AN ASSESSMENT REPORT

ON

ROCK SAMPLING AND DIAMOND DRILLING

&

HELIBORNE MAGNETIC & ELECTROMAGNETIC SURVEYING

Salmo Area, B.C.
49°05'N, 1117°14'W
NTS: 82F/3

FOR

SULTAN MINERALS INC.

Vancouver, B.C.

BY

PERRY GRUNENBERG, P.GEO.

Vancouver, British Columbia

APRIL 2009

ROCK SAMPLING AND

DIAMOND DRILLING REPORT

ON THE

JERSEY-EMERALD PROPERTY, BC

INVINCIBLE CLAIM
JERSEY 6 CLAIM AND
POSIE 1 CLAM
TENURES NUMBERS 234582, 325270, 329070

NELSON MINING DIVISION, BC

MAPSHEETS: 082F.004/005/014/015

UTM COORDINATES 5438200 N and 0483500 E

for

SULTAN MINERALS INC.
1400 - 570 GRANVILLE STREET
VANCOUVER, BC
V6C 3P1

PERRY GRUNENBERG, P.Geo.
Consulting Geologist

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SUMMARY

- This report provides a summary of a single diamond drill hole and surface rock sampling program conducted in 2008 within the Invincible, Jersey 6 and Posie 1 claims, part of the Jersey-Emerald property, located near to the community of Salmo in south-eastern British Columbia.
- Sultan also participated in the funding of a Geoscience BC directed airborne survey that covered the claims. The airborne survey results have not been compiled at this date. The results of the survey will be submitted in a separate report once available.
- Diamond drilling on the Invincible claim was part of a 14-hole diamond drill program on the East Emerald Tungsten zone. The remainder of the drill holes were completed within Crown Granted claims and are not included within this report.
- The Jersey Property overlies the former Jersey and Emerald lead-zinc-silver mines and the Emerald, Dodger and Invincible tungsten mines operated by Canadian Exploration Ltd. a wholly-owned subsidiary of Placer Development Ltd. (now Placer Dome) from 1947 to 1973. Sultan Minerals Inc. also acquired a 100% ownership in the surrounding ground by staking.
- The property is located in south-eastern British Columbia centred at approximate UTM coordinates of 5438700 N and 0484000 E. The claims are located approximately ten kilometres southeast of the community of Salmo. The Jersey-Emerald Property covers an area of approximately 30 square kilometres, between the Salmo River on the west and the peak of Nevada Mountain on the east, and is bounded on the north by Sheep Creek and extends to the south past Lost Creek. The property consists of a block of 44 crown granted claims totalling 660.36 ha, and 72 mineral claims comprising 8634.5 ha, in the Nelson Mining Division.
- In 1938, tungsten and molybdenite mineralization was discovered in skarn bands at the site of the long abandoned gold workings. In 1942, the Emerald Tungsten Mine was put into production for the war effort by Wartime Metals Corp. Operations were suspended in 1943 when the war demand for tungsten eased. Tungsten concentrate was produced from four zones: the Emerald, Feeney, Invincible and Dodger deposits. Production continued until September 1973 when the mine was closed due to low metal prices and negative economic factors.
- In October of 1993, the property was optioned by Sultan Minerals Inc. Drilling resulted in the discovery of several gold bearing zones in the vicinity of both the Jersey Lead-Zinc Deposit and the Emerald Tungsten Deposit. In 1996, an exploration program consisting of soil and silt sampling, geological mapping, prospecting, rock sampling and diamond drilling was carried out on the property to better delineate mineralized areas identified to date.
- In 1996, an exploration program consisting of soil and silt sampling, geological mapping, prospecting, rock sampling and diamond drilling was carried out on the property to better delineate the mineralized areas identified by Sultan.
- Exploration on the claims was inactive until market values for molybdenum increased dramatically in 2005. Sultan Minerals conducted exploration for molybdenum and also expanded the tungsten resource on the property through a combination of infill diamond drilling and application of 3D modelling of historic and recent drill holes.

- South of Lost Creek, Westwind Mines Ltd and Benson Mines Ltd completed surface mapping and sampling and a 4 diamond drill hole program. Drilling returned narrow intersections of skarn assaying from .18% to 1.6% WO3 with accessory MoS2 from 0.02% to 0.03%.
- From 1979 to 1981, BP Minerals completed diamond drilling on the ridge south of Lost Creek. Drilling passed through a series of mineralized granite and aplite dikes or sills and ended up in a well developed but weakly mineralized hornfels. The molybdenum content of the granite and aplite dikes ranged from 100 to 470 ppm, with high fluorine (up to 5600 ppm), zinc (up to 3200 ppm), tungsten (up to 240 ppm) and copper (up to 140 ppm), found to be associated with a zone of pegmatite and best grades obtained to date are in the zone of dikes in 80-2 including 79 m of 121 ppm Mo (0.023 MoS2).
- In 2008, Sultan Minerals Inc completed a program of diamond drilling over the Emerald and East Emerald target areas. A single drill hole, hole ES0803 was recorded for work on the Invincible claim. This drill hole was designed to test for tungsten mineralization within the East Emerald target zone. Elevated tungsten values up to 2,340 ppm W are associated with skarny limestone sections, typical of the East Emerald style of mineralization.
- In 2008, prospecting and rock sampling was conducted within the Lost Creek drainage and along the ridges south of Lost Creek. A total of 12 rock samples were obtained for analysis during this part of the program. These returned elevated values of molybdenum, tungsten, and zinc consistent with values reported from historic trenching and drilling on the property.
- Further work is recommended in both East Emerald and the Posie-Wilson Creek areas of the property.

1.0) INTRODUCTION

This report provides a summary of a single hole diamond drill program conducted within the Invincible mineral claim, and prospecting with rock sampling on the Jersey 6 and Posie 1 claims, all within the Jersey-Emerald property, located near to the community of Salmo in south-eastern British Columbia. The single drill hole (hole ES08-03) was part of a larger drill program that was conducted in 2008. Other drill holes in the program were within Crown Granted claims and are not part of this assessment report.

2.0) PROPERTY DESCRIPTION AND LOCATION

The property is located in south-eastern British Columbia centred at approximate UTM coordinates of 5438700 N and 0484000 E (see Figure 1). The claims are covered by UTM map-sheets 082F004, 005, 014, and 015 within the Nelson Mining Division. The claims are located approximately ten kilometres southeast of the community of Salmo (see Figure 2). The Jersey-Emerald Property covers an area of approximately 30 square kilometres, between the Salmo River on the west and the peak of Nevada Mountain on the east, and is bounded on the north by Sheep Creek and extends to the south across Lost Creek.

The property consists of a block of 44 crown granted claims (see Table 1) totalling 660.36 ha, and 72 mineral claims (see Table 2) comprising 8634.5 ha, in the Nelson Mining Division (see Figure 2). The highlighted claims in the following table are those that have recorded work for 2008 covered in this report.

