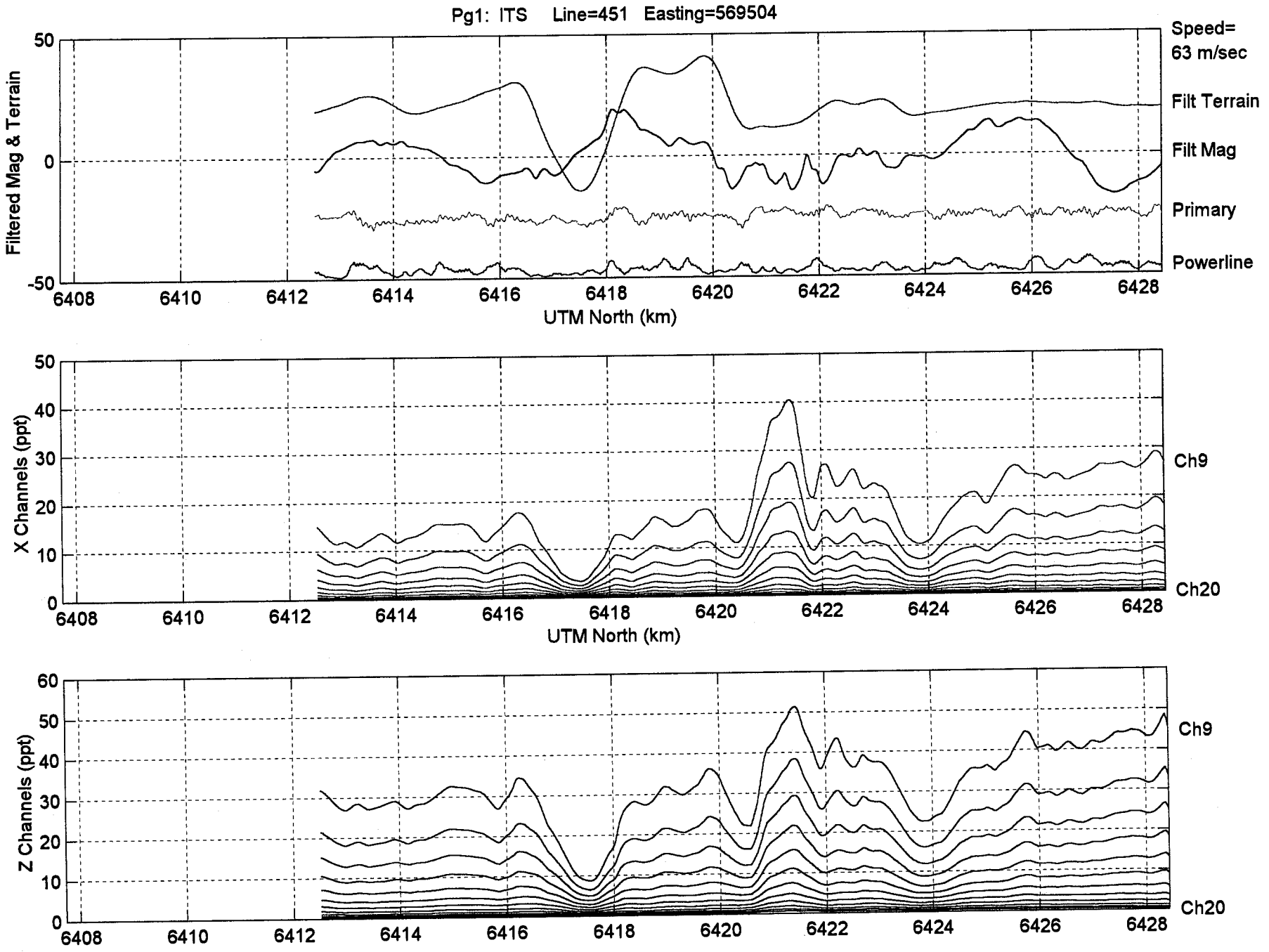

Pg1: ITS Line=446 Easting=568509
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
-63 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20

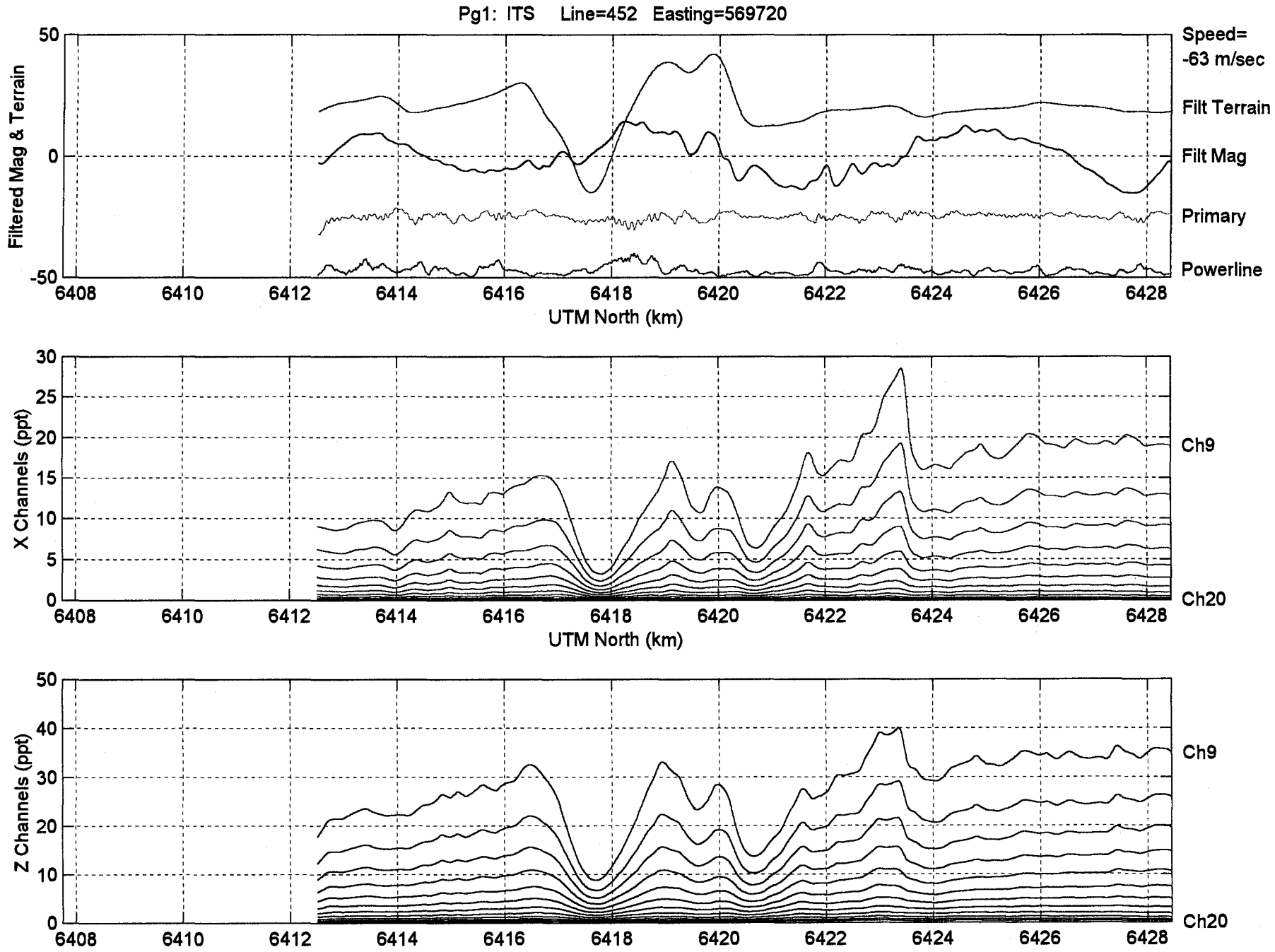

Pg1: ITS Line=447 Easting=568693
Filtered Mag & Terrain
50
0
-50
J3
Speed=
62 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
60
50
40
30
20
10
0
Ch9
Ch20

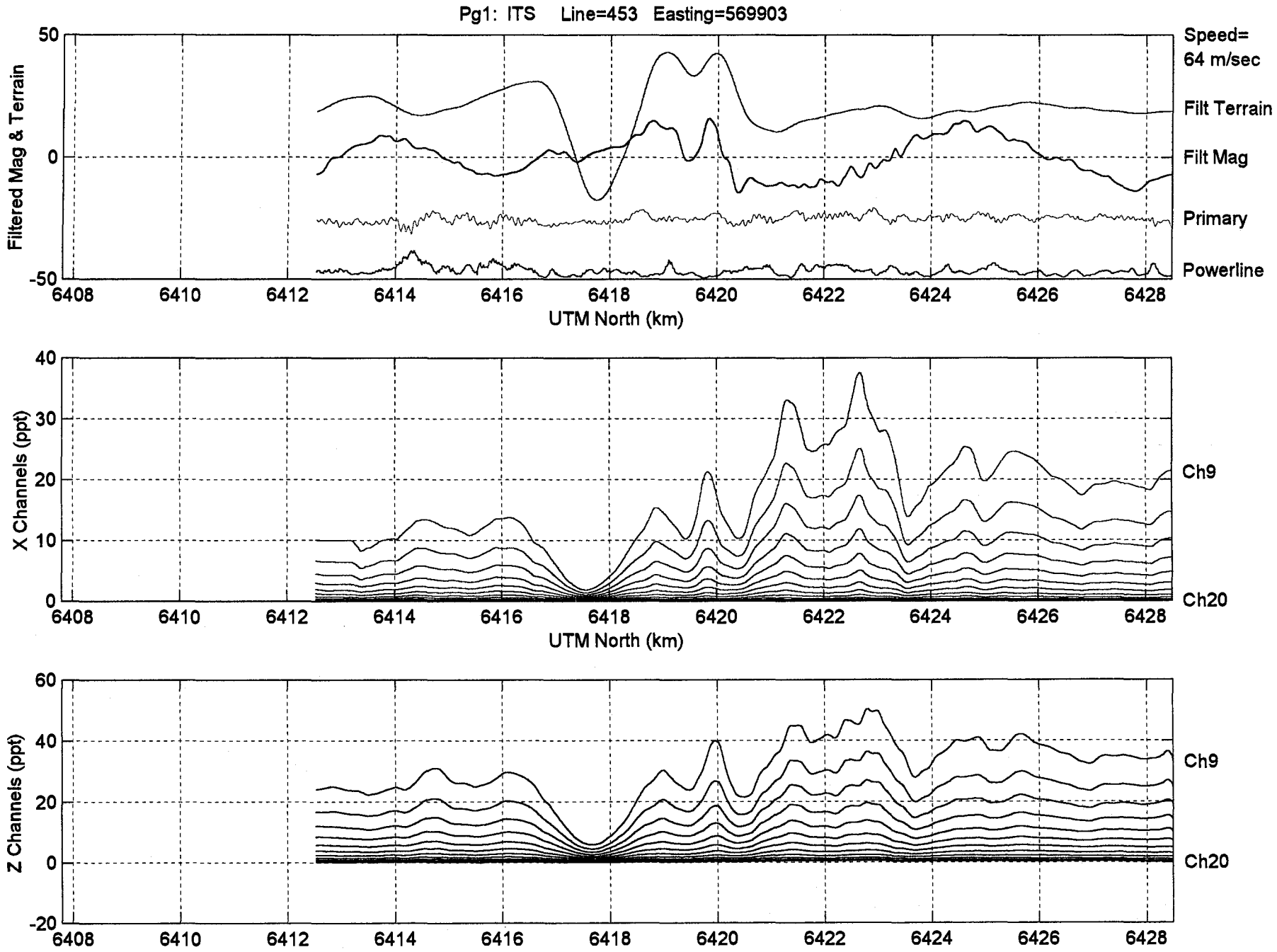

Pg1: ITS Line=448 Easting=568903
Filtered Mag & Terrain
50
0
-50
Speed=
-64 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20

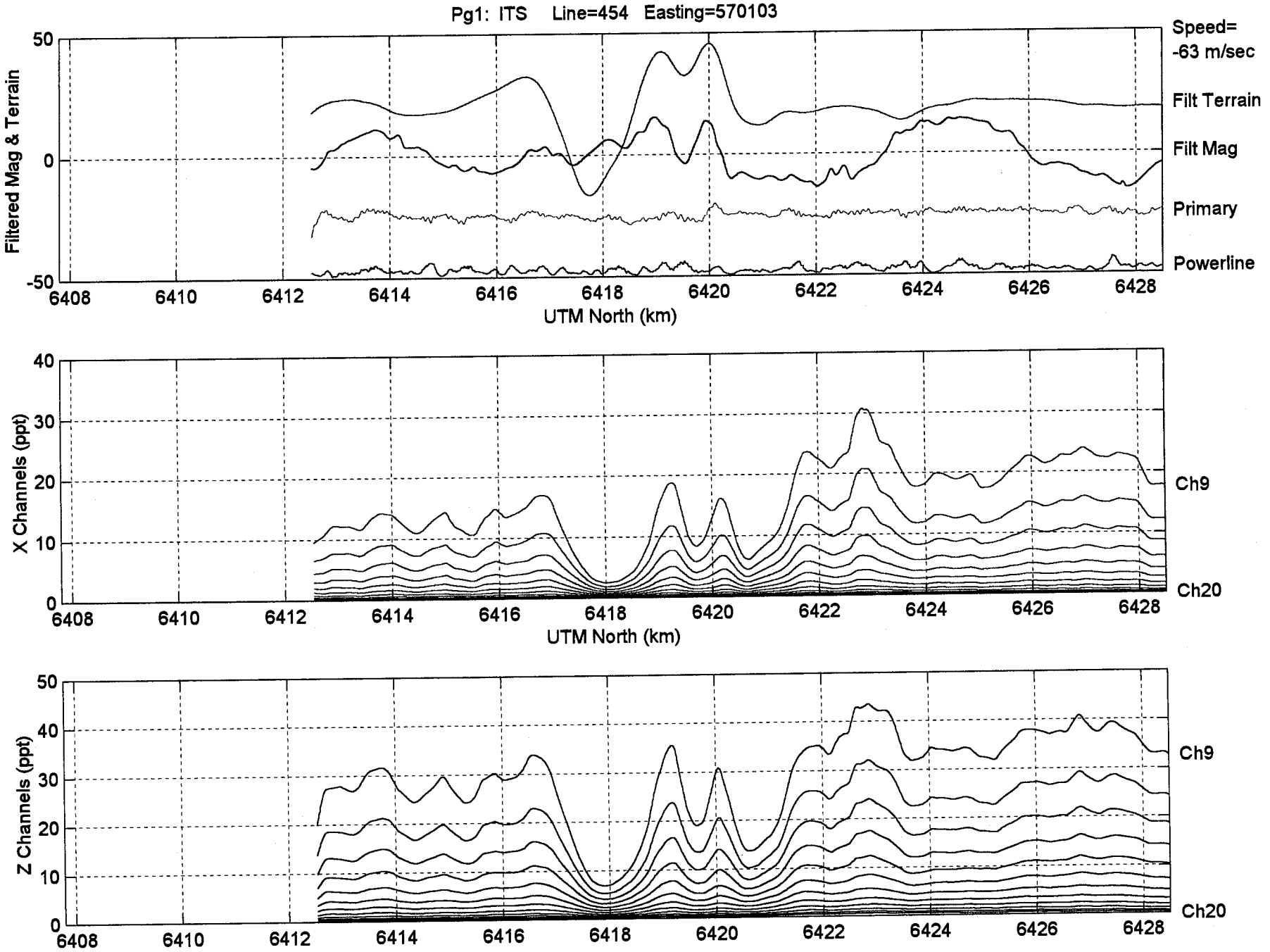

Pg1: ITS Line=449 Easting=569091
Filtered Mag & Terrain
50
0
-50
K4
Speed=
62 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20

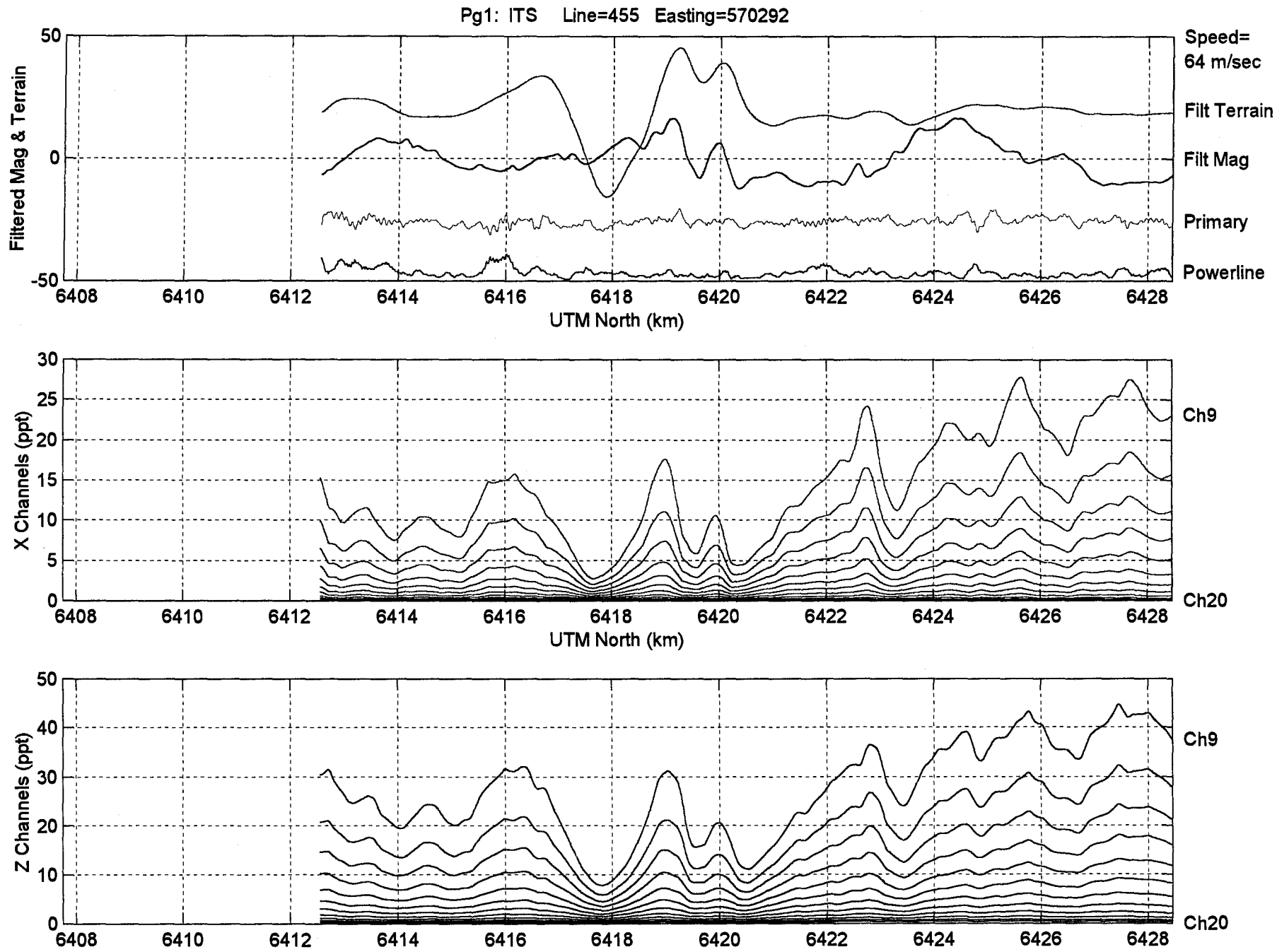

Pg1: ITS Line=450 Easting=569303
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
-65 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
40

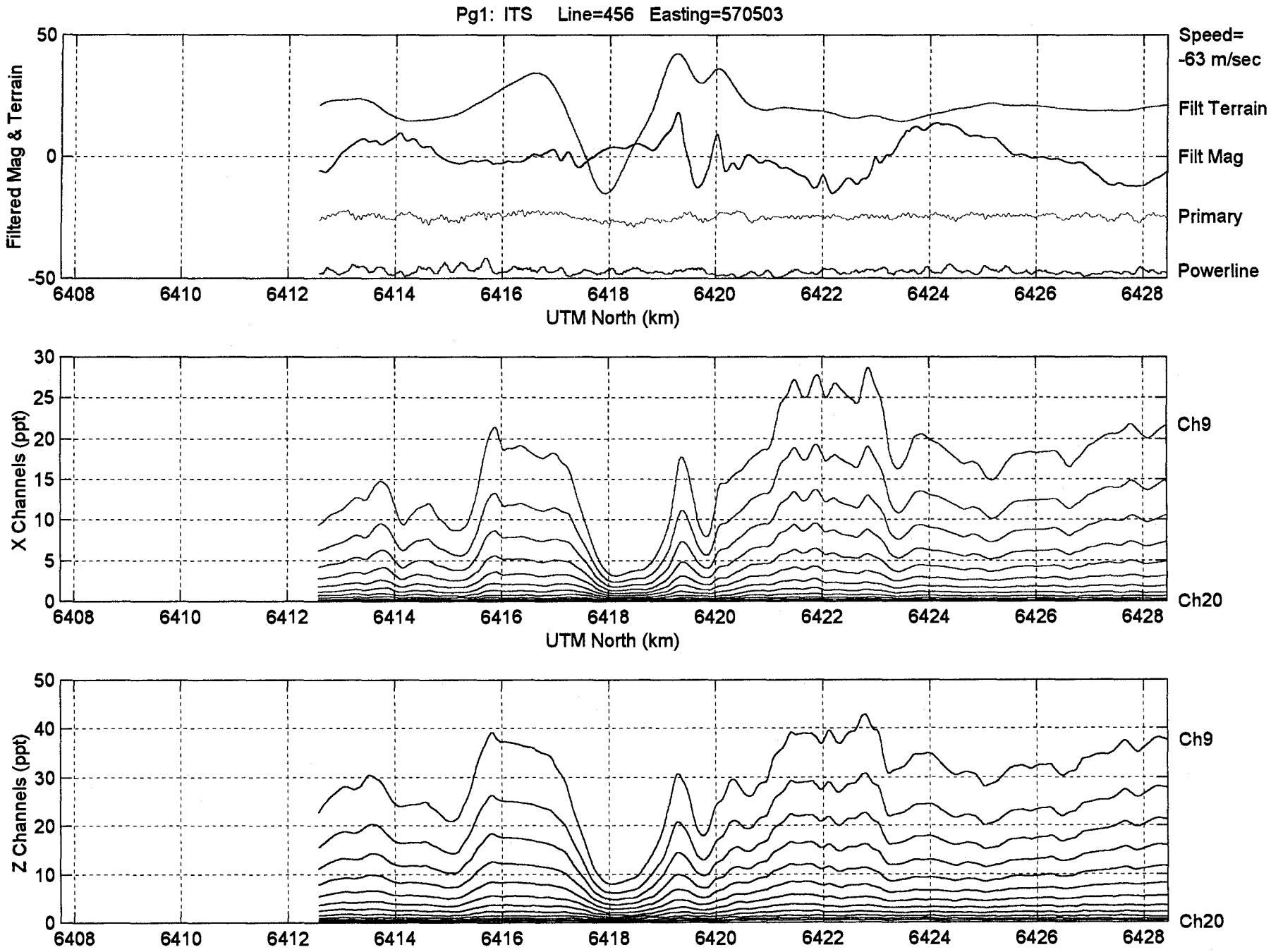

Pg1: ITS Line=451 Easting=569504
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
63 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)
60
50
40
30
20
10
0

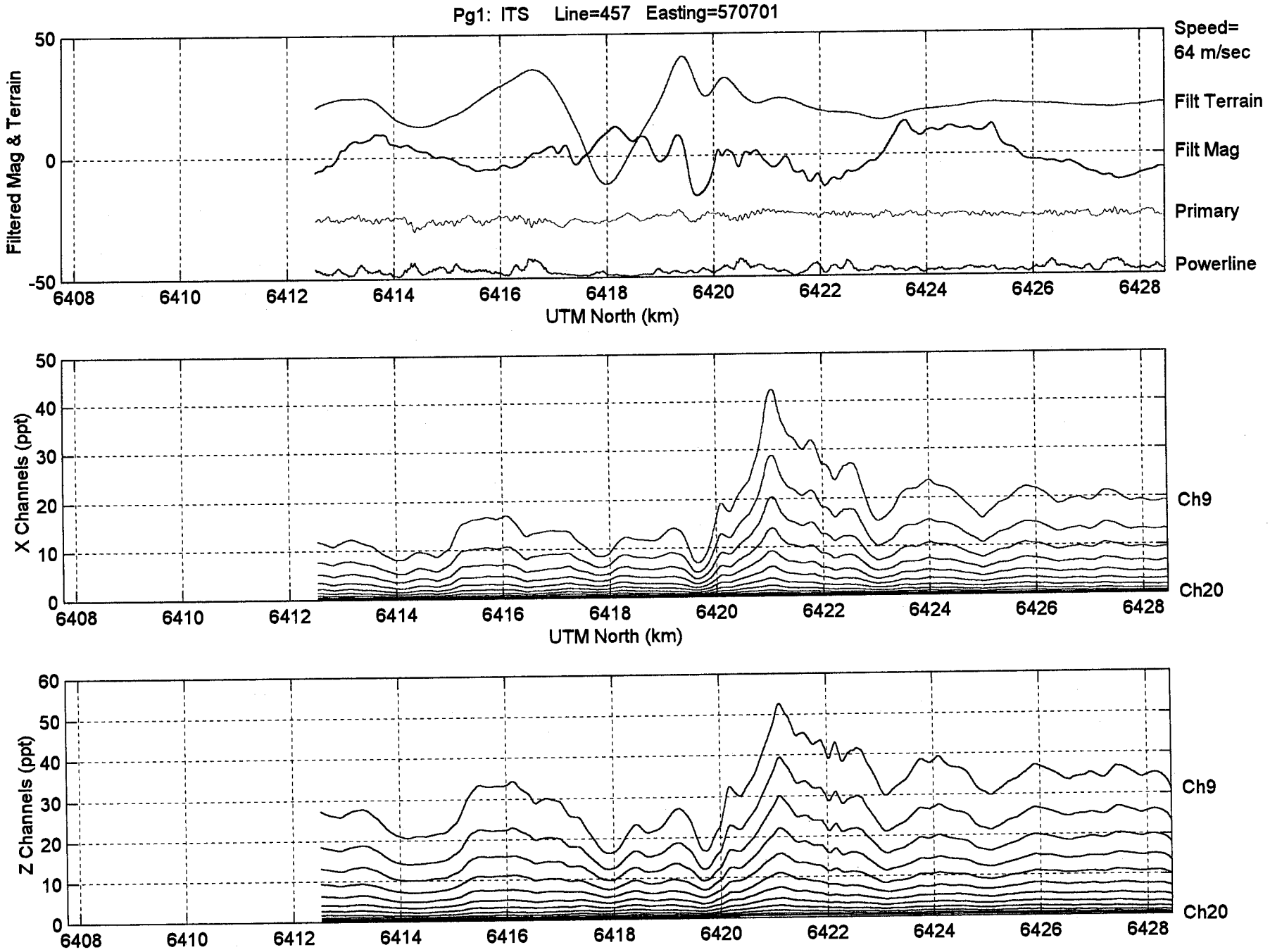

Pg1: ITS Line=452 Easting=569720
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
-63 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20

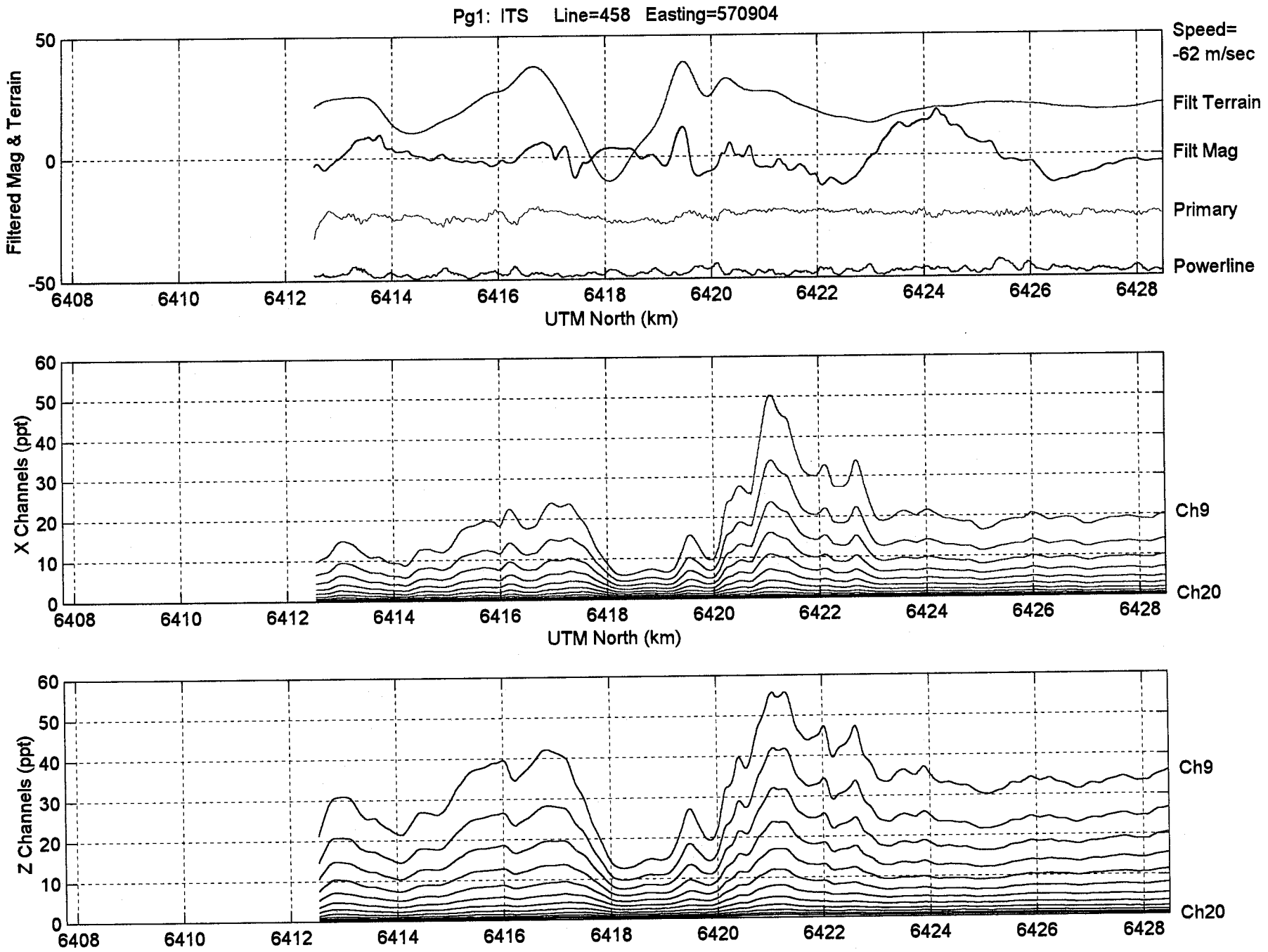

Pg1: ITS Line=453 Easting=569903
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
64 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
40
30
20
10
0
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
60
40
20
0
-20
Ch9
Ch20

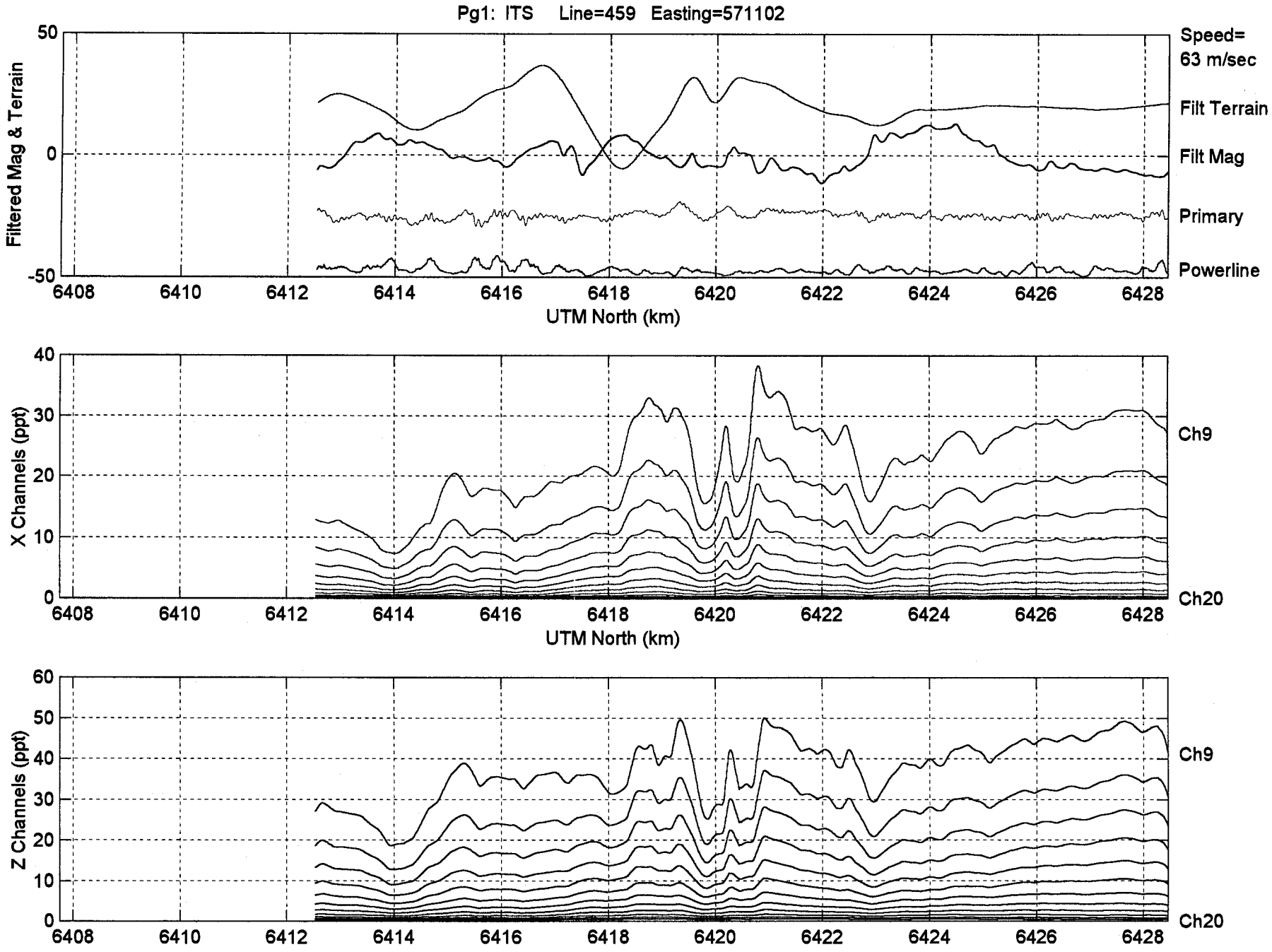

Pg1: ITS Line=454 Easting=570103
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
-63 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)

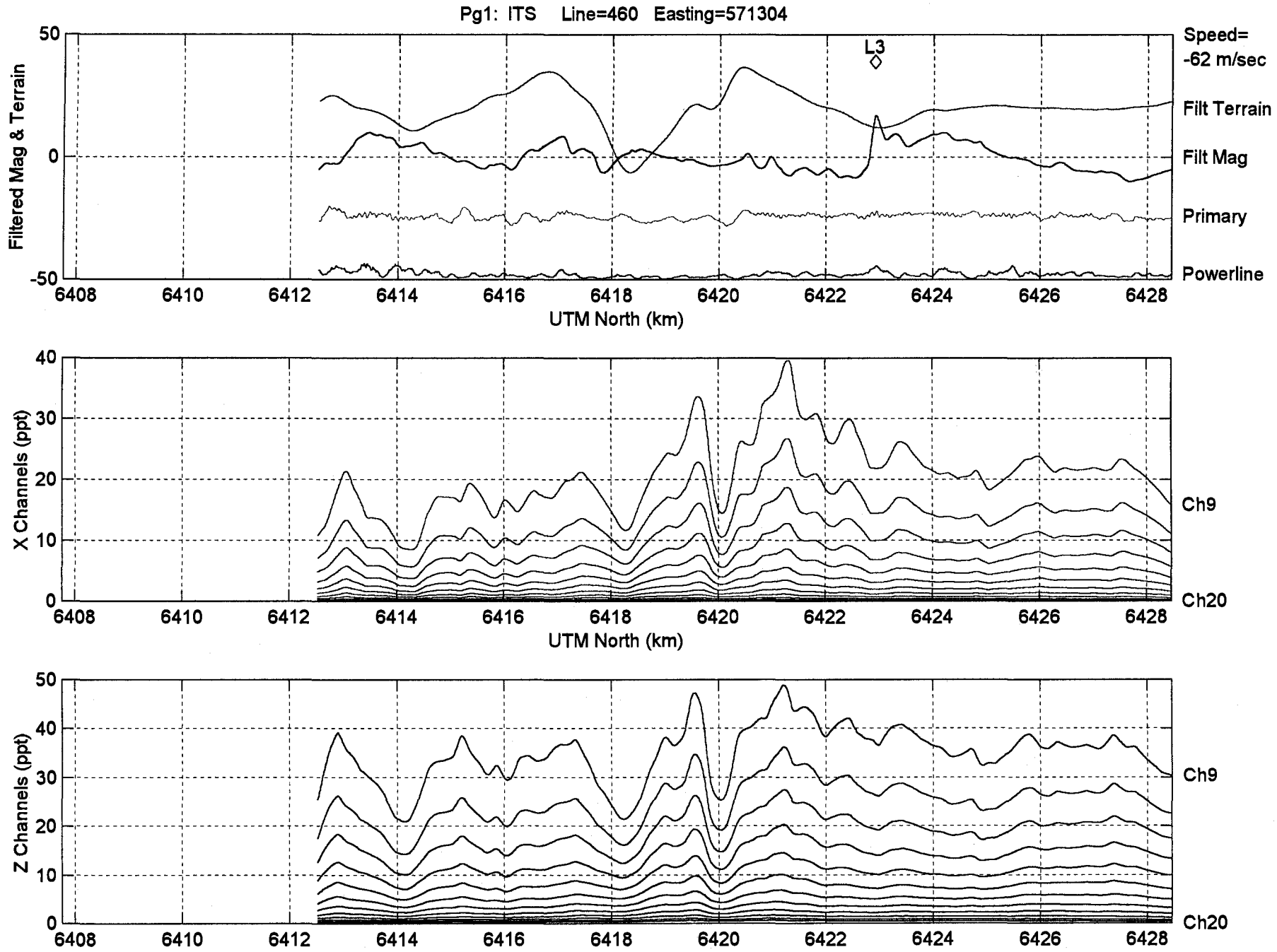

Pg1: ITS Line=455 Easting=570292
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
64 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20

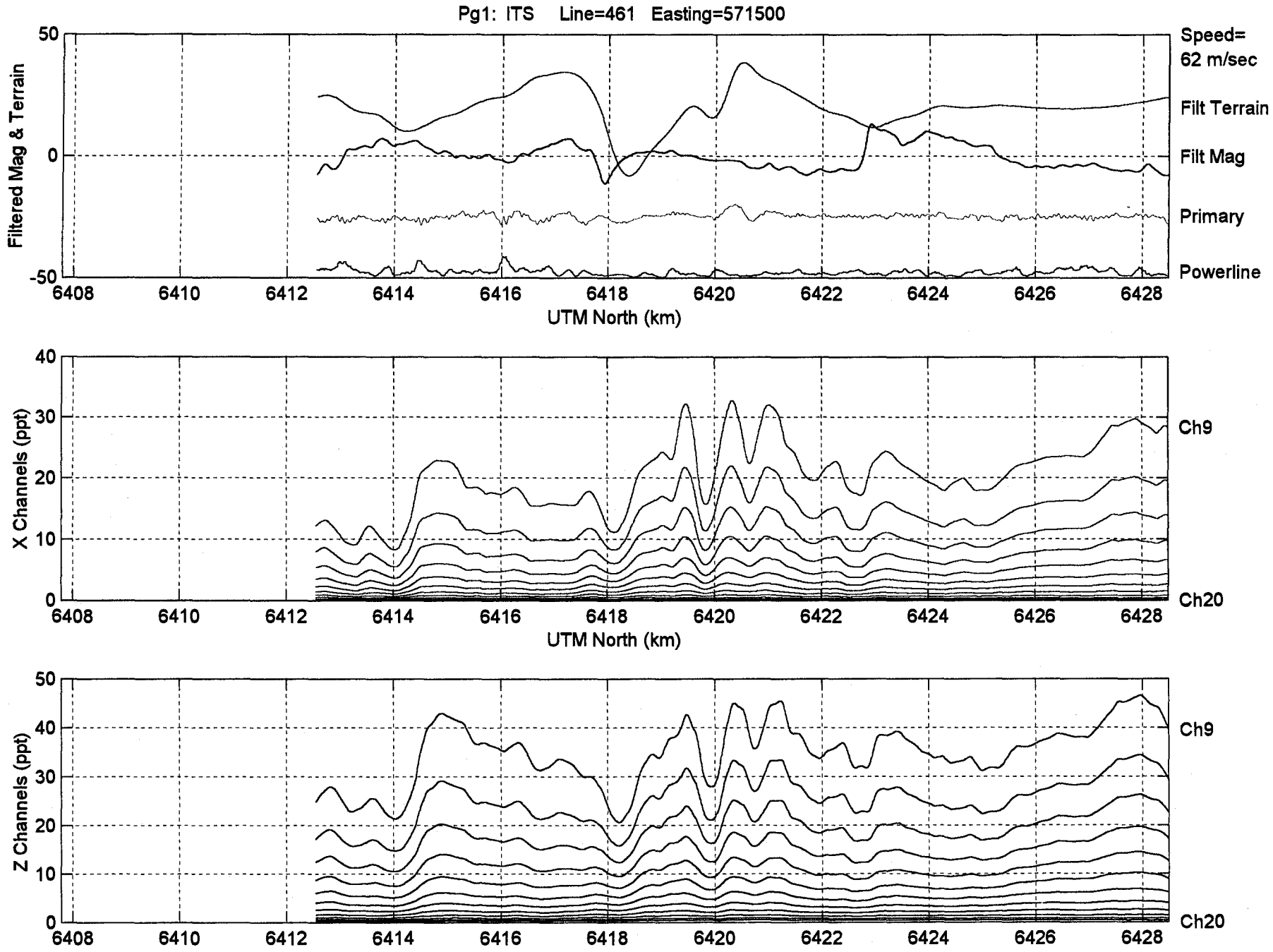

Pg1: ITS Line=456 Easting=570503
Filtered Mag & Terrain
50
0
-50
Speed=
-63 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20

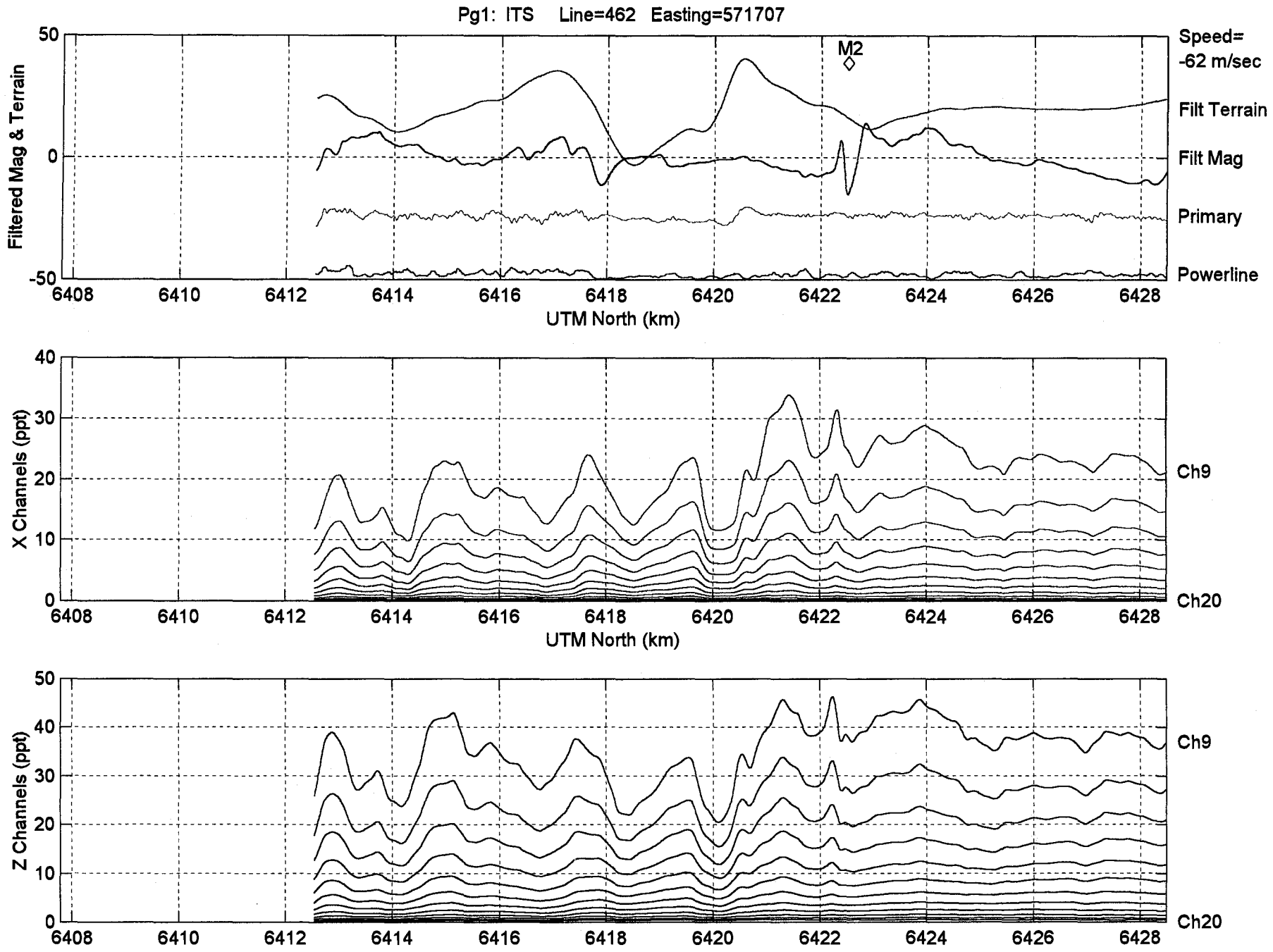

Pg1: ITS Line=457 Easting=570701
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
64 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
60
50
40
30
20
10
0
Ch9
Ch20

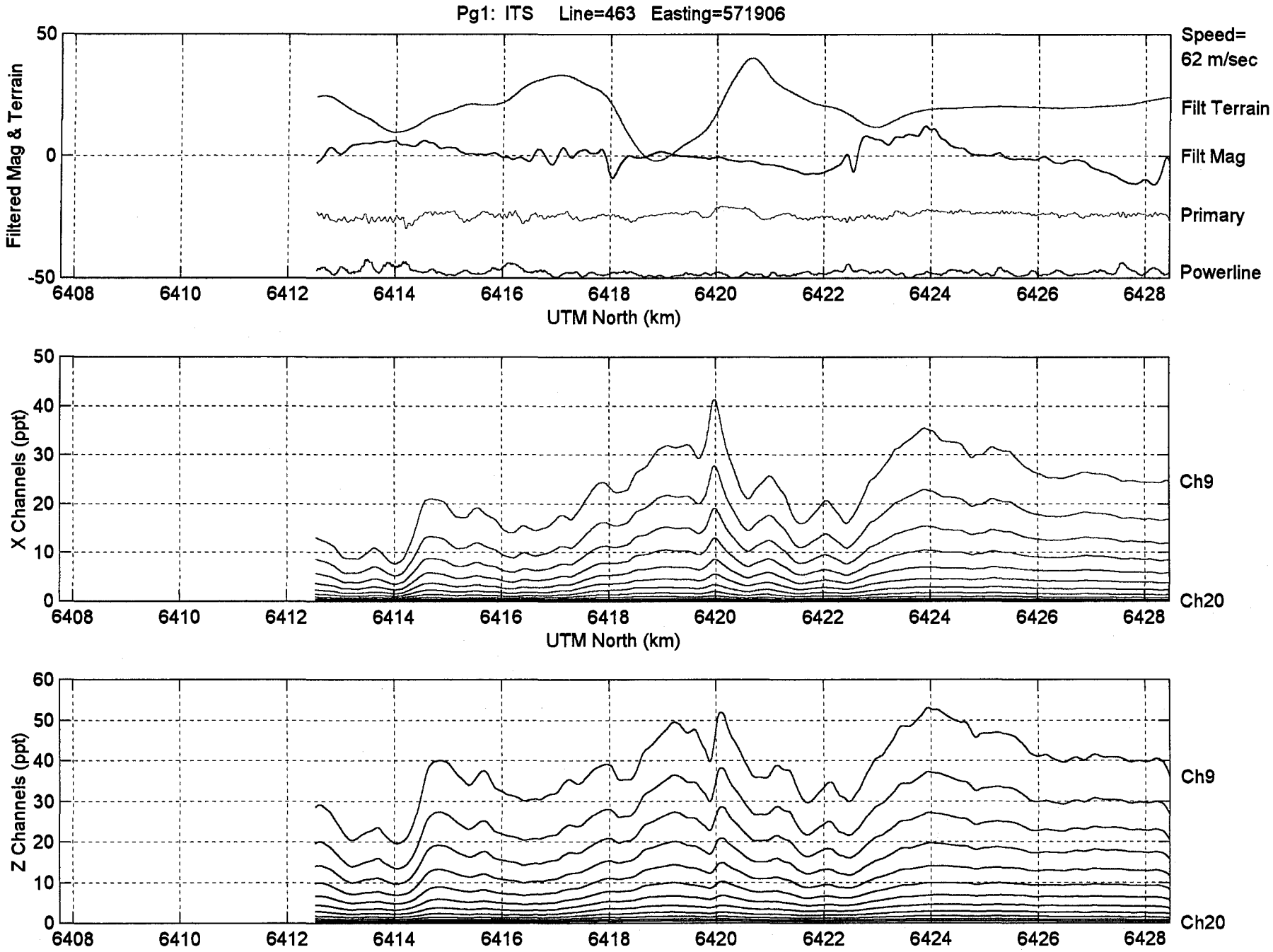

Pg1: ITS Line=458 Easting=570904
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
-62 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
60
50
40
30
20
10
0
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
Ch9
Ch20

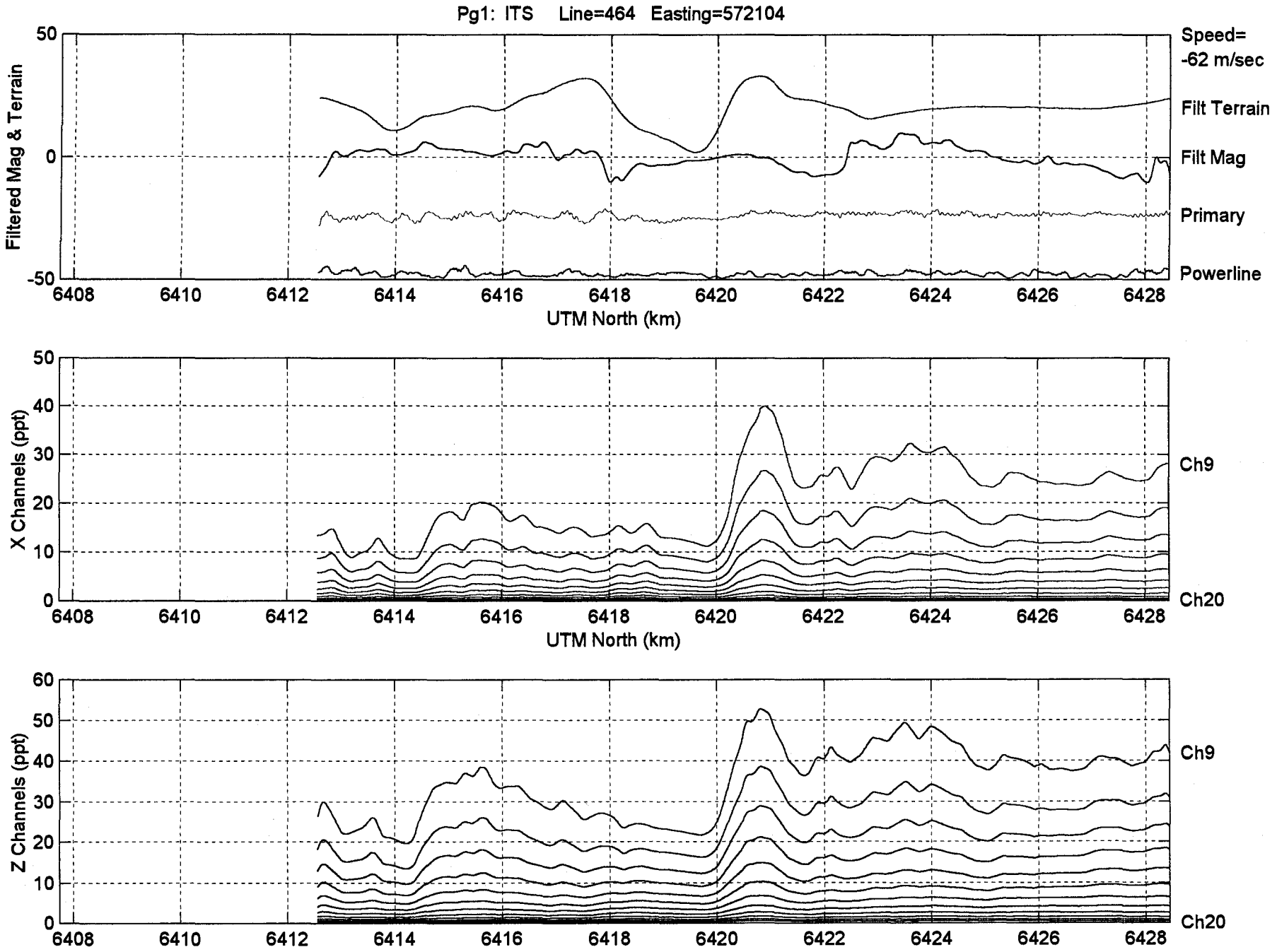

Pg1: ITS Line=459 Easting=571102
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
63 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)
60
50
40
30
20
10
0

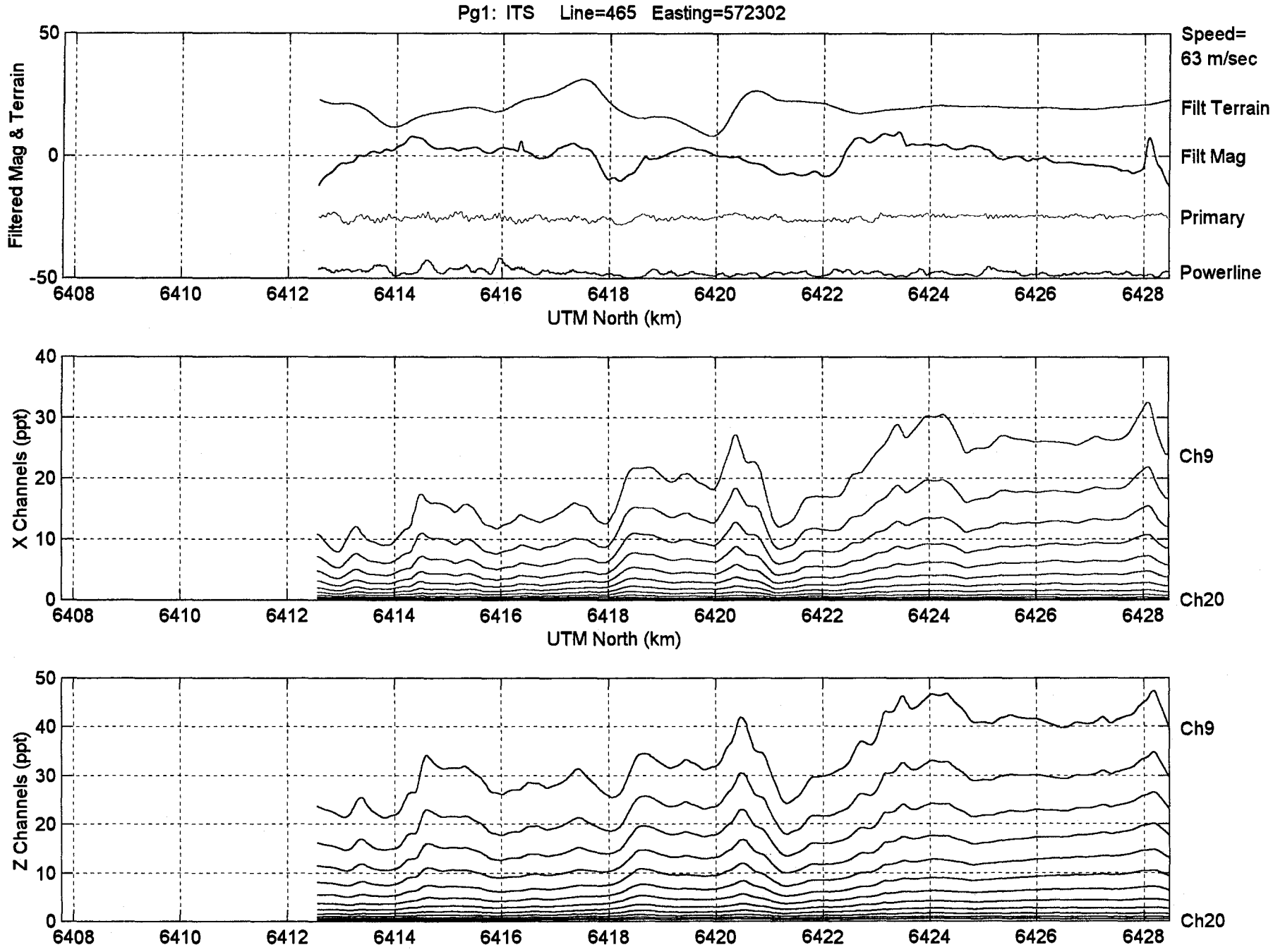

Pg1: ITS Line=460 Easting=571304
Filtered Mag & Terrain
50
0
-50
L3
Speed=
-62 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20

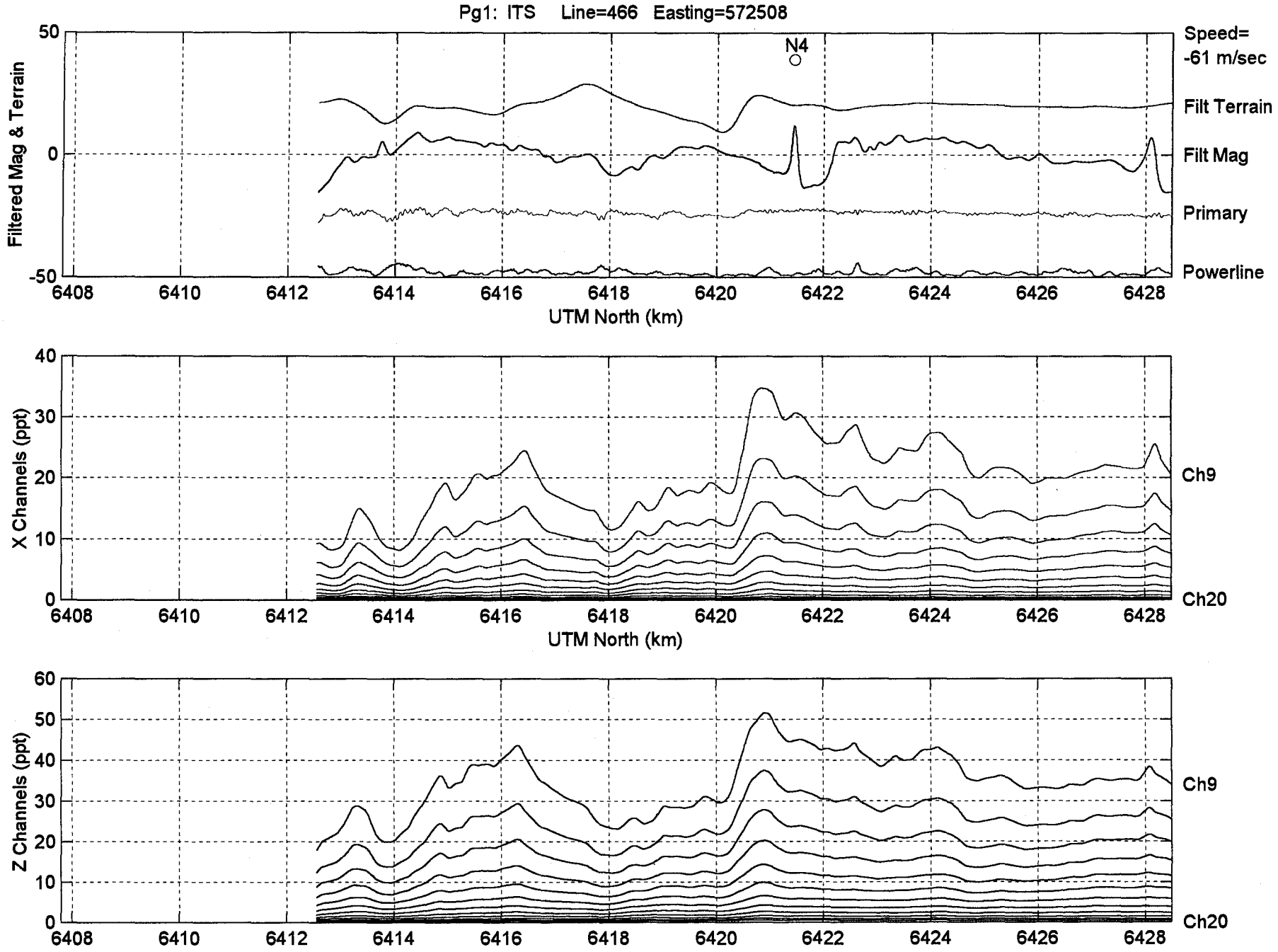

Pg1: ITS Line=461 Easting=571500
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
62 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)

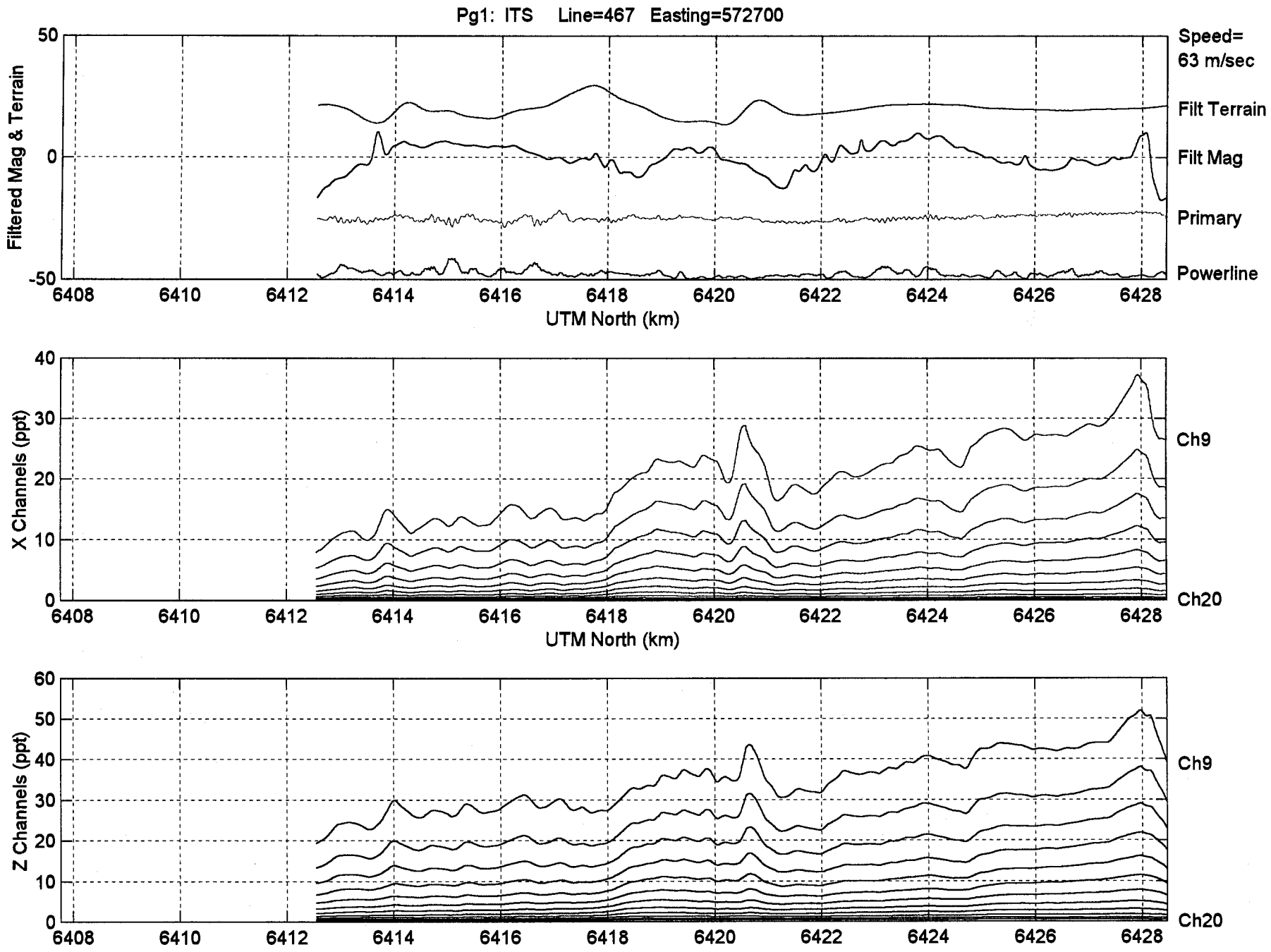

Pg1: ITS Line=462 Easting=571707
Filtered Mag & Terrain
50
0
-50
M2
Speed=
-62 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20

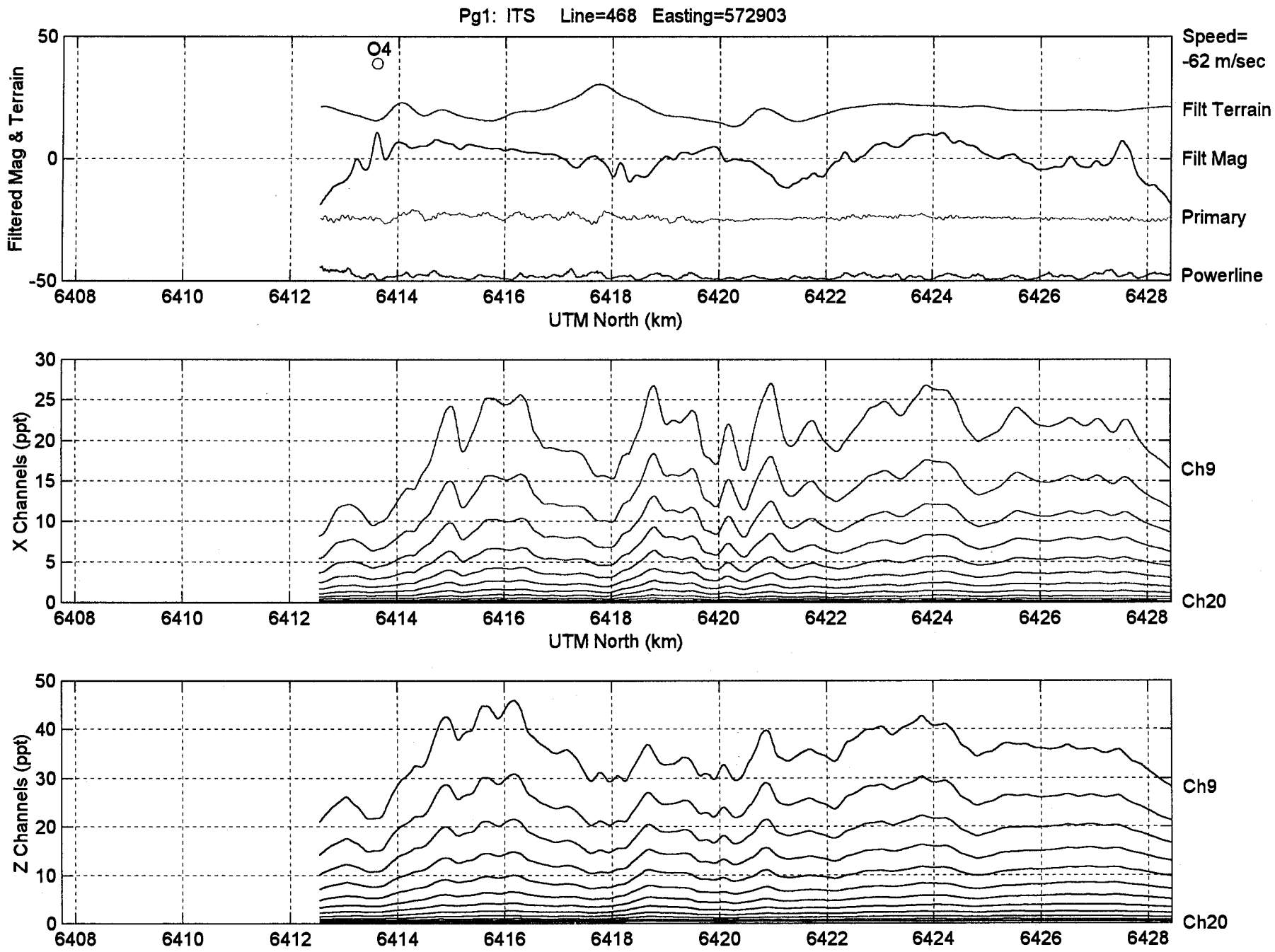

Pg1: ITS Line=463 Easting=571906
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
62 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
60
50
40
30
20
10
0
Ch9
Ch20

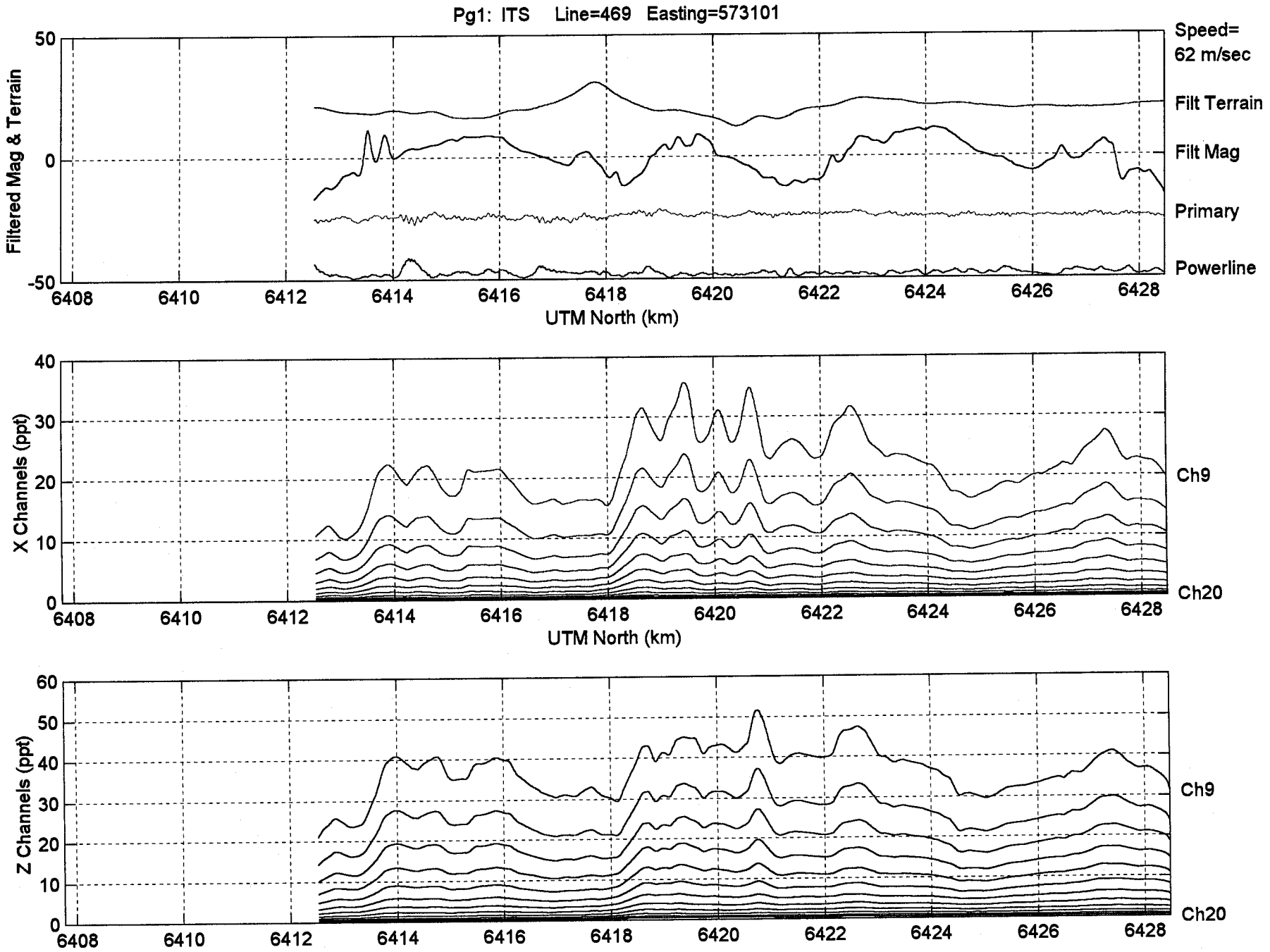

Pg1: ITS Line=464 Easting=572104
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
-62 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
40
30
20
10
Ch9
Ch20
Z Channels (ppt)
60

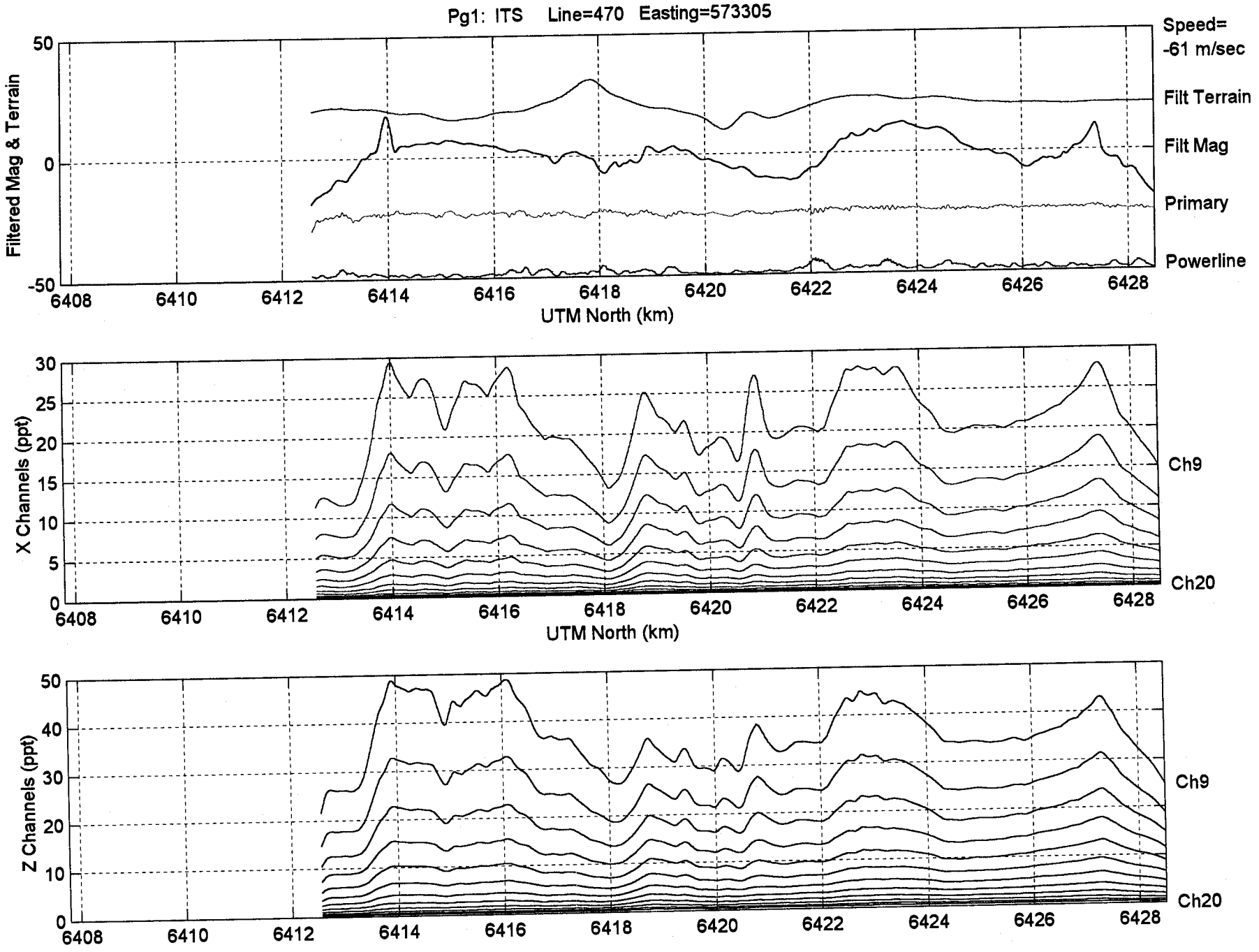

Pg1: ITS Line=465 Easting=572302
Filtered Mag & Terrain
50
0
-50
Speed=
63 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
Ch9
Ch20

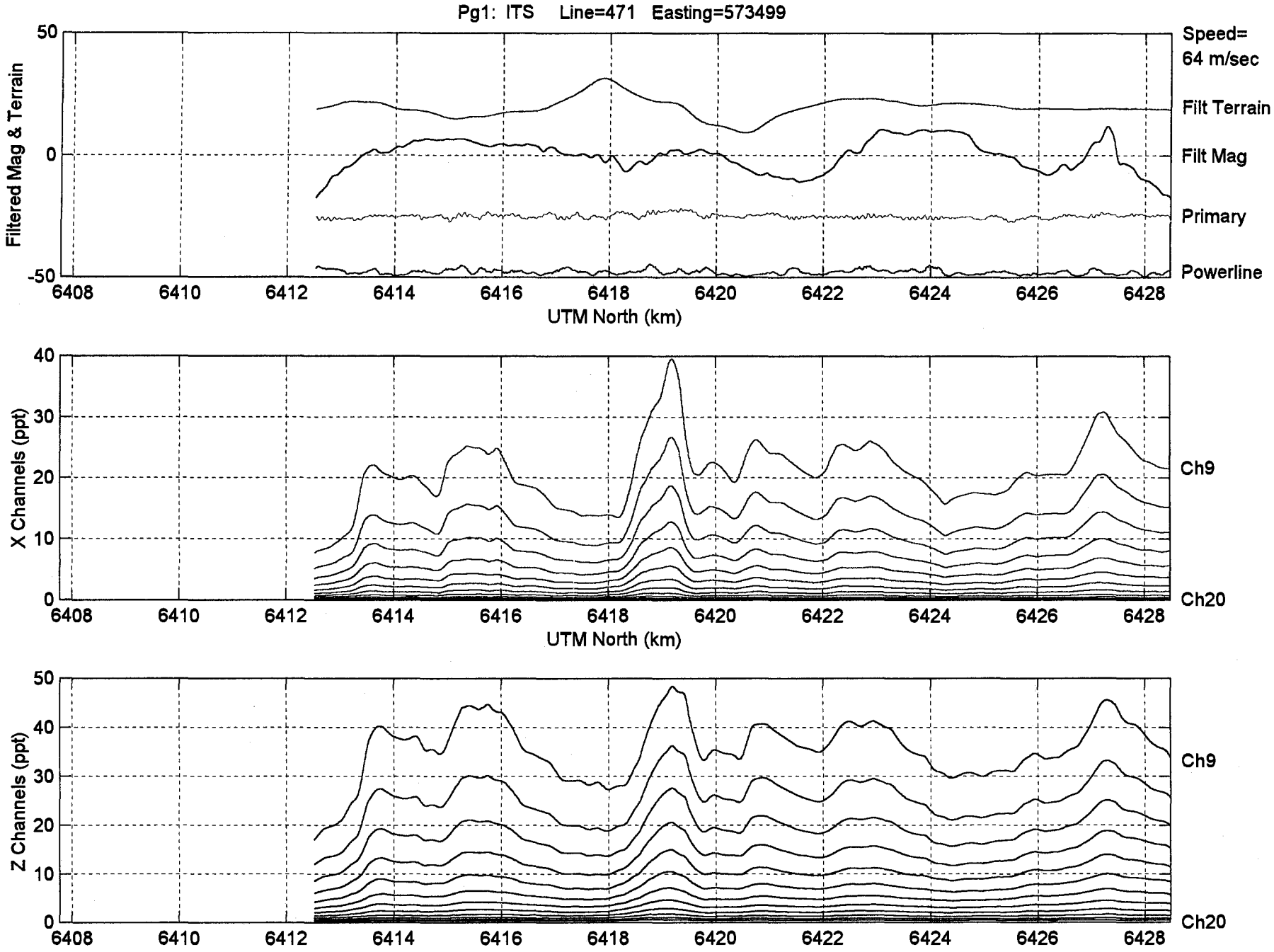

Pg1: ITS Line=466 Easting=572508
Filtered Mag & Terrain
50
0
-50
N4
Speed=
-61 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
60
50
40
30
20
10
0
Ch9
Ch20

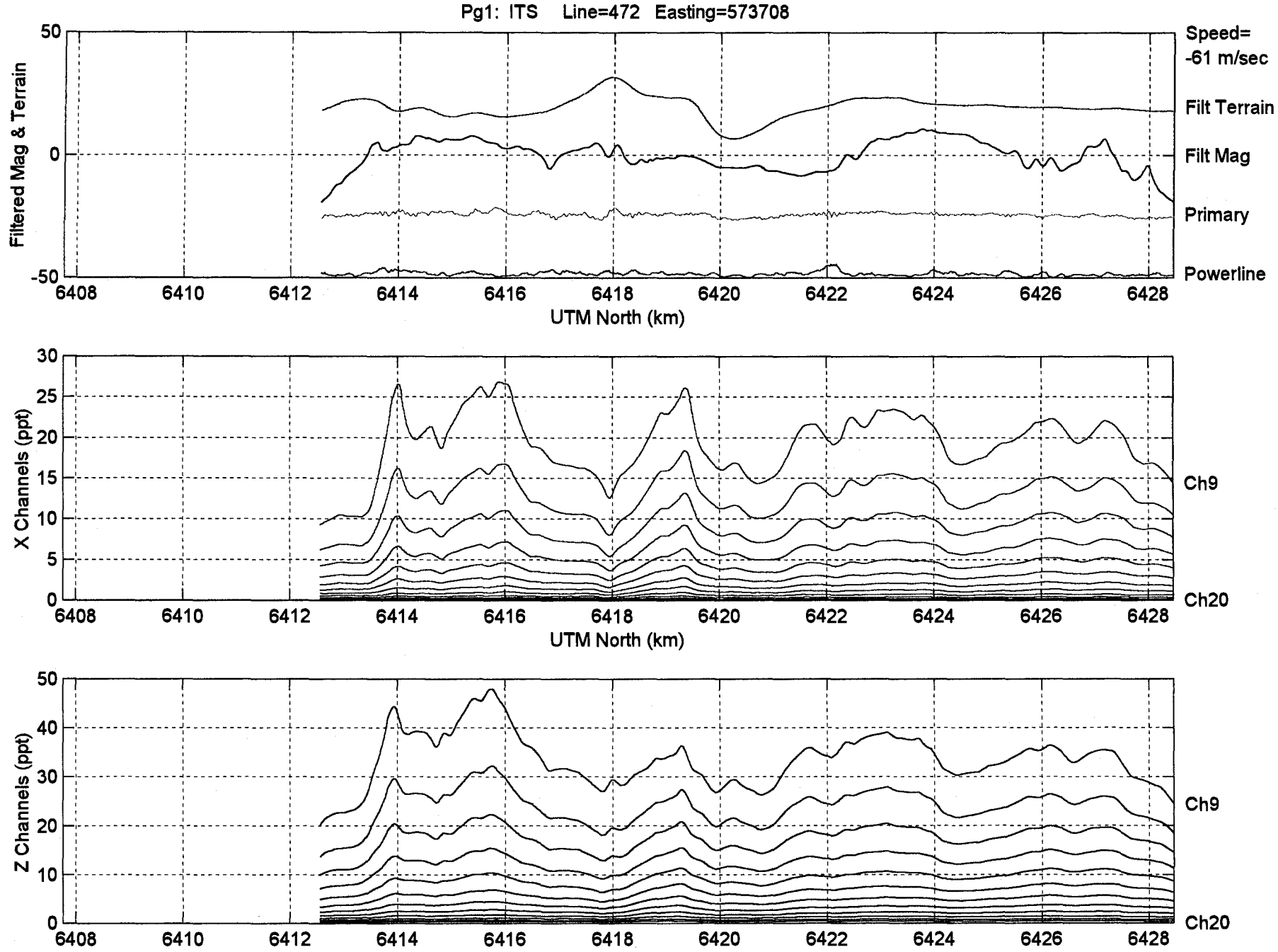

Pg1: ITS Line=467 Easting=572700
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
63 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)
60
50
40
30
20
10
0

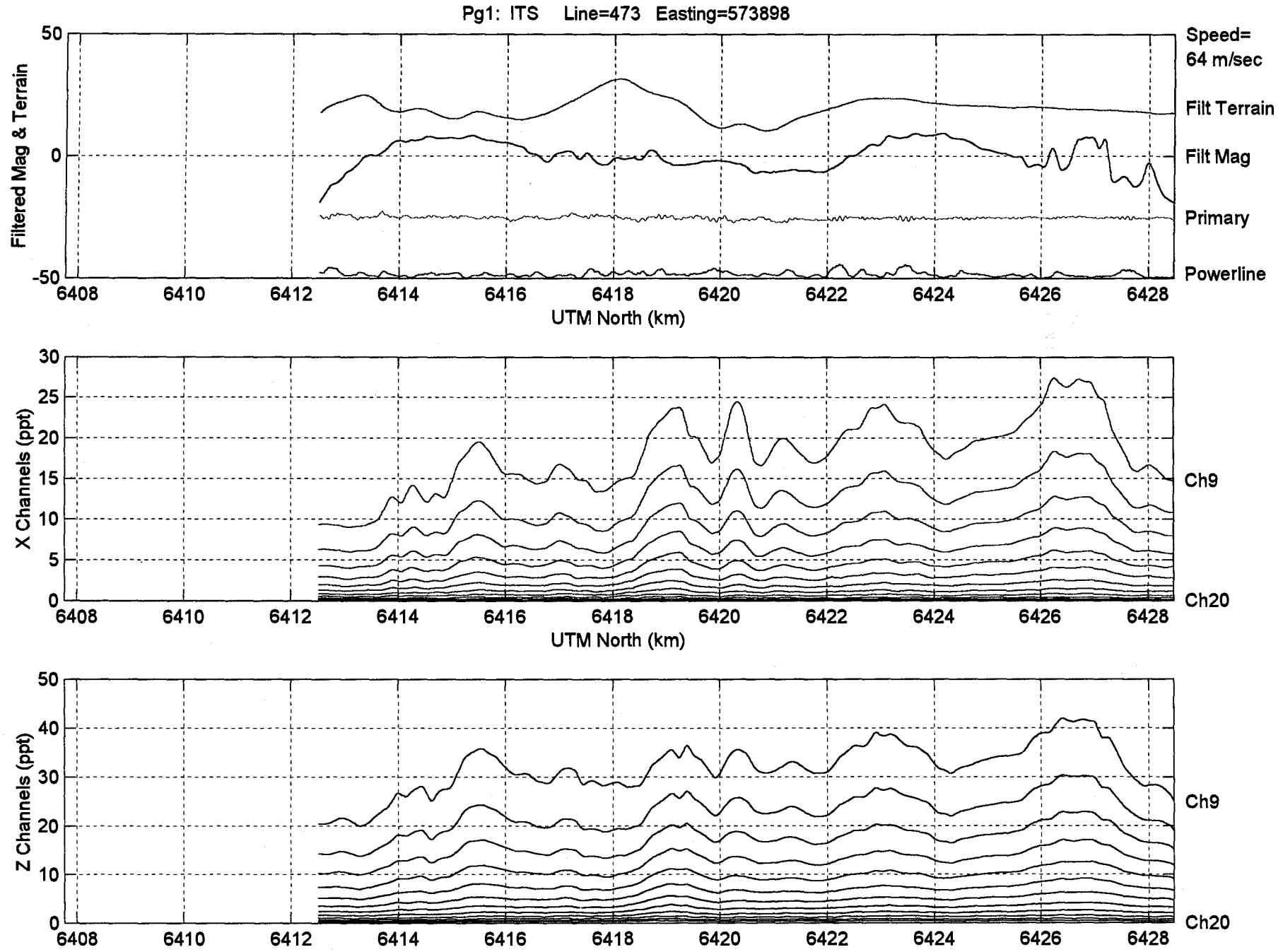

Pg1: ITS Line=468 Easting=572903
Filtered Mag & Terrain
50
0
-50
O4
Speed=
-62 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20

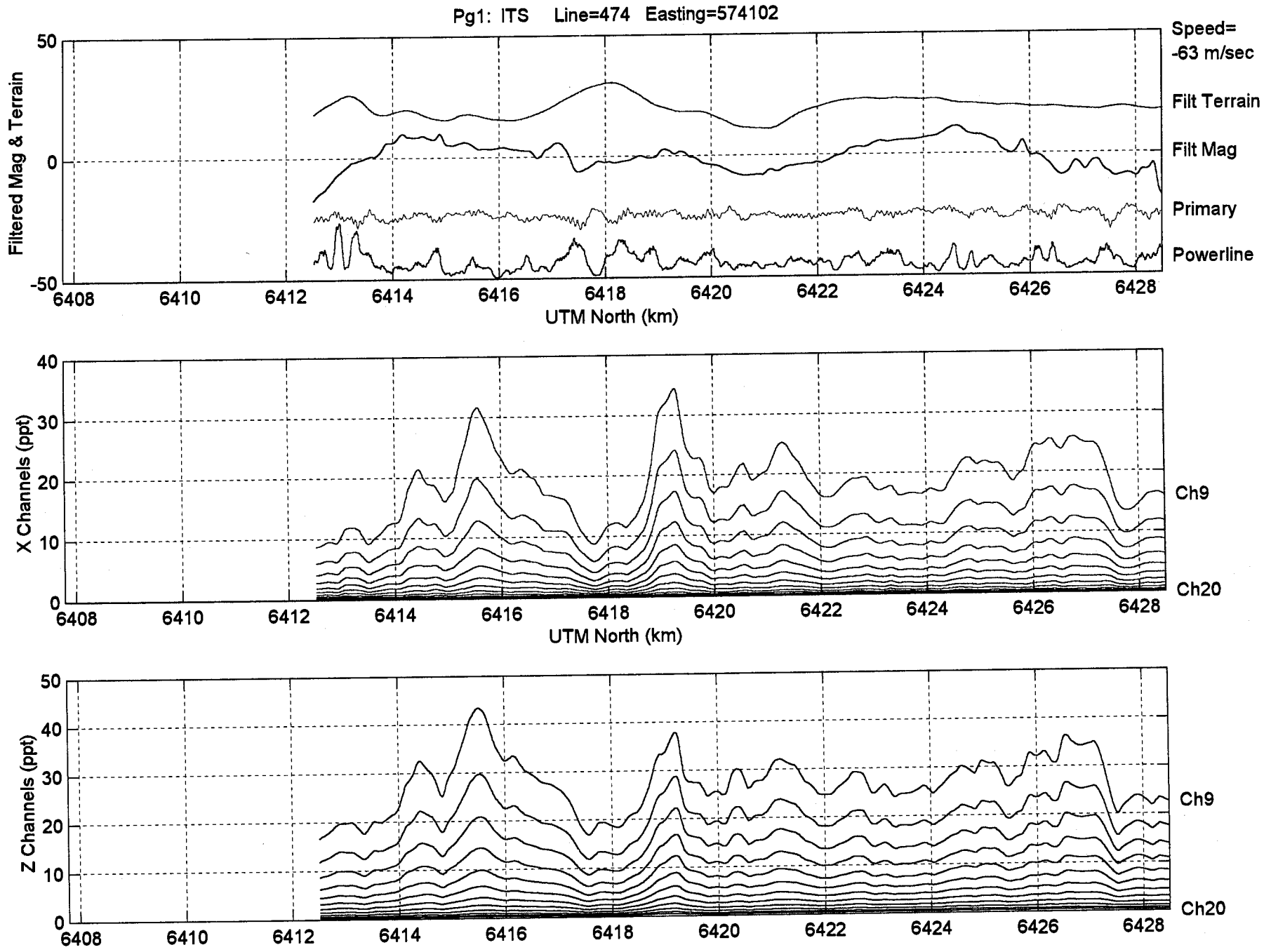

Pg1: ITS Line=469 Easting=573101
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
62 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)
60
50
40
30
20
10
0

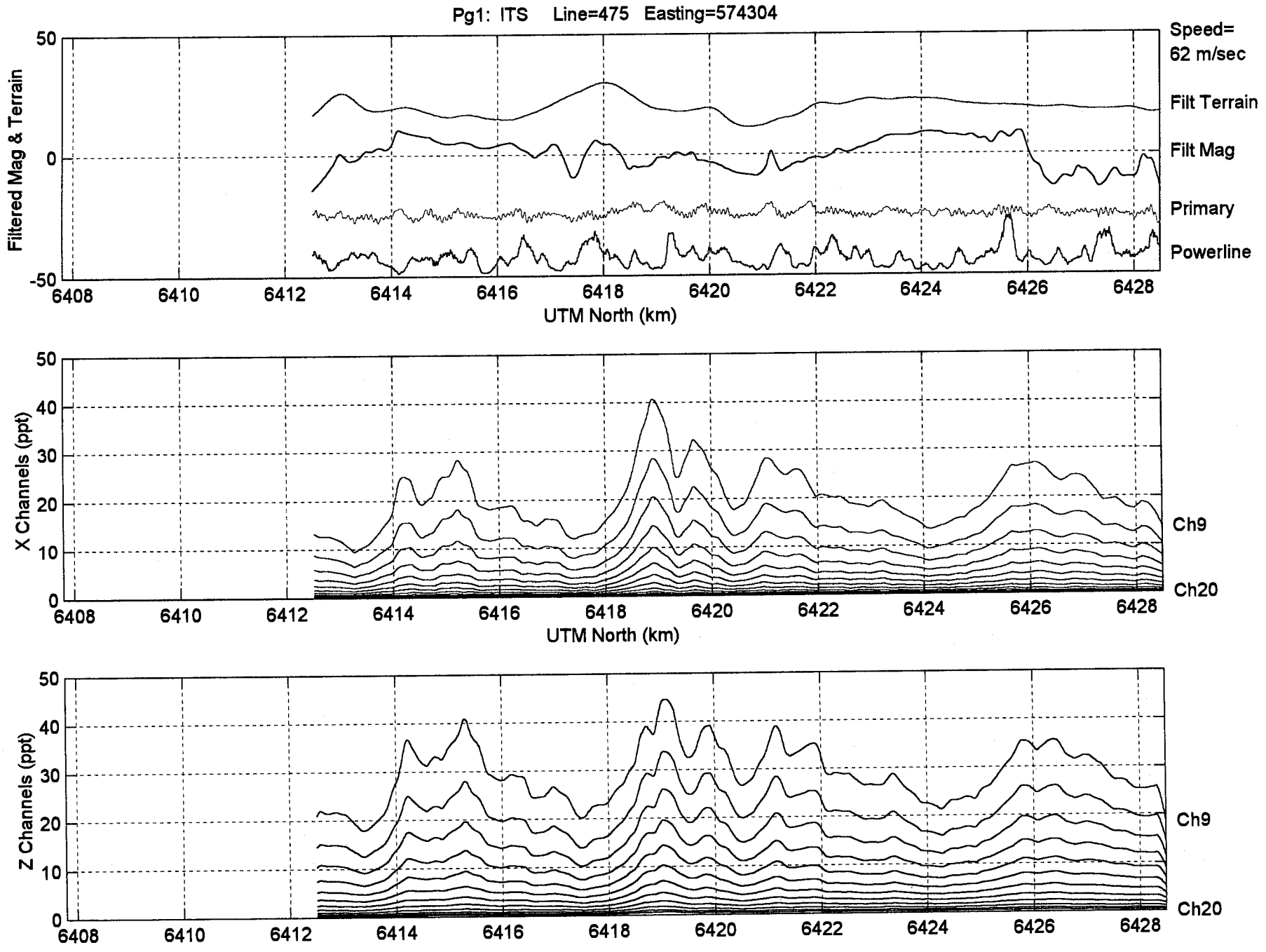

Pg1: ITS Line=470 Easting=573305
Speed=
-61 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20

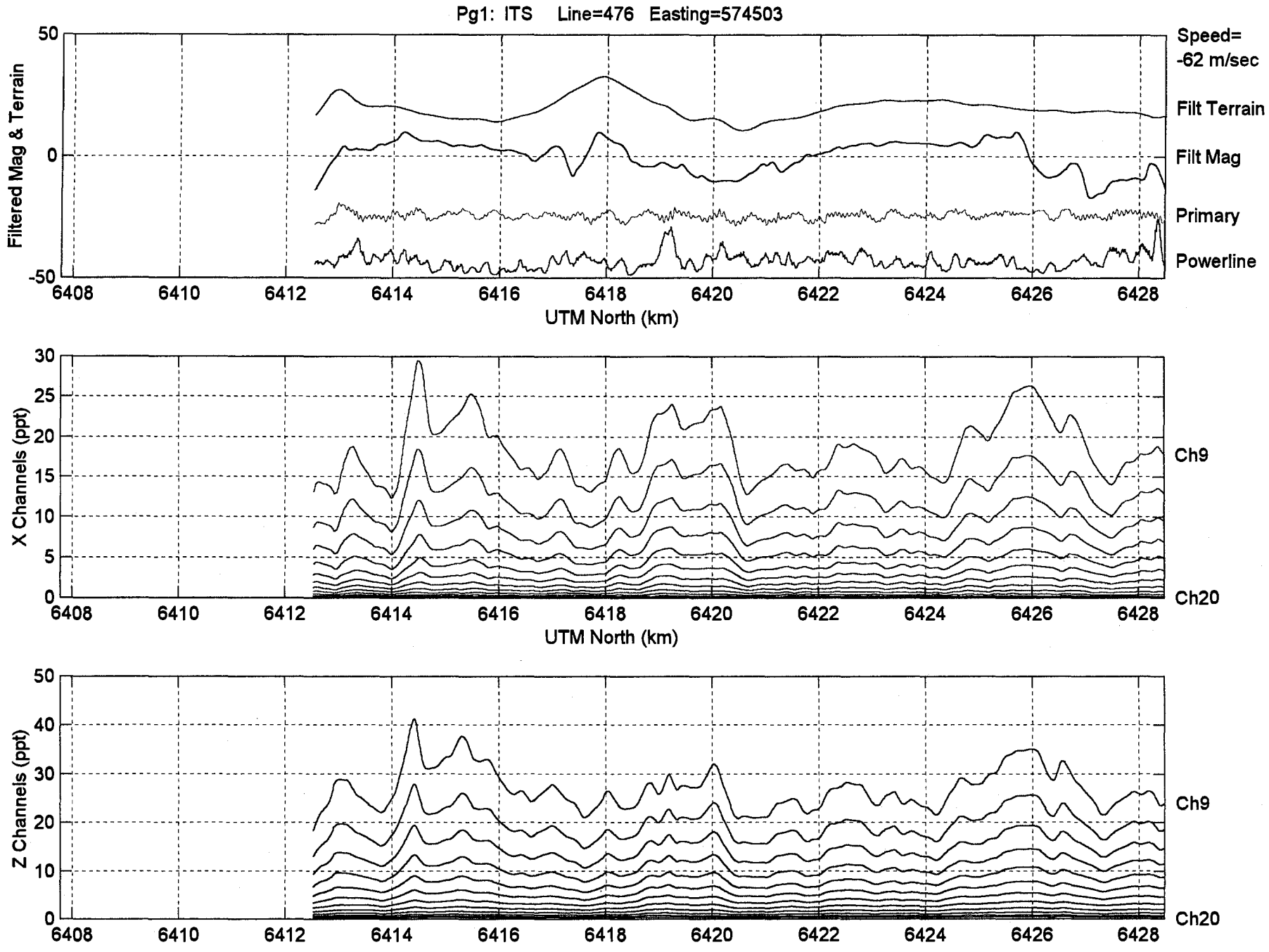

Pg1: ITS Line=471 Easting=573499
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
64 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)