Table 1
CROWN GRANTED MINERAL CLAIMS

TYPE	CLAIM NAME	TENURE	AREA (ha)
CG	BIG DICK	L 14882	18.790
CG	BRUCE FRACTION	L 14890	1.620
CG	CALCITE	L 14763	9.430
CG	COMET	L 14761	14.420
CG	CONTACT	L 14762	14.860
CG	COPPERFIELD	L 14904	16.610
CG	DODGER	L 12083	19.540
CG	EMERAL	L 9073	20.900
CG	EMERALD FRACTIONAL	L 9074	16.890
CG	GOLD STANDARD	L 9071	20.900
CG	HAL NO. 1	L 15020	20.510
CG	HAL NO. 2	L 15021	20.520
CG	HILLSIDE	L 14881	14.040
CG	JERSEY	L 9070	17.820
CG	KING ALFRED	L 3368	19.270
CG	KING SOLOMAN	L 3369	8.480

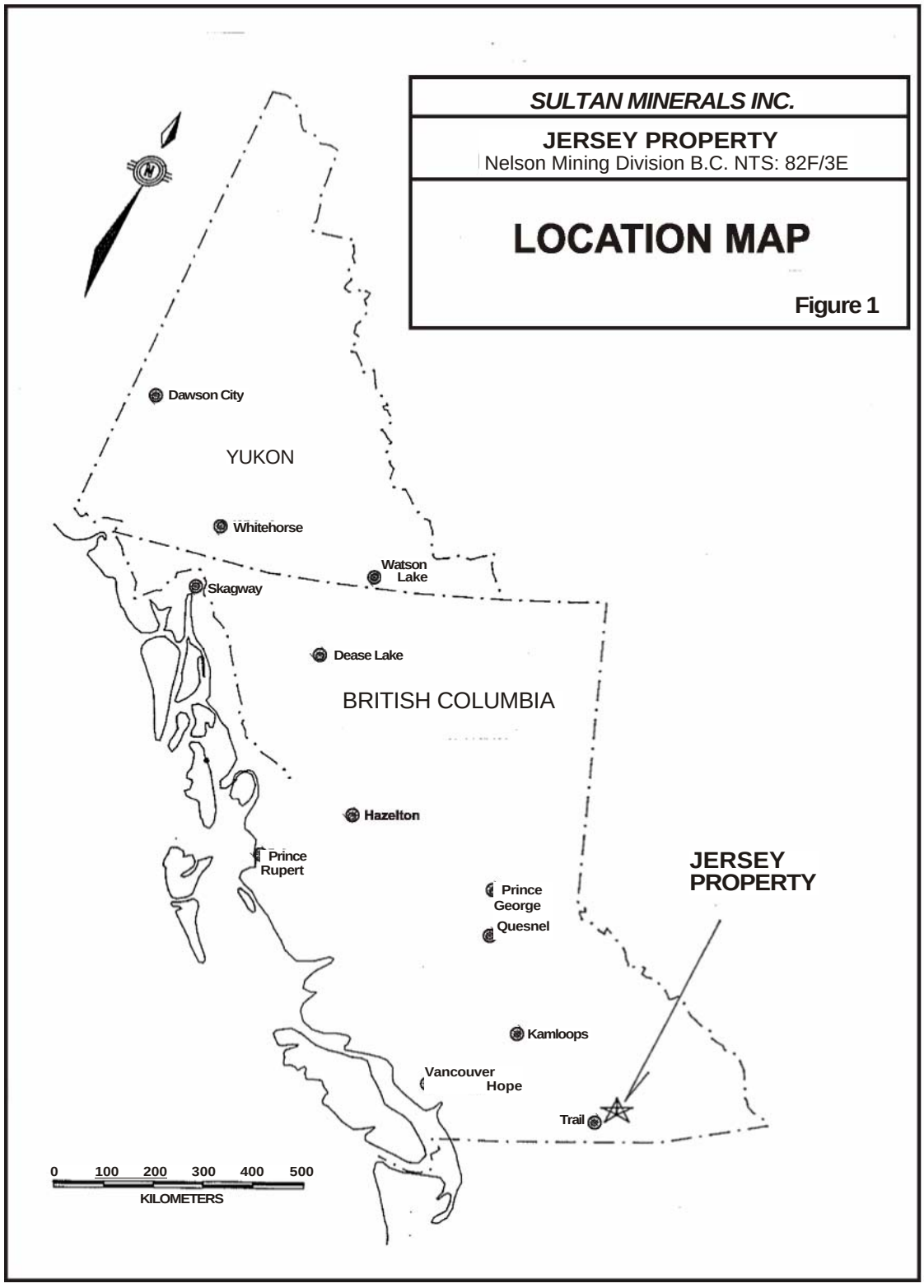
CG	LAST CHANCE	L 12116	20.020
CG	MARK TAPLEY	L 12117	18.730
CG	MORNING	L 9075	8.940
CG	PICKWICK	L 12087	18.490
CG	REX FRACTION	L 14889	4.160
CG	ROYAL CANADIAN	L 12115	15.970
CG	SCOTT FRACTION	L 14765	16.490
CG	STAN FRACTION	L 14764	1.450
CG	STANDARD FRACTIONL	L 9072	5.360
CG	SUNSHINE	L 9076	18.790
CG	SUNSHINE NO. 2	L 15033	13.970
CG	VICTOR FRACTION	L 14888	15.480
CG	BONCHER	L 12686	20.900
CG	JUMBO 2	L 12688	18.320
CG	ALFIE	L 15091	20.900
CG	DEN #1 FR	L 15041	20.890
CG	DEN FR	L 15040	13.740
CG	MASTADON	L 1070	20.900
CG	NELLIE J	L 1071	20.900
CG	TUNGSTEN KING	L 15092	15.870
CG	TUNGSTEN KING #1	L 15094	17.180
CG	TUNGSTEN KING #1FR	L 14766	18.280
CG	TUNGSTEN KING #2	L 15093	3.830
CG	TUNGSTEN KING #3	L 15095	11.490
CG	TUNGSTEN KING #4	L 15096	10.140
CG	TUNGSTEN KING #5	L 15097	9.160
CG	TUNGSTEN KING #7	L 15098	18.660
CG	TUNGSTEN KING #8FR	L 15099	6.750
		Total	**660.360**

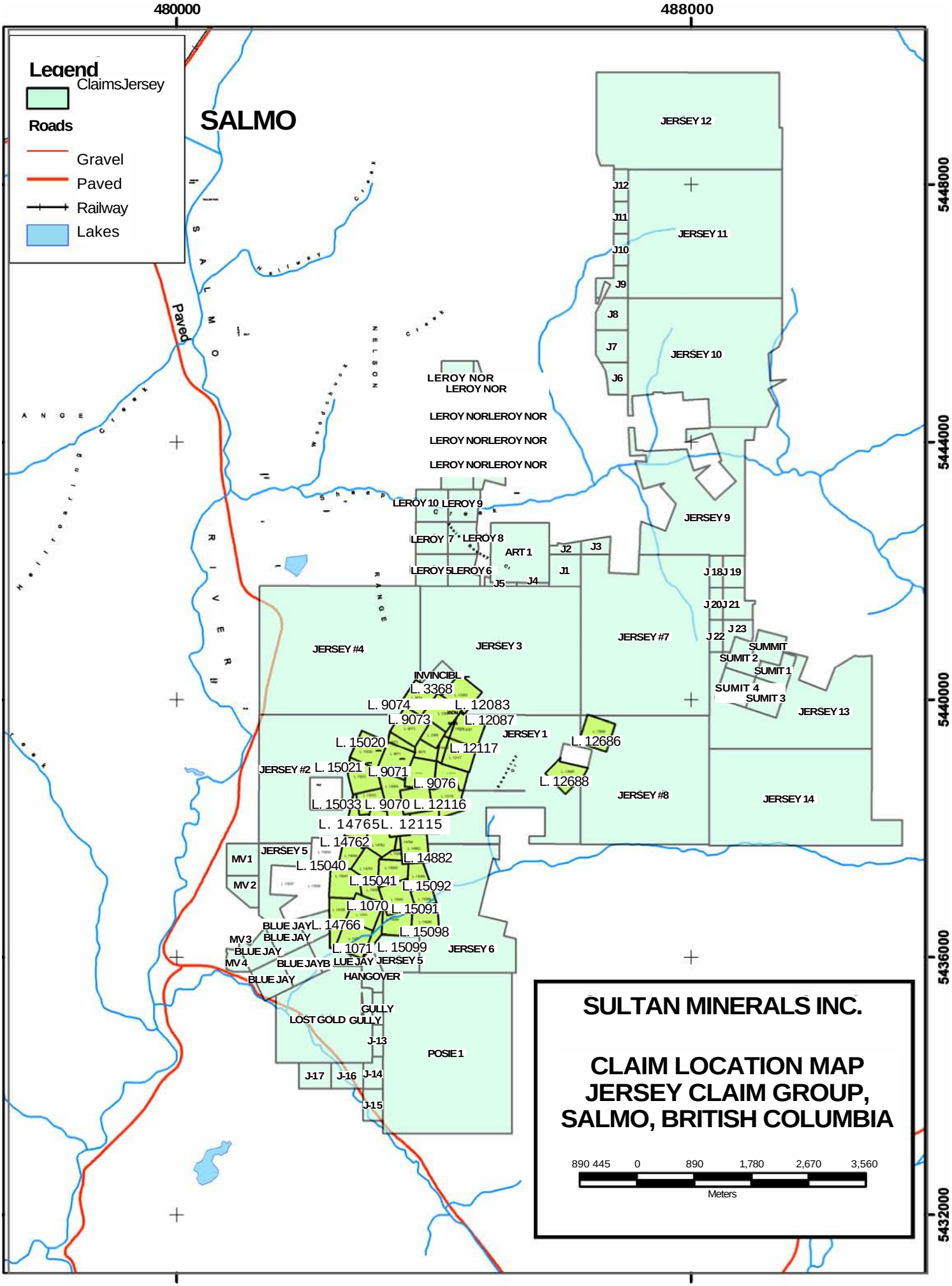
Table 2
LOCATED MINERAL CLAIMS

Tenure Number	Tenure Type	Claim Name	Map Number	Good To Date	Area (ha)
233462	RGC	SUMMIT	082F015	2009/DEC/27	25.0
234582	RGC	INVINCIBLE	082F014	2011/MAR/15	25.0
318816	Mineral	JERSEY #4	082F014	2009/DEC/27	500.0
318817	Mineral	JERSEY #2	082F014	2009/DEC/27	500.0
319025	Mineral	JERSEY 1	082F014	2009/DEC/27	500.0
319026	Mineral	JERSEY 3	082F014	2009/DEC/27	500.0
322324	Mineral	BLUE JAY 1	082F004	2009/DEC/27	25.0
322325	Mineral	BLUE JAY 2	082F004	2009/DEC/27	25.0
322326	Mineral	BLUE JAY 3	082F004	2009/DEC/27	25.0
322327	Mineral	BLUE JAY 4	082F004	2009/DEC/27	25.0
322328	Mineral	BLUE JAY #5	082F004	2009/DEC/27	25.0
322329	Mineral	BLUE JAY 6	082F004	2009/DEC/27	25.0
322859	Mineral	LEROY 5	082F014	2009/DEC/27	25.0

322860	Mineral	LEROY 6	082F014	2009/DEC/27	25.0
322861	Mineral	LEROY 7	082F014	2009/DEC/27	25.0
322862	Mineral	LEROY 8	082F014	2009/DEC/27	25.0
324439	Mineral	LOST GOLD	082F004	2009/DEC/27	225.0
325259	Mineral	MV 1	082F004	2009/DEC/27	25.0
325260	Mineral	MV 2	082F004	2009/DEC/27	25.0
325261	Mineral	MV 3	082F004	2009/DEC/27	25.0
325262	Mineral	MV 4	082F004	2009/DEC/27	25.0
325269	Mineral	JERSEY 5	082F004	2009/DEC/27	500.0
325270	Mineral	JERSEY 6	082F004	2009/DEC/27	300.0
329070	Mineral	POSIE 1	082F004	2010/DEC/27	500.0
330364	Mineral	LEROY 9	082F014	2009/DEC/27	25.0
330365	Mineral	LEROY 10	082F014	2009/DEC/27	25.0
330366	Mineral	LEROY NORTH 1	082F014	2010/DEC/27	25.0
330367	Mineral	LEROY NORTH 2	082F014	2010/DEC/27	25.0
330368	Mineral	LEROY NORTH 3	082F014	2010/DEC/27	25.0
330369	Mineral	LEROY NORTH 4	082F014	2010/DEC/27	25.0
330370	Mineral	LEROY NORTH 5	082F014	2010/DEC/27	25.0
330371	Mineral	LEROY NORTH 6	082F014	2010/DEC/27	25.0
330372	Mineral	LEROY NORTH 7	082F014	2010/DEC/27	25.0
330373	Mineral	LEROY NORTH 8	082F014	2010/DEC/27	25.0
331985	Mineral	HANGOVER	082F004	2009/DEC/27	25.0
331986	Mineral	GULLY	082F004	2009/DEC/27	25.0
342202	Mineral	JERSEY #7	082F015	2009/DEC/27	500.0
342203	Mineral	JERSEY #8	082F015	2009/DEC/27	400.0
347849	Mineral	SUMIT 1	082F015	2009/DEC/27	25.0
347850	Mineral	SUMIT 2	082F015	2009/DEC/27	25.0
347851	Mineral	SUMIT 3	082F015	2009/DEC/27	25.0
347852	Mineral	SUMIT 4	082F015	2009/DEC/27	25.0
348168	Mineral	J1	082F015	2007/DEC/27	25.0
348169	Mineral	J2	082F015	2007/DEC/27	25.0
348170	Mineral	J3	082F015	2007/DEC/27	25.0
348171	Mineral	J4	082F015	2007/DEC/27	25.0
348172	Mineral	J5	082F014	2007/DEC/27	25.0
348173	Mineral	J6	082F015	2009/DEC/27	25.0
348174	Mineral	J7	082F015	2009/DEC/27	25.0
348175	Mineral	J8	082F015	2009/DEC/27	25.0
348176	Mineral	J9	082F015	2009/DEC/27	25.0
348177	Mineral	J10	082F015	2009/DEC/27	25.0
348178	Mineral	J11	082F015	2009/DEC/27	25.0
348179	Mineral	J12	082F015	2009/DEC/27	25.0
348180	Mineral	JERSEY 9	082F015	2009/DEC/27	400.0
348181	Mineral	JERSEY 10	082F015	2009/DEC/27	500.0
348182	Mineral	JERSEY 11	082F015	2009/DEC/27	500.0
348183	Mineral	JERSEY 12	082F015	2009/DEC/27	450.0
349449	Mineral	J-13	082F004	2009/DEC/27	25.0
349450	Mineral	J-14	082F004	2009/DEC/27	25.0
349451	Mineral	J-15	082F004	2009/DEC/27	25.0

349452	Mineral	J-16	082F004	2009/DEC/27	25.0
349453	Mineral	J-17	082F004	2009/DEC/27	25.0
349901	Mineral	JERSEY 13	082F015	2009/DEC/27	450.0
349902	Mineral	JERSEY 14	082F015	2009/DEC/27	450.0
349903	Mineral	J 18	082F015	2009/DEC/27	25.0
349904	Mineral	J 19	082F015	2009/DEC/27	25.0
349905	Mineral	J 20	082F015	2009/DEC/27	25.0
349906	Mineral	J 21	082F015	2009/DEC/27	25.0
349907	Mineral	J 22	082F015	2009/DEC/27	25.0
349908	Mineral	J 23	082F015	2009/DEC/27	25.0
518176	Mineral	ART 1	082F	2007/JUL/22	84.5
				TOTAL	8634.54


SULTAN MINERALS INC.
JERSEY PROPERTY
Nelson Mining Division B.C. NTS: 82F/3E
LOCATION MAP
Figure 1
Dawson City
YUKON
Whitehorse
Watson Lake
Skagway
Dease Lake
BRITISH COLUMBIA
Hazelton
Prince Rupert
Prince George
Quesnel
JERSEY PROPERTY
Kamloops
Vancouver
Hope
Trail
0 100 200 300 400 500
KILOMETERS