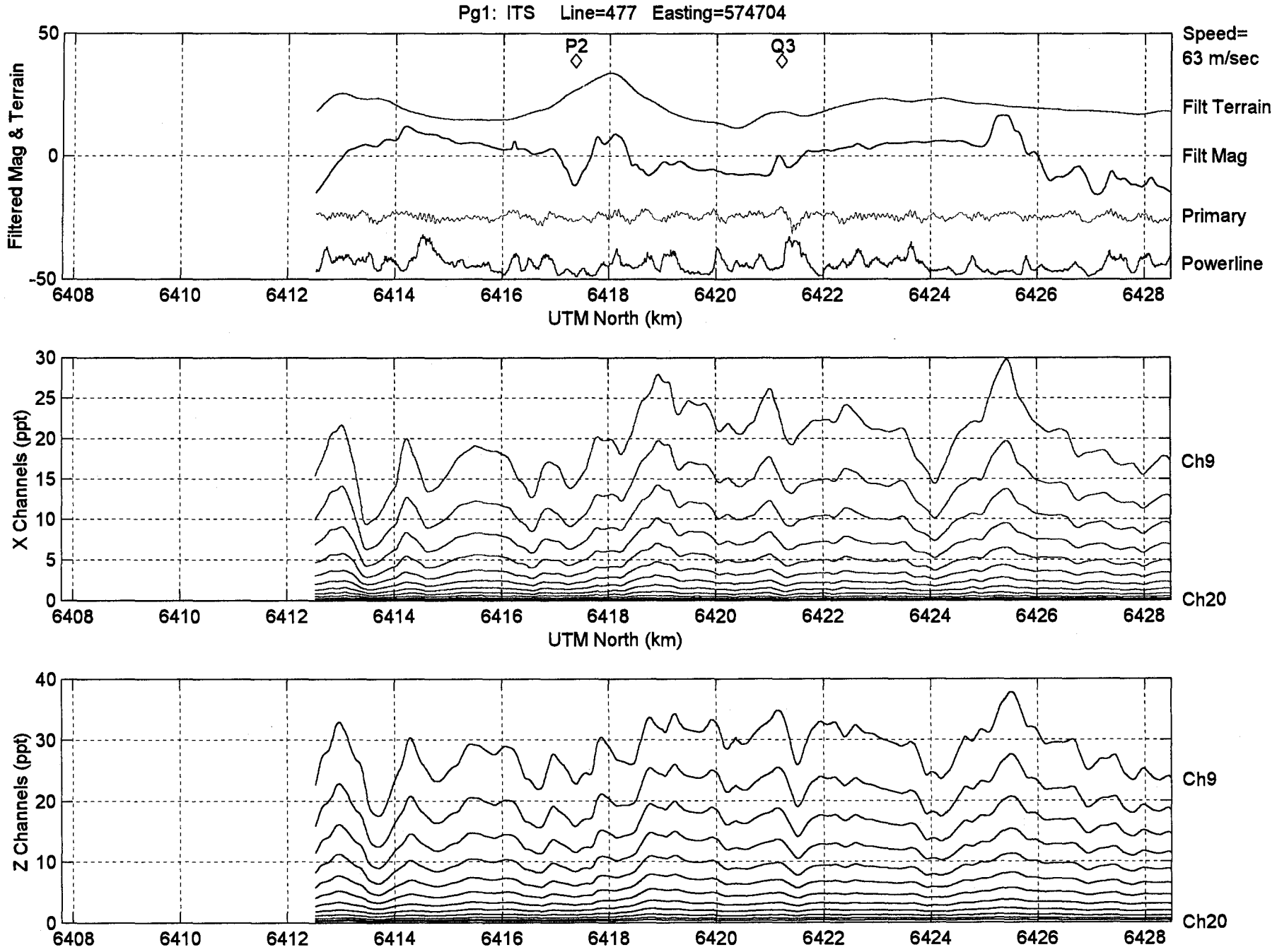

Pg1: ITS Line=472 Easting=573708
Filtered Mag & Terrain
50
0
-50
Speed=
-61 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20

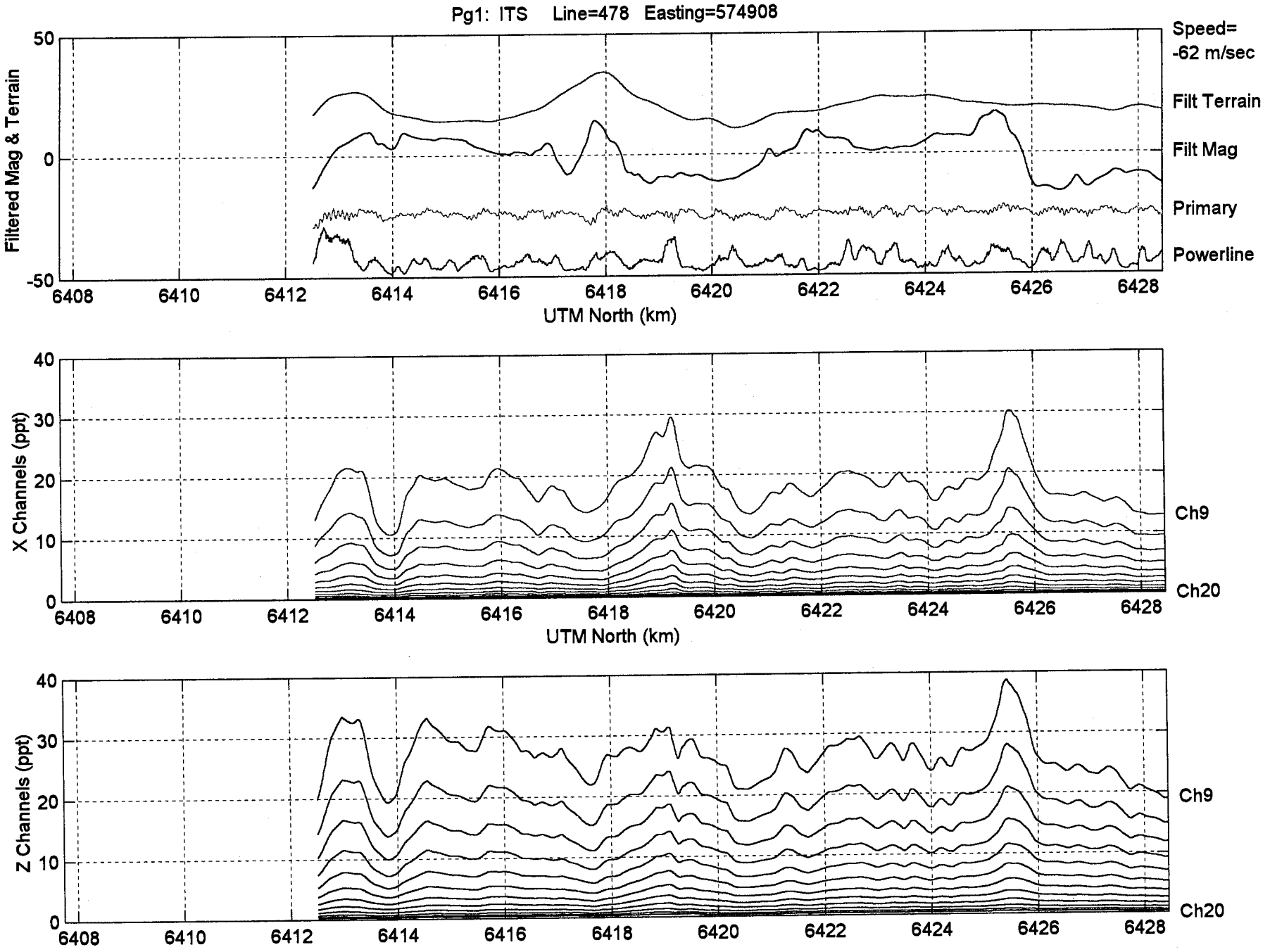

Pg1: ITS Line=473 Easting=573898
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
64 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
40

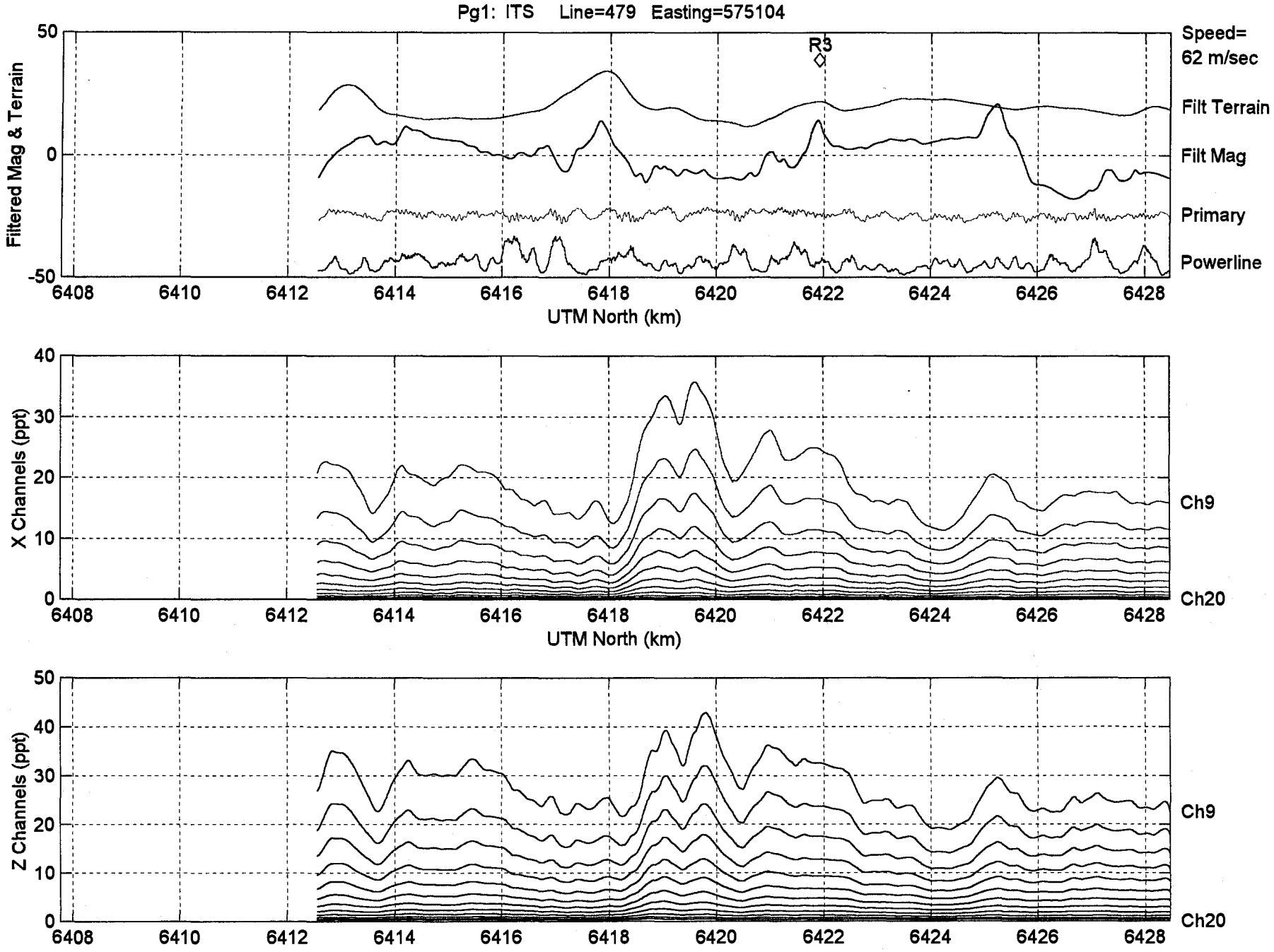

Pg1: ITS Line=474 Easting=574102
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
-63 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)

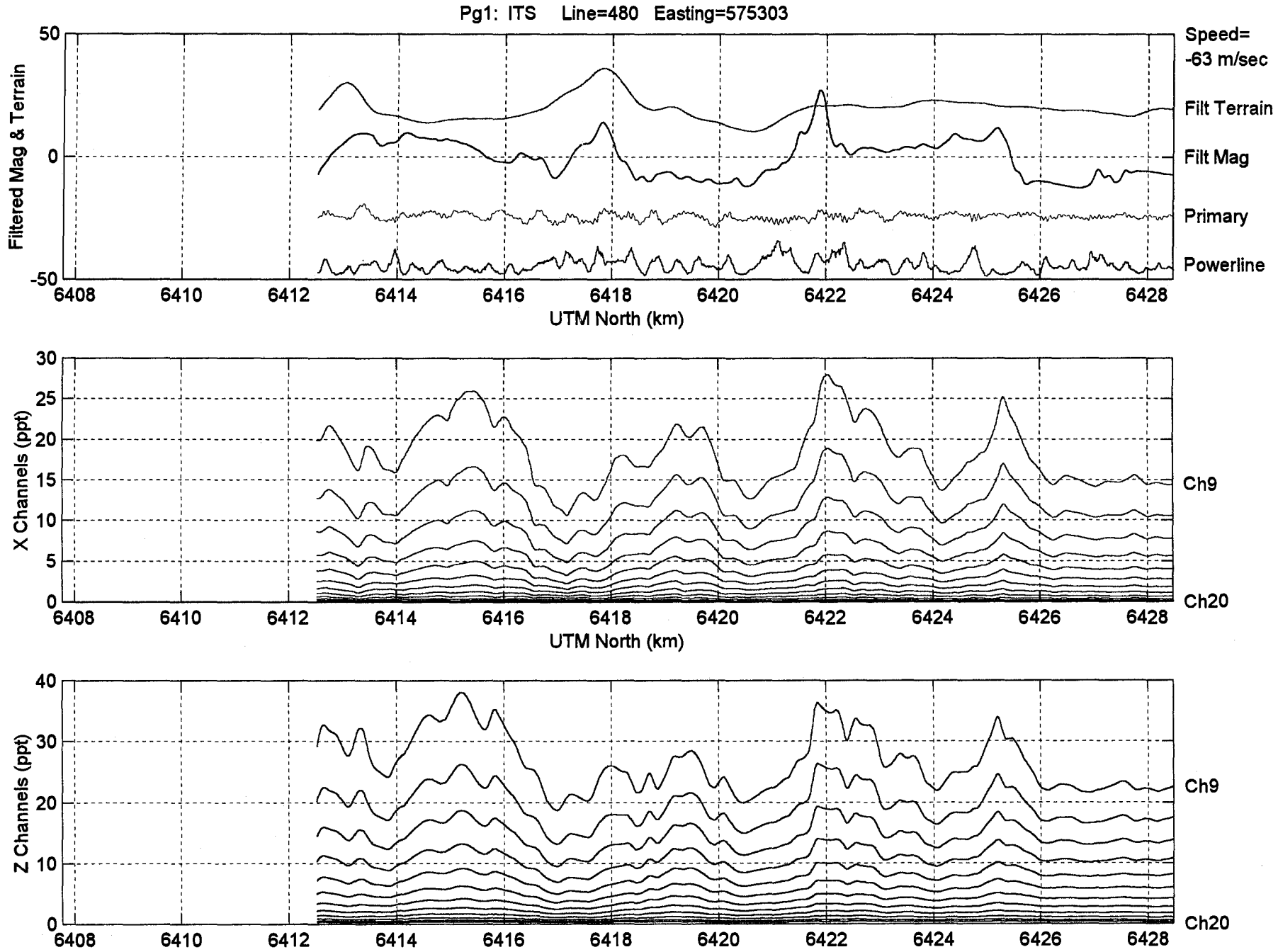

Pg1: ITS Line=475 Easting=574304
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
62 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)

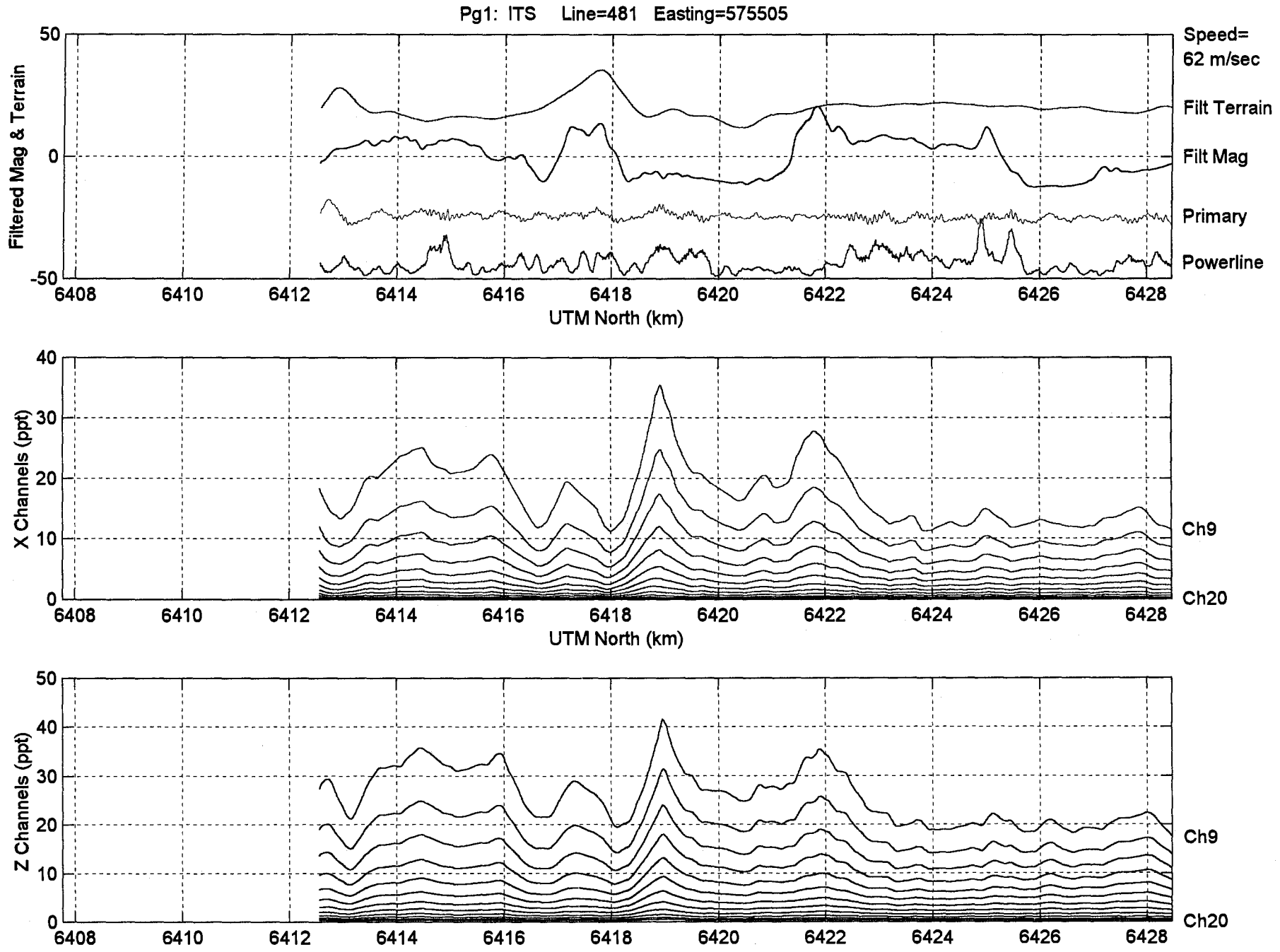

Pg1: ITS Line=476 Easting=574503
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
-62 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
50
40
30
20
10
0

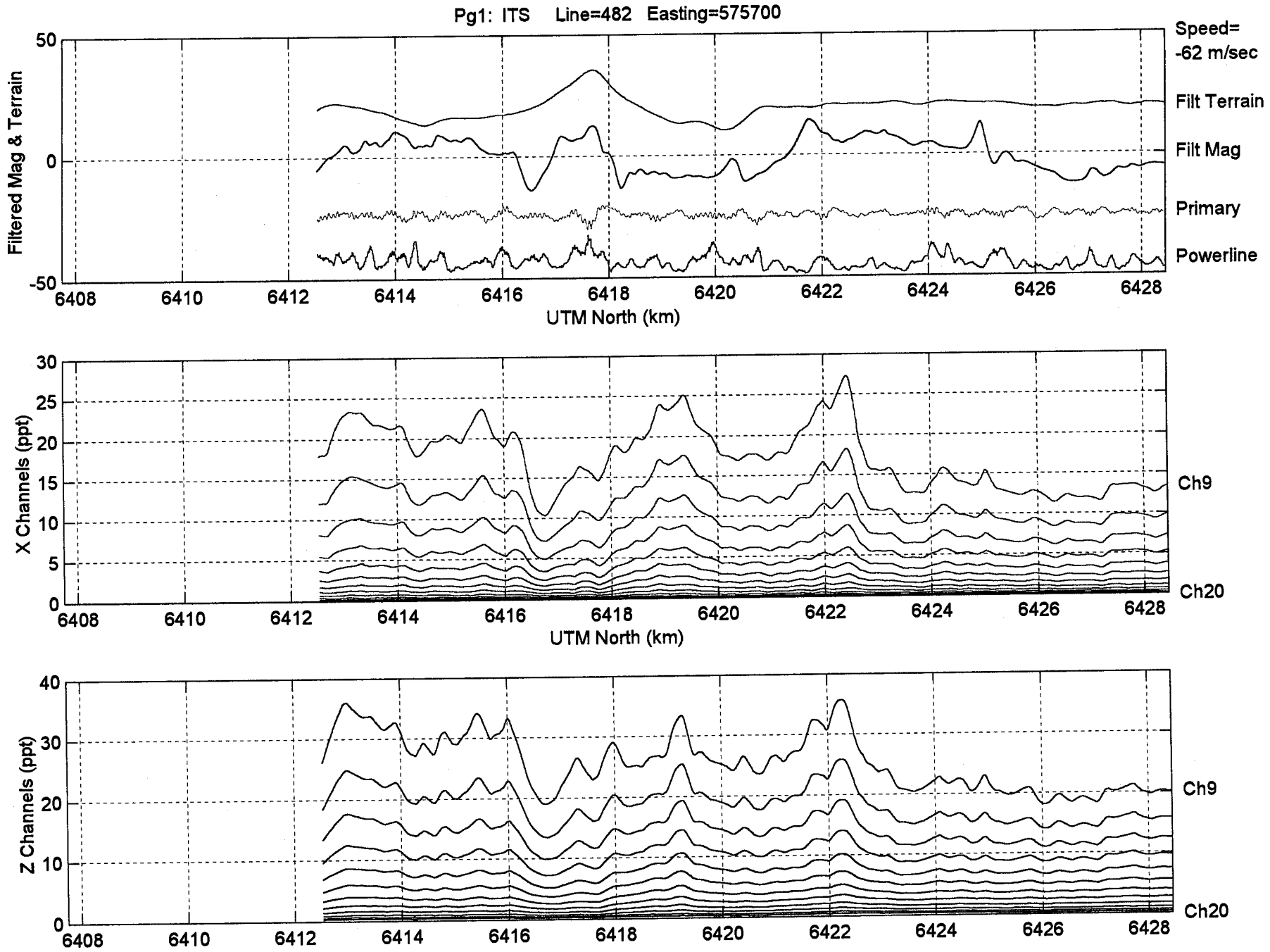

Pg1: ITS Line=477 Easting=574704
P2
Q3
Speed=
63 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

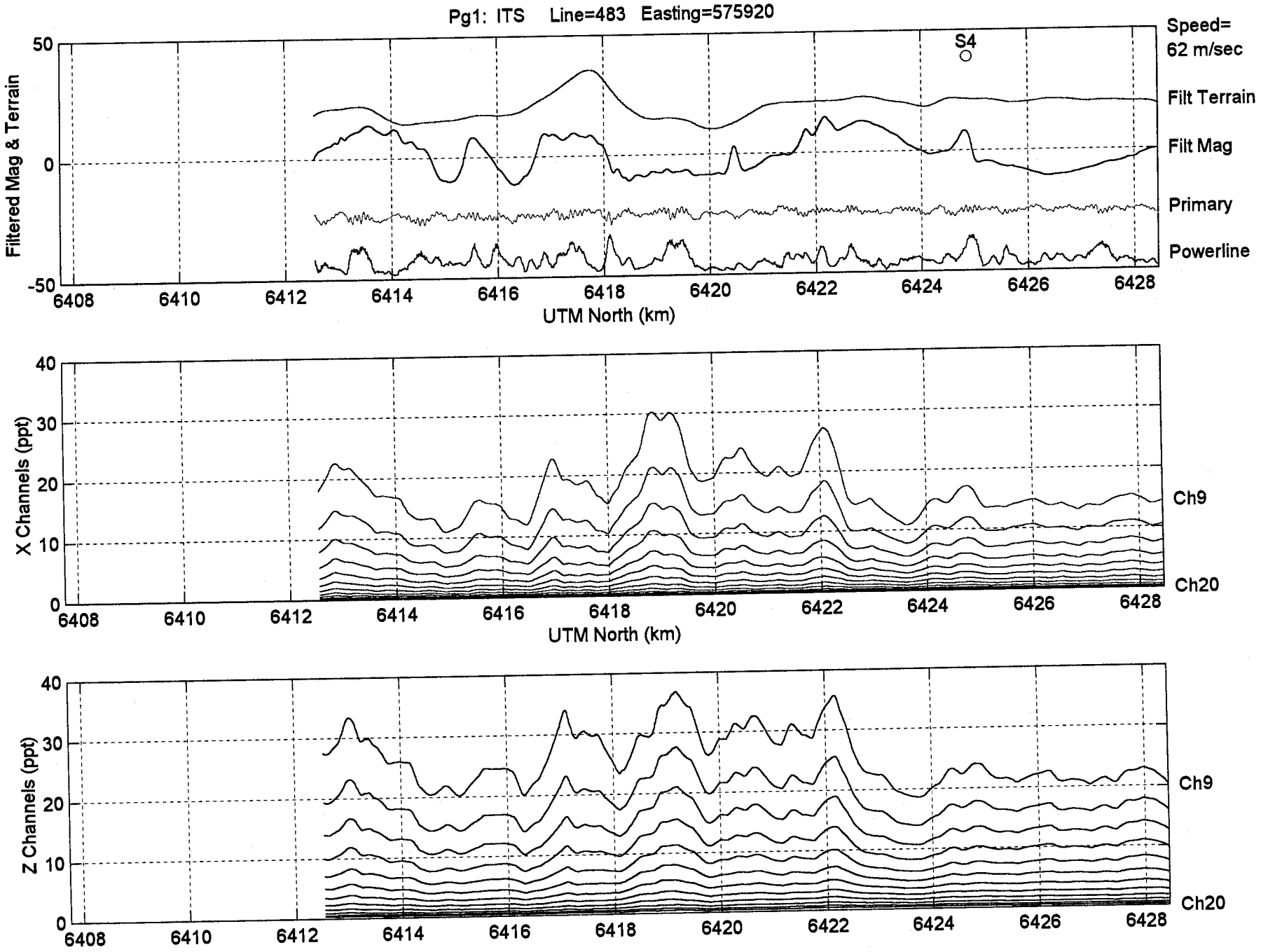

Pg1: ITS Line=478 Easting=574908
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
-62 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)

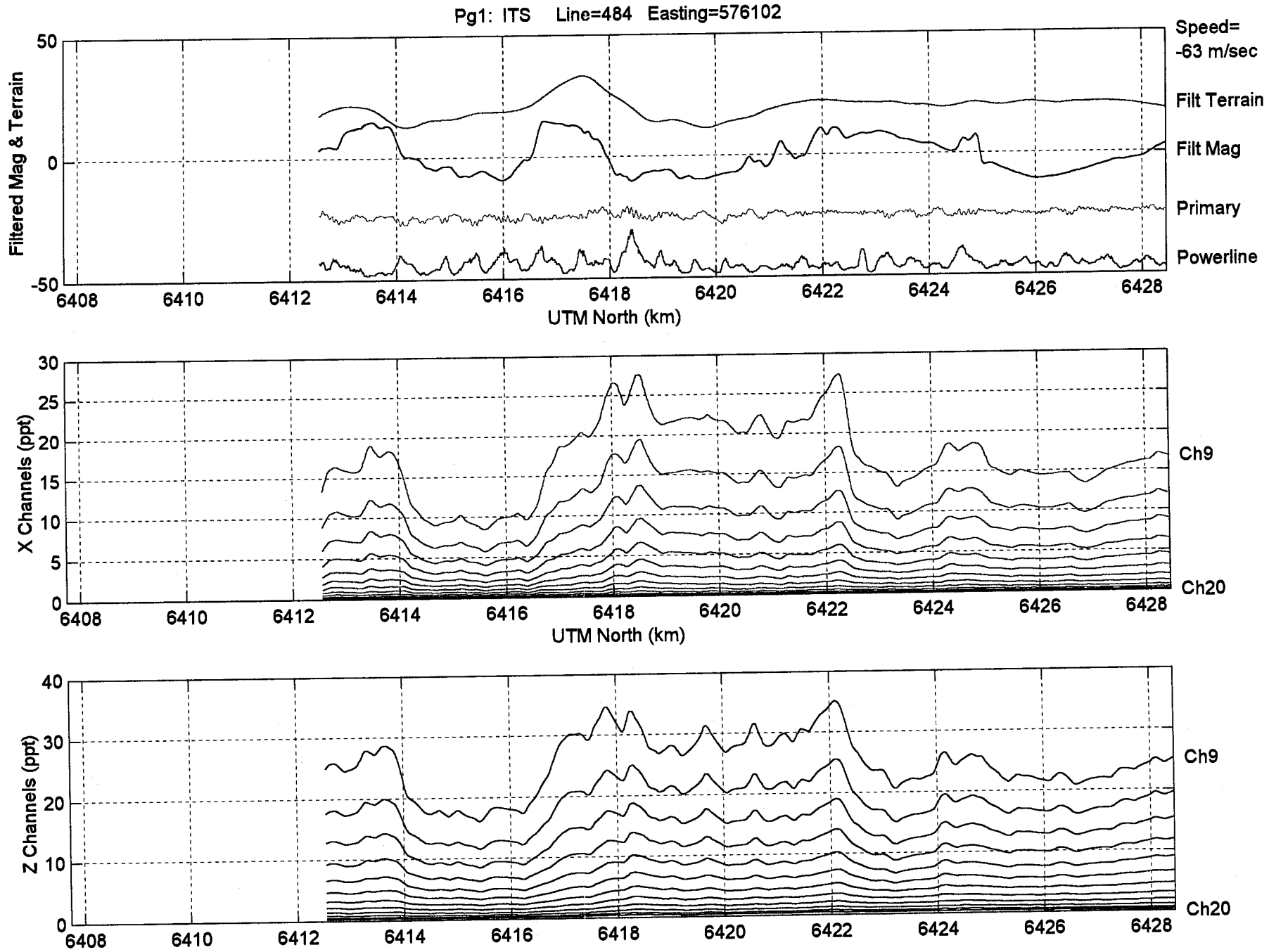

Pg1: ITS Line=479 Easting=575104
Filtered Mag & Terrain
50
0
-50
R3
Speed=
62 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20

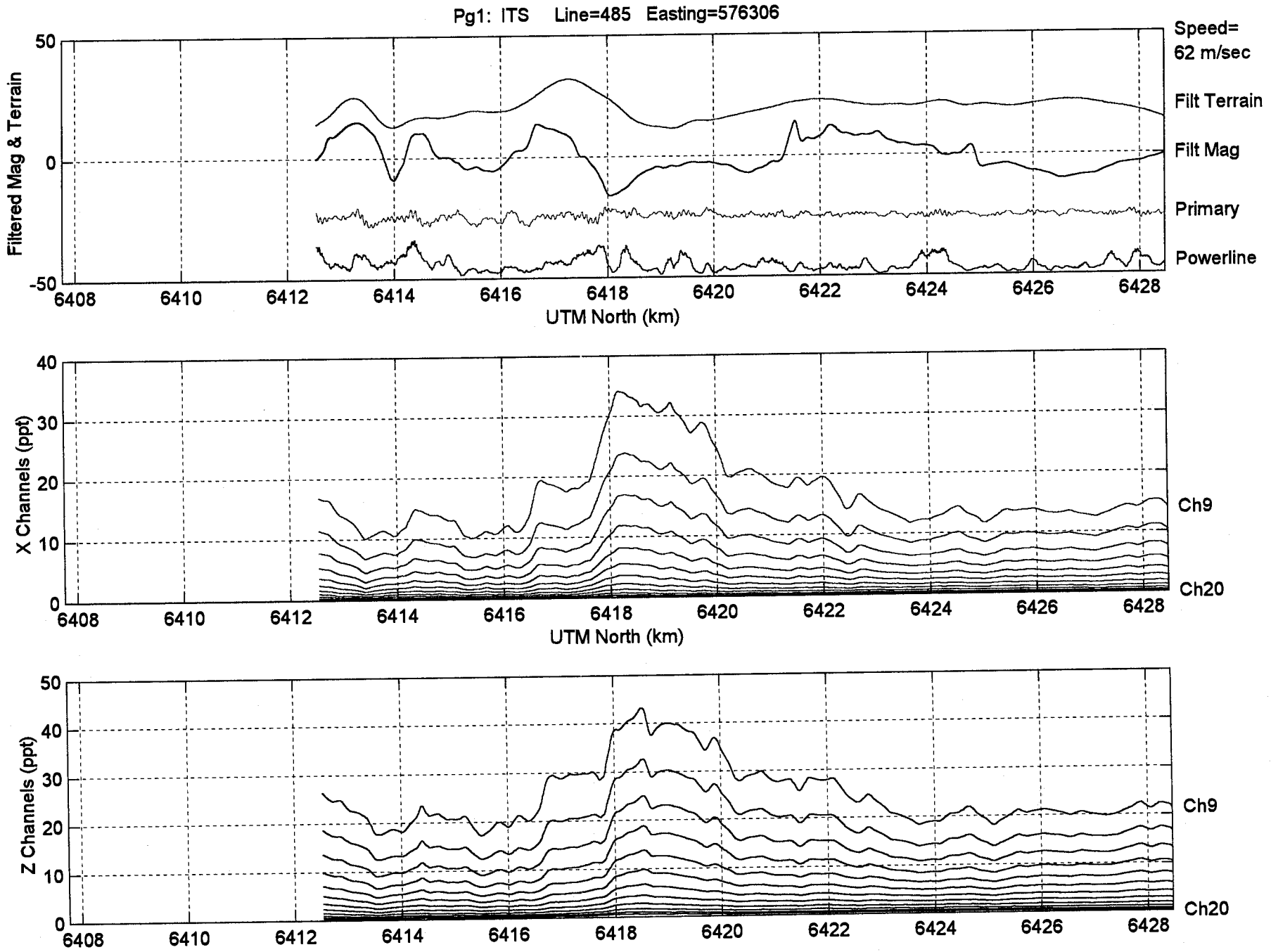

Pg1: ITS Line=480 Easting=575303
Filtered Mag & Terrain
50
0
-50
Speed=
-63 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

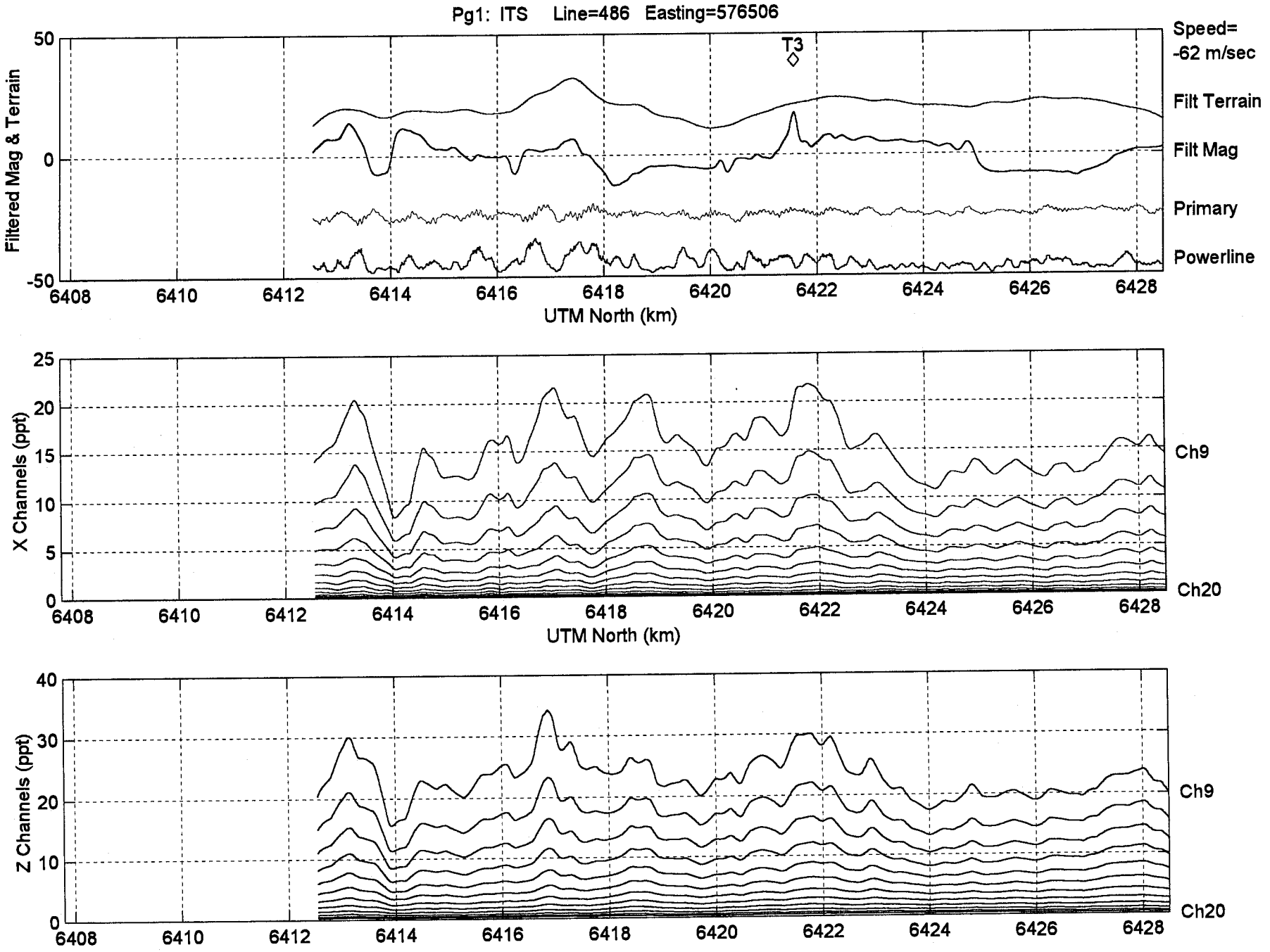

Pg1: ITS Line=481 Easting=575505
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
62 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)

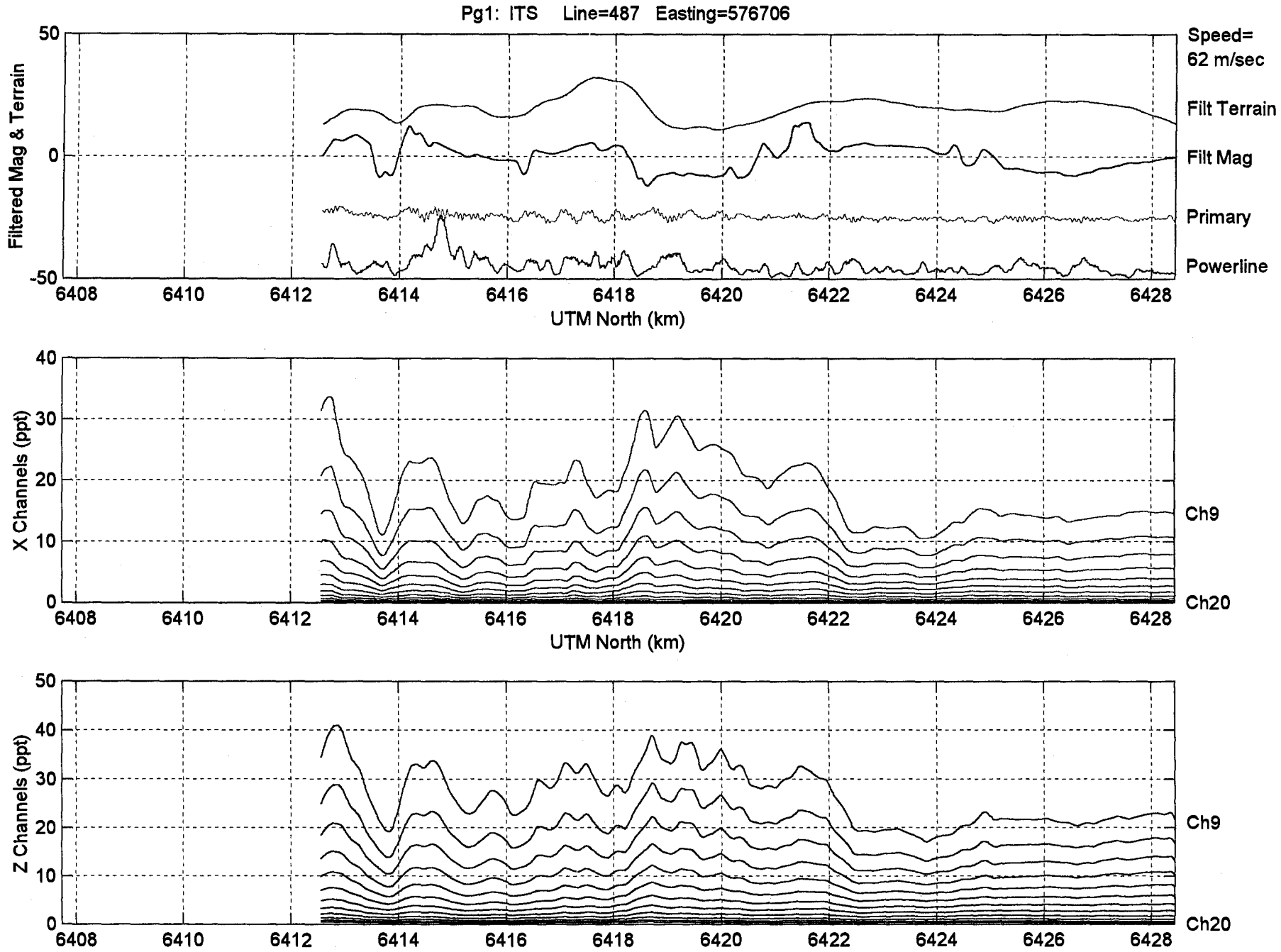

Pg1: ITS Line=482 Easting=575700
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
-62 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

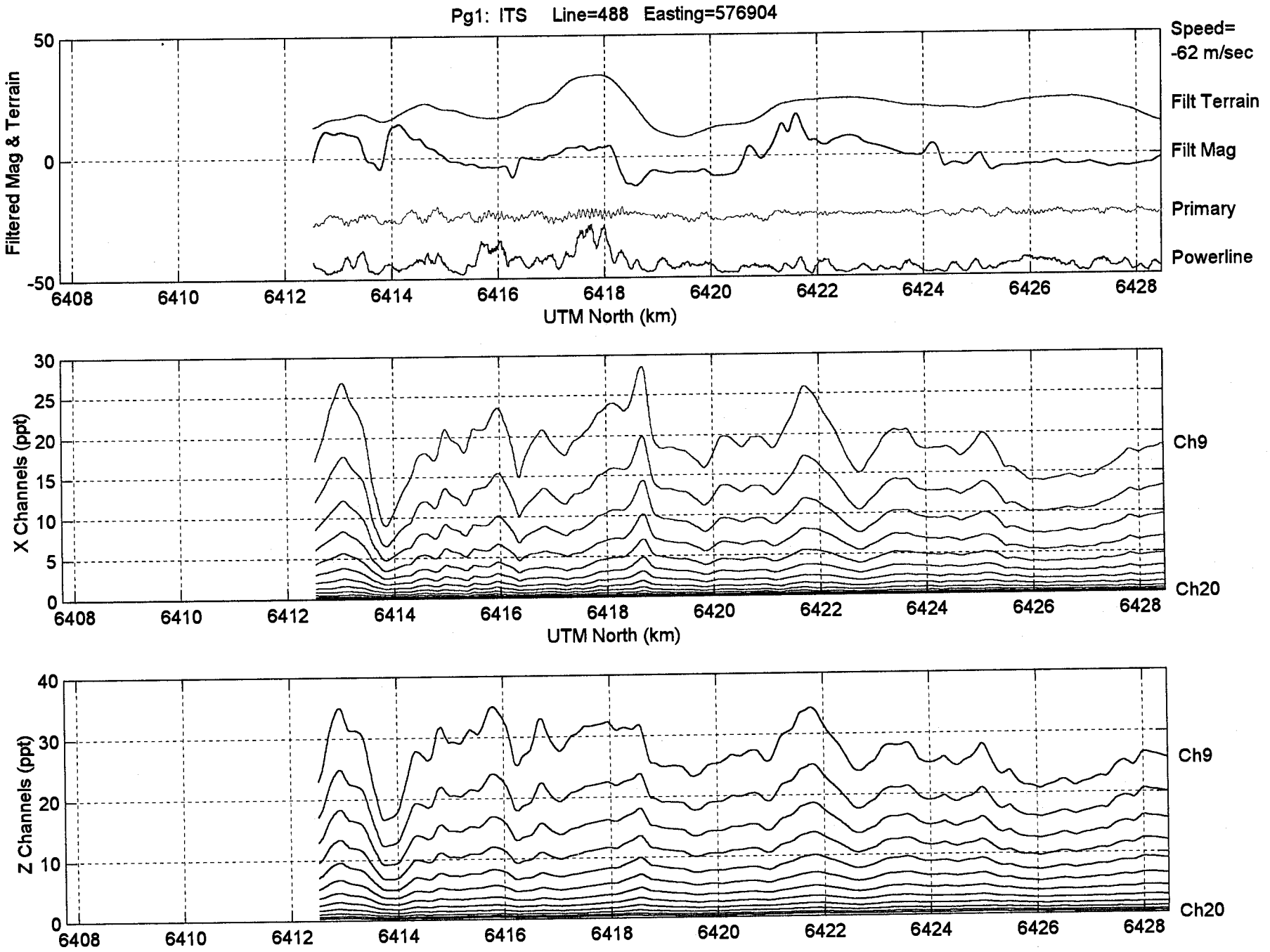

Pg1: ITS Line=483 Easting=575920
Speed=
62 m/sec
S4
Filtered Mag & Terrain
Filt Terrain
Filt Mag
Primary
Powerline
UTM North (km)
X Channels (ppt)
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
Ch9
Ch20

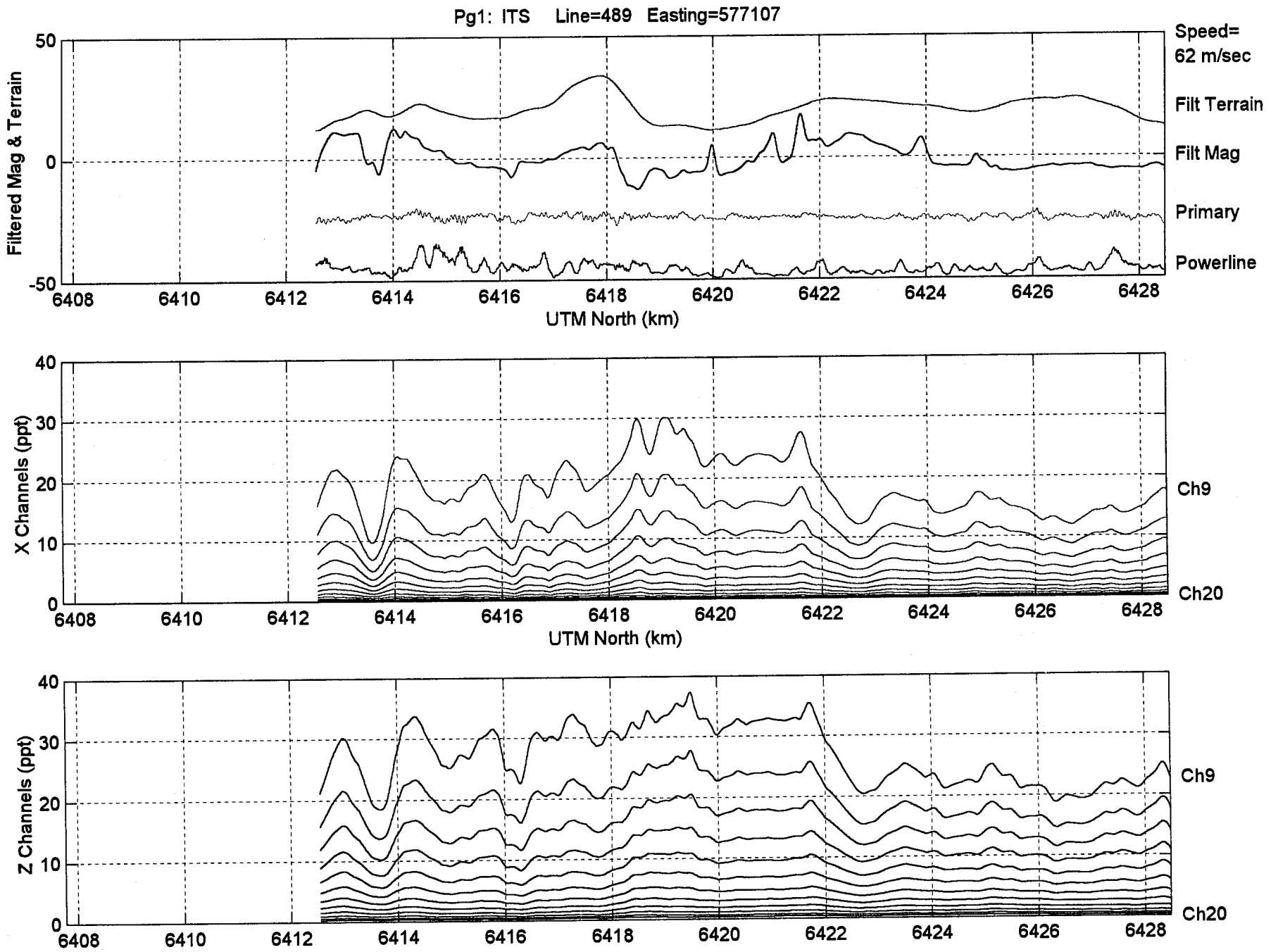

Pg1: ITS Line=484 Easting=576102
Speed=
-63 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

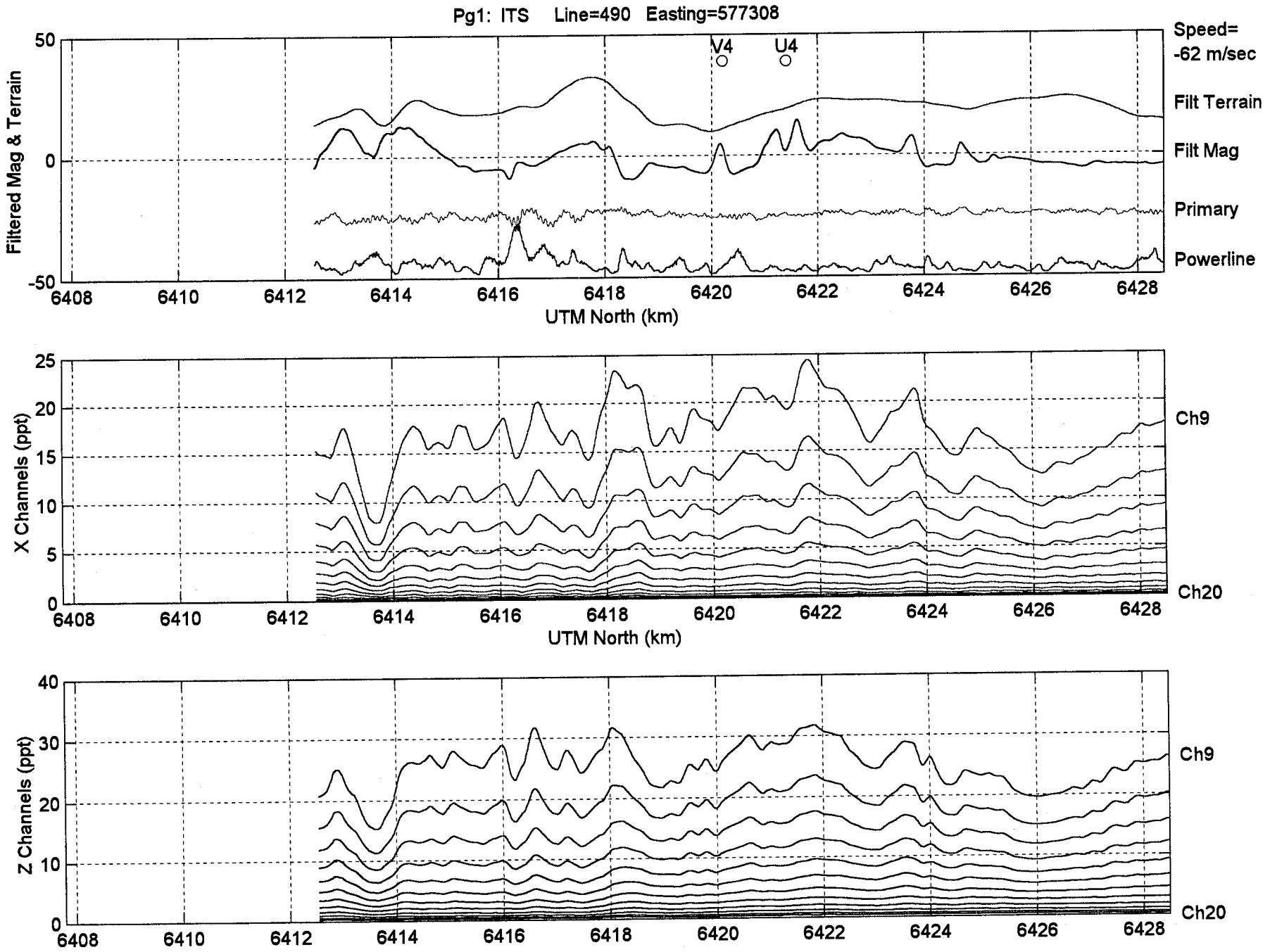

Pg1: ITS Line=485 Easting=576306
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
62 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)

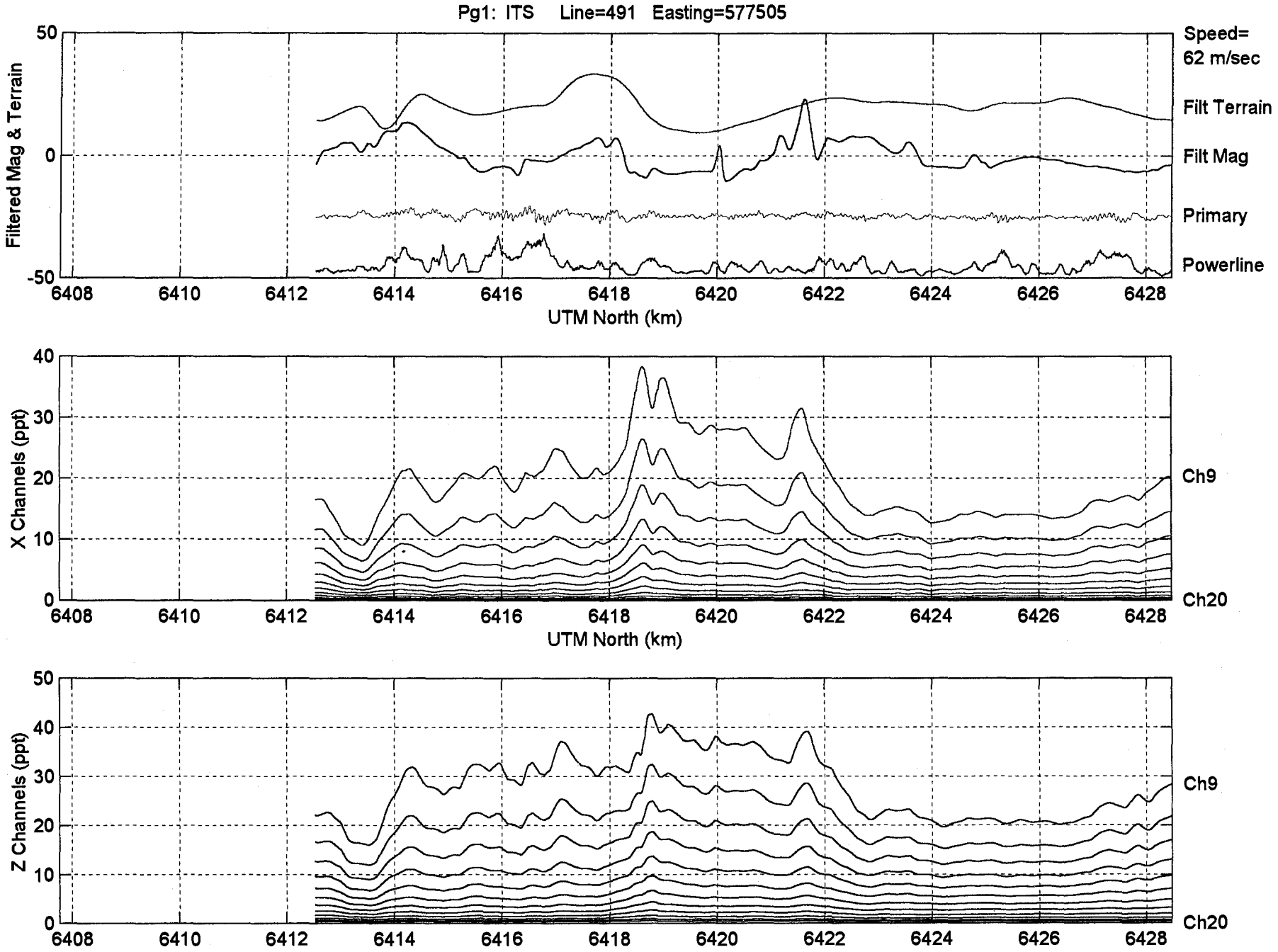

Pg1: ITS Line=486 Easting=576506
Speed=
-62 m/sec
T3
Filtered Mag & Terrain
50
0
-50
Filt Terrain
Filt Mag
Primary
Powerline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

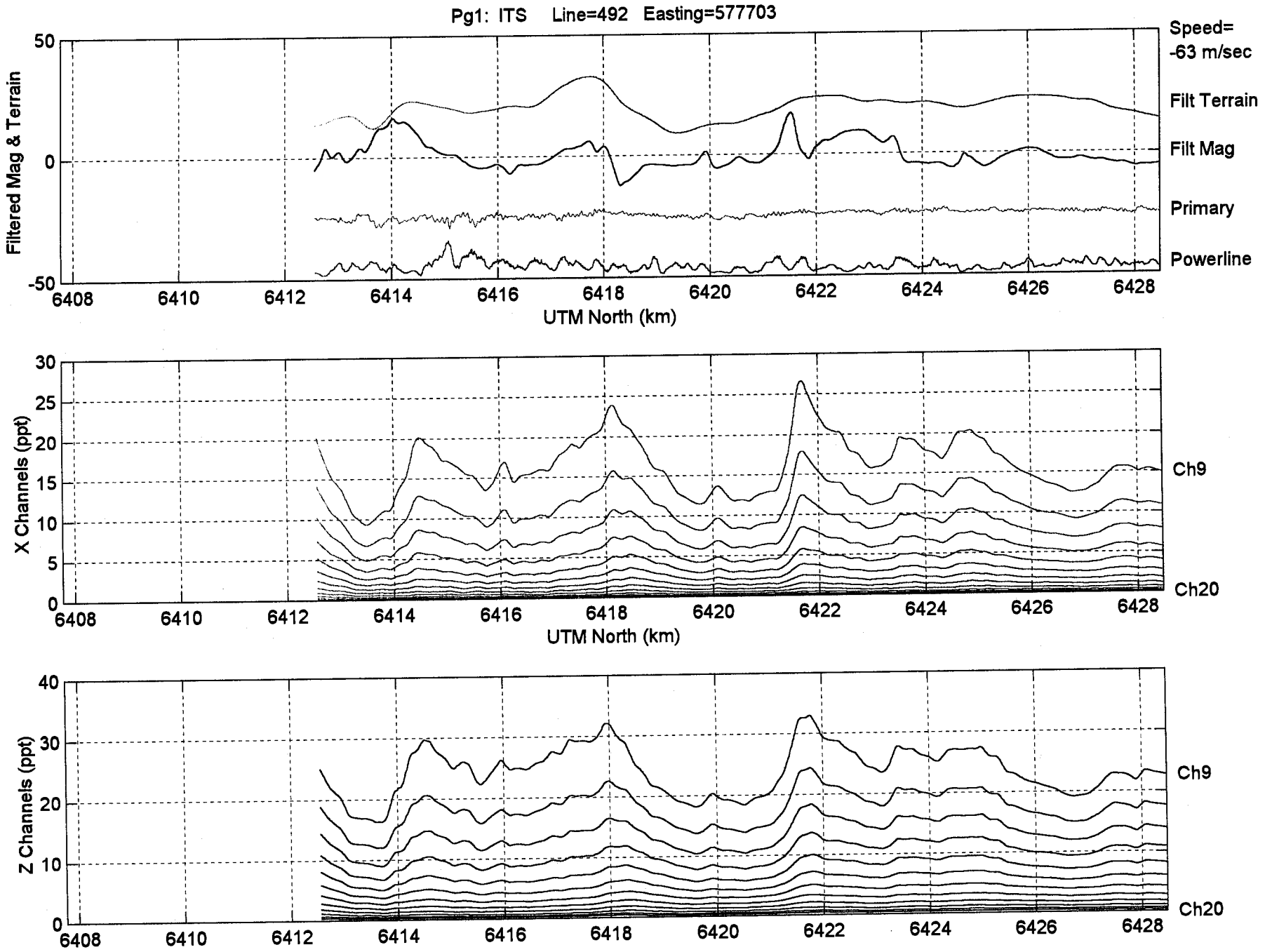

Pg1: ITS Line=487 Easting=576706
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
62 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)

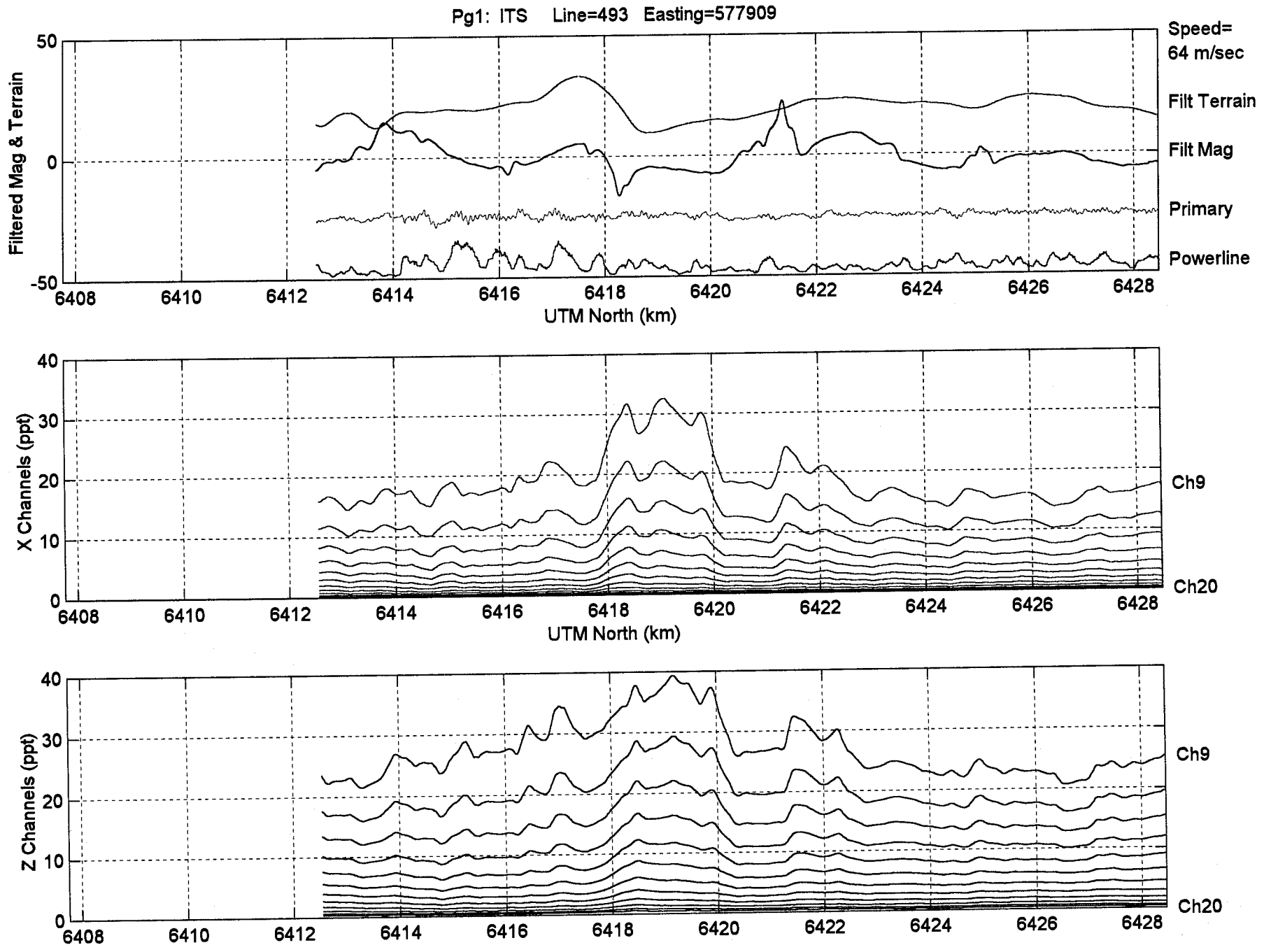

Pg1: ITS Line=488 Easting=576904
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
-62 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0

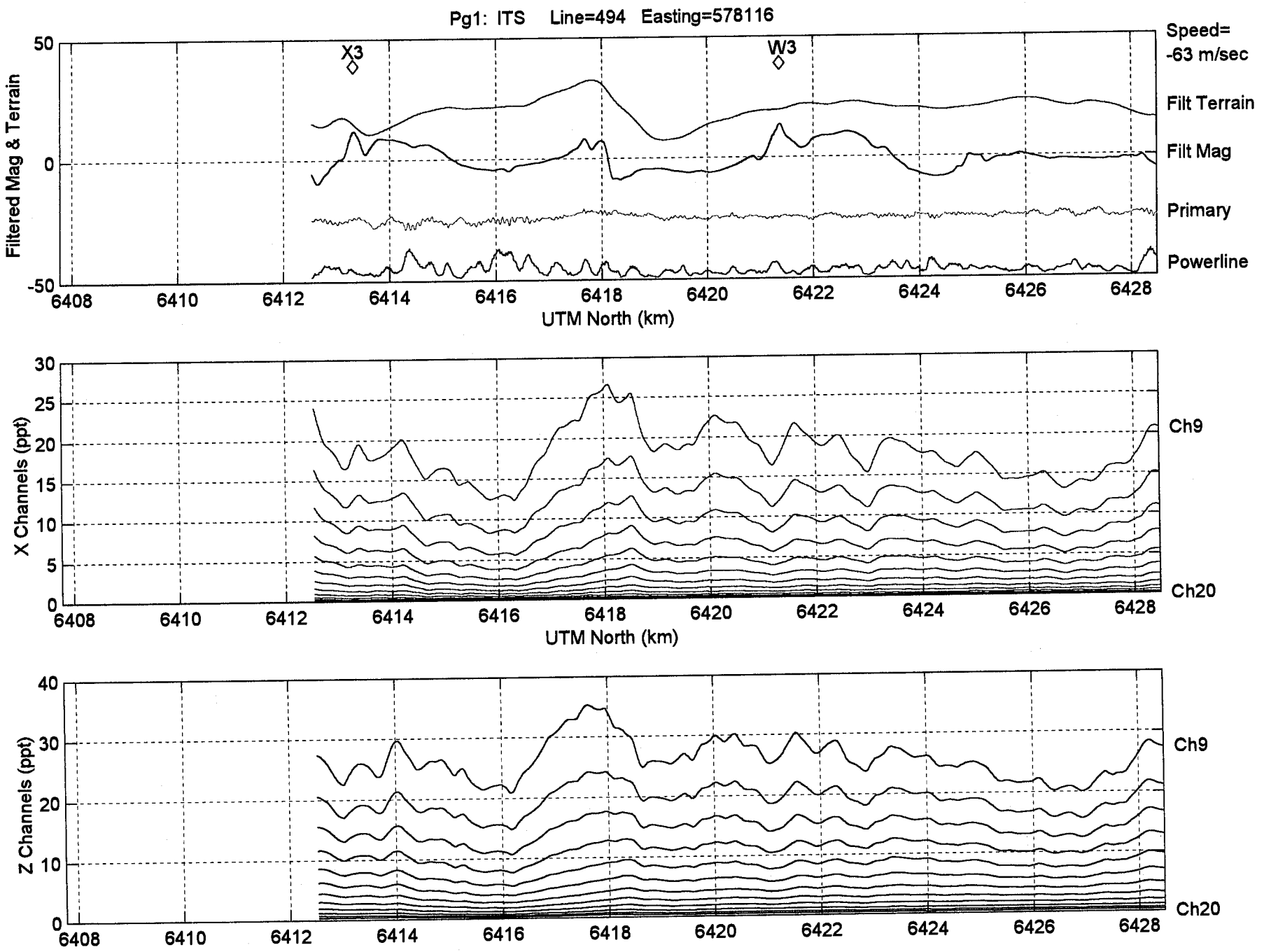

Pg1: ITS Line=489 Easting=577107
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
62 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)

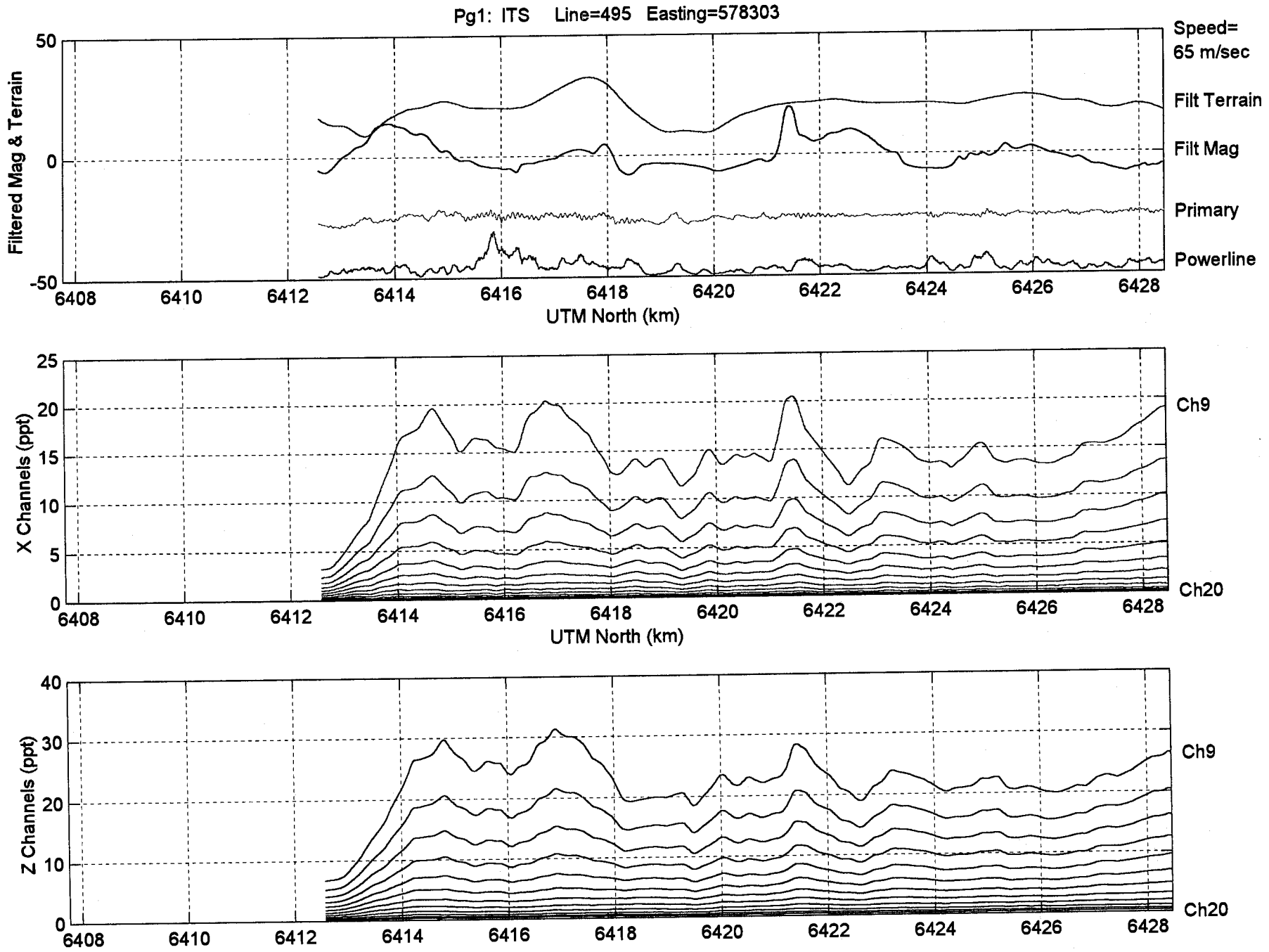

Pg1: ITS Line=490 Easting=577308
Filtered Mag & Terrain
50
0
-50
V4
U4
Speed=
-62 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

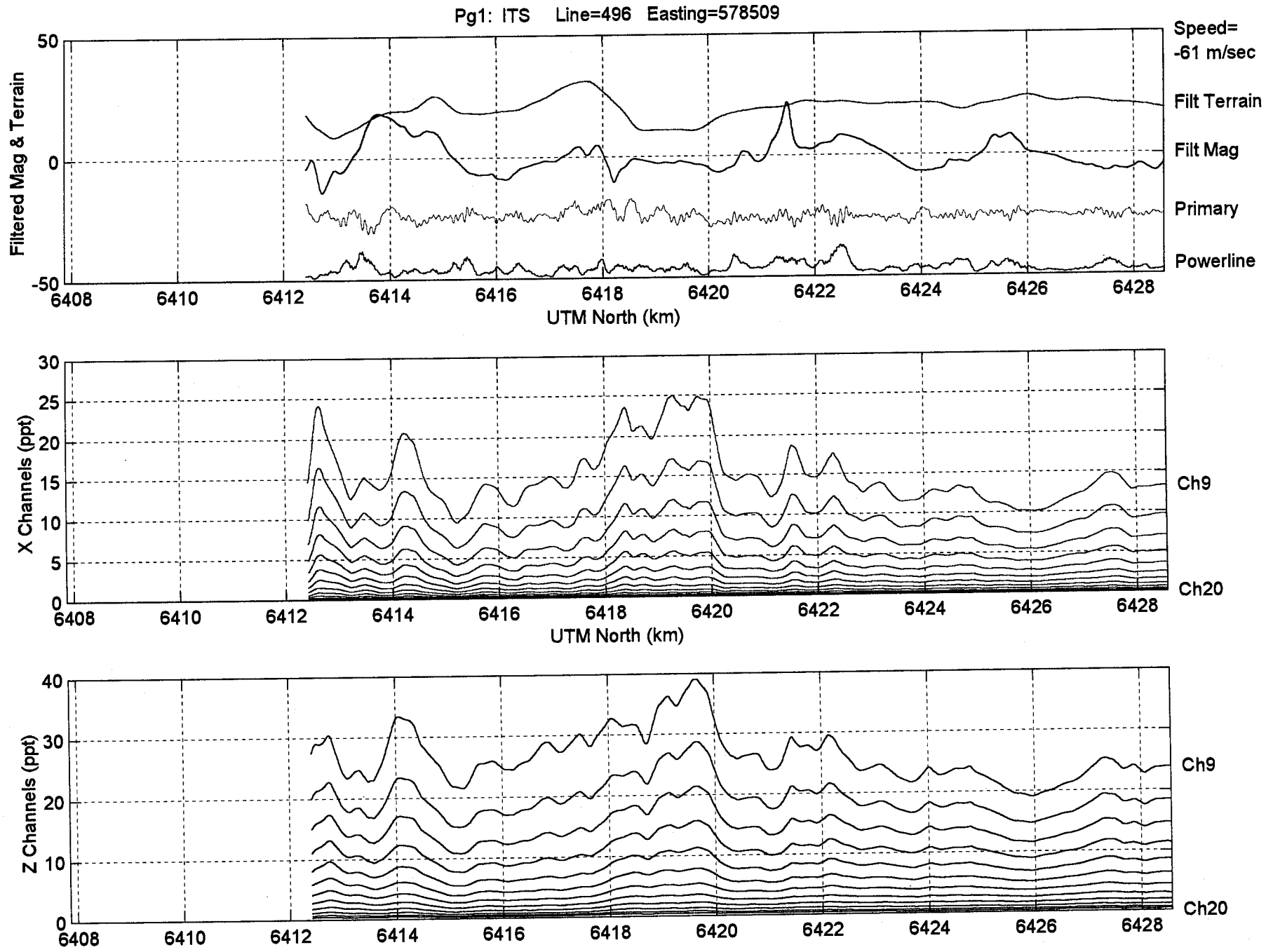

Pg1: ITS Line=491 Easting=577505
Filtered Mag & Terrain
50
0
-50
Speed=
62 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
50
40
30
20
10
0
Ch9
Ch20

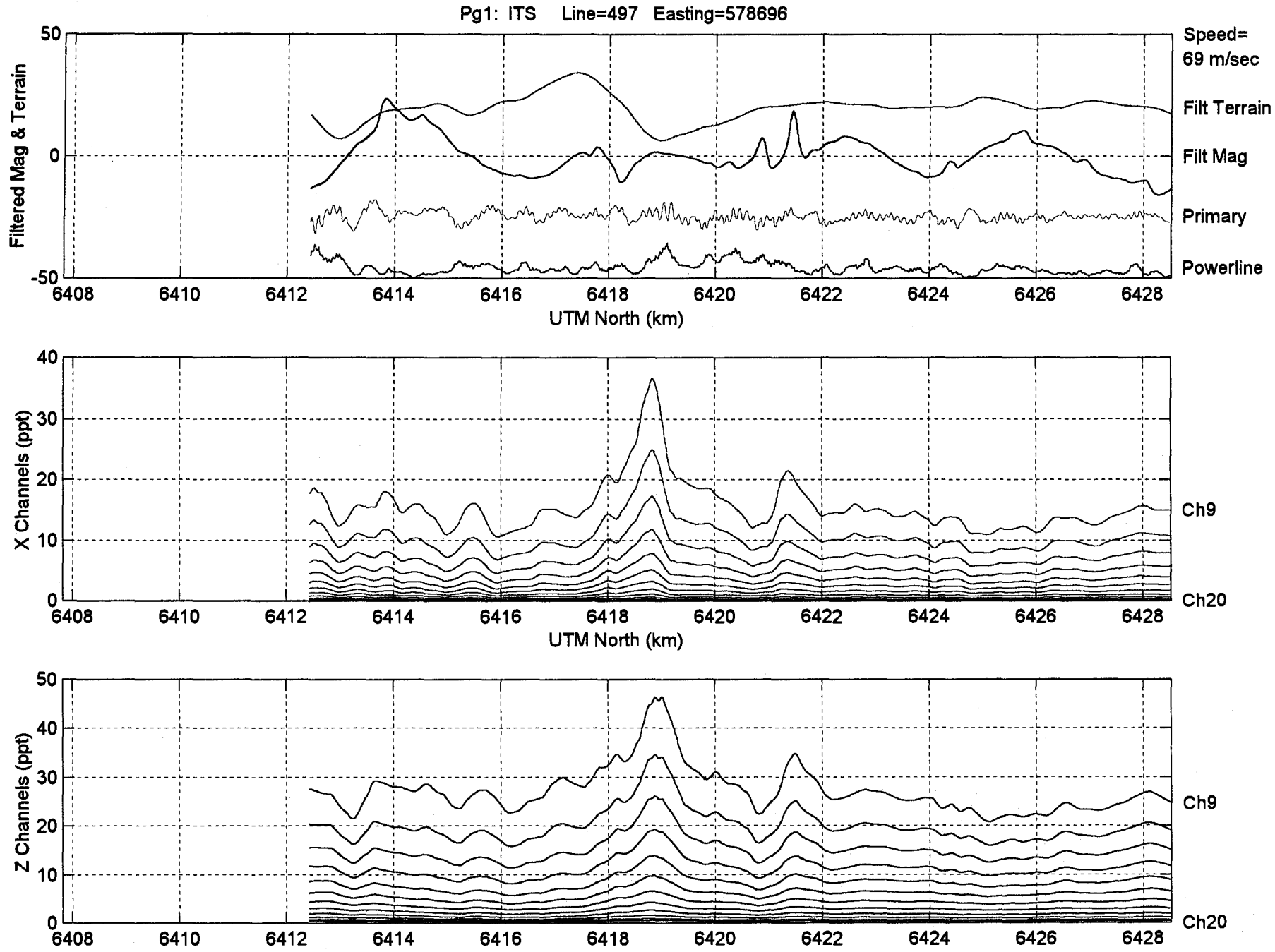

Pg1: ITS Line=492 Easting=577703
Speed=
-63 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

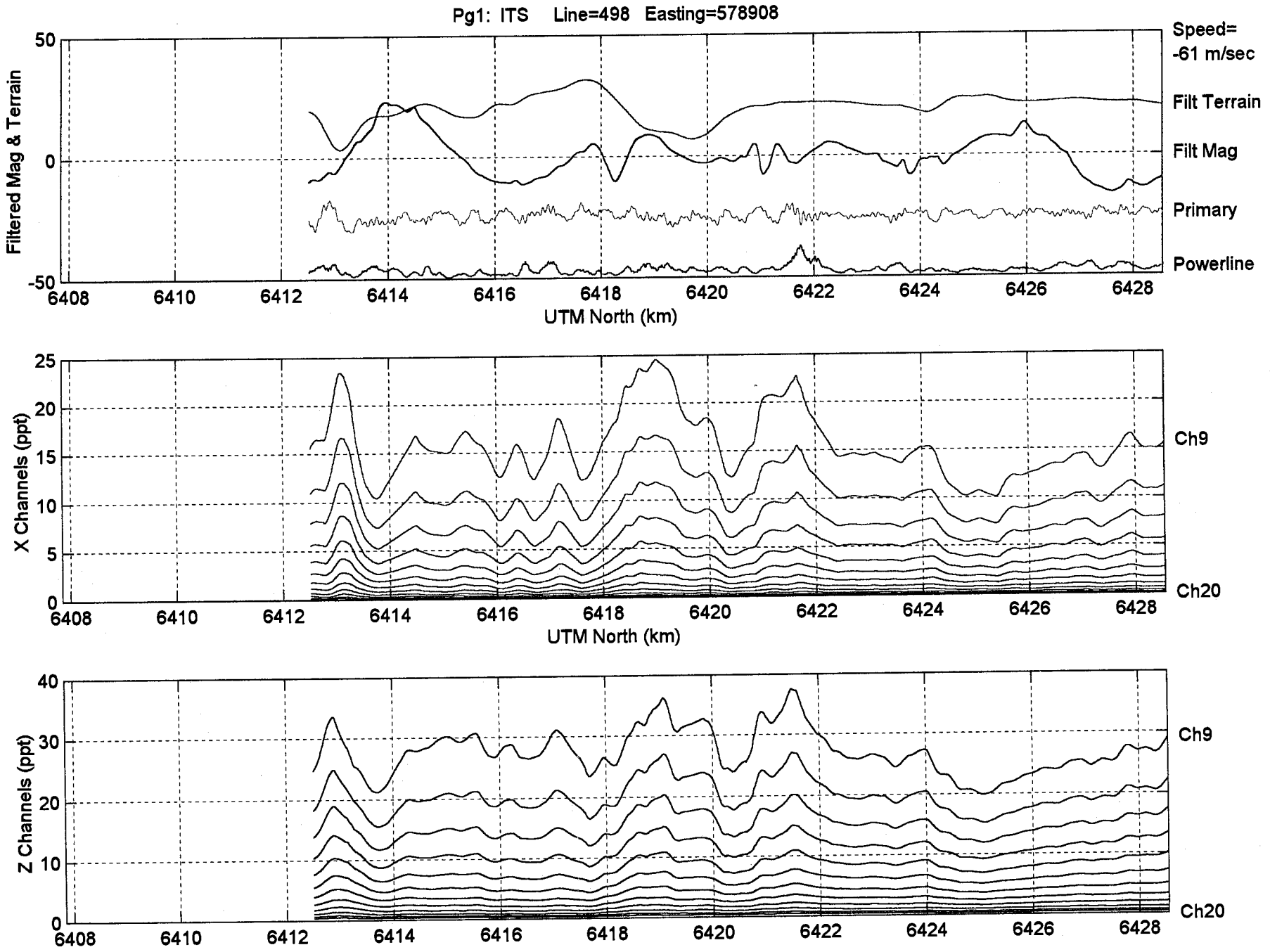

Pg1: ITS Line=493 Easting=577909
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
64 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)

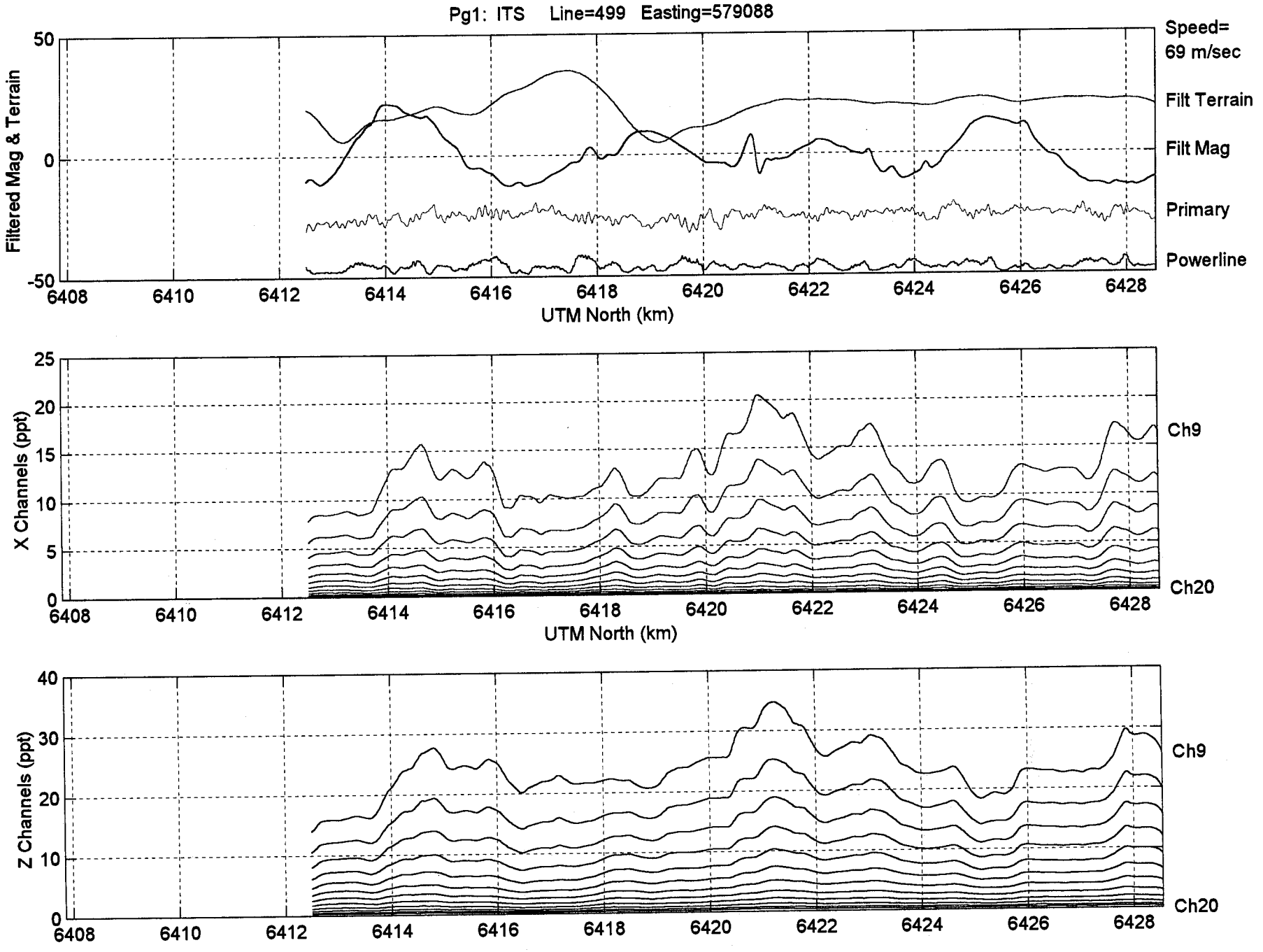

Pg1: ITS Line=494 Easting=578116
Filtered Mag & Terrain
50
0
-50
X3
W3
Speed=
-63 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

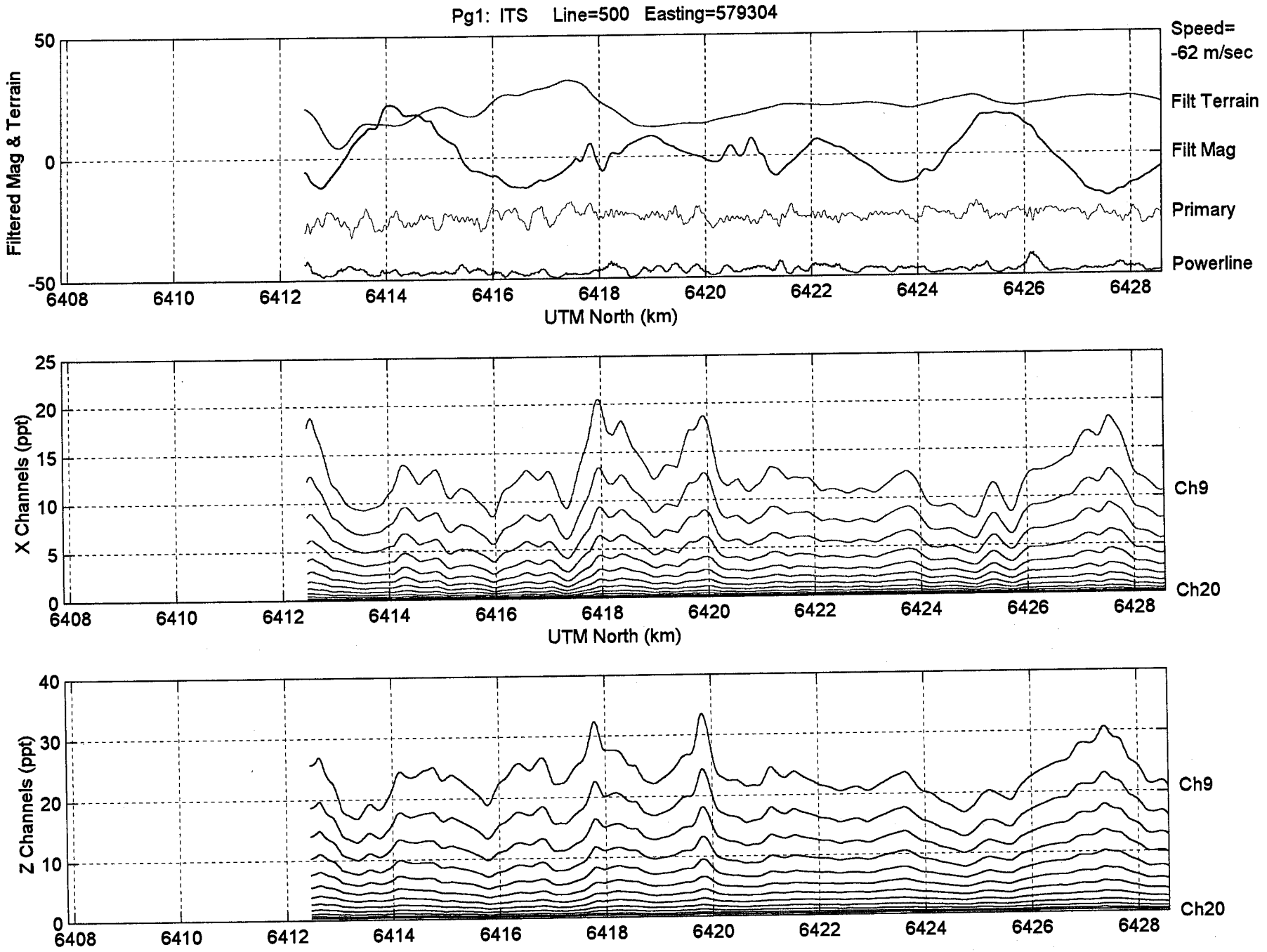

Pg1: ITS Line=495 Easting=578303
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
65 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0

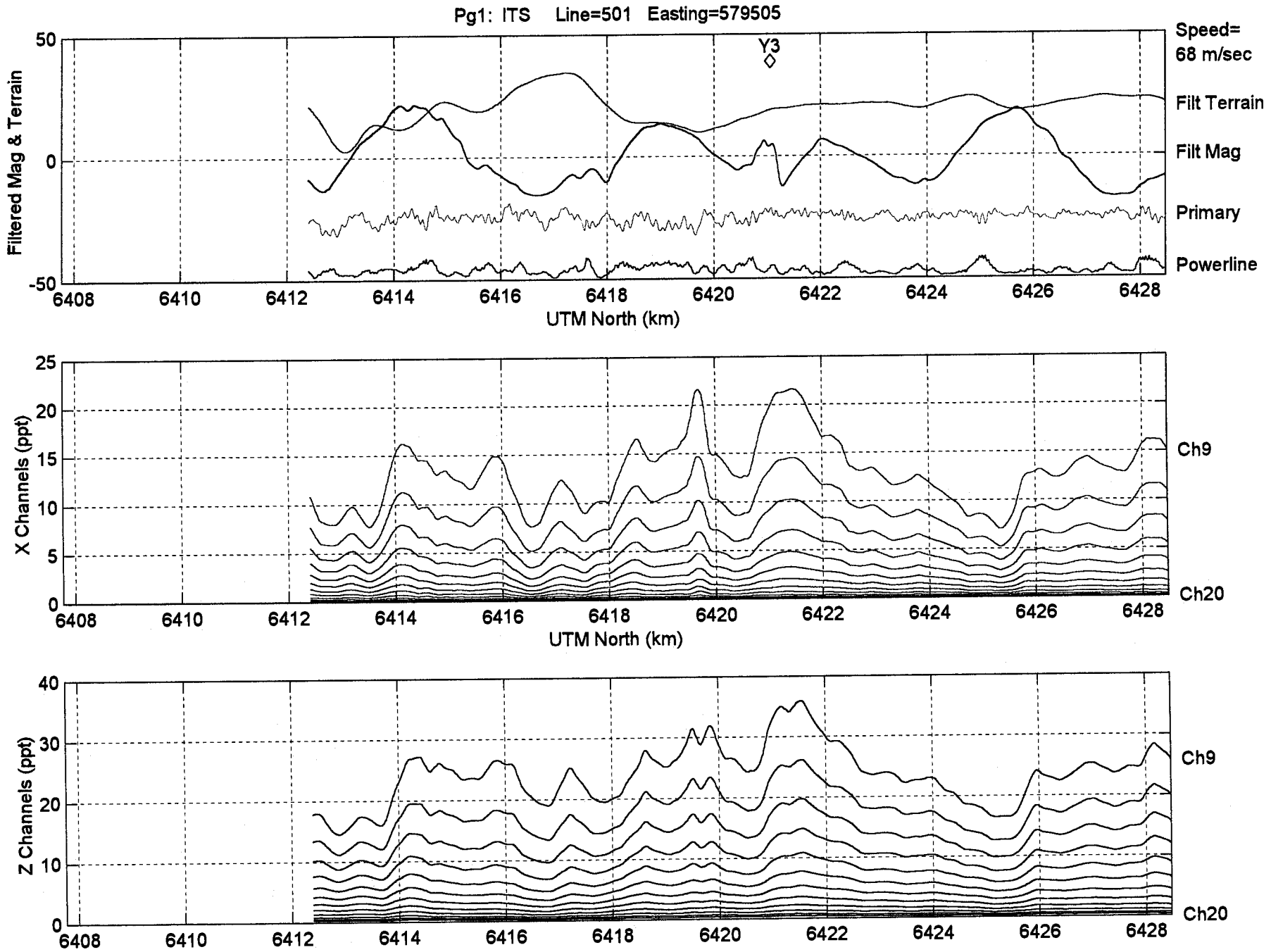

Pg1: ITS Line=496 Easting=578509
Speed=
-61 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

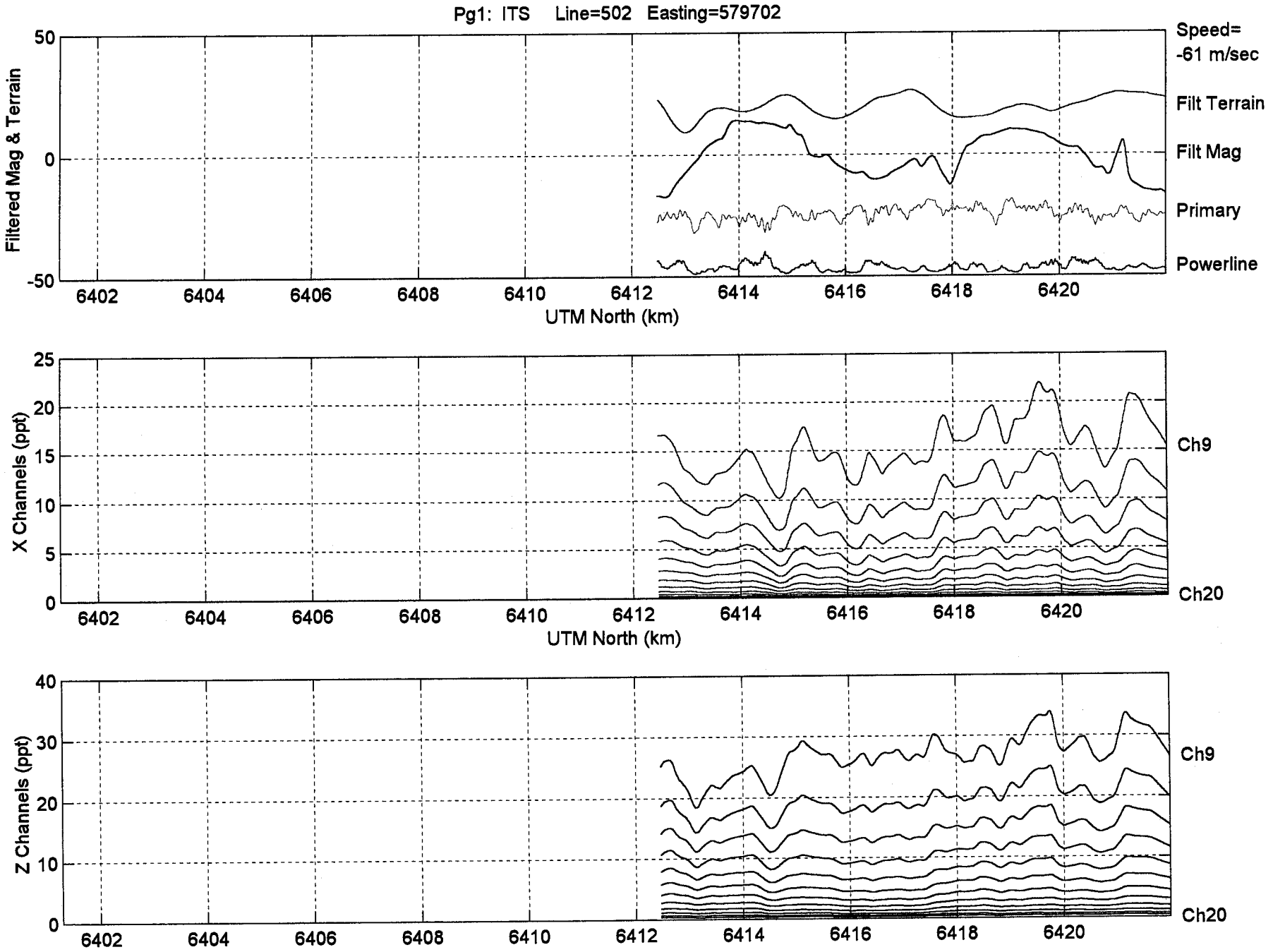

Pg1: ITS Line=497 Easting=578696
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
69 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)