480000
488000
5448000
5444000
5440000
5436000
5432000
Legend
ClaimsJersey
Roads
Gravel
Paved
Railway
Lakes
SALMO
Paved
JERSEY 12
J12
J11
JERSEY 11
J10
J9
J8
J7
JERSEY 10
J6
LEROY NOR
LEROY NOR
LEROY NORLEROY NOR
LEROY NORLEROY NOR
LEROY NORLEROY NOR
LEROY 10
LEROY 9
JERSEY 9
LEROY 7
LEROY 8
ART 1
J2
J3
LEROY 5
LEROY 6
J1
J5
J4
J 18
J 19
J 20
J 21
J 22
J 23
JERSEY #4
JERSEY 3
JERSEY #7
SUMMIT
SUMIT 2
SUMIT 1
SUMIT 4
SUMIT 3
JERSEY 13
INVINCIBL
L. 3368
L. 9074
L. 12083
L. 9073
L. 12087
JERSEY 1
L. 15020
L. 12117
L. 12686
JERSEY #2
L. 15021
L. 9071
L. 9076
L. 12688
JERSEY #8
JERSEY 14
L. 15033
L. 9070
L. 12116
L. 14765
L. 12115
L. 14762
JERSEY 5
MV1
L. 14882
L. 15040
MV 2
L. 15041
L. 15092
L. 1070
L. 15091
BLUE JAY
L. 14766
L. 15098
MV 3
BLUE JAY
BLUE JAY
L. 1071
L. 15099
JERSEY 6
MV 4
BLUE JAY
BLUE JAY
LUE JAY
JERSEY 5
BLUE JAY
HANGOVER
GULLY
LOST GOLD
GULLY
J-13
POSIE 1
J-17
J-16
J-14
J-15
SULTAN MINERALS INC.
CLAIM LOCATION MAP
JERSEY CLAIM GROUP,
SALMO, BRITISH COLUMBIA
890 445 0 890 1,780 2,670 3,560
Meters

In October of 1993, the Company entered into an option agreement with Lloyd Addie and Robert Bourdon, whereby the Issuer acquired an option to purchase a 100% interest in the Jersey Claim Group near Salmo, British Columbia. The claims overlie the former Jersey and Emerald lead, zinc and tungsten mines operated by Placer Dome from 1947 to 1973.

The property is subject to an advance royalty payment that was postponed, and is to commence in 2009. In consideration of postponement, 400,000 common shares were issued to the royalty holders.

In May 2005, the Company entered into a purchase agreement to acquire the Invincible Tungsten Mine property, covering an area of 25 hectares. The property is subject to a 2% Net Smelter Return royalty ("NSR"), which Sultan may, at its discretion, reduce to a 0.5% NSR by the payment of $150,000 to the Seller after the completion of a positive feasibility study; and an Annual Advance Royalty Payment of $3,000, which will commence in year 2010. The Invincible Mine property is located within the Jersey Emerald property boundary.

The property has been expanded by staking, optioning and purchasing additional claims and now includes 47 crown granted mineral claims, 60 two-post claims and 278 mineral units in 15 four-post claims.

There are no other pre-production royalties, back-in rights or other agreements or encumbrances to these claims with respect to Sultan's option right to them known to the author. There are no environmental liabilities existing on the property.

3.0) ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

Access to the Jersey-Emerald Property is via Highway 6 between the town of Salmo and the Highway 3 junction to Creston (see Figure 3). A network of good quality, gravel mine roads provide excellent access to the centre of the property from Highway 6, which is situated along the west edge of the property. The group of claims within the southern portion of the property are accessed from the Lost Creek access road, and from existing logging and mineral exploration 4X4 roads that junction with Highway 3, approximately 16 kilometres south of Salmo, BC.

Salmo enjoys a pleasant summer climate with August temperatures averaging 25^{o}C and moderate precipitation. Winter temperatures average -10^{o}C in January with moderate snowfall. Total annual precipitation is on the order of 750 millimetres of moisture with much of this falling during the rainy season from April to June. The property is not in a heavy snow belt but up to four feet or more can be expected at the mine site during the winter months. Snow free conditions at higher elevations can be expected from late April to early November. Access to the property can be attained for year-round exploration.

The Highway 6 corridor carries a power line and rail bed. Teck Cominco Trail Smelter facility is located about 45 minutes drive south of the property. Crew lodgings are available in Nelson or Salmo. A skilled labour force for mining and exploration is available in Nelson, Salmo, Trail and Castlegar. Trail, Nelson and Castlegar are also major supply and service centres for resource industries.

The property is situated in the rugged mountainous physiographic division known as the Selkirk Mountains. In the vicinity of the claims relief is on the order of 1200 metres (4000 feet) between Salmo Creek in the valley bottom at 600 metres (2000 feet) and the crest of Nevada Mountain at 1860 metres (6100 feet). Slopes vary from rolling within the centre of the claims to moderately steep along the east and west margins. Preliminary inspection of topography indicates that there are numerous areas for development of infrastructure required for mining and milling within the claims.

Much of the area has been logged or burned previously and vegetation consists of small diameter stands of larch, balsam, fir, jackpine and mountain alder. In many areas second growth vegetation is extremely dense making movement through the forest difficult. Several areas of extensive outcrop occur over and immediately north of the Jersey mine site but much of the property is covered by a veneer of glacial till. Till cover varies in thickness, from less than one metre on the slopes to more than 20 metres in valley bottoms.

4.0) HISTORY

Jersey-Emerald Mine Area

The earliest record of exploration in the area dates to 1895 when gossanous outcrops on the south side of Iron Mountain attracted the attention of prospectors. The area was initially explored for gold and the 1896 Minister of Mines Report states that assays as high as $70.00 per ton in gold (about 3.5 oz/t or 100 g/t) were obtained from the area.

Prospecting continued and in 1906 lead mineralization was discovered on the Emerald claims. Several small, high grade ore shipments were made and in 1910 Iron Mountain Ltd. was formed by Pacific Coast Steel of San Francisco to develop the property. A 25 ton mill was erected in 1919 and operated until 1926 when low metal prices forced closure. In 1934 the mill was destroyed by a major forest fire.

In 1938, tungsten and molybdenite mineralization was discovered in skarn bands at the site of the long abandoned gold workings on the Emaral, Emerald Fraction and Gold Standard claims. In 1942, the Emerald Tungsten Mine was put into production for the war effort by Wartime Metals Corp., a Federal Government Agency. Operations were suspended in 1943 when the war demand for tungsten eased.

The property remained inactive until 1947 when Canadian Exploration Ltd. (later Placer Dome Ltd.) purchased the property of Iron Mountain Ltd. Placer Dome eventually purchased the government held tungsten reserves and tungsten mill in 1952. Tungsten production recommenced in 1947 and lead-zinc production began in 1949. Lead-zinc concentrate was produced from two zones: the Jersey and the Emerald Lead-Zinc Deposits. Tungsten concentrate was produced from four zones: the Emerald, Feeney, Invincible and Dodger deposits. Production continued until September 1973 when the mine was closed due to low metal prices and depleted lead, zinc and tungsten reserves. Over the mine life 7,968,080 tons of lead-zinc ore grading 1.95% Pb and 3.83% Zn, and 1,597,802 tons of tungsten ore grading 0.76% WO_3 were mined and milled.

In 1979 Mentor Exploration Ltd carried out a diamond drill program to explore the south extension of the Emerald Shaft tungsten zone. This work encountered favourable geology but the target zone was found to be too deep and too narrow to be adequately tested by surface drilling.

In 1981 Mentor Exploration Ltd completed a five hole diamond drill program totalling 1,070 metres to test for molybdenum mineralization in the Emerald stock area. This work provided valuable information on the nature of the intrusive in this area, being the deepest testing carried out to that time. However, no economic zones of molybdenite were encountered.

In 1990, the property was sold to Nu-Dawn Resources Inc. who in 1993 sold it to Lloyd Addie and Bob Bourdon, both of Nelson, B.C. In 1993, Addie and Bourdon found that fine particles of free gold could be panned from the tungsten tailings. A prospecting and lithogeochemical sampling program was therefore initiated over the known tungsten zones. This work lead to the discovery of significant bedrock gold values in the vicinity of the Jersey and Emerald zones.

sampling. This work led to the identification of several targets believed to have potential for gold mineralization.

During the winter of 1994-95 an eleven hole (1,324 metres) diamond drill program was undertaken by Sultan to follow up targets identified by the previous work. Drilling resulted in the discovery of several gold bearing zones in the vicinity of both the Jersey Lead-Zinc Deposit and the Emerald Tungsten Deposit. The drilling also intersected a lead-zinc zone situated 55 metres below the former Jersey Lead-Zinc Deposit.