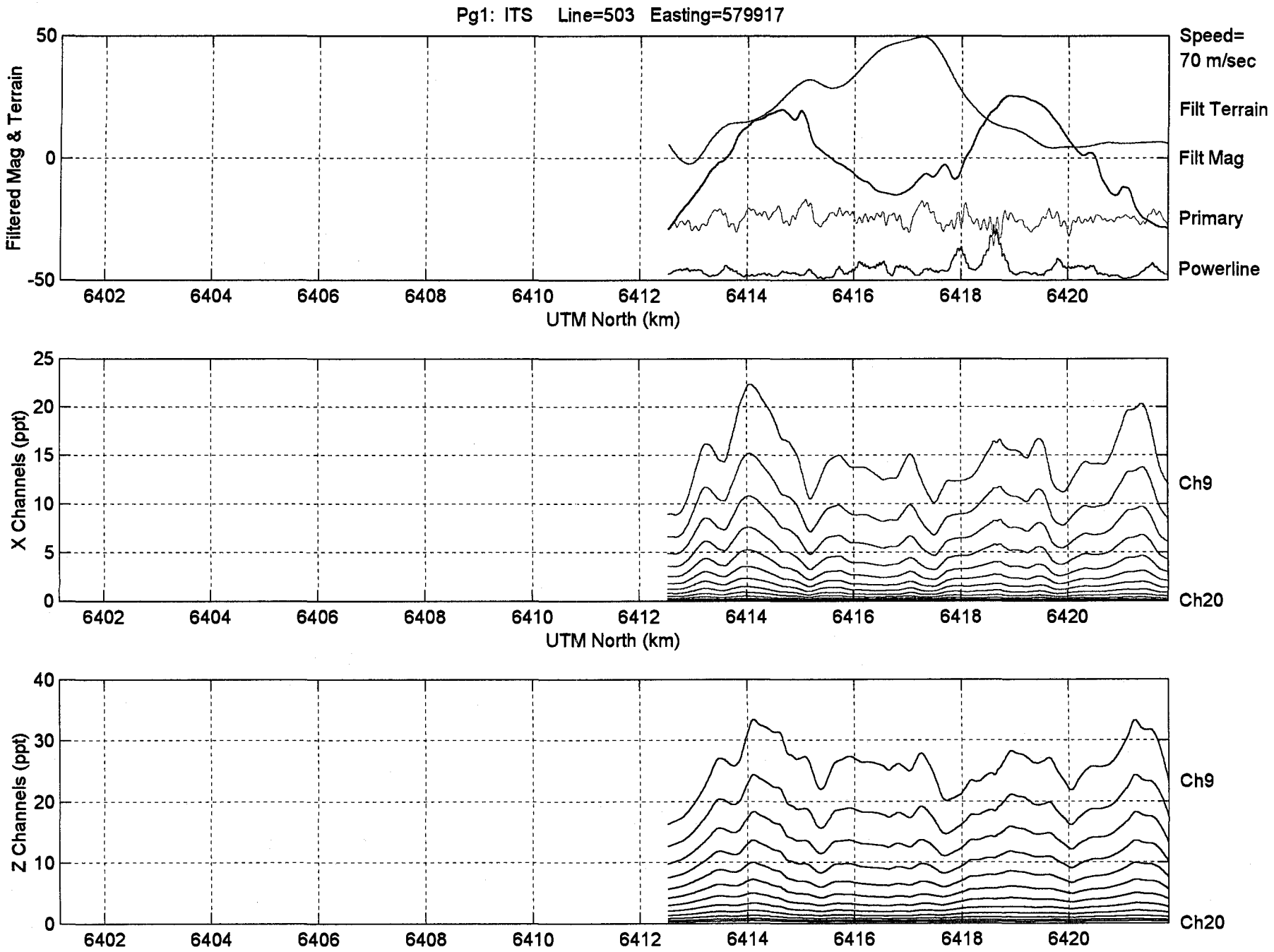

Pg1: ITS Line=498 Easting=578908
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
-61 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0

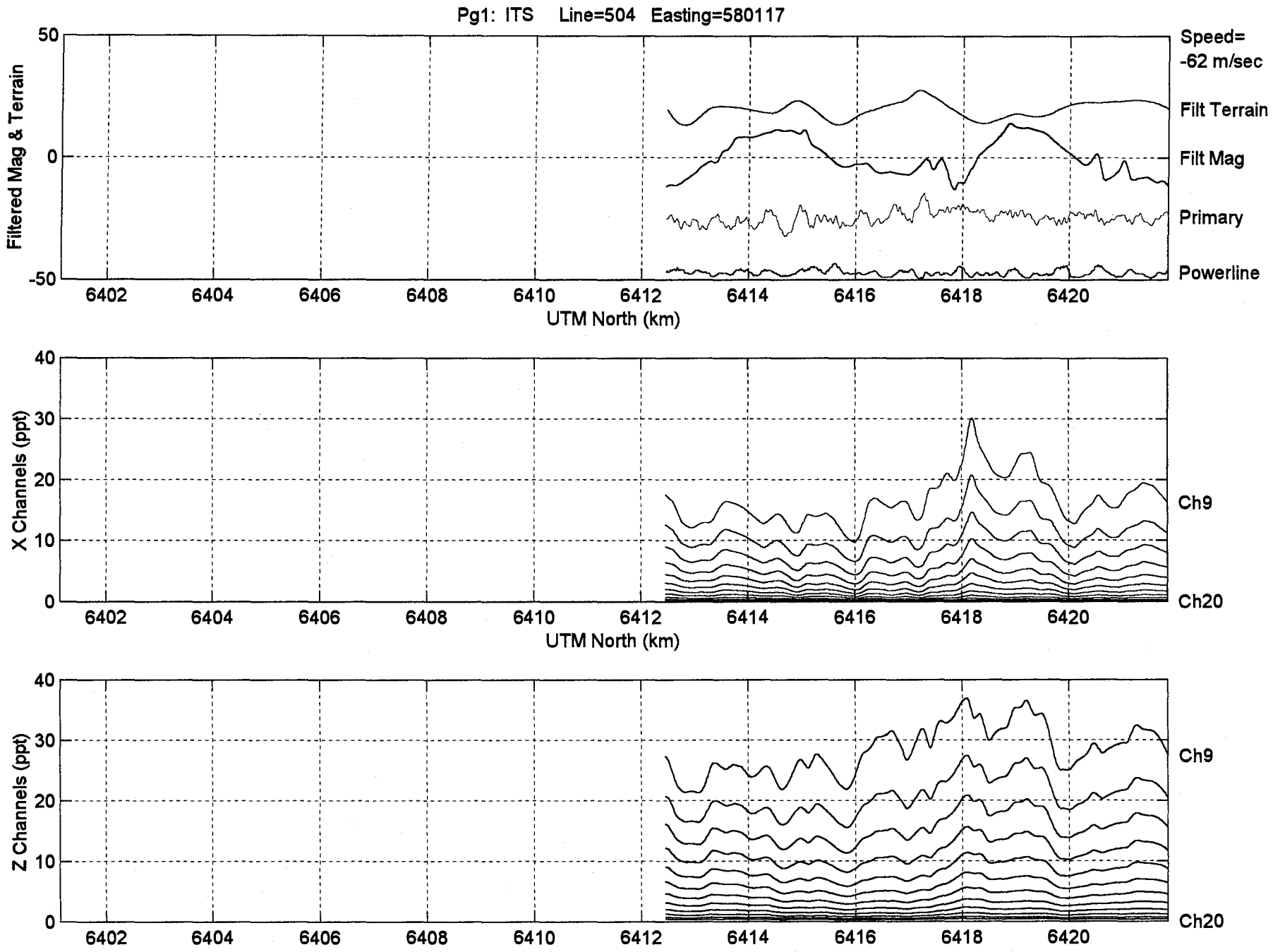

Pg1: ITS Line=499 Easting=579088
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
69 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0

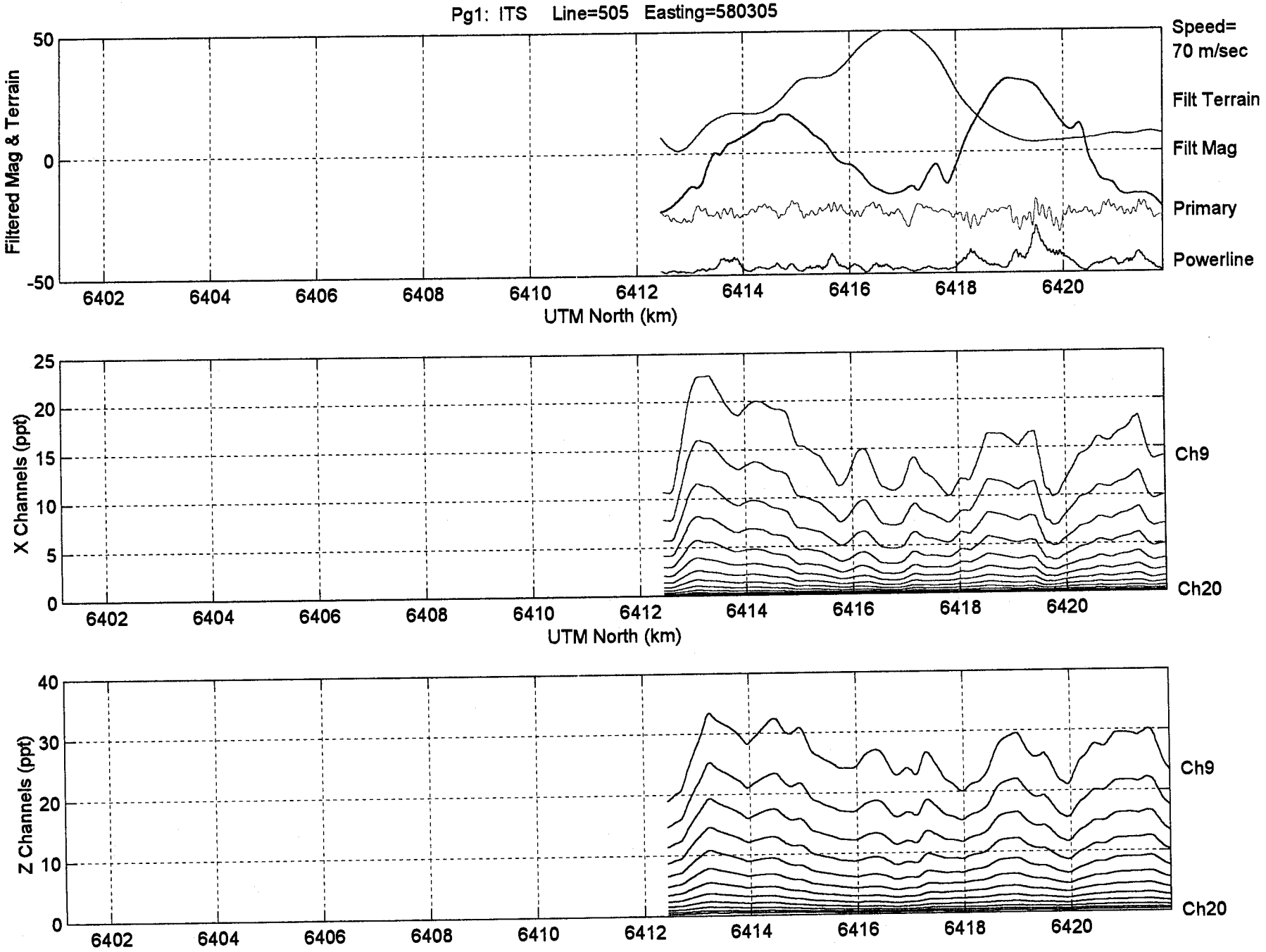

Pg1: ITS Line=500 Easting=579304
Filtered Mag & Terrain
50
0
-50
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
Speed=
-62 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0

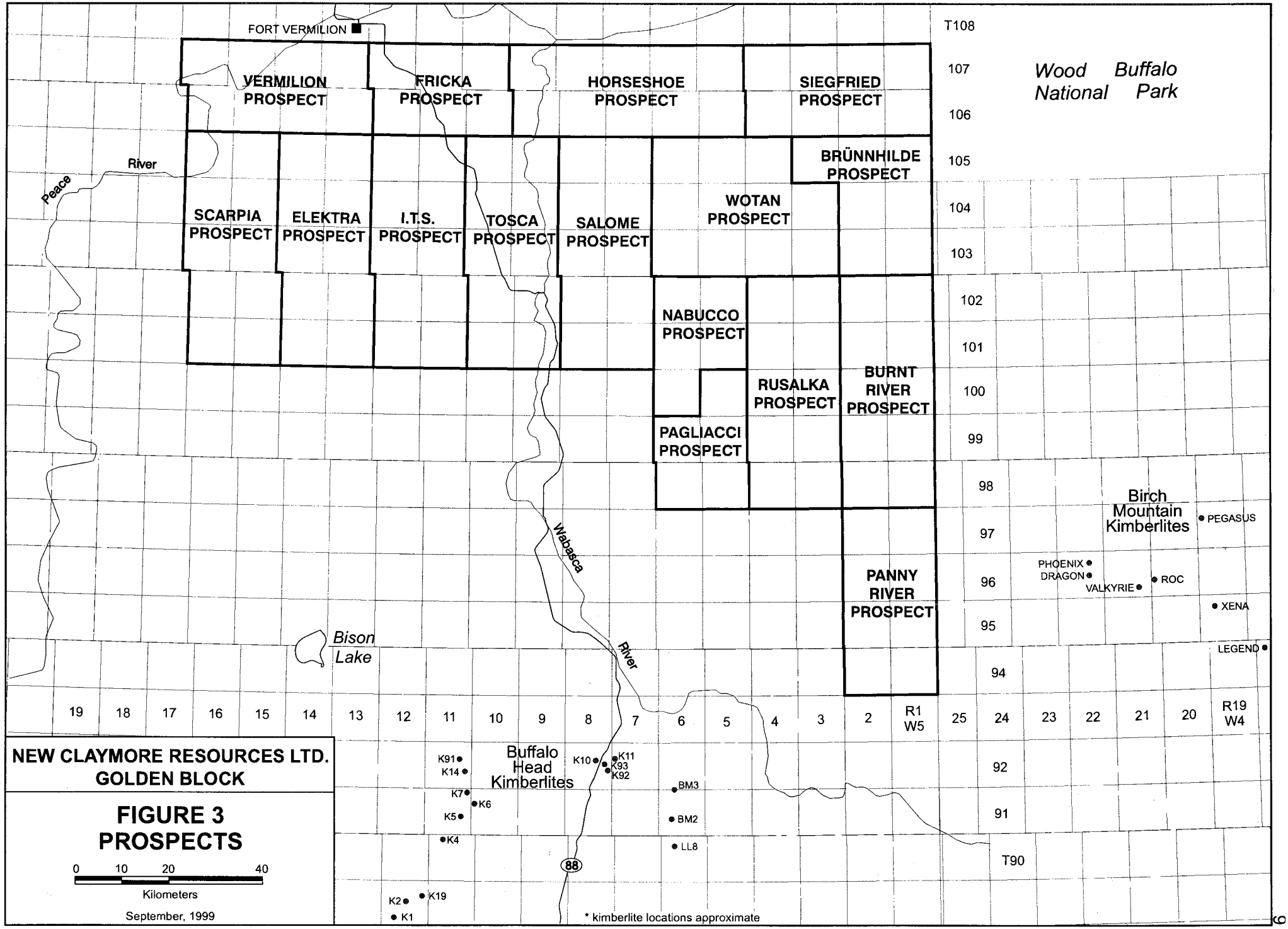

Pg1: ITS Line=501 Easting=579505
Filtered Mag & Terrain
50
0
-50
Y3
Speed=
68 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6408
6410
6412
6414
6416
6418
6420
6422
6424
6426
6428
UTM North (km)
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

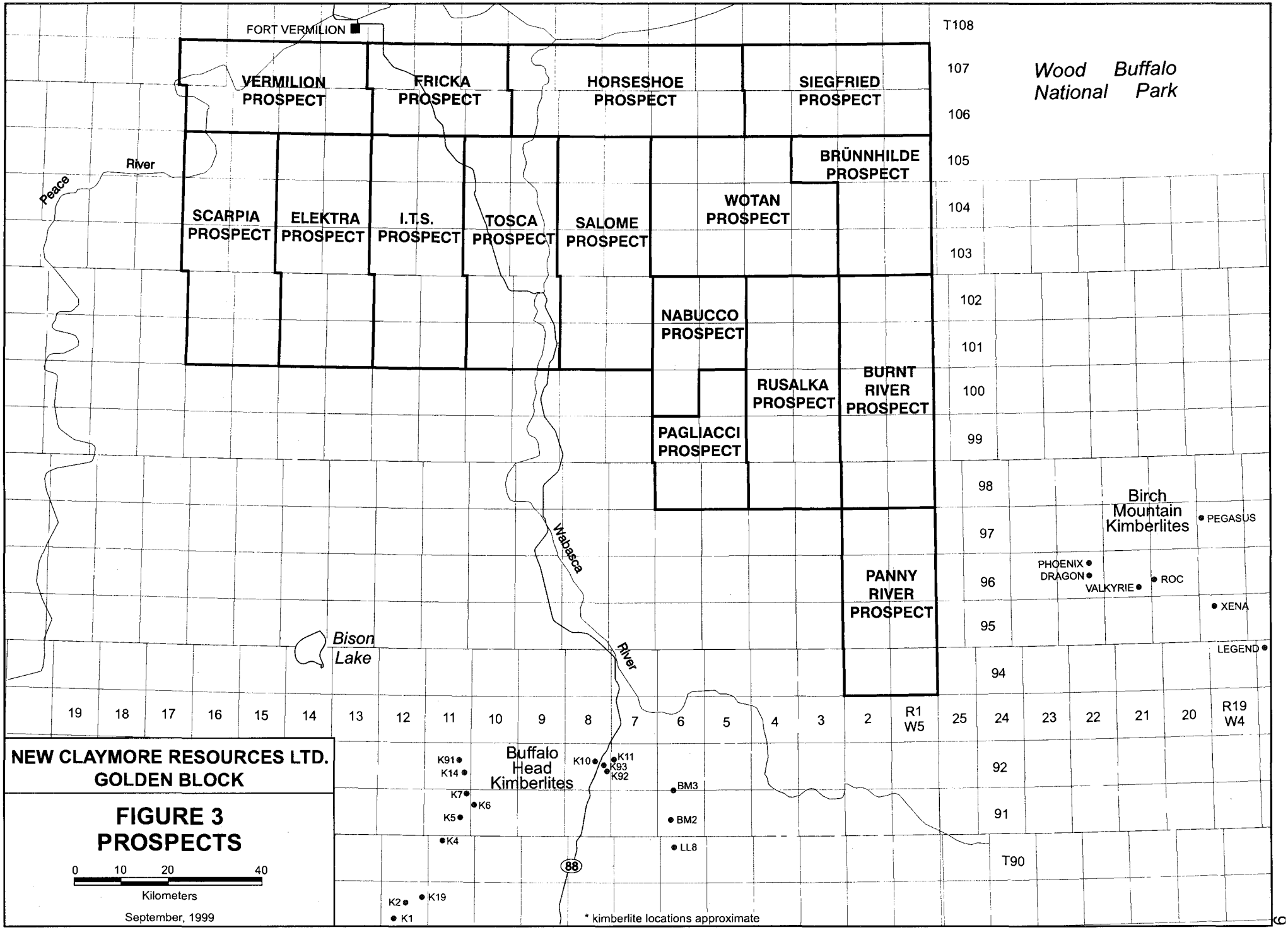

Pg1: ITS Line=502 Easting=579702
Filtered Mag & Terrain
50
0
-50
6402
6404
6406
6408
6410
6412
6414
6416
6418
6420
UTM North (km)
Speed=
-61 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20


Pg1: ITS Line=503 Easting=579917
Filtered Mag & Terrain
50
0
-50
6402
6404
6406
6408
6410
6412
6414
6416
6418
6420
UTM North (km)
Speed=
70 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20


Pg1: ITS Line=504 Easting=580117
Filtered Mag & Terrain
50
0
-50
6402
6404
6406
6408
6410
6412
6414
6416
6418
6420
UTM North (km)
Speed=
-62 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
Z Channels (ppt)


Pg1: ITS Line=505 Easting=580305
Filtered Mag & Terrain
50
0
-50
6402
6404
6406
6408
6410
6412
6414
6416
6418
6420
UTM North (km)
Speed=
70 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20


FORT VERMILION
VERMILION PROSPECT
FRICKA PROSPECT
HORSESHOE PROSPECT
SIEGFRIED PROSPECT
BRÜNNHILDE PROSPECT
WOTAN PROSPECT
SCARPIA PROSPECT
ELEKTRA PROSPECT
I.T.S. PROSPECT
TOSCA PROSPECT
SALOME PROSPECT
NABUCCO PROSPECT
PAGLIACCI PROSPECT
RUSALKA PROSPECT
BURNT RIVER PROSPECT
PANNY RIVER PROSPECT
Wood Buffalo National Park
Peace River
Wabasca River
Bison Lake
Birch Mountain Kimberlites
PEGASUS
PHOENIX
DRAGON
VALKYRIE
ROC
XENA
LEGEND
Buffalo Head Kimberlites
K91
K14
K7
K6
K5
K4
K10
K11
K93
K92
BM3
BM2
LL8
K2
K19
K1
88
T108
107
106
105
104
103
102
101
100
99
98
97
96
95
94
92
91
T90
19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 R1 W5
25 24 23 22 21 20 R19 W4
NEW CLAYMORE RESOURCES LTD.
GOLDEN BLOCK
FIGURE 3
PROSPECTS
0 10 20 40
Kilometers
September, 1999
* kimberlite locations approximate



NEW CLAYMORE RESOURCES LTD.
GOLDEN BLOCK

FIGURE 3
PROSPECTS

0 10 20 40
Kilometers

September, 1999

* kimberlite locations approximate

19990024

ASSESSMENT REPORT

GOLDEN BLOCK

VOLUME 3

APPENDIX 8 (continued)
GEOTEM MAGNETIC AND ELECTROMAGNETIC SURVEY
TOSCA PROSPECT

APPENDIX 9
GEOTEM MAGNETIC AND ELECTROMAGNETIC SURVEY
BUFFALO HEAD KIMBERLITES

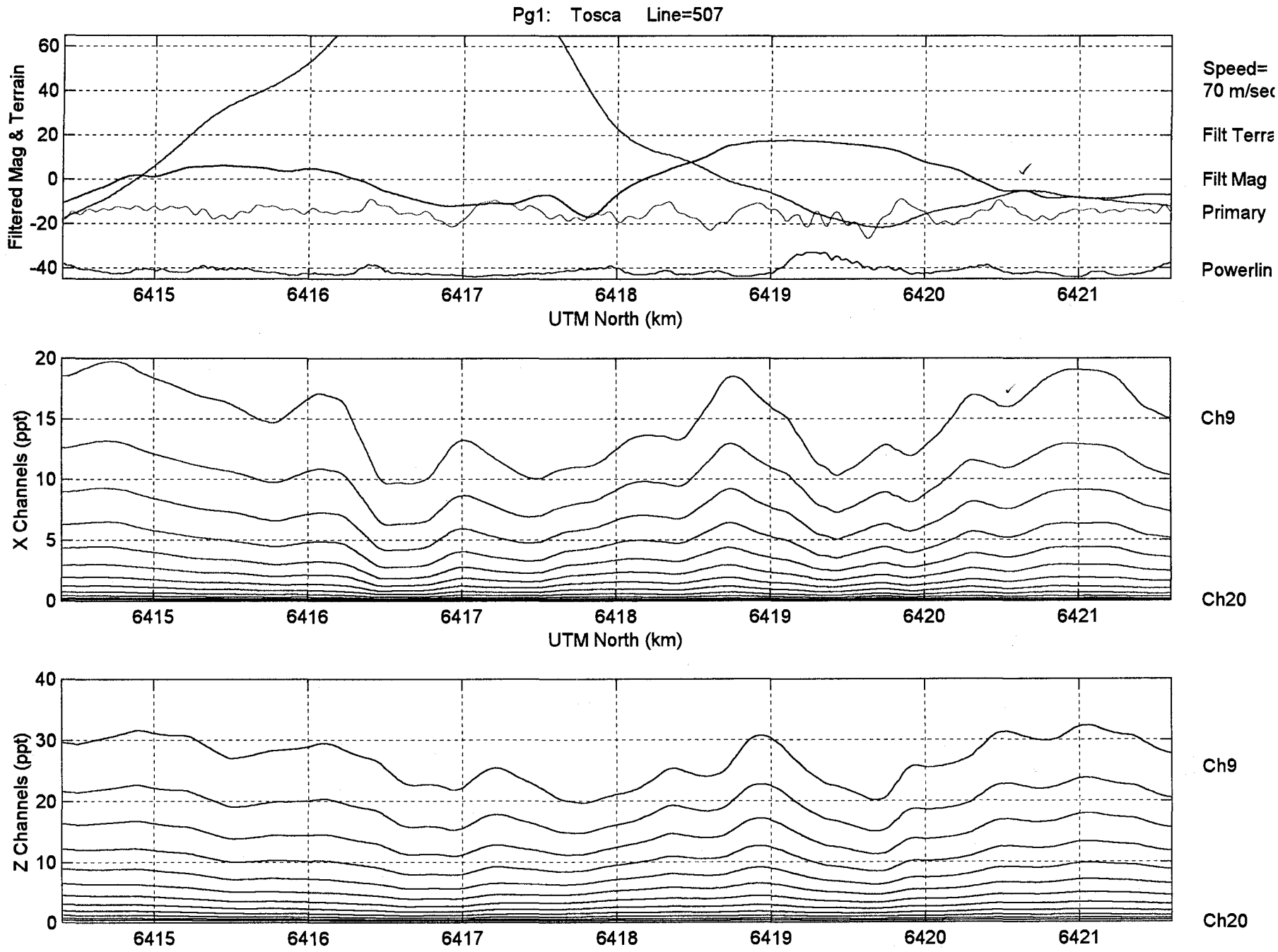
DRAWING 01 TO DRAWING 09

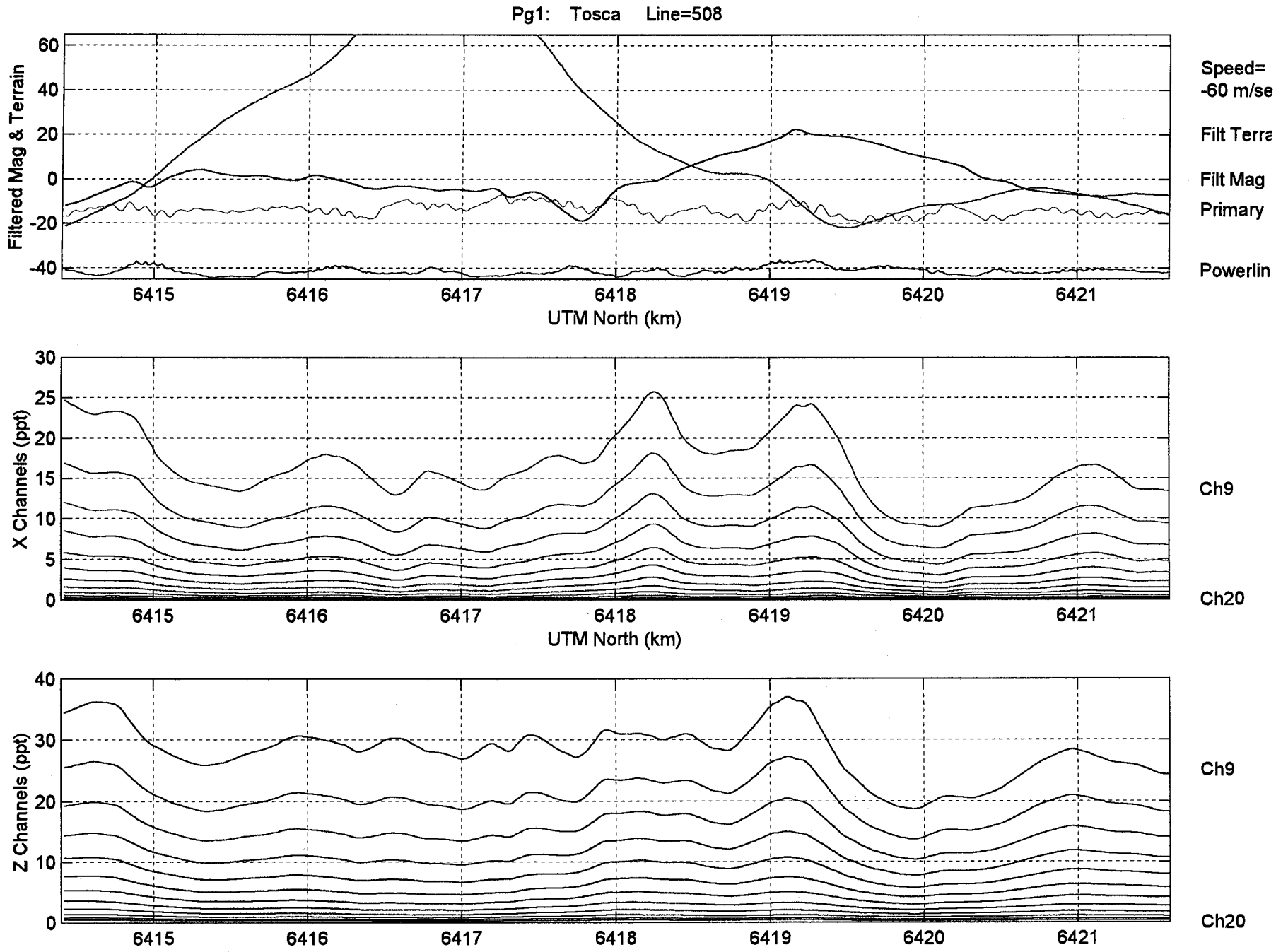
NEW CLAYMORE RESOURCES LTD.
METALLIC AND INDUSTRIAL MINERAL PERMITS
9397050016 to 9397050041, 9397050115 to 9397050153,
9397090001 to 9397090025, 9397100343 to 9397100390
NORTHERN ALBERTA

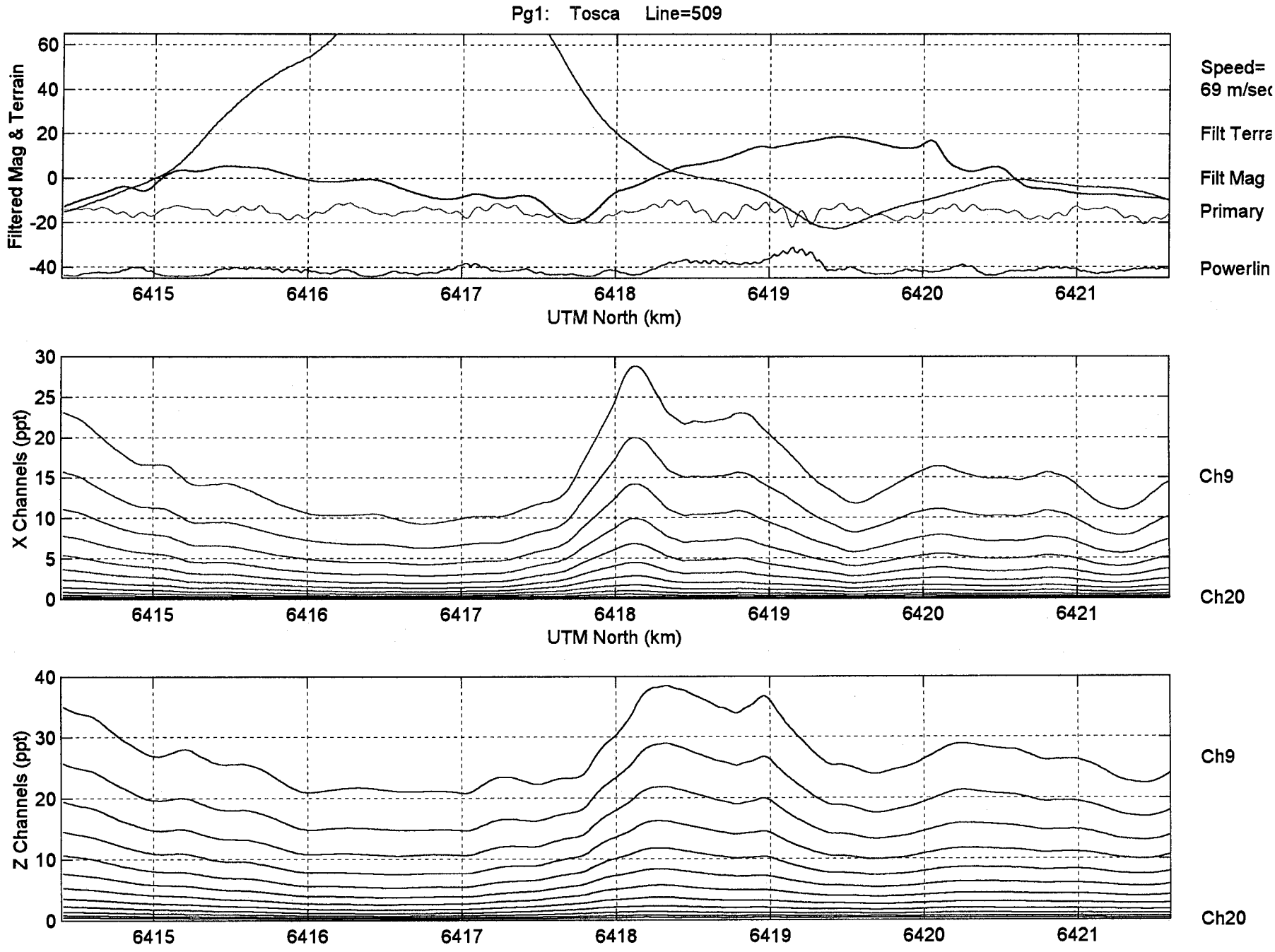
New Claymore Resources Ltd.
11003 - 84 Avenue
Edmonton, Alberta T6G 0V6

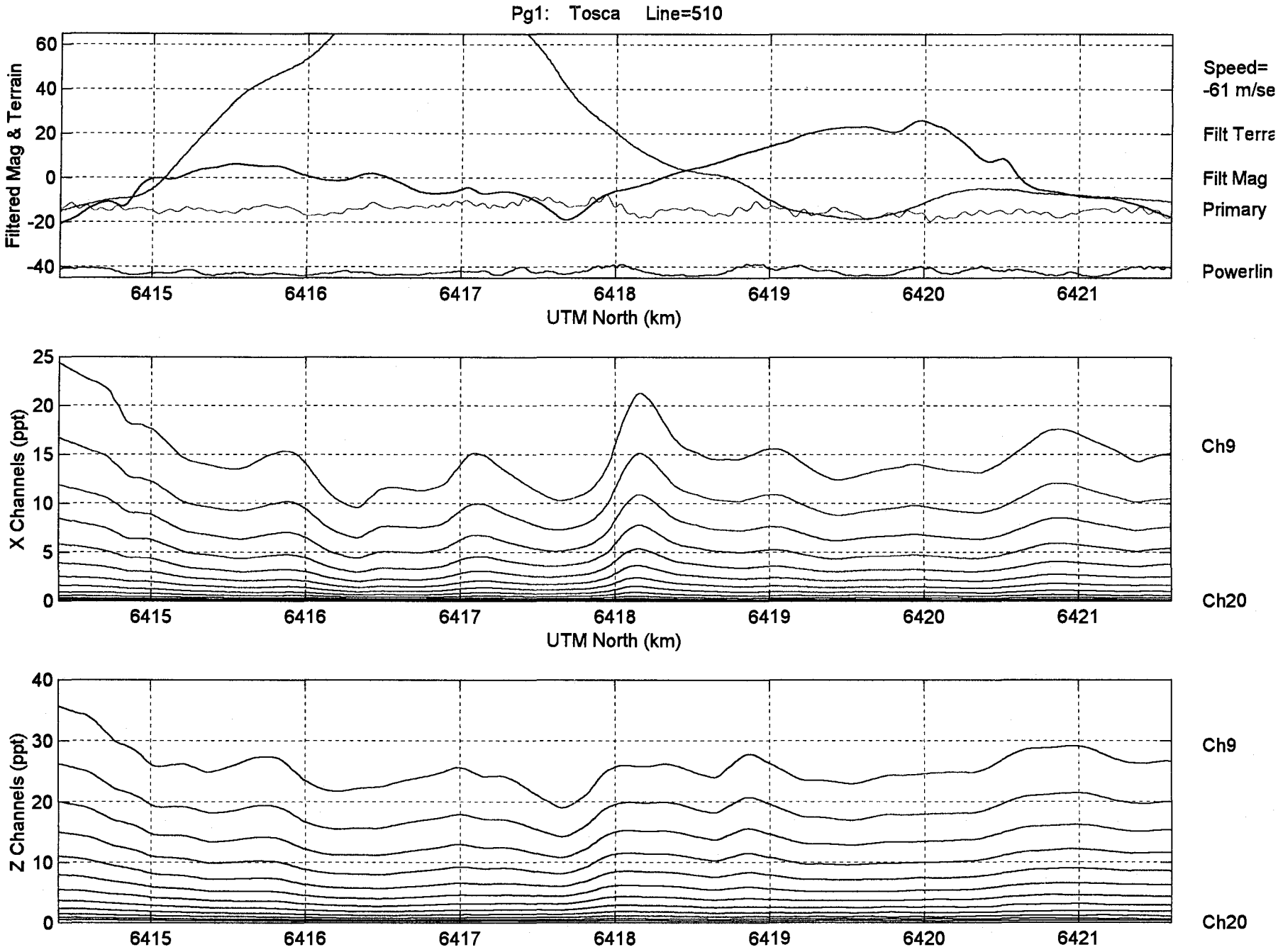
September, 1999

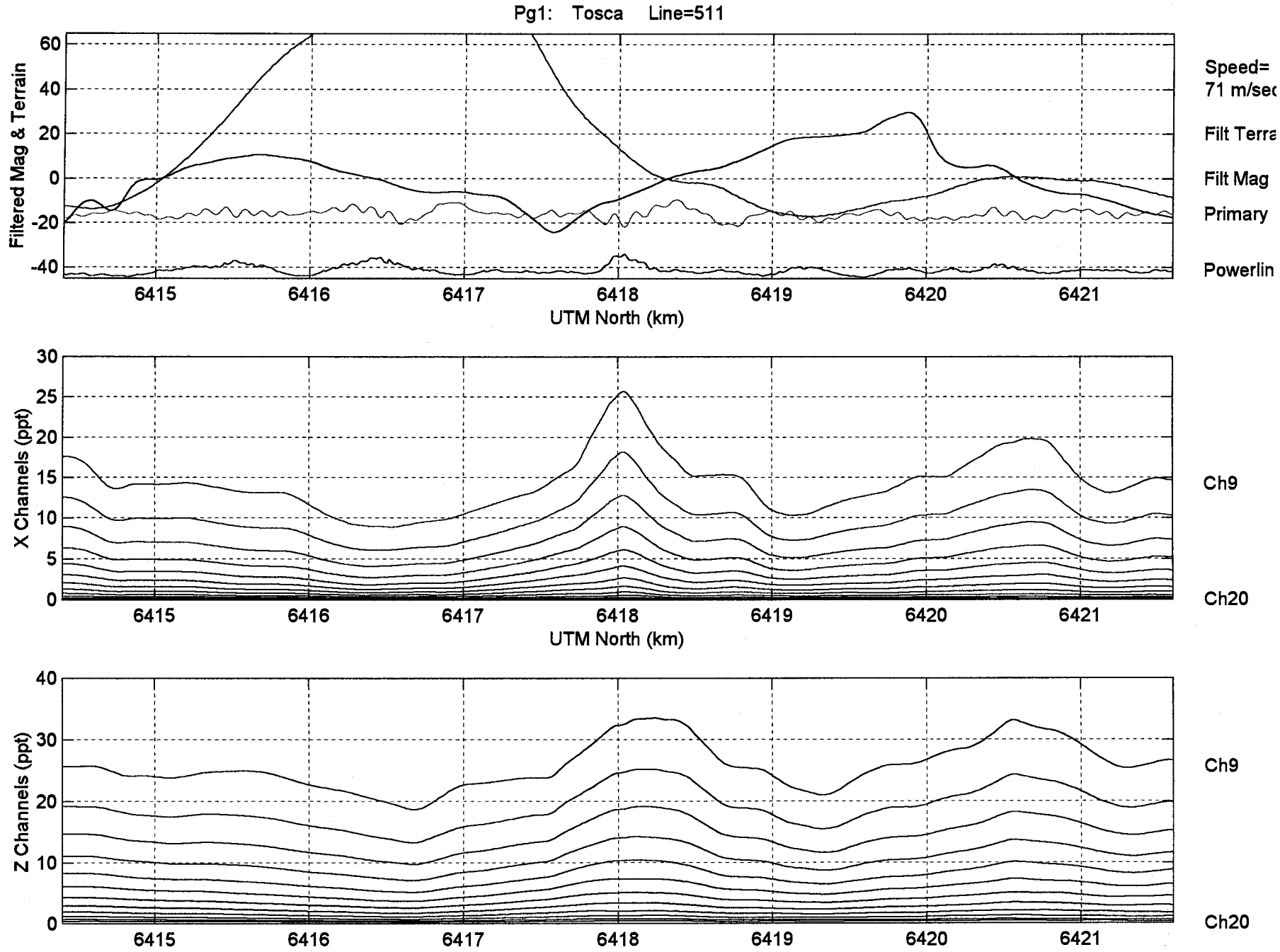
T. Faragher
B. Ryziuk

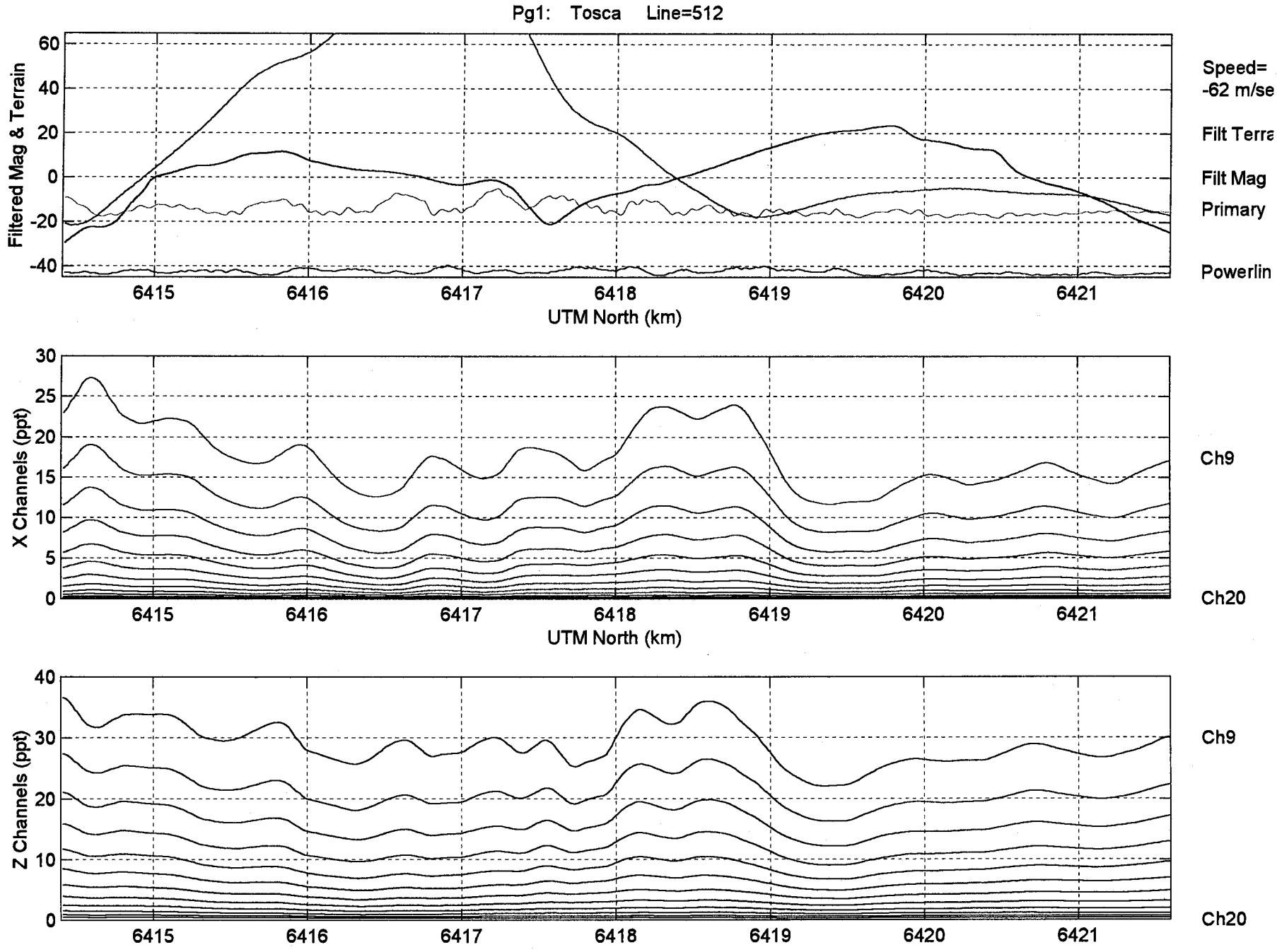

Pg1: Tosca Line=507
Filtered Mag & Terrain
60
40
20
0
-20
-40
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Speed=
70 m/sec
Filt Terra
Filt Mag
Primary
Powerlin
X Channels (ppt)
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

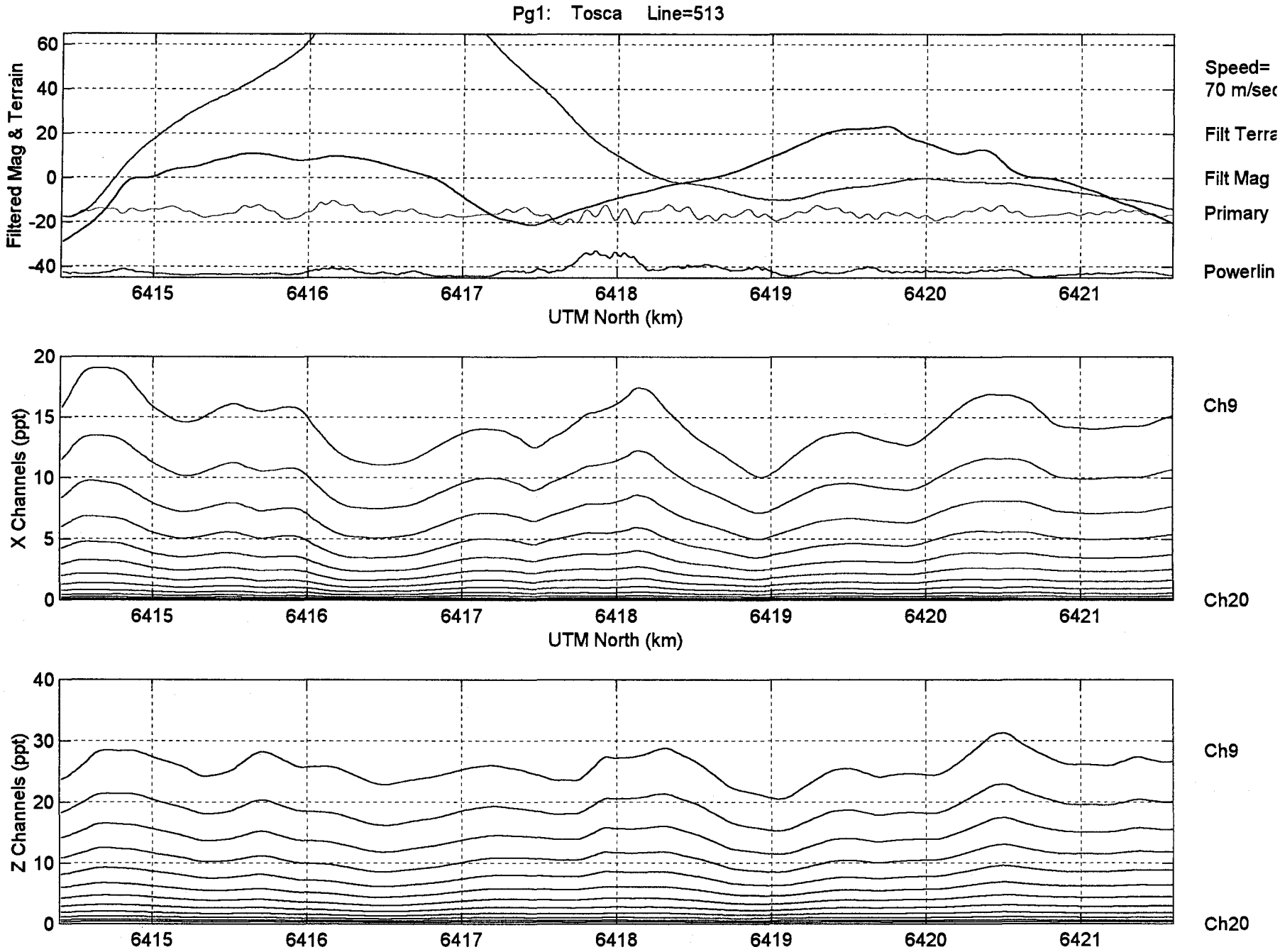

Pg1: Tosca Line=508
Filtered Mag & Terrain
60
40
20
0
-20
-40
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Speed=
-60 m/se
Filt Terra
Filt Mag
Primary
Powerlin
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0

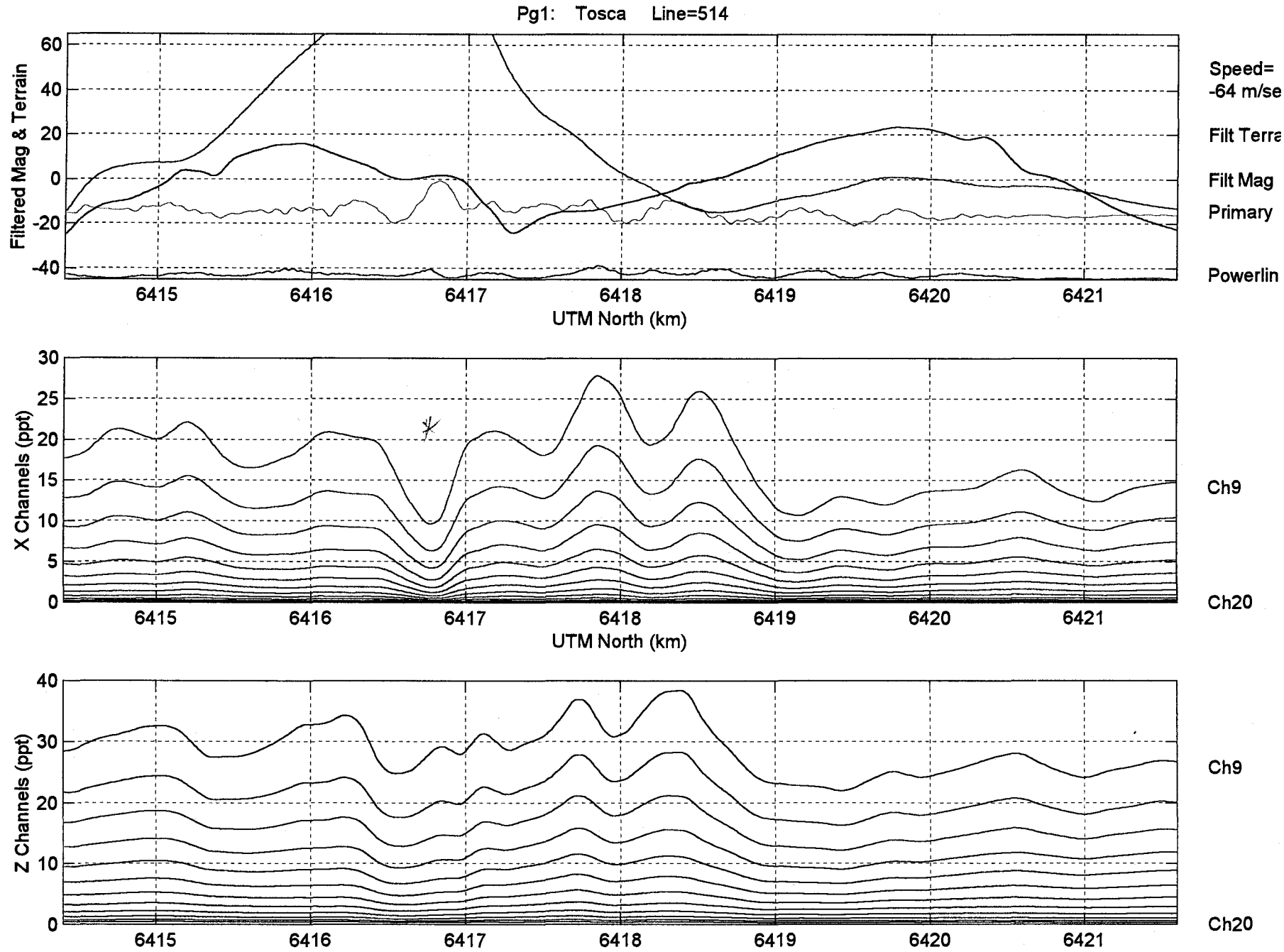

Pg1: Tosca Line=509
Filtered Mag & Terrain
60
40
20
0
-20
-40
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Speed=
69 m/sec
Filt Terra
Filt Mag
Primary
Powerlin
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

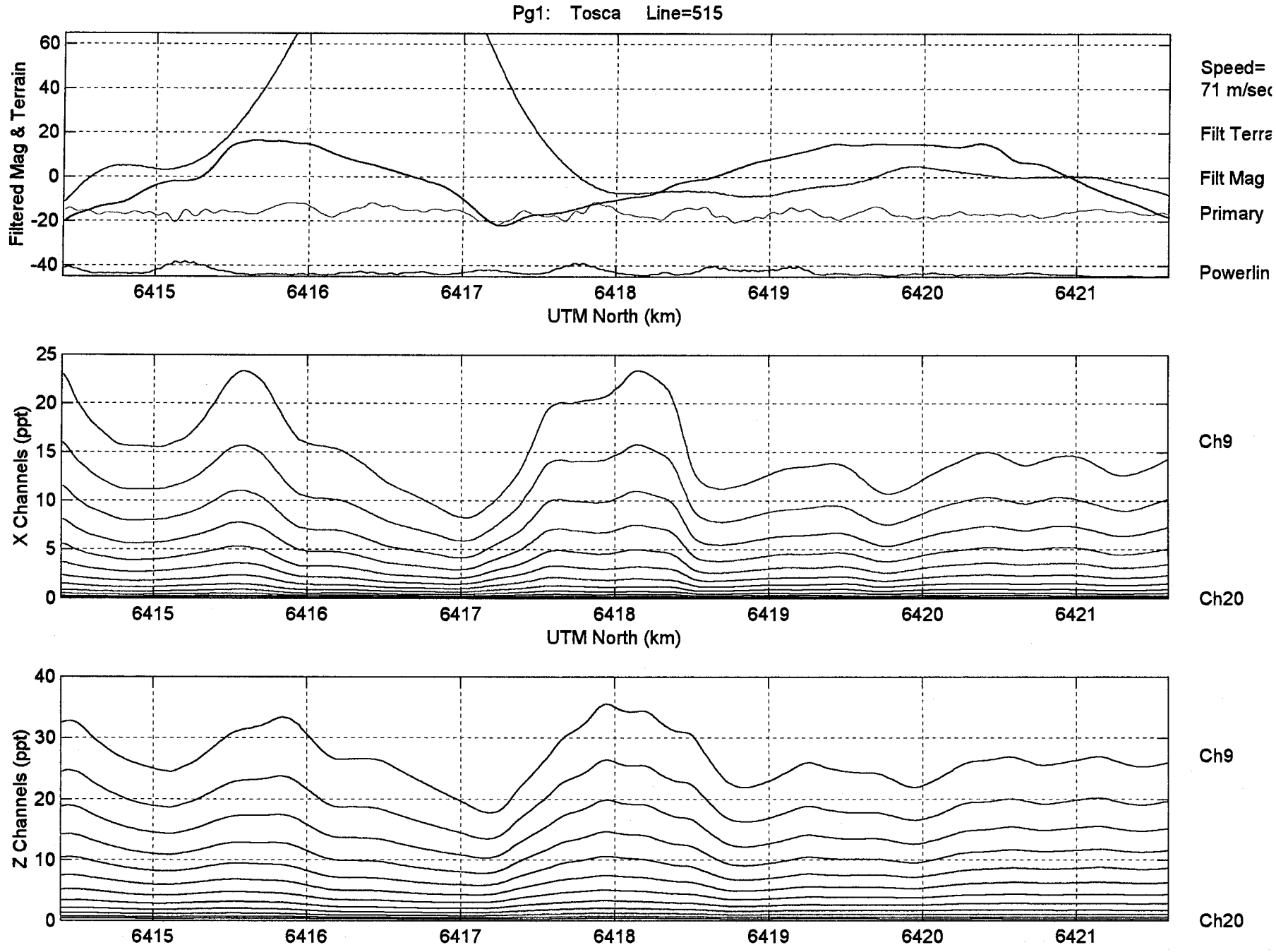

Pg1: Tosca Line=510
Filtered Mag & Terrain
60
40
20
0
-20
-40
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Speed=
-61 m/se
Filt Terra
Filt Mag
Primary
Powerlin
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

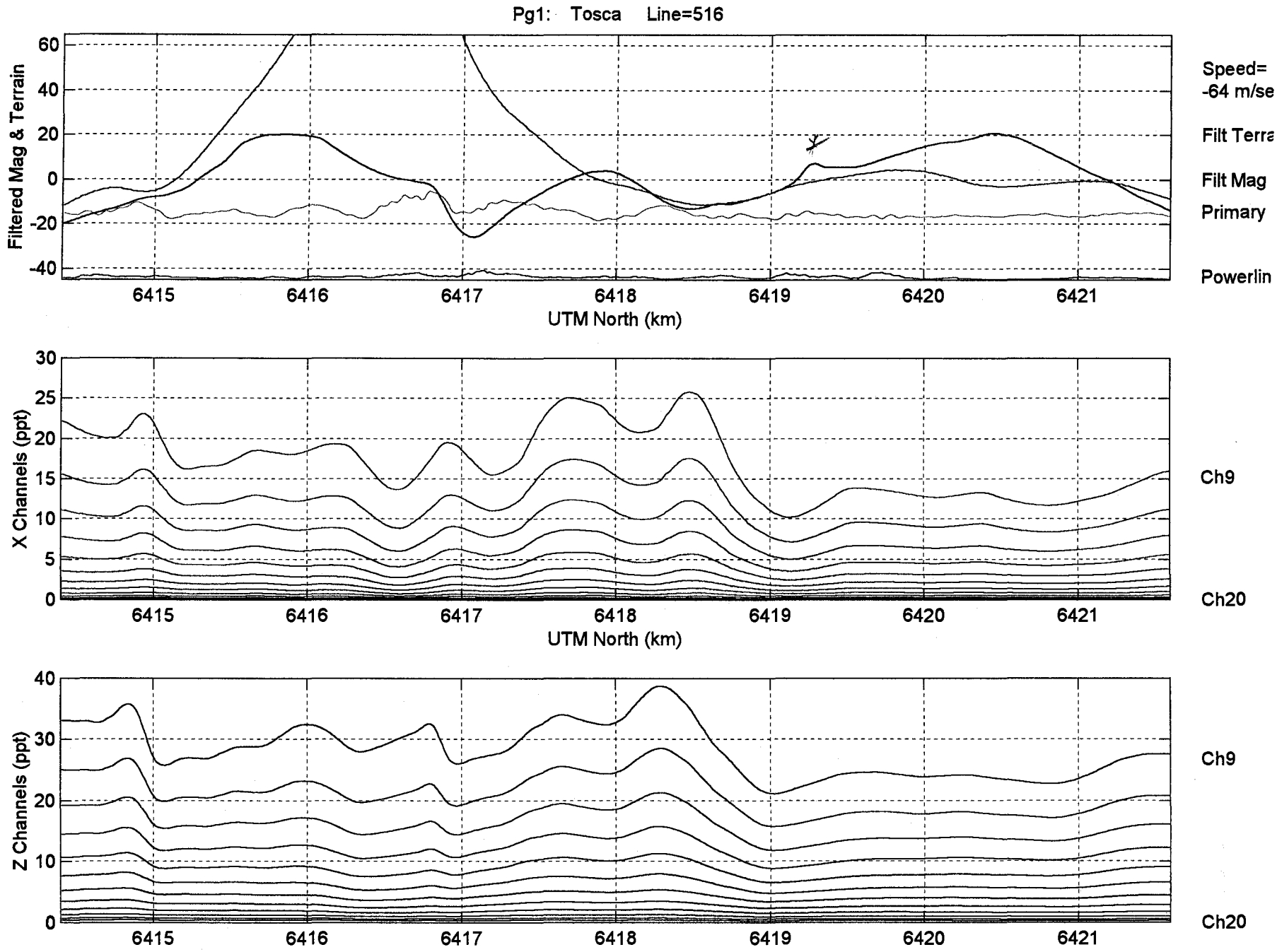

Pg1: Tosca Line=511
Filtered Mag & Terrain
60
40
20
0
-20
-40
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Speed=
71 m/sec
Filt Terra
Filt Mag
Primary
Powerlin
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0

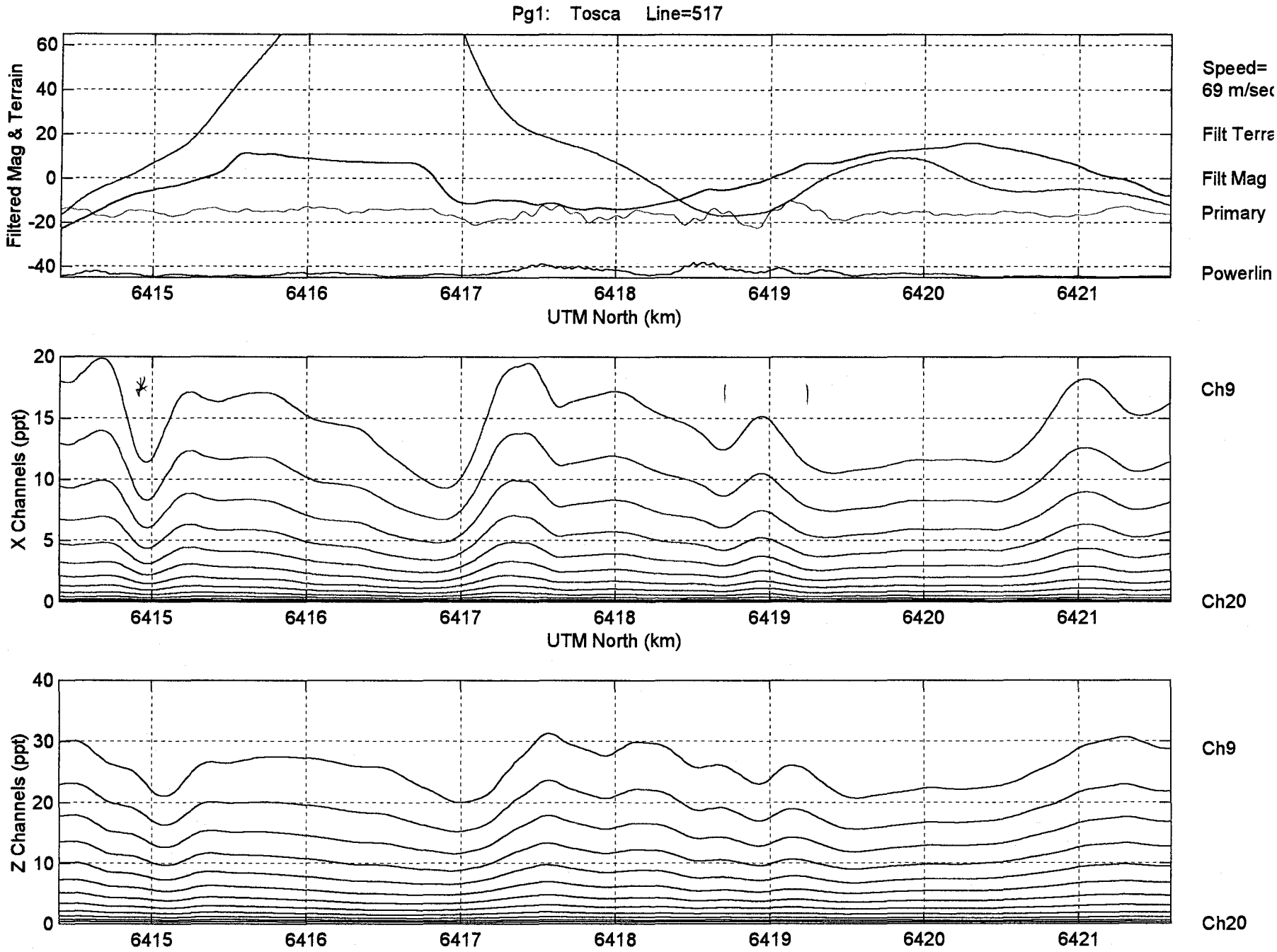

Pg1: Tosca Line=512
Filtered Mag & Terrain
60
40
20
0
-20
-40
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Speed=
-62 m/se
Filt Terra
Filt Mag
Primary
Powerlin
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

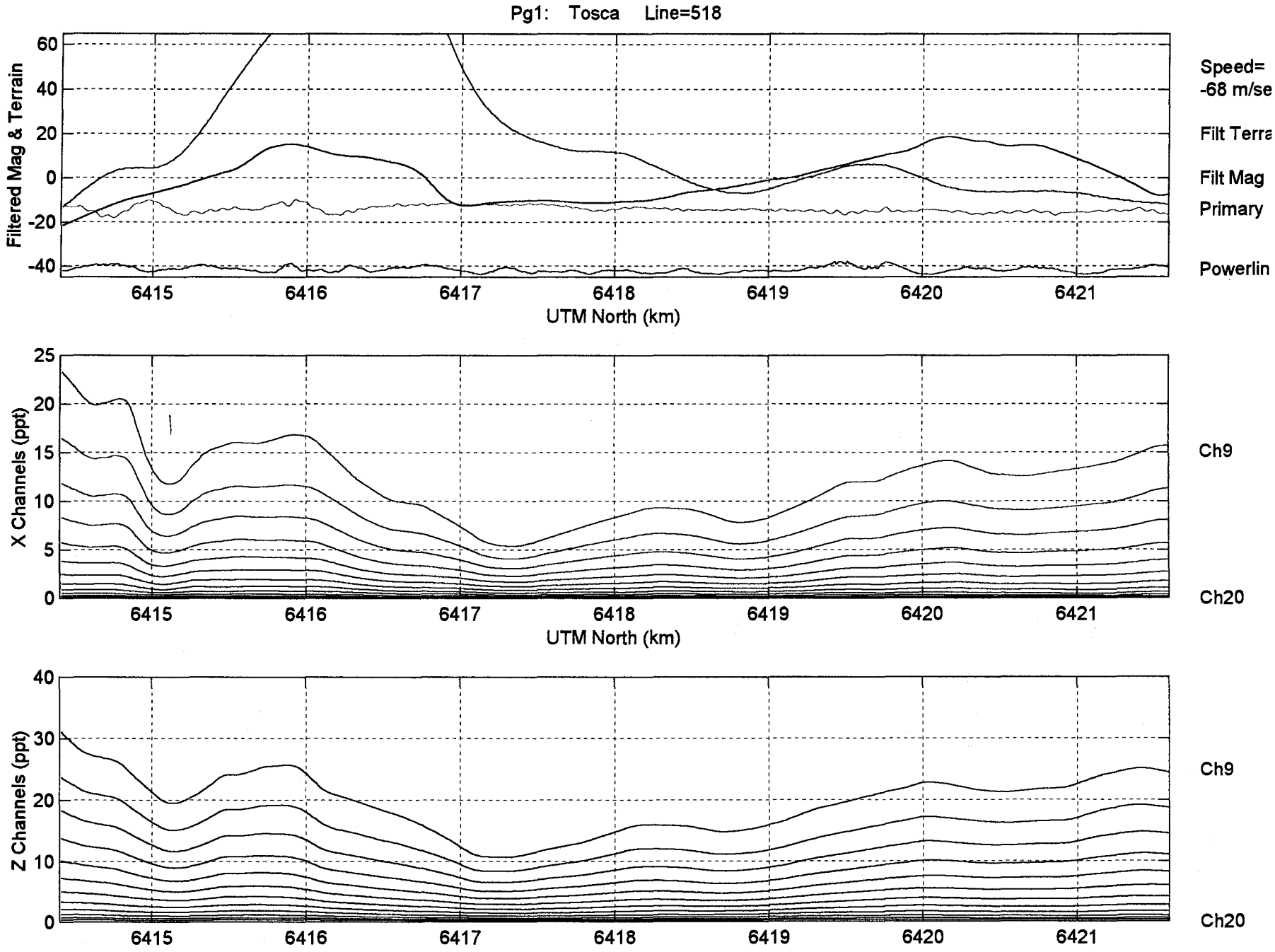

Pg1: Tosca Line=513
Filtered Mag & Terrain
60
40
20
0
-20
-40
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Speed=
70 m/sec
Filt Terra
Filt Mag
Primary
Powerlin
X Channels (ppt)
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0

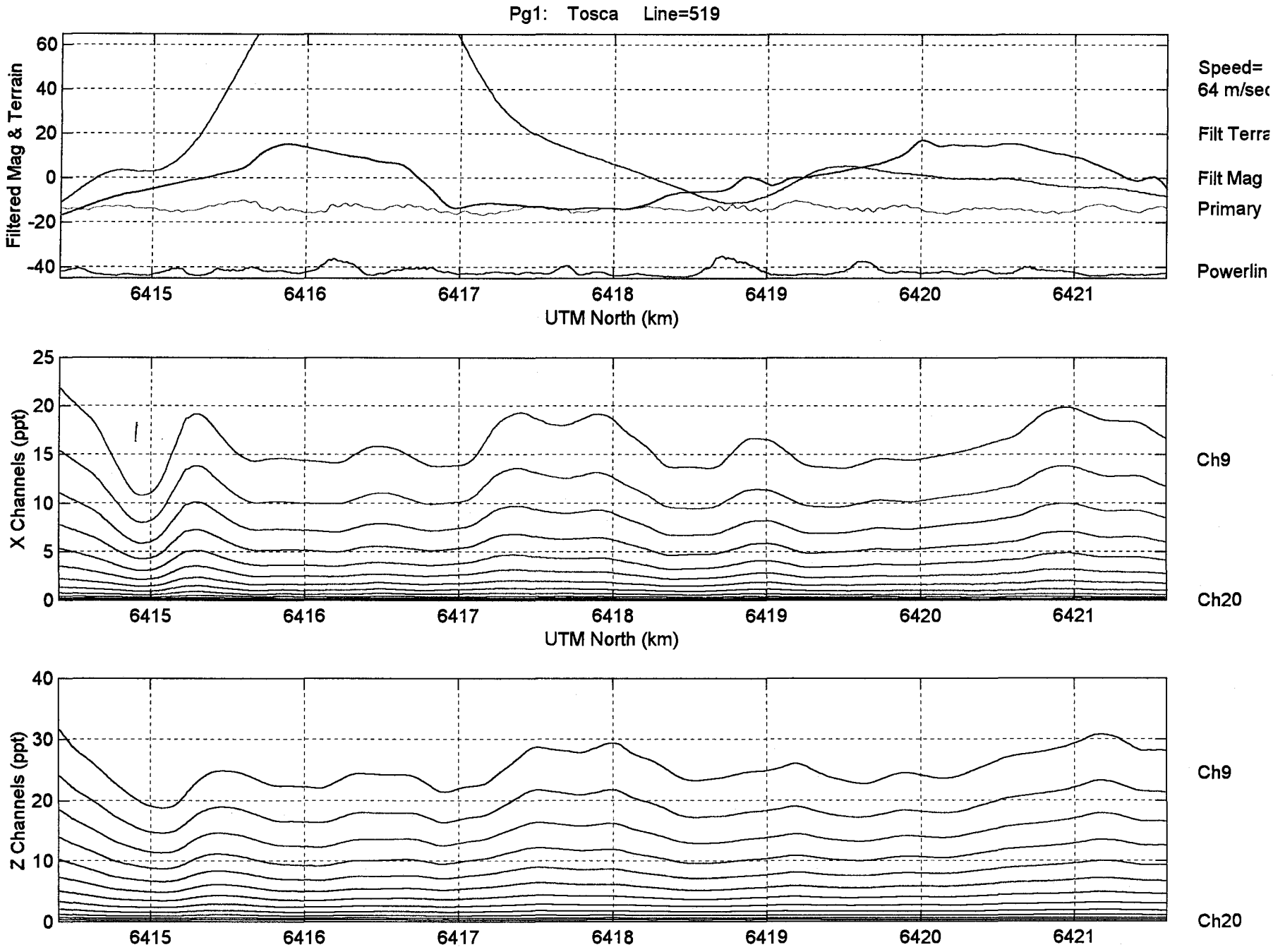

Pg1: Tosca Line=514
Filtered Mag & Terrain
60
40
20
0
-20
-40
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Speed=
-64 m/se
Filt Terra
Filt Mag
Primary
Powerlin
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

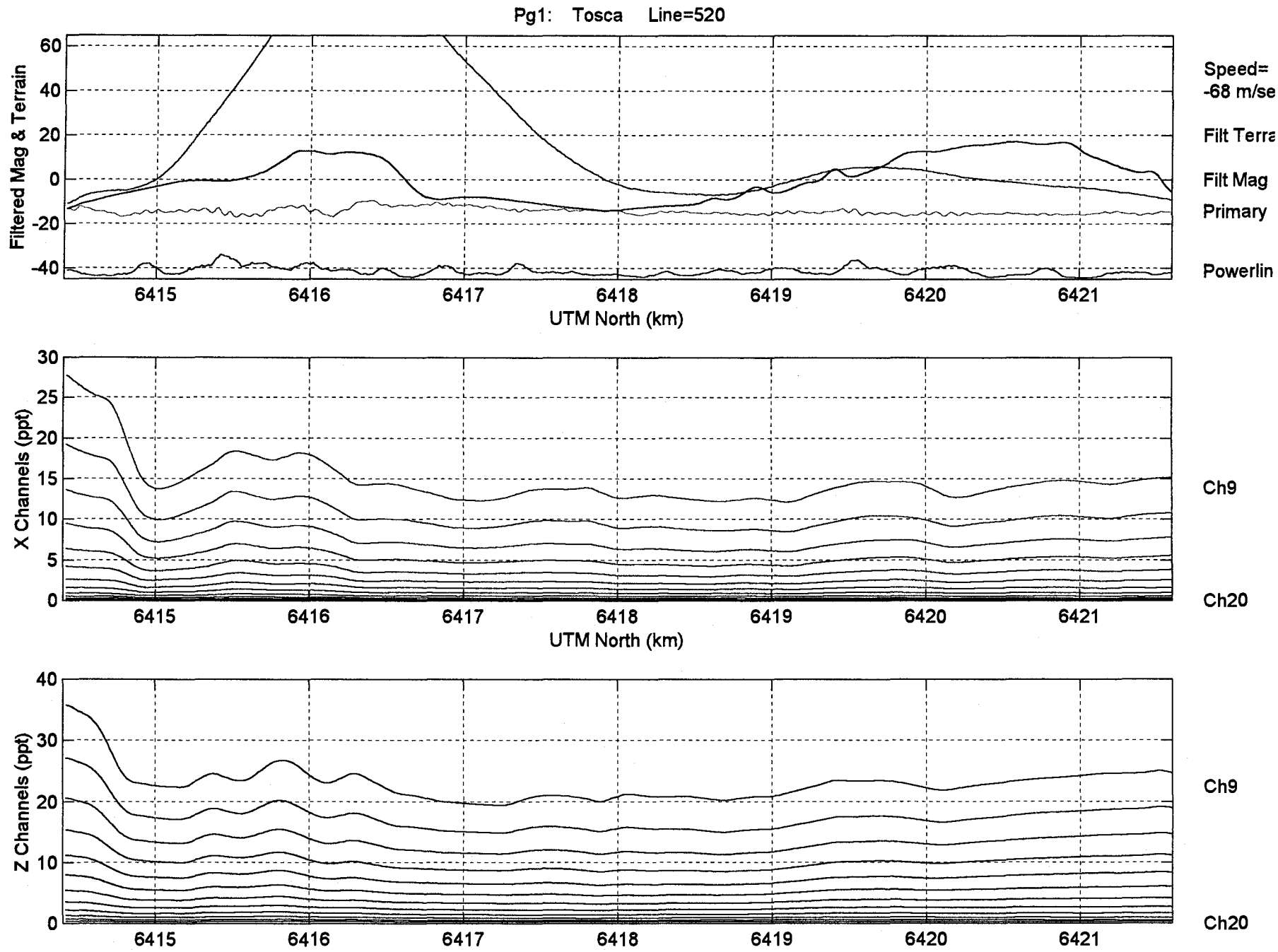

Pg1: Tosca Line=515
Filtered Mag & Terrain
60
40
20
0
-20
-40
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Speed=
71 m/sec
Filt Terra
Filt Mag
Primary
Powerlin
X Channels (ppt)
25
20
15
10
5
0
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0
6415
6416
6417
6418
6419
6420
6421
Ch9
Ch20

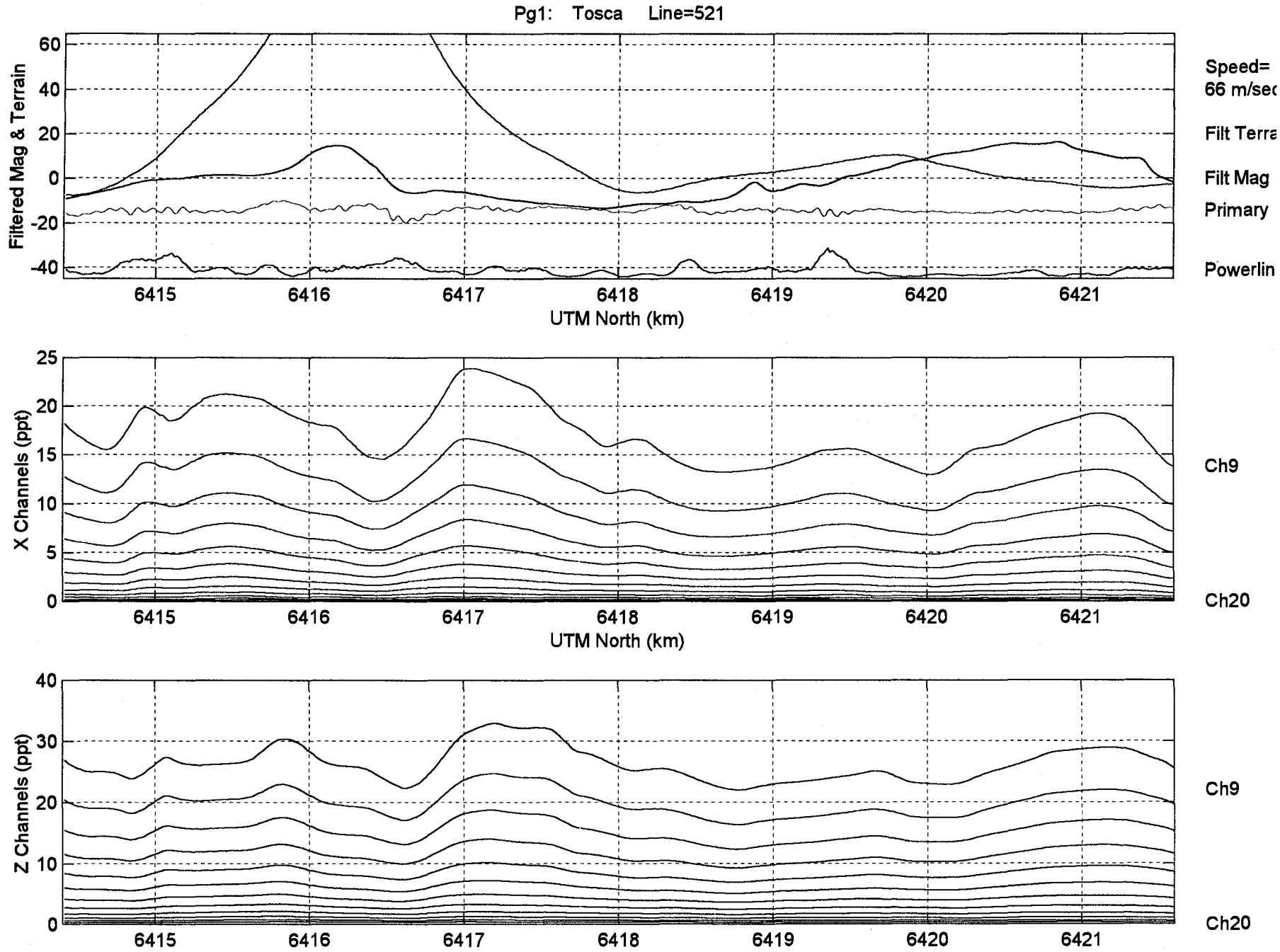

Pg1: Tosca Line=516
Filtered Mag & Terrain
60
40
20
0
-20
-40
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Speed=
-64 m/se
Filt Terra
Filt Mag
Primary
Powerlin
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

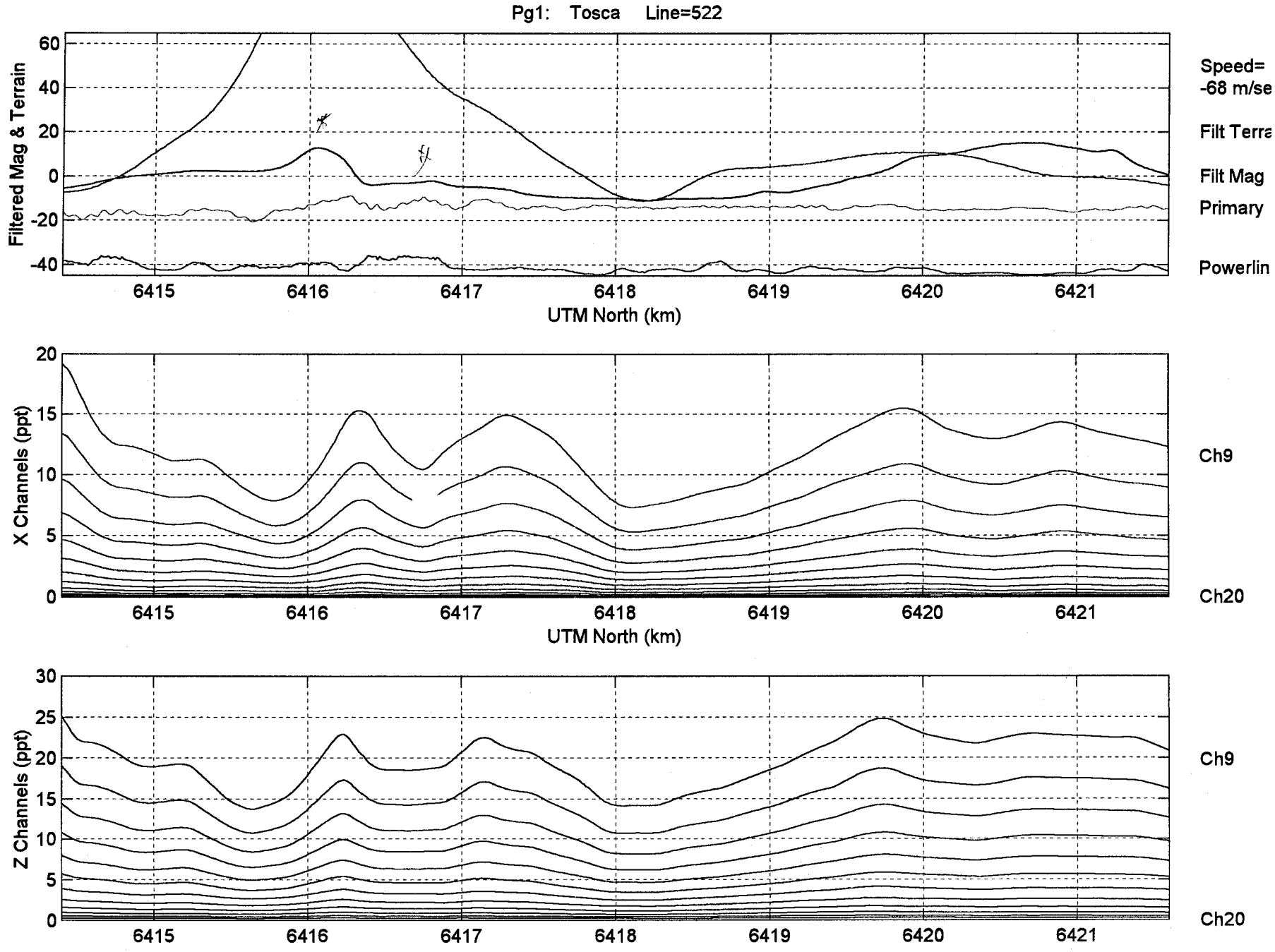

Pg1: Tosca Line=517
Filtered Mag & Terrain
60
40
20
0
-20
-40
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Speed=
69 m/sec
Filt Terra
Filt Mag
Primary
Powerlin
X Channels (ppt)
20
15
10
5
0
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0
6415
6416
6417
6418
6419
6420
6421
Ch9
Ch20

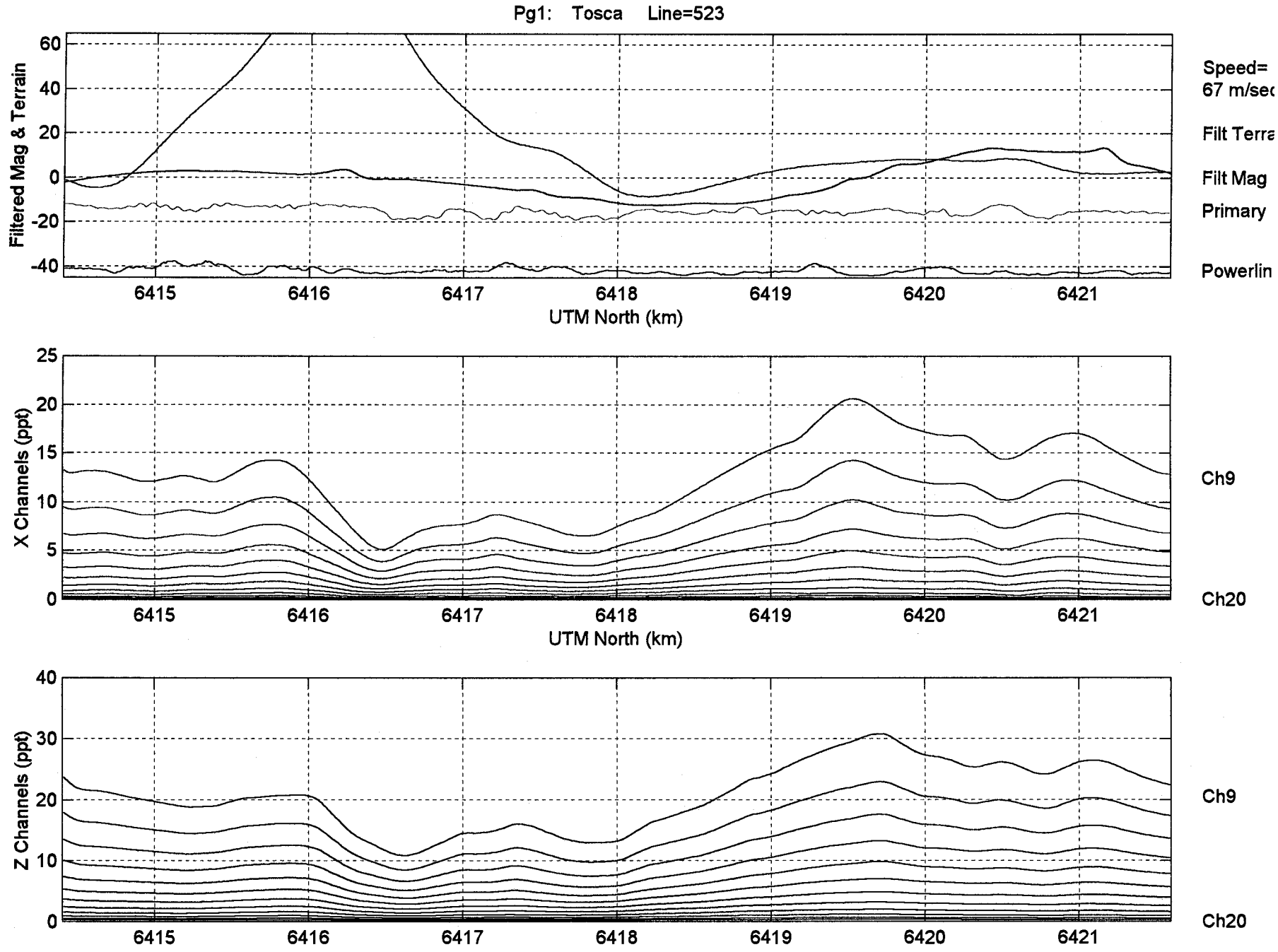

Pg1: Tosca Line=518
Filtered Mag & Terrain
60
40
20
0
-20
-40
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Speed=
-68 m/se
Filt Terra
Filt Mag
Primary
Powerlin
X Channels (ppt)
25
20
15
10
5
0
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0
6415
6416
6417
6418
6419
6420
6421
Ch9
Ch20

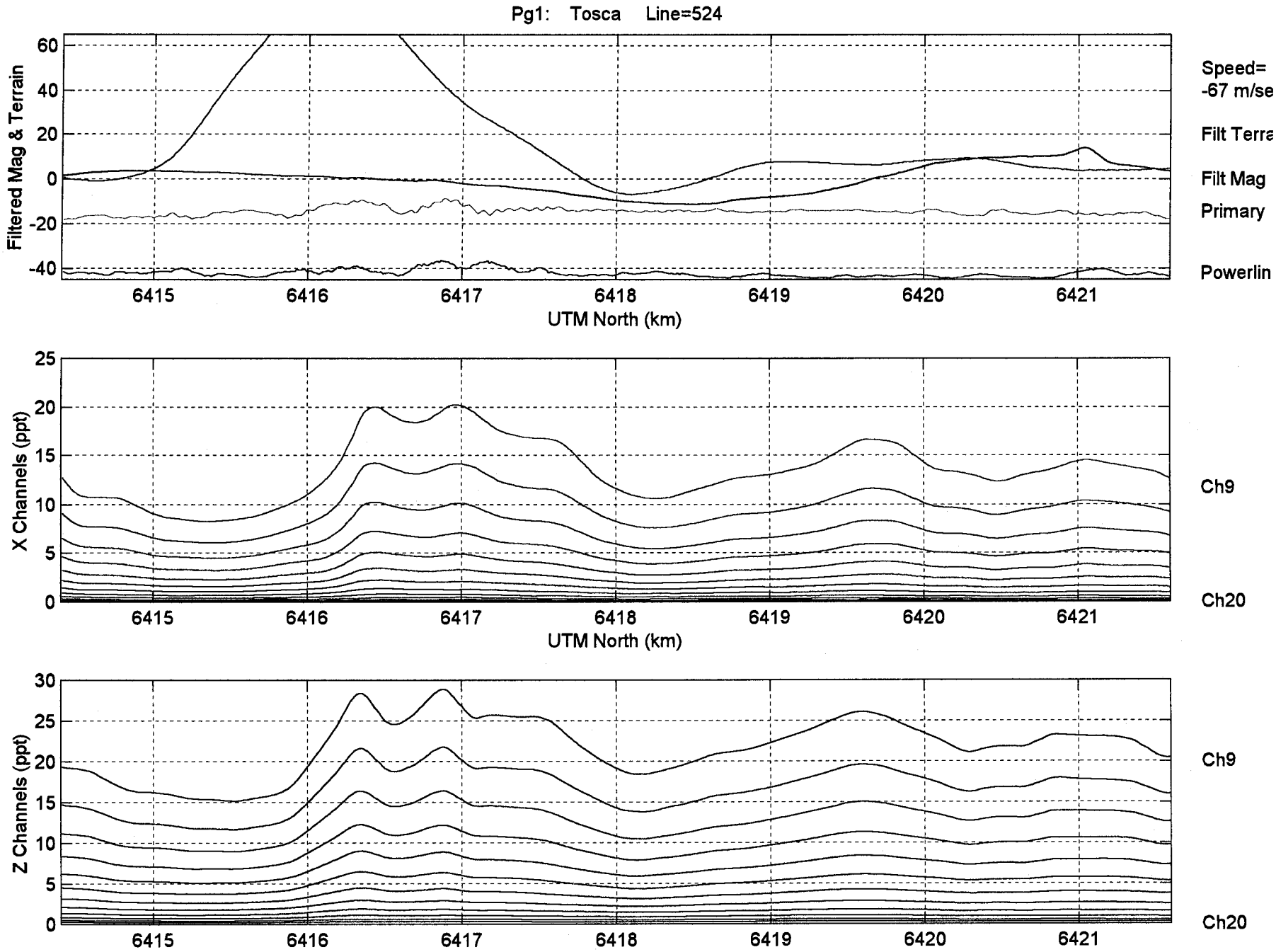

Pg1: Tosca Line=519
Filtered Mag & Terrain
60
40
20
0
-20
-40
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Speed=
64 m/sec
Filt Terra
Filt Mag
Primary
Powerlin
X Channels (ppt)
25
20
15
10
5
0
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0
6415
6416
6417
6418
6419
6420
6421
Ch9
Ch20

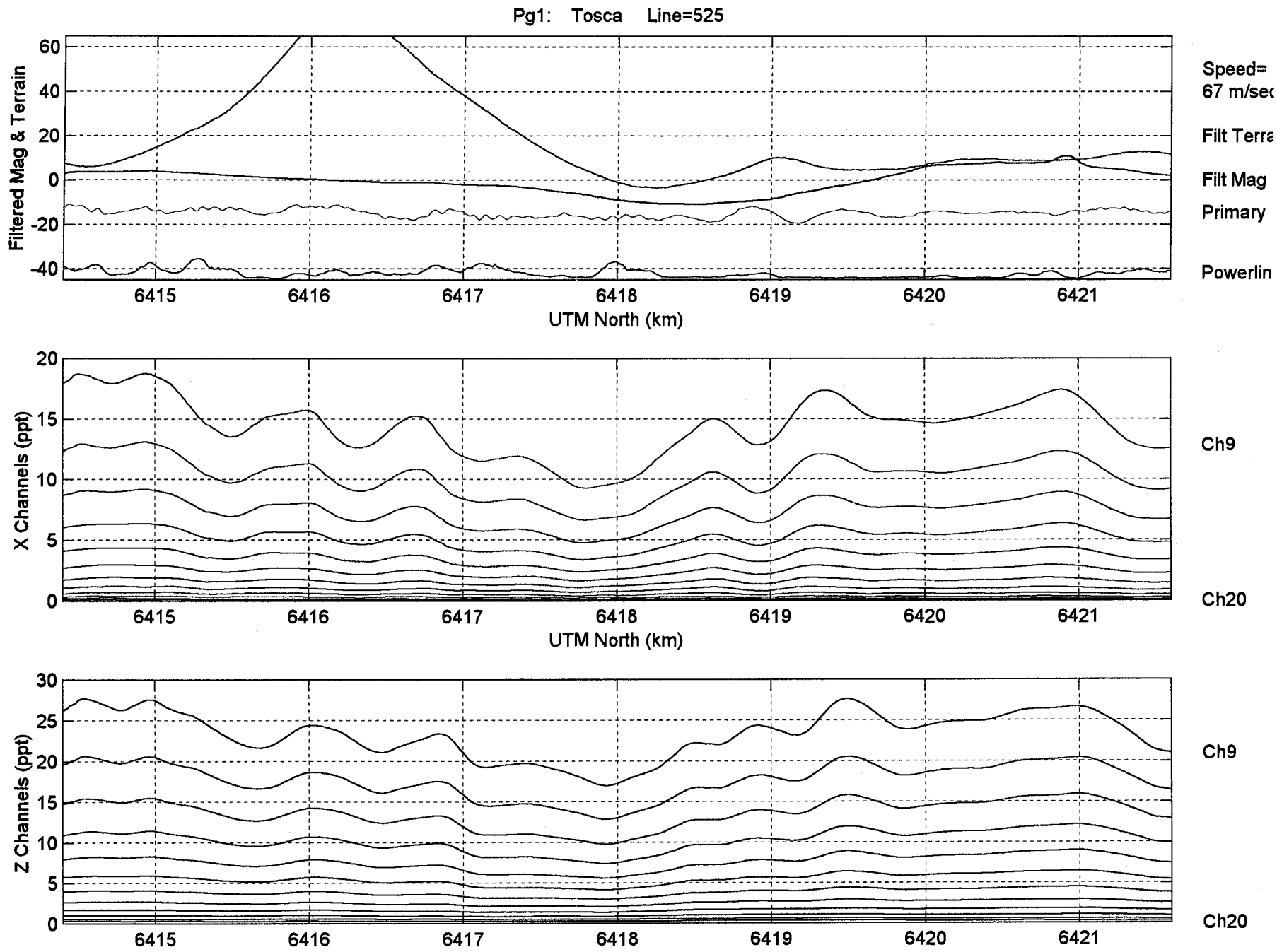

Pg1: Tosca Line=520
Filtered Mag & Terrain
60
40
20
0
-20
-40
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Speed=
-68 m/se
Filt Terra
Filt Mag
Primary
Powerlin
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

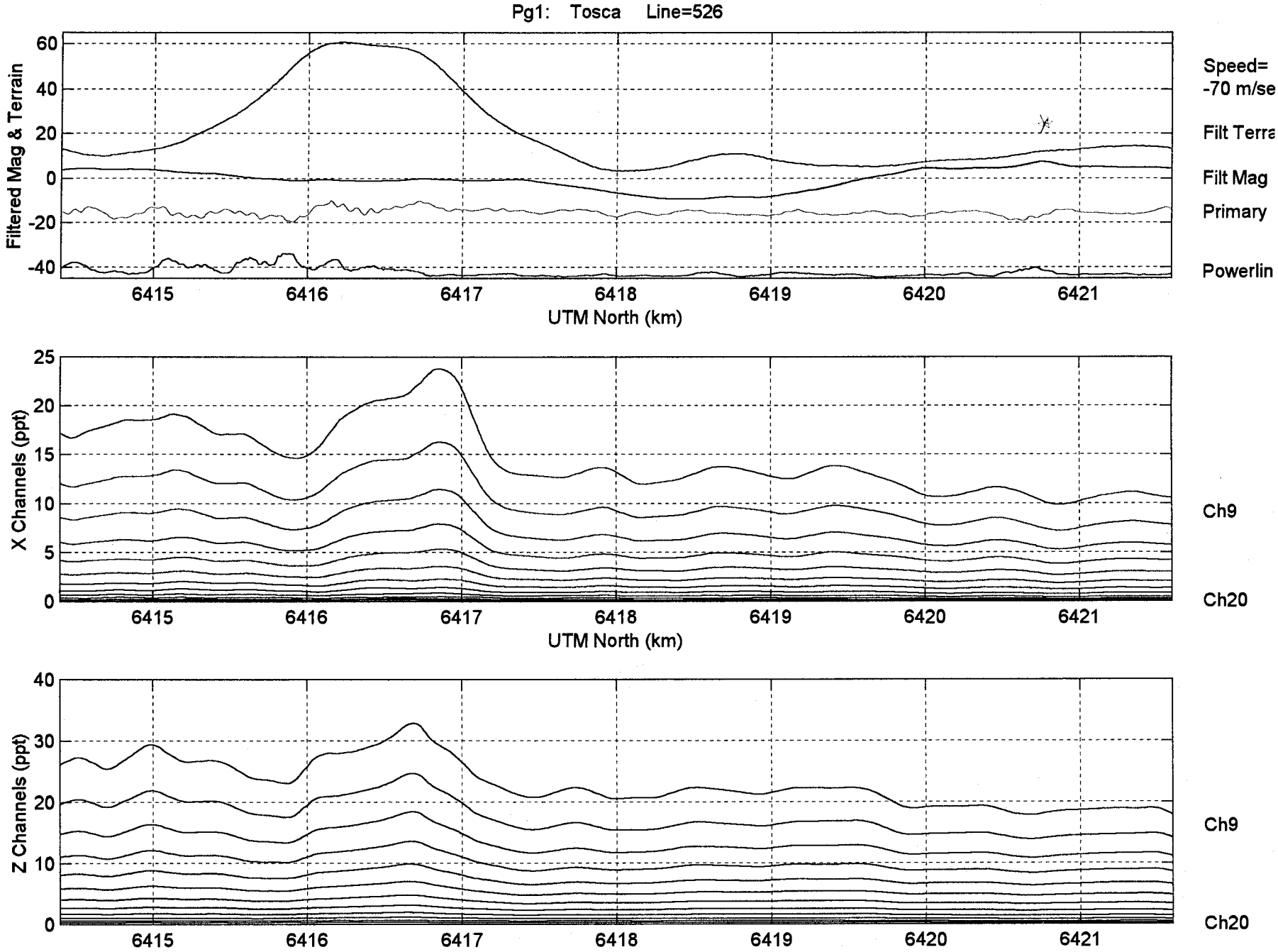

Pg1: Tosca Line=521
Filtered Mag & Terrain
60
40
20
0
-20
-40
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Speed=
66 m/sec
Filt Terra
Filt Mag
Primary
Powerlin
X Channels (ppt)
25
20
15
10
5
0
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0
6415
6416
6417
6418
6419
6420
6421
Ch9
Ch20

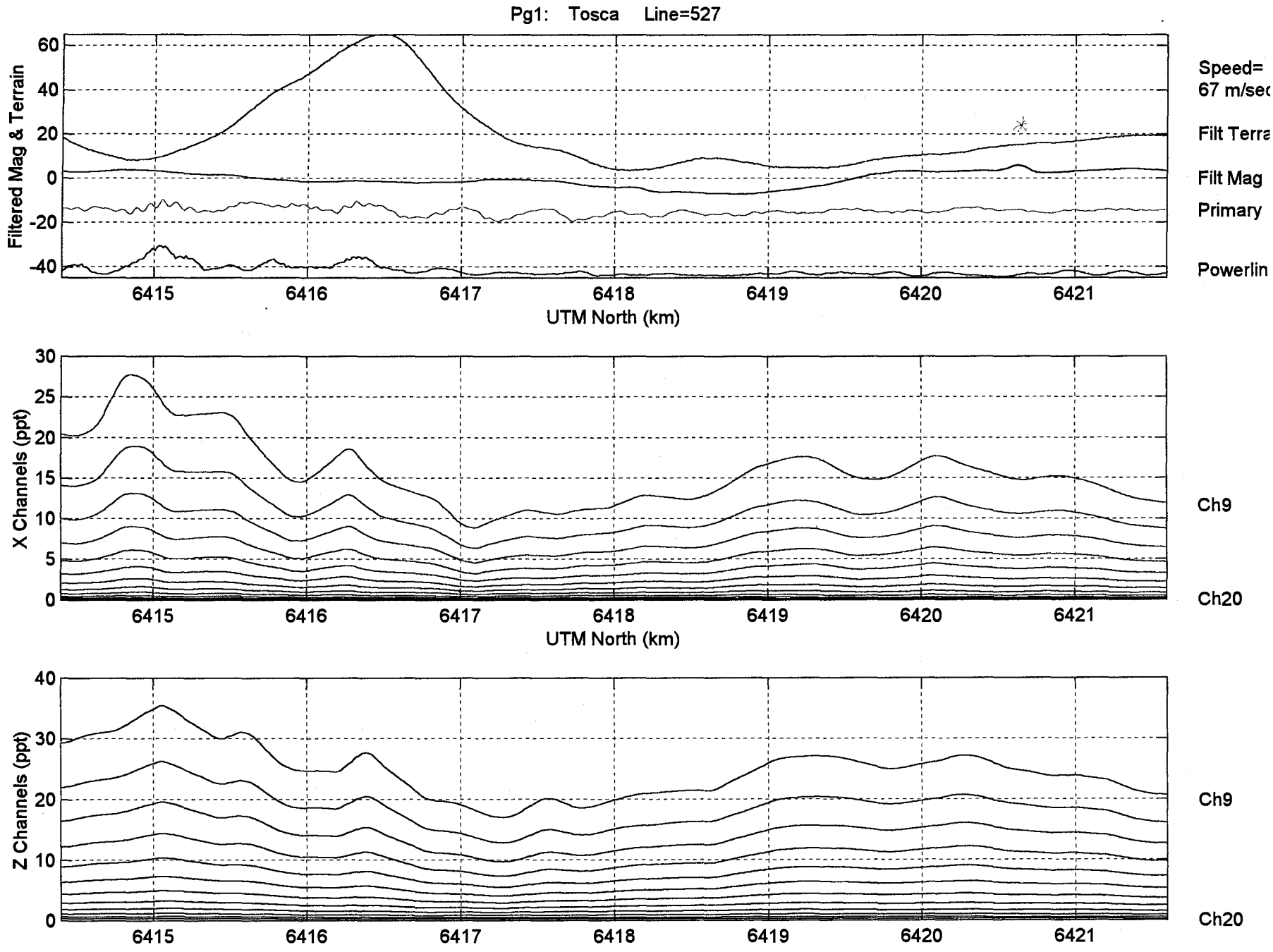

Pg1: Tosca Line=522
Filtered Mag & Terrain
60
40
20
0
-20
-40
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Speed=
-68 m/se
Filt Terra
Filt Mag
Primary
Powerlin
X Channels (ppt)
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20

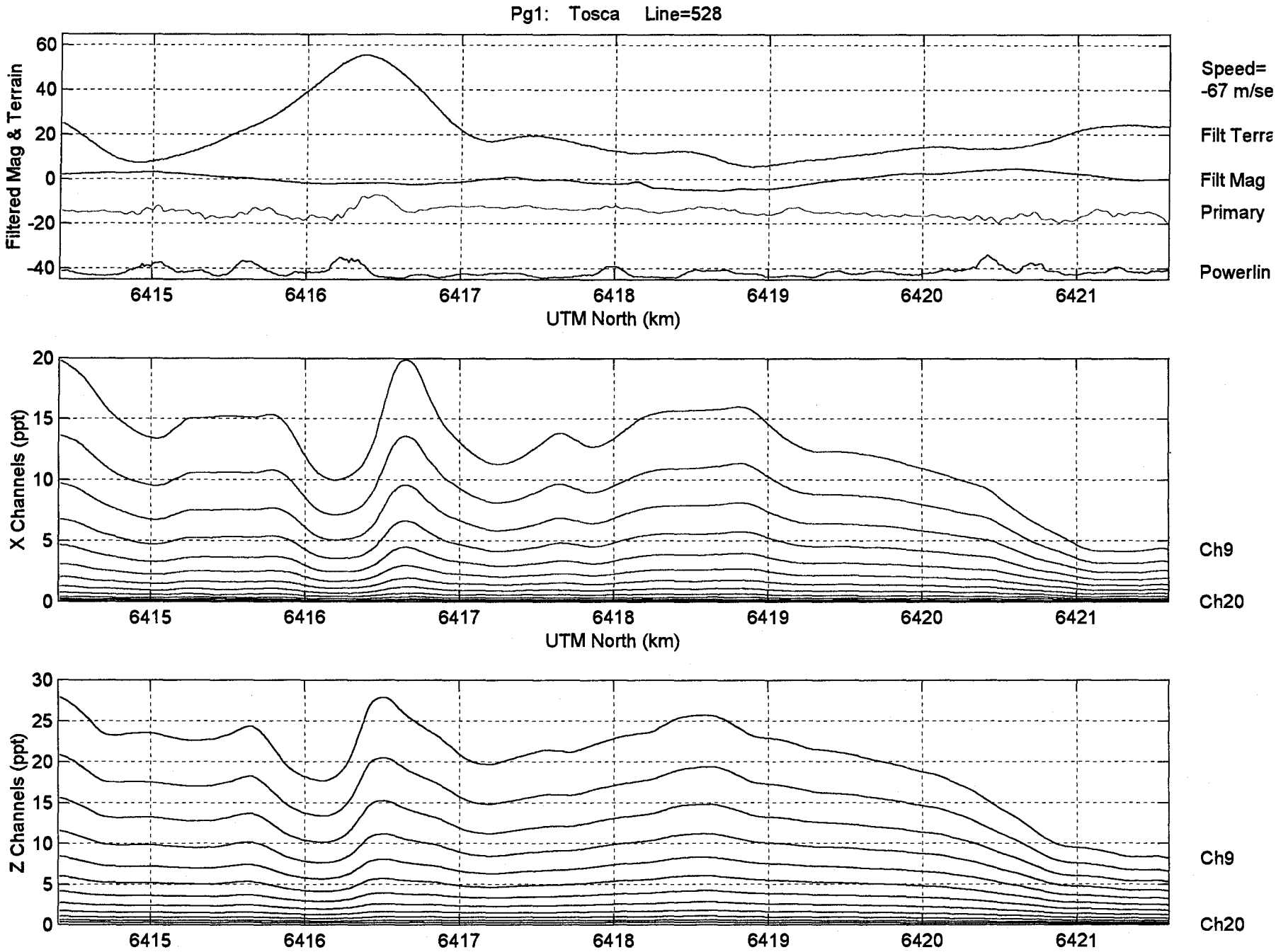

Pg1: Tosca Line=523
Filtered Mag & Terrain
60
40
20
0
-20
-40
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Speed=
67 m/sec
Filt Terra
Filt Mag
Primary
Powerlin
X Channels (ppt)
25
20
15
10
5
0
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0
6415
6416
6417
6418
6419
6420
6421
Ch9
Ch20

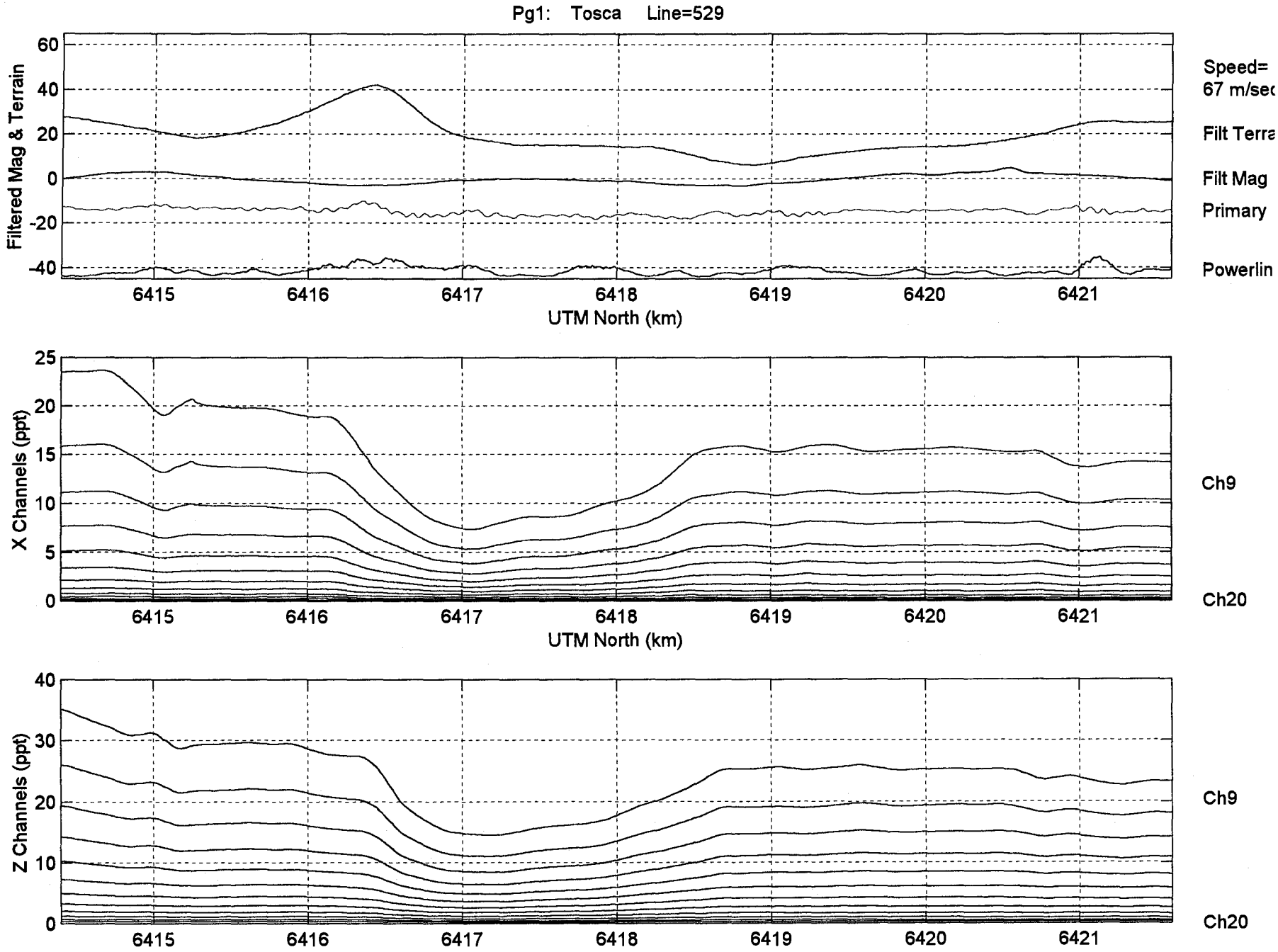

Pg1: Tosca Line=524
Filtered Mag & Terrain
60
40
20
0
-20
-40
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Speed=
-67 m/se
Filt Terra
Filt Mag
Primary
Powerlin
X Channels (ppt)
25
20
15
10
5
0
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
30
25
20
15
10
5
0
6415
6416
6417
6418
6419
6420
6421
Ch9
Ch20

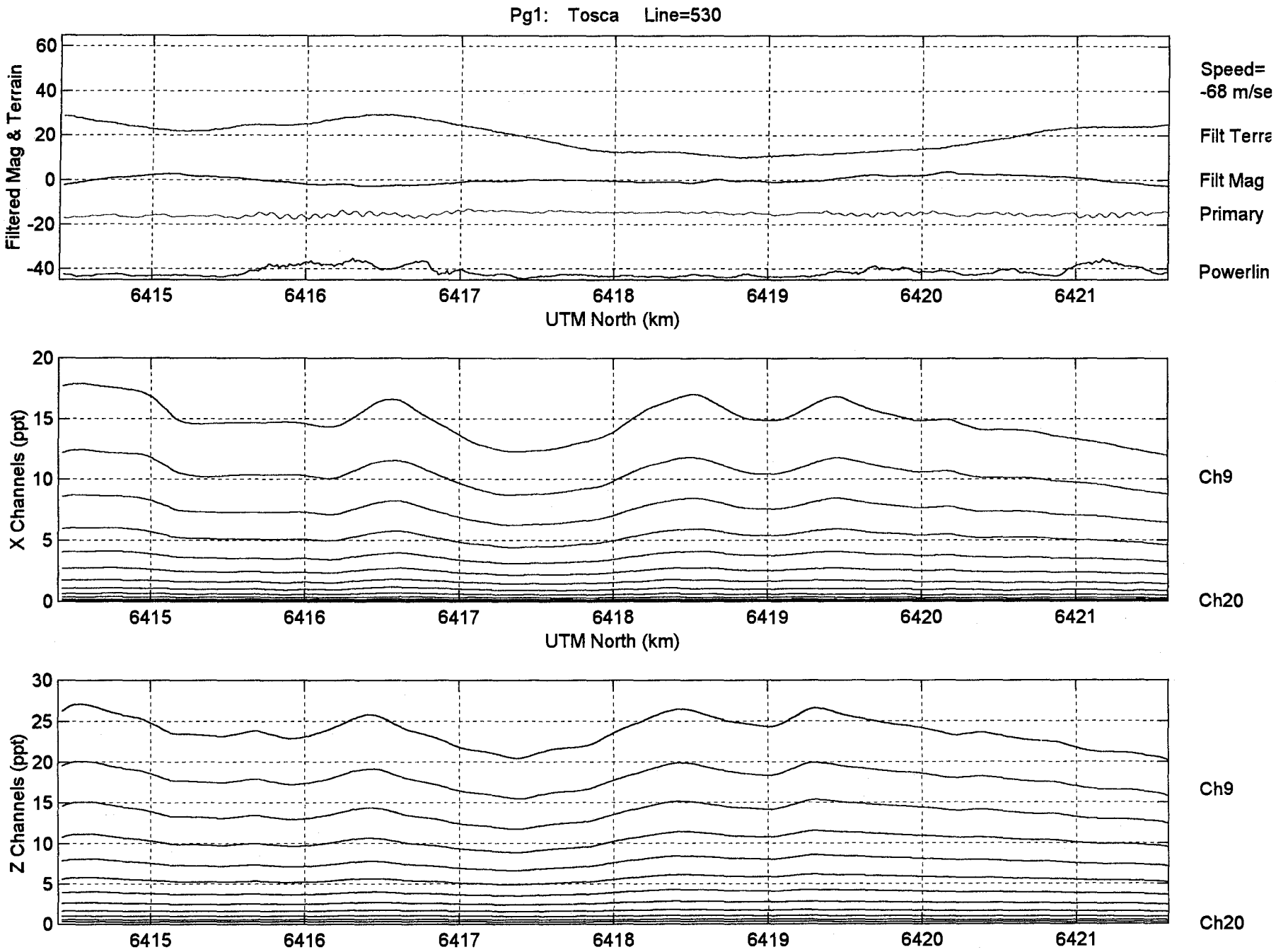

Pg1: Tosca Line=525
Filtered Mag & Terrain
60
40
20
0
-20
-40
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Speed=
67 m/sec
Filt Terra
Filt Mag
Primary
Powerlin
X Channels (ppt)
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
30
25

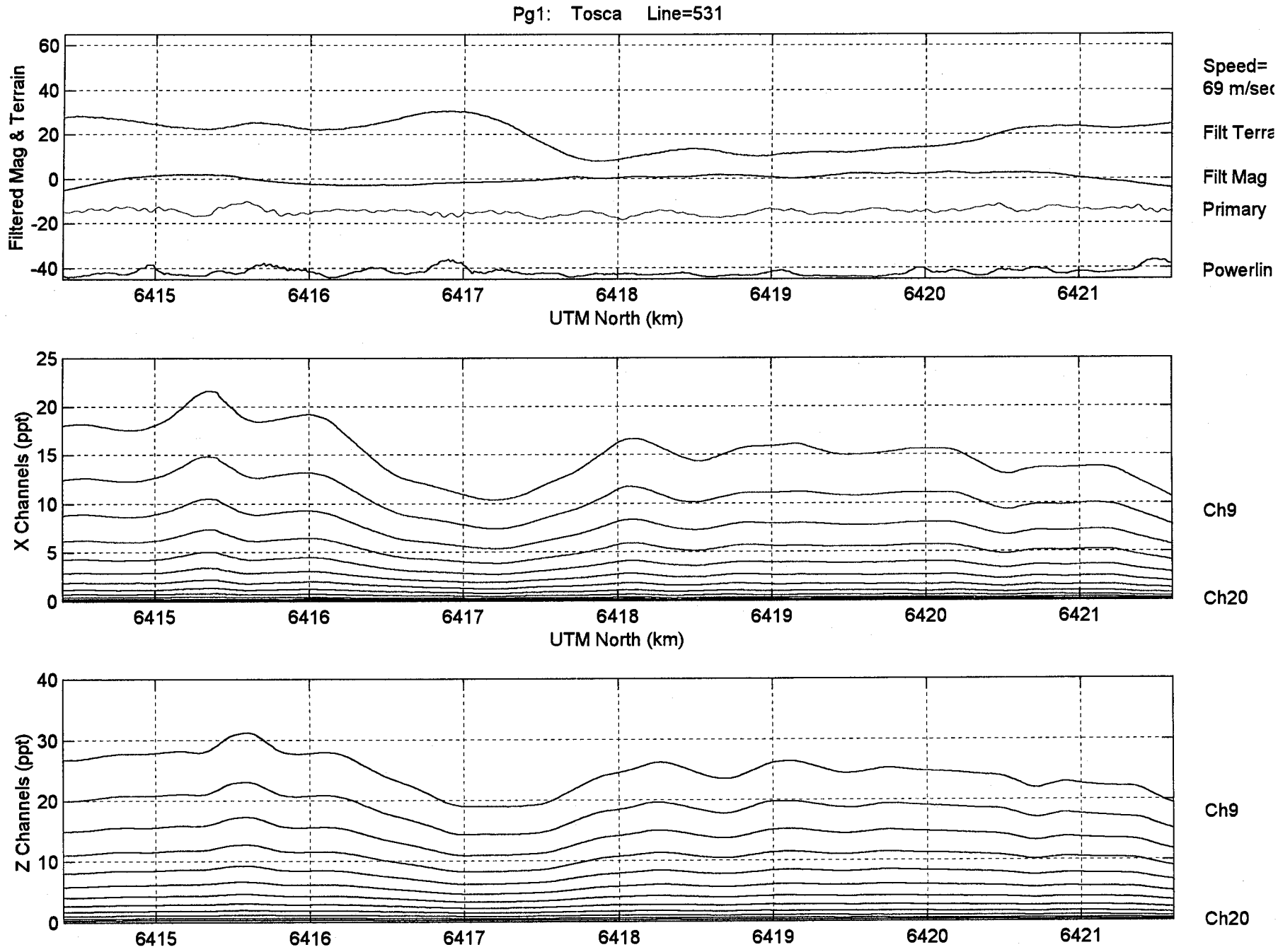

Pg1: Tosca Line=526
Filtered Mag & Terrain
60
40
20
0
-20
-40
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Speed=
-70 m/se
Filt Terra
Filt Mag
Primary
Powerlin
X Channels (ppt)
25
20
15
10
5
0
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0
6415
6416
6417
6418
6419
6420
6421
Ch9
Ch20

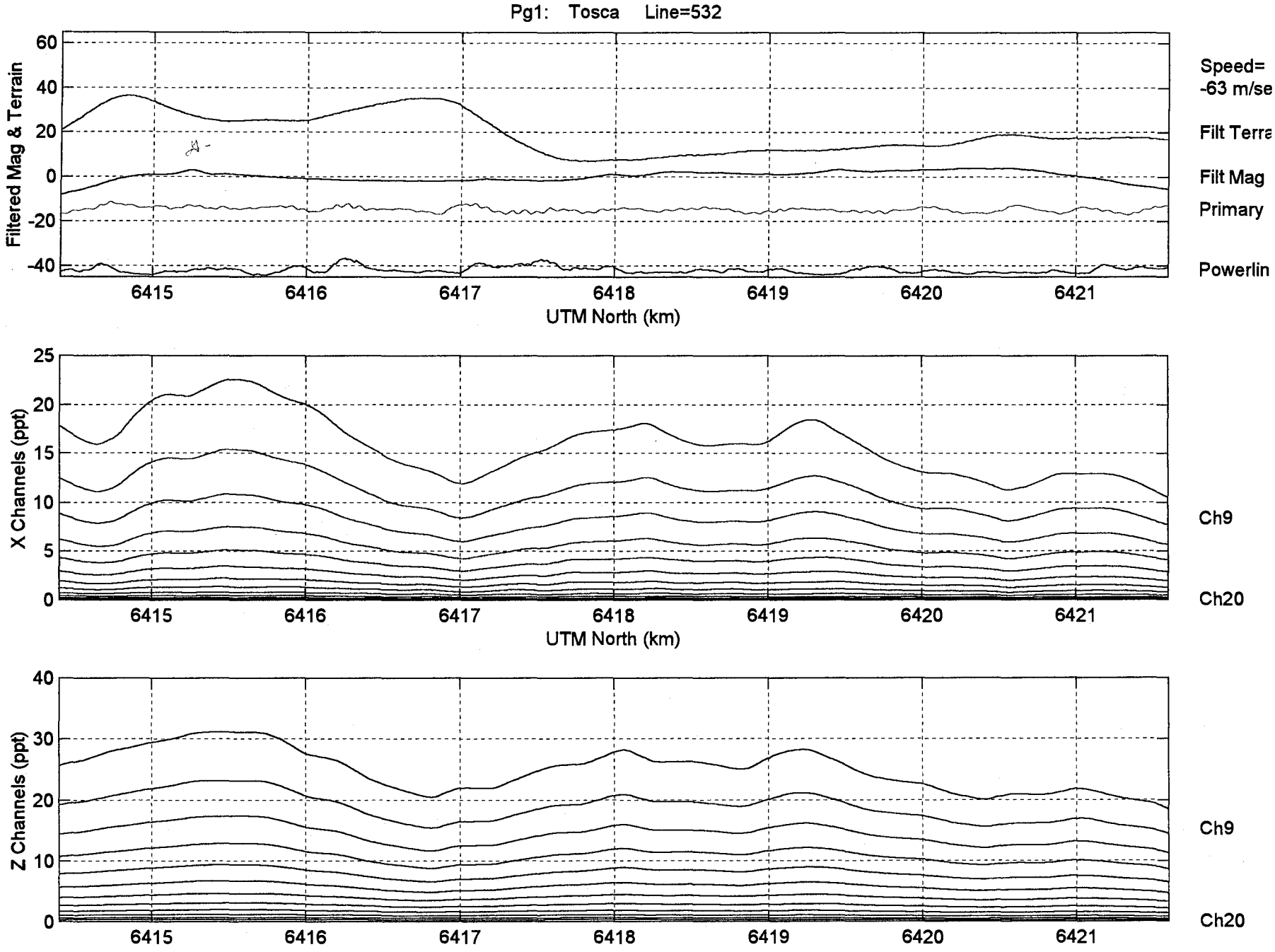

Pg1: Tosca Line=527
Filtered Mag & Terrain
60
40
20
0
-20
-40
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Speed=
67 m/sec
Filt Terra
Filt Mag
Primary
Powerlin
X Channels (ppt)
30
25
20
15
10
5
0
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0
6415
6416
6417
6418
6419
6420
6421
Ch9
Ch20

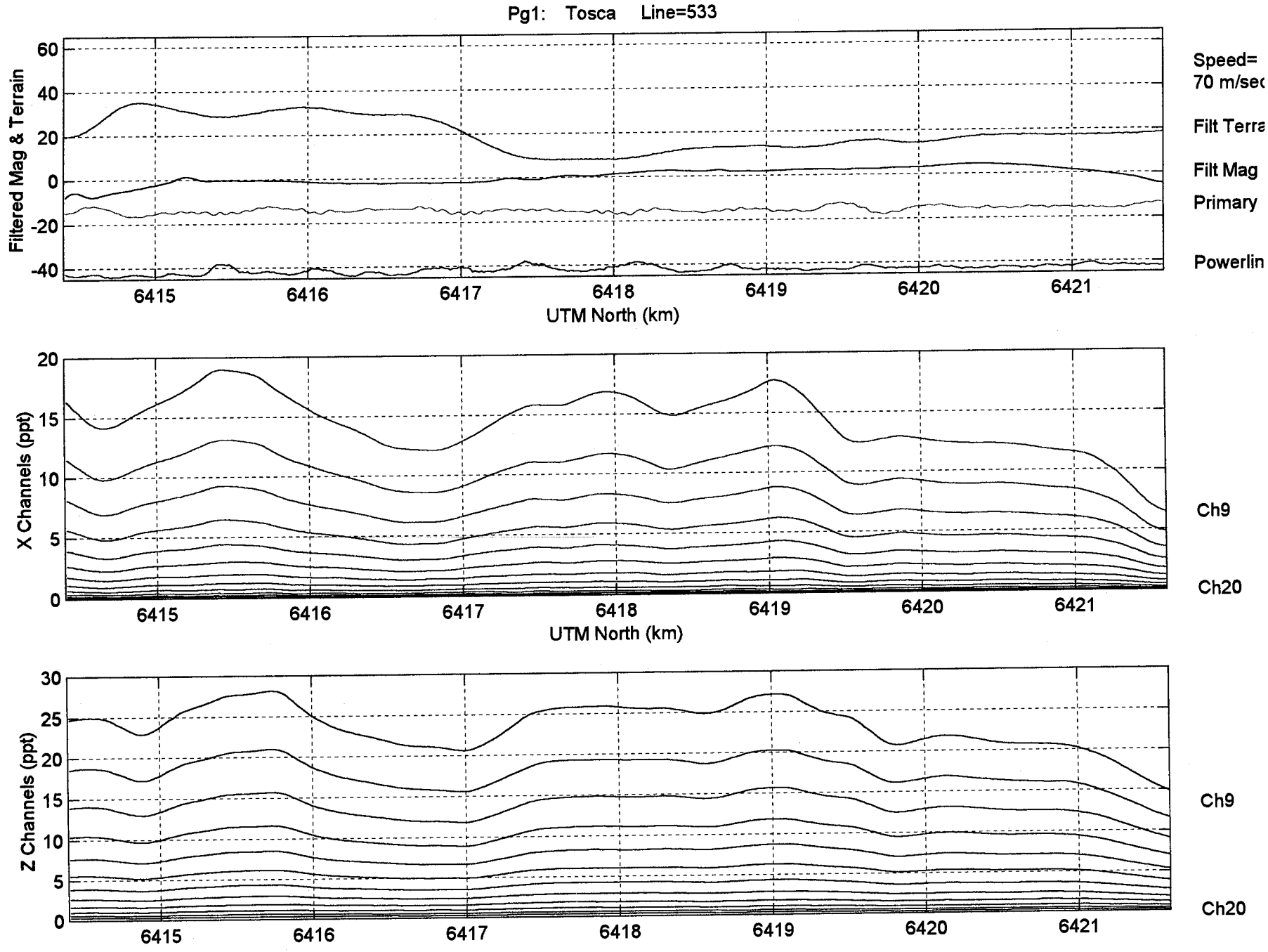

Pg1: Tosca Line=528
Filtered Mag & Terrain
60
40
20
0
-20
-40
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Speed=
-67 m/se
Filt Terra
Filt Mag
Primary
Powerlin
X Channels (ppt)
20
15
10
5
0
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
30
25
20
15
10
5
0
6415
6416
6417
6418
6419
6420
6421
Ch9
Ch20

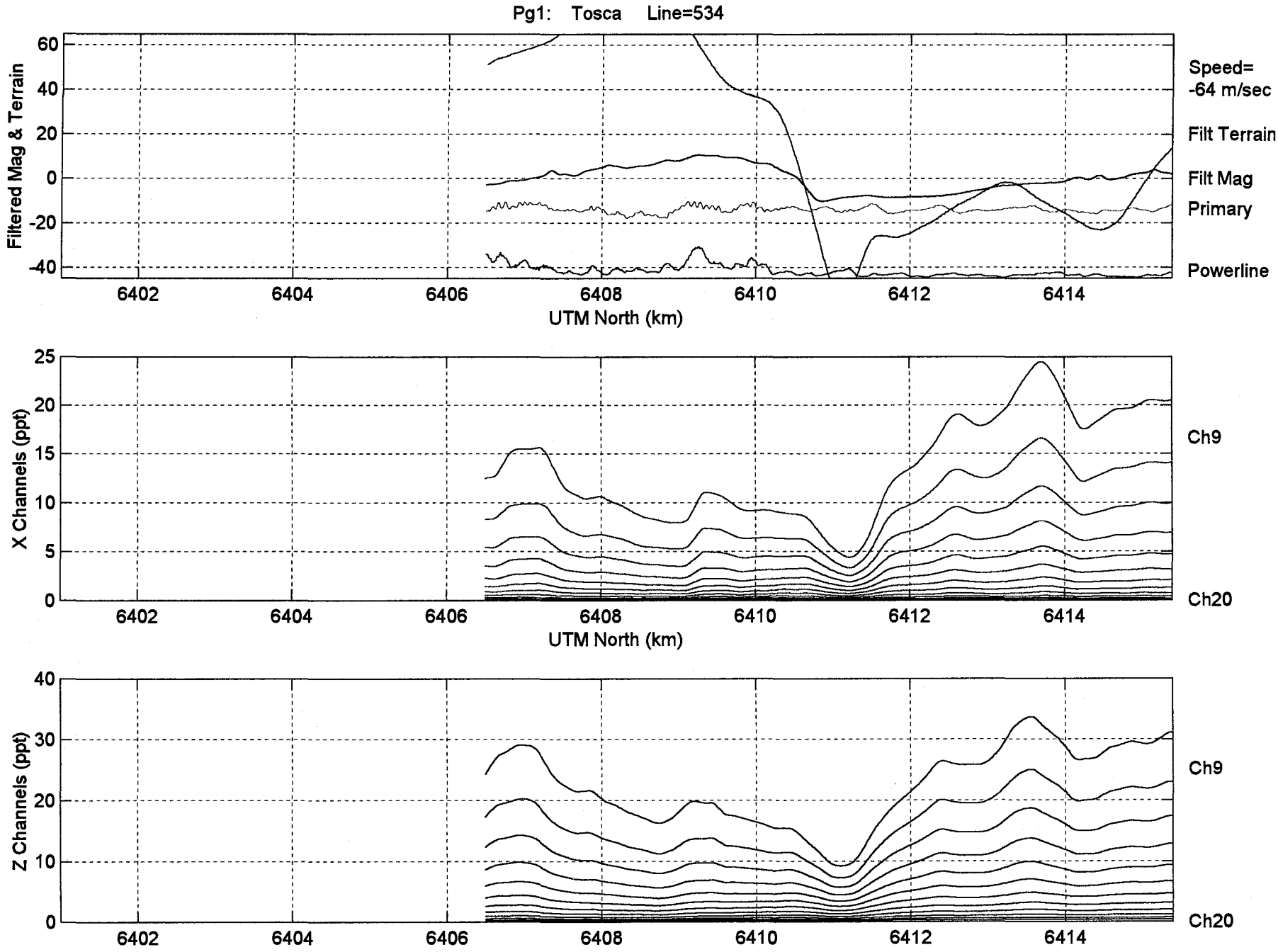

Pg1: Tosca Line=529
Filtered Mag & Terrain
60
40
20
0
-20
-40
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Speed=
67 m/sec
Filt Terra
Filt Mag
Primary
Powerlin
X Channels (ppt)
25
20
15
10
5
0
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0
6415
6416
6417
6418
6419
6420
6421
Ch9
Ch20

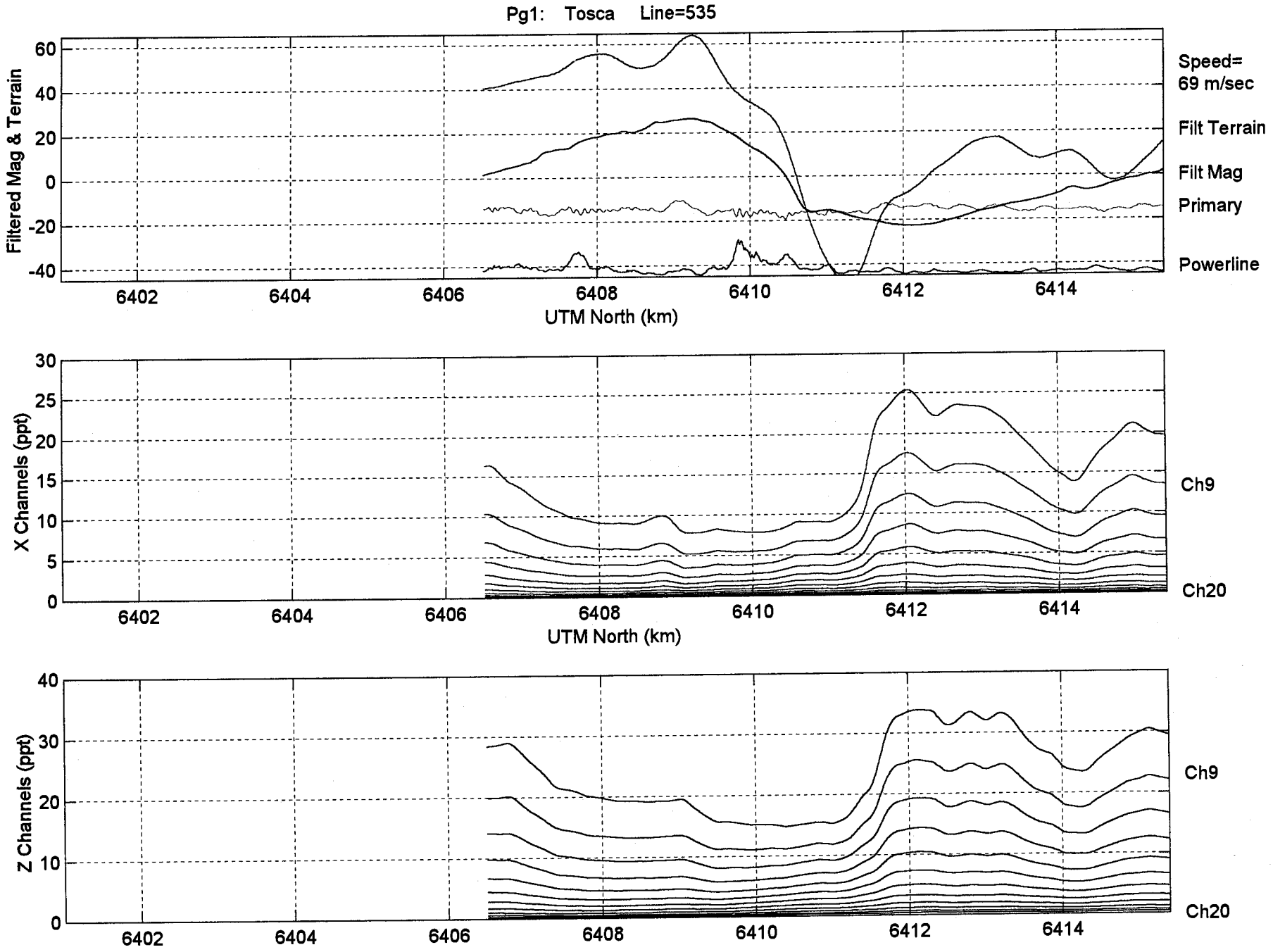

Pg1: Tosca Line=530
Filtered Mag & Terrain
60
40
20
0
-20
-40
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Speed=
-68 m/se
Filt Terra
Filt Mag
Primary
Powerlin
X Channels (ppt)
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
30
25

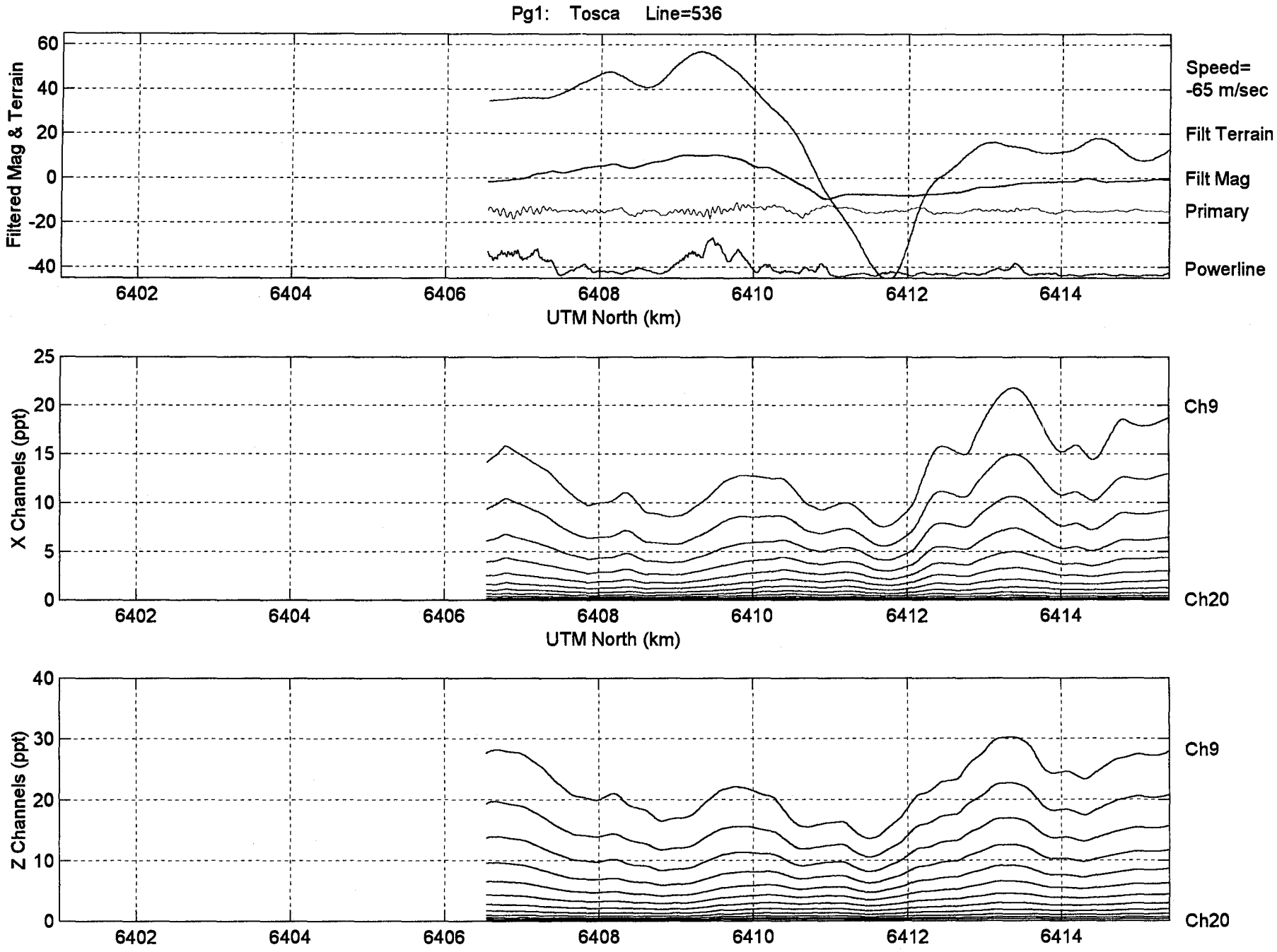

Pg1: Tosca Line=531
Filtered Mag & Terrain
60
40
20
0
-20
-40
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Speed=
69 m/sec
Filt Terra
Filt Mag
Primary
Powerlin
X Channels (ppt)
25
20
15
10
5
0
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0
6415
6416
6417
6418
6419
6420
6421
Ch9
Ch20

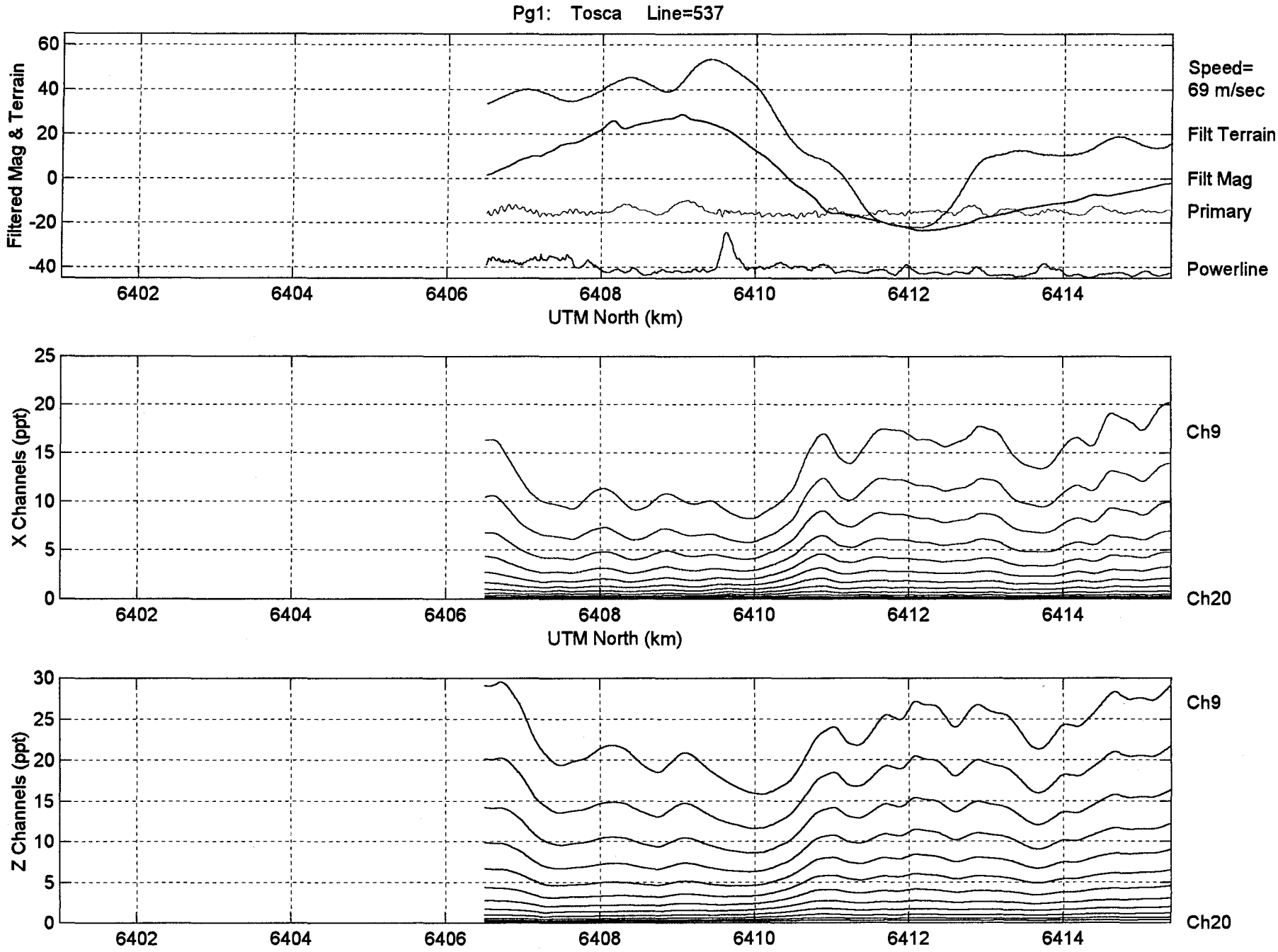

Pg1: Tosca Line=532
Filtered Mag & Terrain
60
40
20
0
-20
-40
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Speed=
-63 m/se
Filt Terra
Filt Mag
Primary
Powerlin
X Channels (ppt)
25
20
15
10
5
0
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0
6415
6416
6417
6418
6419
6420
6421
Ch9
Ch20

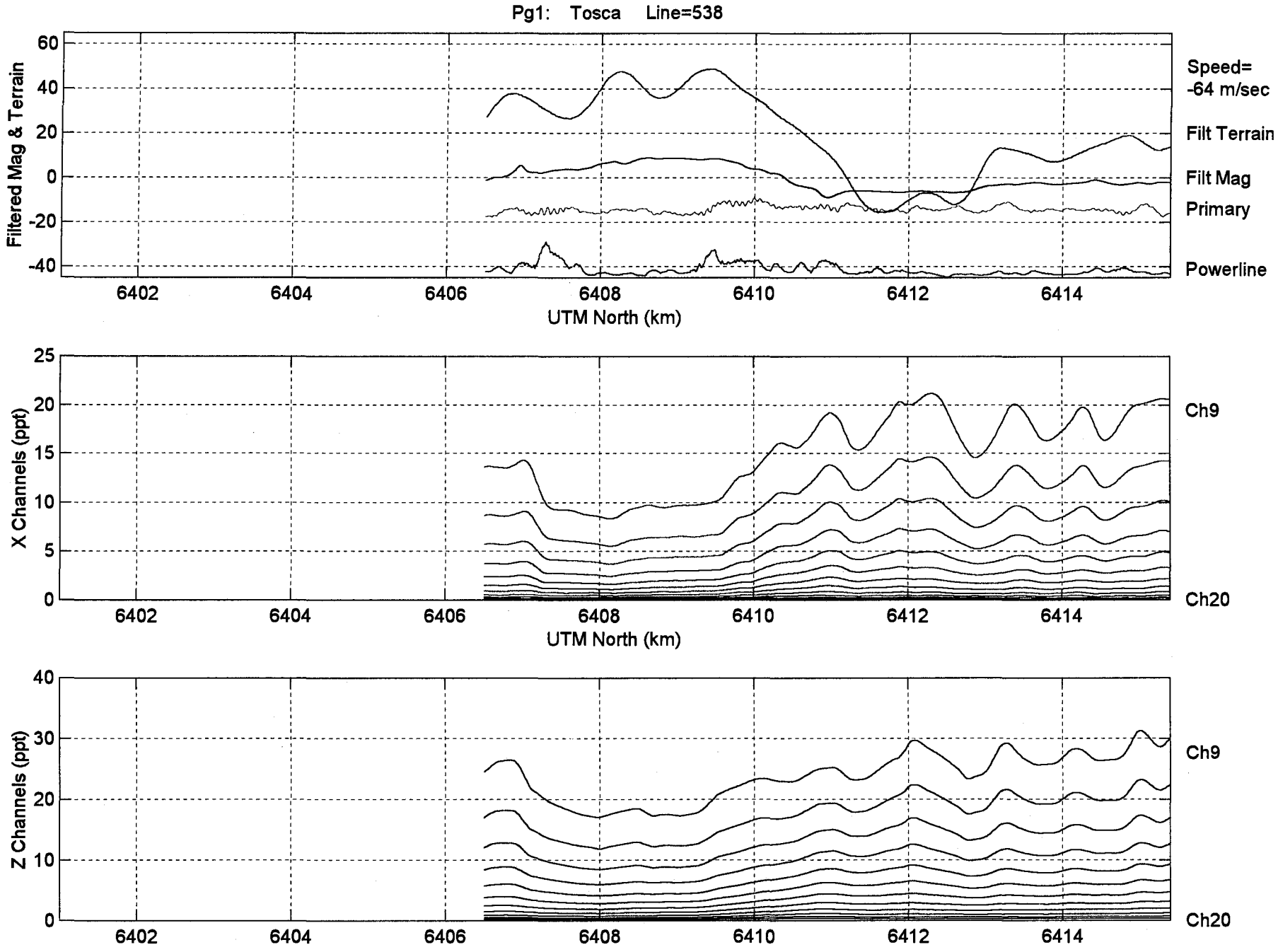

Pg1: Tosca Line=533
Filtered Mag & Terrain
60
40
20
0
-20
-40
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Speed=
70 m/sec
Filt Terra
Filt Mag
Primary
Powerlin
X Channels (ppt)
20
15
10
5
0
6415
6416
6417
6418
6419
6420
6421
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
30
25
20
15
10
5
0
6415
6416
6417
6418
6419
6420
6421
Ch9
Ch20

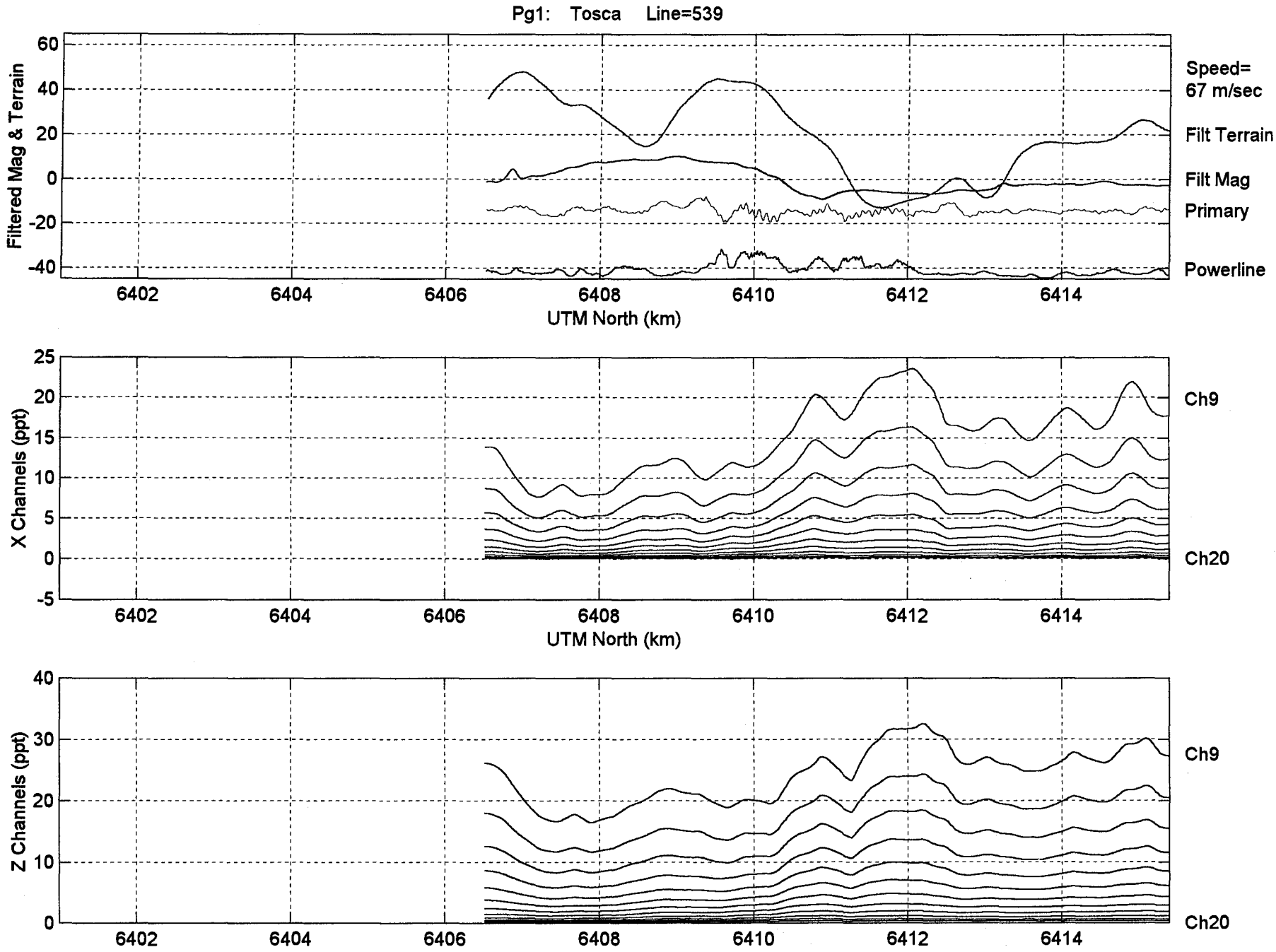

Pg1: Tosca Line=534
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
-64 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

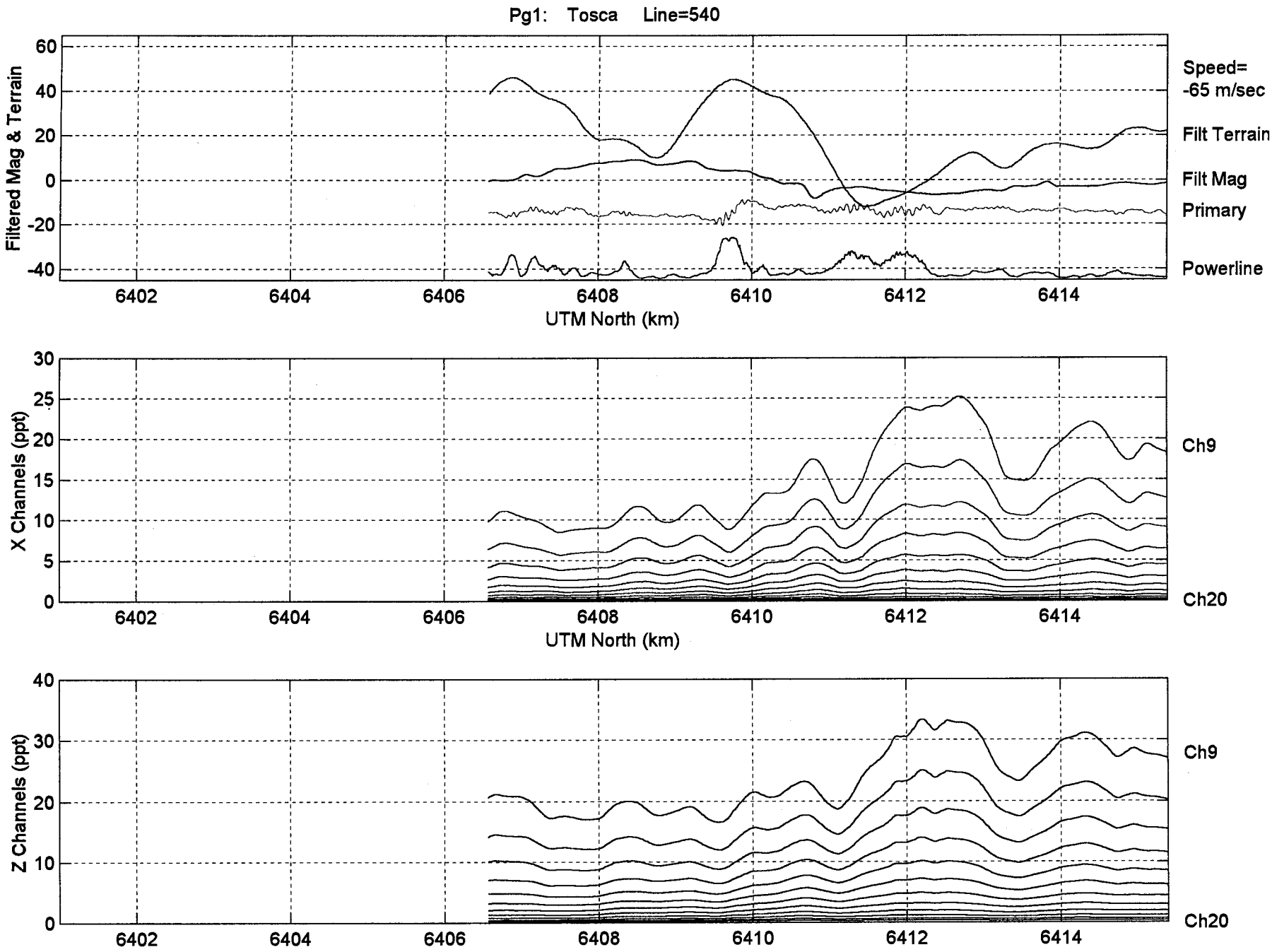

Pg1: Tosca Line=535
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
69 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0
6402
6404
6406
6408
6410
6412
6414
Ch9
Ch20

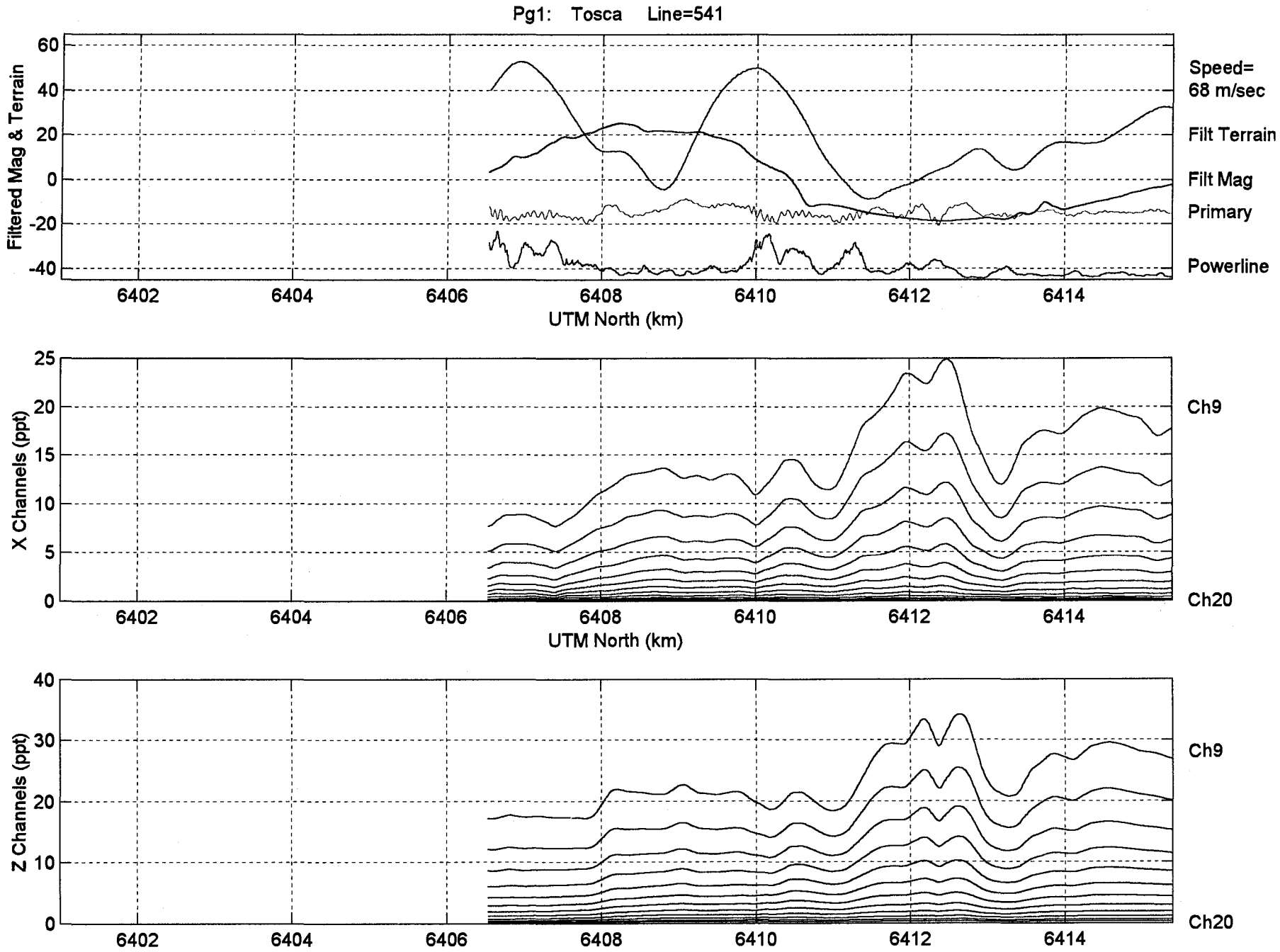

Pg1: Tosca Line=536
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
-65 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

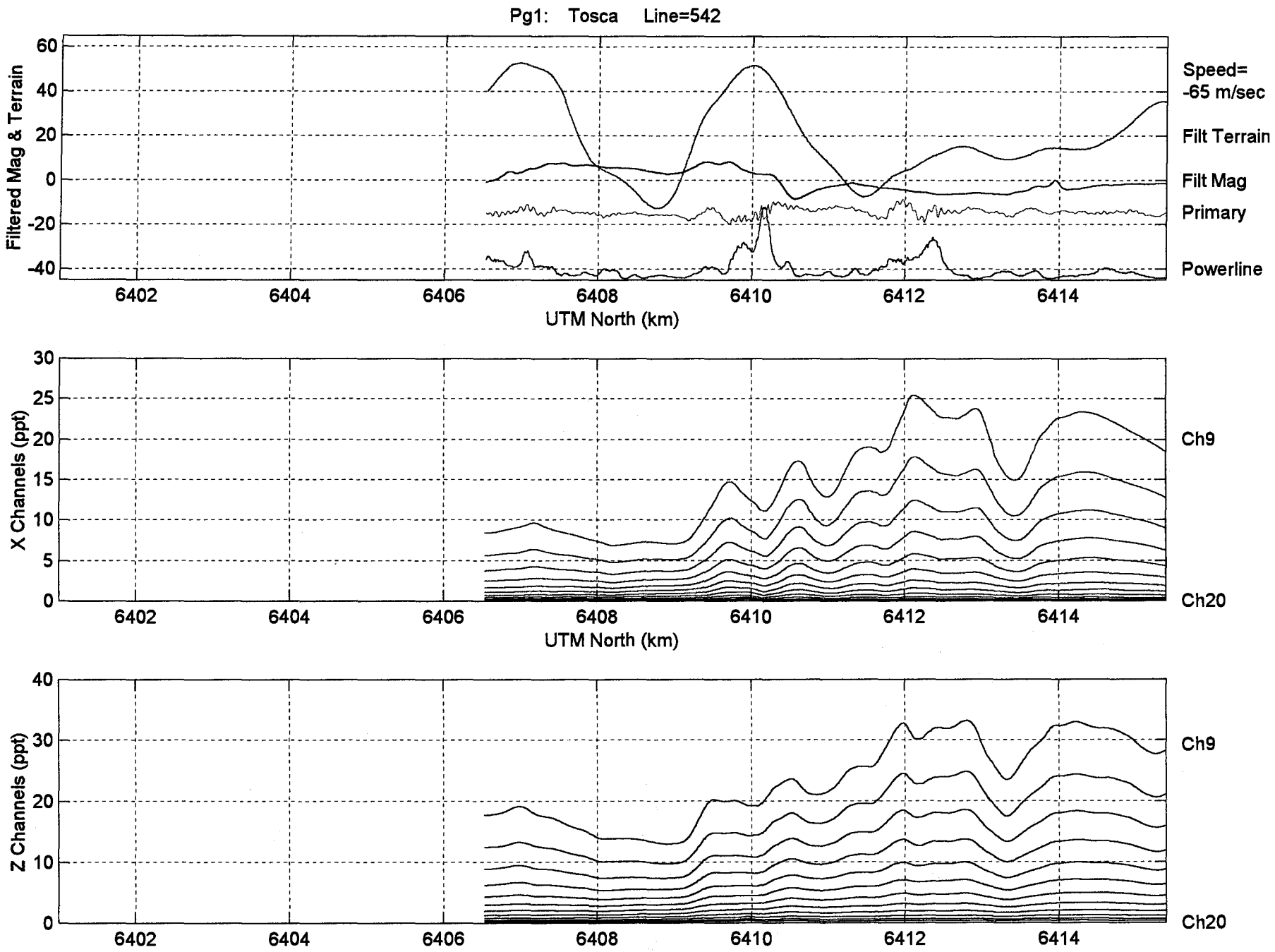

Pg1: Tosca Line=537
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
69 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20

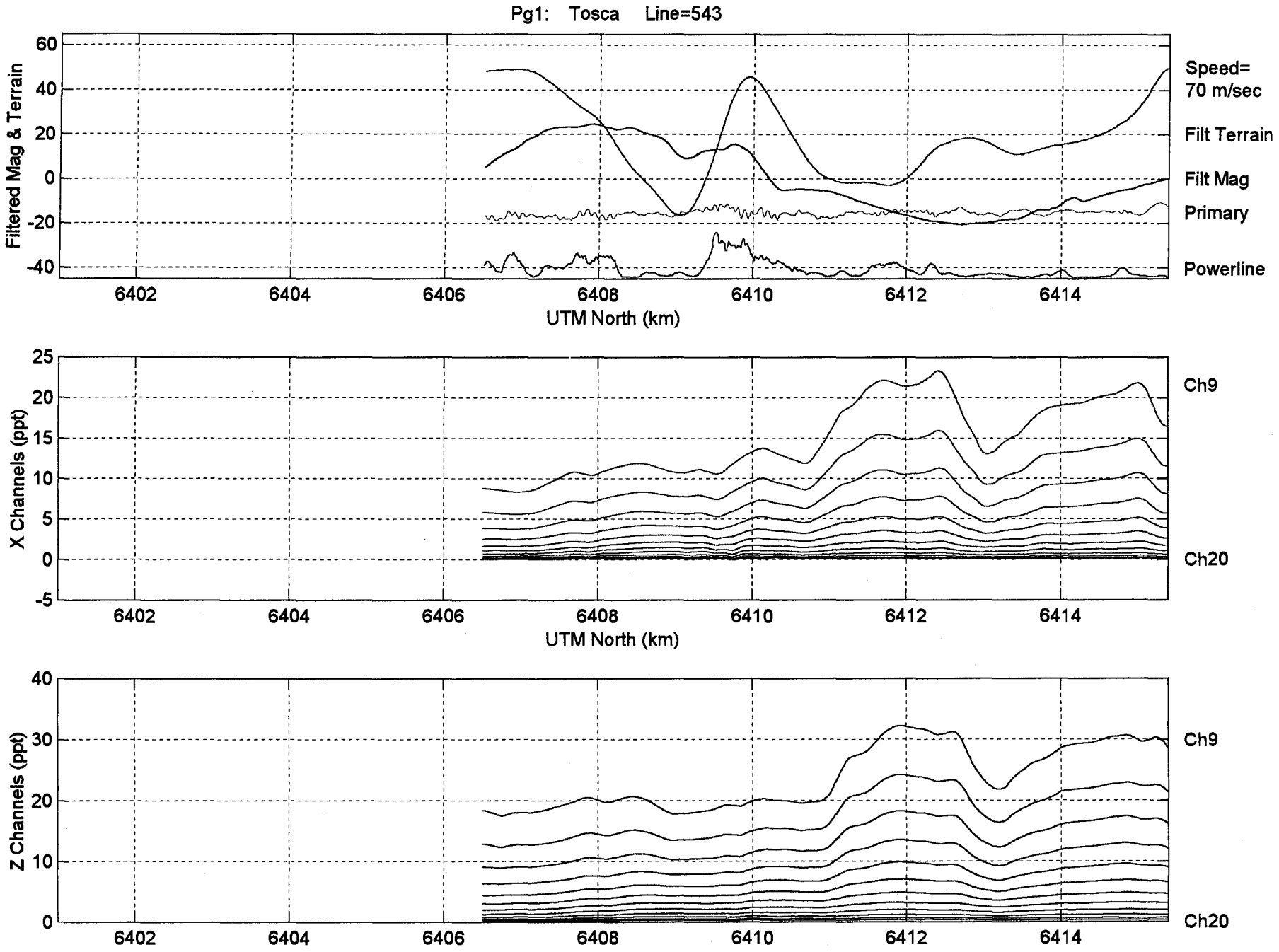

Pg1: Tosca Line=538
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
-64 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

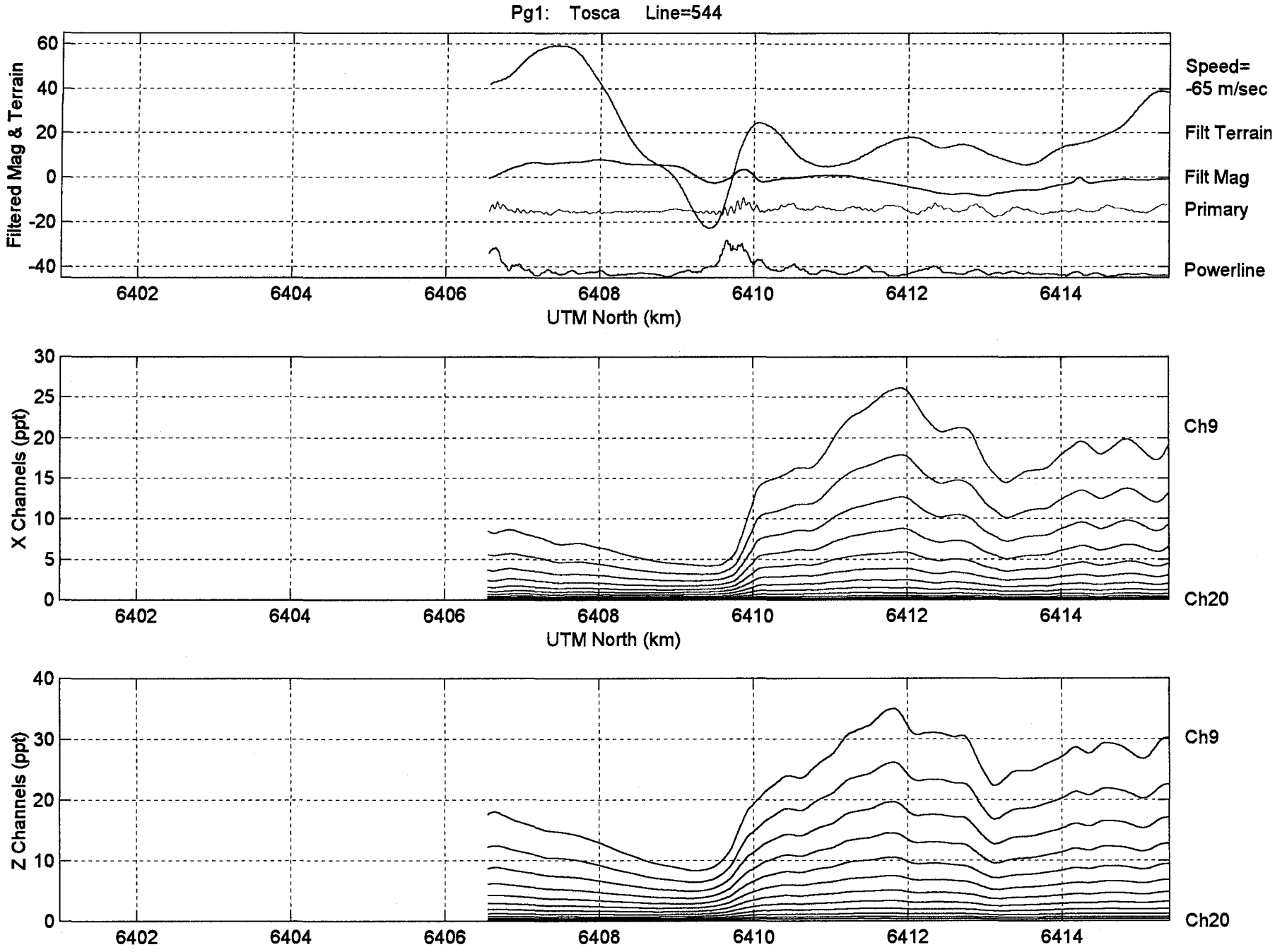

Pg1: Tosca Line=539
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
67 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
-5
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

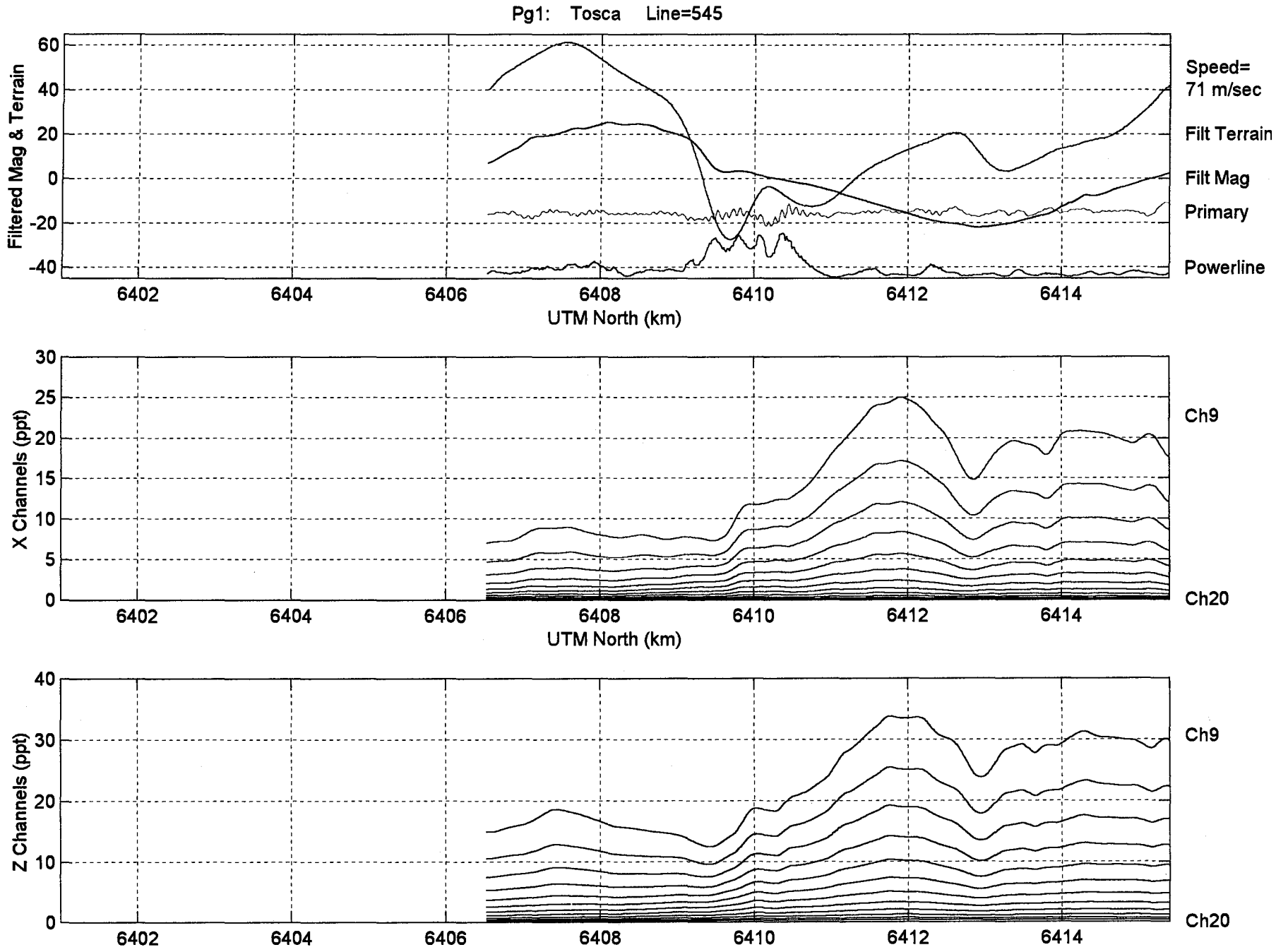

Pg1: Tosca Line=540
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
-65 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

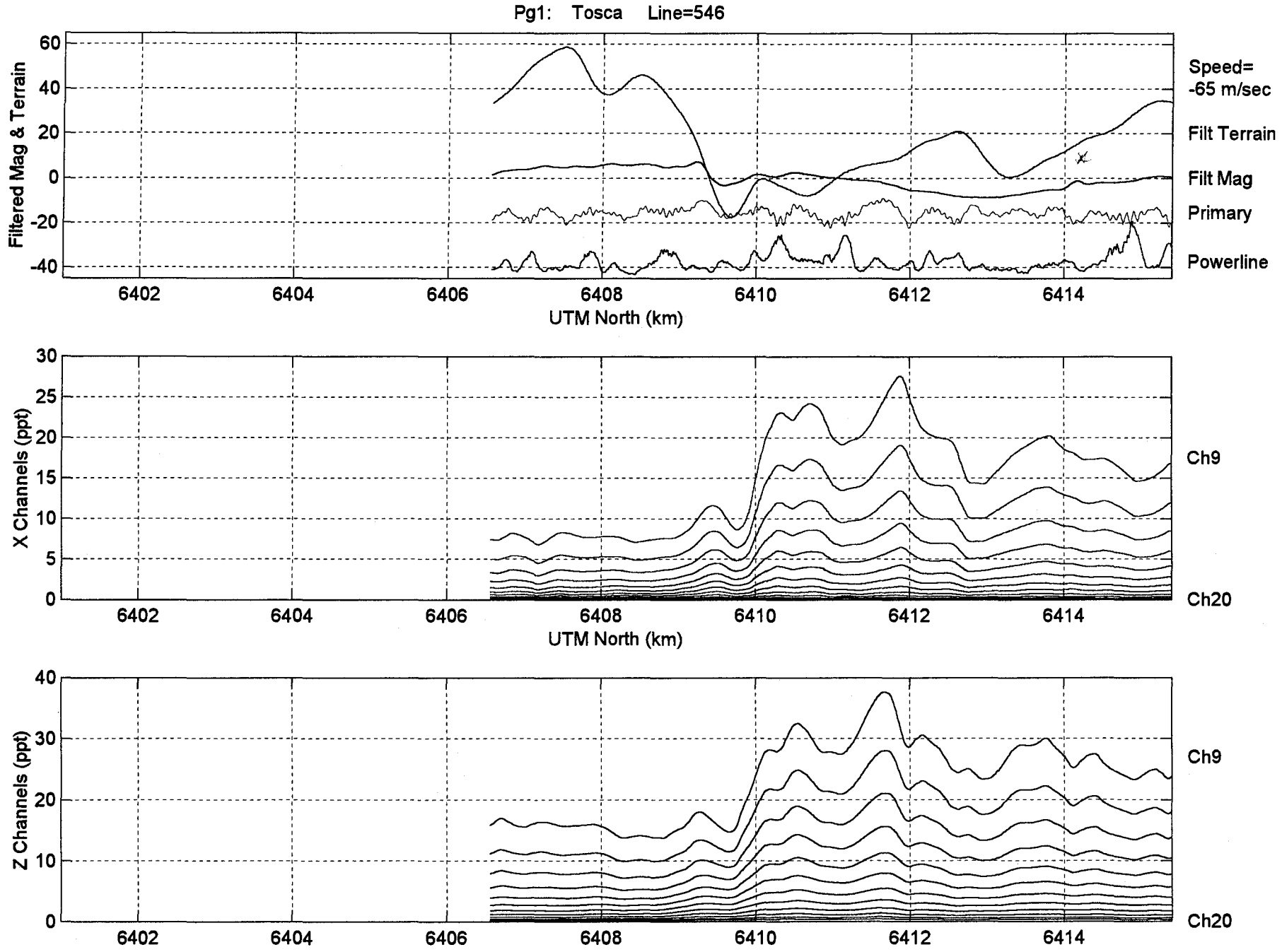

Pg1: Tosca Line=541
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
68 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

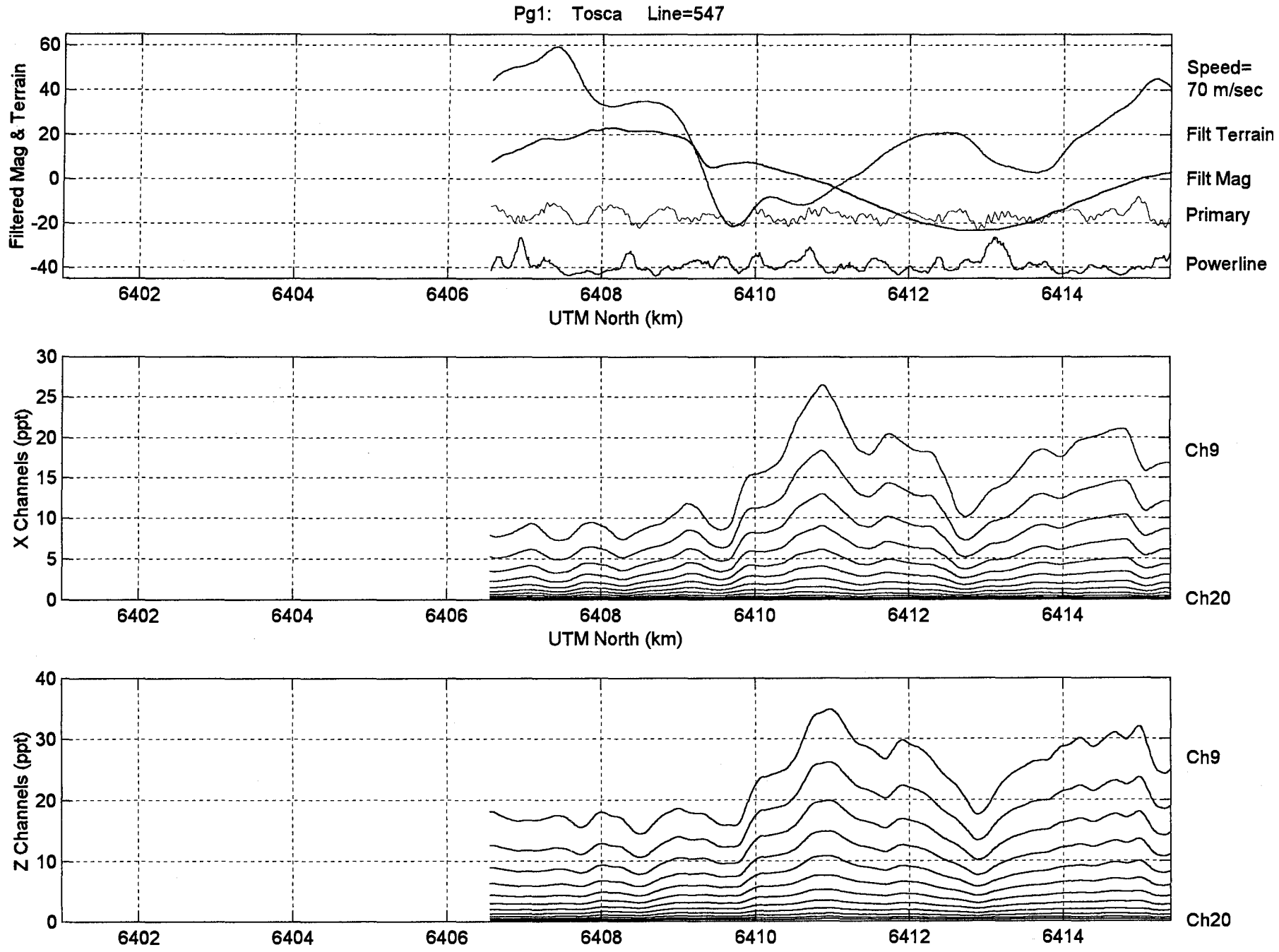

Pg1: Tosca Line=542
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
-65 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

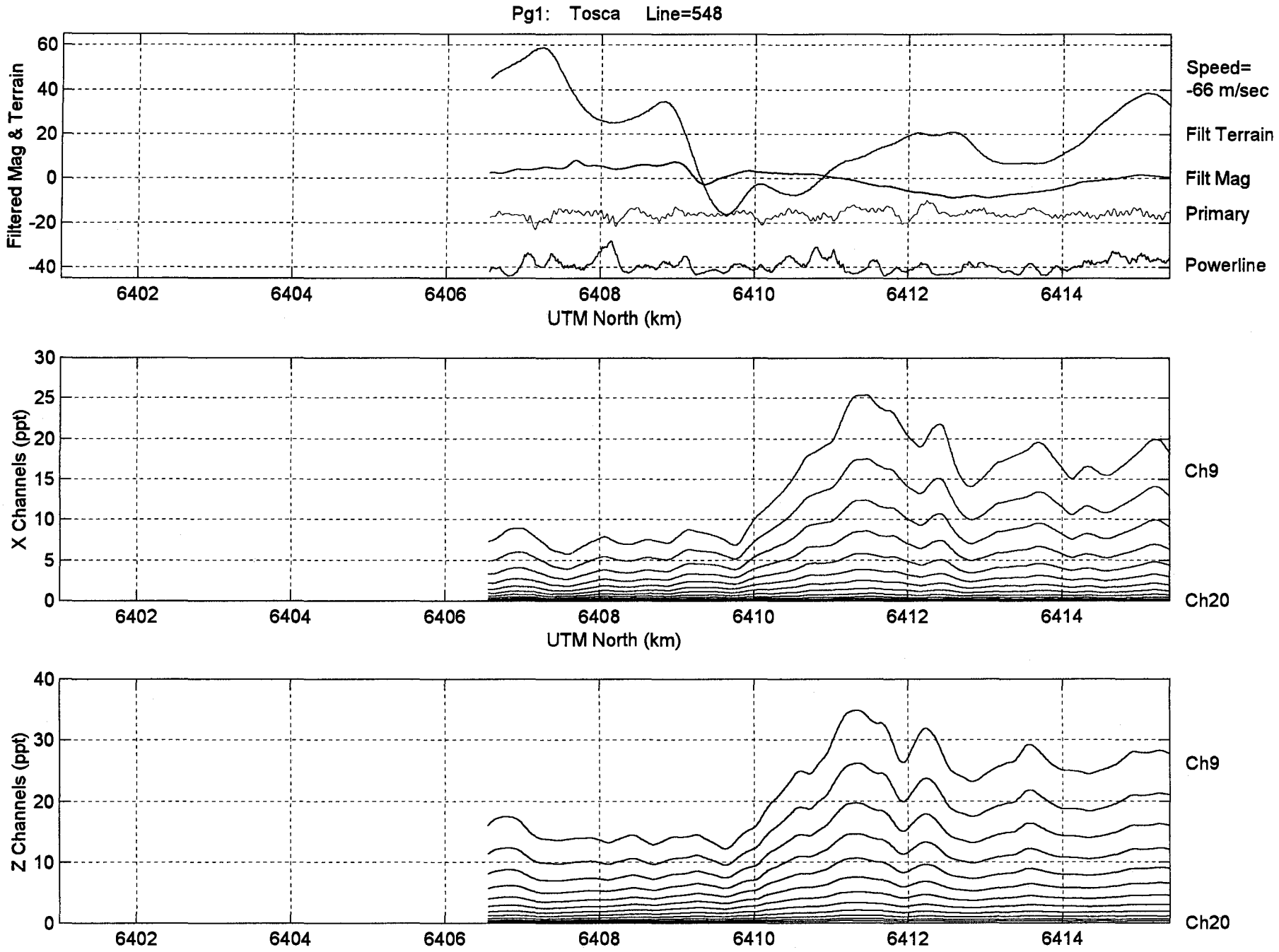

Pg1: Tosca Line=543
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
70 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
-5
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

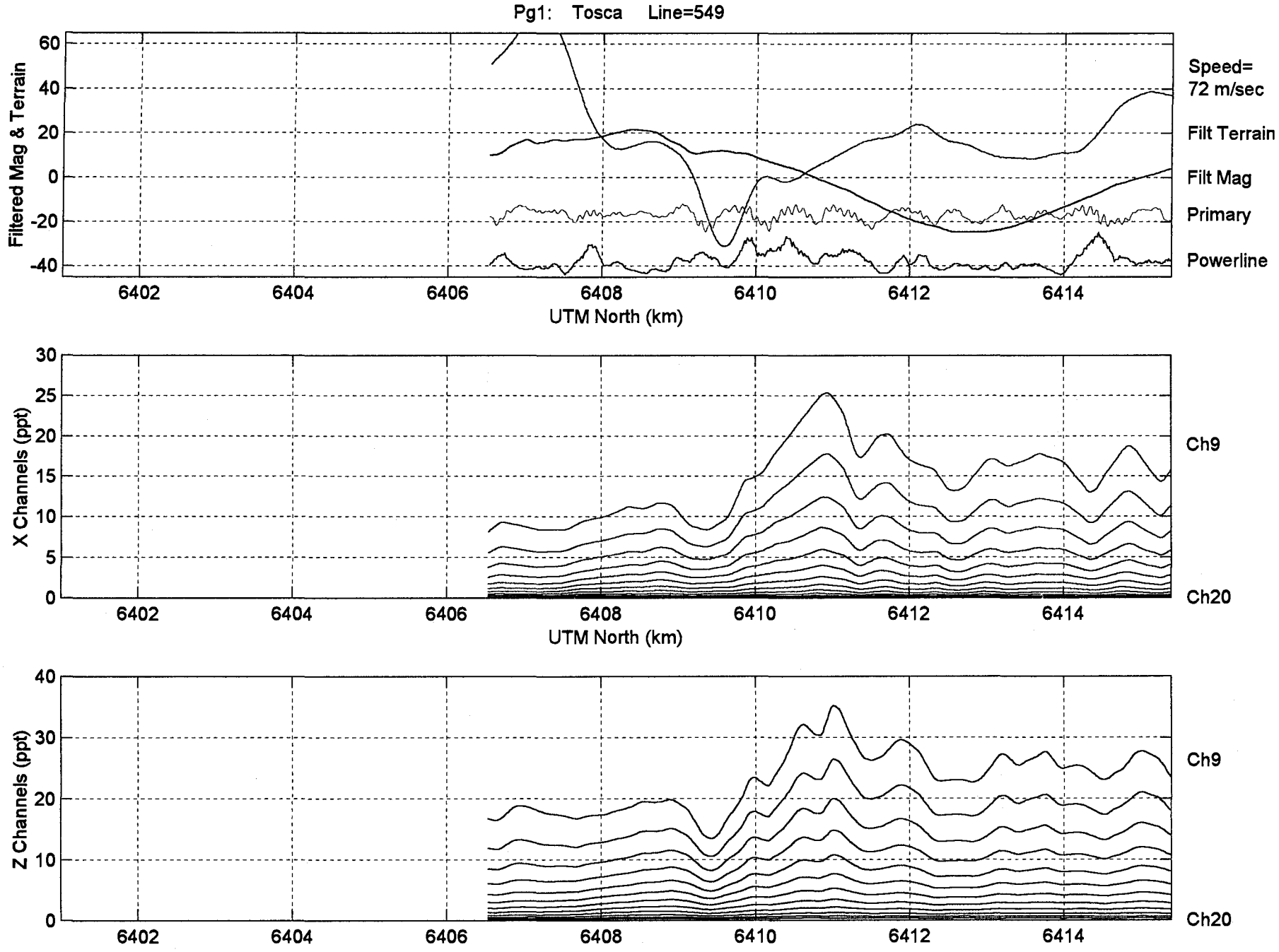

Pg1: Tosca Line=544
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
-65 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

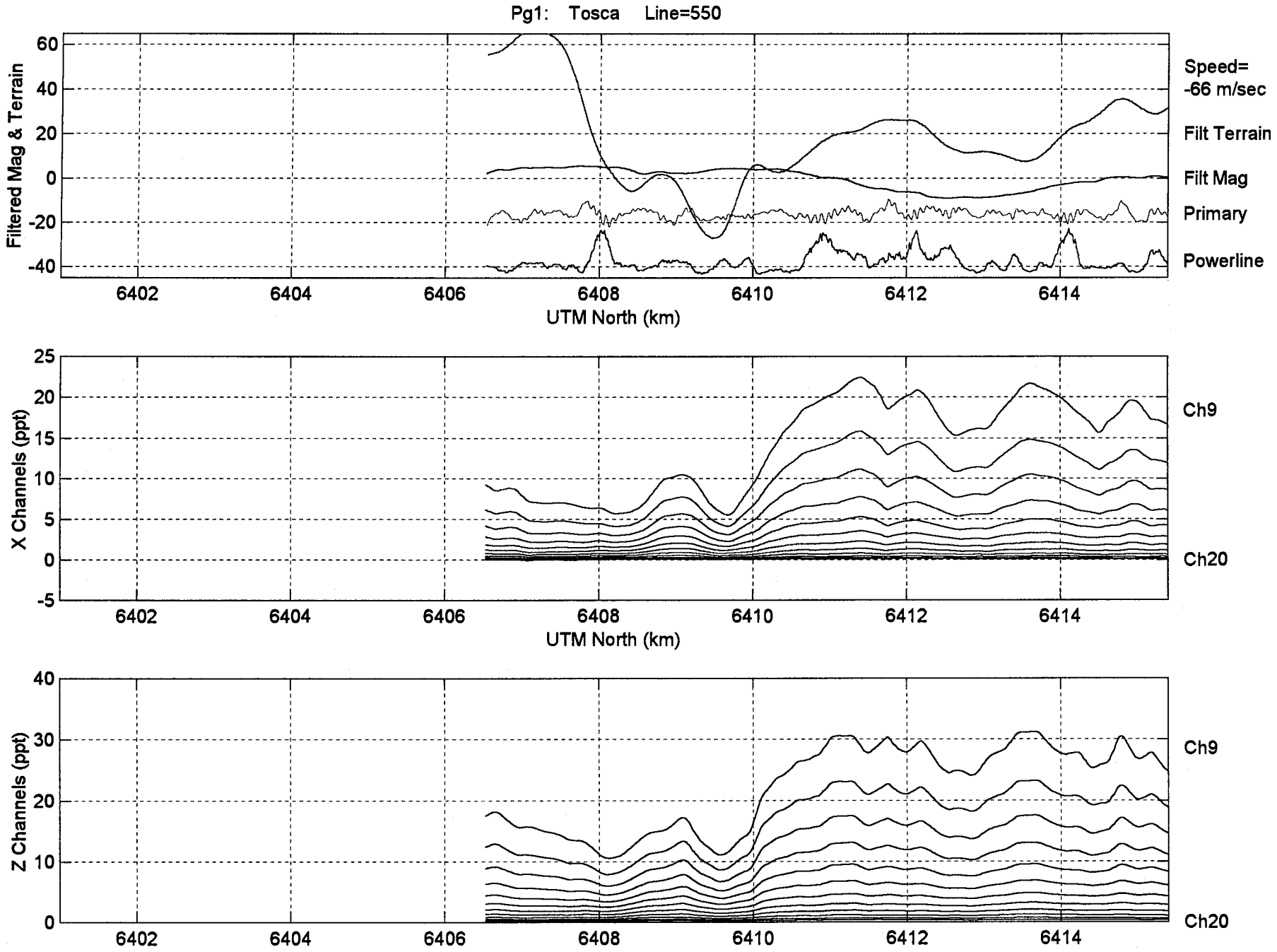

Pg1: Tosca Line=545
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
71 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

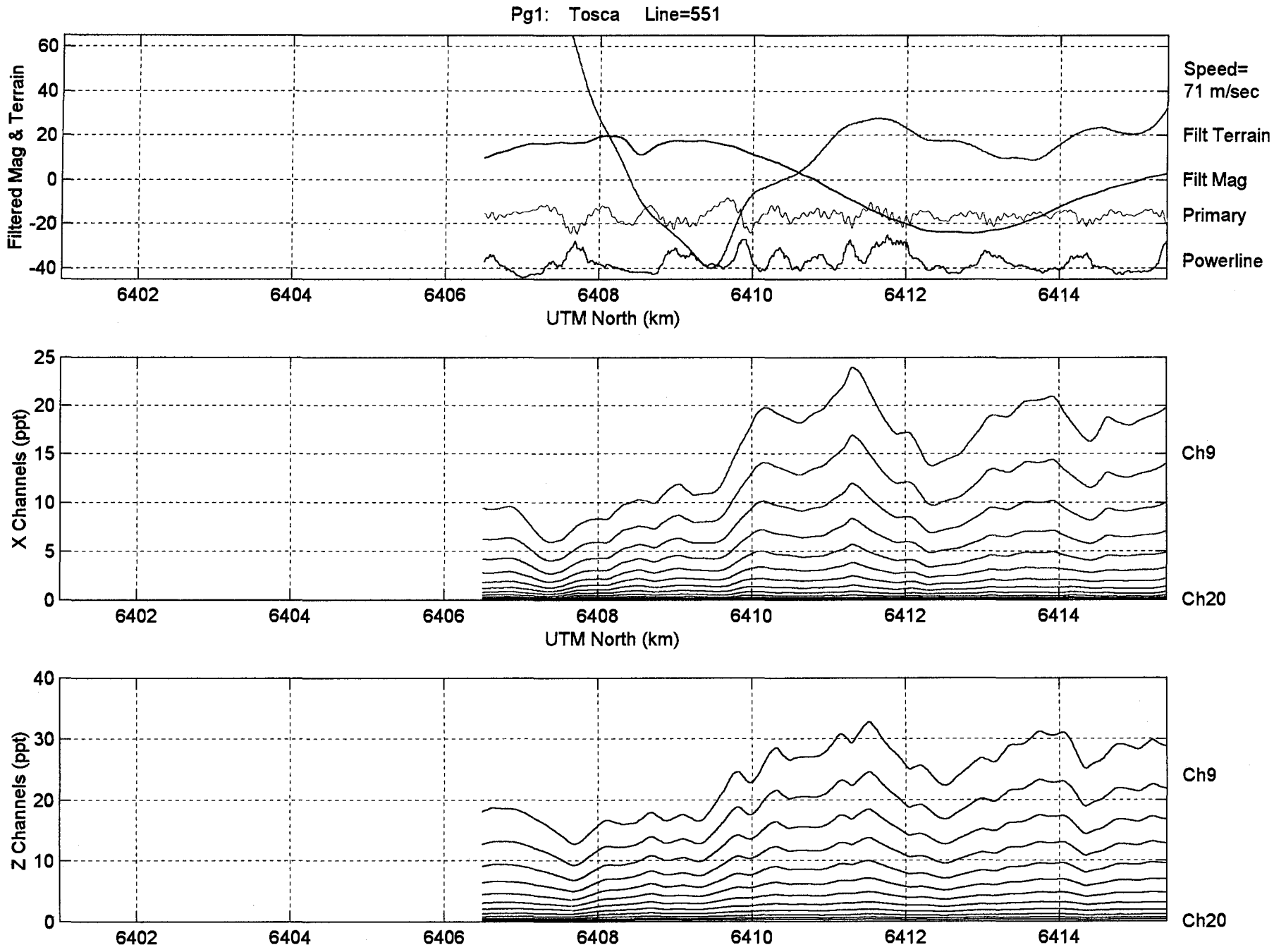

Pg1: Tosca Line=546
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
-65 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