In 1996, an exploration program consisting of soil and silt sampling, geological mapping, prospecting, rock sampling and diamond drilling was carried out on the property to better delineate the mineralized areas identified by Sultan. A total of 3 underground and 13 surface diamond drill holes were completed for a total of 1,707 metres. Drilling was designed to test the gold potential of the Bismuth-Gold zone, Emerald Gold zone, Leroy Gold zone and the lower lead-zinc horizon. Three drill holes were completed to the east of the mine area to test an anomalous multi-element geochemical zone delineated from surface exploration, called the East Ridge zone.

Exploration on the claims was inactive until market values for molybdenum increased dramatically in 2005. With the improved molybdenum prices, Sultan Minerals conducted exploration for molybdenum focussing on the Dodger Mine area where mine records indicated the presence of molybdenite. Sultan also expanded the tungsten resource on the property through a combination of infill diamond drilling and application of 3D modelling of historic and recent drill holes, resulting in tonnage-grade estimations.

Posie Claim Area

The Molly Mine, located adjacent to the Jersey 6 and Posie 1 claims, is owned by Cominco. The mine operated from 1914-19 17 and produced 25,000 pounds of molybdenite concentrate. Tungsten as scheelite, in association with molybdenite, was discovered in 1952 by J. Gallo. Trenching was initiated over a wide area of the Molly claims, and on ground currently covered by the Jersey 6 and Posie 1 claims.

The mineral tenures south of Lost Creek have not been as extensively explored as the area surrounding the Jersey-Emerald Mines. In 1977 and 1978, Westwind Mines Ltd and Benson Mines Ltd completed surface mapping and sampling and a 4 diamond drill hole program. This program tested for tungsten along the ridges south of Lost Creek, where historic trenching exposed tungsten mineralization. Benson also tested for the extension of tungsten and molybdenum mineralization cut by a short adit adjacent to Lost Creek. Drilling returned narrow intersections of skarn assaying from .18% to 1.6% WO3 with accessory MoS2 from 0.02% to 0.03%.

BP Minerals optioned the M.U.T. claims from Benson Mines in 1979. Geological mapping was completed at a scale of 1:5,000 and 1,175 soil samples were collected on grid. Ground magnetometer, scintillometer, and E.M.- 16 surveys were also completed on the grid. BP Minerals completed a 3-hole

diamond drill program on the ridge south of Lost Creek, intersecting granite at depth. Two of these holes stopped short of the target depth due to drilling problems. BP recommended further drilling in

the area of hole 80-2 to locate a sizable mineralized intrusion, indicated to lie beneath the ridge. The target model is a Mo-W porphyry system.

In 1981 BP completed a program of 461 metres of diamond drilling in four holes on the claims. The purpose of this work was to locate a possible porphyry molybdenum-tungsten deposit which is inferred to be at depth. Drill hole M 80-2 was deepened from 233 to 269 metres where drilling problems were encountered. The hole passed through a series of mineralized granite and aplite dikes or sills and ended up in a well developed but weakly mineralized hornfels. Drill holes M 81-1 and M 81-2 were collared 108 metres southwest of 80-2. The holes were abandoned at 72 and 65 metres respectively because of caving problems. Drill hole M 81-3 was drilled near 80-1. The hole encountered a similar weakly mineralized hornfels zone below a depth of 70 metres and a similar but less abundant series of aplite sills. The molybdenum content of the granite and aplite dikes in M 80-2 and skarns in holes M 81-3 ranged from 100 to 470 ppm, with high fluorine (up to 5600 ppm), zinc (up to 3200 ppm), tungsten (up to 240 ppm) and copper (up to 140 ppm), found to be associated with a zone of pegmatite dikelets containing fluorite, sphalerite and pyrrhotite between 72 and 155 metres in DDH M 81-3. Best grades obtained to date are in the zone of dikes in 8 0-2 including 79 m of 121 ppm Mo (0.023 MoS2).

In spite of the low grade molybdenum values obtained in this drilling, BP concluded that the exploration potential for a porphyry molybdenum- tungsten deposit remains good. Widespread high values of molybdenum, tungsten, fluorine, zinc and silver on surface, erratic hydrothermal alteration (biotite, siliceous and calcsilicate hornfelses) and weak quartz-molybdenite vein stockworks all suggest a large hydrothermal system. Drilling has been confined to a relatively small area. Further drilling at wider-spaced intervals was warranted.

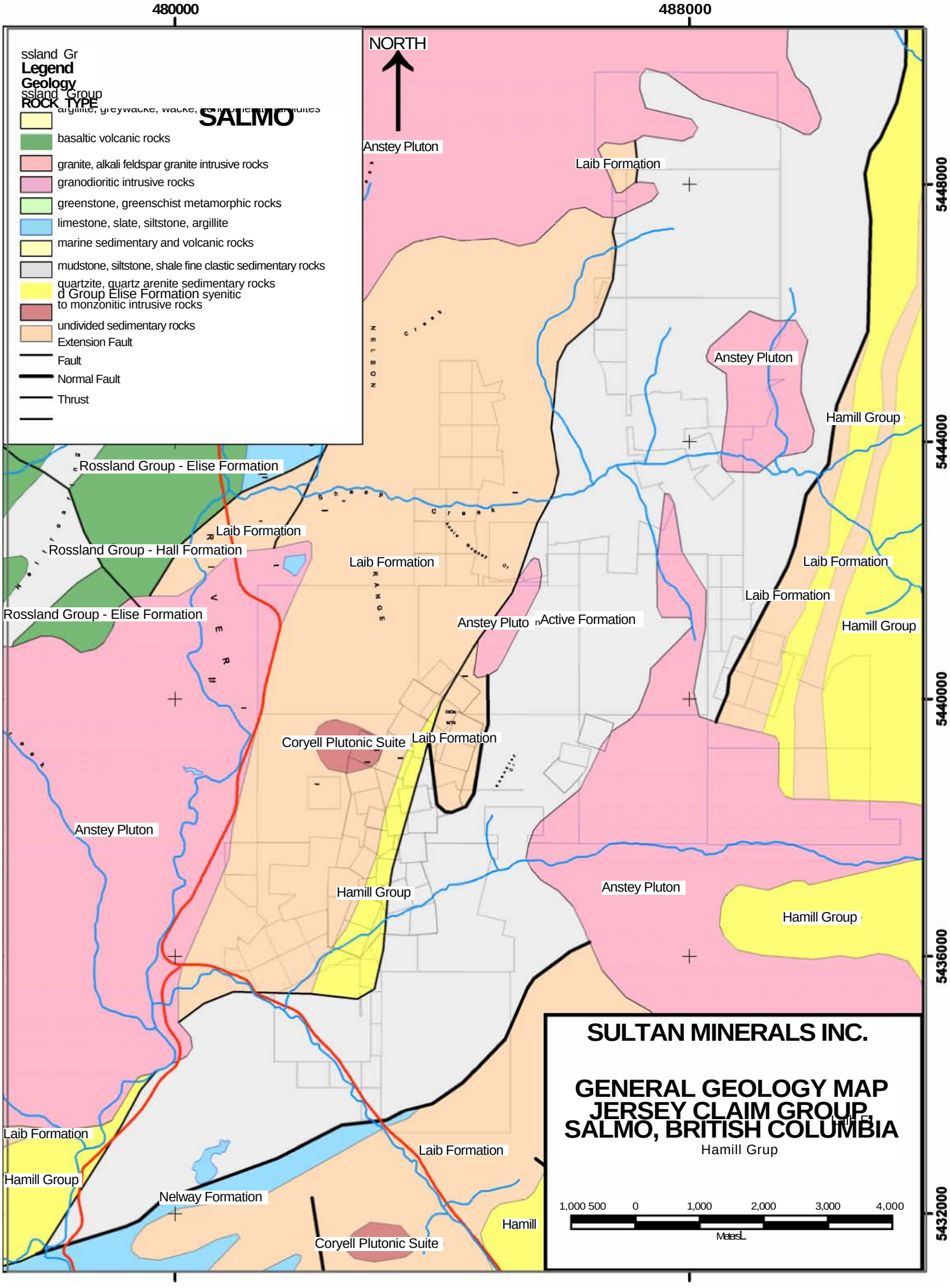
In the mid to late 1990's, Sultan Minerals Inc completed soil sampling of grids placed over prospective ground on trend with the Jersey deposits, including coverage to the south of Lost Creek (Wilson Creek grid). The results of this sampling indicated elevated zinc and tungsten over a significant area of the ridge between Lost Creek and Wilson Creek.