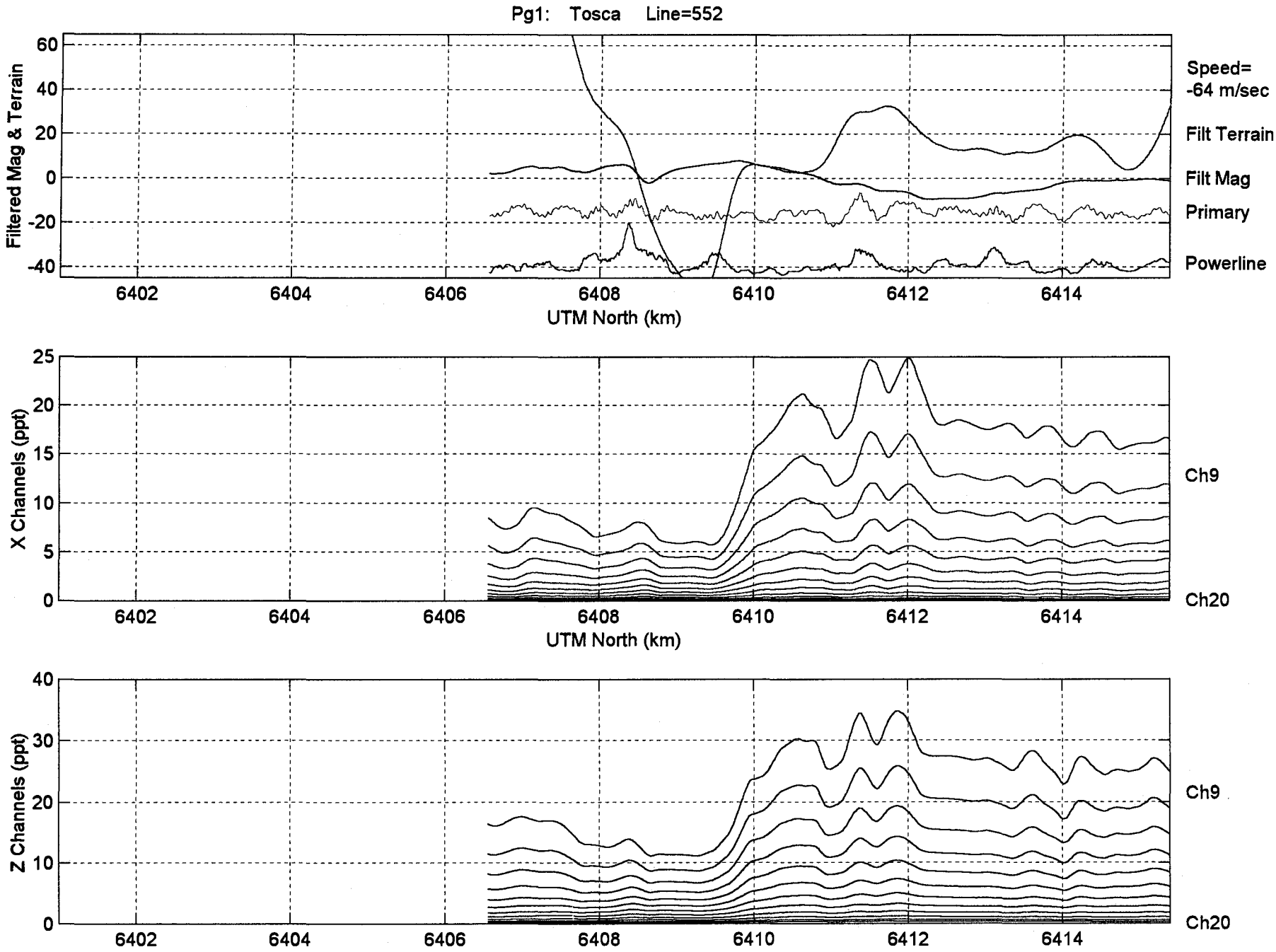

Pg1: Tosca Line=547
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
70 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

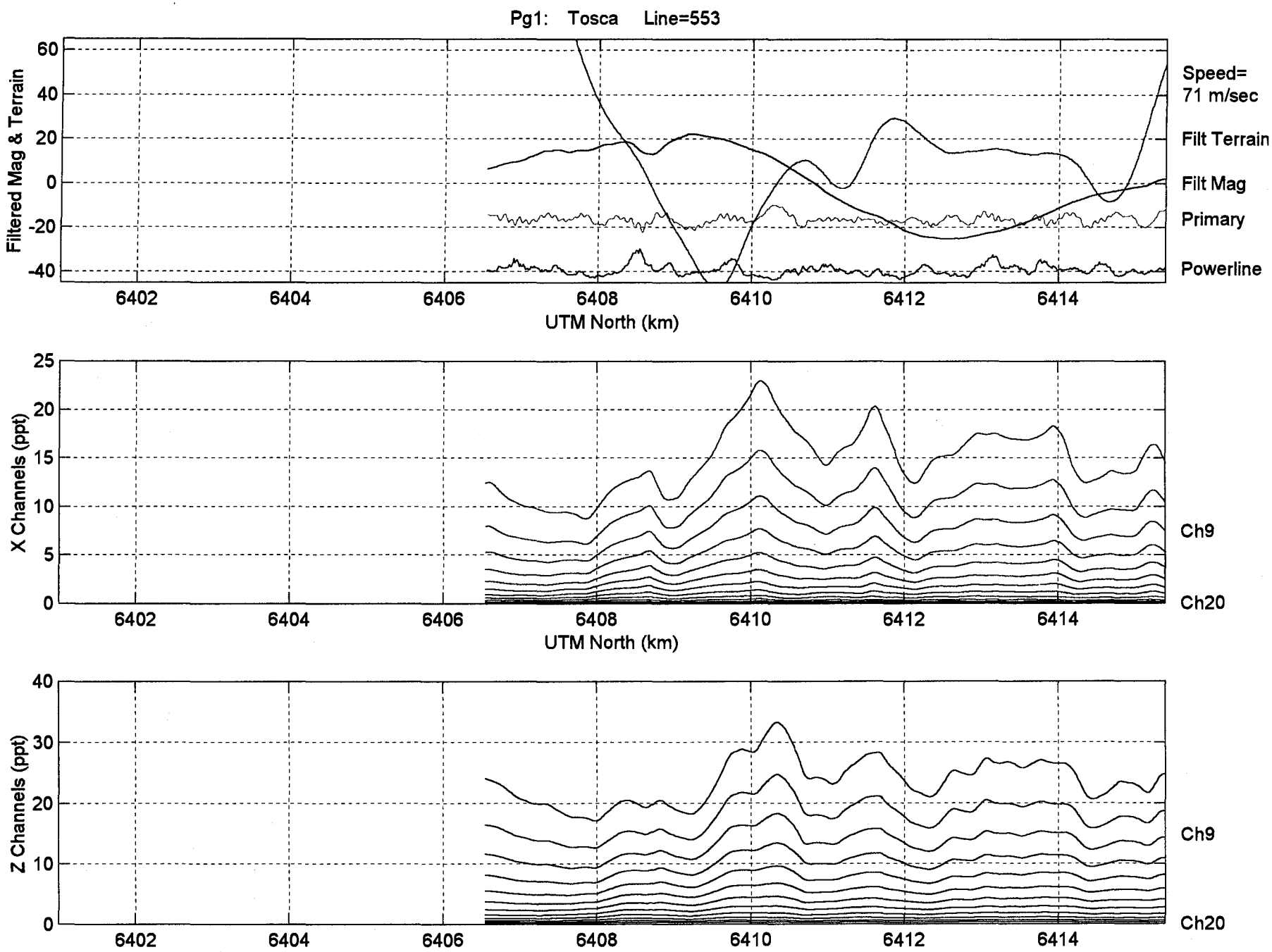

Pg1: Tosca Line=548
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
-66 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

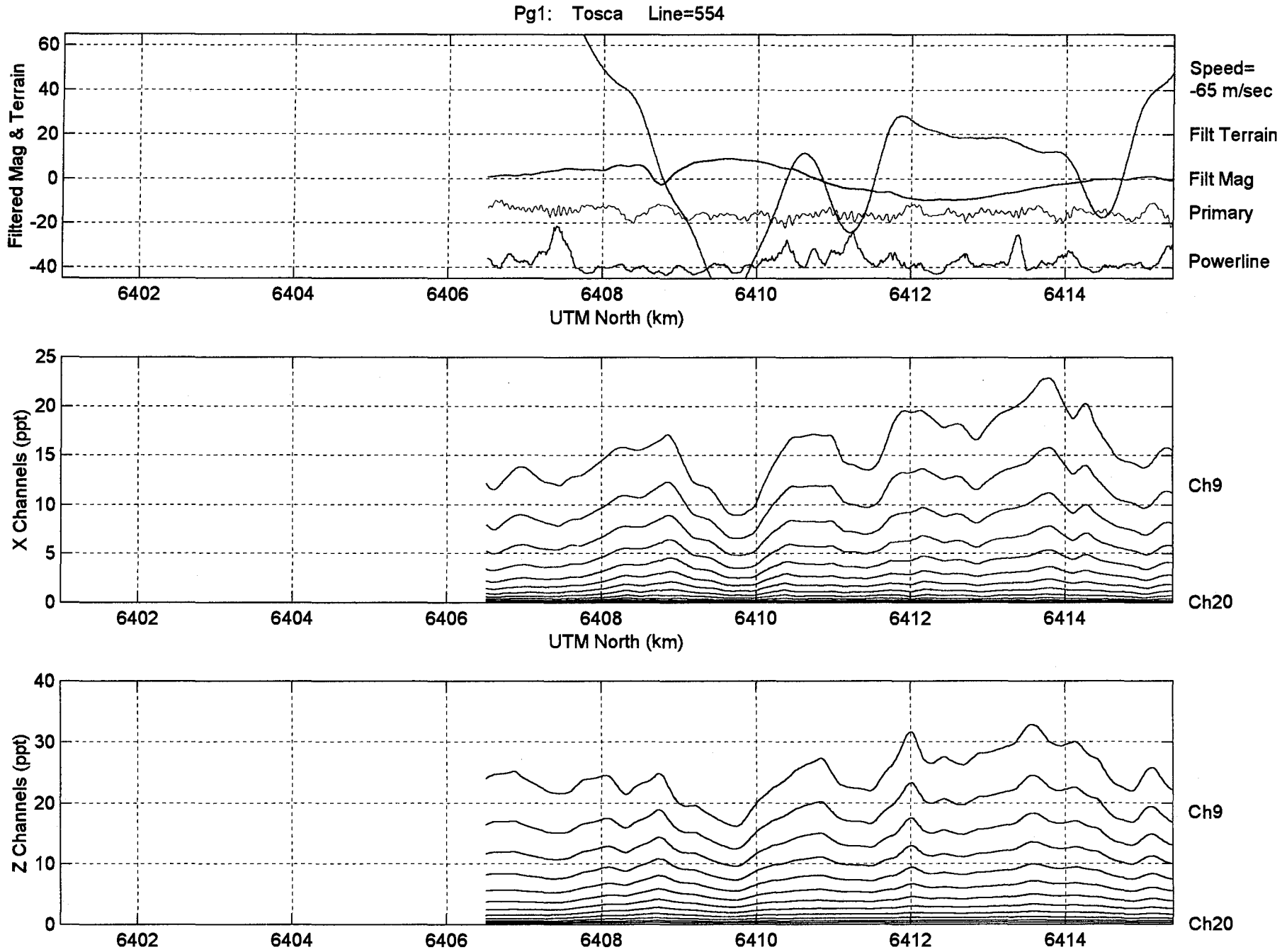

Pg1: Tosca Line=549
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
72 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

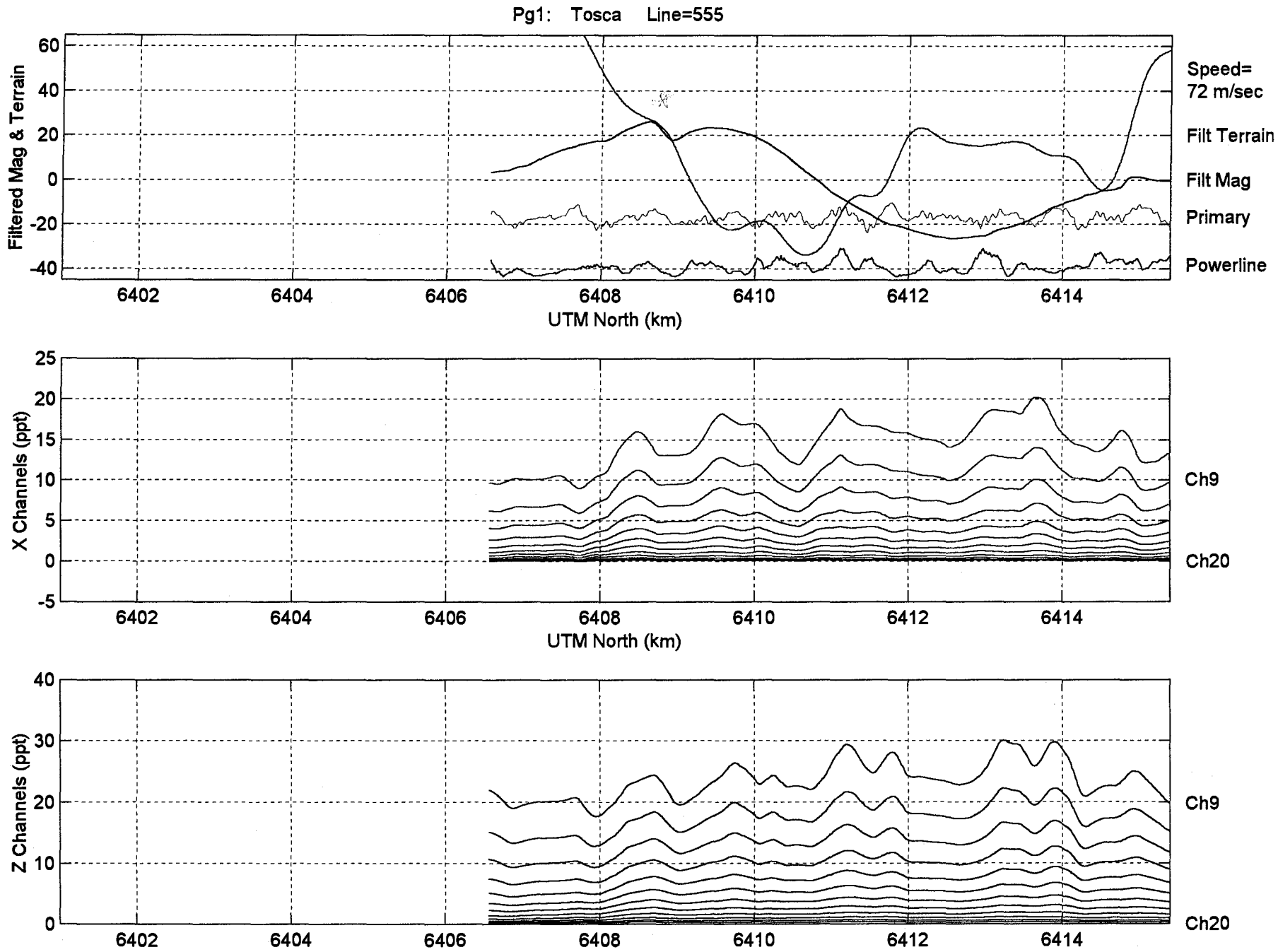

Pg1: Tosca Line=550
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
-66 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
-5
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0
6402
6404
6406
6408
6410
6412
6414
Ch9
Ch20

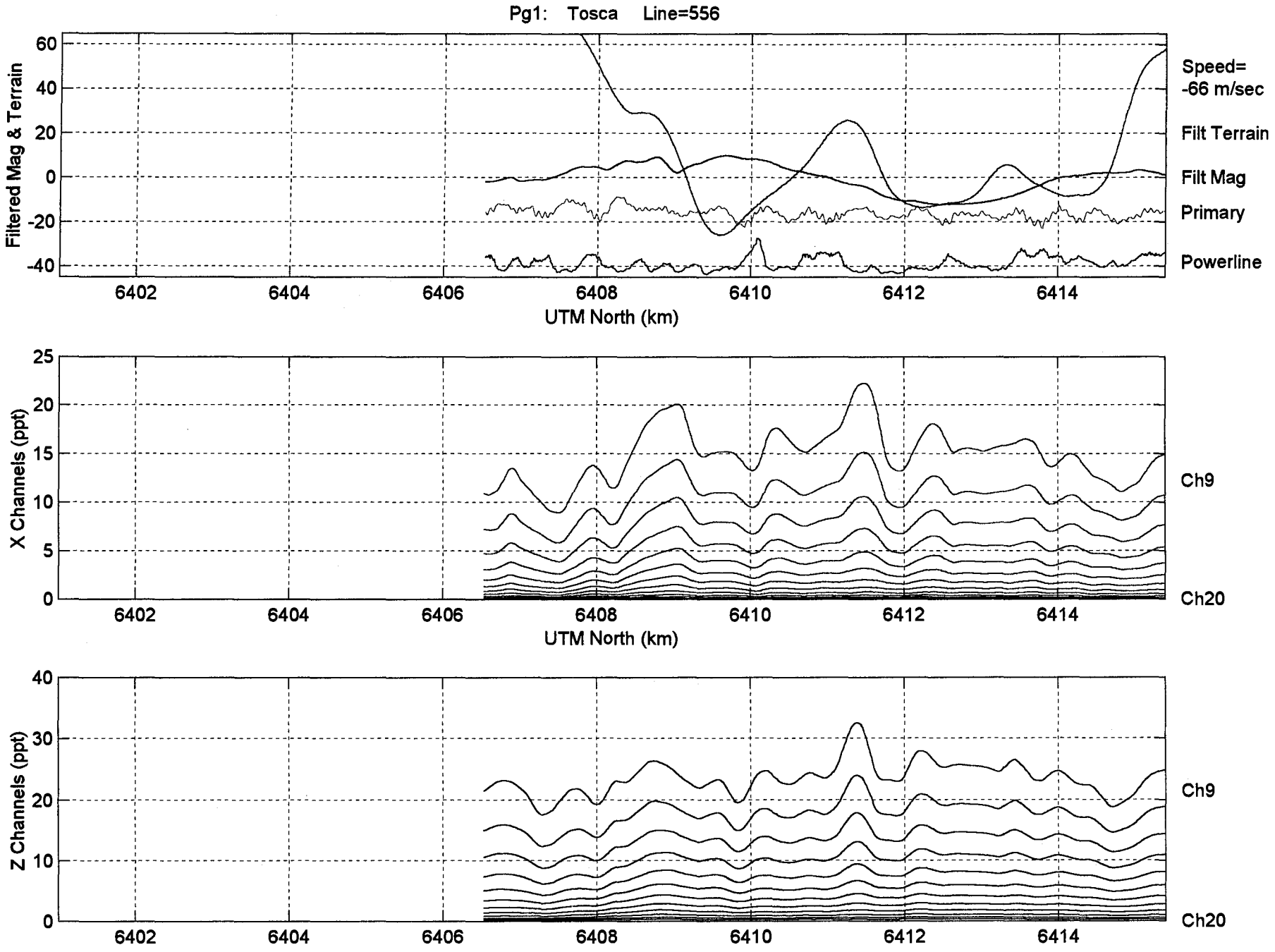

Pg1: Tosca Line=551
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
71 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

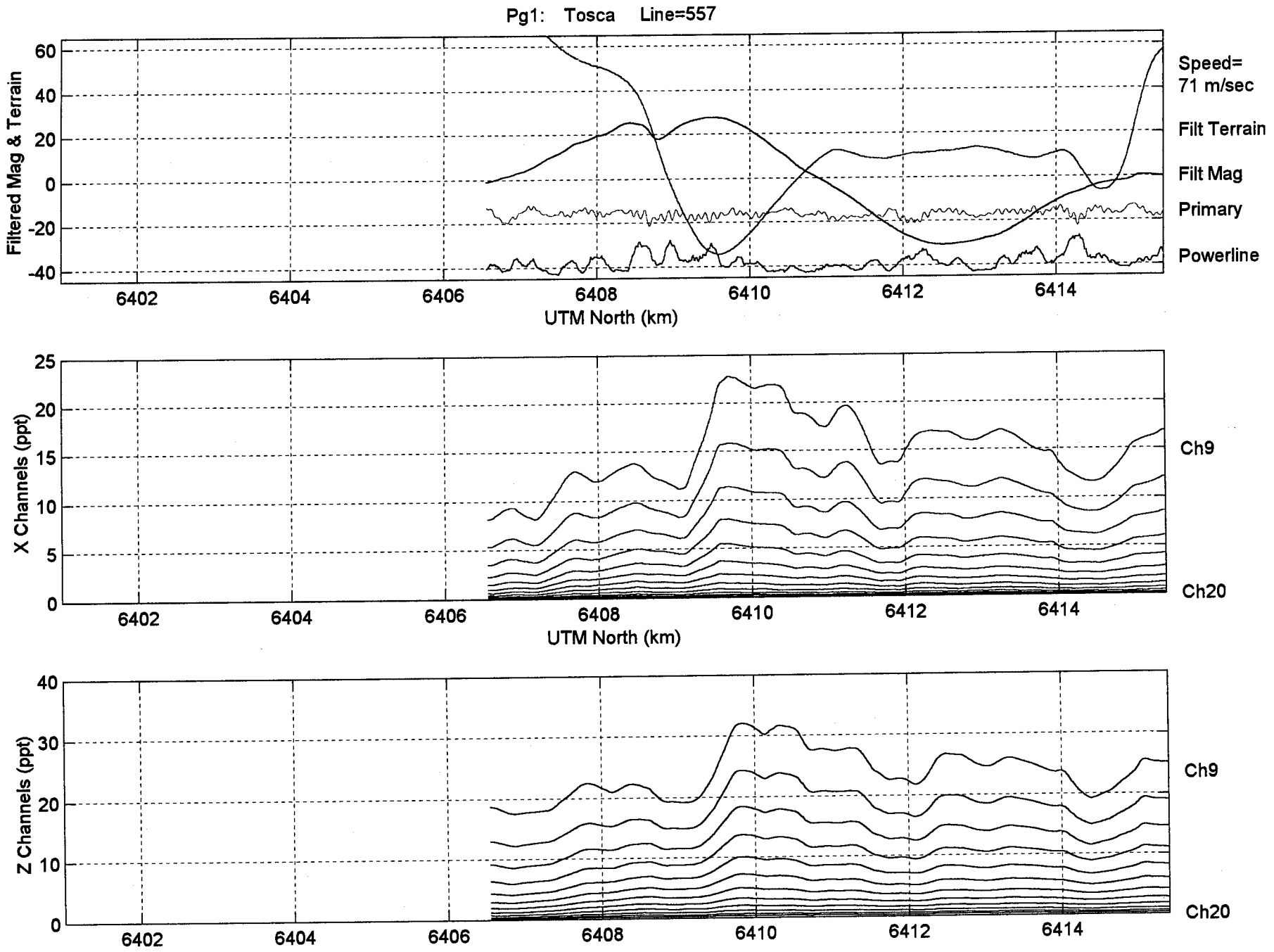

Pg1: Tosca Line=552
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
-64 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

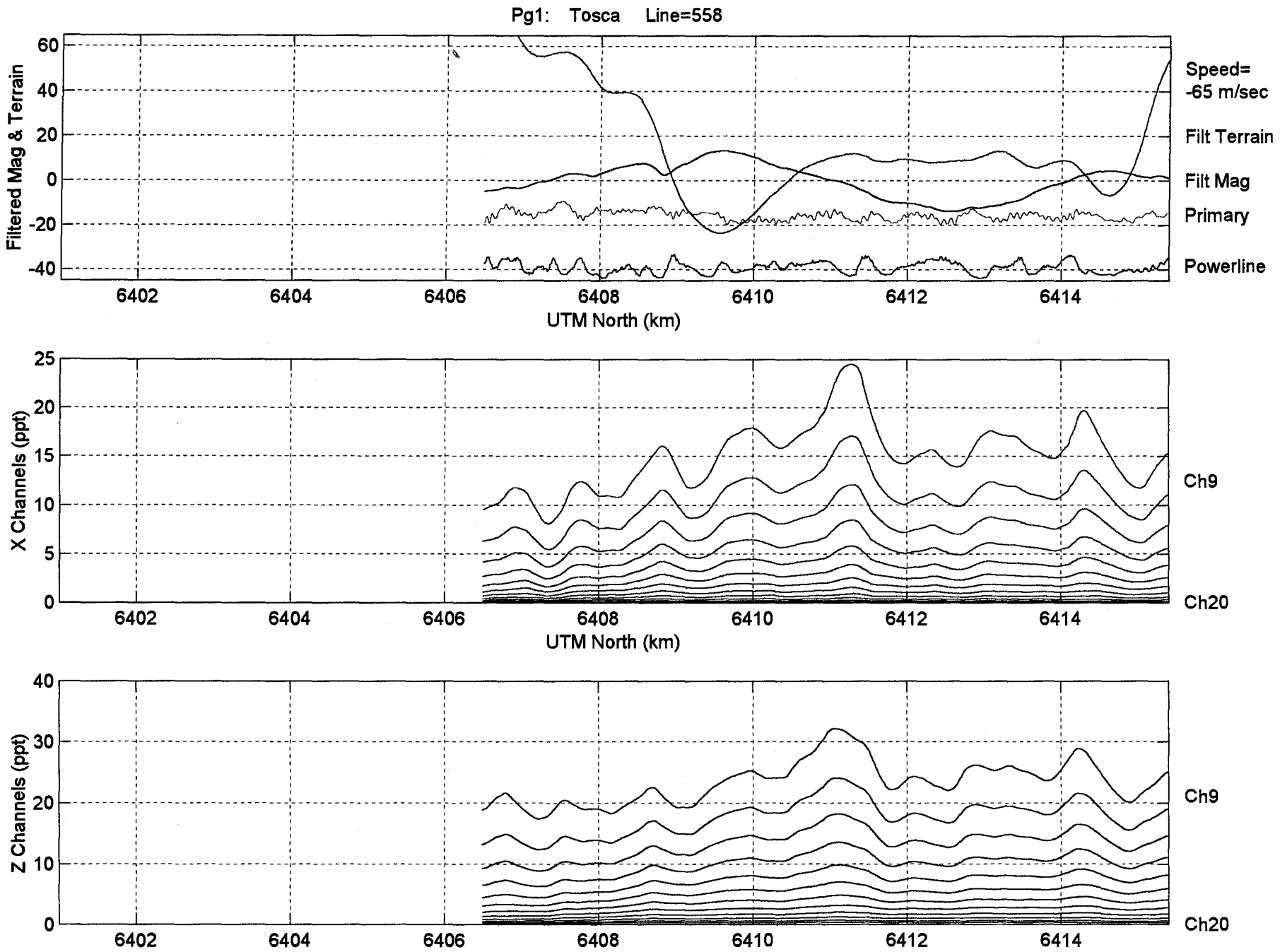

Pg1: Tosca Line=553
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
71 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

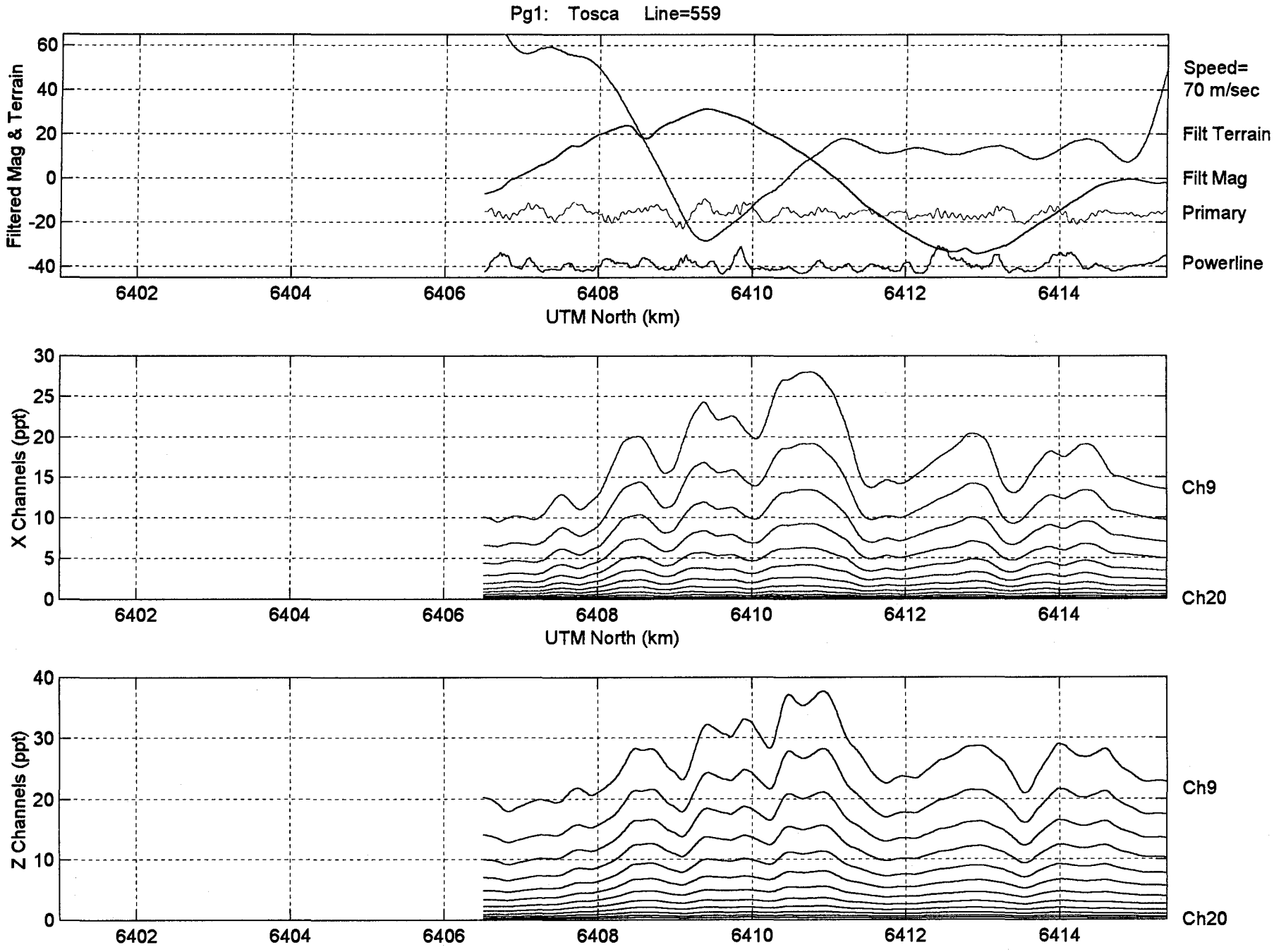

Pg1: Tosca Line=554
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
-65 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

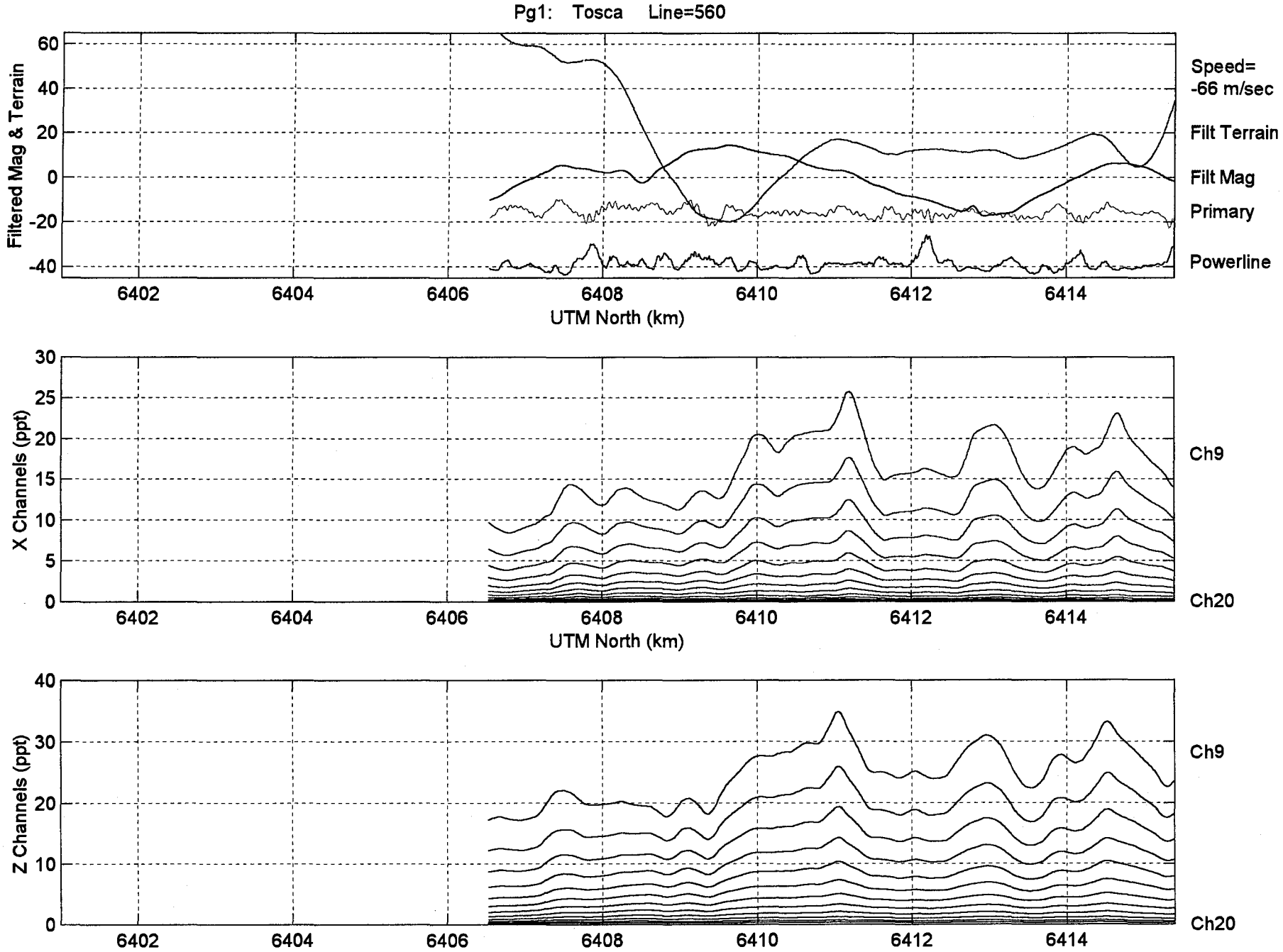

Pg1: Tosca Line=555
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
72 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
-5
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

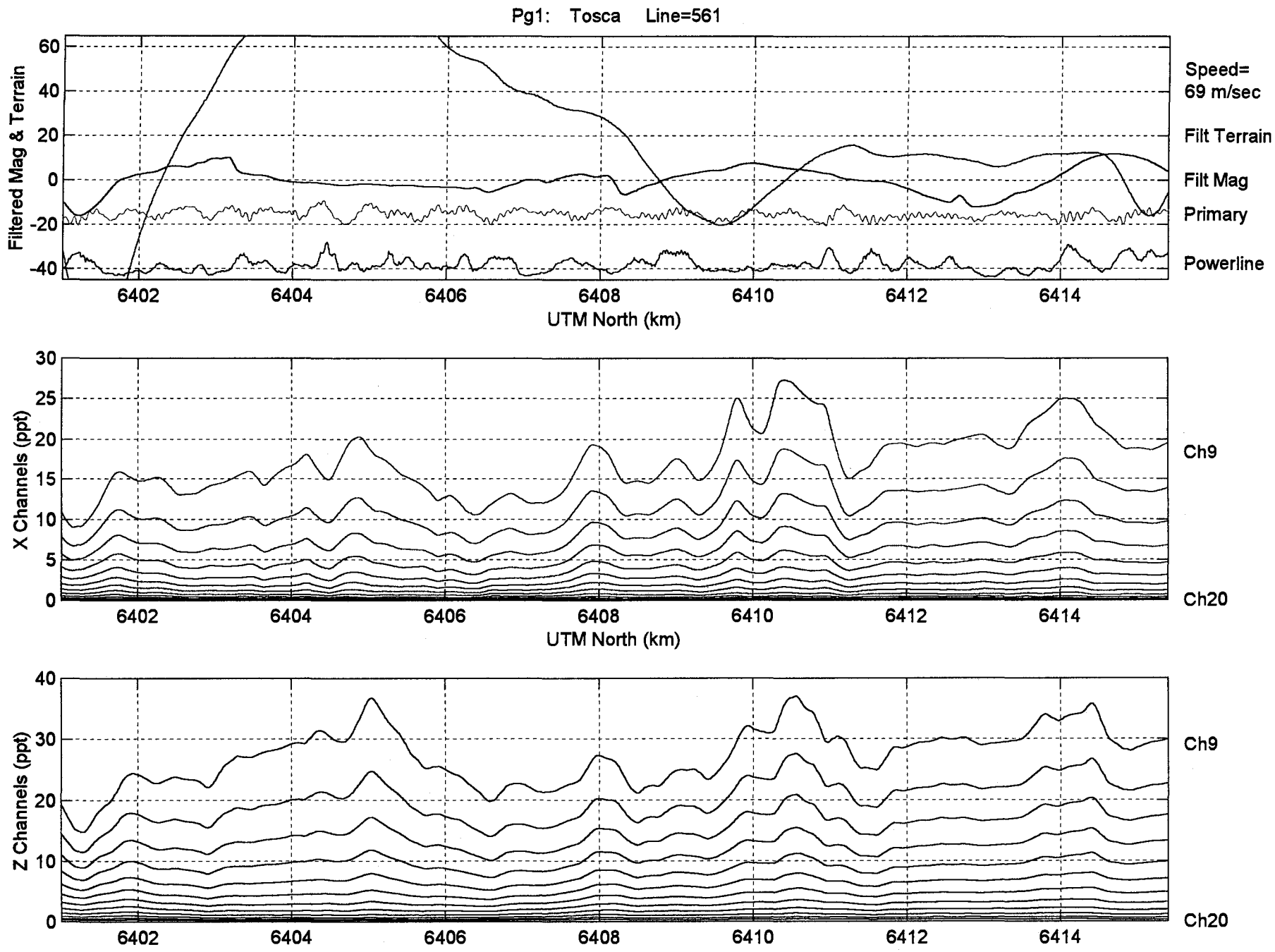

Pg1: Tosca Line=556
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
-66 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0
6402
6404
6406
6408
6410
6412
6414
Ch9
Ch20

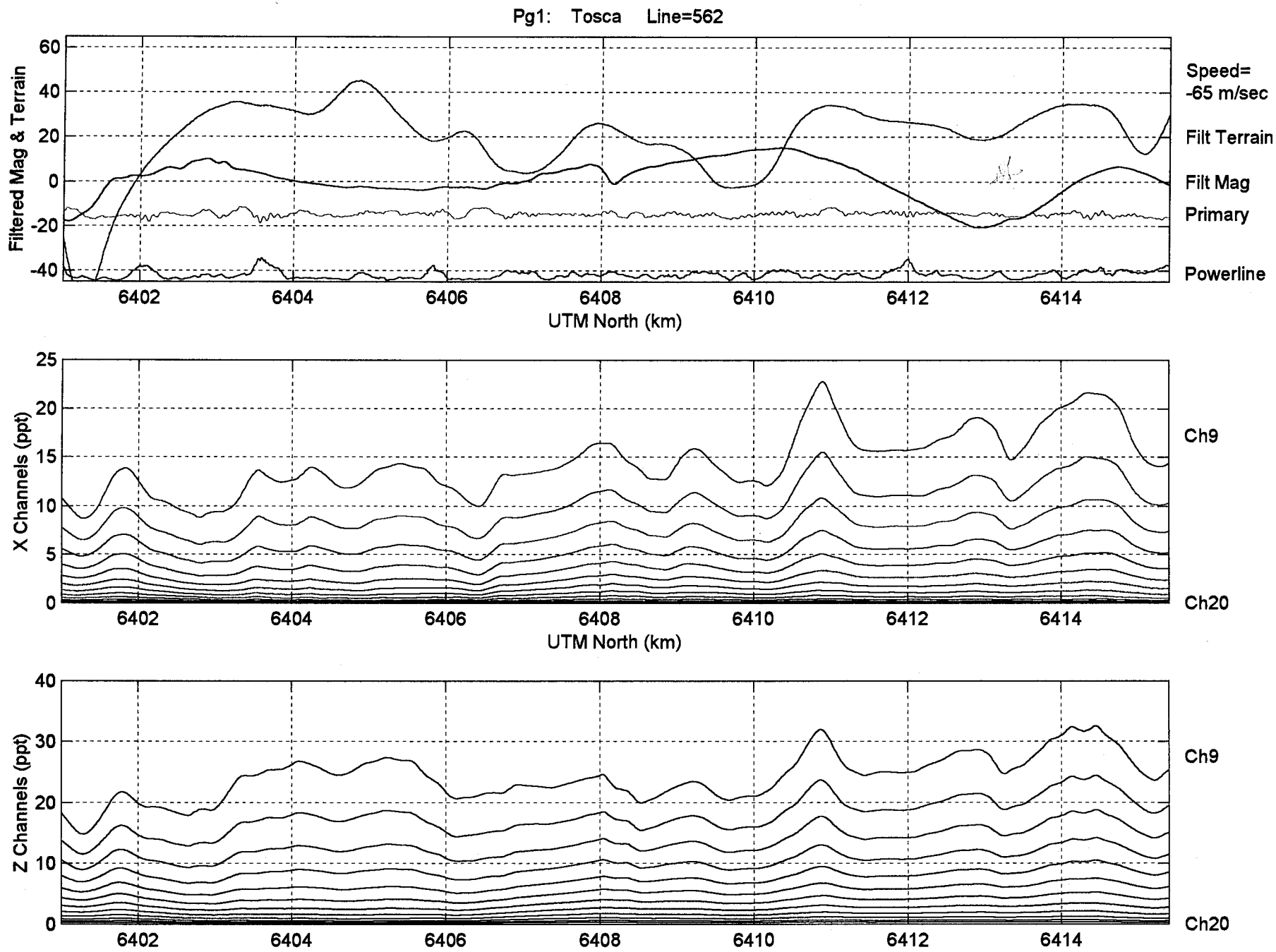

Pg1: Tosca Line=557
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
71 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

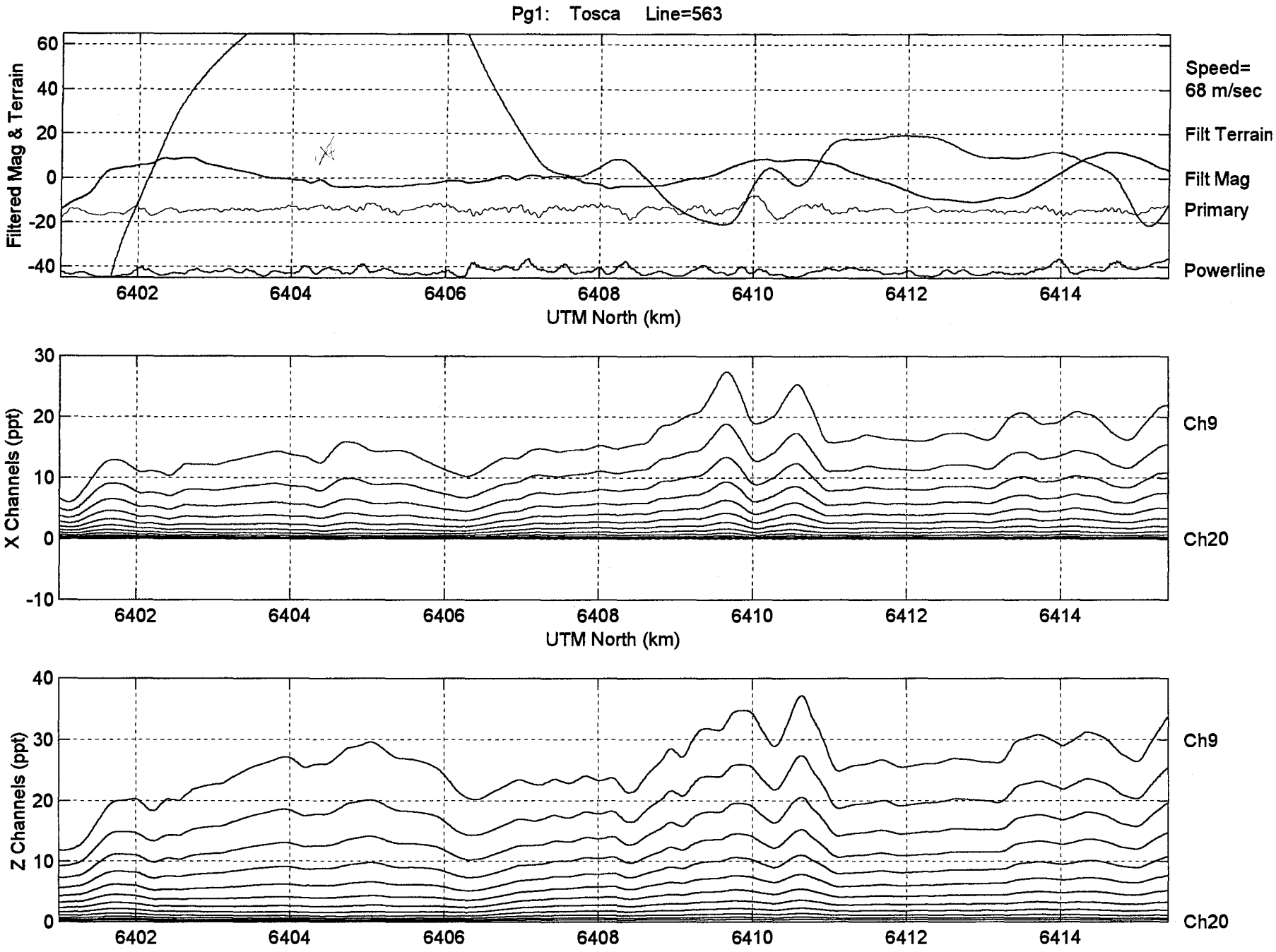

Pg1: Tosca Line=558
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
-65 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0
6402
6404
6406
6408
6410
6412
6414
Ch9
Ch20

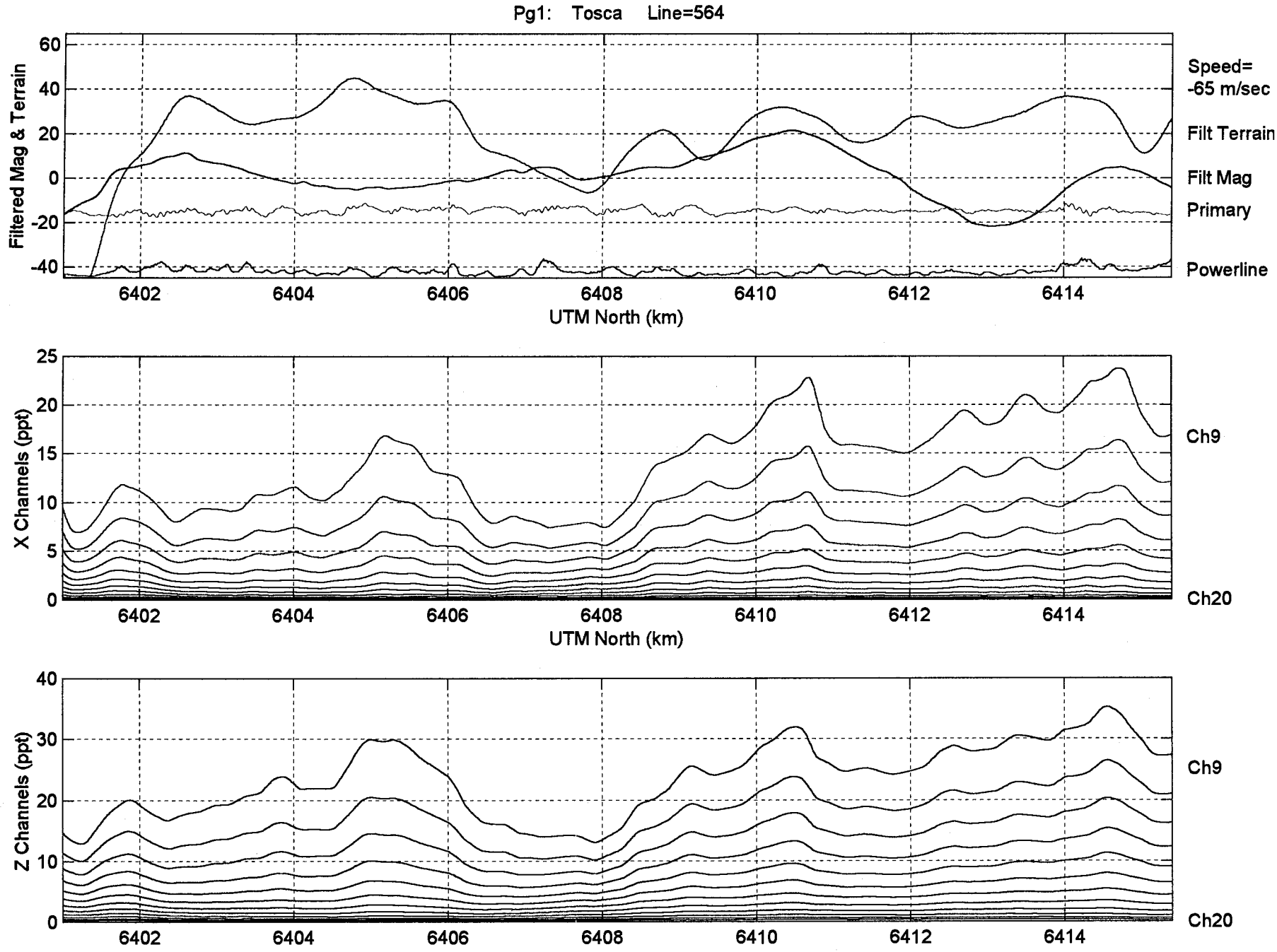

Pg1: Tosca Line=559
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
70 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

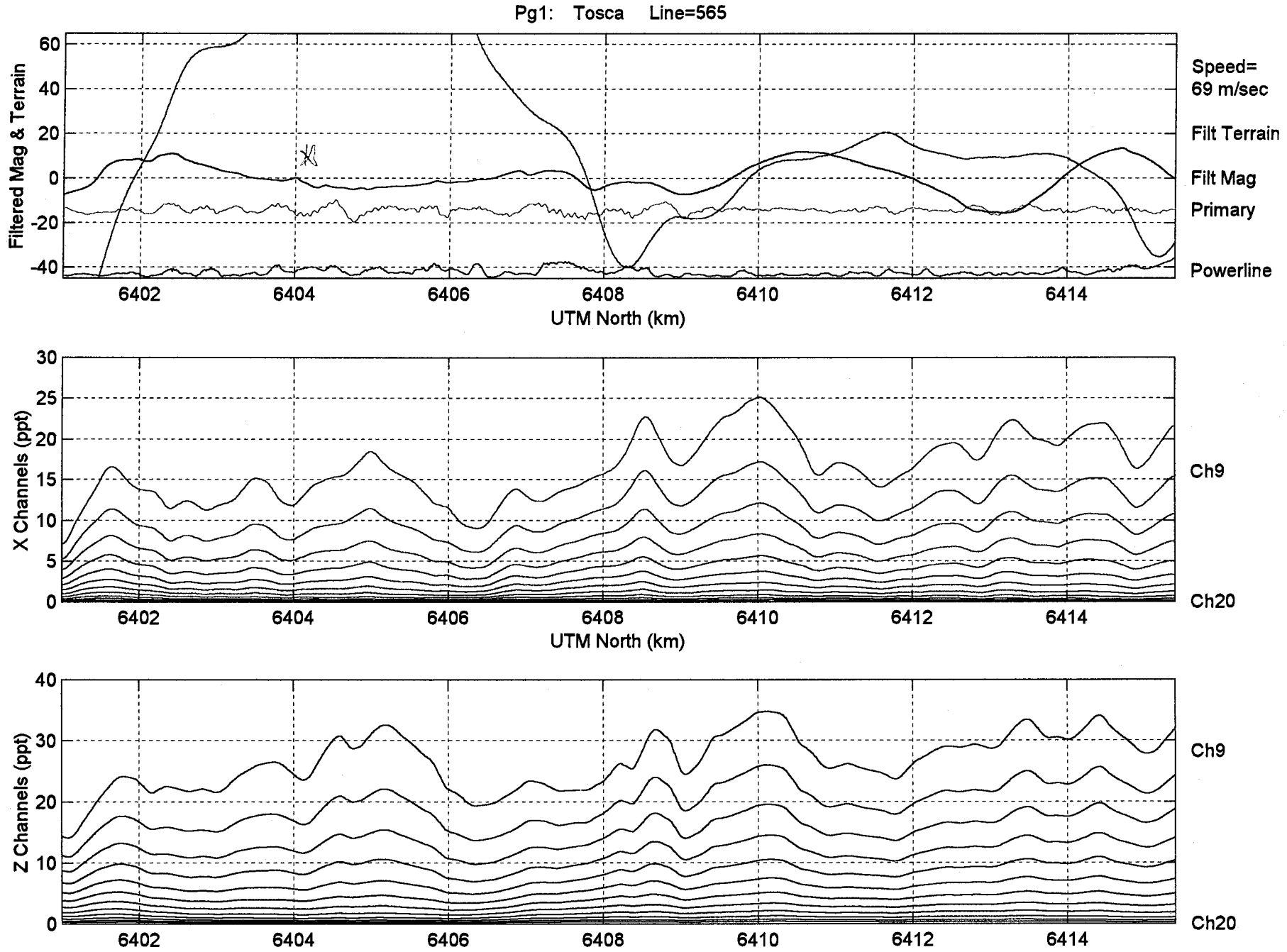

Pg1: Tosca Line=560
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
-66 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

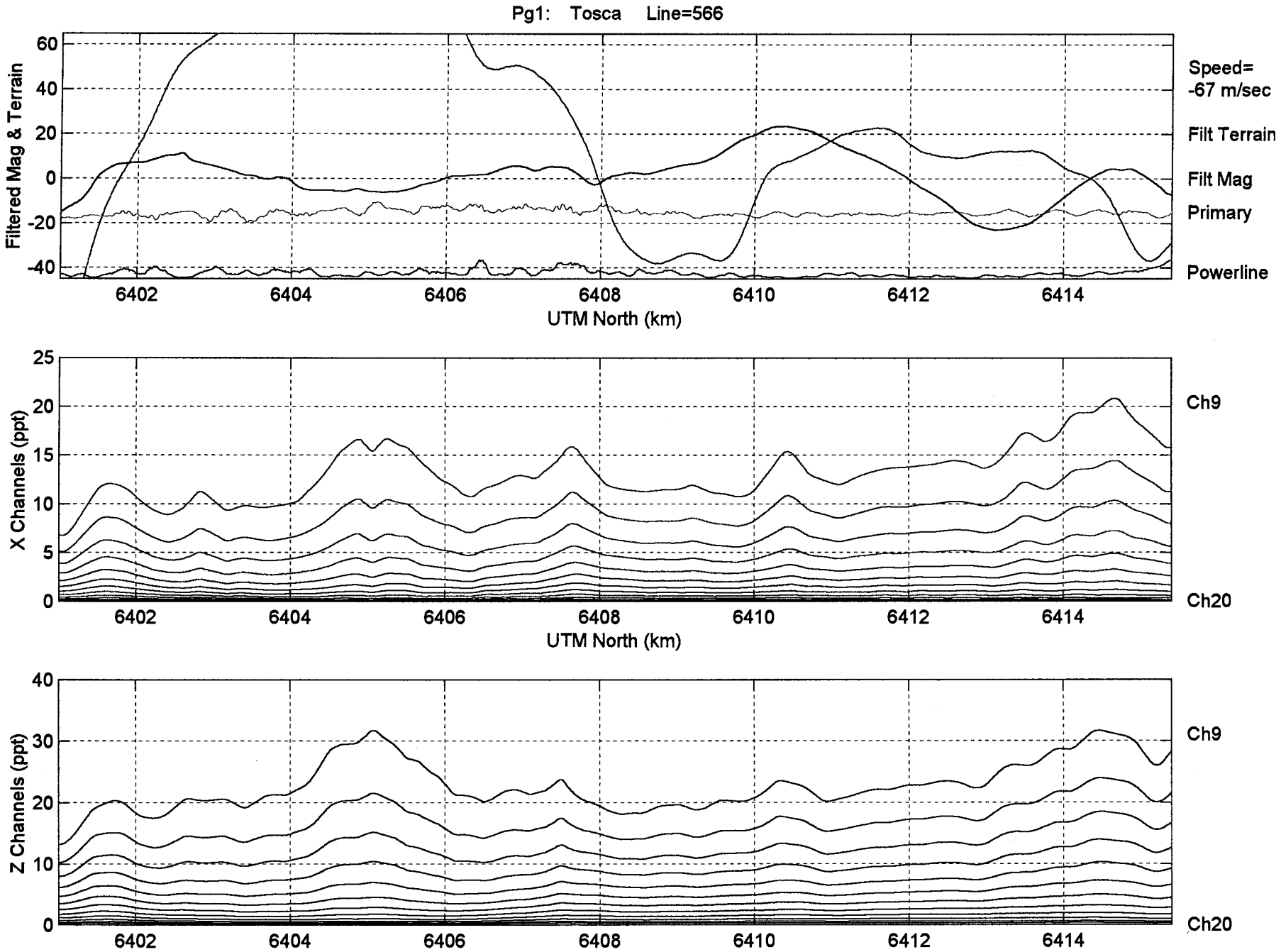

Pg1: Tosca Line=561
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
69 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

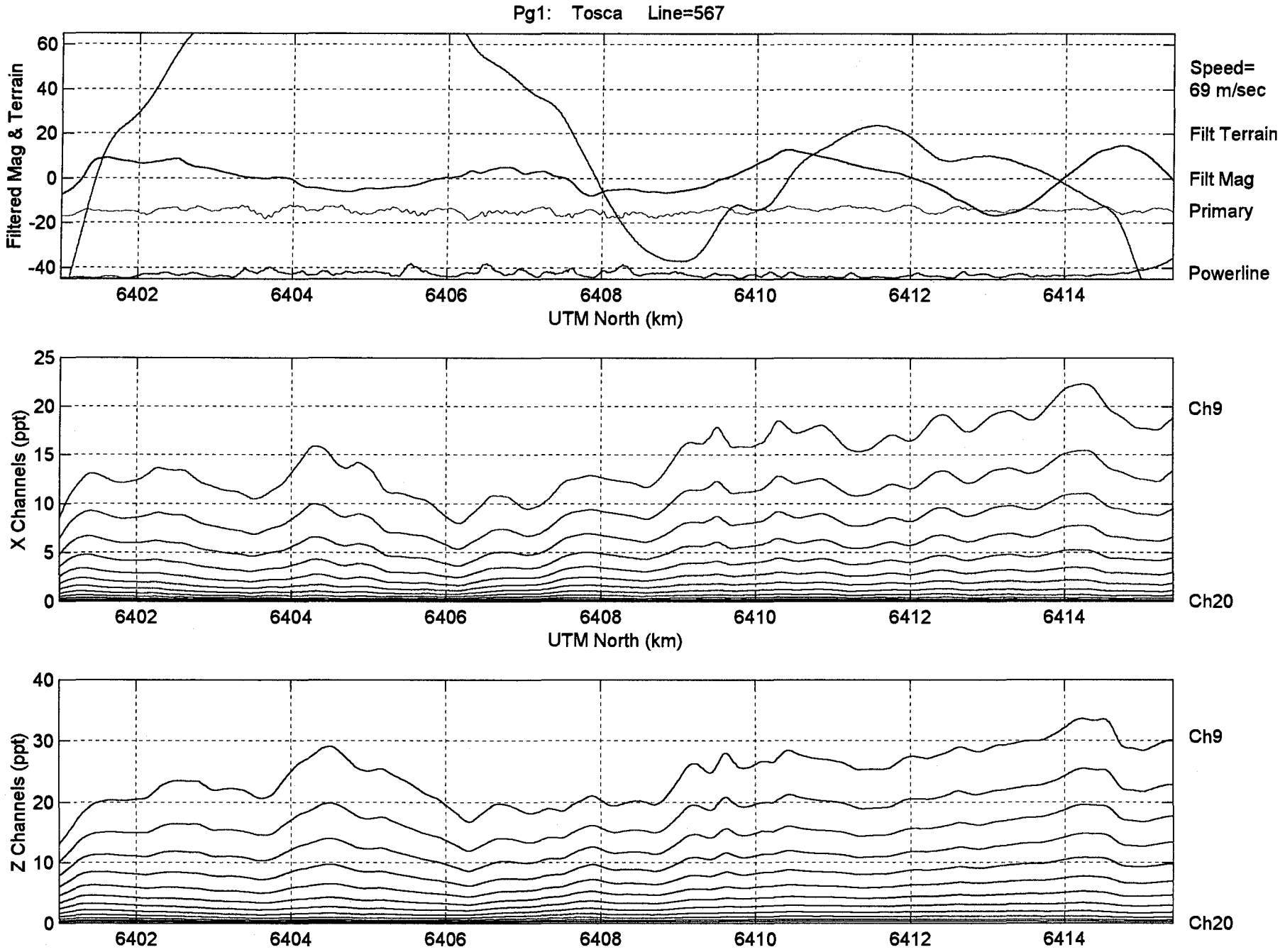

Pg1: Tosca Line=562
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
-65 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

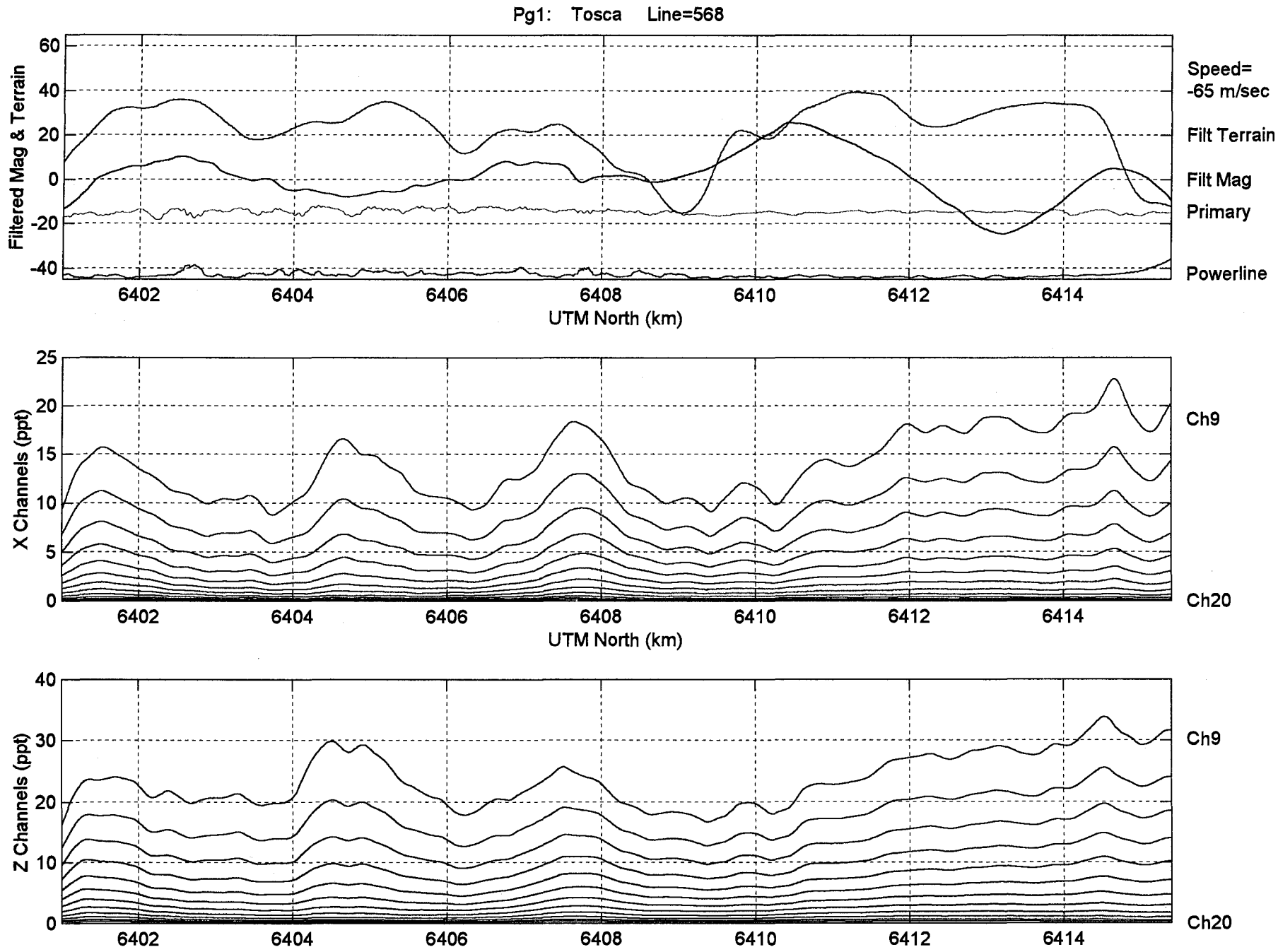

Pg1: Tosca Line=563
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
68 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
20
10
0
-10
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0
6402
6404
6406
6408
6410
6412
6414
Ch9
Ch20

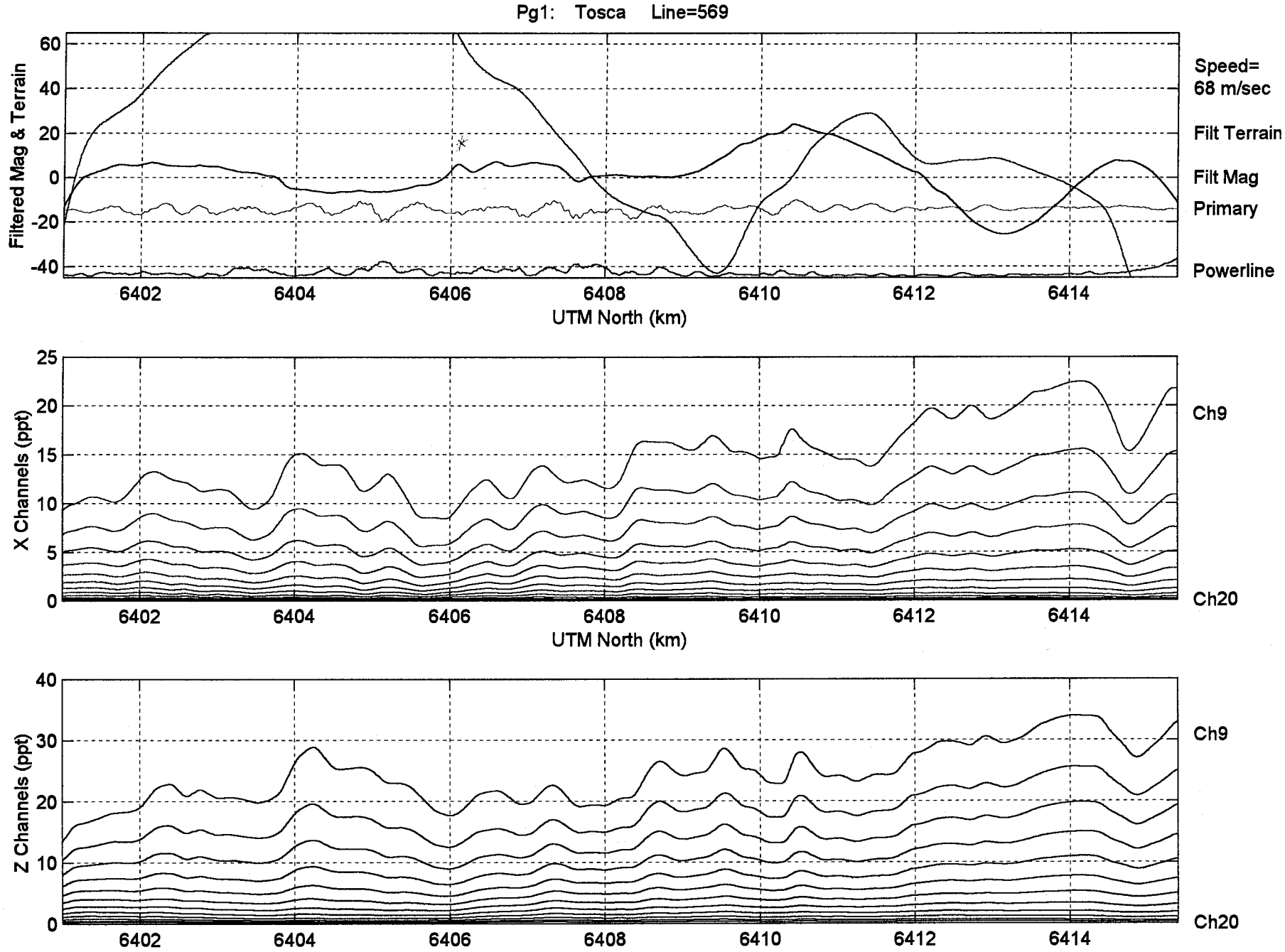

Pg1: Tosca Line=564
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
-65 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

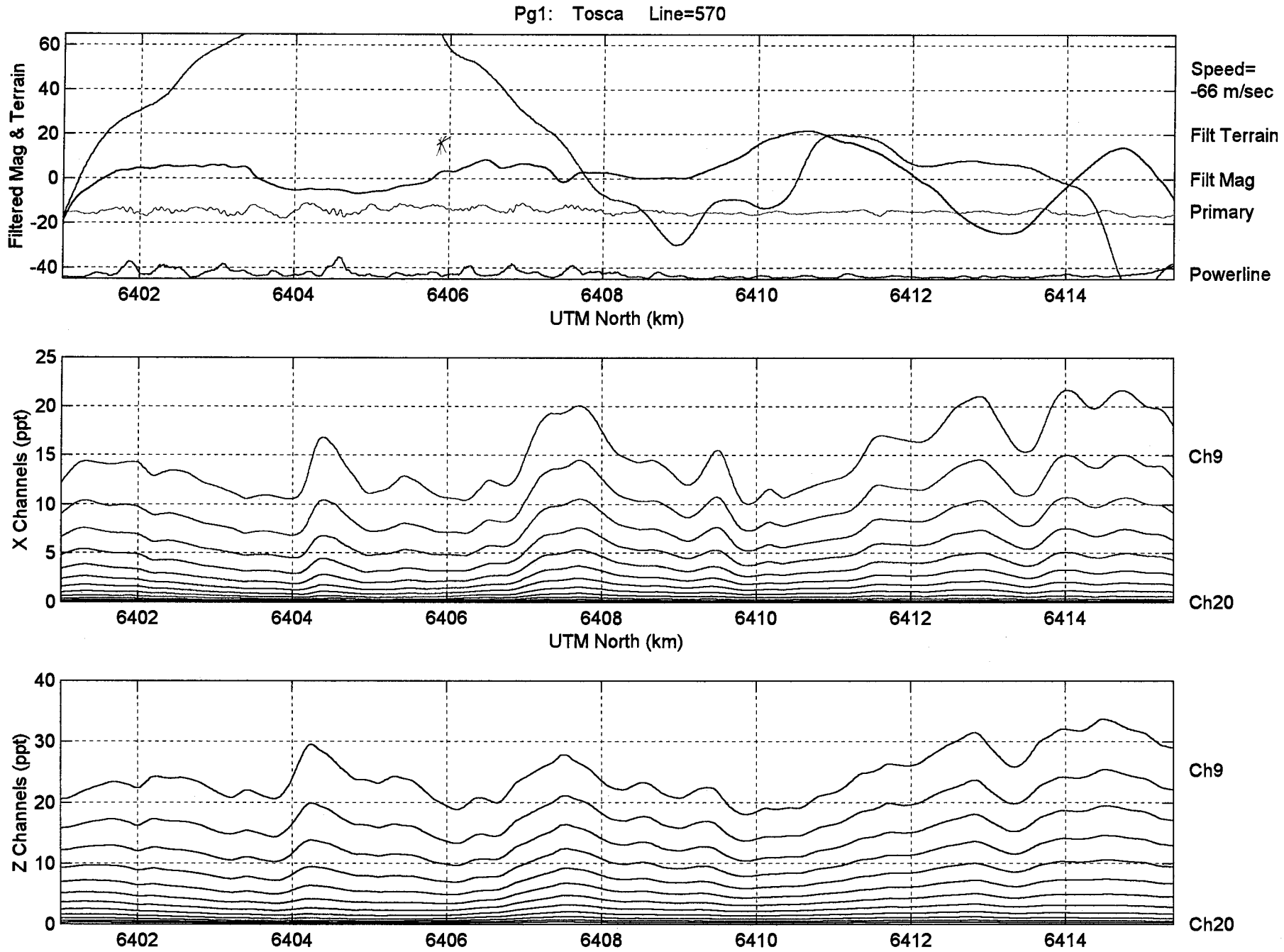

Pg1: Tosca Line=565
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
69 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0

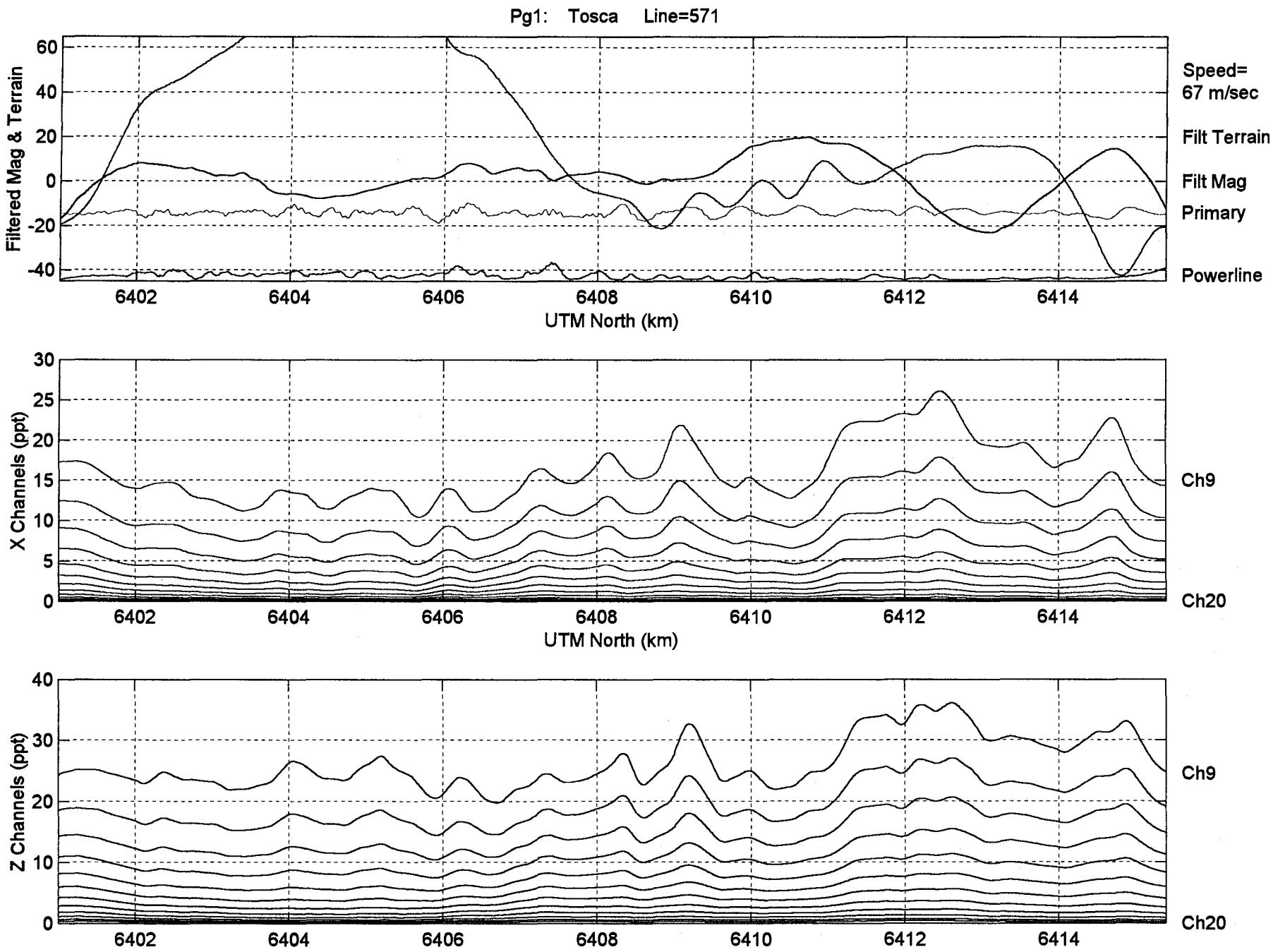

Pg1: Tosca Line=566
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
-67 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

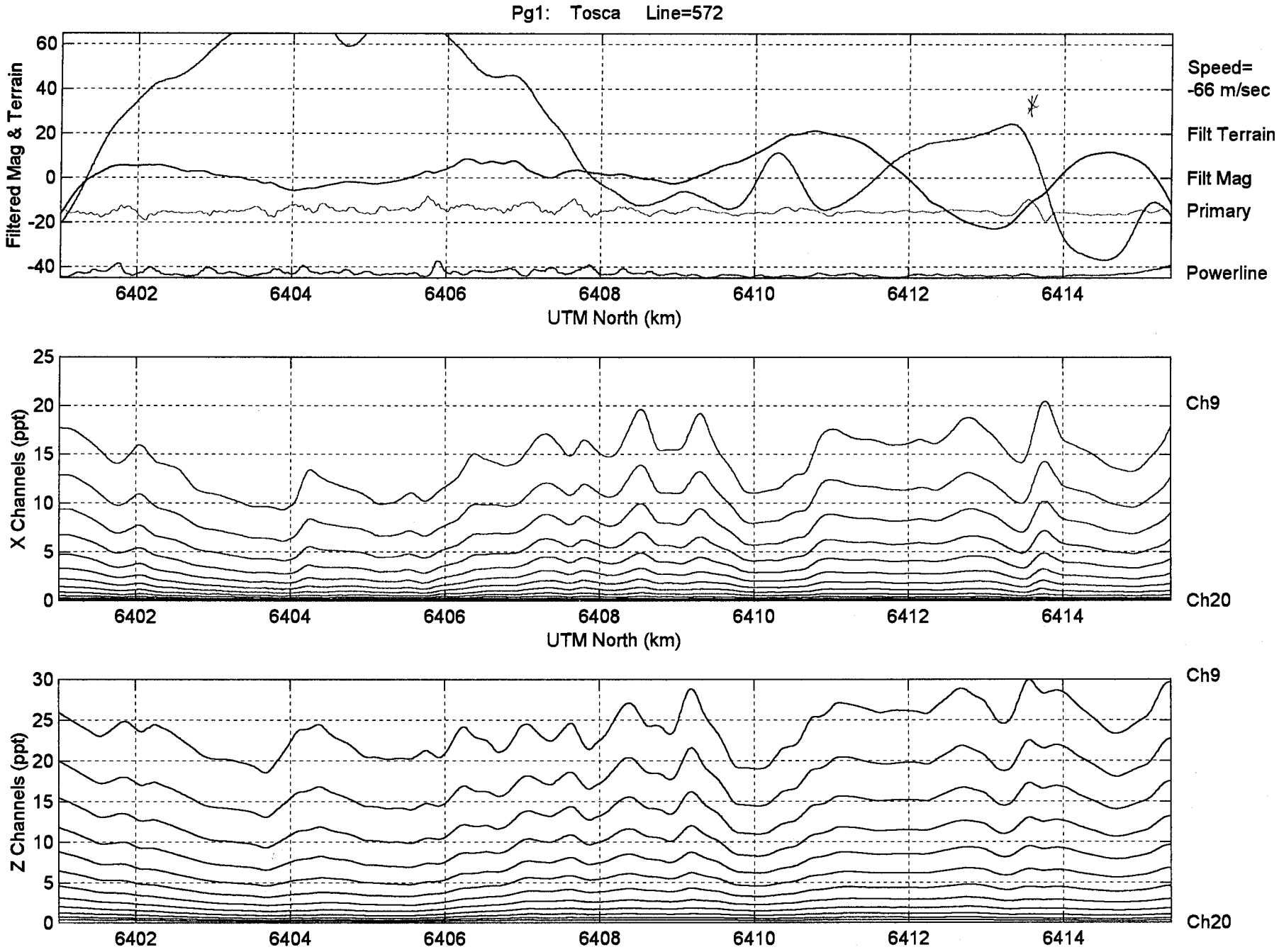

Pg1: Tosca Line=567
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
69 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

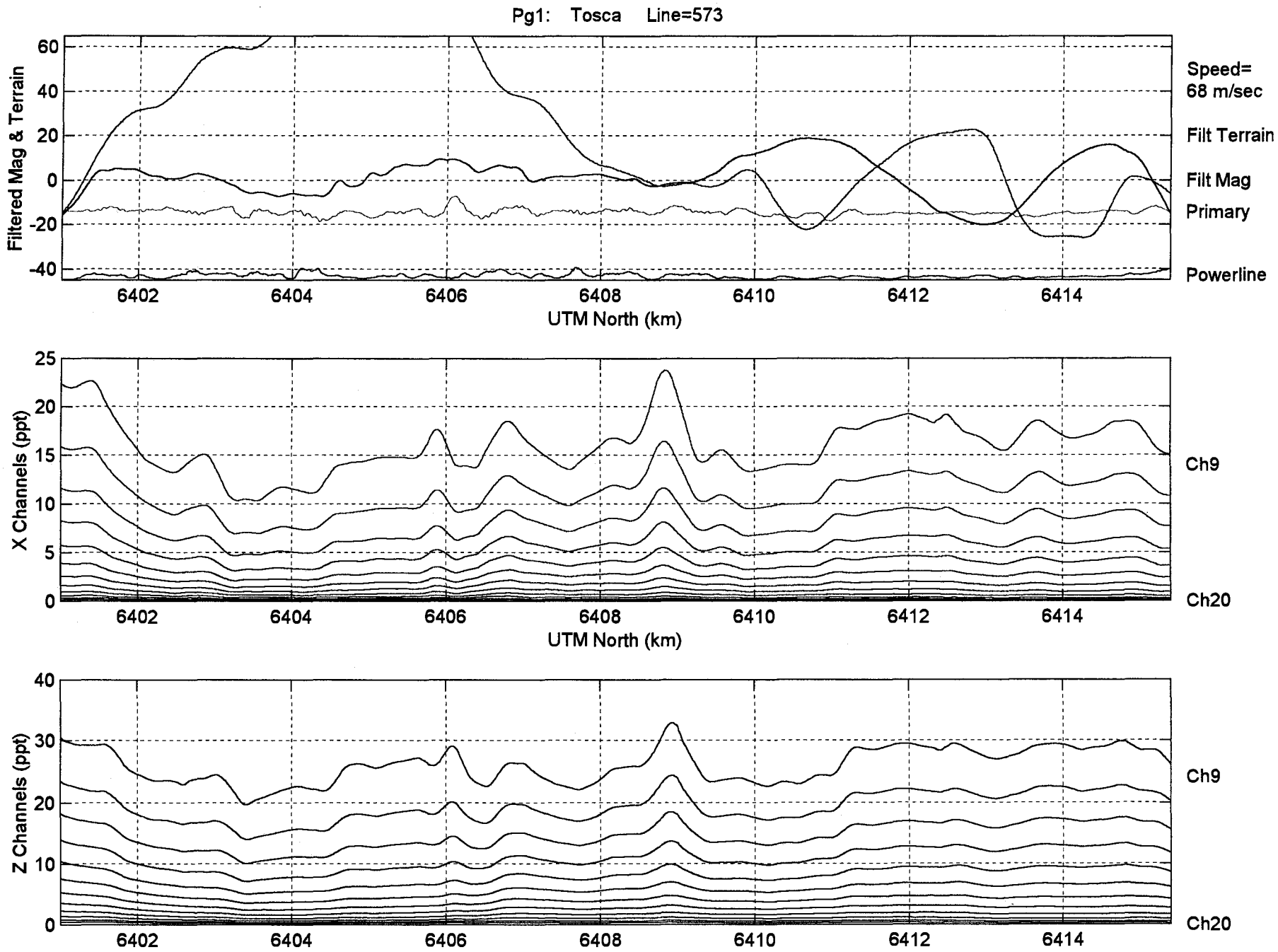

Pg1: Tosca Line=568
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
-65 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

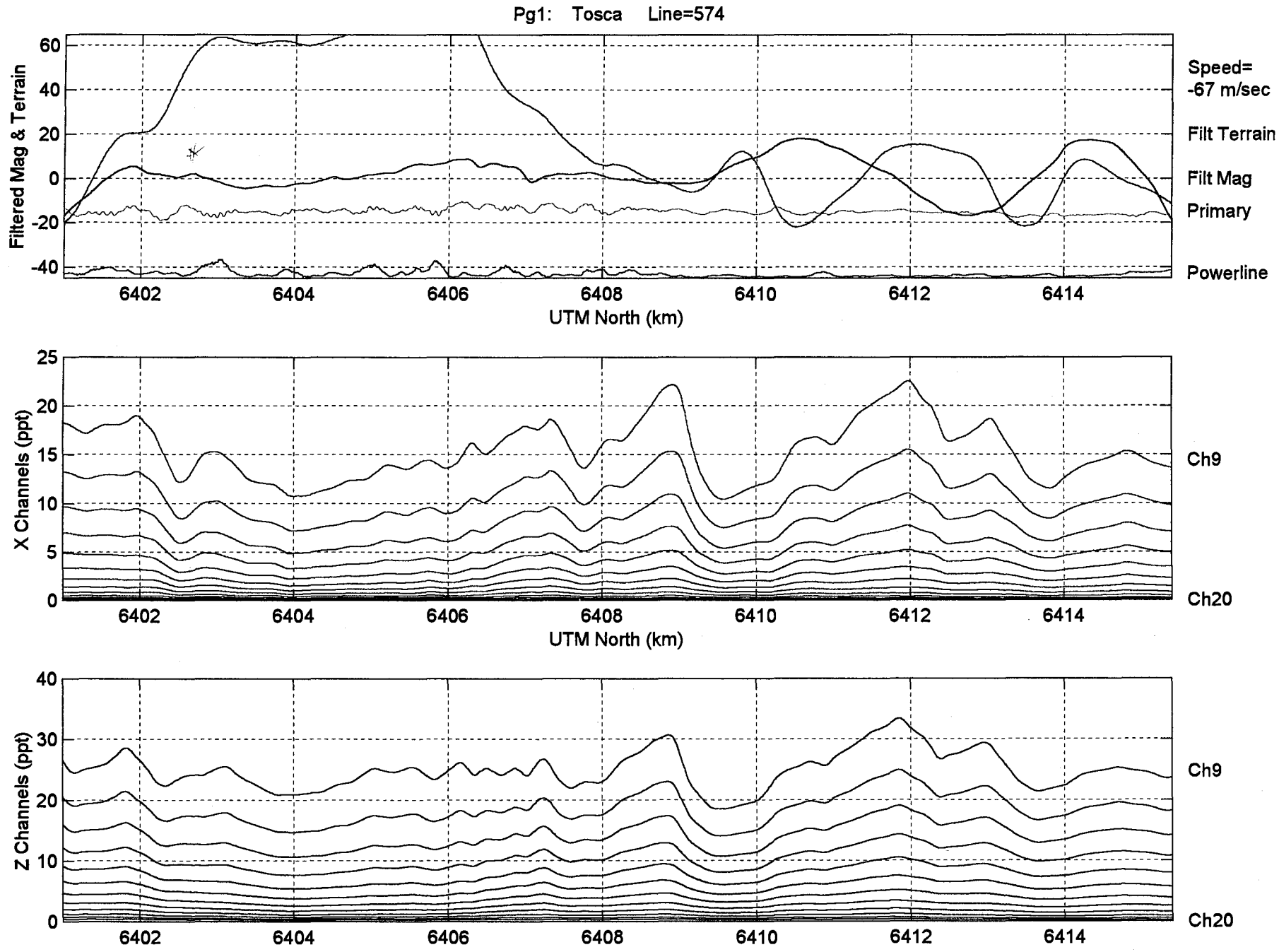

Pg1: Tosca Line=569
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
68 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

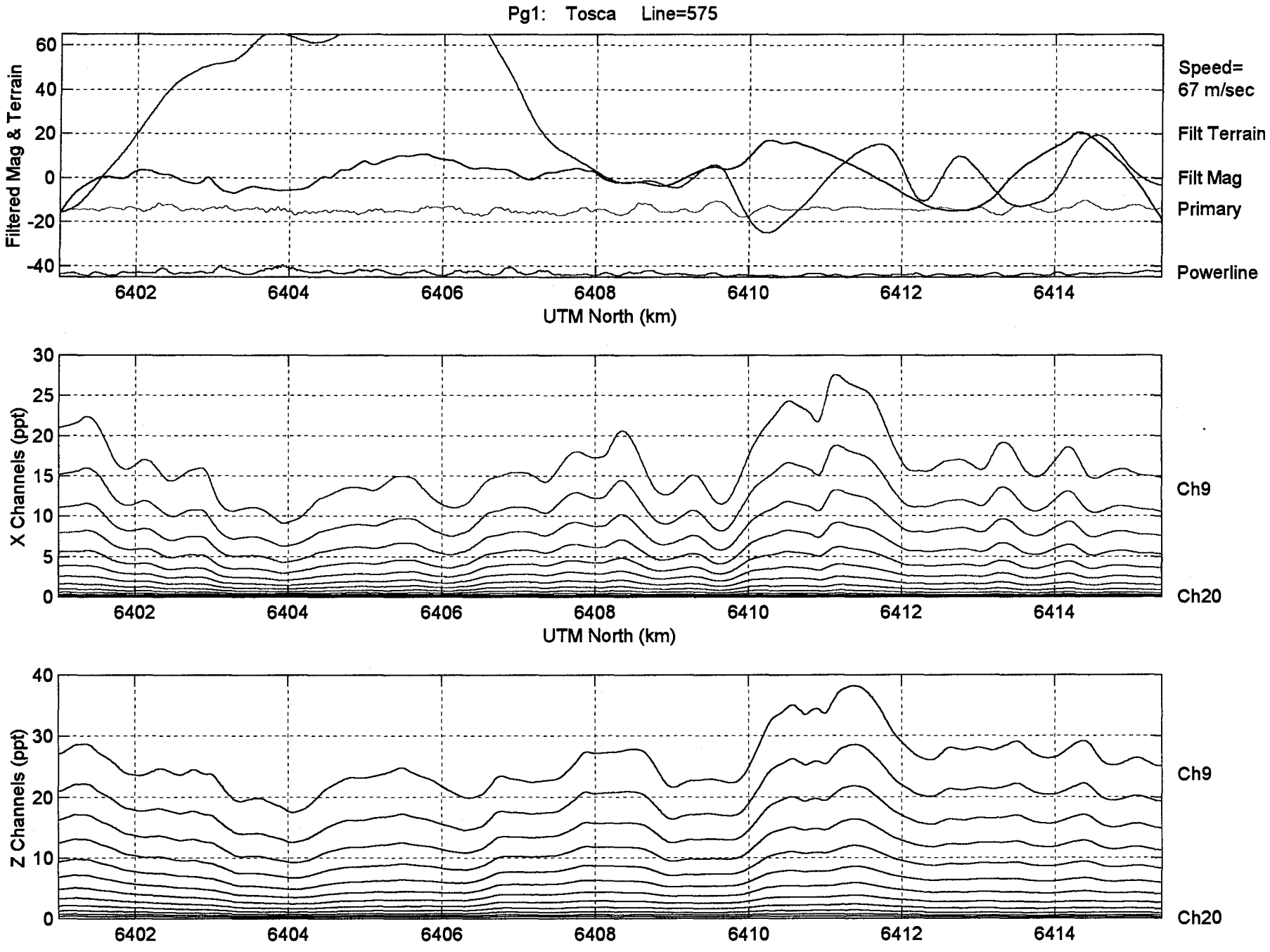

Pg1: Tosca Line=570
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
-66 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

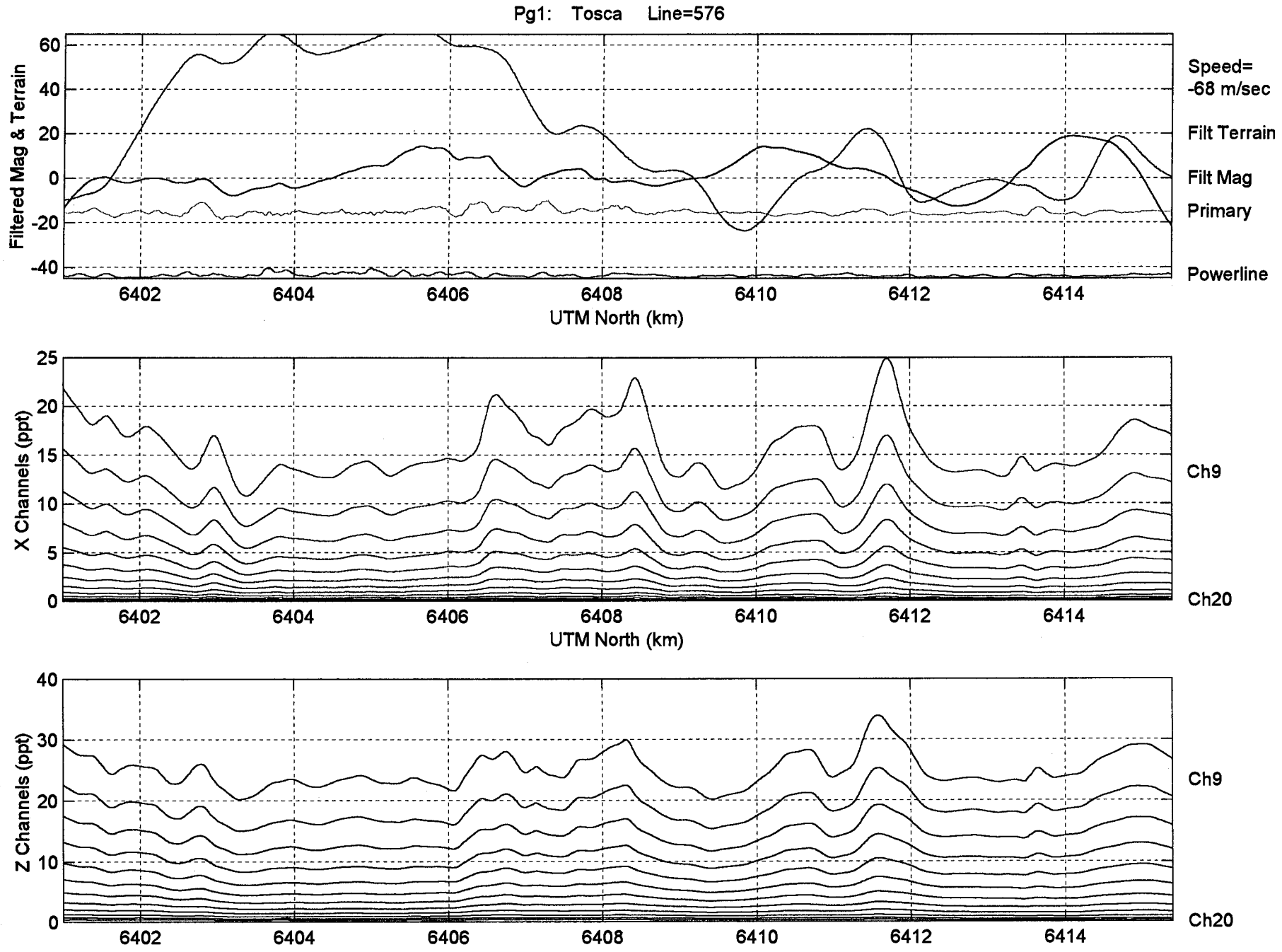

Pg1: Tosca Line=571
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
67 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

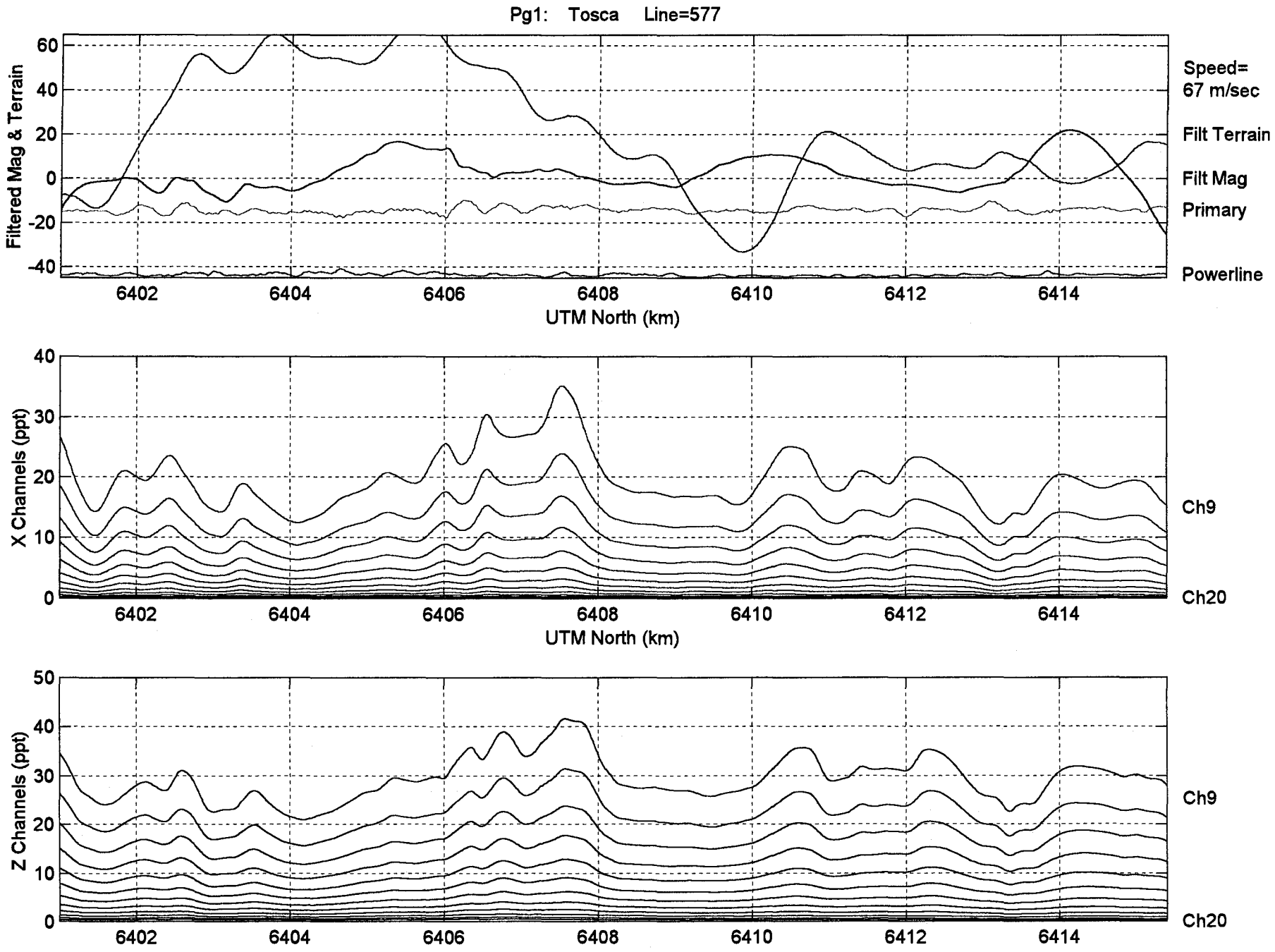

Pg1: Tosca Line=572
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
-66 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20

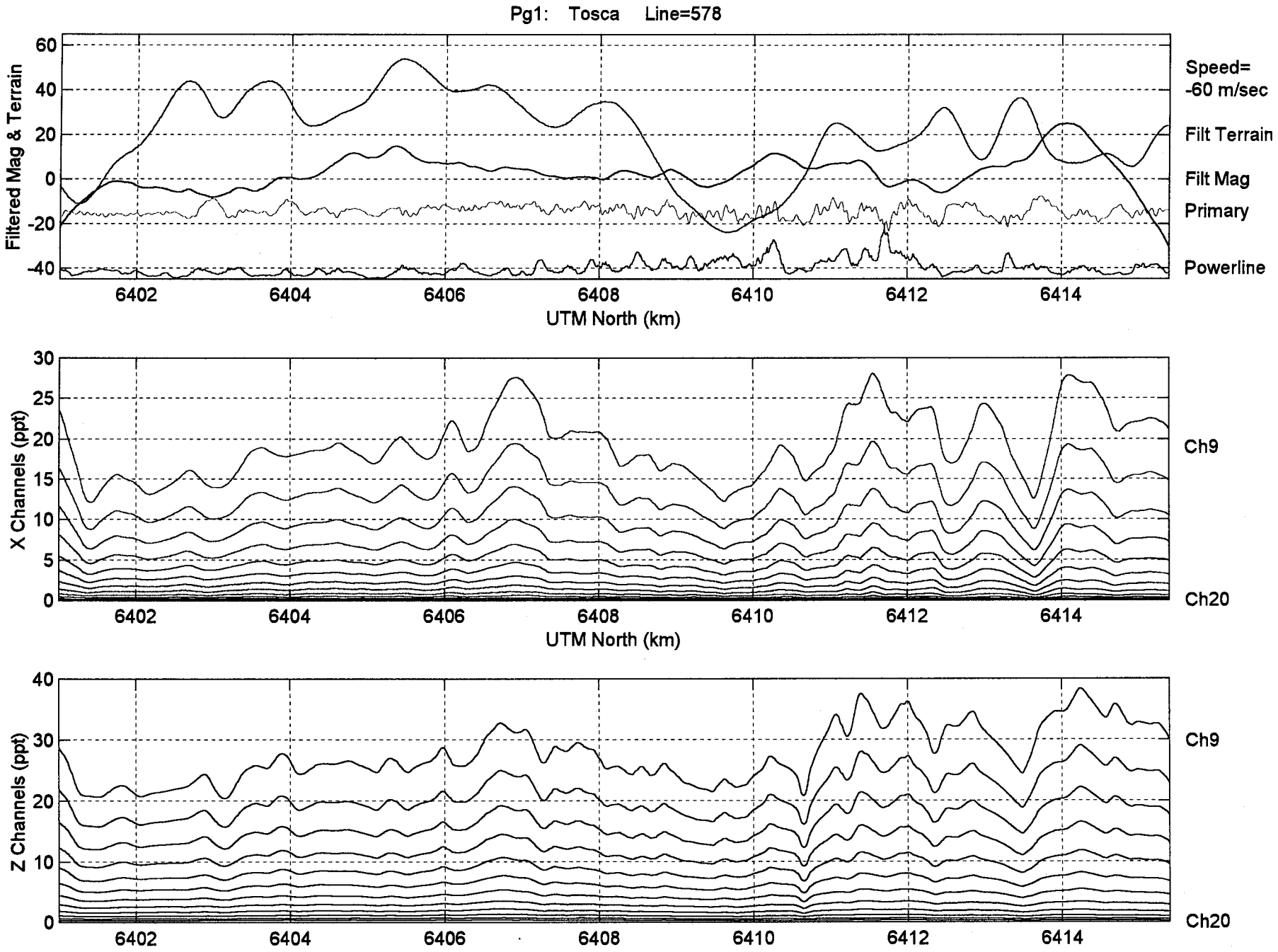

Pg1: Tosca Line=573
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
68 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

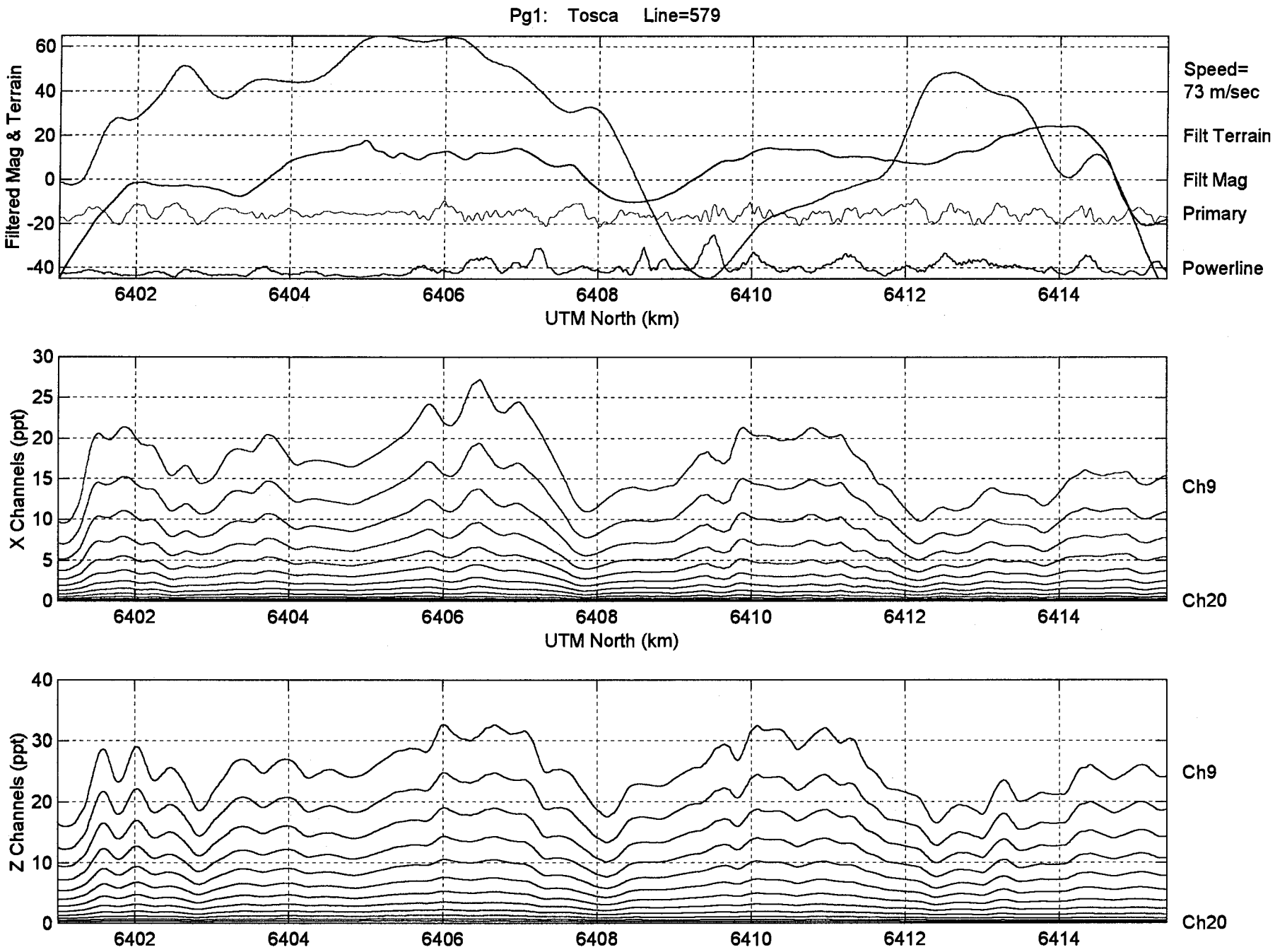

Pg1: Tosca Line=574
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
-67 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

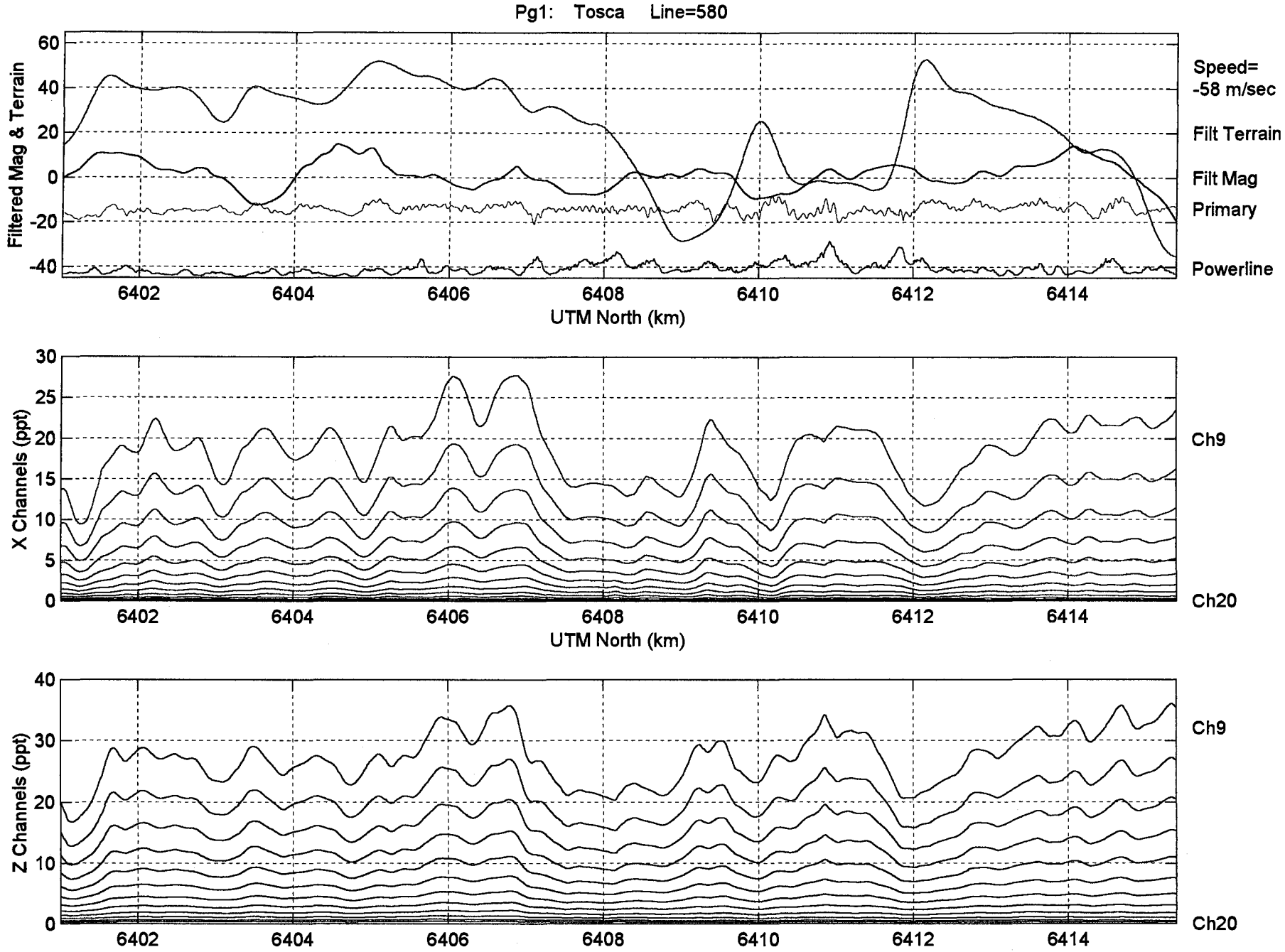

Pg1: Tosca Line=575
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
67 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

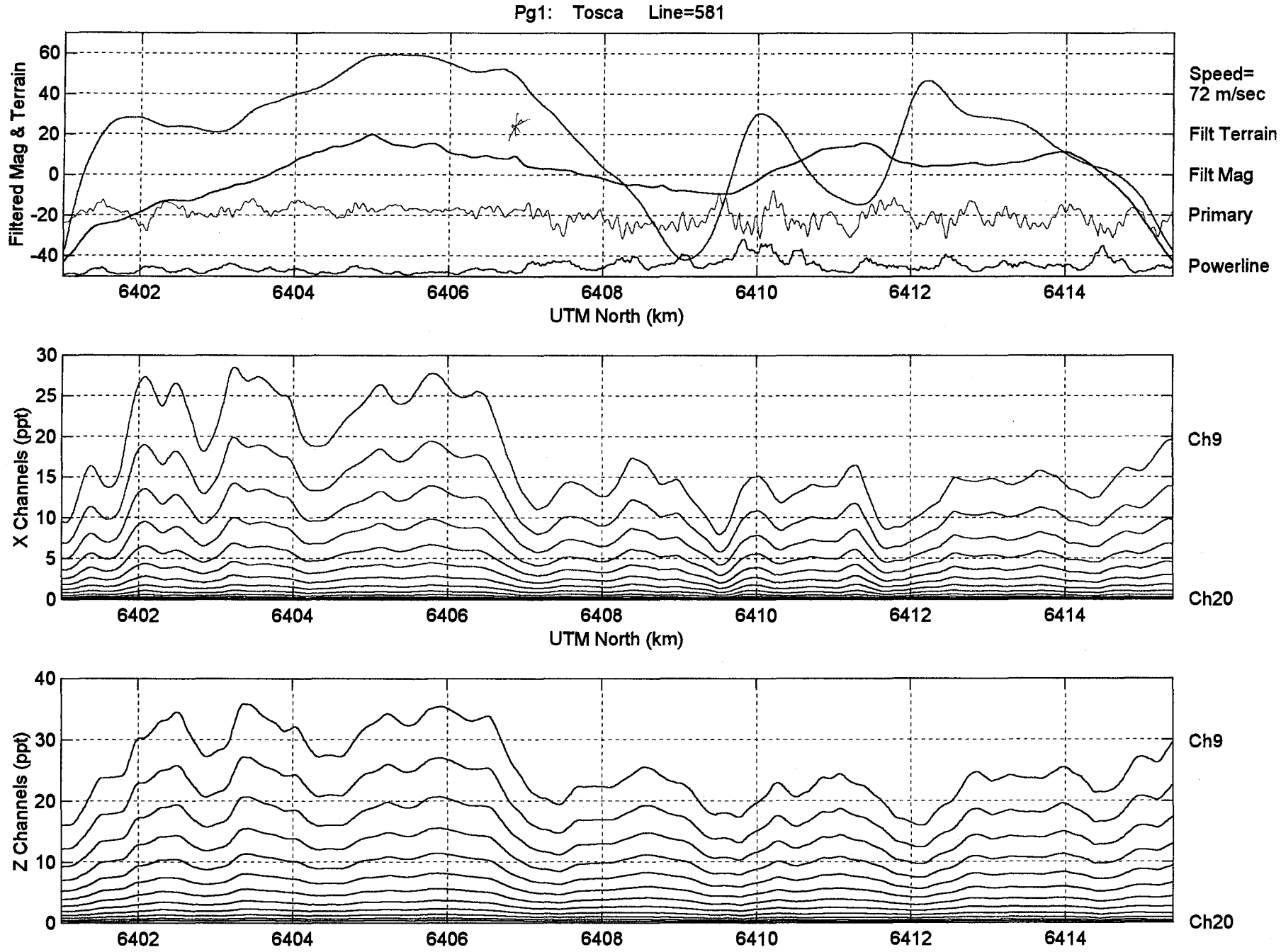

Pg1: Tosca Line=576
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
-68 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0
6402
6404
6406
6408
6410
6412
6414
Ch9
Ch20

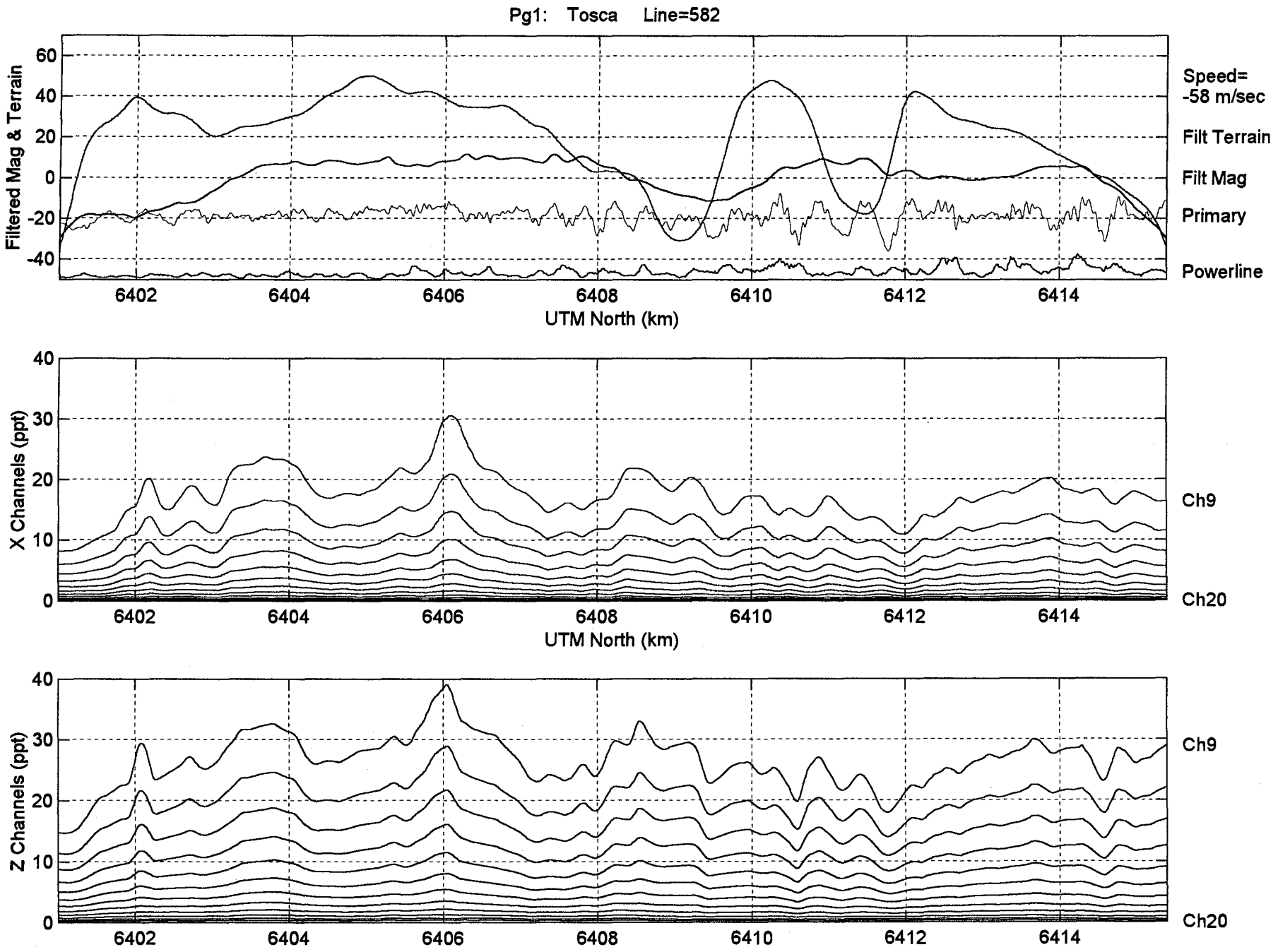

Pg1: Tosca Line=577
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
67 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
40
30
20
10
0
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
50
40
30
20
10
0
6402
6404
6406
6408
6410
6412
6414
Ch9
Ch20

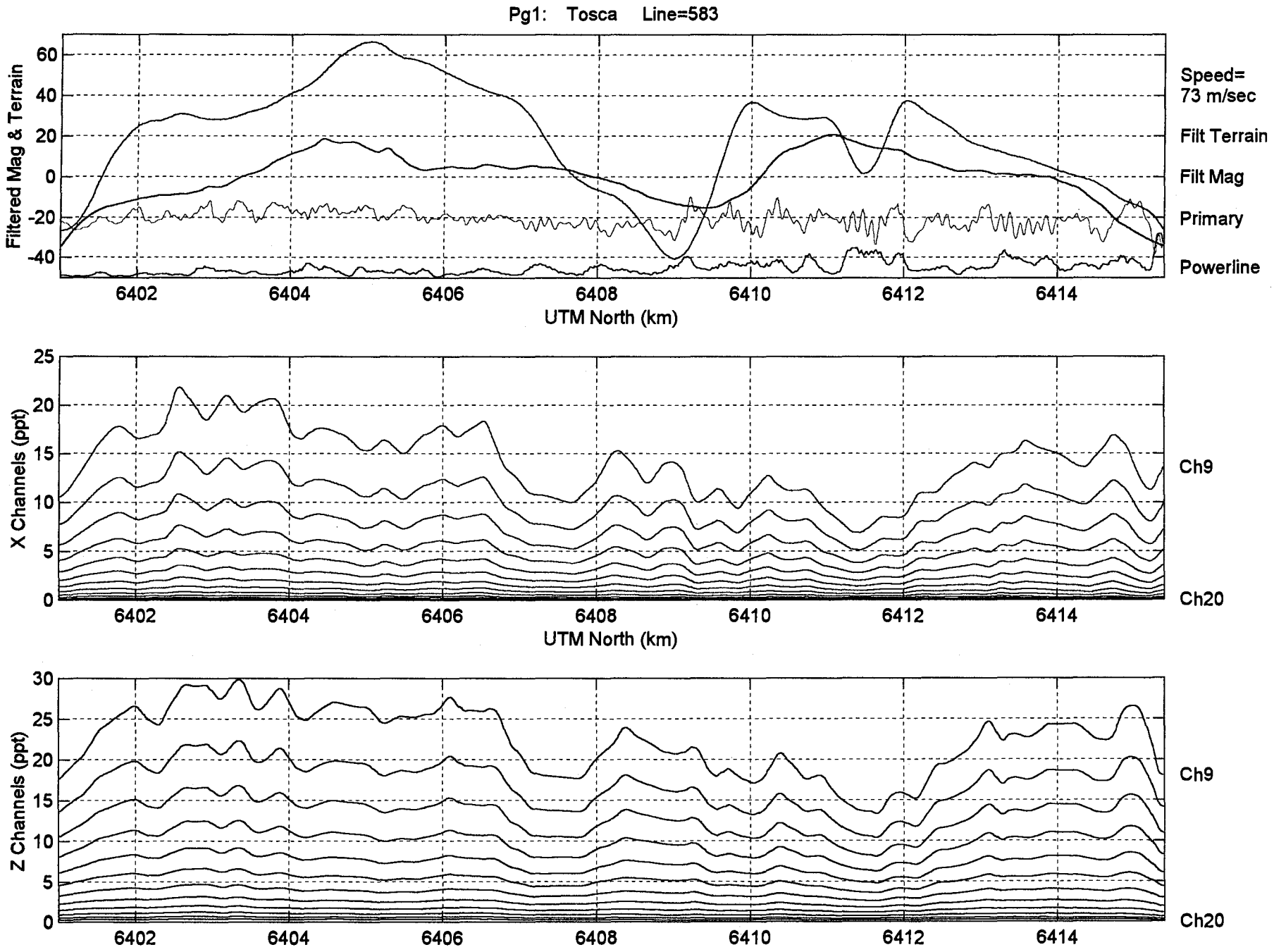

Pg1: Tosca Line=578
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
-60 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

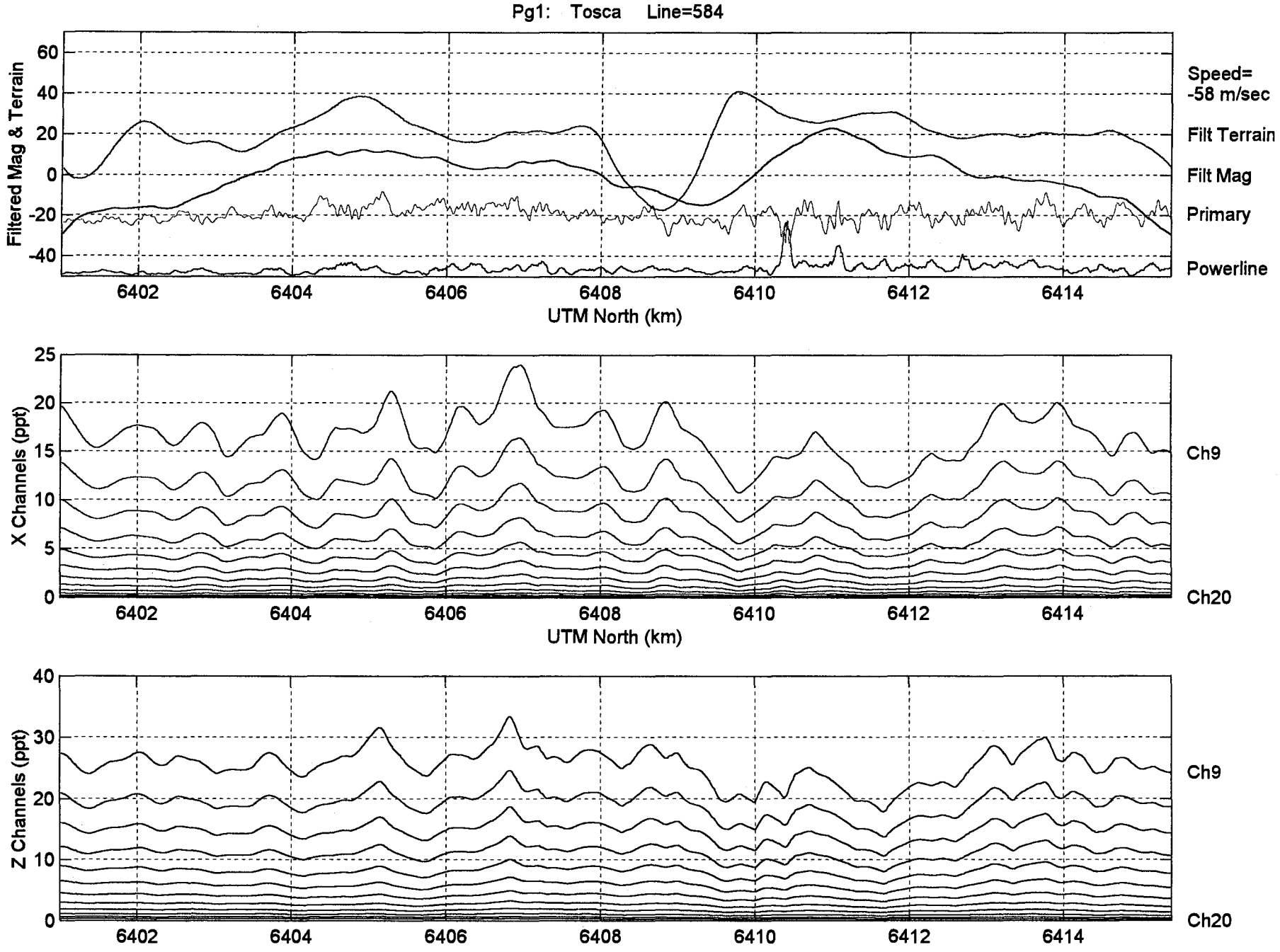

Pg1: Tosca Line=579
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
73 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

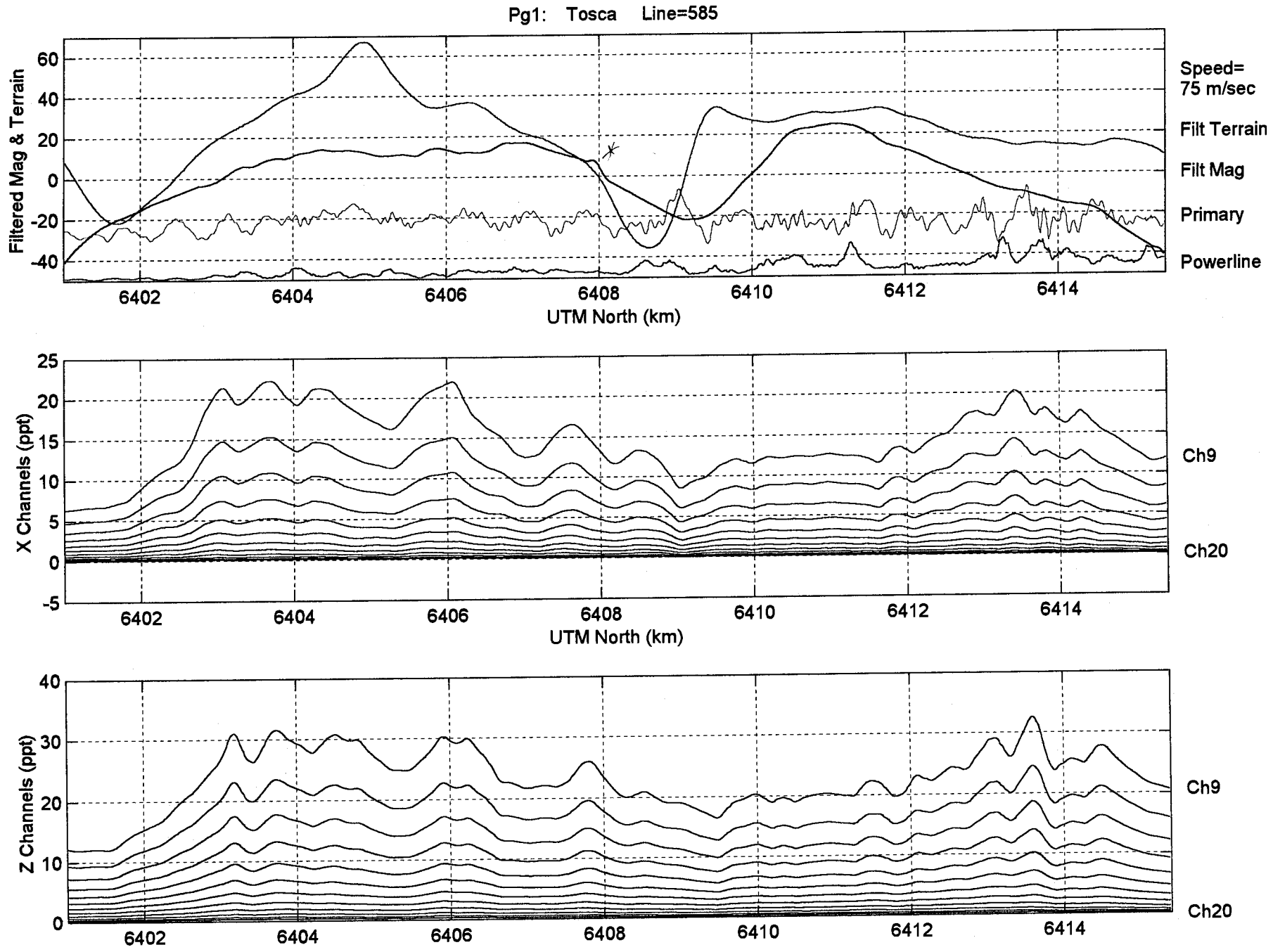

Pg1: Tosca Line=580
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
-58 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

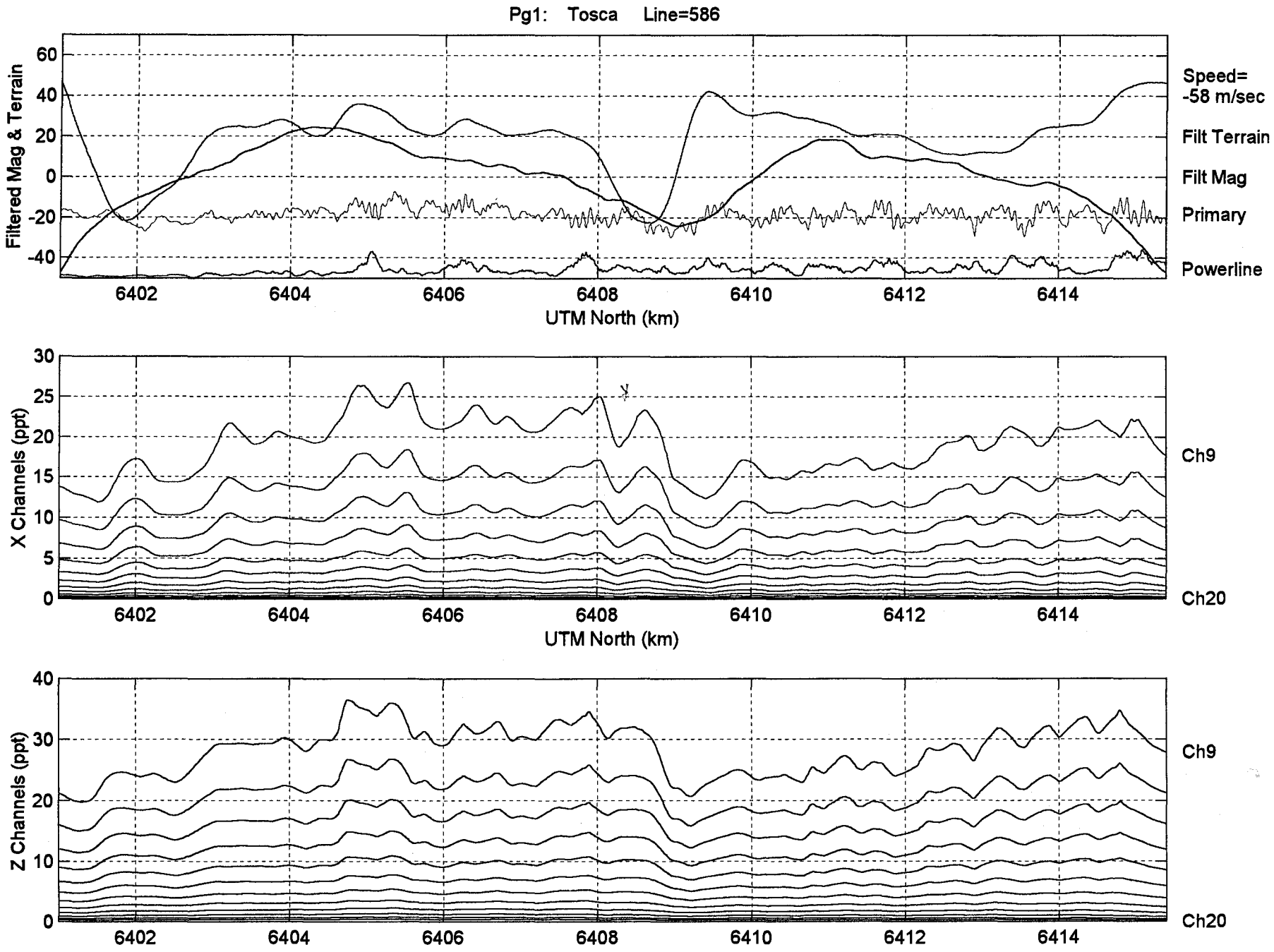

Pg1: Tosca Line=581
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
72 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

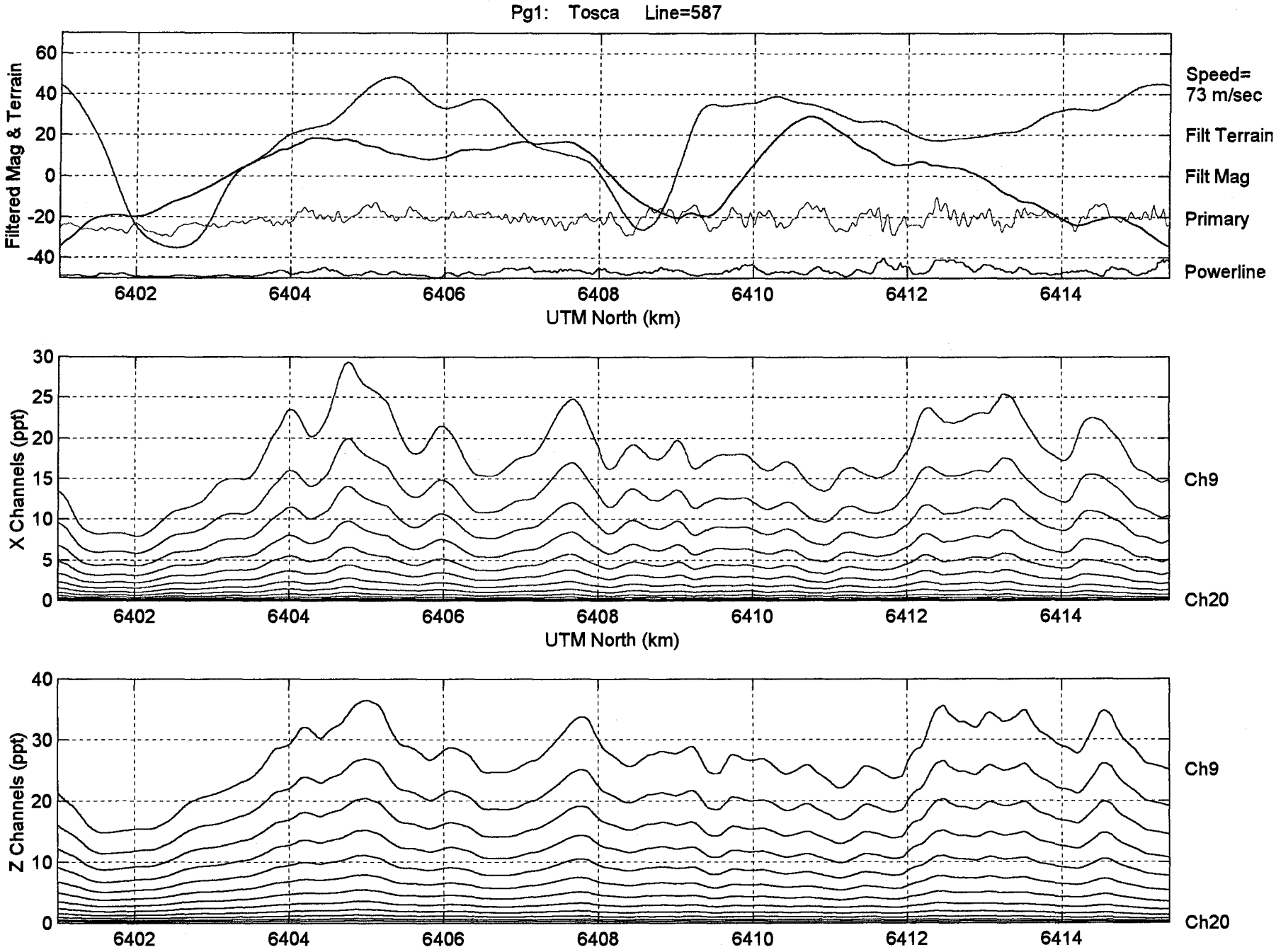

Pg1: Tosca Line=582
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
-58 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
40
30
20
10
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)

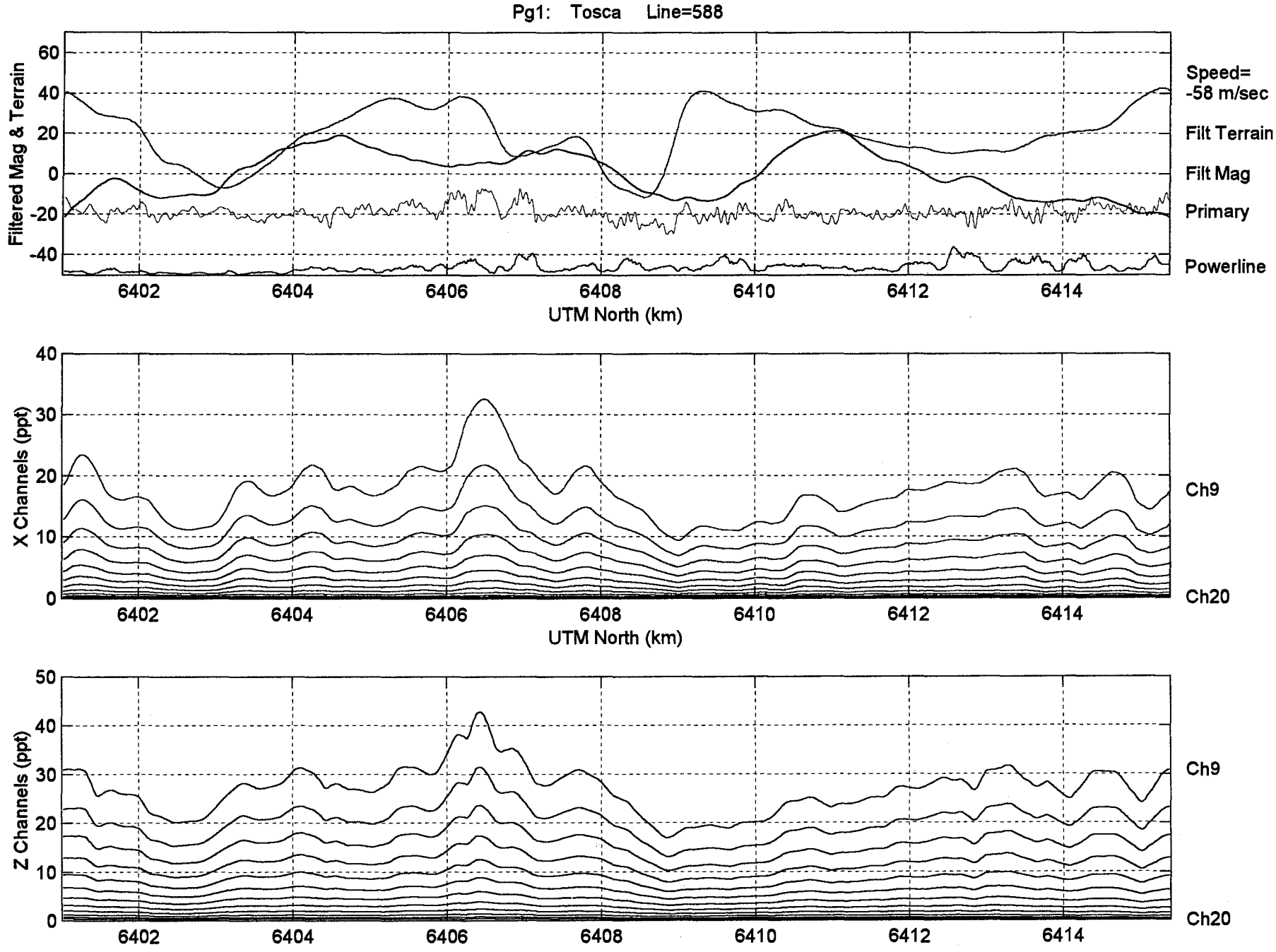

Pg1: Tosca Line=583
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
73 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
30
25
20
15
10
5
0
6402
6404
6406
6408
6410
6412
6414
Ch9
Ch20

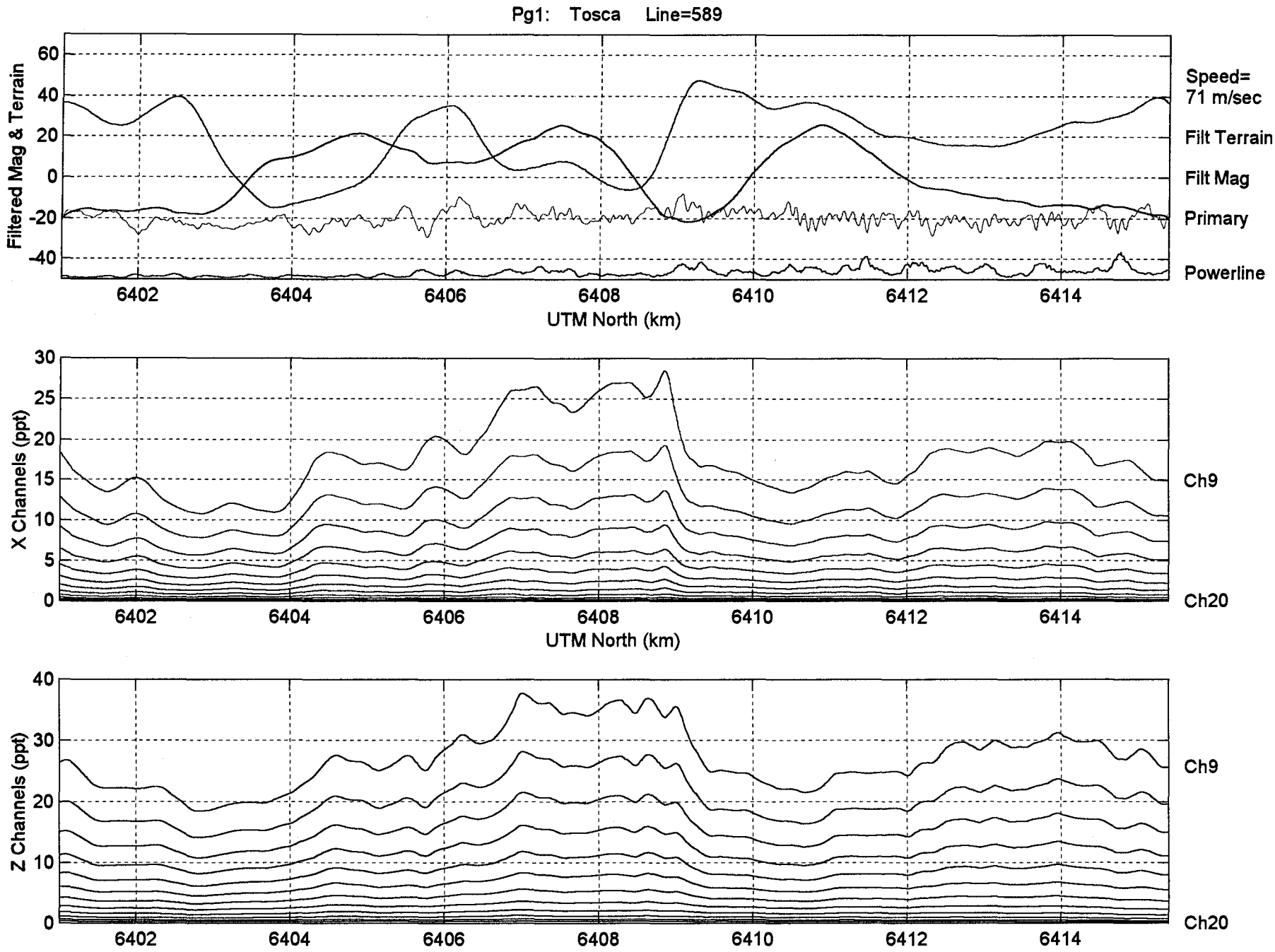

Pg1: Tosca Line=584
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
-58 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20


Pg1: Tosca Line=585
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
75 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
-5
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0
6402
6404
6406
6408
6410
6412
6414
Ch9
Ch20


Pg1: Tosca Line=586
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
-58 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20


Pg1: Tosca Line=587
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
73 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20


Pg1: Tosca Line=588
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
-58 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
40
30
20
10
0
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Ch9
Ch20
Z Channels (ppt)
50
40
30
20
10
0
6402
6404
6406
6408
6410
6412
6414
Ch9
Ch20

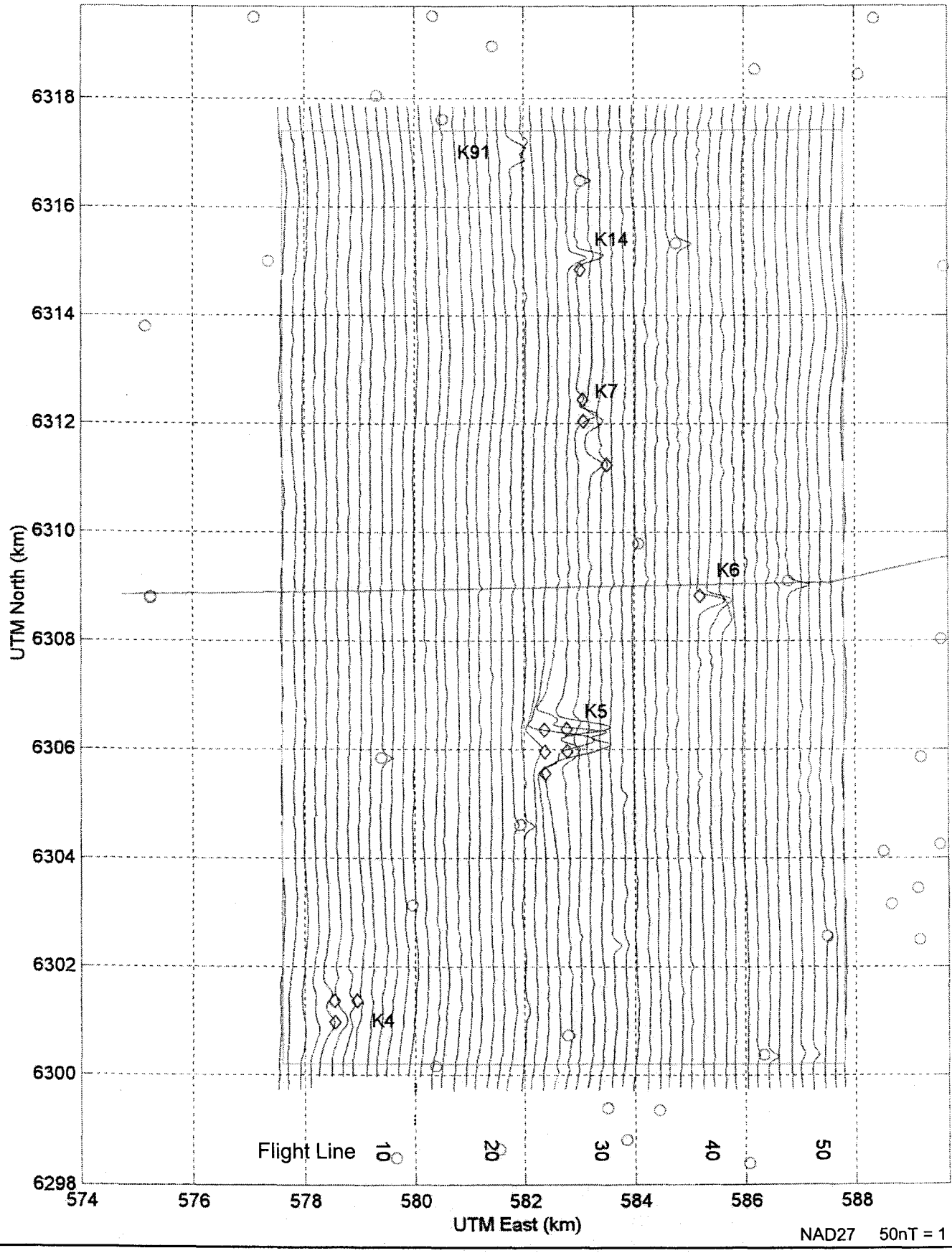

Pg1: Tosca Line=589
Filtered Mag & Terrain
60
40
20
0
-20
-40
6402
6404
6406
6408
6410
6412
6414
UTM North (km)
Speed=
71 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

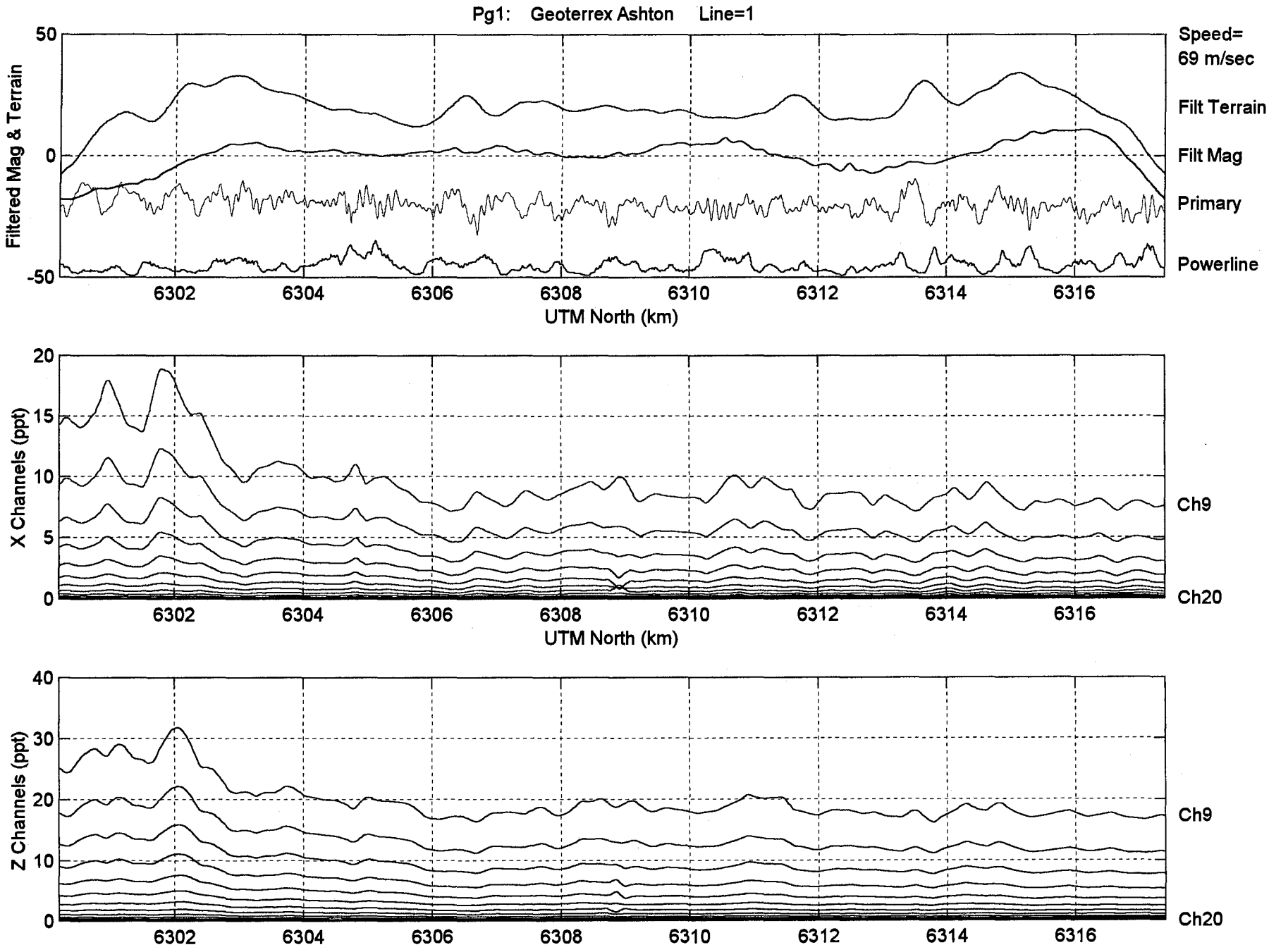
APPENDIX 9

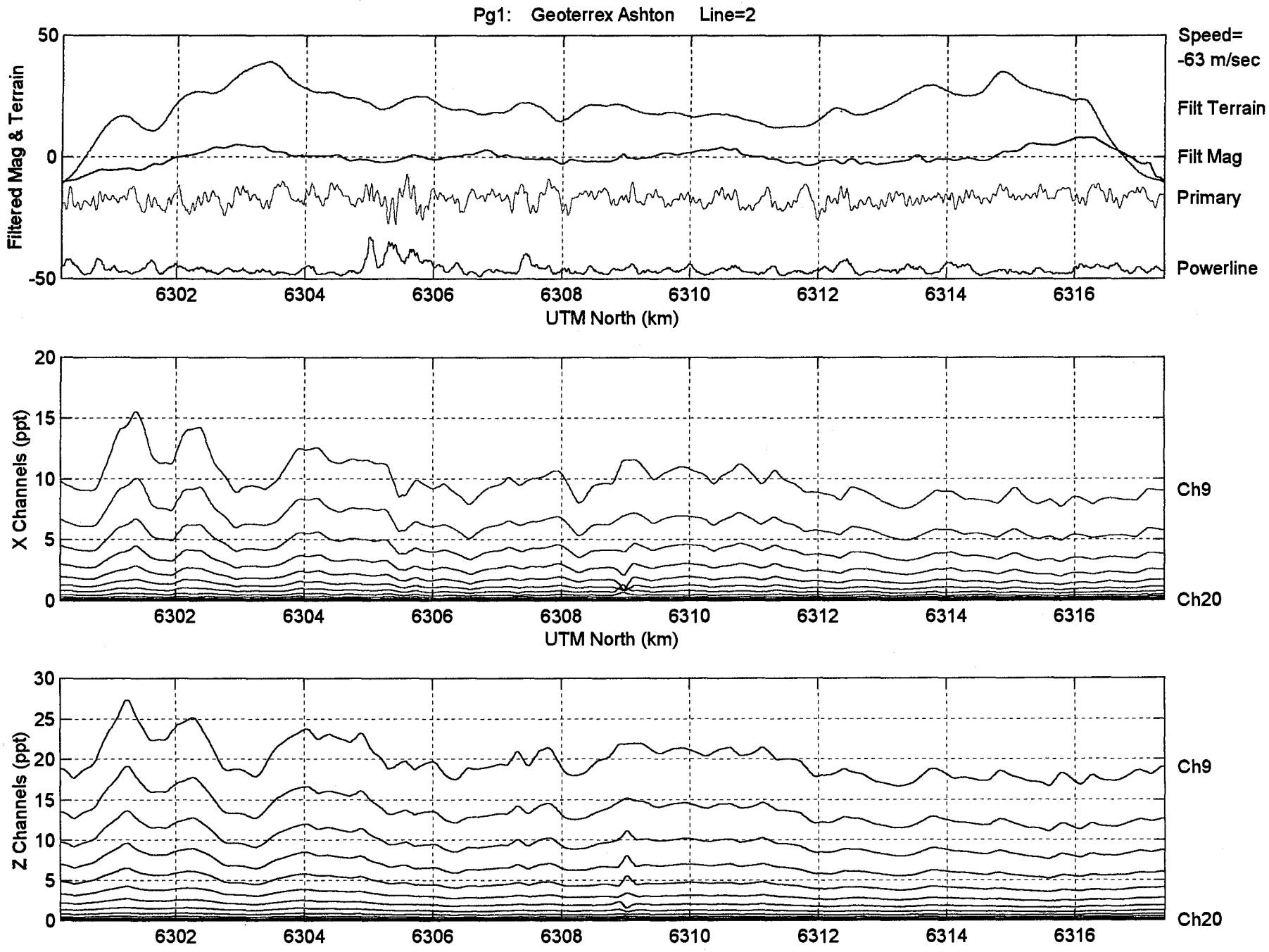
GEOTEM MAGNETIC AND ELECTROMAGNETIC SURVEY

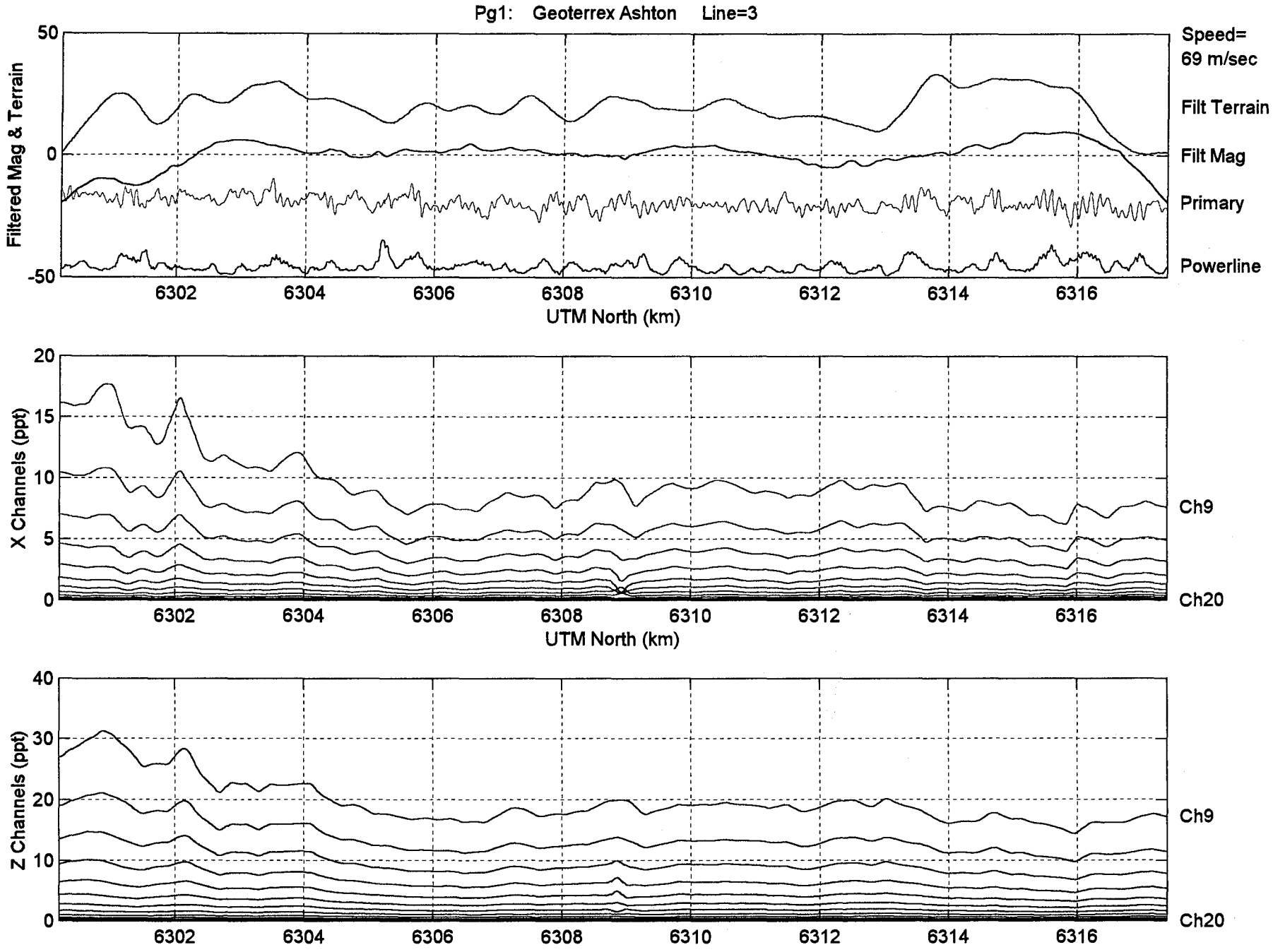
FLIGHT LINE PROFILES – BUFFALO HEAD KIMBERLITES

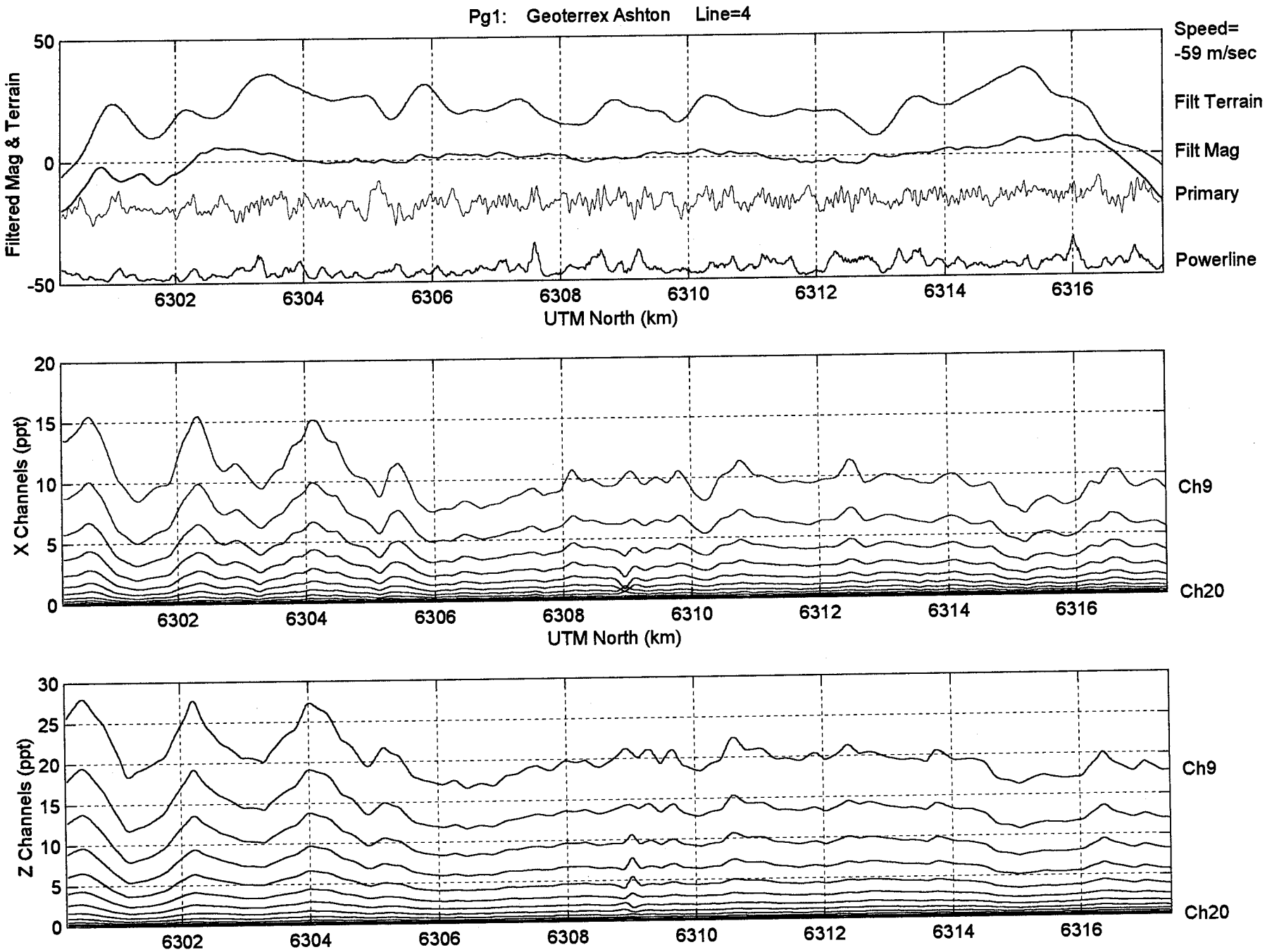
Geoterrex Survey of Buffalo Head Kimberlites
Total Magnetic Field Stack Plot,
Flight Line Reference For GEOTEM Survey

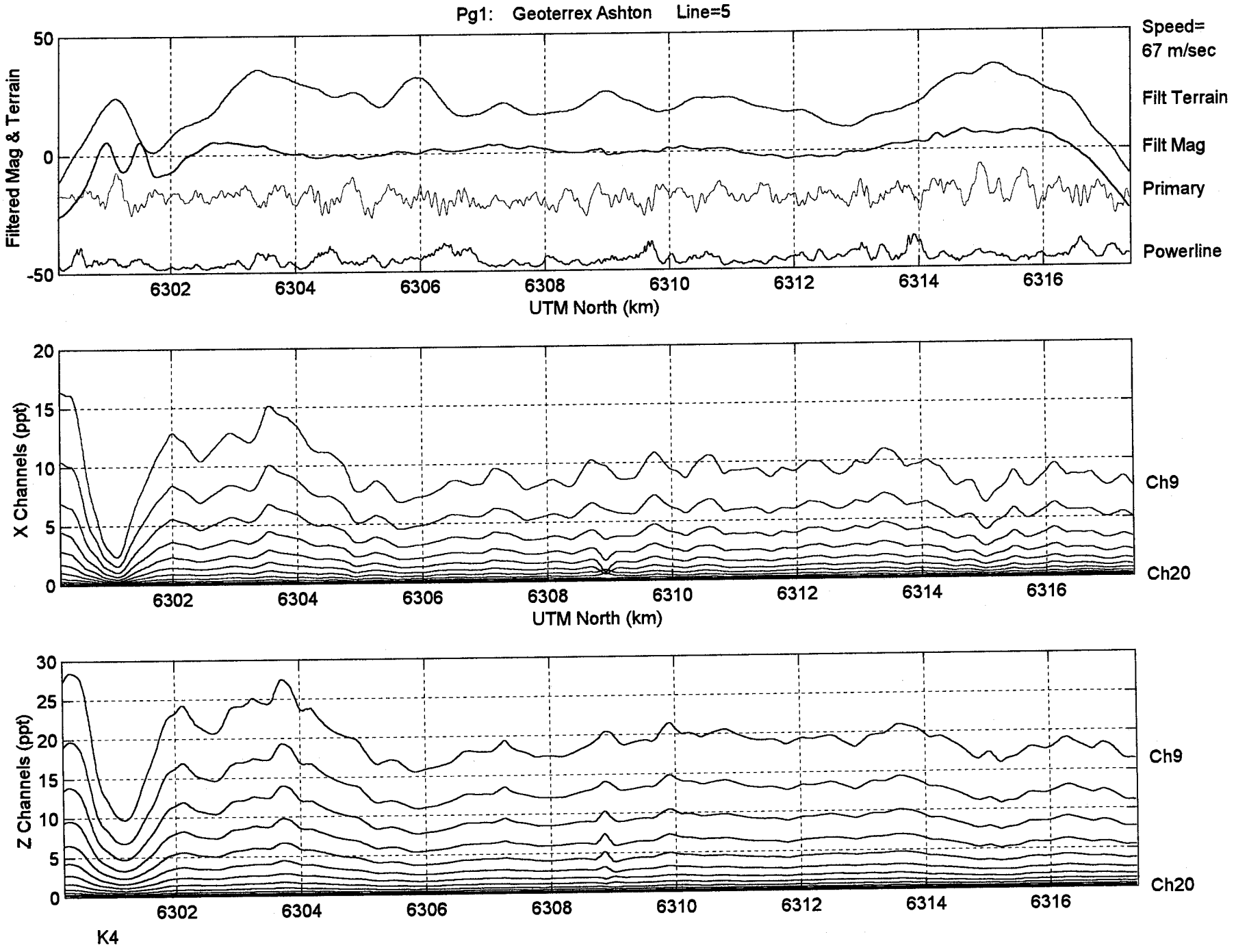


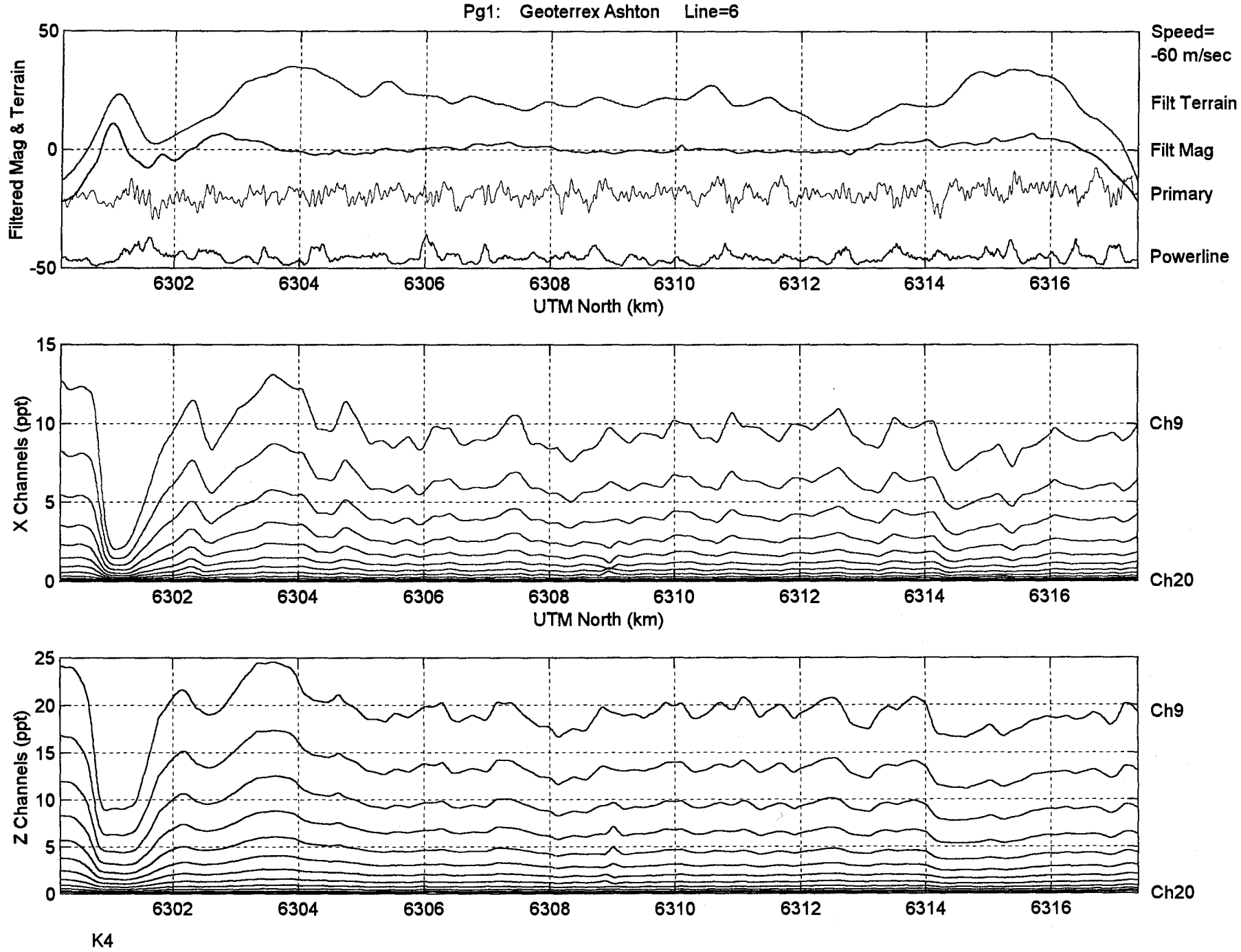

Pg1: Geoterrex Ashton Line=1
Filtered Mag & Terrain
50
0
-50
Speed=
69 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

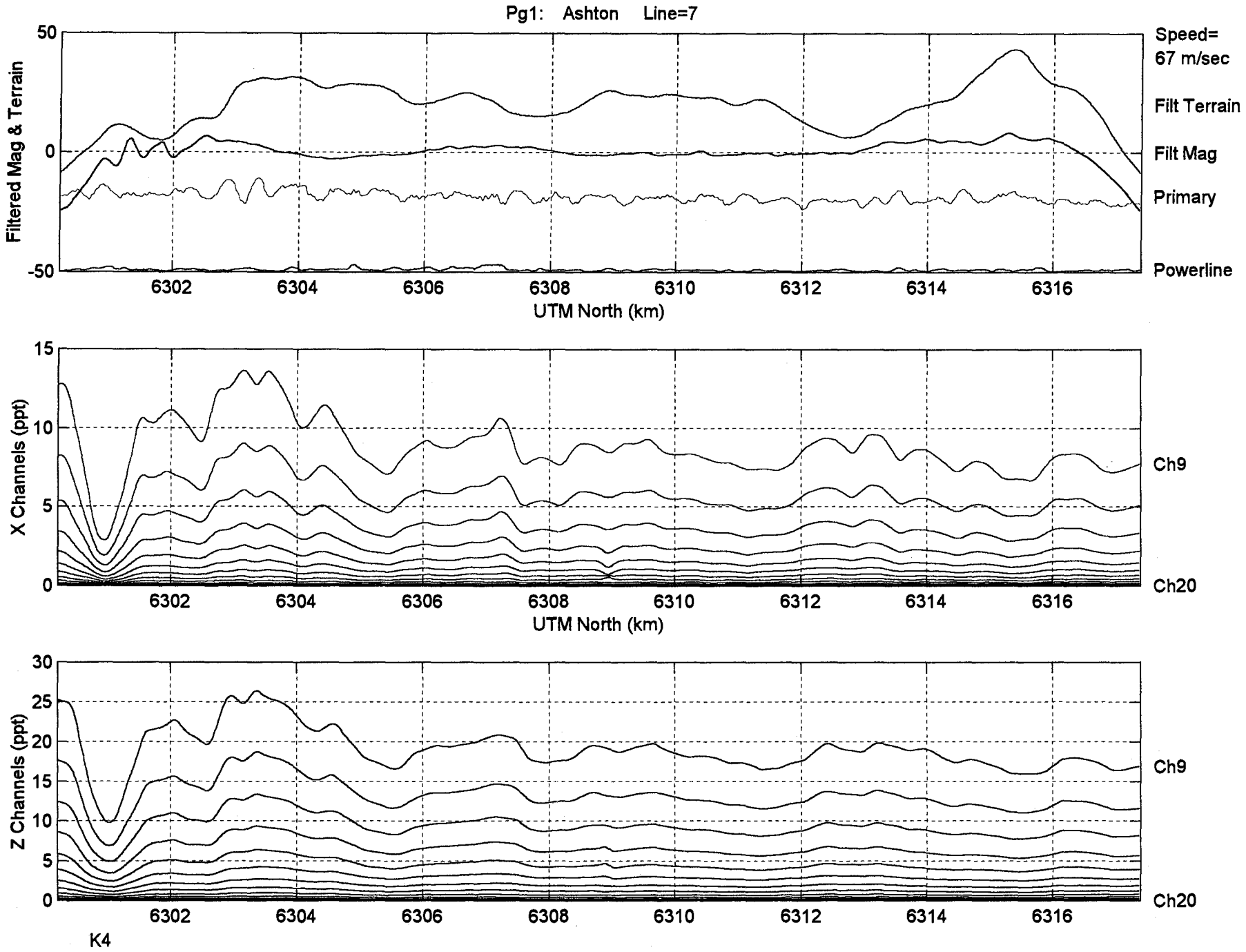

Pg1: Geoterrex Ashton Line=2
Filtered Mag & Terrain
50
0
-50
Speed=
-63 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Z Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316

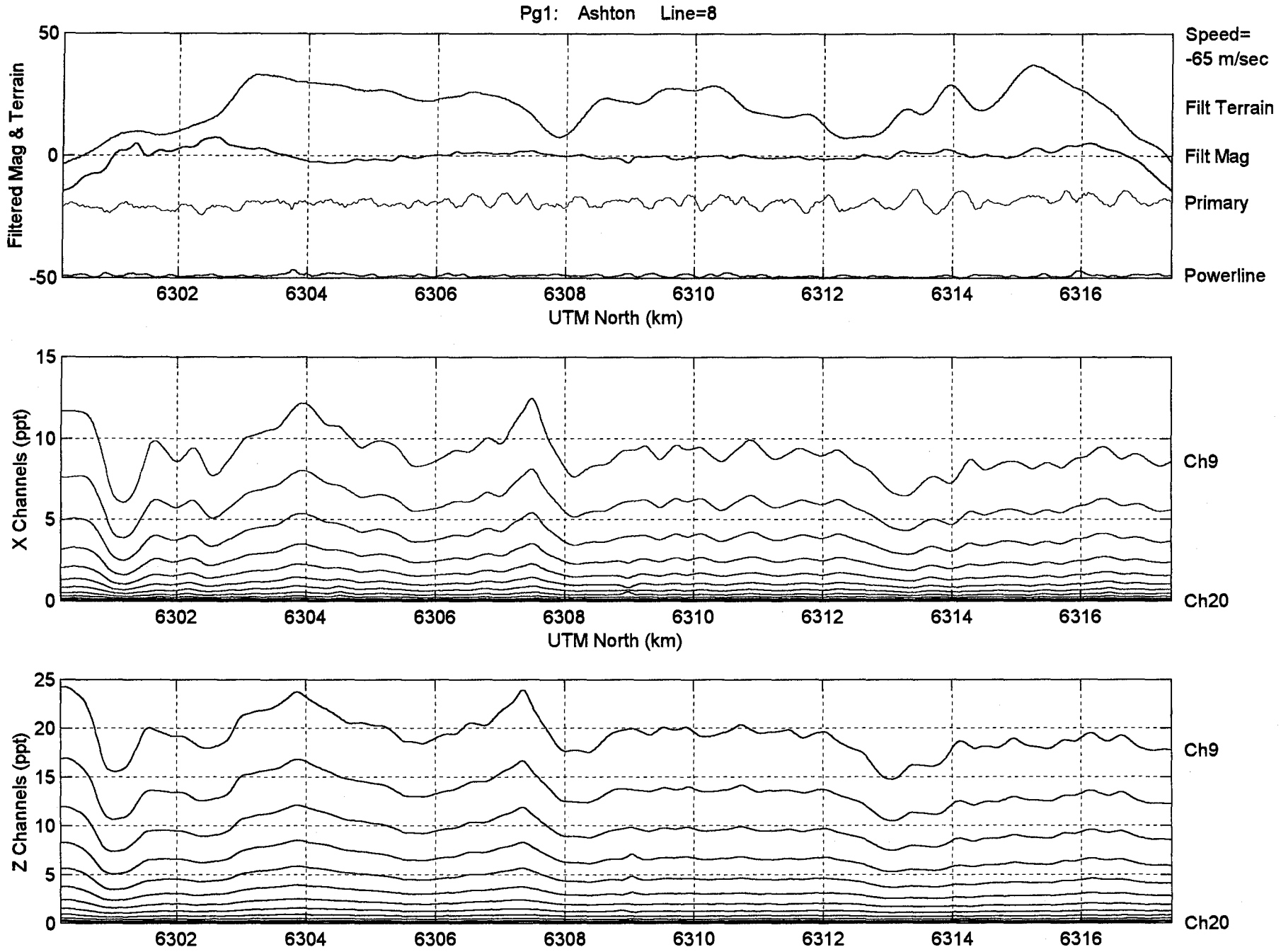

Pg1: Geoterrex Ashton Line=3
Filtered Mag & Terrain
50
0
-50
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Speed=
69 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
40
30
20
10
0

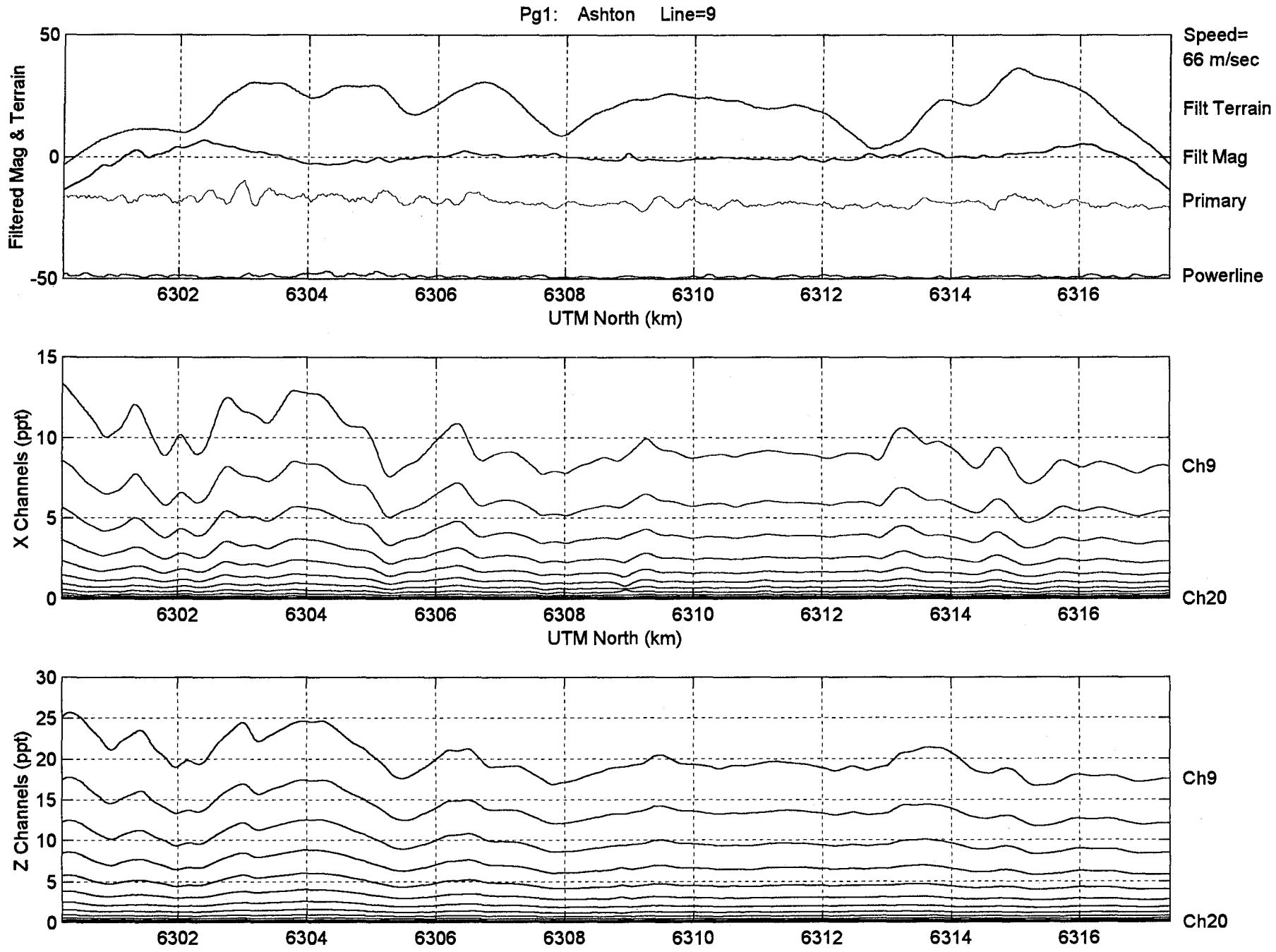

Pg1: Geoterrex Ashton Line=4
Speed=
-59 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
Filtered Mag & Terrain
50
0
-50
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20

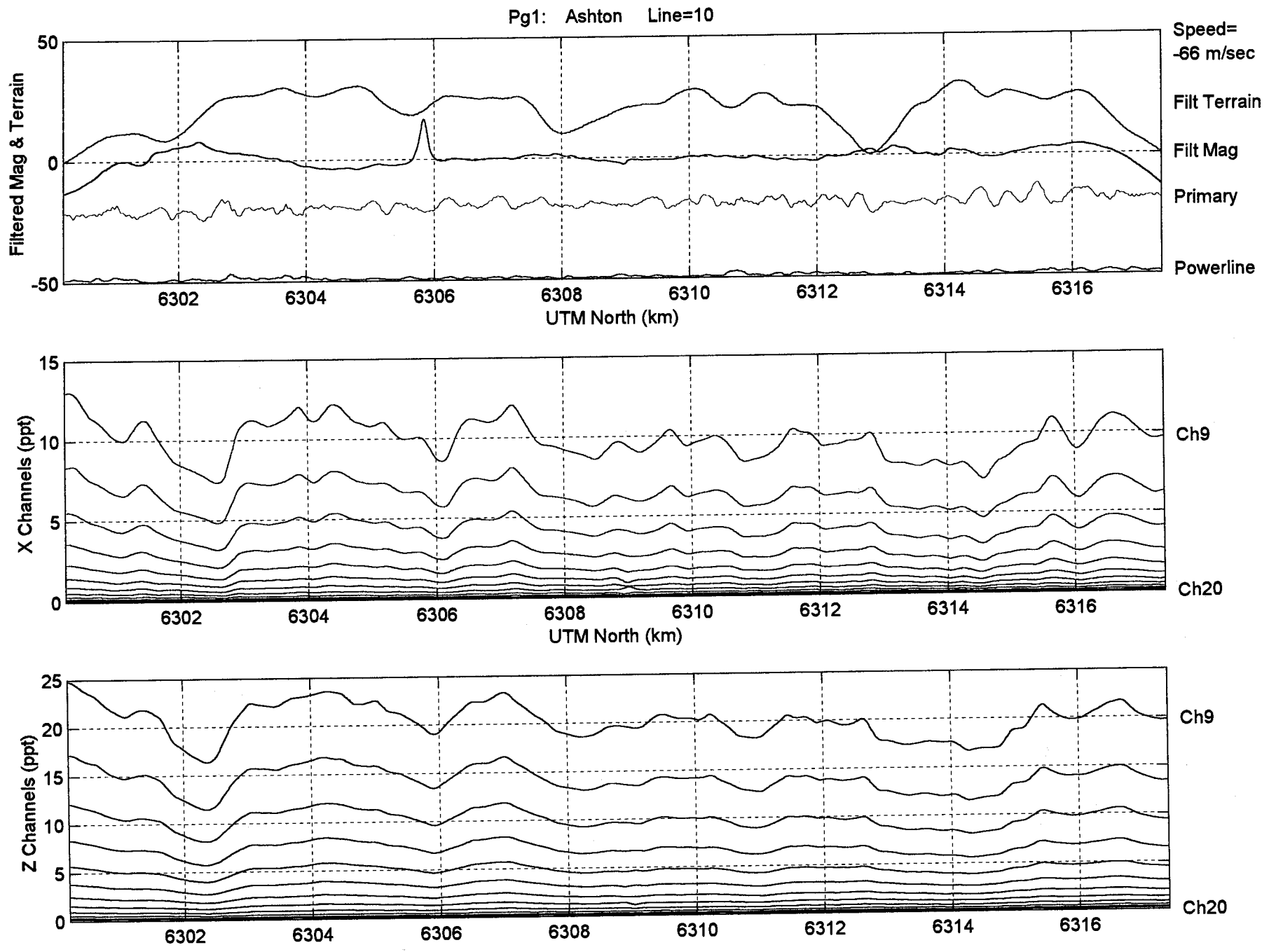

Pg1: Geoterrex Ashton Line=5
Speed= 67 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
Filtered Mag & Terrain
50
0
-50
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
K4

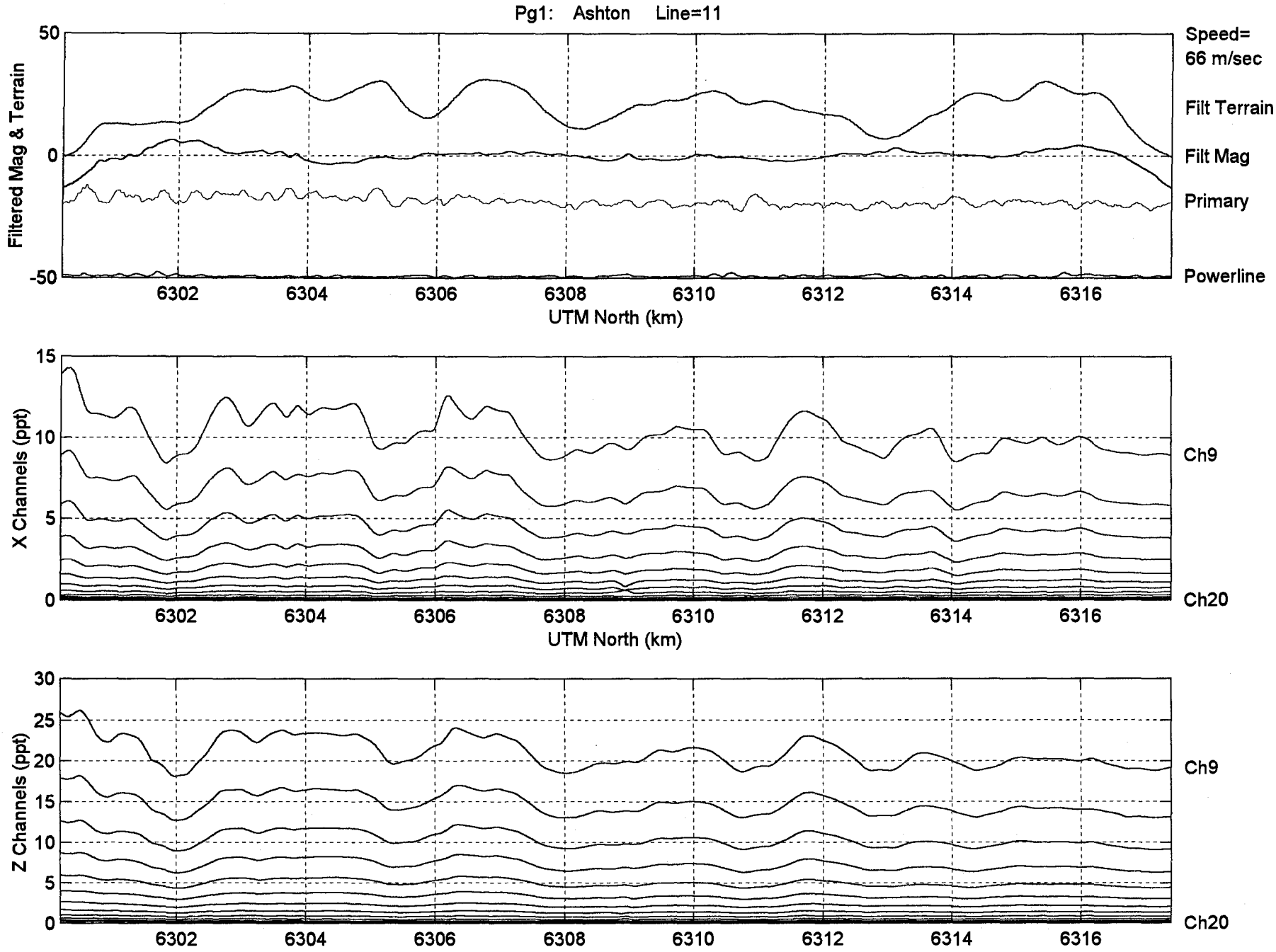

Pg1: Geoterrex Ashton Line=6
Filtered Mag & Terrain
50
0
-50
Speed=
-60 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Z Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
K4

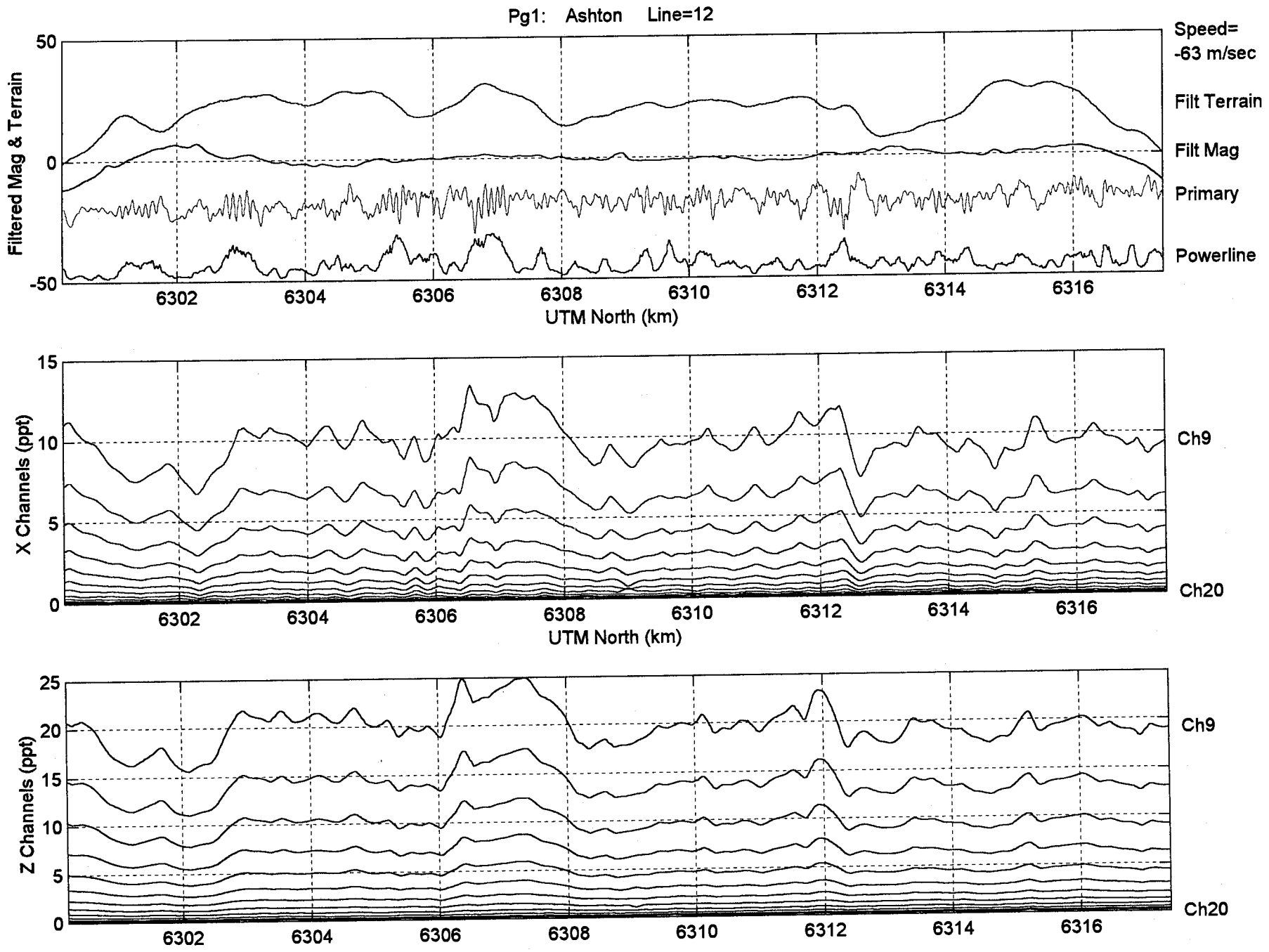

Pg1: Ashton Line=7
Filtered Mag & Terrain
50
0
-50
Speed=
67 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Z Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
K4

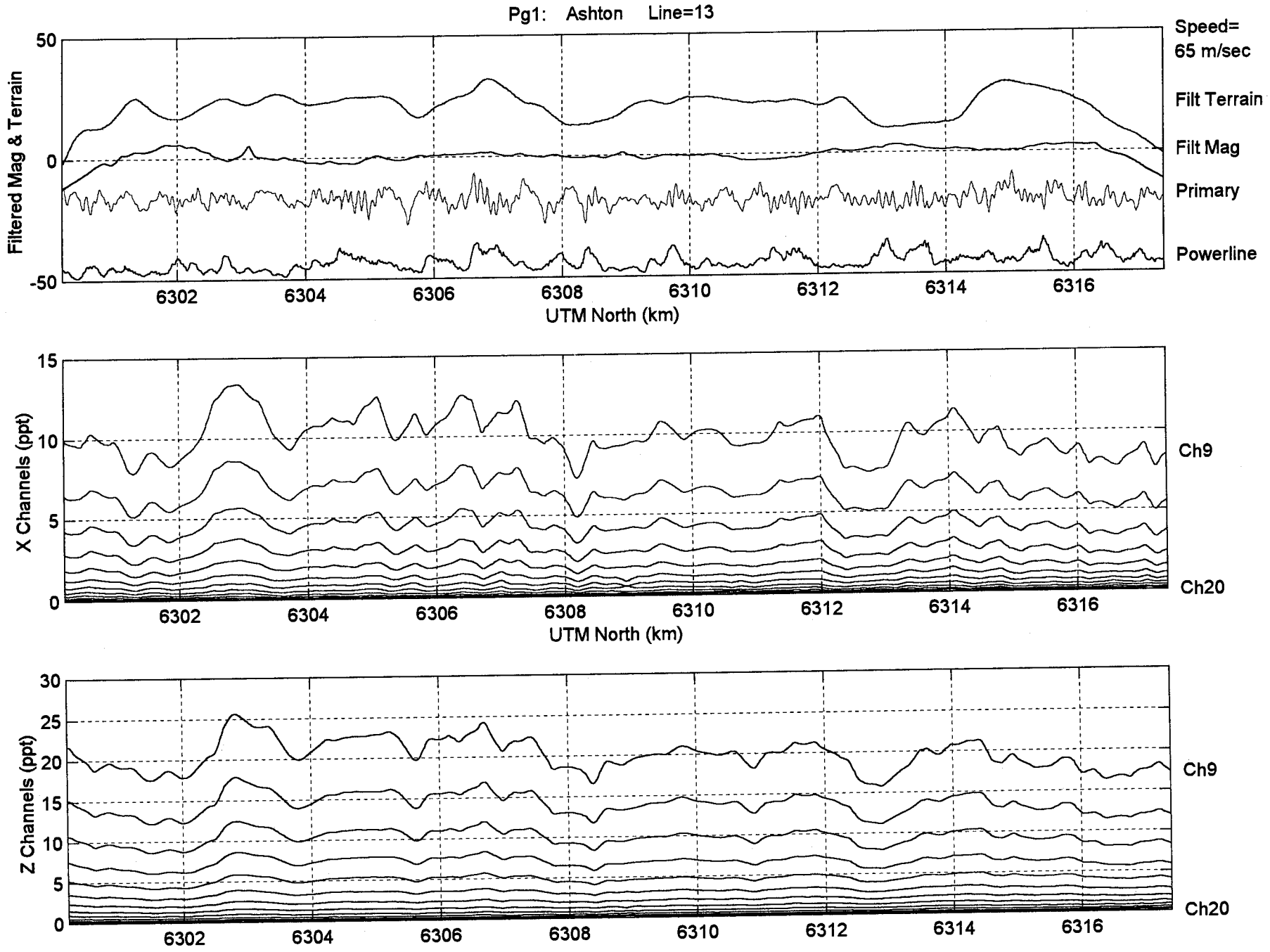

Pg1: Ashton Line=8
Filtered Mag & Terrain
50
0
-50
Speed=
-65 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Z Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316