5.0) GEOLOGICAL SETTING

5.1 Regional Geology

The Jersey Emerald property lies near the south end of the Kootenay Arc and is underlain by rocks of the Cambrian Laib Formation (CmL) and the Ordovician Active Formation (OA). The Laib Formation is comprised of mixed carbonates and pelites that have been subdivided into the Truman Member brown argillites, the Emerald Member black argillites and the Reeves Member limestones (see Figure 4).

The eastern part of the property has historically been mapped as a much younger (Ordovician) Active argillite, however recent work by the Company indicates that the contact may in fact be conformable and that the Active Formation appears to be geochemically identical to the Laib Formation Emerald Member black argillites.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ROCK TYPE
basaltic volcanic rocks
granite, alkali feldspar granite intrusive rocks
granodioritic intrusive rocks
greenstone, greenschist metamorphic rocks
limestone, slate, siltstone, argillite
marine sedimentary and volcanic rocks
mudstone, siltstone, shale fine clastic sedimentary rocks
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d Group Elise Formation syenitic to monzonitic intrusive rocks
undivided sedimentary rocks
Extension Fault
Fault
Normal Fault
Thrust
Anstey Pluton
Laib Formation
Anstey Pluton
Hamill Group
Rossland Group - Elise Formation
Laib Formation
Rossland Group - Hall Formation
Laib Formation
Laib Formation
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Anstey Pluto nActive Formation
Hamill Group
Coryell Plutonic Suite
Laib Formation
Anstey Pluton
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Anstey Pluton
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Laib Formation
Laib Formation
Hamill Group
Nelway Formation
Hamill
Coryell Plutonic Suite
SULTAN MINERALS INC.
GENERAL GEOLOGY MAP
JERSEY CLAIM GROUP,
SALMO, BRITISH COLUMBIA
Hamill Grup
1,000 500 0 1,000 2,000 3,000 4,000
Meters

The sedimentary formations are intruded by granitic dykes, sills and bodies mapped as Cretaceous Granite (Hoy and Dunne, 1997).

5.2 Local Geology

Jersey-Emerald Mine Area

The Jersey-Emerald mine area is underlain by rocks of the Cambrian Laib Formation. This is a sequence of transitional rocks comprised of mixed carbonates and pelites (Little, 1960). In the vicinity of the property the Laib Formation has been further subdivided into the Truman Member, comprised of interbedded thin grey and white, locally dolomitic limestone; the Emerald Member, a black argillite unit; and the Upper Laib Formation, comprised of green phyllite and micaceous quartzites.

The sedimentary rocks are intruded by small plugs, dykes and sills of Cretaceous granite. The sedimentary rocks that are in contact with the granitic bodies are typically skarnified, resulting in a variety of skarn rocks ranging from re-crystallized coarse grained marble to garnet-pyroxene bearing skarn.

The Laib Formation has been deformed by three phases of folding all at least of local significance. Within the mine area structure is dominated by a major north-northeast trending anticline known locally as the Jersey anticline.

Three small stock-like bodies of Cretaceous biotite granite, elongate parallel with the local foliation, intrude the Jersey anticline and locally cut the ore-zones near the Jersey mine. From south to north these are the Jersey, Emerald and Dodger stocks. Potassium-argon age dates obtained from biotite from the Dodger stock give a date of 100.0 +/- 3.0 million years. One kilometre west of the Jersey mine the Laib sediments are intruded by a small circular body of Tertiary, augite monzonite referred to as the Salmo River stock. Biotite from this stock gave a potassium-argon age of 50.6 +/- 1.5 million years.

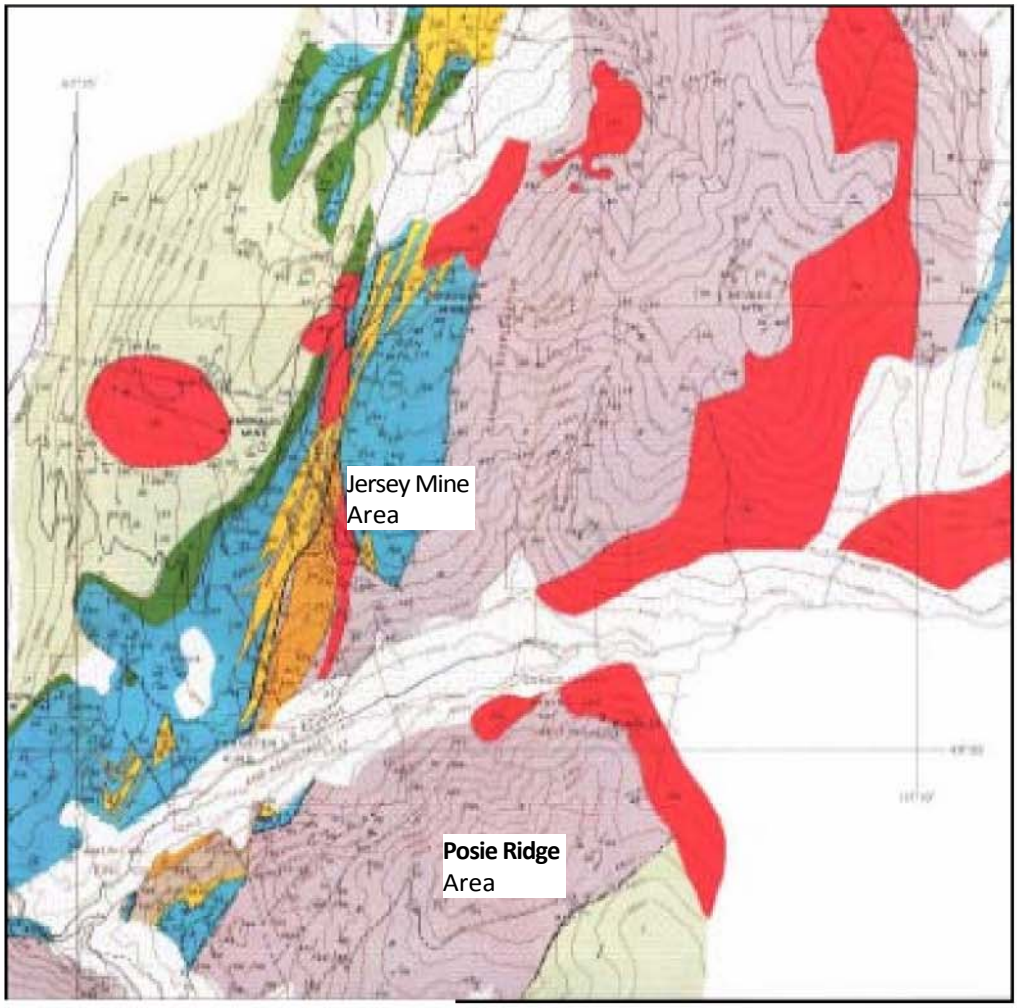


Figure 4 – Property Scale Geology
(from Bulletin 41, Fyles and Hewlett)

Posie Claim Area

The ridge between Lost Creek and Wilson Creek is underlain by argillite, phyllite, slate, and limestone of the Cambrian Laib Formation and Ordovician Active Formation. Granite of the Lost Creek stock, presumably related to the Nelson plutonic suite, occupies the northeastern part of the claim group. Local alteration of the sedimentary rocks include biotite and siliceous hornfels. Limy units have been converted to tremolite-wollastonite skarn containing minor amounts of scheelite.

Molybdenite and scheelite-are widespread on the this are of claims, occurring in skarn, polymetallic veins and quartz vein stockworks. Sphalerite is common in quartz and pegmatite veins in the hornfels zones intersected in historic drilling.