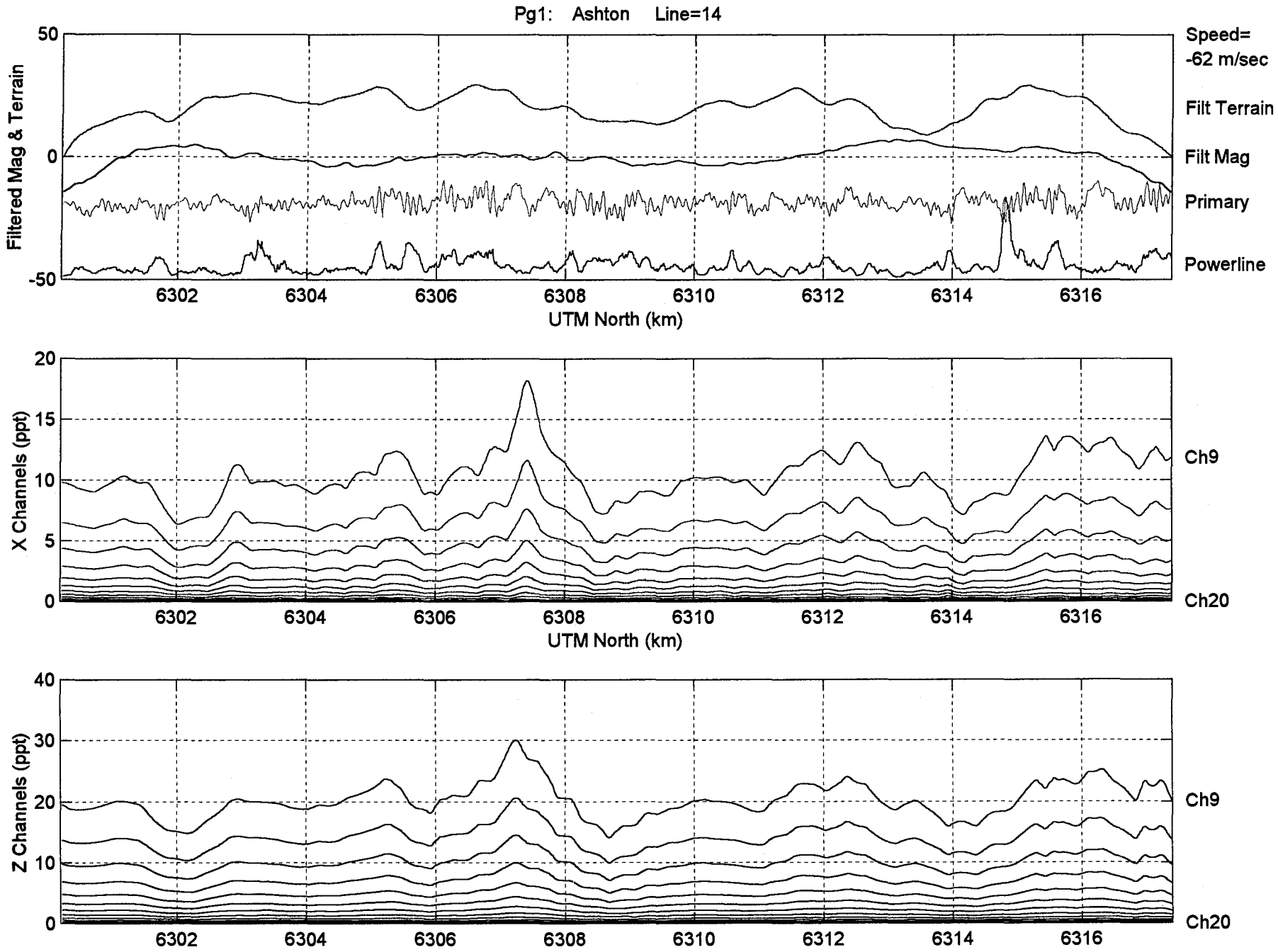

Pg1: Ashton Line=9
Filtered Mag & Terrain
50
0
-50
Speed=
66 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Z Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316

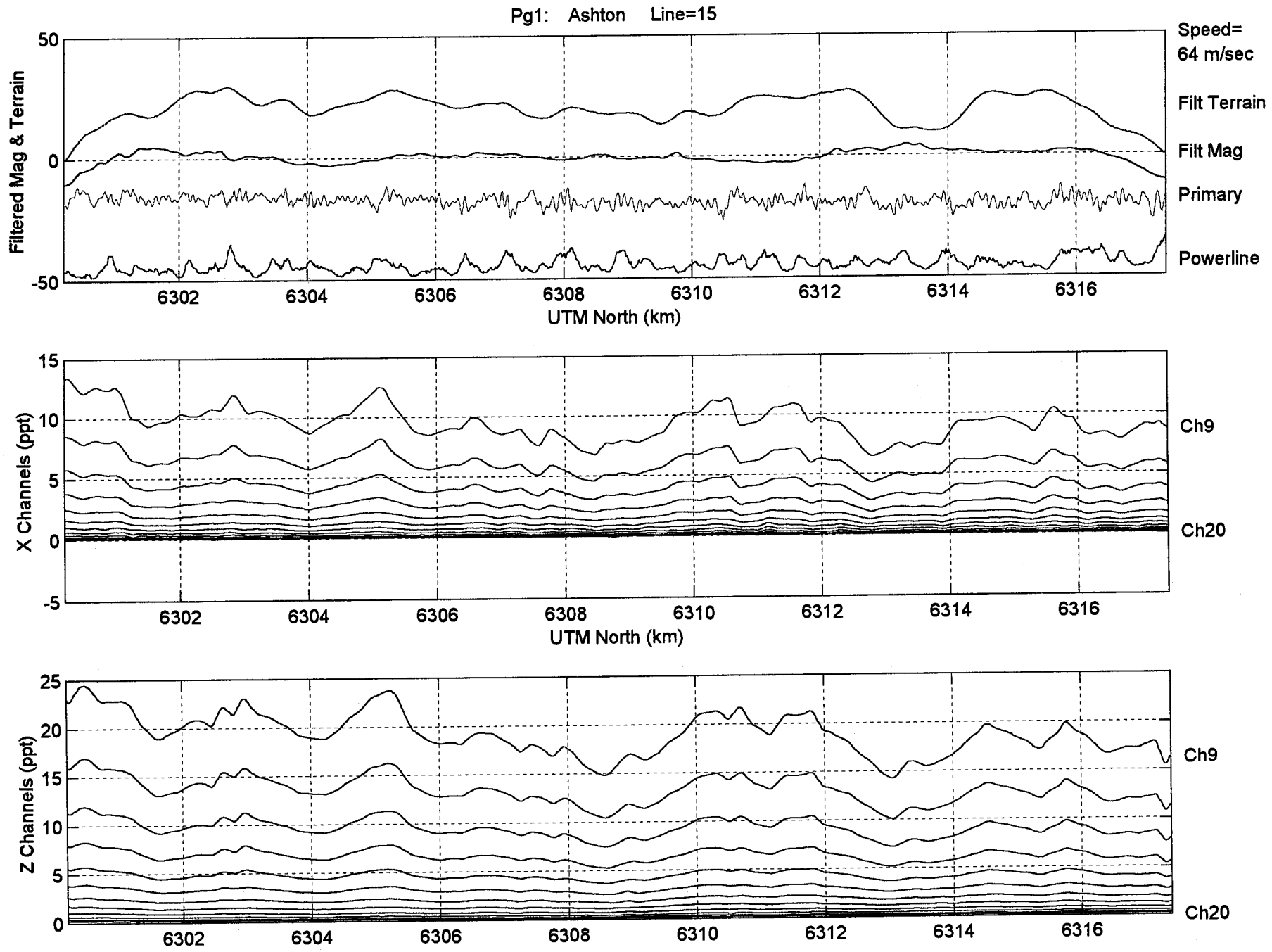

Pg1: Ashton Line=10
Filtered Mag & Terrain
50
0
-50
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Speed=
-66 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
25
20
15
10
5
0

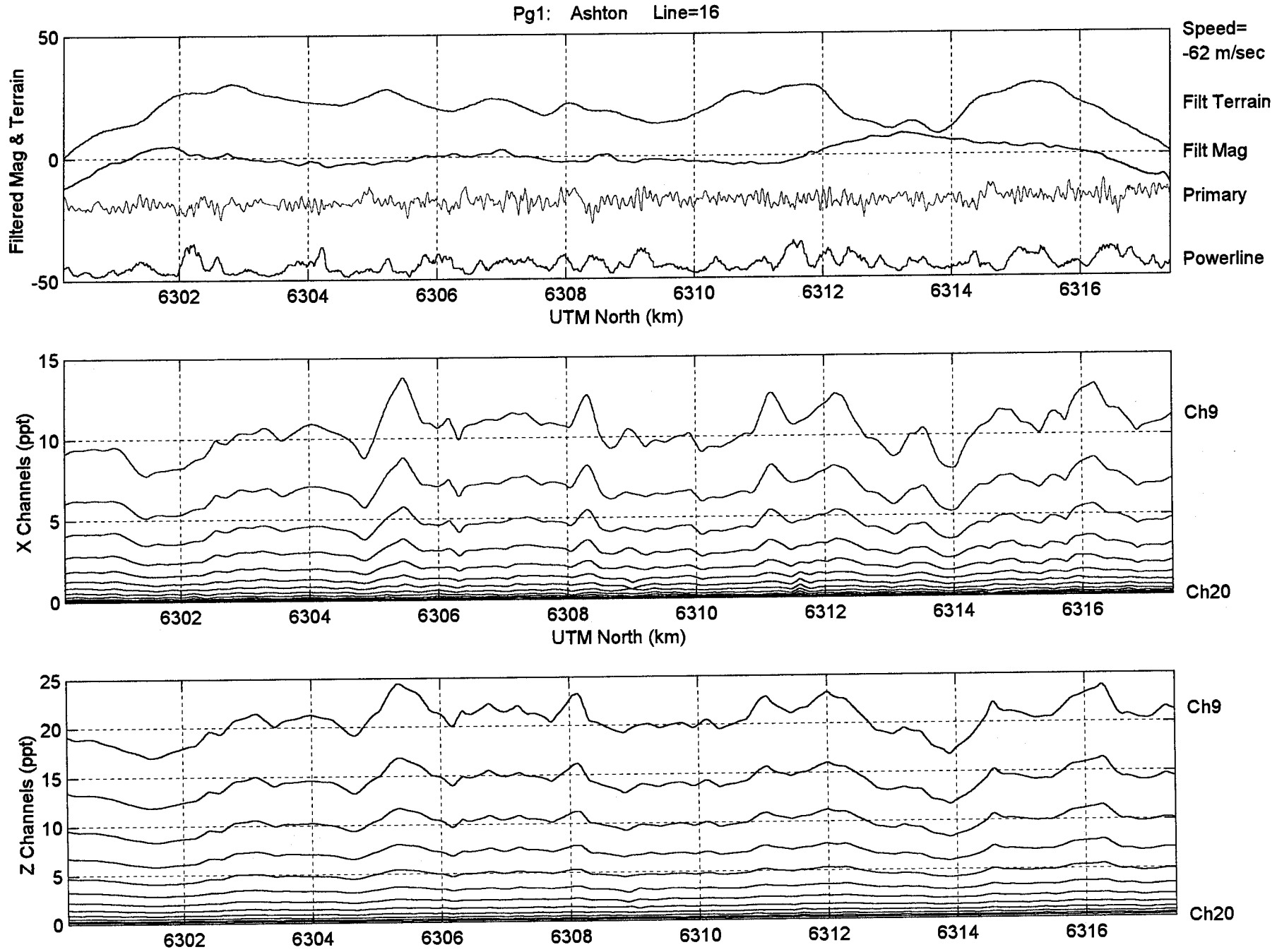

Pg1: Ashton Line=11
Filtered Mag & Terrain
50
0
-50
Speed=
66 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Z Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316

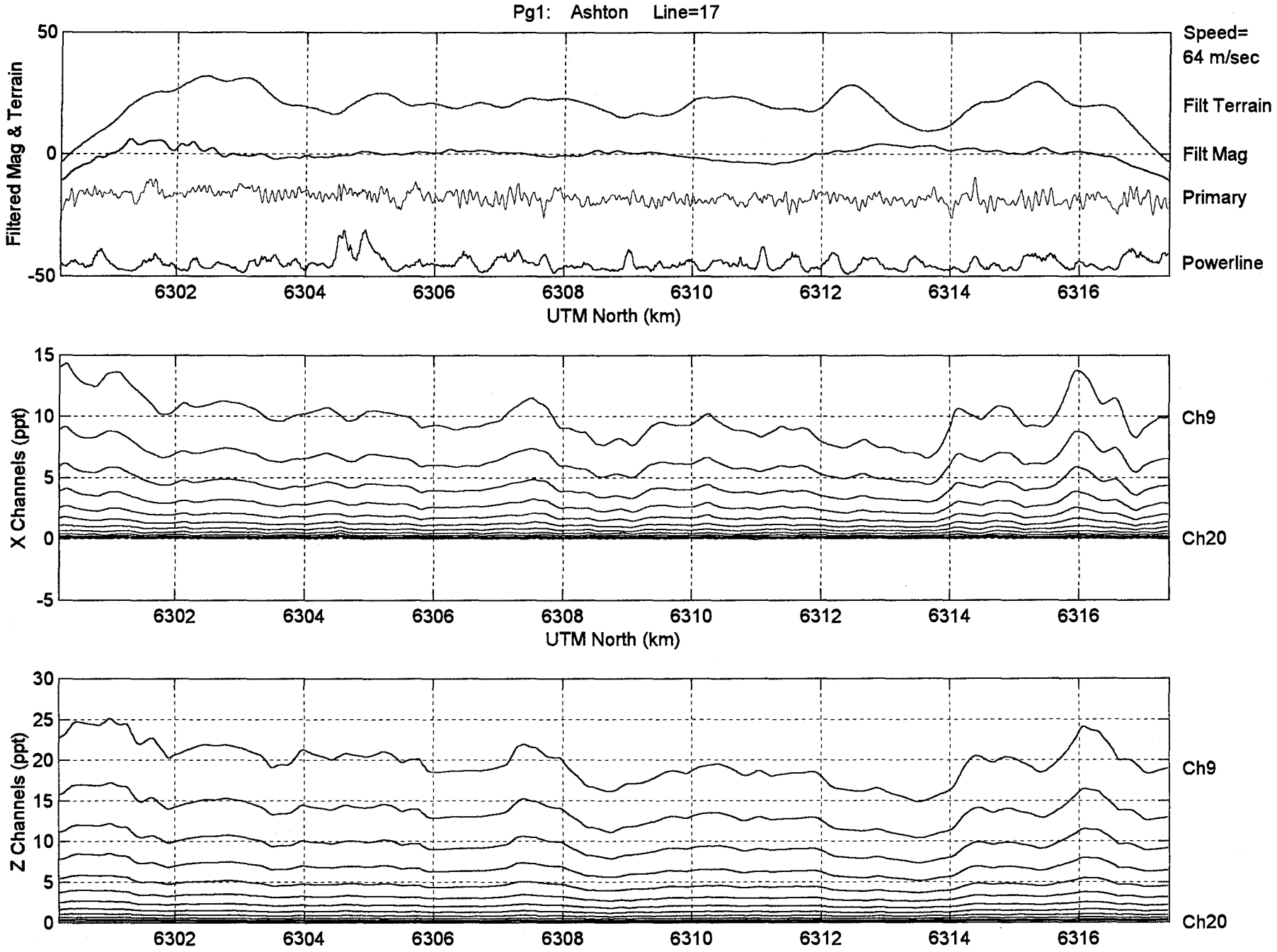

Pg1: Ashton Line=12
Filtered Mag & Terrain
50
0
-50
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Speed=
-63 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
25
20
15
10
5
0

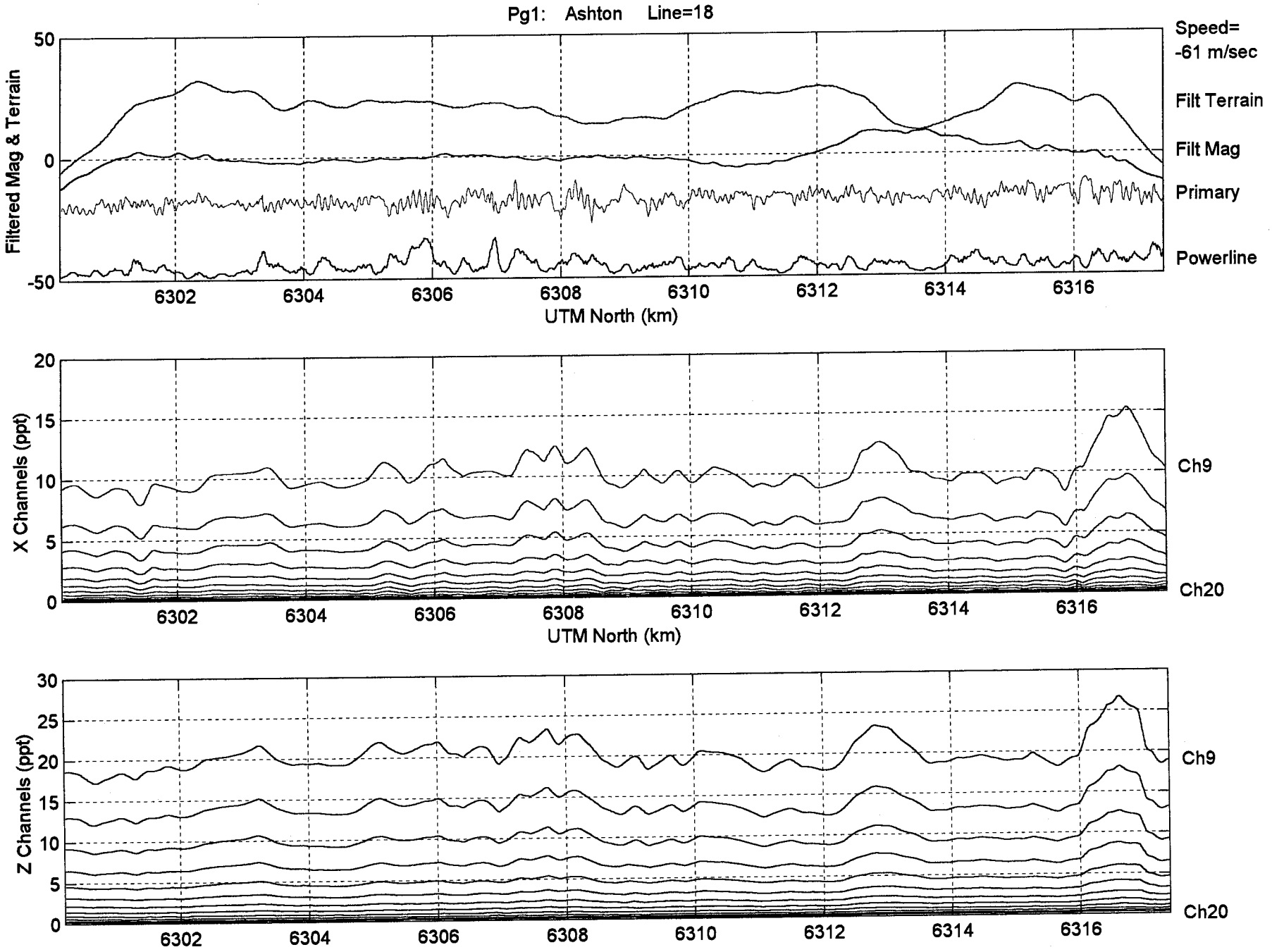

Pg1: Ashton Line=13
Speed=
65 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
Filtered Mag & Terrain
50
0
-50
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20

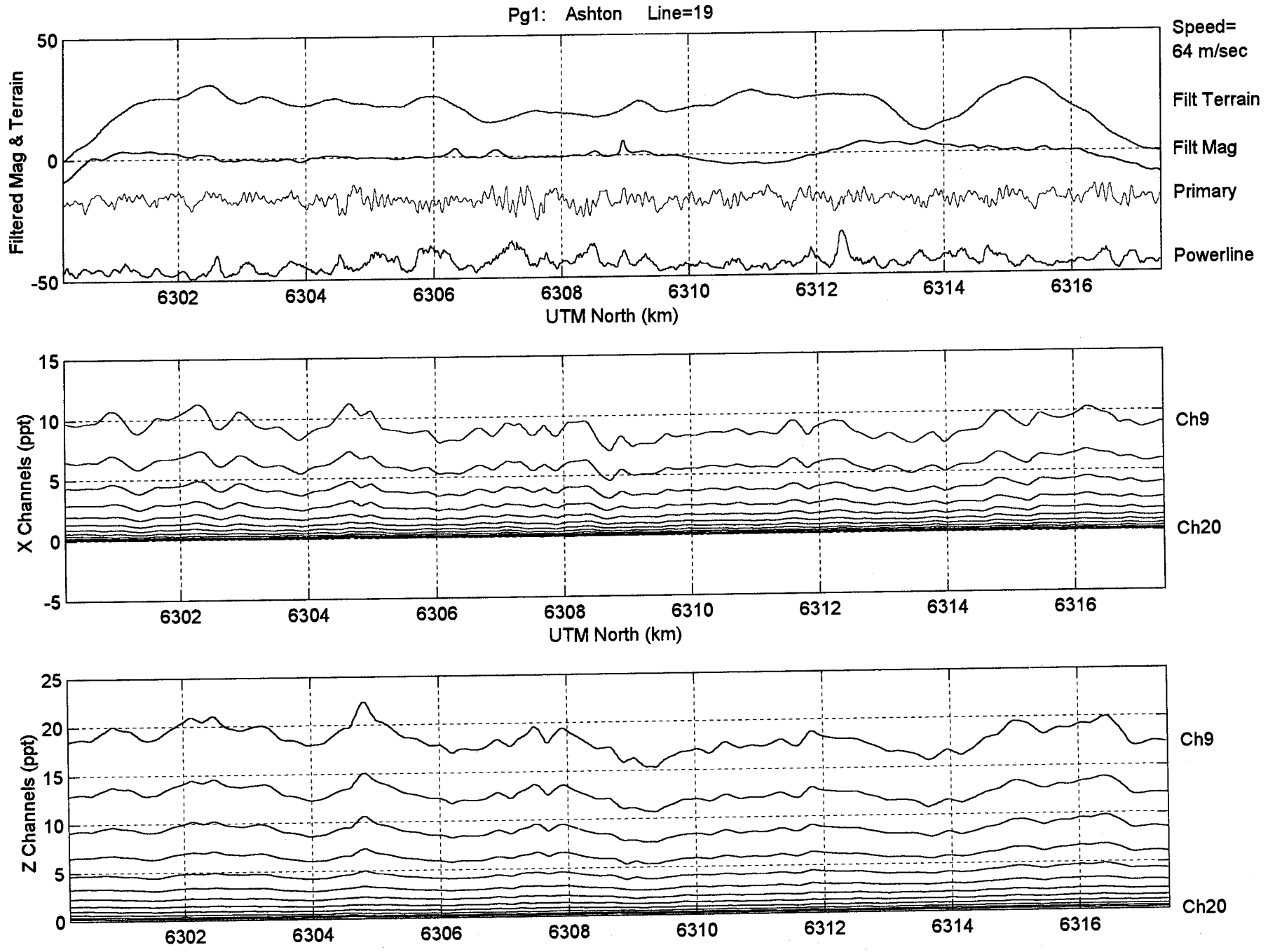

Pg1: Ashton Line=14
Filtered Mag & Terrain
50
0
-50
Speed=
-62 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316

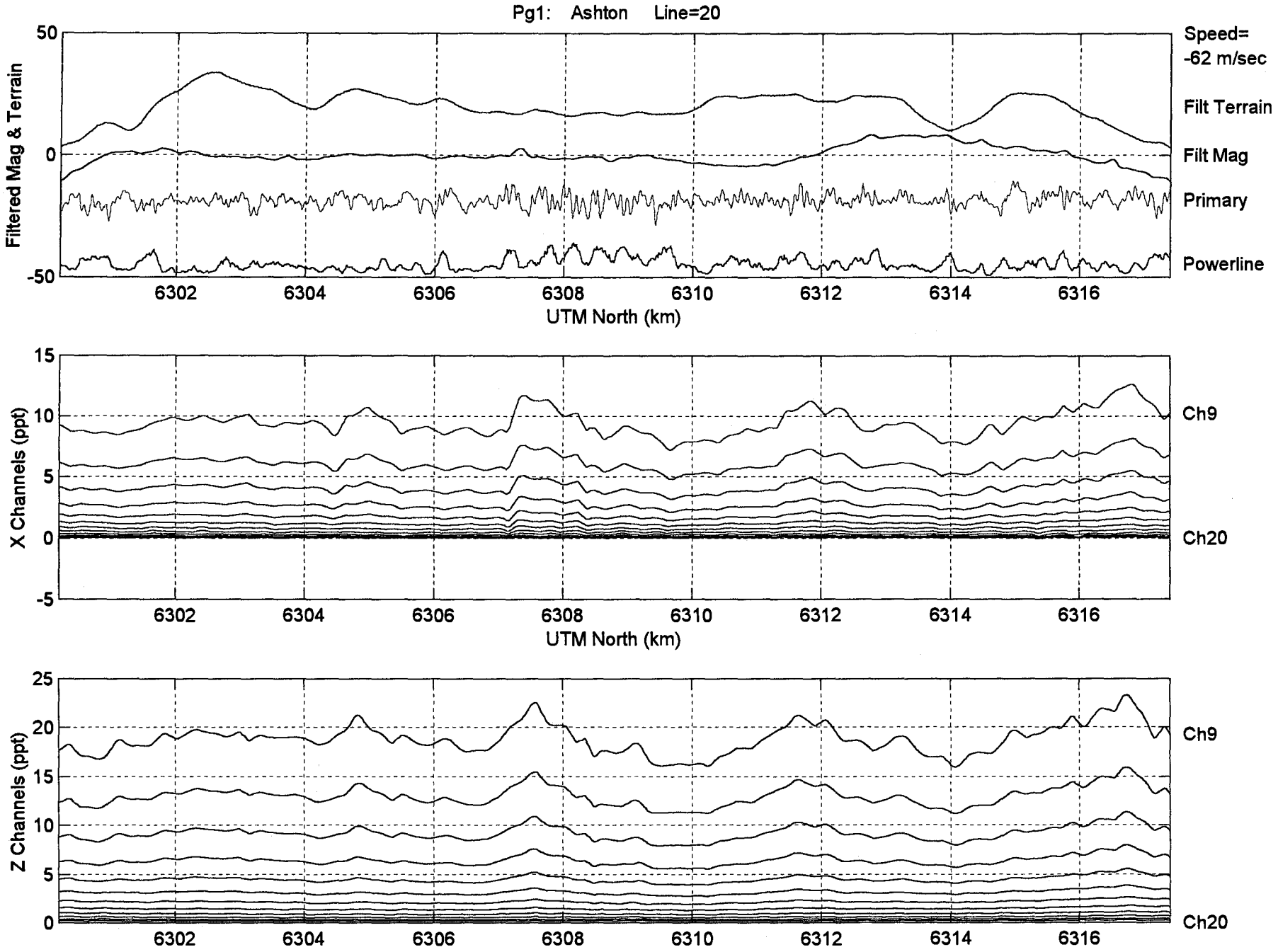

Pg1: Ashton Line=15
Speed=
64 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
Filtered Mag & Terrain
50
0
-50
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
15
10
5
0
-5
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20

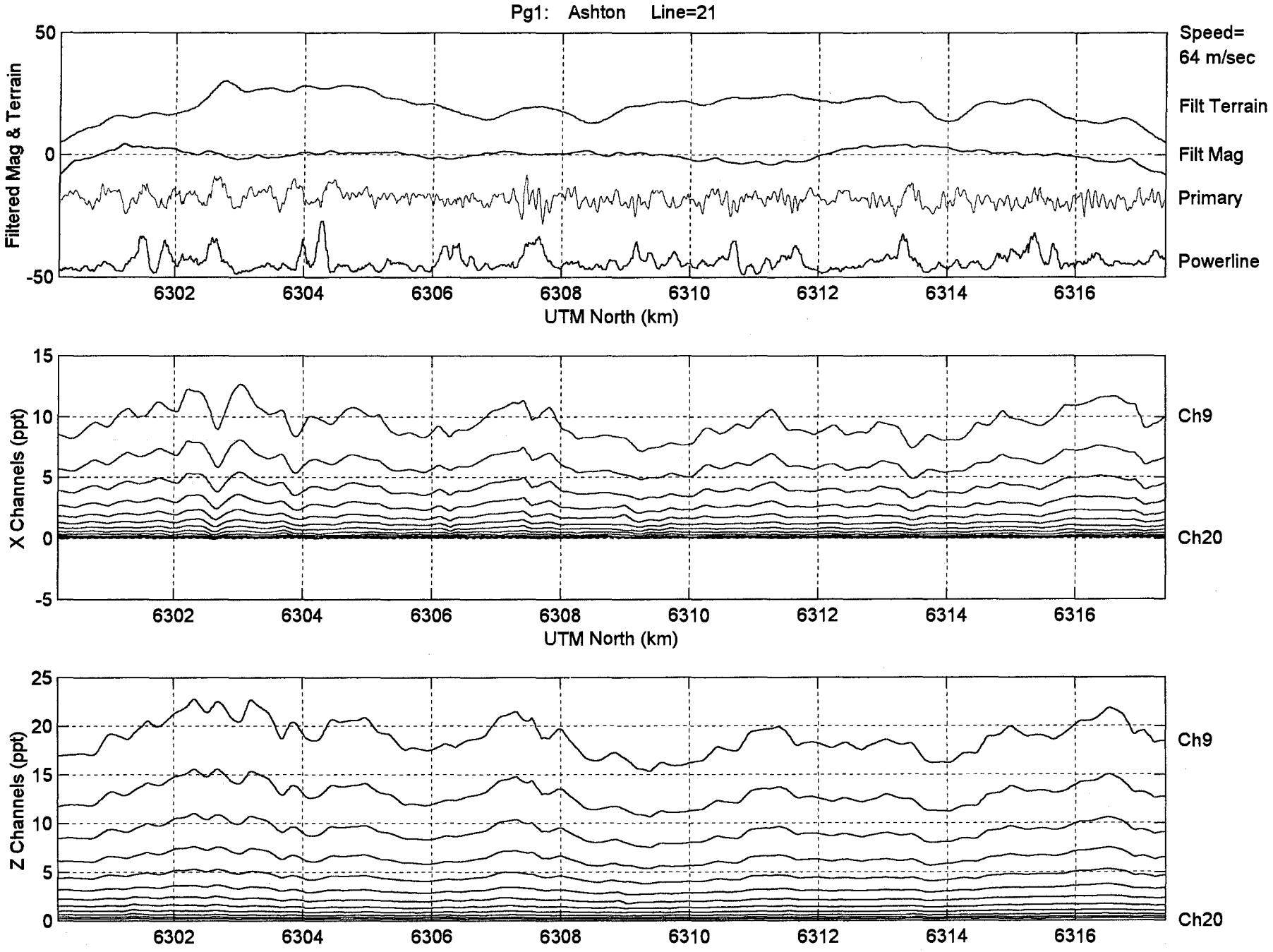

Pg1: Ashton Line=16
Filtered Mag & Terrain
50
0
-50
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Speed=
-62 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
25
20
15
10
5
0

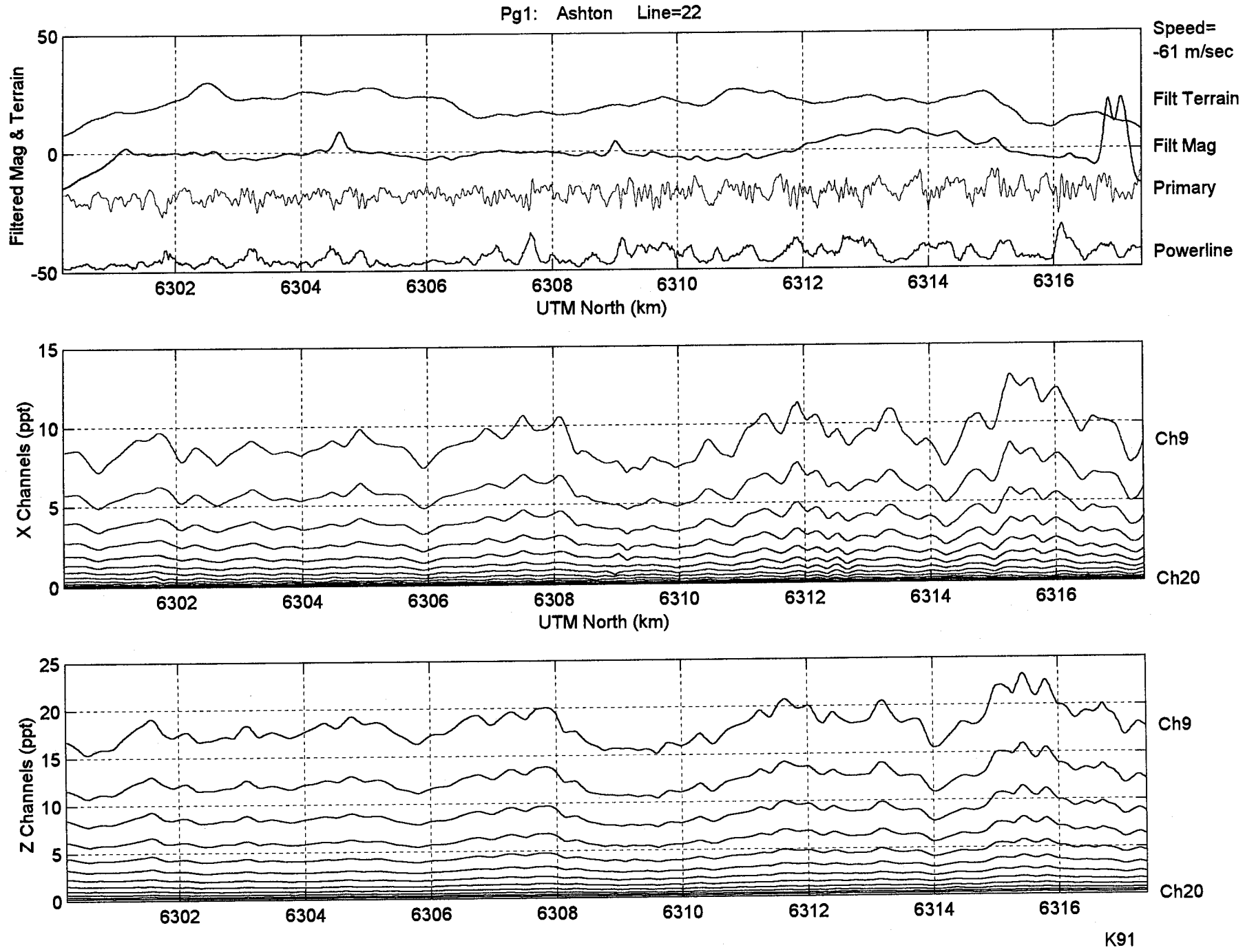

Pg1: Ashton Line=17
Filtered Mag & Terrain
50
0
-50
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Speed=
64 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
15
10
5
0
-5
Ch9
Ch20
Z Channels (ppt)
30
25
20
15
10
5
0

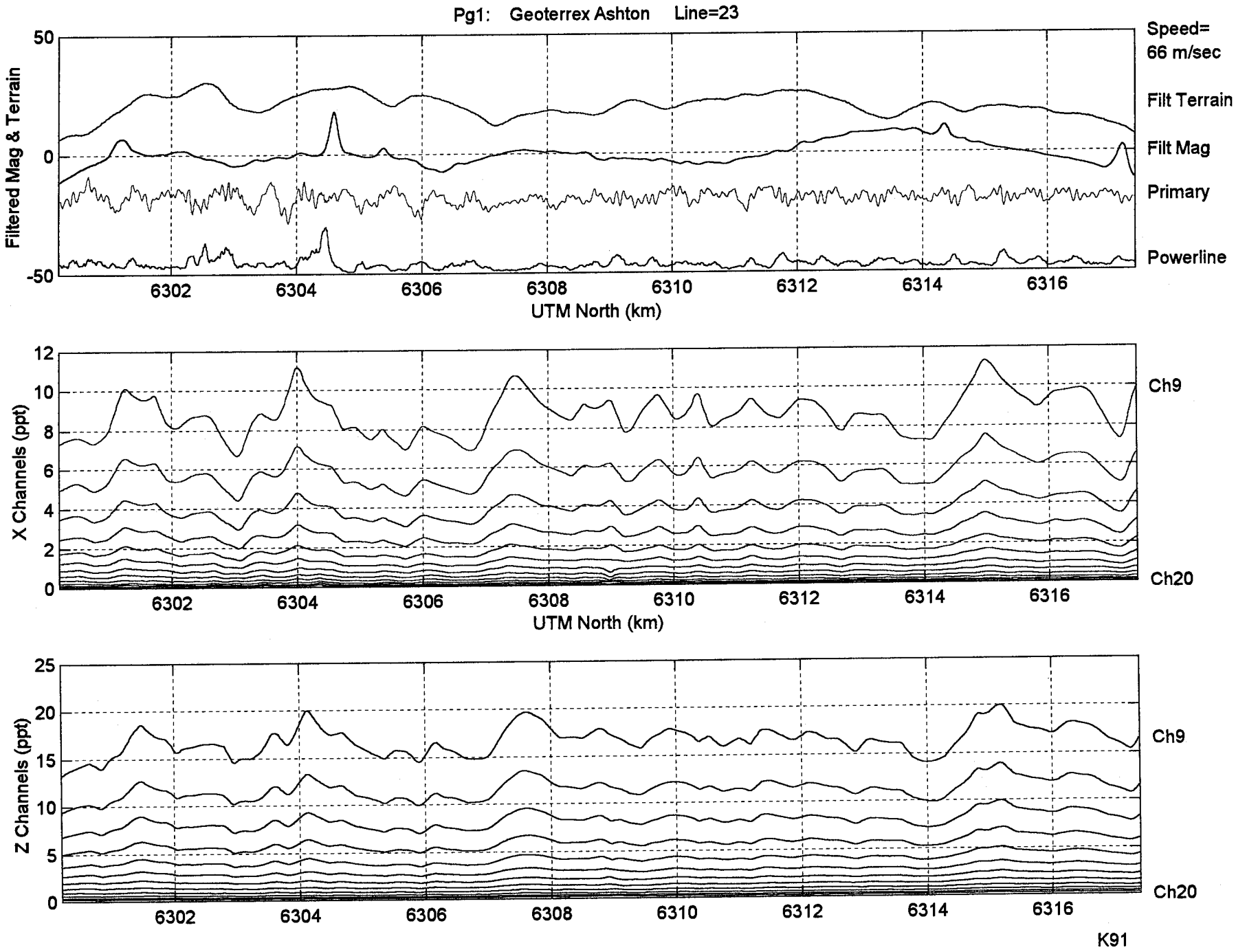

Pg1: Ashton Line=18
Filtered Mag & Terrain
50
0
-50
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Speed=
-61 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
30
25
20
15
10
5
0

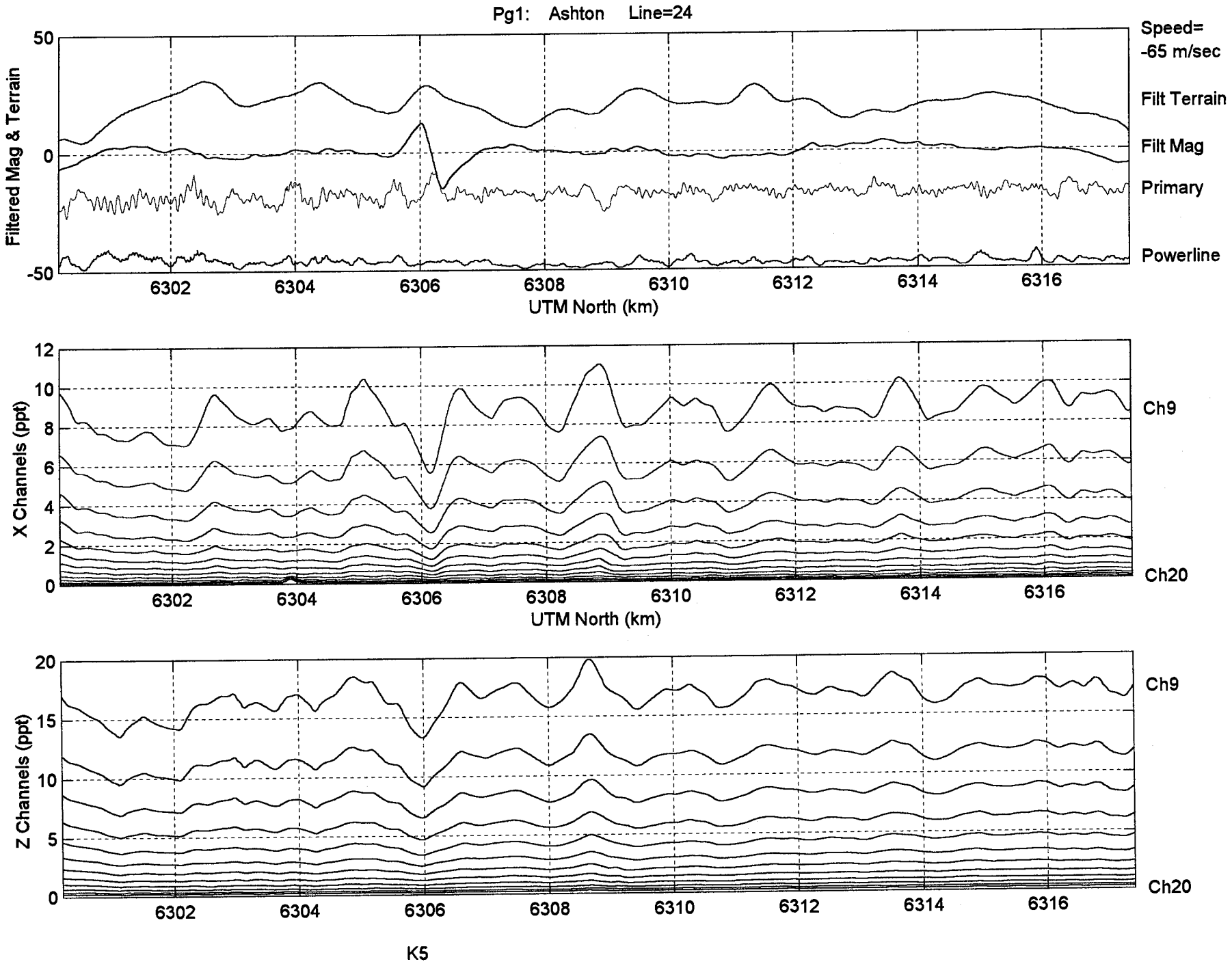

Pg1: Ashton Line=19
Speed=
64 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
Filtered Mag & Terrain
50
0
-50
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
15
10
5
0
-5
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20

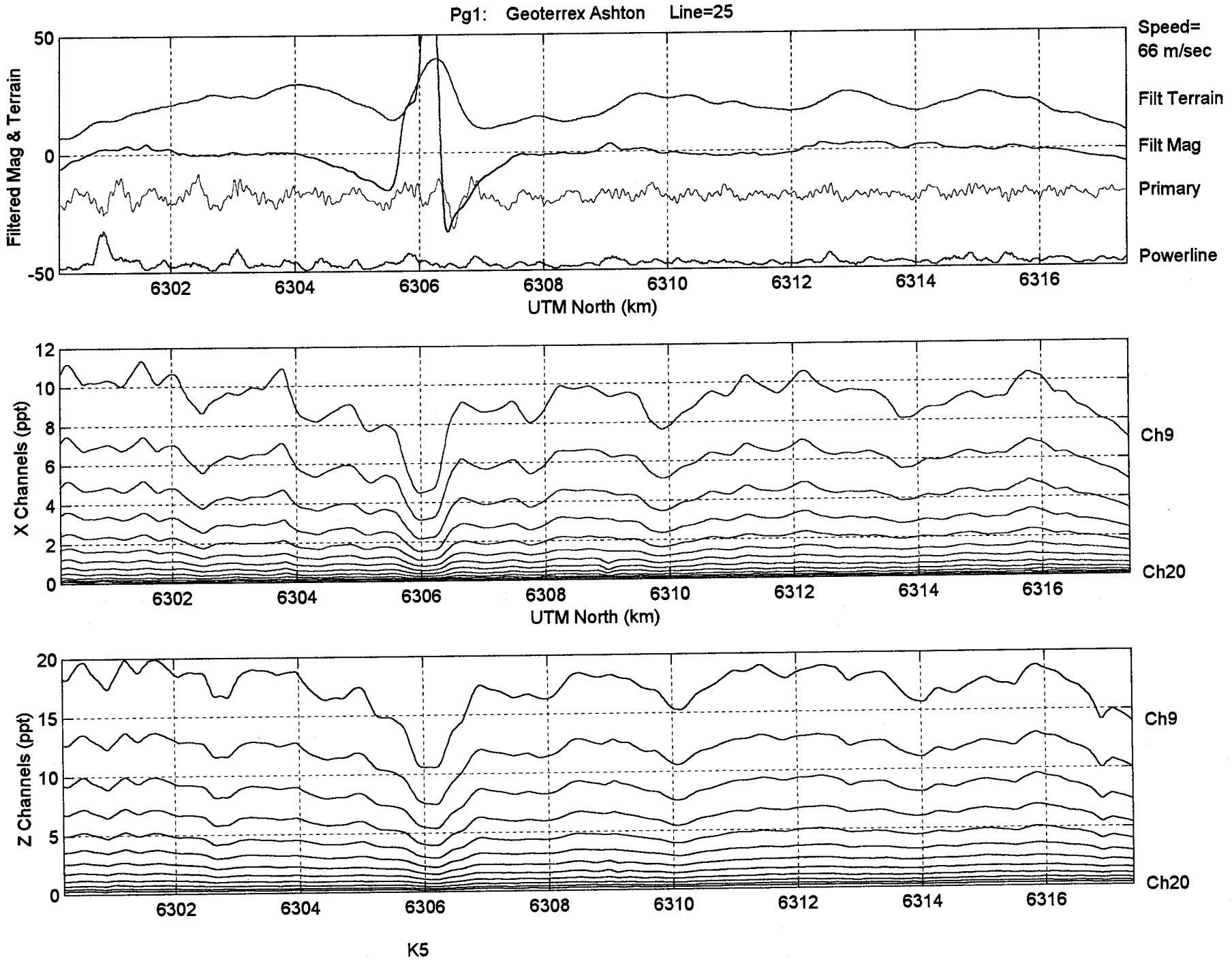

Pg1: Ashton Line=20
Filtered Mag & Terrain
50
0
-50
Speed=
-62 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
15
10
5
0
-5
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20

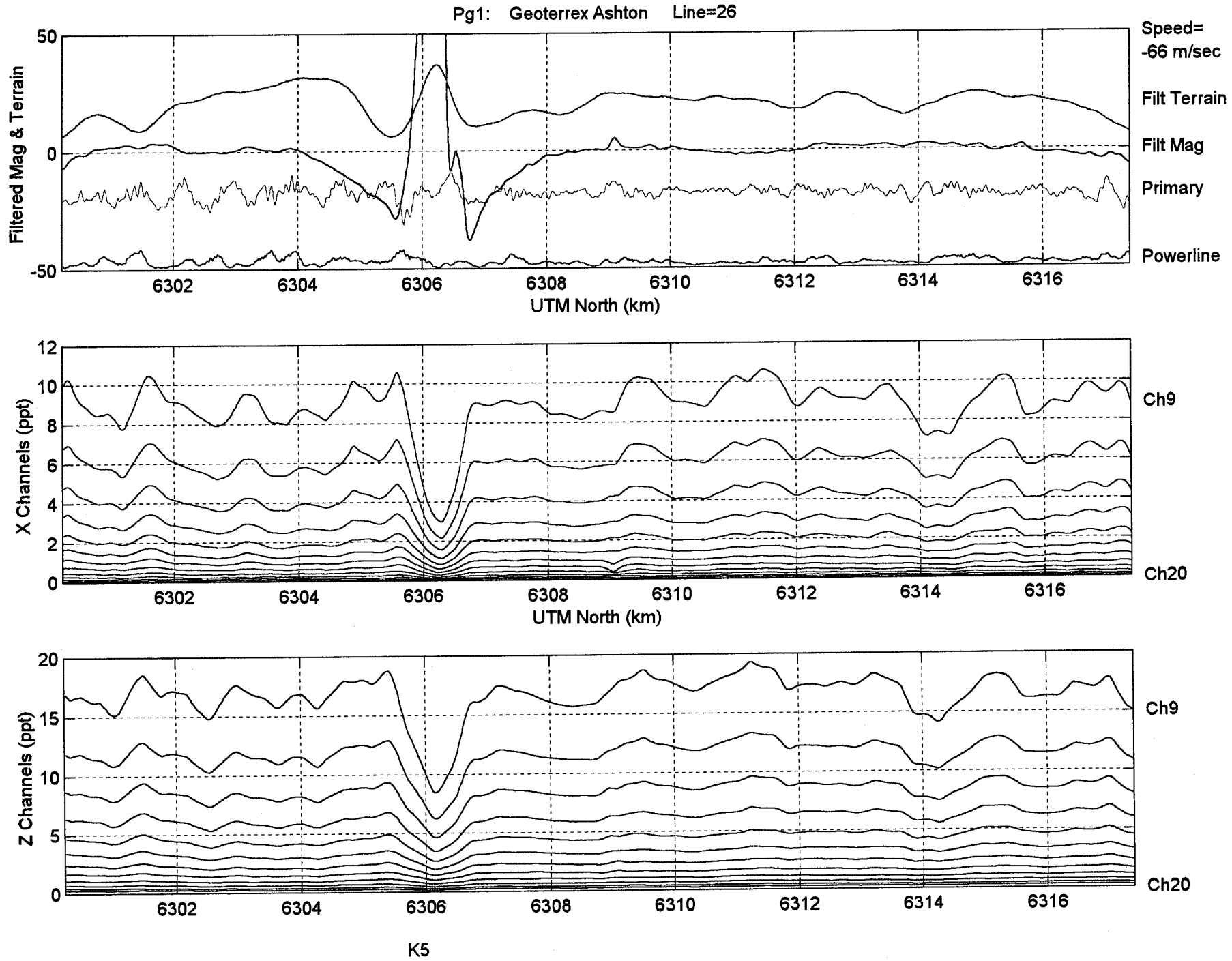

Pg1: Ashton Line=21
Filtered Mag & Terrain
50
0
-50
Speed=
64 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
15
10
5
0
-5
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Z Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316

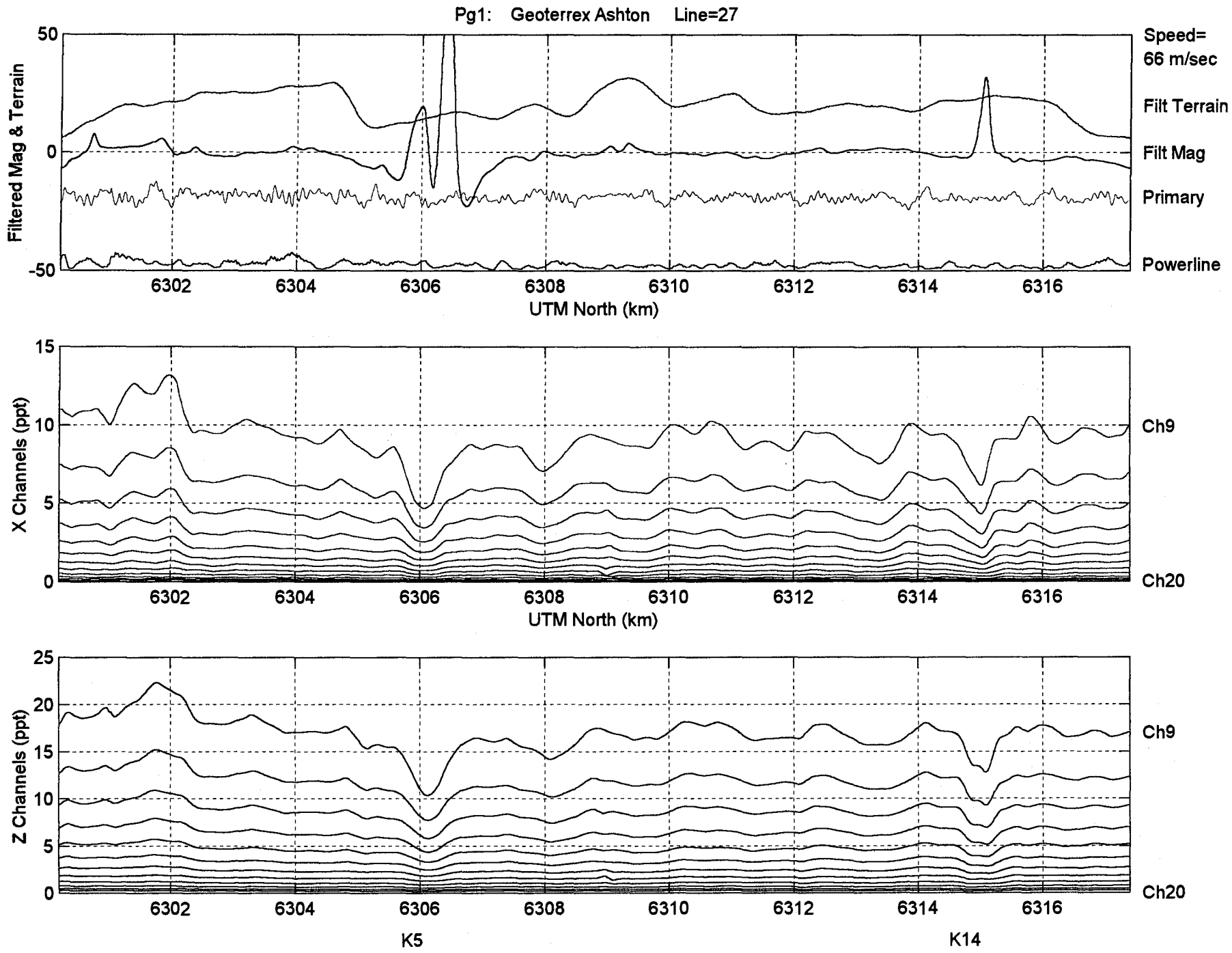

Pg1: Ashton Line=22
Filtered Mag & Terrain
50
0
-50
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Speed=
-61 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
25
20
15
10
5
0
K91

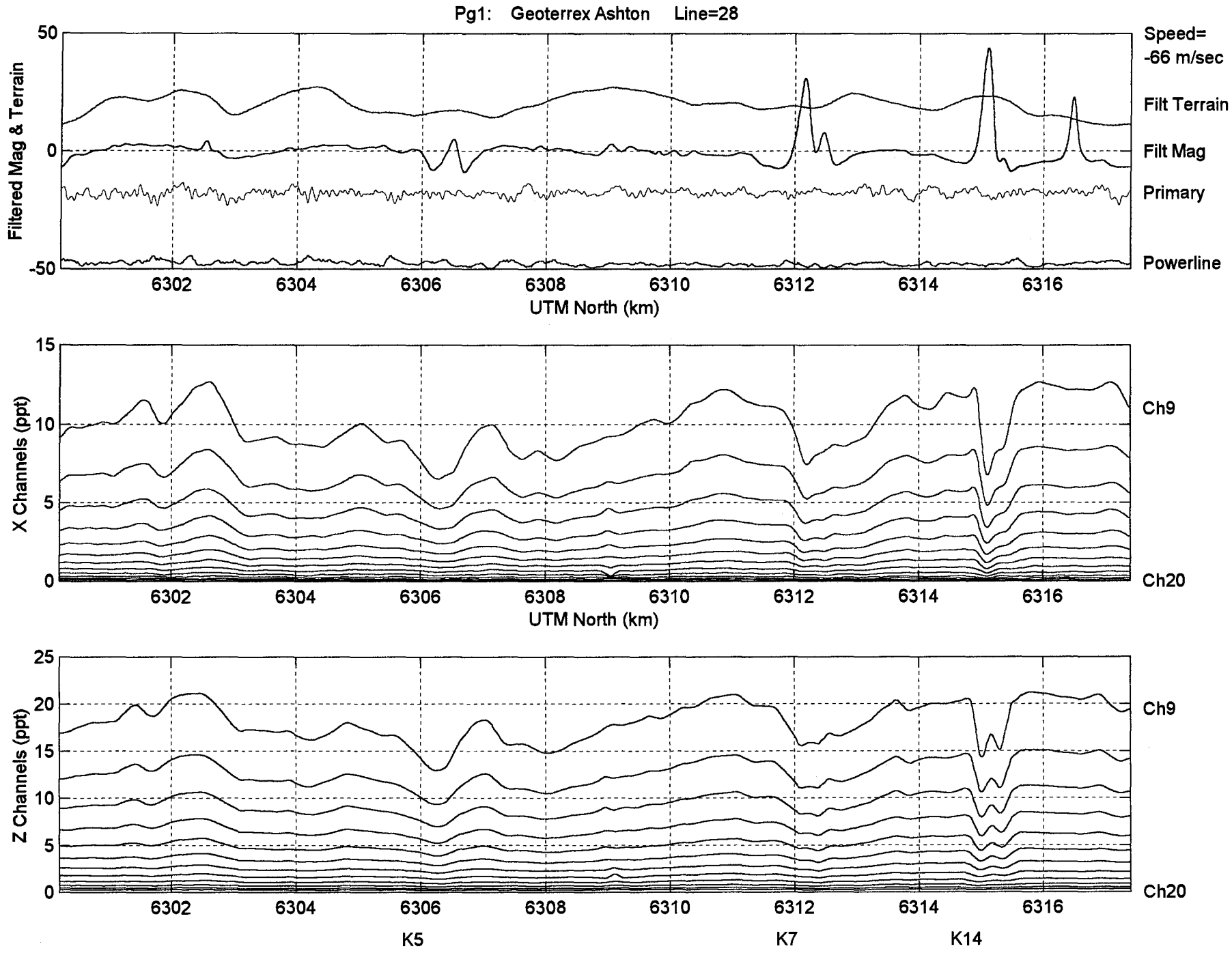

Pg1: Geoterrex Ashton Line=23
Speed=
66 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
Filtered Mag & Terrain
50
0
-50
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
12
10
8
6
4
2
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
K91

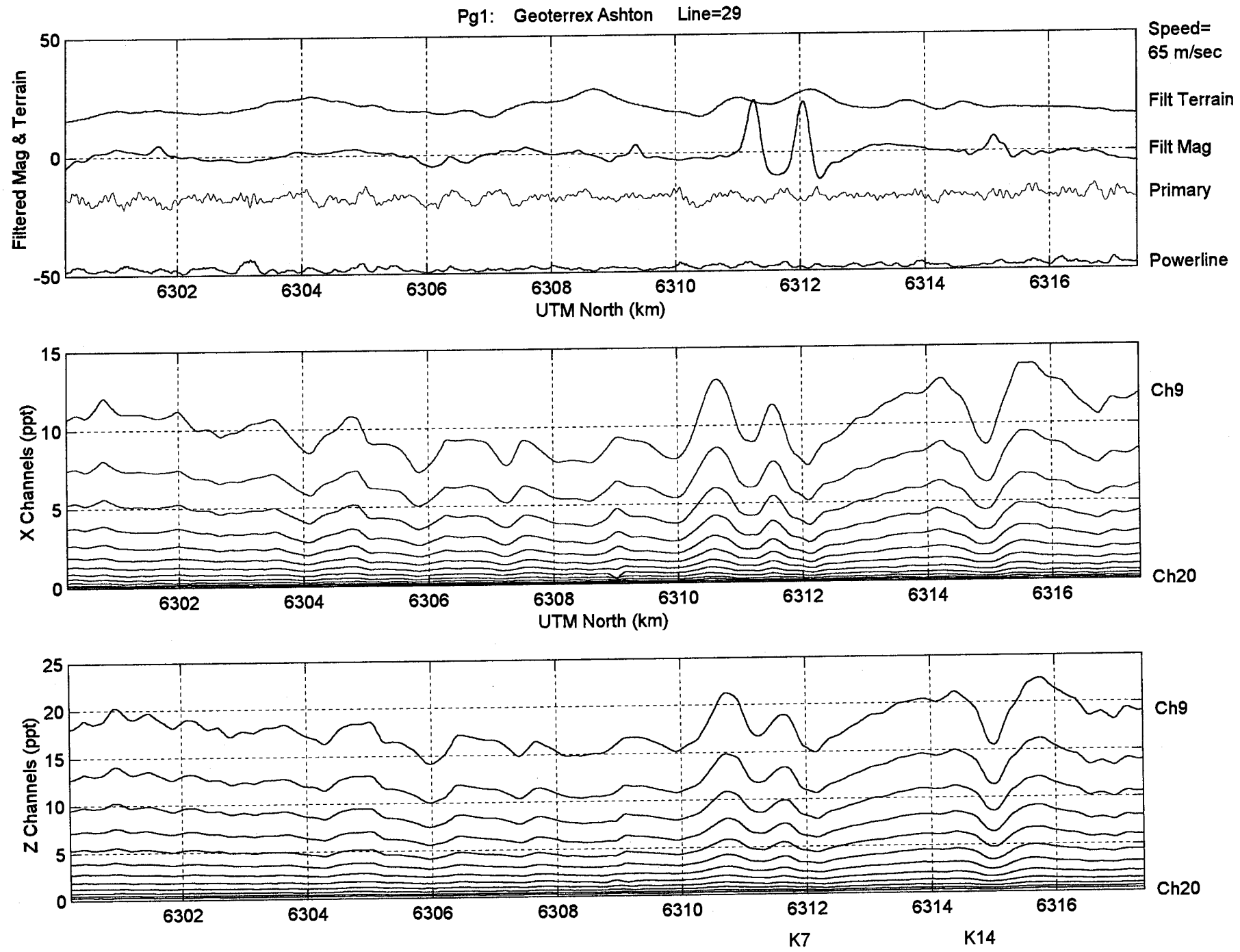

Pg1: Ashton Line=24
Speed=
-65 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
Filtered Mag & Terrain
50
0
-50
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
12
10
8
6
4
2
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
20
15
10
5
0
Ch9
Ch20
K5

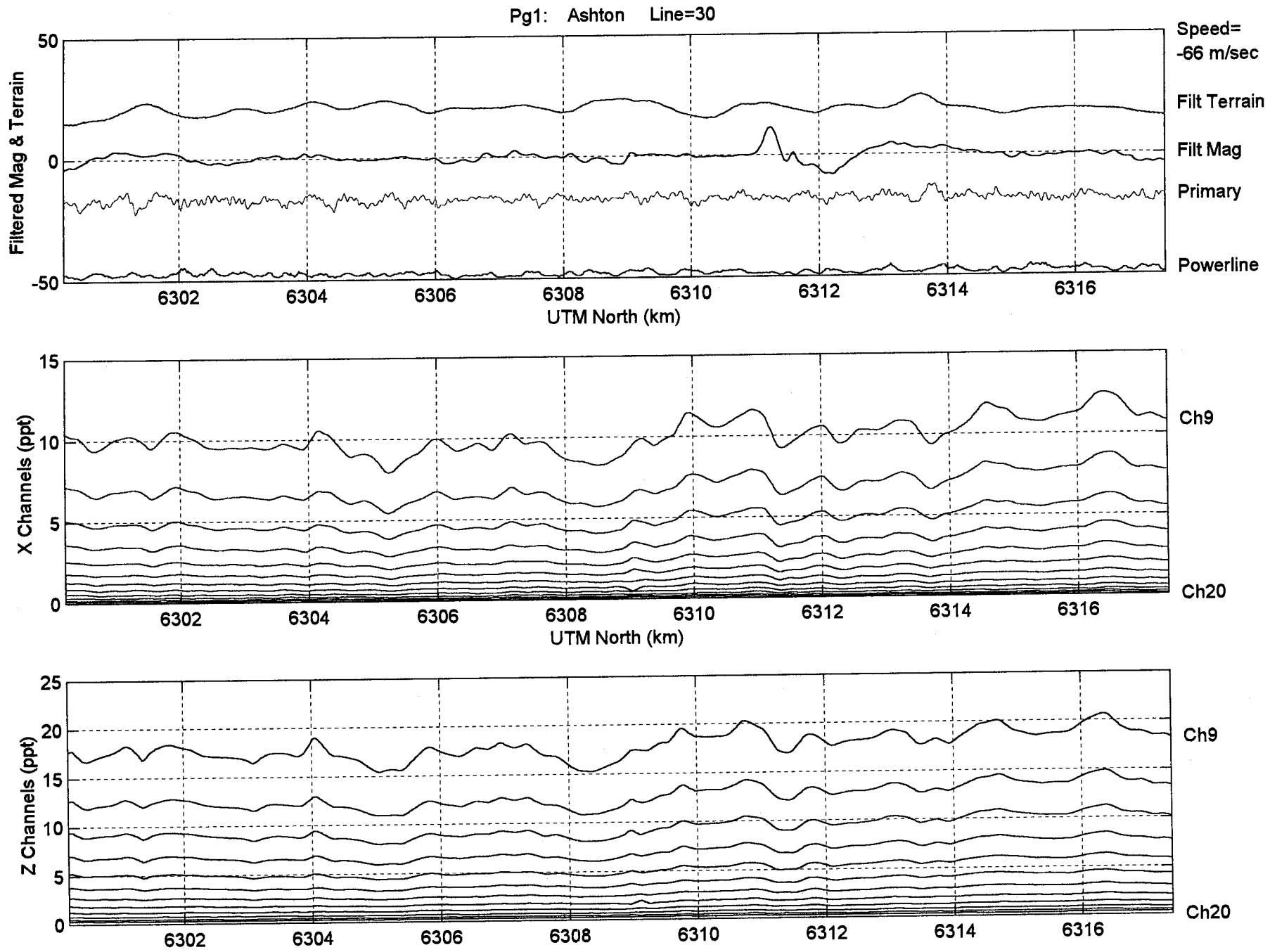

Pg1: Geoterrex Ashton Line=25
Speed=
66 m/sec
Filtered Mag & Terrain
50
0
-50
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
12
10
8
6
4
2
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Z Channels (ppt)
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
K5

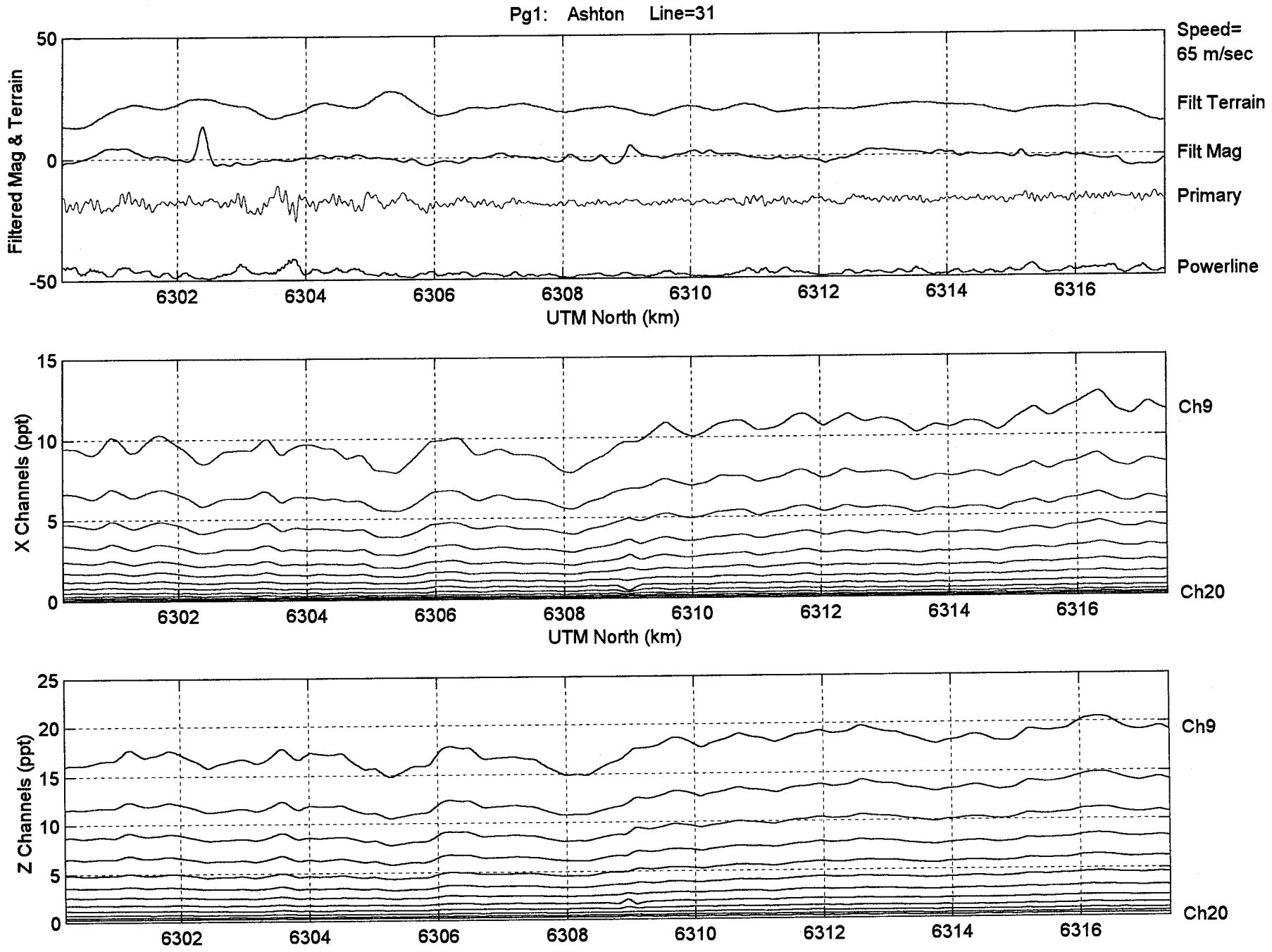

Pg1: Geoterrex Ashton Line=26
Filtered Mag & Terrain
50
0
-50
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Speed=
-66 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
12
10
8
6
4
2
0
Ch9
Ch20
Z Channels (ppt)
20
15
10
5
0

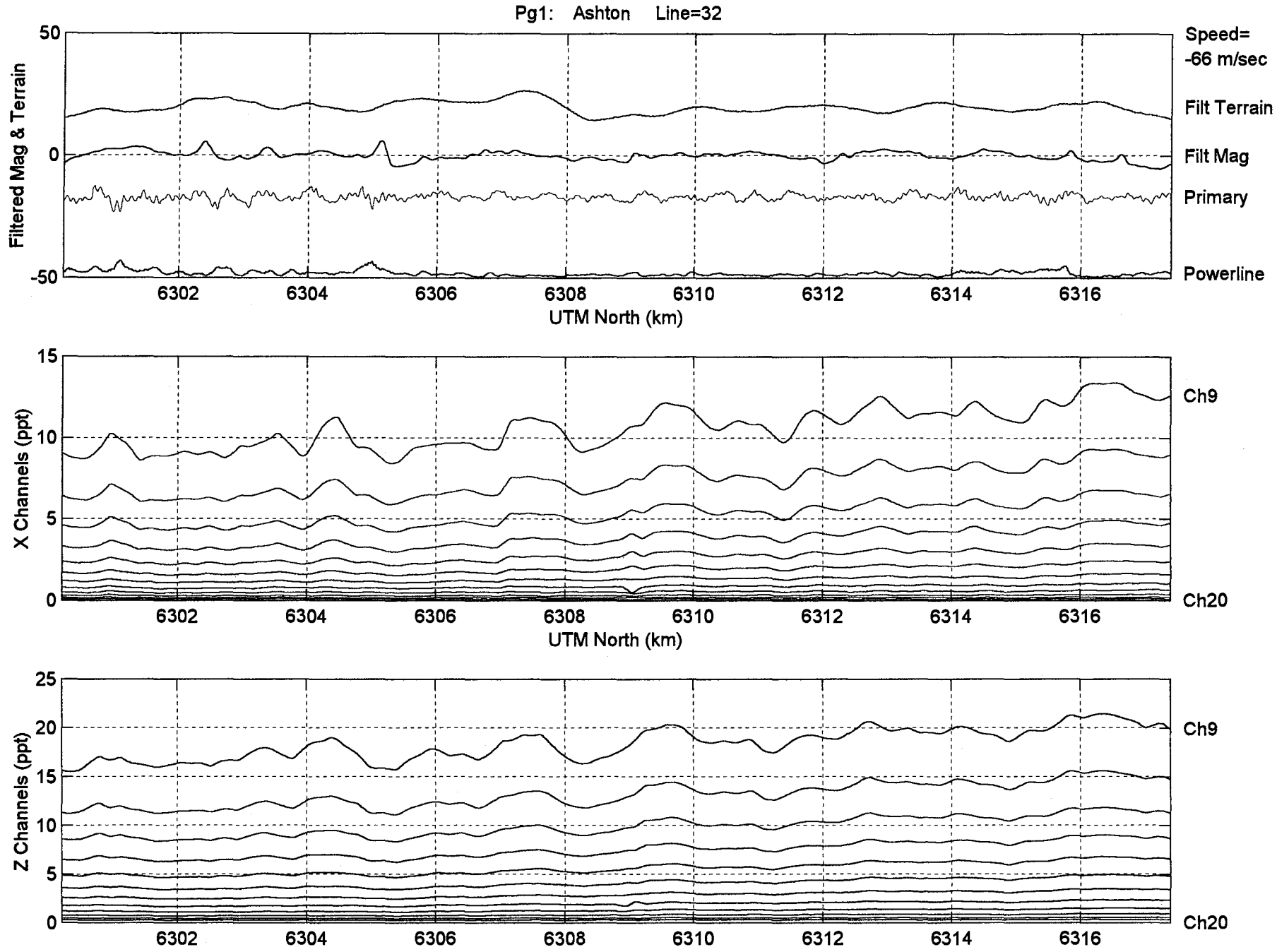

Pg1: Geoterrex Ashton Line=27
Filtered Mag & Terrain
50
0
-50
Speed=
66 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Z Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
K5
K14

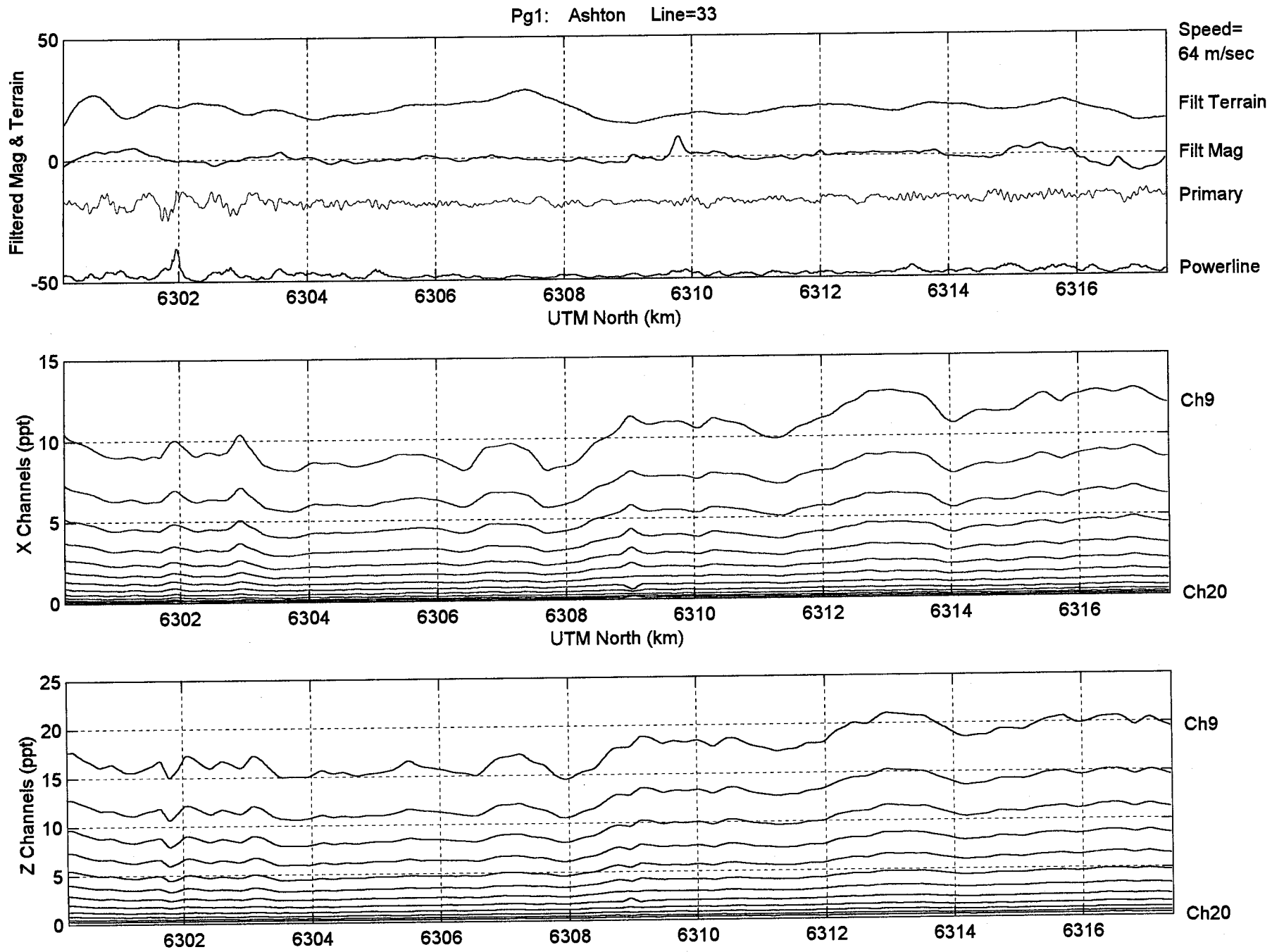

Pg1: Geoterrex Ashton Line=28
Filtered Mag & Terrain
50
0
-50
Speed=
-66 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Z Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
K5
K7
K14

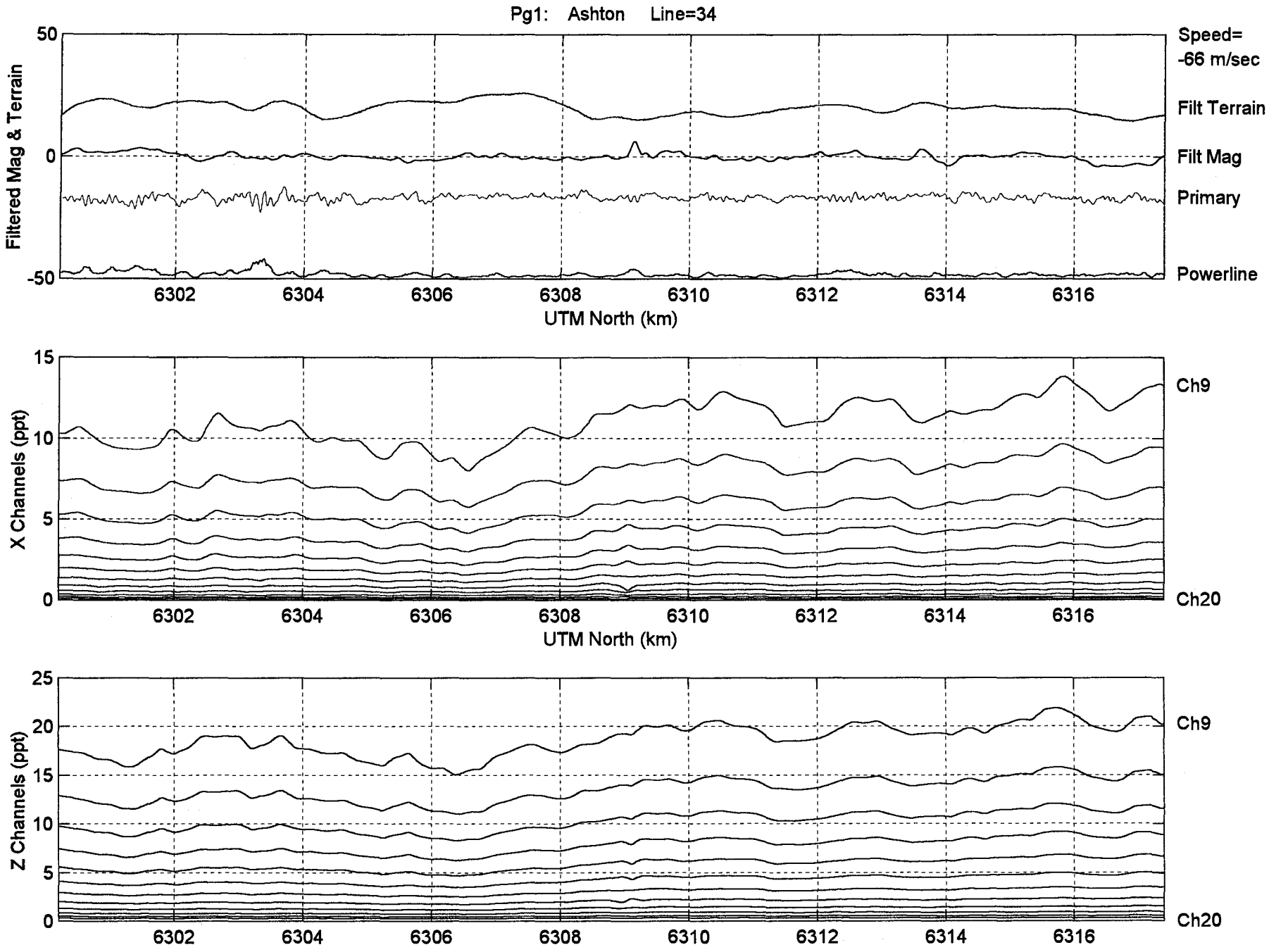

Pg1: Geoterrex Ashton Line=29
Filtered Mag & Terrain
50
0
-50
Speed=
65 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Z Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
K7
K14

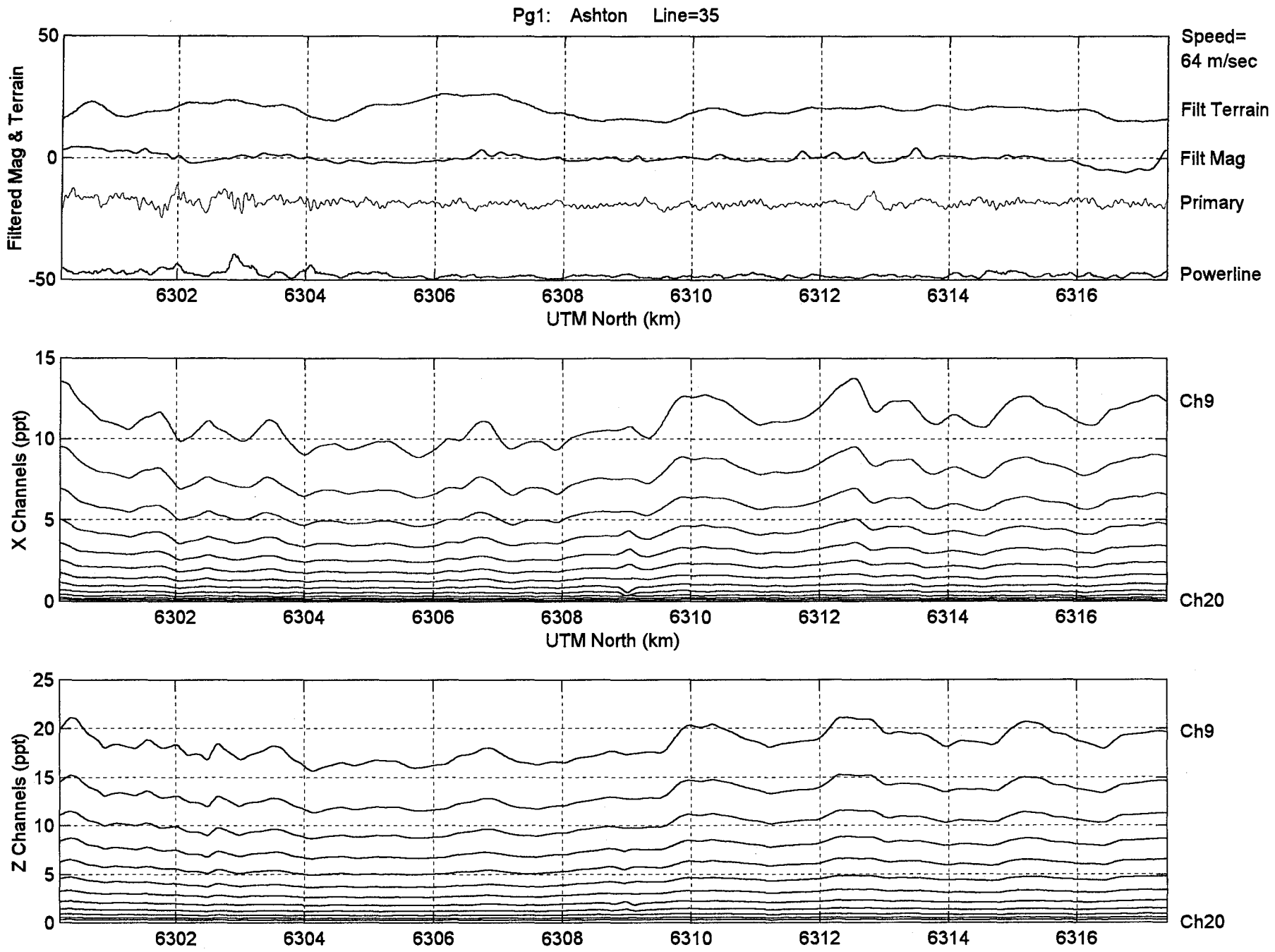

Pg1: Ashton Line=30
Speed=
-66 m/sec
Filtered Mag & Terrain
50
0
-50
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Z Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316

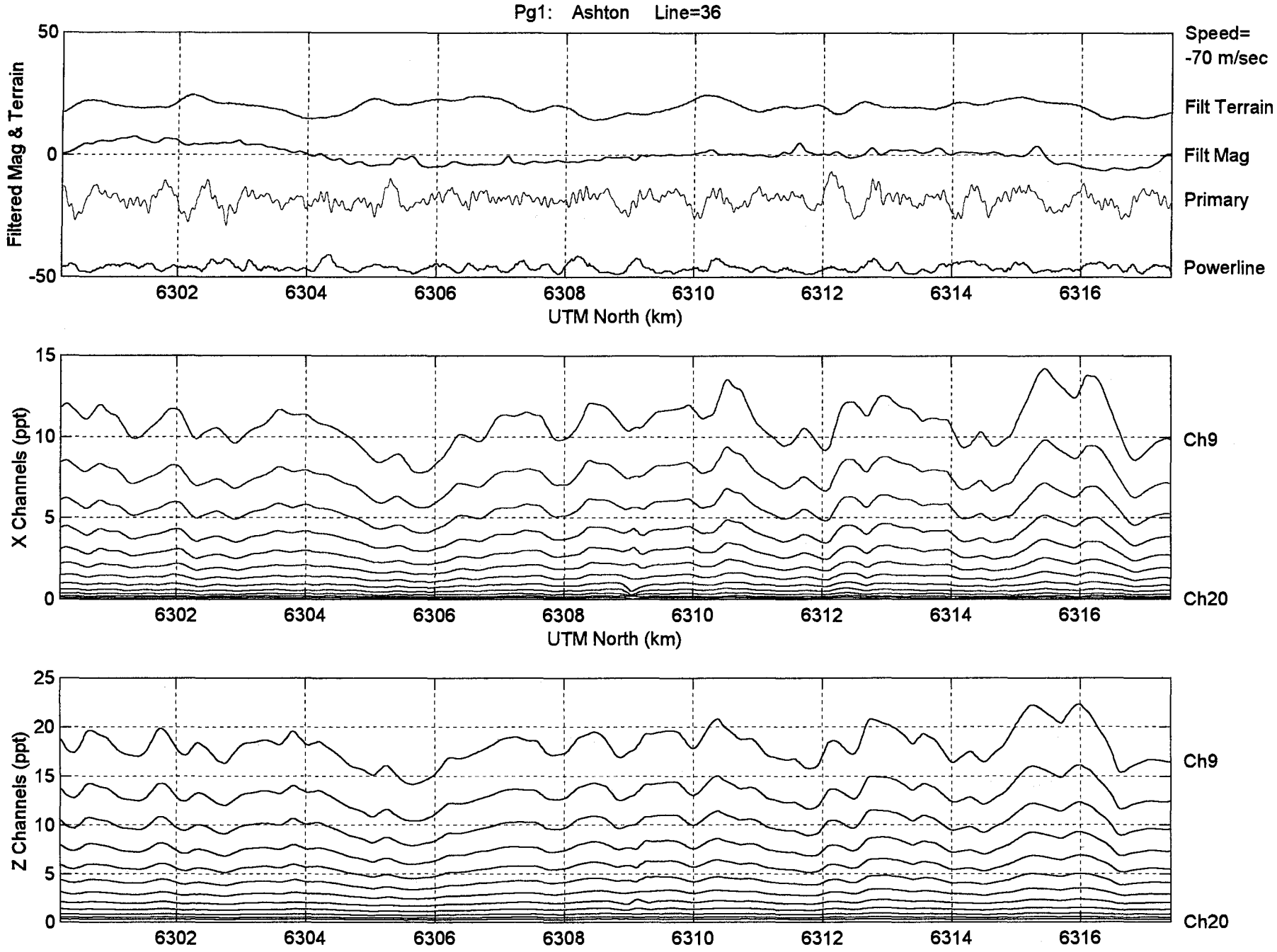

Pg1: Ashton Line=31
Filtered Mag & Terrain
50
0
-50
Speed=
65 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Z Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316

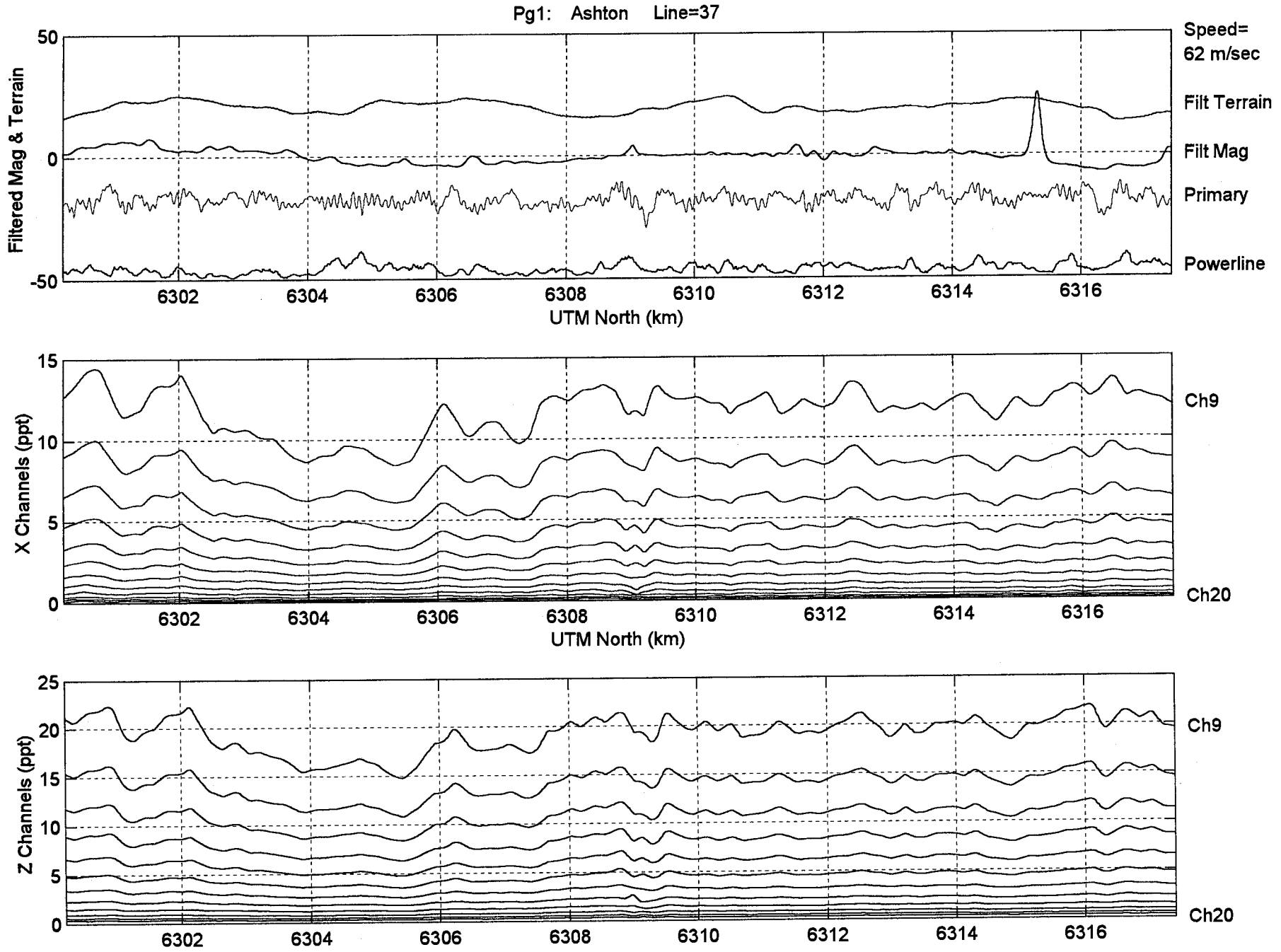

Pg1: Ashton Line=32
Filtered Mag & Terrain
50
0
-50
Speed=
-66 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Z Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316

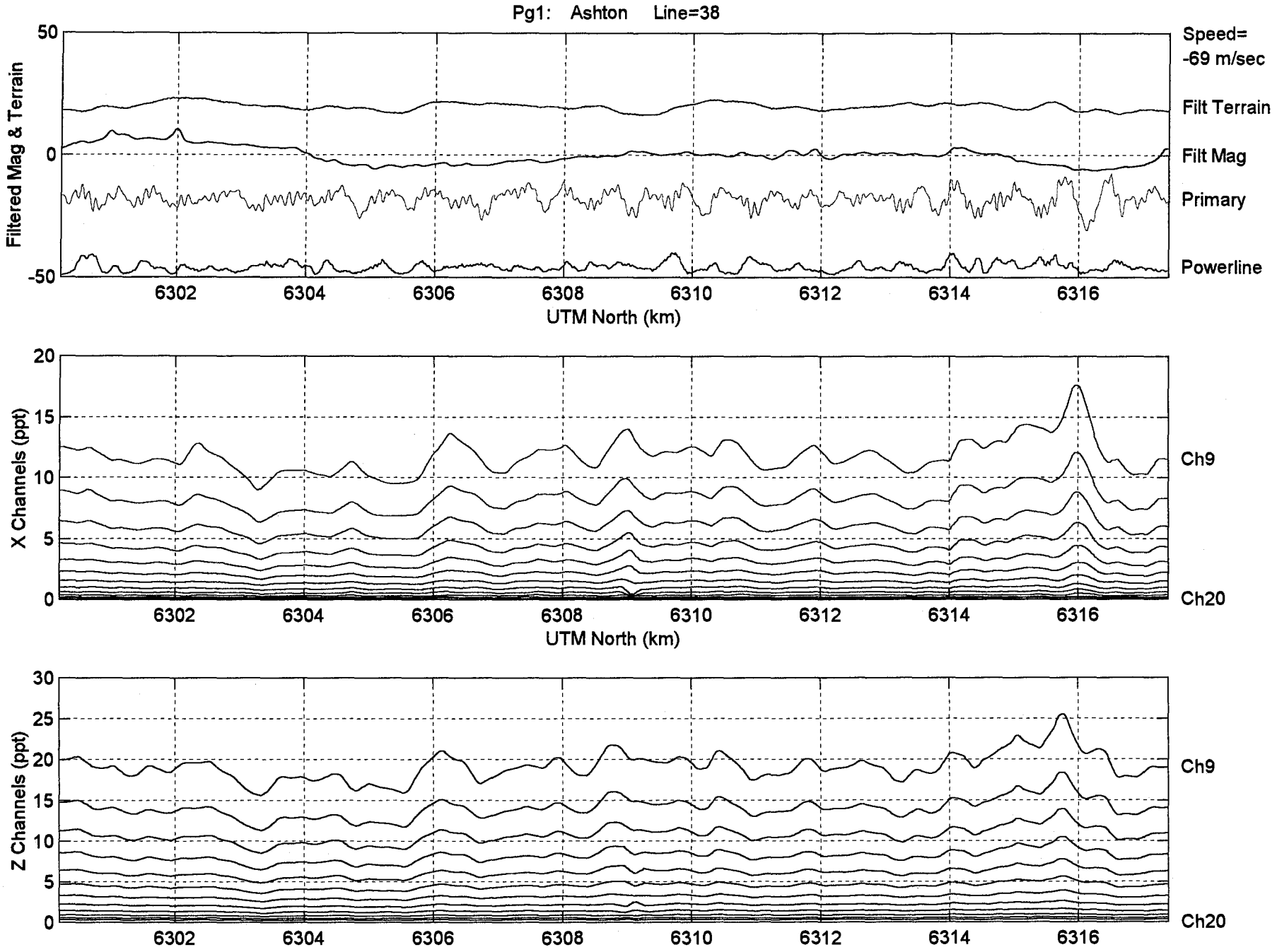

Pg1: Ashton Line=33
Filtered Mag & Terrain
50
0
-50
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Speed=
64 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
25
20
15
10
5
0

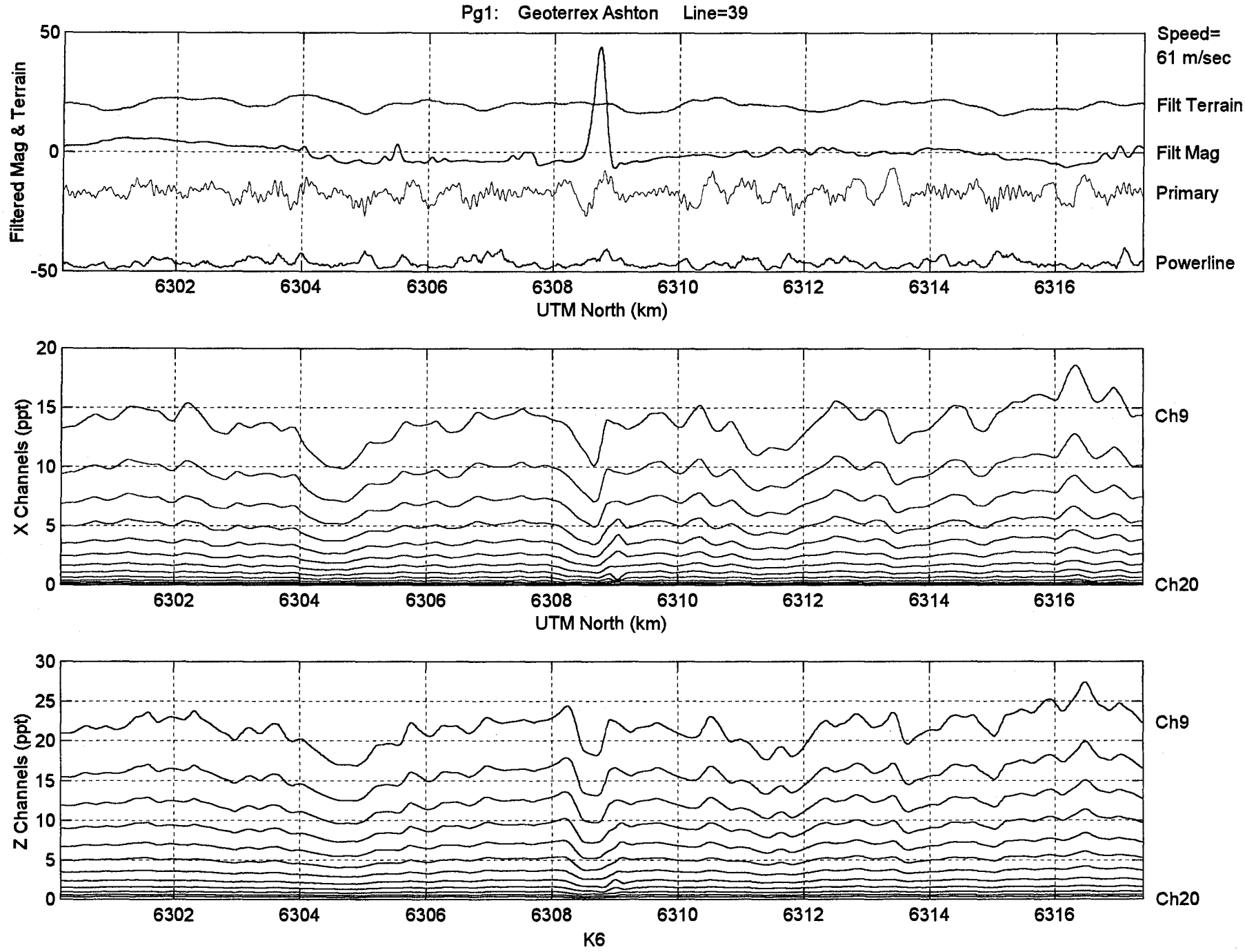

Pg1: Ashton Line=34
Filtered Mag & Terrain
50
0
-50
Speed=
-66 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Z Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316