6.0) DEPOSIT TYPES

6.1 Lead Zinc Deposits

Lead-zinc deposition on the Property is located mostly within the Reeves member dolomites. The deposits have been categorized as primary bedded Irish-Style Sedimentary Exhalative (SEDEX) deposits. Some zones within the deposits also display aspects indicative of replacement deposition within limestone.

6.2 Tungsten Deposits

Tungsten mineralization has been discovered in two distinct environments. The first is skarn style mineralization where granitic intrusions contact the limestone. The second is in favourable zones within the Truman member as stratabound disseminate mineralization.

6.3 Gold Deposition

Gold values have been obtained from areas historically mined for tungsten. Work by Sultan minerals indicated that the gold is believed to be skarn-related, occurring in silicified horizons with pyrite, pyrrhotite, arsenopyrite, stibnite and native bismuth.

6.4 Molybdenum Porphyry

At different periods during exploration and development of lead-zinc and tungsten deposits on the property, quartz stockwork veining and alteration zones suggested the potential for gold mineralization within the granites underlying the existing mined areas. As well, mapping of underground headings and sampling of diamond drill core during mining operations indicated the presence of molybdenite within these porphyry-style veined zones. Based on these positive indicators, in 2005 and 2006 exploration focused on molybdenum including diamond drilling within the Dodger zone.

7.0) MINERALIZATION

Mineralization on the Jersey property is associated with the east limb of a complex major anticlinal structure referred to locally as the Jersey anticline and regionally as the Salmo River anticline. The HB lead-zinc mine located four kilometres to the north and the Reeves MacDonald lead-zinc mine located ten kilometres to the south are also associated with this major structure.

Several zones of significant and often very different mineralization have been identified on the property. Historically mined areas produced lead-zinc and tungsten, with known areas of high molybdenum, gold, bismuth, arsenic, copper, silver, cadmium and barium. Work done by Sultan Minerals outlined numerous mineralized zones that are discussed below, along with the historically known mineralized zones.

7.1 Lead Zinc Zones

Jersey Lead-Zinc Deposit

The Jersey lead-zinc deposit occurs in dolomite near the base of the Reeves limestone member. Five ore bands, ranging in thickness from 0.3 to 9.0 metres were mined. These bands in order of stratigraphic sequence are: 1) upper lead band; 2) upper zinc band; 3) middle zinc band; 4) lower zinc band; 5) lower lead band. The five ore bands are locally very close together and in the A Zone frequently have been mined as a unit up to 24 metres thick. Ore mineralization consists of fine-grained sphalerite and galena with pyrite, pyrrhotite and minor arsenopyrite. Cadmium is associated with the sphalerite and silver with galena. Iron content of the sphalerite is low, about 6%. The overall grade for the 7,968,080 tons milled averaged 3.83% zinc and 1.95% lead. Mining ceased in 1970 with unmined reserves of 106,000 tons grading 3.10% zinc and 0.80% lead.

Emerald Lead-Zinc Deposit

The Emerald lead-zinc deposit is located immediately to the north of the Jersey lead-zinc deposit, along the same host structure. Mineralization in the Emerald lead-zinc mine consists of banded limestone and dolomite of the Reeves Member hosting stratabound lead and zinc bands.

7.2 Gold Zones

Bismuth Gold Zone

The Bismuth Gold Zone (known in the underground workings as part of the F zone) is located along the east side of the Jersey lead-zinc deposit at the contact between the Reeves limestone and the underlying Reeves dolomite. Gold mineralization was initially recognized here in 1963 when Placer Dome obtained 0.12 oz/t (3.4 g/t) gold from four samples assayed from an extensive native bismuth and arsenopyrite bearing zone. The zone was intersected while exploring the Jersey lead-zinc deposit and the underlying East Dodger tungsten zone. The zone was rediscovered in 1993 by the present

property owners while inspecting Placer Dome drill logs. The gold mineralization, believed to be skarn-related, occurs in a silicified horizon with pyrite, pyrrhotite, arsenopyrite, stibnite and native bismuth. Underground samples assay up to 0.28 oz/t (8.0 g/t) gold across widths of 96.0 centimetres. Placer Dome drill logs suggest that this siliceous zone may be 20 metres or more in thickness. It was intersected in four surface drill holes along a strike length of 300 metres.

#1 Zone

The #1 Zone is located in the area of the 1994 diamond drill holes DDH94-1 and 2. This zone is located along the contact of the Reeves limestone and the Emerald argillite members where they trend south from the Emerald Tungsten open pit mine.

A series of small to large pits and trenches trend for 300 metres along the limestone-argillite contact. In the workings, rusty banded sulphide mineralization occurs with iron oxides (limonite and goethite) and coarsely recrystallized limestone. Sulphide mineralization occurs as massive pyrrhotite bands, which return high values for arsenic, copper and zinc, with minor gold, silver and molybdenum.

Emerald Gold Zone

The Emerald gold zone was first recognized in 1895 and may be coincident with the Emerald tungsten zone. The zone was prospected for gold from 1895 to 1906 and assays up to 3.5 oz/t (100.0 g/t) were reported. After the lead-zinc potential of the property was recognized in 1906 and later with the discovery of the tungsten mineralization over this area the gold potential of this zone was not explored. The zone was rediscovered in 1993 when the current property owners found that free gold could be panned from the tungsten tailings. Gold mineralization has been found to be associated with the quartz and pyrrhotite rich sections of the skarn and sulphide-type tungsten zones.

The Emerald gold zone occurs along the contact with the Reeves limestone and Emerald argillite, and trends from the Emerald Tungsten deposit towards the #1 Zone. These three areas may actually represent mineral zonations grading away from the Emerald Stock.

Leroy Gold Zone

The Leroy gold zone is located approximately one kilometre north of the Emerald gold and tungsten zones. Gold mineralization was discovered here in the late 1890's and the zone was explored with a series of pits, adits and hand trenches along an 800 metre strike length. Gold exploration ceased with the discovery of lead-zinc in 1906.

Over the Leroy zone gold mineralization is associated with pyrrhotite, pyrite and native bismuth in a silicified horizon at the contact between the Reeves limestone member and the Emerald argillite member. Recent sampling of this zone gave gold grades up to 0.898 oz/t (25.5 g/t) from grab samples and up to 0.174 oz/t (4.8 g/t) across a true width of 3.0 metres for chip samples.

ABC Zone

The ABC zone occurs just to the east of the Jersey and Dodger underground workings along the Iron Mountain Fault. This major fault structure represents the contact of the Ordovician Active Formation argillites with the Cambrian Reeves Member limestones.

Anomalous samples were collected from slices of pyritic garnet-diopside skarn bands entirely within Active Formation argillite, but adjacent to the Reeves limestones. Rusty, limonitic, decomposed argillite(?) with minor quartz stockworking is found on the west side of the skarn banding. Sulphide mineralization is confined to pyrite within the skarn bands, with limonite occurring adjacent to this unit. Assays indicate the presence of high arsenic and minor gold, molybdenum and lead values.

7.3 Tungsten Zones

Dodger Tungsten Deposit

Near the Jersey Lead-Zinc Mine, skarn-type tungsten mineralization occurs where the Cretaceous intrusions are in contact with either of the calcareous Truman or Reeves members. Tungsten was mined from two distinct zones on the property: The Dodger zone located along the east side of the Jersey lead-zinc deposit; and the Emerald zone comprised of the Emerald, Feeney and Invincible deposits located along the west side of the lead-zinc deposit.

The Dodger tungsten skarn deposit is comprised of three zones with finely disseminated scheelite grains in light brown to green garnet-diopside skarn. The conformable deposit occurs in a skarnified limestone unit near the top of the Truman Member. The mineralized zones are separated by a tongue of granite believed to be an appendage of the Dodger Stock.

In this deposit, scheelite is accompanied by pyrrhotite, biotite, quartz, molybdenite and minor powellite. The ore zones range from 2.0 to 9.0 metres in width and average 3.0 metres.