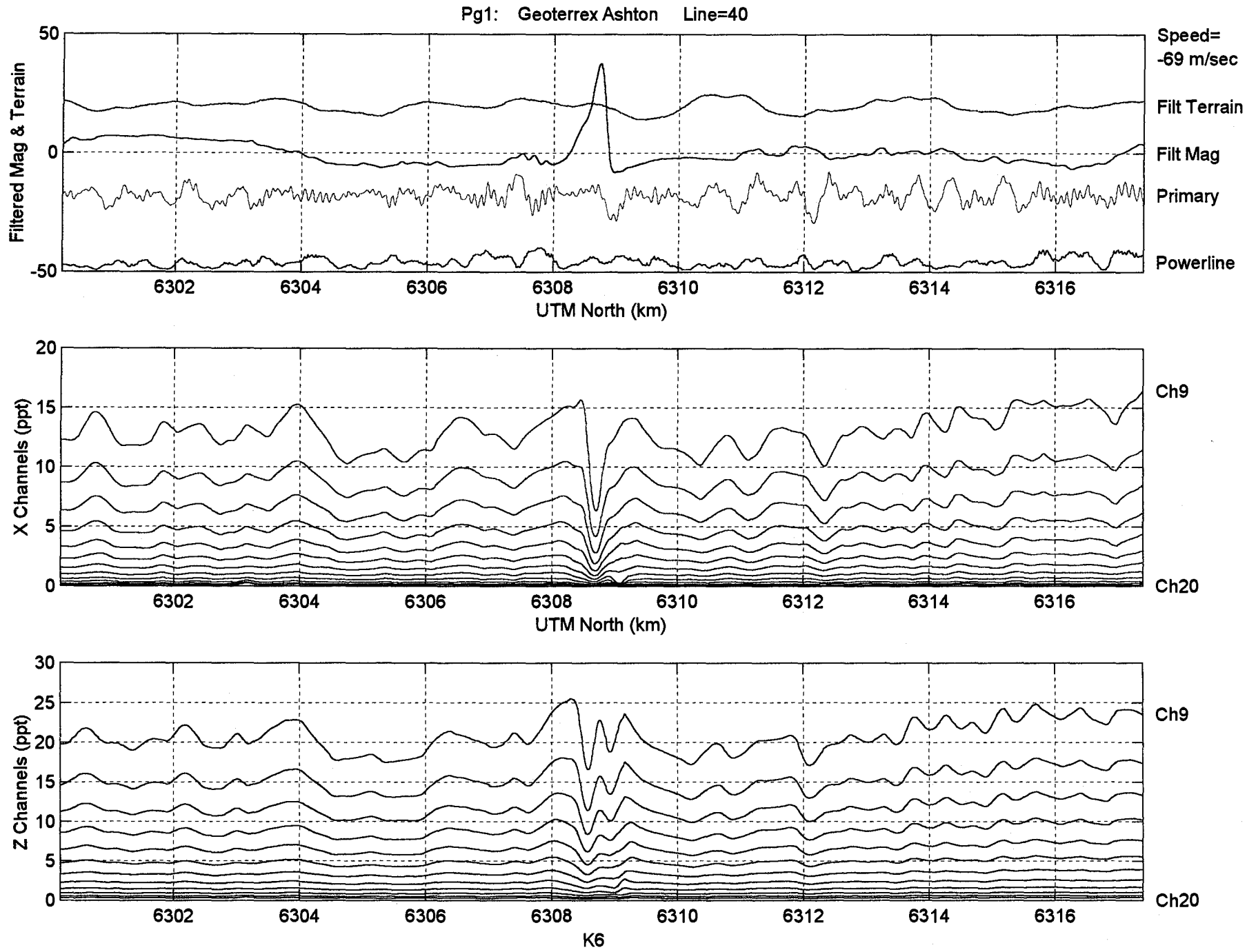

Pg1: Ashton Line=35
Filtered Mag & Terrain
50
0
-50
Speed=
64 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Z Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316

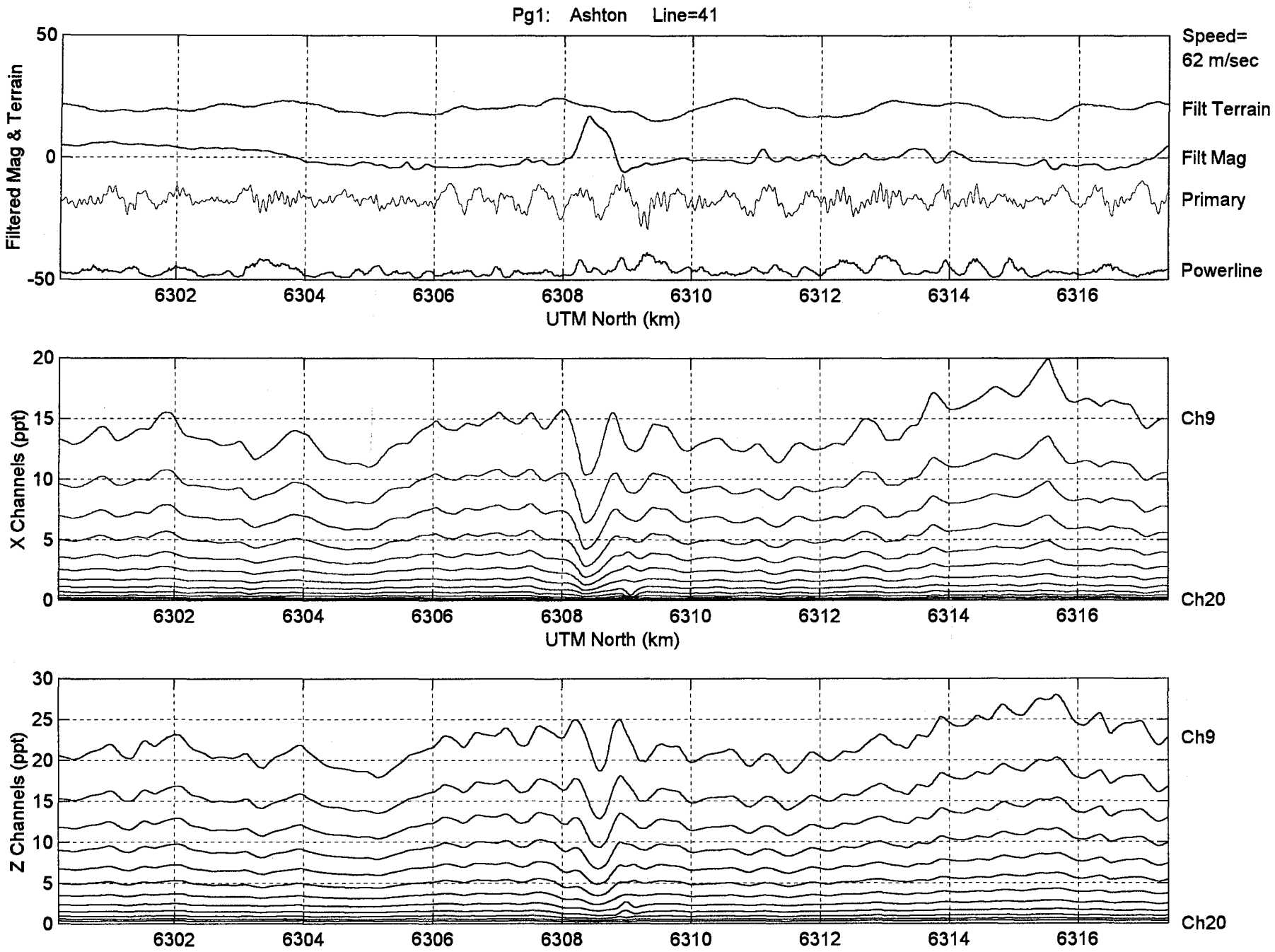

Pg1: Ashton Line=36
Filtered Mag & Terrain
50
0
-50
Speed=
-70 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Z Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316

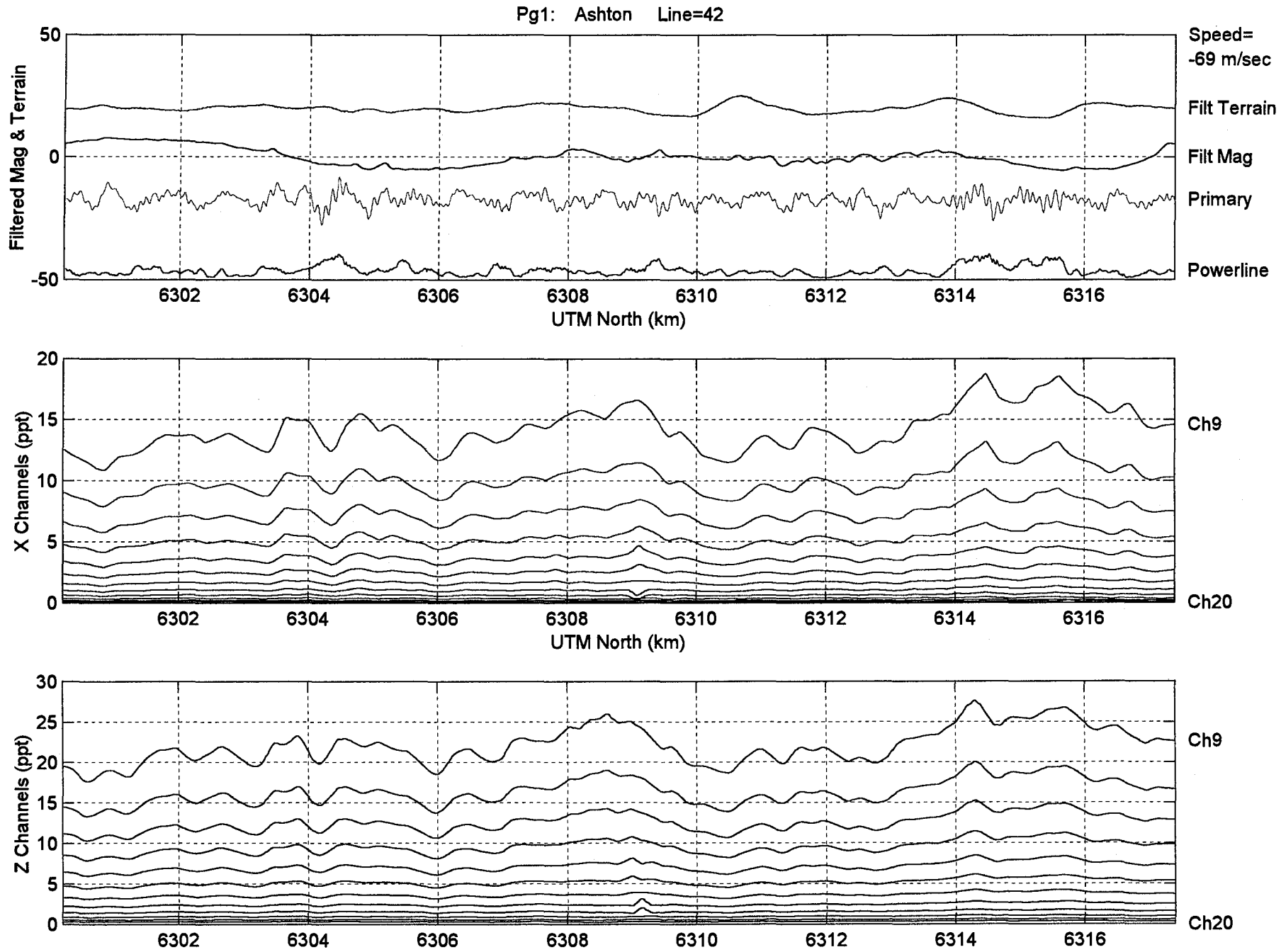

Pg1: Ashton Line=37
Filtered Mag & Terrain
50
0
-50
Speed=
62 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Z Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316

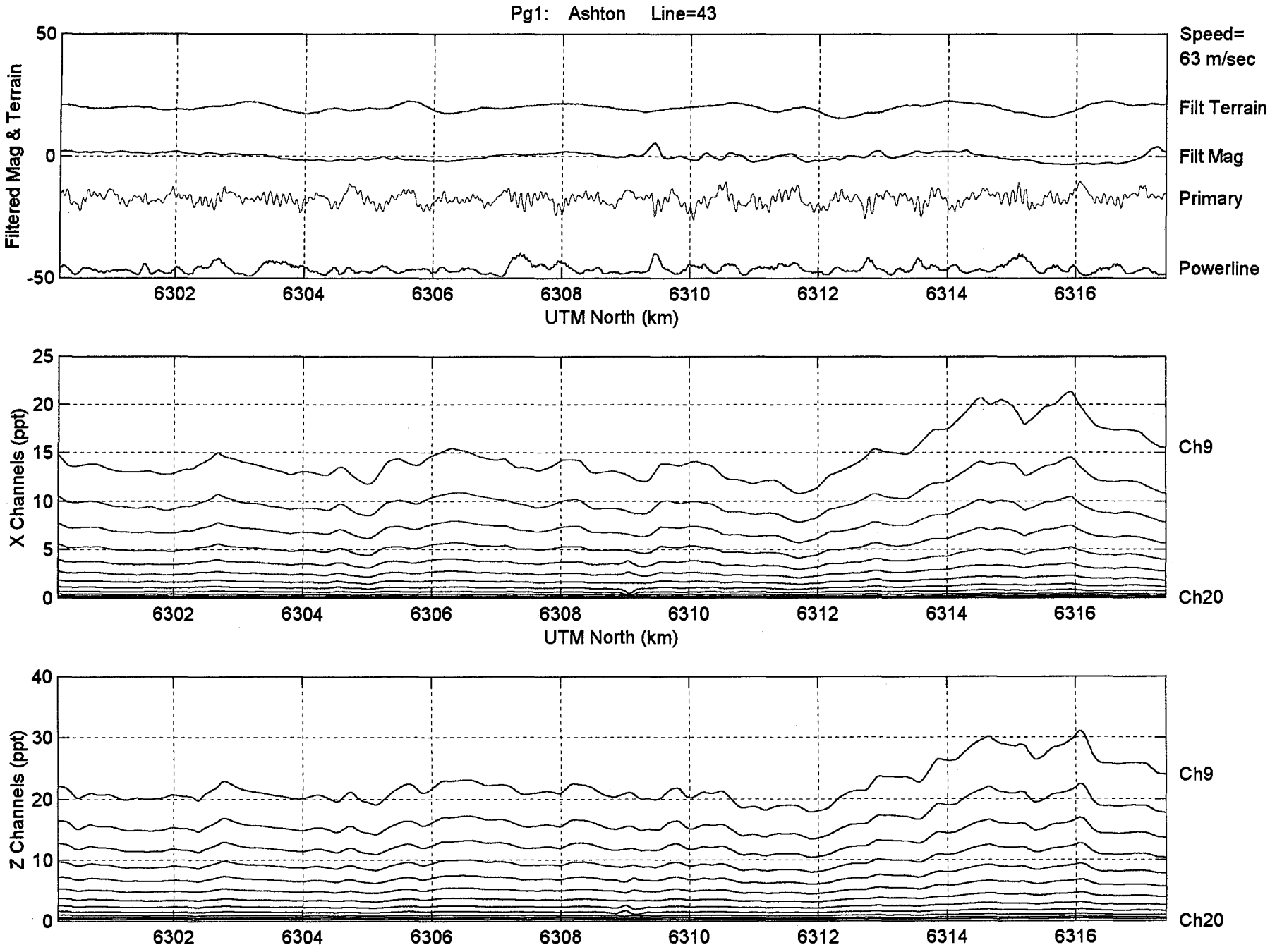

Pg1: Ashton Line=38
Filtered Mag & Terrain
50
0
-50
Speed=
-69 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20

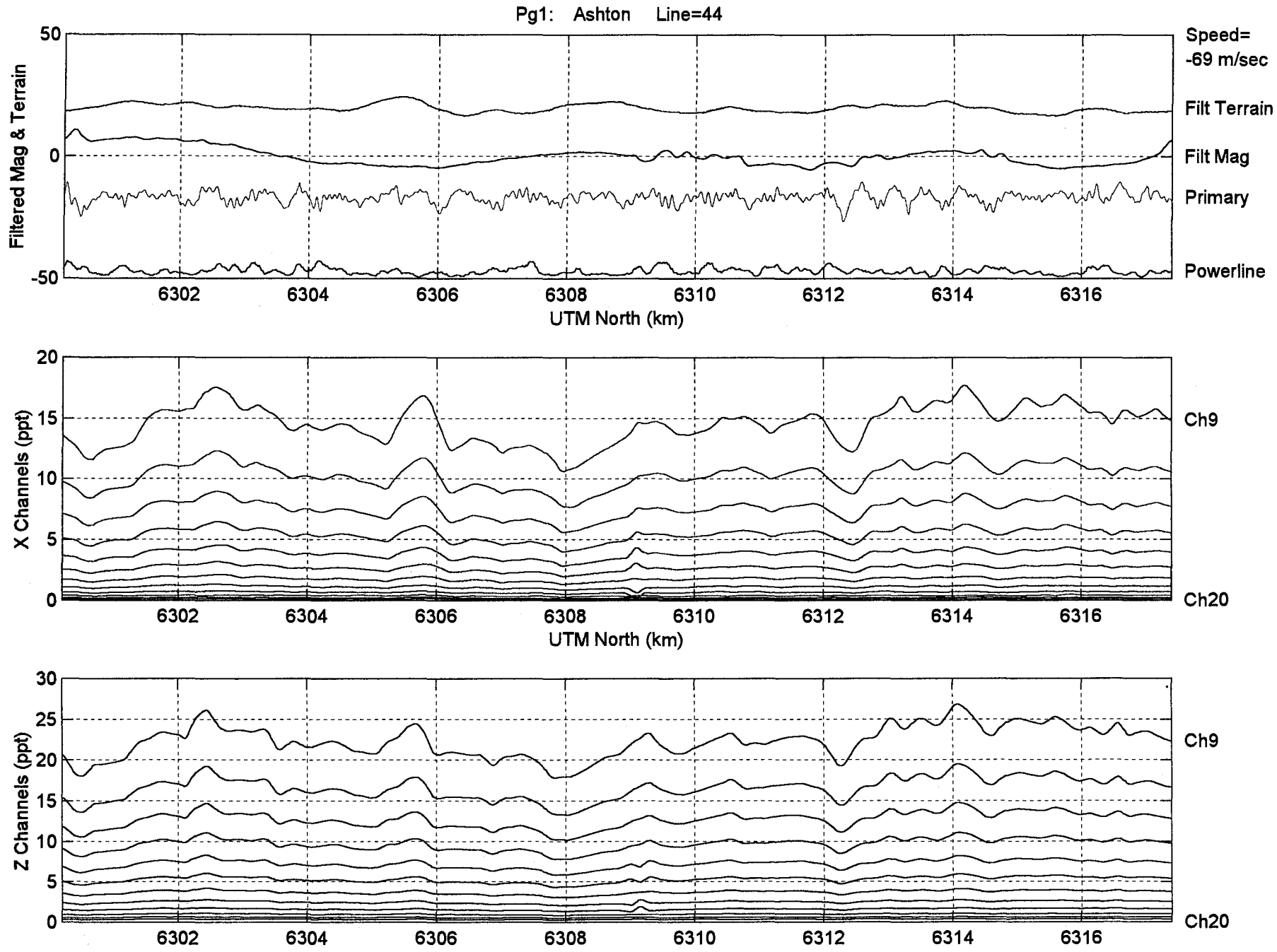

Pg1: Geoterrex Ashton Line=39
Filtered Mag & Terrain
50
0
-50
Speed=
61 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
K6

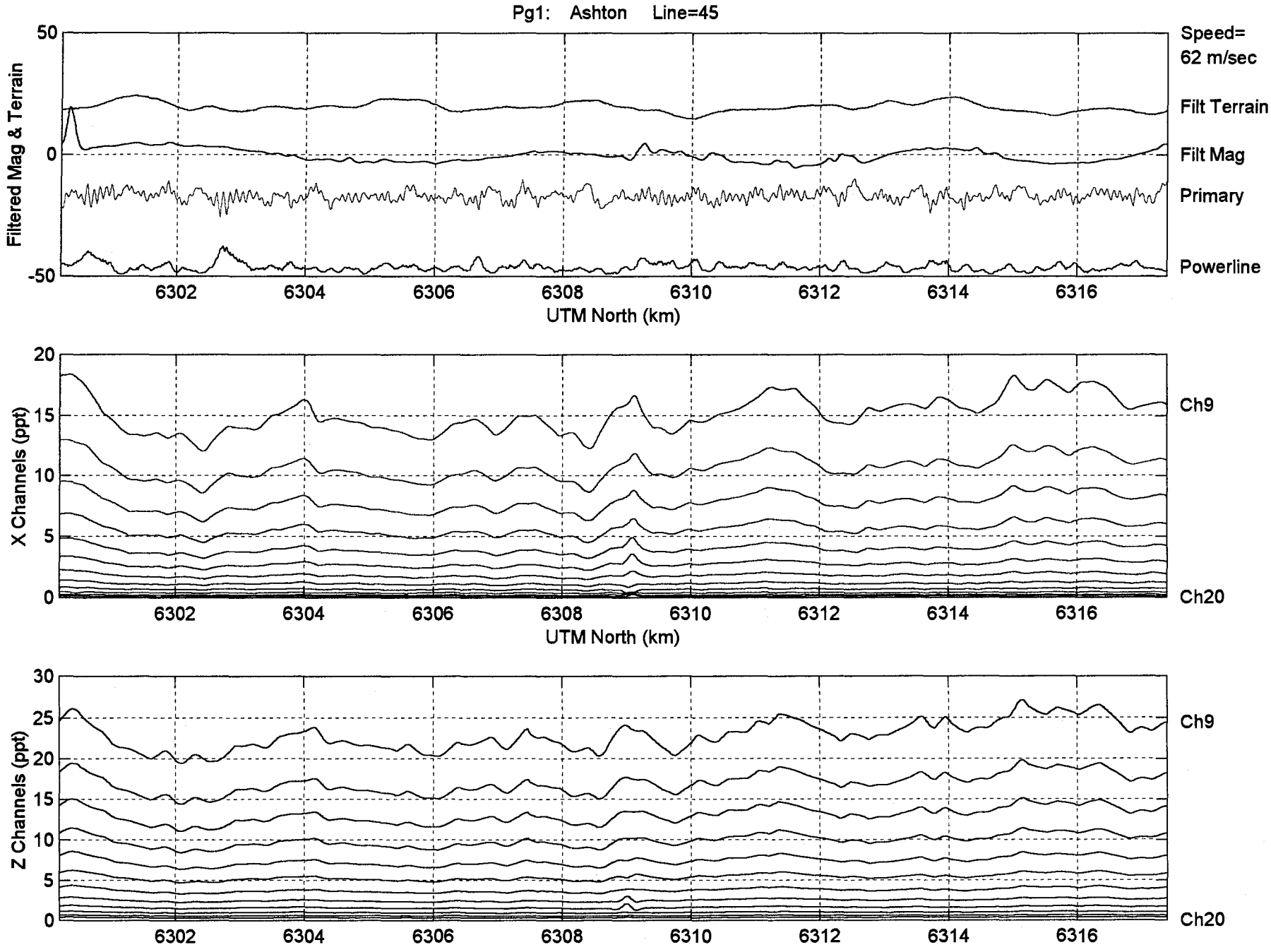

Pg1: Geoterrex Ashton Line=40
Filtered Mag & Terrain
50
0
-50
Speed=
-69 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Z Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
K6

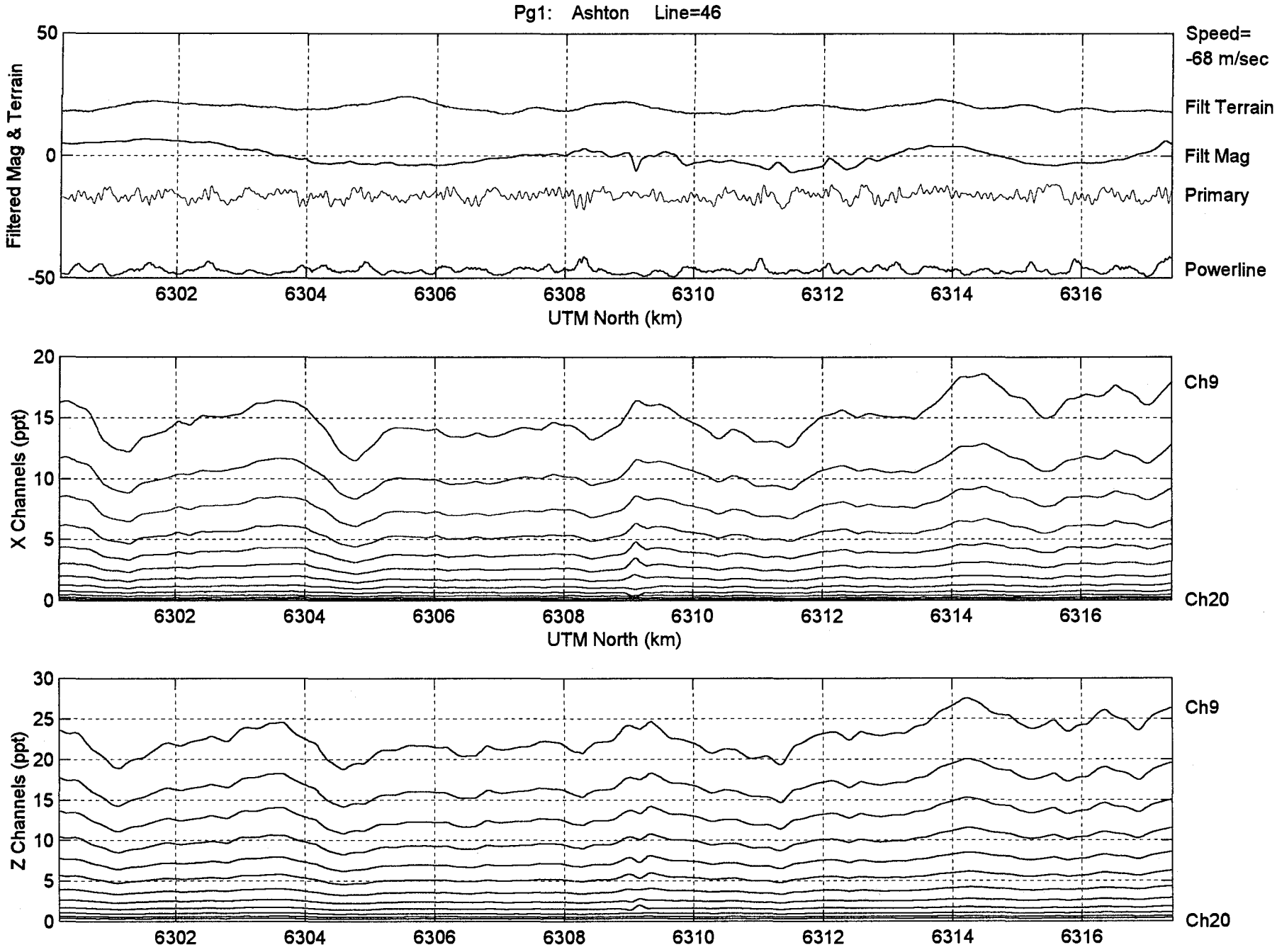

Pg1: Ashton Line=41
Filtered Mag & Terrain
50
0
-50
Speed=
62 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Z Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316

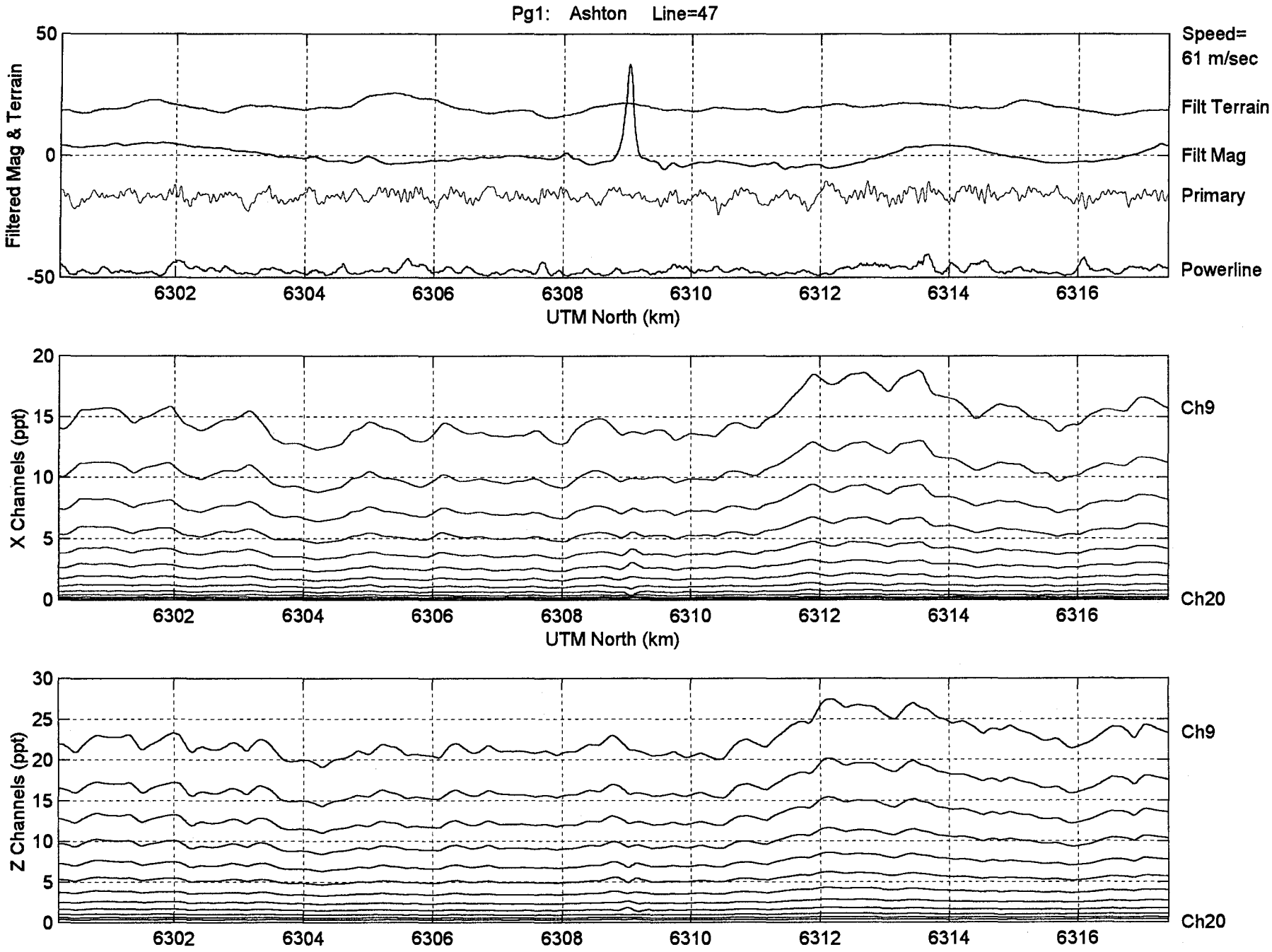

Pg1: Ashton Line=42
Filtered Mag & Terrain
50
0
-50
Speed=
-69 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Z Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316

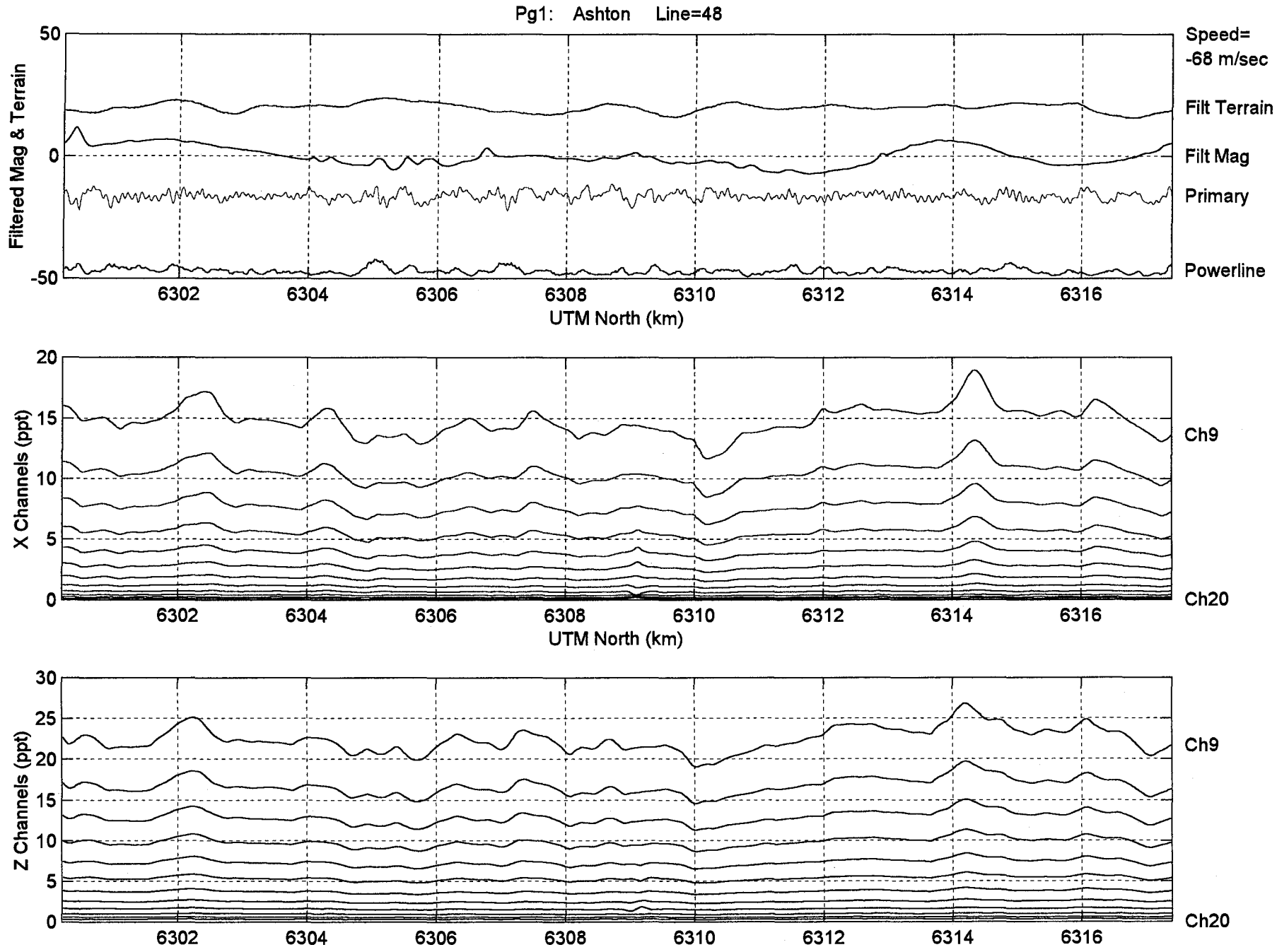

Pg1: Ashton Line=43
Filtered Mag & Terrain
50
0
-50
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Speed=
63 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
40
30
20
10
0
Ch9
Ch20

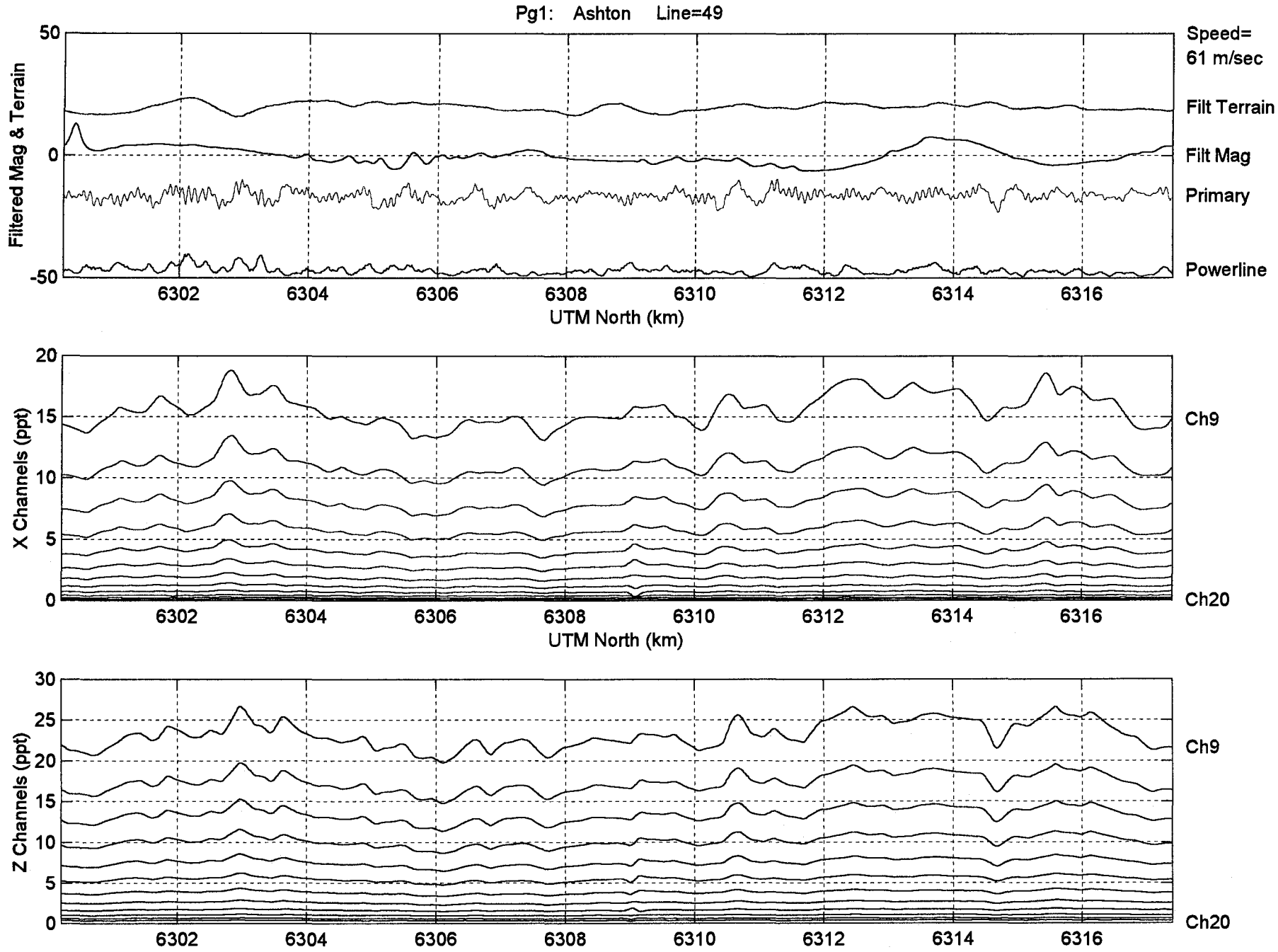

Pg1: Ashton Line=44
Filtered Mag & Terrain
50
0
-50
Speed=
-69 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Z Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316

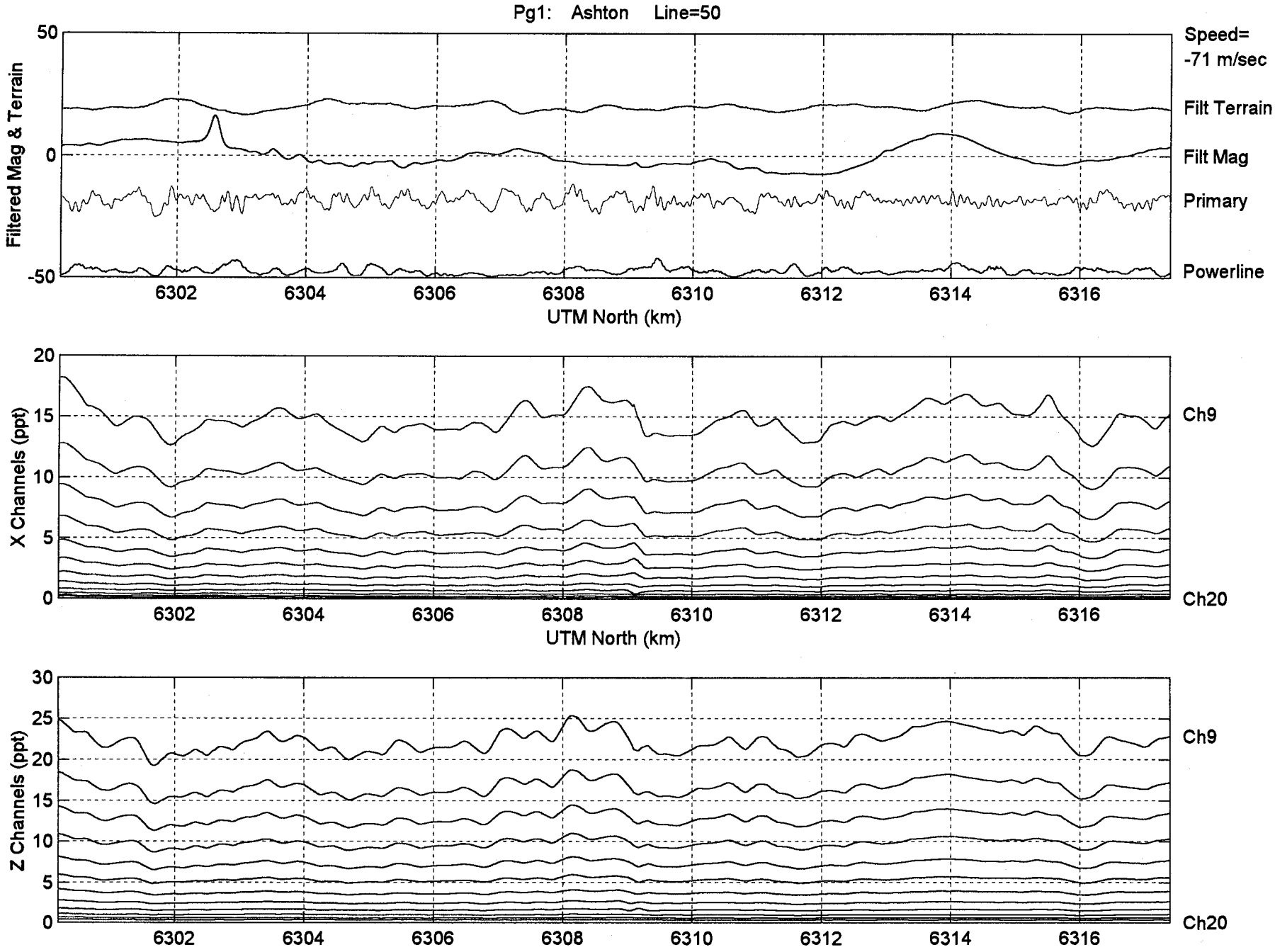

Pg1: Ashton Line=45
Filtered Mag & Terrain
50
0
-50
Speed=
62 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20

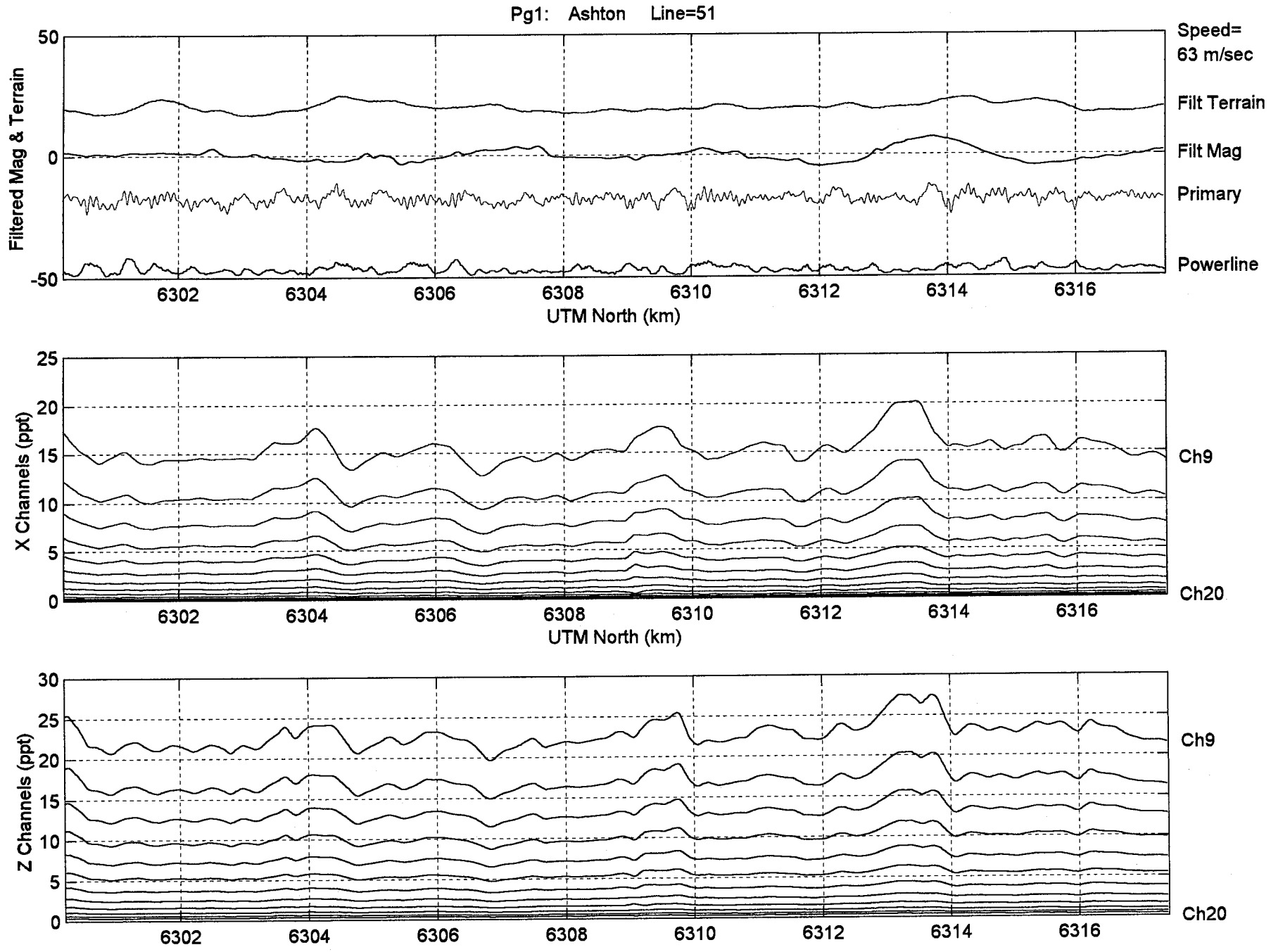

Pg1: Ashton Line=46
Filtered Mag & Terrain
50
0
-50
Speed=
-68 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Z Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316

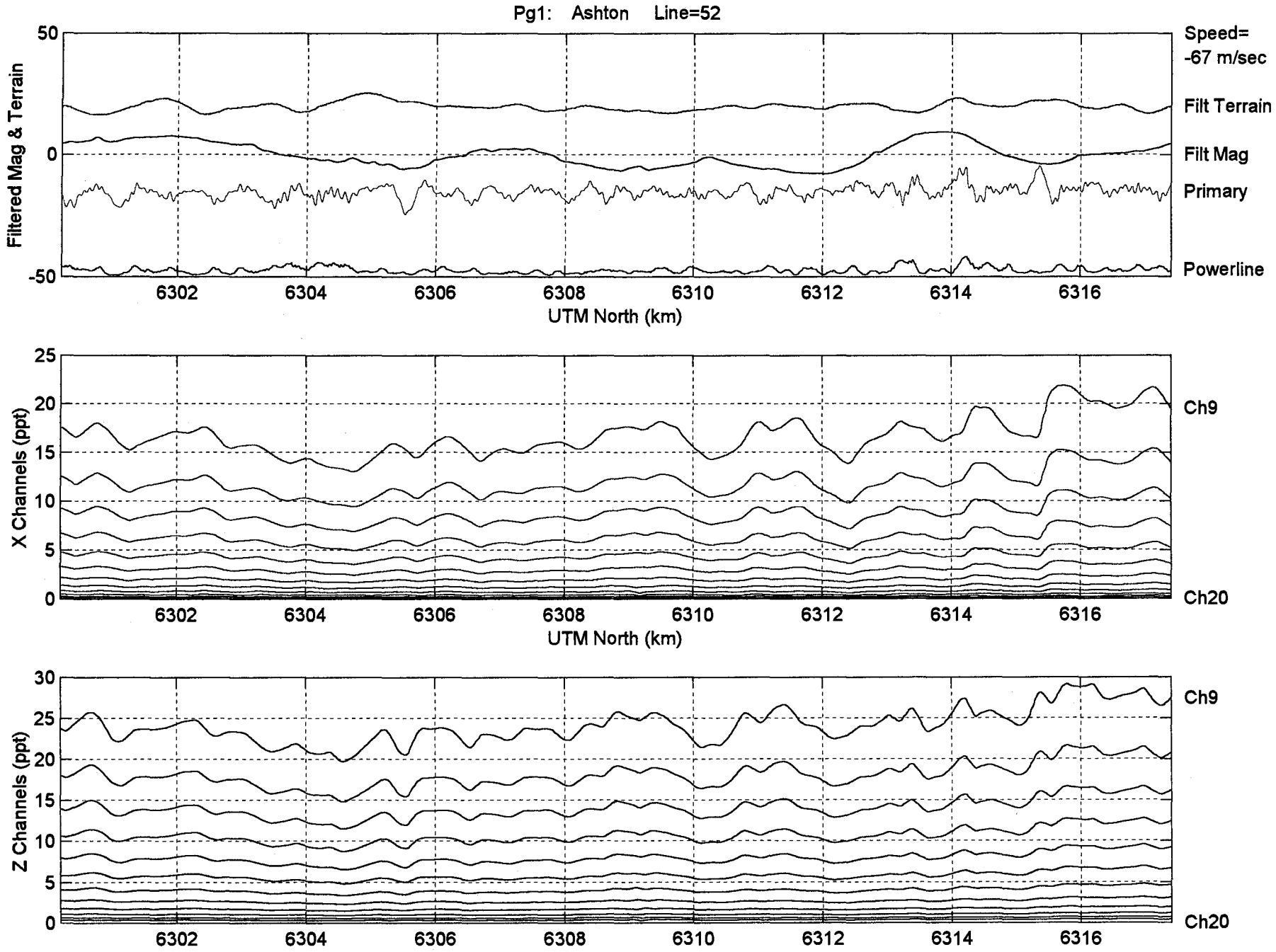

Pg1: Ashton Line=47
Filtered Mag & Terrain
50
0
-50
Speed=
61 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Z Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316

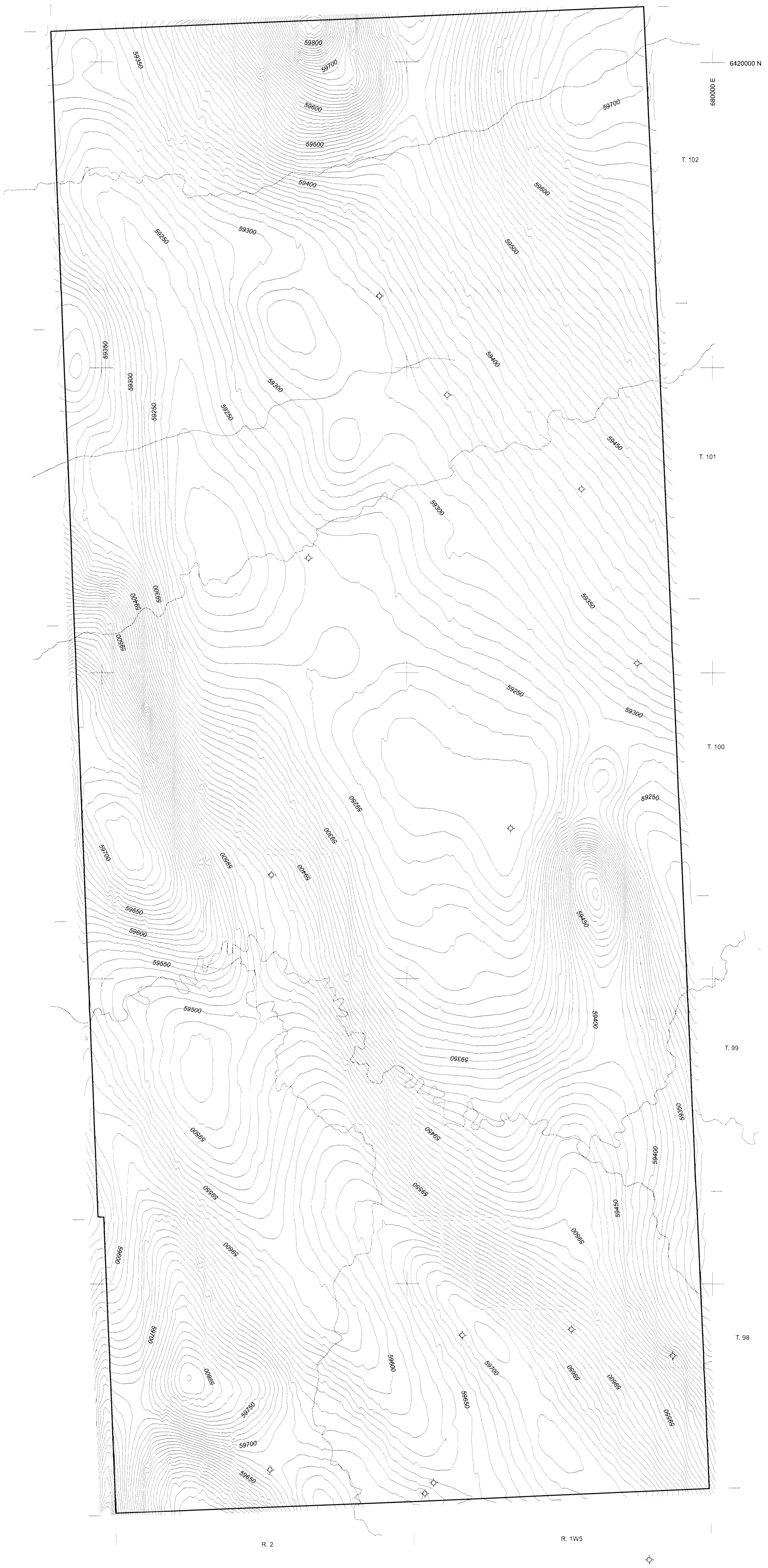

Pg1: Ashton Line=48
Filtered Mag & Terrain
50
0
-50
Speed=
-68 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20


Pg1: Ashton Line=49
Filtered Mag & Terrain
50
0
-50
Speed=
61 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Z Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316


Pg1: Ashton Line=50
Filtered Mag & Terrain
50
0
-50
Speed=
-71 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
20
15
10
5
0
Ch9
Ch20
UTM North (km)
Z Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20


Pg1: Ashton Line=51
Filtered Mag & Terrain
50
0
-50
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Speed=
63 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
Z Channels (ppt)
30


Pg1: Ashton Line=52
Filtered Mag & Terrain
50
0
-50
Speed=
-67 m/sec
Filt Terrain
Filt Mag
Primary
Powerline
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
X Channels (ppt)
25
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316
UTM North (km)
Z Channels (ppt)
30
25
20
15
10
5
0
Ch9
Ch20
6302
6304
6306
6308
6310
6312
6314
6316



SYMBOLS

- Isomagnetic contour; contour interval 10 nT
- Oil or gas well
- Pipeline
- Prospect boundary

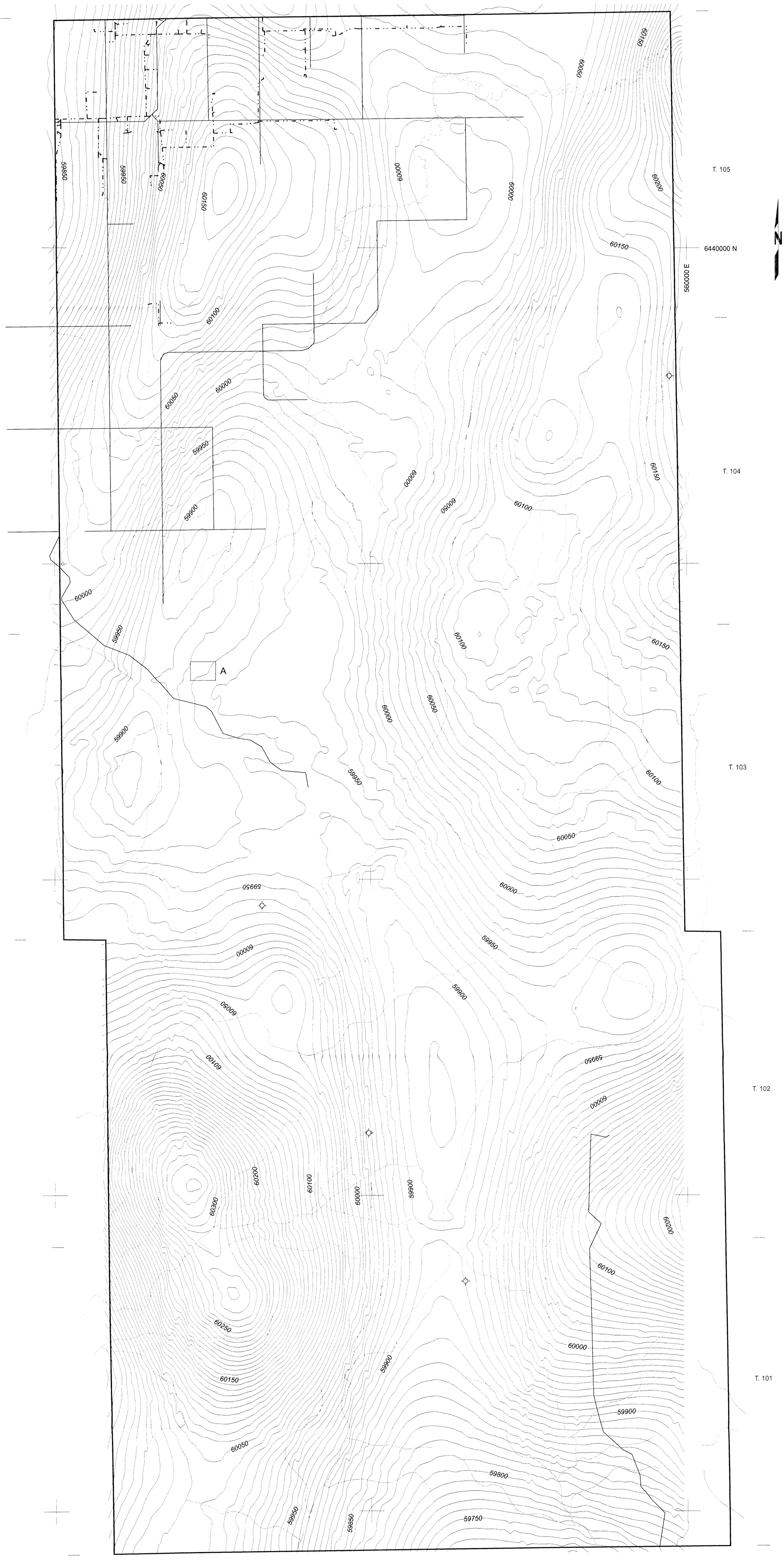
NEW CLAYMORE RESOURCES LTD.
GOLDEN BLOCK

DRAWING 01

BURNT RIVER PROSPECT
AIRBORNE MAGNETIC SURVEY
TOTAL MAGNETIC FIELD CONTOURS

84 G/9, G/16

September, 1999



SYMBOLS

- Isomagnetic contour; contour interval 10 nT
- A — Ground magnetometer geophysical grid; identifier
- Oil or gas well
- Pipeline
- Road
- Prospect boundary

0 5

Kilometres

UTM NAD 27 Zone 11

NEW CLAYMORE RESOURCES LTD.
GOLDEN BLOCK

DRAWING 02

ELEKTRA PROSPECT
AIRBORNE MAGNETIC SURVEY
TOTAL MAGNETIC FIELD CONTOURS

84 F/16, K/1

September, 1999

T. 107

T. 106

646000 N

590000 E

R. 12

R. 11

R. 10W5

SYMBOLS

- Isomagnetic contour; contour interval 20 nT
- Oil or gas well
- Pipeline
- Road
- Prospect boundary

0 5

Kilometres

UTM NAD 27 Zone 11

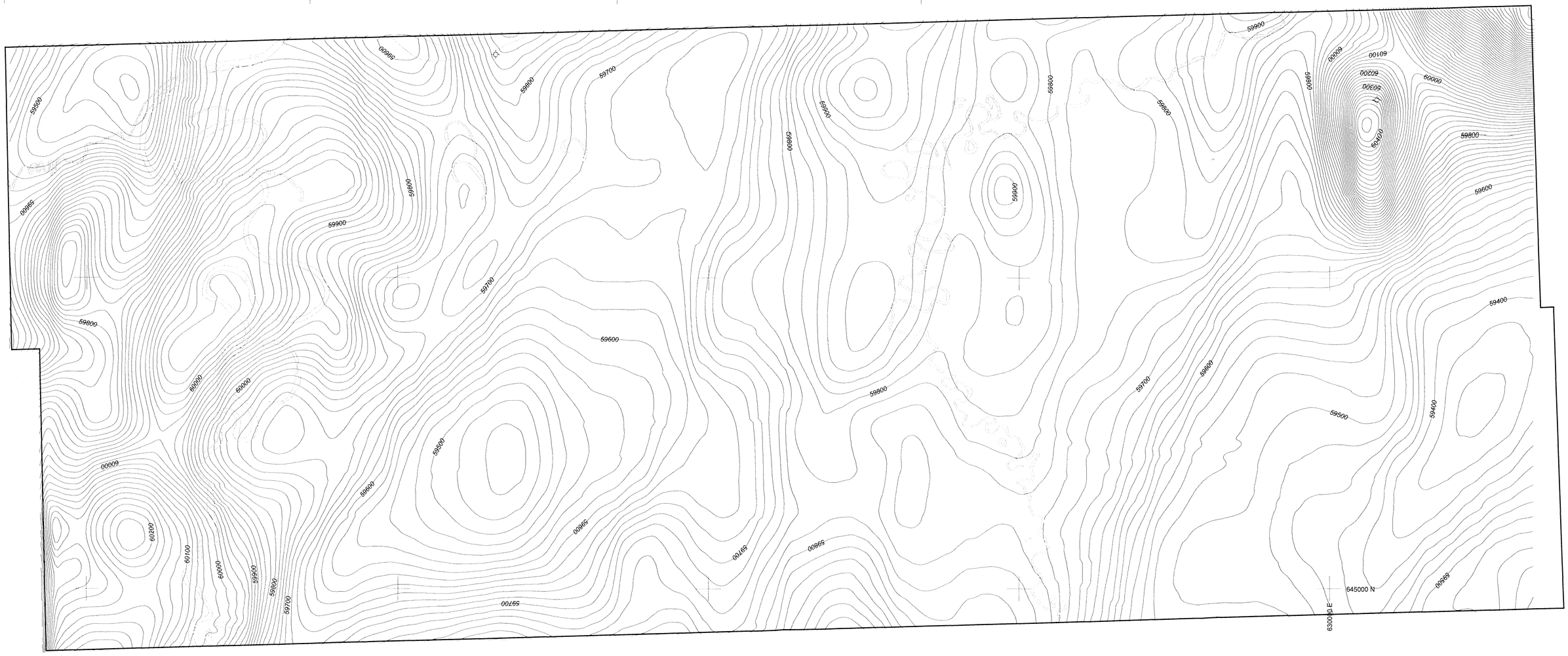
NEW CLAYMORE RESOURCES LTD.
GOLDEN BLOCK

DRAWING 03

FRICKA PROSPECT
AIRBORNE MAGNETIC SURVEY
TOTAL MAGNETIC FIELD CONTOURS

84 J/4, J/5

September, 1999



SYMBOLS

Isomagnetic contour; contour interval 20 nT

Oil or gas well

Prospect boundary

0 5

Kilometres

UTM NAD 27 Zone 11

N

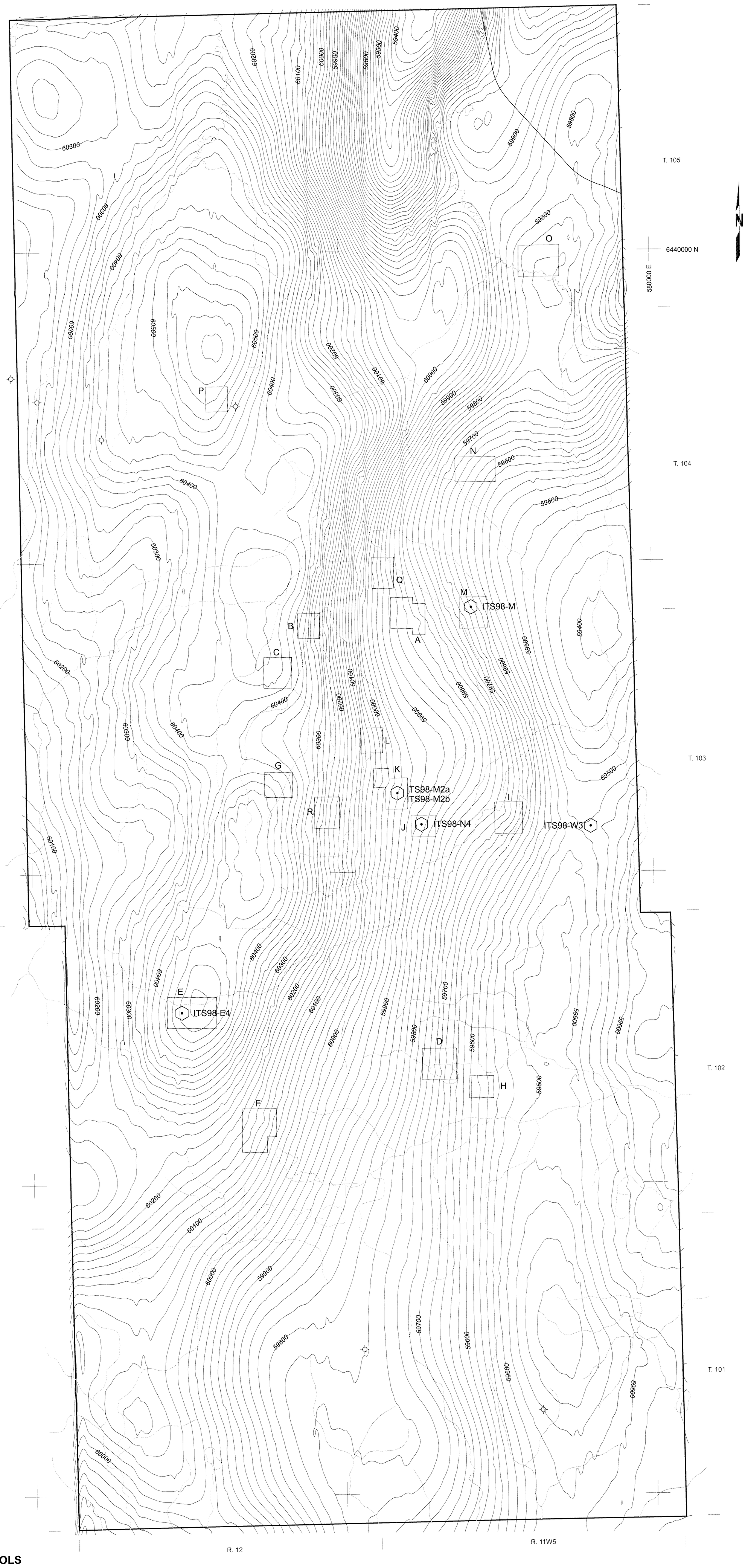
NEW CLAYMORE RESOURCES LTD.
GOLDEN BLOCK

DRAWING 04

HORSESHOE PROSPECT
AIRBORNE MAGNETIC SURVEY
TOTAL MAGNETIC FIELD CONTOURS

84 J/2, J/3, J/5, J/6

September, 1999



SYMBOLS

- Isomagnetic contour; contour interval 20 nT
- A — Ground magnetometer geophysical grid; identifier
- ITS98-M — Diamond drill hole; identifier
- Oil or gas well
- Pipeline
- Road
- Prospect boundary

0 5
Kilometres
UTM NAD 27 Zone 11

NEW CLAYMORE RESOURCES LTD.
GOLDEN BLOCK

DRAWING 05

ITS PROSPECT
AIRBORNE MAGNETIC SURVEY
TOTAL MAGNETIC FIELD CONTOURS

84 G/13, J/4
September, 1999



SYMBOLS

- Isomagnetic contour; contour interval 10 nT
- A — Ground magnetometer geophysical grid; identifier
- PR99-01 — Diamond drill hole; identifier
- Oil or gas well
- Pipeline
- Prospect boundary

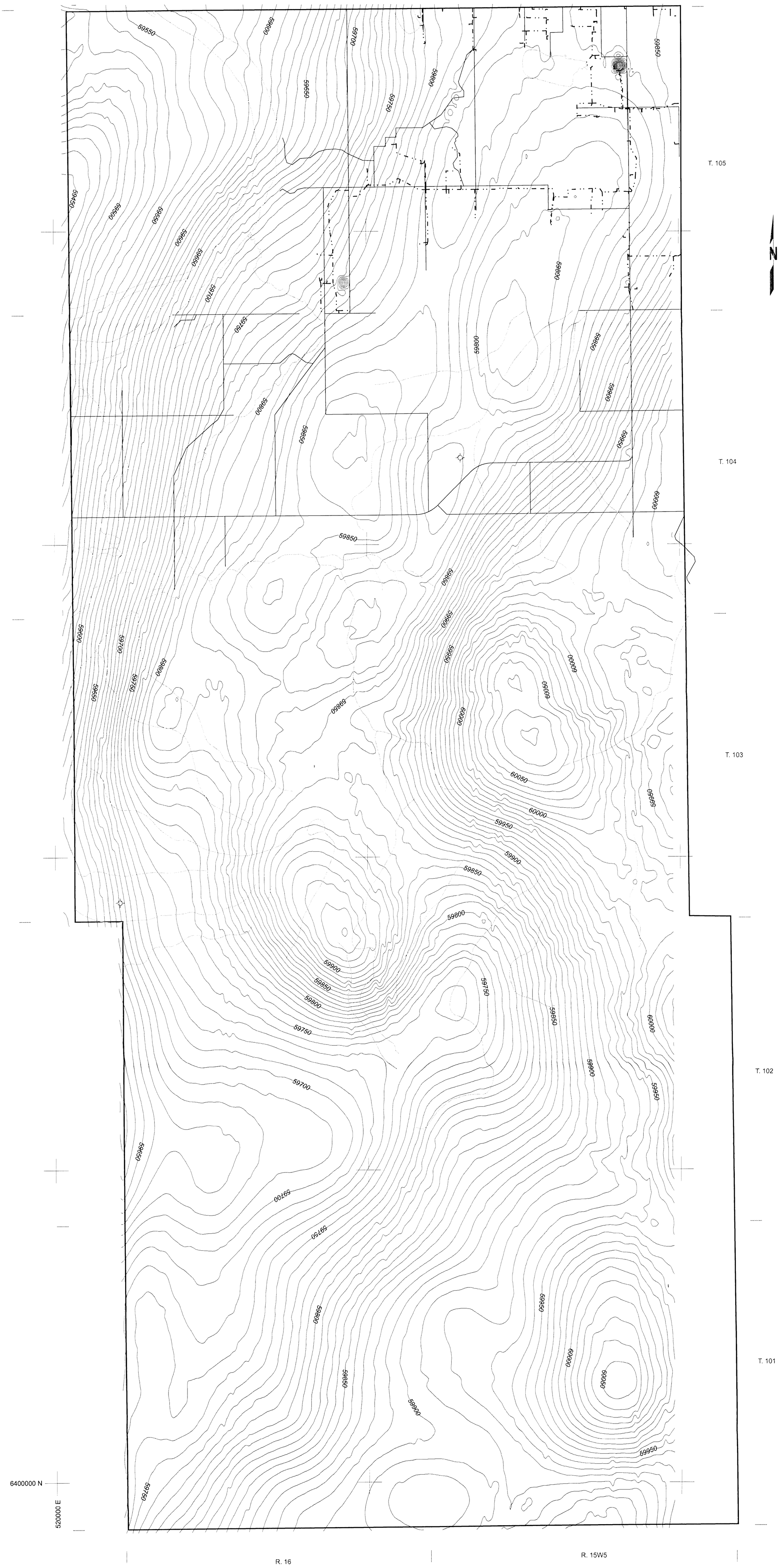
0 — 5
Kilometres
UTM NAD 27 Zone 11

NEW CLAYMORE RESOURCES LTD.
GOLDEN BLOCK

DRAWING 06

PANNY RIVER PROSPECT
AIRBORNE MAGNETIC SURVEY
TOTAL MAGNETIC FIELD CONTOURS

84 G/1, G/8
September, 1999



SYMBOLS

- Isomagnetic contour; contour interval 10 nT
- Oil or gas well
- Pipeline
- Road
- Prospect boundary

0 5

Kilometres

UTM NAD 27 Zone 11

NEW CLAYMORE RESOURCES LTD.
GOLDEN BLOCK

DRAWING 07

SCARPIA PROSPECT
AIRBORNE MAGNETIC SURVEY
TOTAL MAGNETIC FIELD CONTOURS

84 F/15, F/16, K/1, K/2

September, 1999

T. 107

646000 N

560000 E

T. 106

R. 16 | R. 15 | R. 14 | R. 13W5

SYMBOLS

- Isomagnetic contour; contour interval 10 nT
- Oil or gas well
- Pipeline
- Road
- Prospect boundary

0 — 5

Kilometres

UTM NAD 27 Zone 11

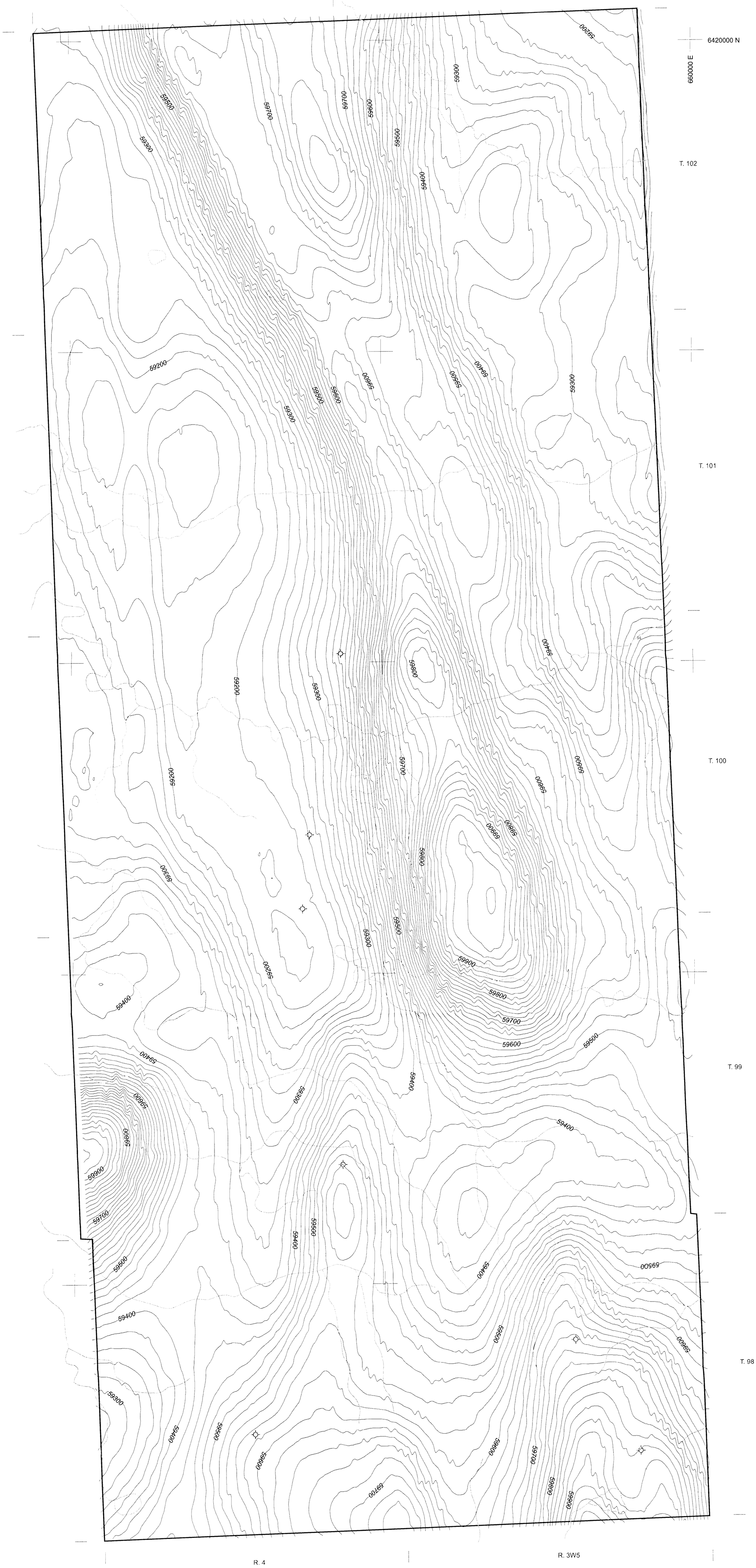
NEW CLAYMORE RESOURCES LTD.
GOLDEN BLOCK

DRAWING 08

VERMILION PROSPECT
AIRBORNE MAGNETIC SURVEY
TOTAL MAGNETIC FIELD CONTOURS

84 K/1, K/2, K/7, K/8

September, 1999



SYMBOLS

- Isomagnetic contour; contour interval 20 nT
- Oil or gas well
- Pipeline
- Prospect boundary

0 5

Kilometres

UTM NAD 27 Zone 11

NEW CLAYMORE RESOURCES LTD.
GOLDEN BLOCK

DRAWING 09

RUSALKA PROSPECT
AIRBORNE MAGNETIC SURVEY
TOTAL MAGNETIC FIELD CONTOURS

84 G/9, G/10, G/15, G/16

September, 1999

T. 107

T. 106

6460000 N

560000 E

R. 16 | R. 15 | R. 14 | R. 13W5

SYMBOLS

- Isomagnetic contour; contour interval 10 nT
- Oil or gas well
- Pipeline
- Road
- Prospect boundary

0 5

Kilometres

UTM NAD 27 Zone 11

MIN 9925

NEW CLAYMORE RESOURCES LTD.
GOLDEN BLOCK

DRAWING 08

VERMILION PROSPECT
AIRBORNE MAGNETIC SURVEY
TOTAL MAGNETIC FIELD CONTOURS

84 K/1, K/2, K/7, K/8

September, 1999



SYMBOLS

- Isomagnetic contour; contour interval 10 nT
- Oil or gas well
- Pipeline
- Road
- Prospect boundary

0 5

Kilometres

UTM NAD 27 Zone 11

M.IN 9924

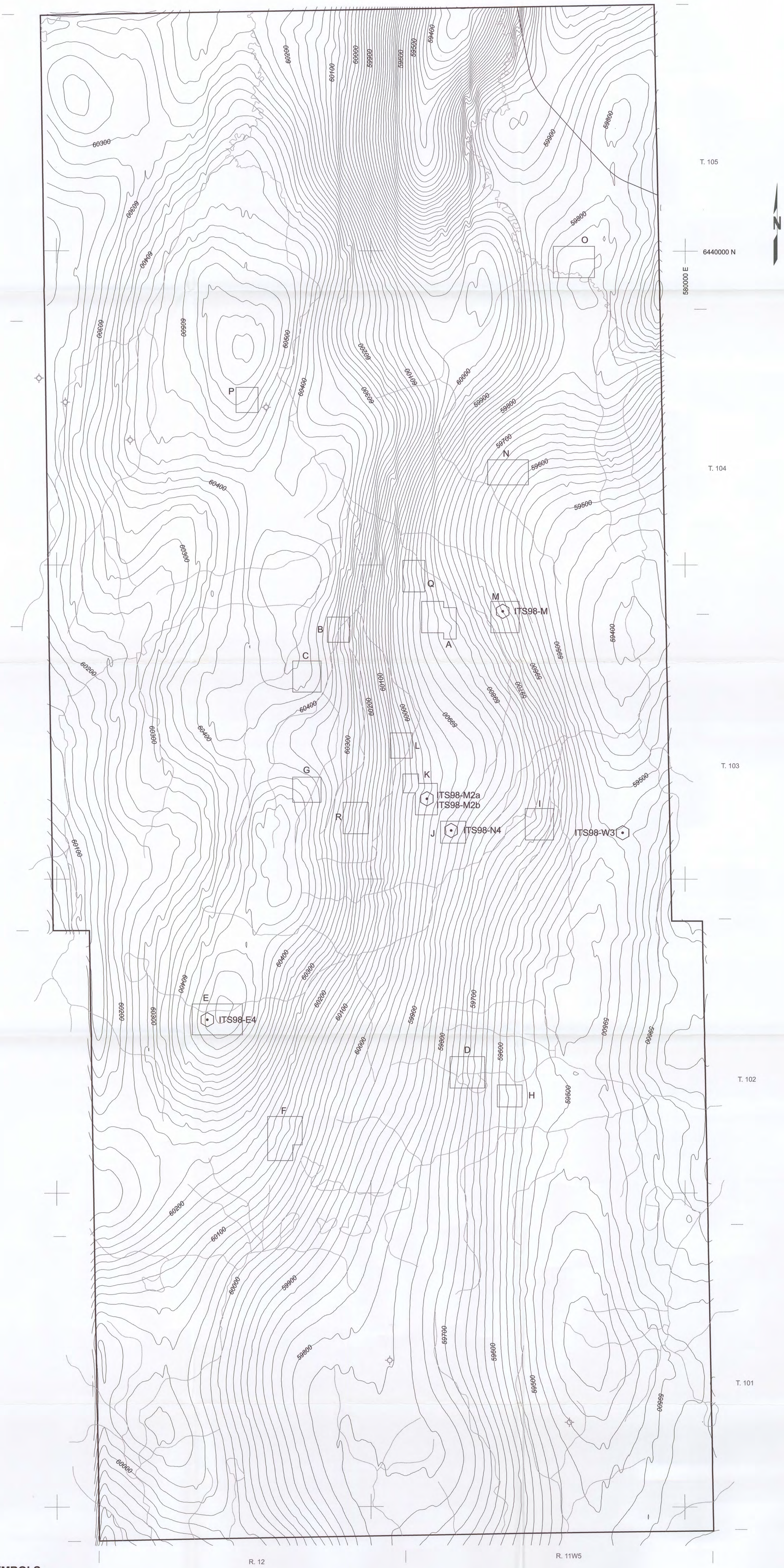
NEW CLAYMORE RESOURCES LTD.
GOLDEN BLOCK

DRAWING 07

SCARPIA PROSPECT
AIRBORNE MAGNETIC SURVEY
TOTAL MAGNETIC FIELD CONTOURS

84 F/15, F/16, K/1, K/2

September, 1999



SYMBOLS

- Isomagnetic contour; contour interval 20 nT
- A — Ground magnetometer geophysical grid; identifier
- ITS98-M — Diamond drill hole; identifier
- Oil or gas well
- Pipeline
- Road
- Prospect boundary

0 5
Kilometres
UTM NAD 27 Zone 11

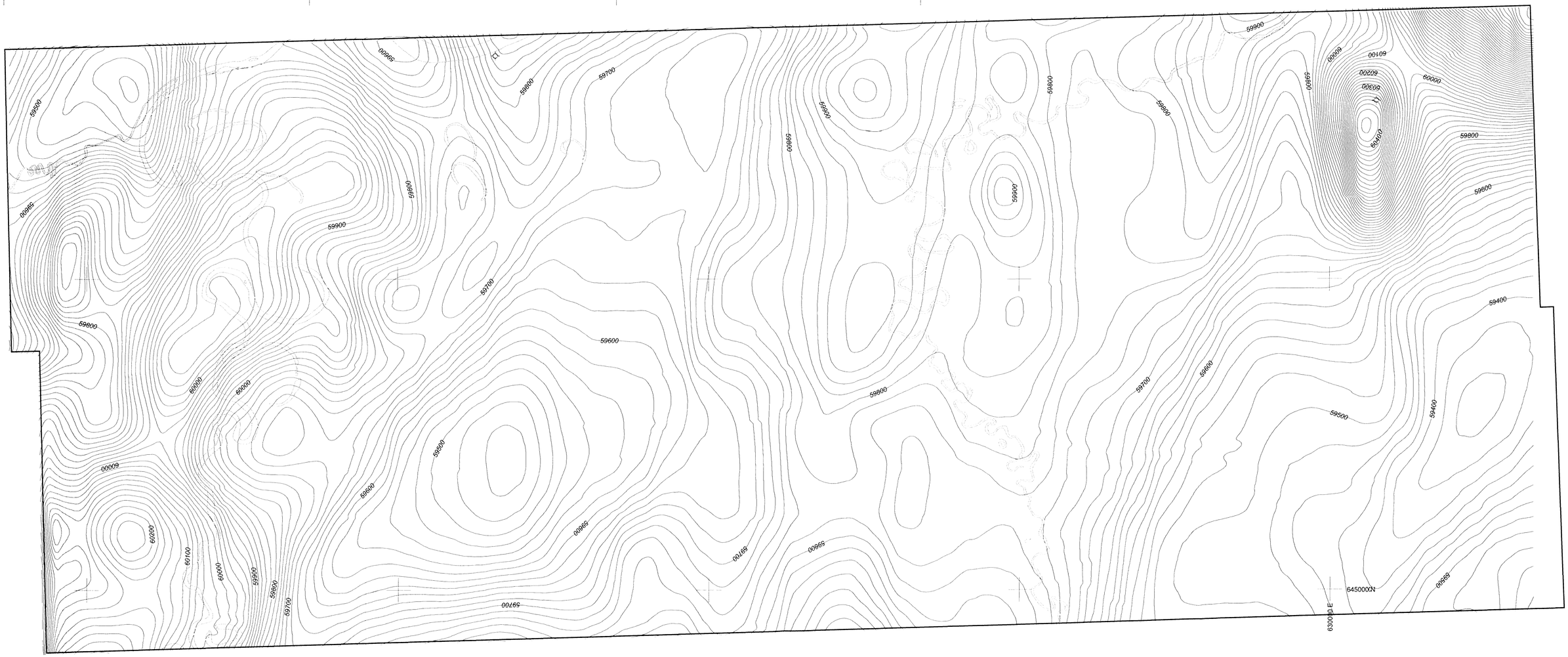
MW 7924

NEW CLAYMORE RESOURCES LTD.
GOLDEN BLOCK

DRAWING 05

ITS PROSPECT
AIRBORNE MAGNETIC SURVEY
TOTAL MAGNETIC FIELD CONTOURS

84 G/13, J/4
September, 1999



SYMBOLS

Isomagnetic contour; contour interval 20 nT

Oil or gas well

Prospect boundary

0 5

Kilometres

UTM NAD 27 Zone 11

N

MP 9824

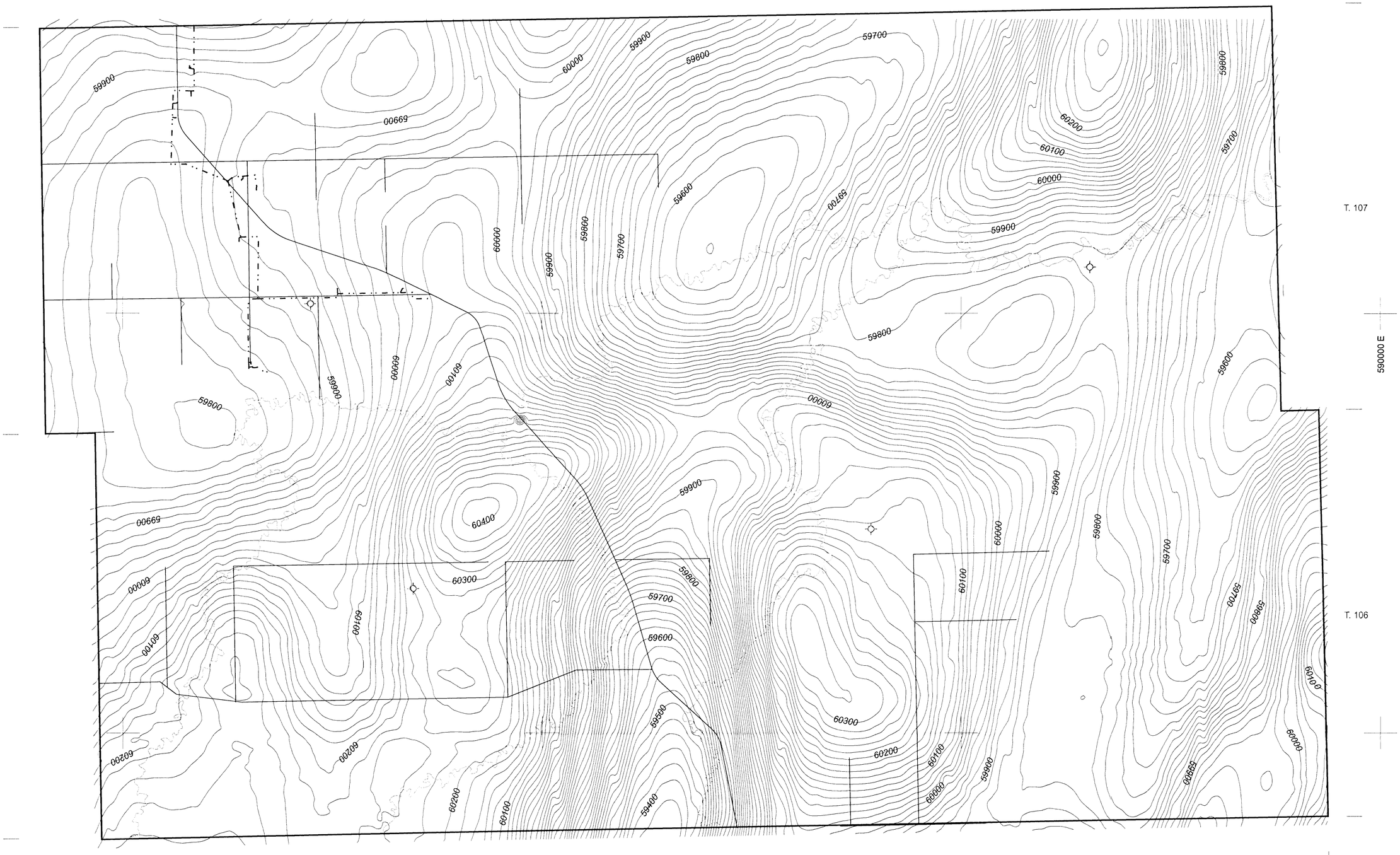
NEW CLAYMORE RESOURCES LTD.
GOLDEN BLOCK

DRAWING 04

HORSESHOE PROSPECT
AIRBORNE MAGNETIC SURVEY
TOTAL MAGNETIC FIELD CONTOURS

84 J/2, J/3, J/5, J/6

September, 1999



SYMBOLS

- Isomagnetic contour; contour interval 20 nT
- Oil or gas well
- Pipeline
- Road
- Prospect boundary

0 5

Kilometres

UTM NAD 27 Zone 11

MIN 9524

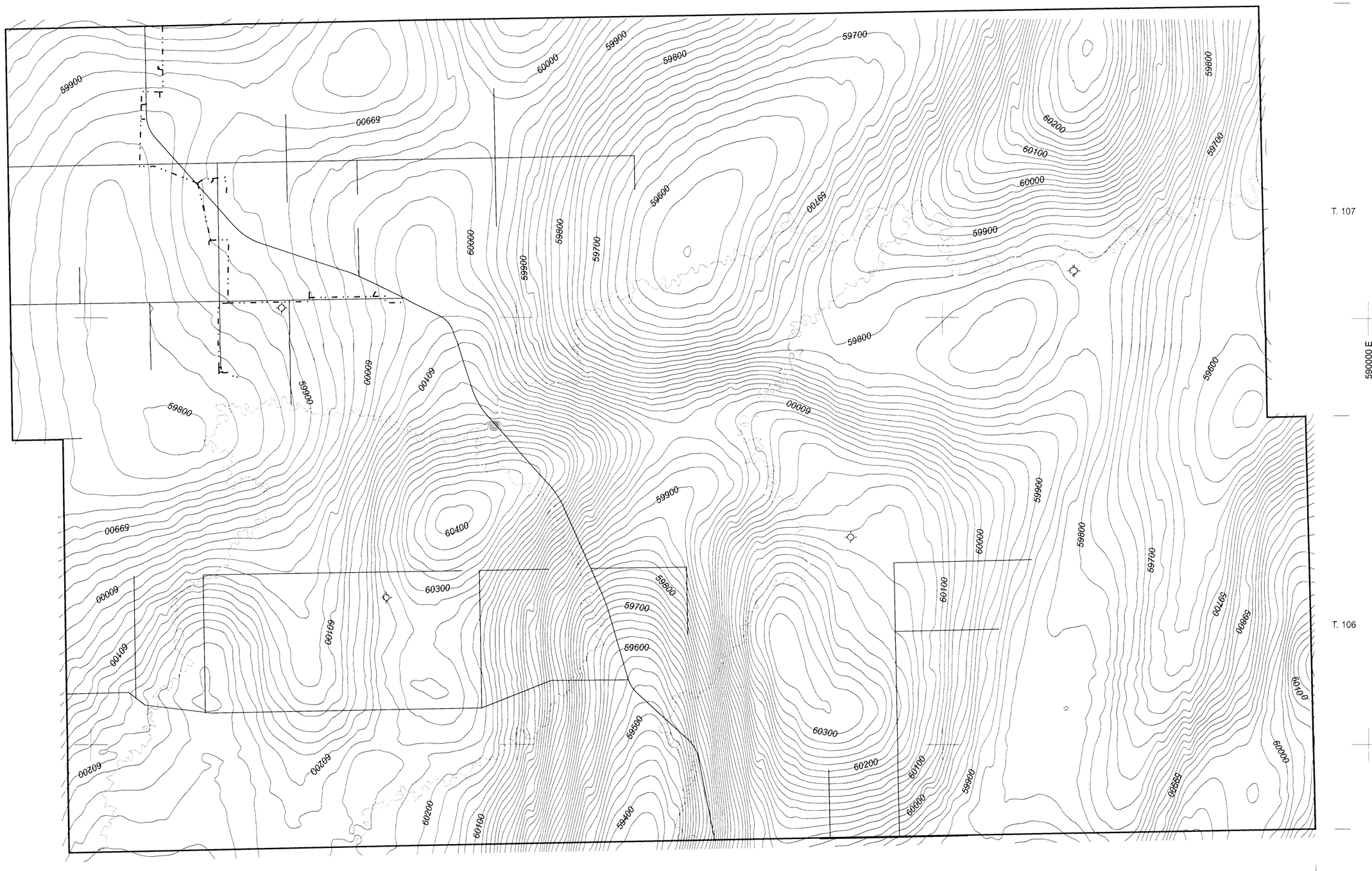
NEW CLAYMORE RESOURCES LTD.
GOLDEN BLOCK

DRAWING 03

FRICKA PROSPECT
AIRBORNE MAGNETIC SURVEY
TOTAL MAGNETIC FIELD CONTOURS

84 J/4, J/5

September, 1999



SYMBOLS

- Isomagnetic contour; contour interval 20 nT
- Oil or gas well
- Pipeline
- Road
- Prospect boundary

0 5

Kilometres

UTM NAD 27 Zone 11

MIN 9824

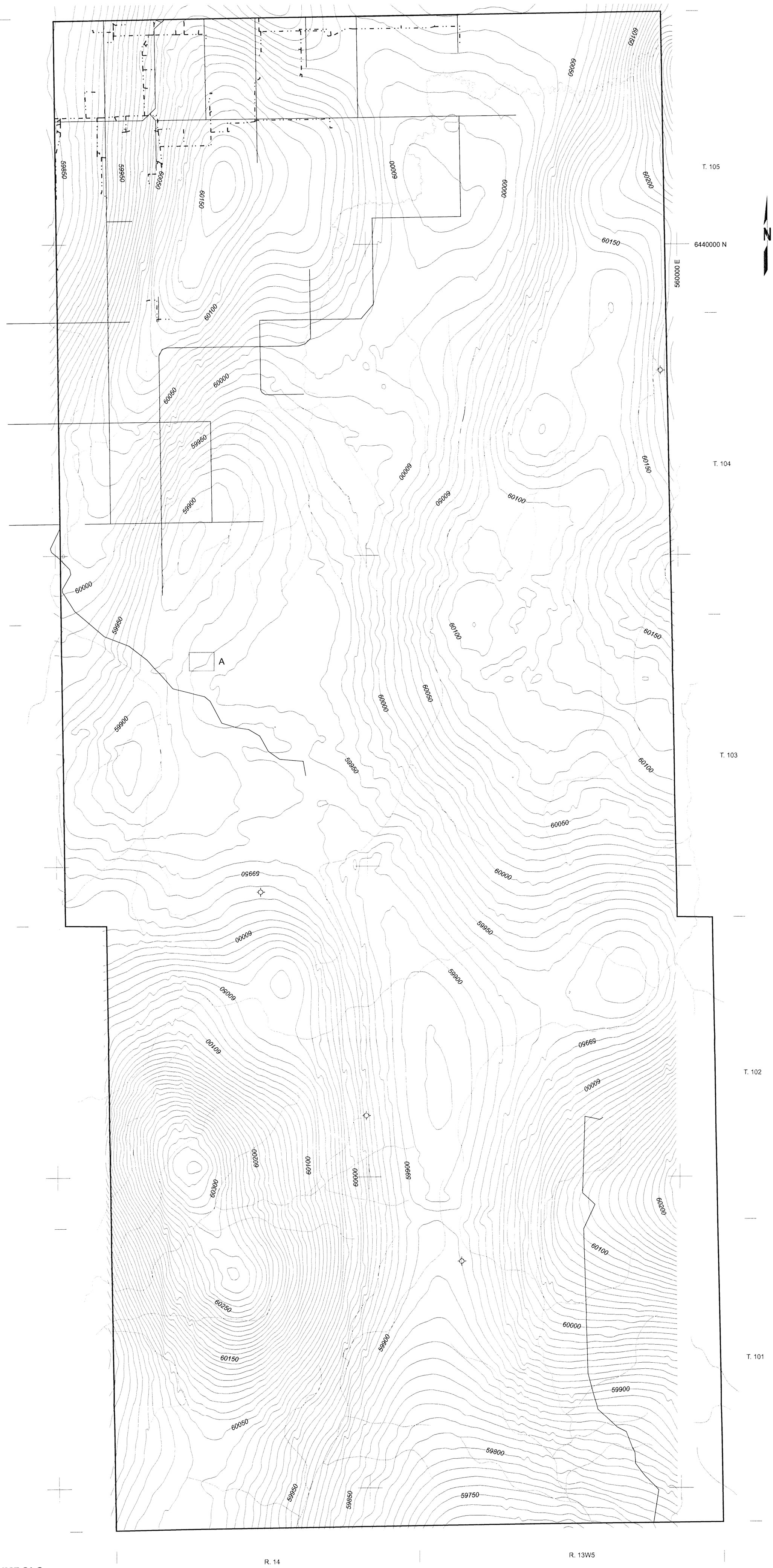
NEW CLAYMORE RESOURCES LTD.
GOLDEN BLOCK

DRAWING 03

FRICKA PROSPECT
AIRBORNE MAGNETIC SURVEY
TOTAL MAGNETIC FIELD CONTOURS

84 J/4, J/5

September, 1999



SYMBOLS

- Isomagnetic contour; contour interval 10 nT
- A — Ground magnetometer geophysical grid; identifier
- Oil or gas well
- Pipeline
- Road
- Prospect boundary

0 5

Kilometres

UTM NAD 27 Zone 11

MIN 9924

NEW CLAYMORE RESOURCES LTD.
GOLDEN BLOCK

DRAWING 02

ELEKTRA PROSPECT
AIRBORNE MAGNETIC SURVEY
TOTAL MAGNETIC FIELD CONTOURS

84 F/16, K/1

September, 1999