The Dodger tungsten zone was mined intermittently from 1951 to 1973 and averaged 0.56% WO_3 for 521,023 tons of production. Production ceased in 1973 leaving unmined reserves of 42,500 tons grading 0.45% WO_3. During the final year of operation extensive reserves of low grade ore were found to the north and south of the East Dodger deposit. These reserves were not developed due to low tungsten prices.

Dodger "D" Zone

The Dodger "D" Zone is represented by a series of pits and trenches located along the contact of the Dodger Stock and skarnified Truman Member argillites. This zone is located about 300 metres southwest of the Dodger 4400 Adit.

In the vicinity of the workings, the Dodger Stock is pegmatitic, consisting entirely of white quartz and feldspar phenocrysts up to 15 centimetres diameter. The workings are located within very rusty, skarn banded Truman Member sediments. Visible mineralization consists of massive to disseminated and banded pyrrhotite, pyrite, bismuth, molybdenite, and chalcopyrite, with assays also indicating the presence of gold, zinc, and tungsten.

Emerald Tungsten Deposit

The Emerald tungsten deposit occurs along the contact between the Reeves limestone member and the Emerald argillite member, located along the west side of the Emerald stock. Within the deposit four distinct types of mineralization are recognized: skarn, sulphide, greisen, and quartz ores. The skarn-type of ore occurs mainly along or near the limestone argillite contact. It consists of garnet, diopside, calcite and quartz with lesser amounts of pyrrhotite, pyrite, scheelite and molybdenite. The sulphide-type of ore, consisting of pyrrhotite, calcite, biotite and scheelite, is often spatially associated with the skarn mineralization and consists of irregularly shaped "replacement" bodies in limestone and dolomite. Locally quartz, pyrite, molybdenite and chalcopyrite may be present. The greisen-type of ore occurs in altered granite and extends up to 12 metres into the granite from the limestone contact. The ore consists of potash feldspar - in some places completely kaolinized, abundant quartz, sericite, pyrite, tourmaline and scheelite. Locally, calcite, ankerite, apatite, pyrrhotite or molybdenite may be present. The quartz-type ore in many places grades into greisen. It consists of silicified limestone cut by numerous veins of quartz with ankerite, scheelite, minor molybdenite and apatite. The veins are enveloped by disseminated mineralization comprised of scheelite, pyrite, pyrrhotite and tremolite.

Scheelite is the main tungsten mineral but minor powellite and wolframite was also recovered. Most of the scheelite ore was recovered from lenticular skarn zones developed along the contact between the Emerald argillite and the Reeves limestone.

The Emerald tungsten zone was mined intermittently from 1943 to 1973. Grades ranged from 0.5 to 1.5% WO_3 and averaged 0.86% WO_3 for the entire 1,076,799 tons of production. Mining ceased in 1973 due to low tungsten prices leaving recoverable reserves of 34,800 tons grading 0.73% WO_3. Potential is believed to exist north of the Invincible and south of the Emerald deposits but due to low tungsten prices there was no incentive to explore and develop these potential reserves.

East Emerald Tungsten Zone

The East Emerald Tungsten Zone, is located about 300 metres southwest of the Dodger 4400 Adit and approximately 100 metres stratigraphically above the Invincible Tungsten Deposit. Also referred to as the Dodger "D" Zone, it is represented by a series of pits and trenches located along the contact of the Dodger Stock and two parallel skarnified Truman Member argillite bands, each about 10 metres in thickness. Evidence of the potential for Dodger-type mineralization was provided in historic drilling to the north and east of the Emerald and Invincible mines.. This stratabound mineralization is in the stratigraphically higher metamorphosed Truman rocks. Twenty four(Wartime Metals) and sixteen(Canex) historic drill holes were completed through this zone, herein termed the East Emerald Zone. Drilling into this zone encountered tungsten-skarn mineralization adjacent to and distant from the granitic contact similar to that historically mined in the Dodger Tungsten deposit to the east. In 2006 Sultan Minerals completed a four hole drill program into this mineralized zone in order to verify the presence of the reported tungsten grades

and the widths of mineralization. A preliminary assessment of the potential of this zone is covered in this report.

These tungsten-bearing horizons have been shown by historical drilling and surface sampling to be more than 1,100 metres long and to extend up to 300 metres down dip. Drill logs show that the zone ranges from 4.0 feet (1.2 metres) to more than 60.0 feet (20.0 metres) in thickness with tungsten assays varying from less than 0.10% WO3 to greater than 0.28% WO3.

In the vicinity of the workings, the Dodger Stock is pegmatitic, consisting entirely of white quartz and feldspar phenocrysts up to 15 centimetres in diameter. The workings are located within very rusty, skarn banded Truman Member sediments. Visible mineralization consists of massive to disseminated and banded pyrrhotite, pyrite, bismuth, molybdenite, and chalcopyrite, with assays also indicating the presence of gold, zinc, and molybdenum with the tungsten.

Invincible Tungsten Deposit

The Invincible Tungsten Deposit is adjacent to the western margin of the Late Jurassic Dodger stock where it transects flat-lying beds of the Reeves Member limestone of the Lower Cambrian Laib Formation. The deposit lies 1,500 metres northeast and along strike, but on the east side of the Emerald granite stock from the Emerald tungsten deposit.

The orebody is bounded above and below by skarn and argillite of the Truman and Emerald members of the Laib Formation respectively. Most of the scheelite occurs in lenticular zones that extend at a high angle from the granitic stock, more or less conformable with layering of the host rocks. The scheelite occurs as fine, disseminated grains within garnet-diopside skarn and is accompanied by pyrite, pyrrhotite, minor powellite and traces of molybdenite and wolframite. Quartz is common in zones of mineralized granite.

The ore zone extends up to 24 metres from the stock, and may be more than 3 metres thick in places. The zone lies about 260 metres below surface and produced 256,480 tonnes of 0.65 per cent WO3 from 1970 to 1973 (Geology, Exploration and Mining in British Columbia 1973, pages 54-57).. The northern extension of the Invincible mine remains untested.

Feeney Tungsten Deposit

The Feeney tungsten deposit is located on the east side of the Emerald granitic stock along strike to the north of the Emerald mine and south of the Invincible mine. The zone forms a relatively shallow ore body within the Lower Cambrian Laib Formation along the granite-limestone contact between the Reeves Member limestone and Emerald Member argillite.

The mineralization consists of scheelite with minor powellite, rare wolframite and traces of molybdenite in a green and brown garnet-diopside skarn containing augite, actinolite, epidote, pyrrhotite and quartz. Most of the scheelite occurs as fine, disseminated grains in lenticular skarn zones which extend from the granite contact out into the limestone-argillite country rock conformable to bedding. The skarn zones are up to 6 metres long and average about 2 metres in width. Grades are about 0.5 to 1.5 per cent tungsten. The Feeney mine operated between 1951

and 1955 and produced about 54,000 tonnes of ore averaging 0.92% WO3 (Bulletin 41, page 119).

7.4 Molybdenum Zones

Dodger Zone

Molybdenum mineralization was noted in several areas within the historic Jersey, Dodger, Invicible, Emerald and Feeney mine workings. Follow-up work during 2000 to 2005 field seasons indicated that the most readily accessible area for initial molybdenum exploration is within the Dodger 4200 mine workings. These workings were found to be in good condition where access drifts were completed during the historic mining for tungsten. Mapping of the drifts indicated that the granitic rock that underlies the Dodger-type skarn tungsten mineralization contains porphyry style quartz veining with molybdenite mineralization.

Exploration of the molybdenum-bearing porphyry system, along the margin of the historic Dodger East Tungsten zone, revealed a stockwork of quartz veining and fractures with molybdenite. The general orientation of fractures and quartz veins was found to be cross-cutting north-south and east-west, with steep dips. Several high grade molybdenite zones were intersected, including 1% to 3% Mo over short widths of 3 to 5 feet (0.9 to 1.5 metres). The 20 hole drill program completed during the 2005 field season indicated the potential for larger volumes of lower grade molybdenum containing short sections of higher grade material. The current resource calculation summarized in this report has been undertaken to further assess this zone.

East Zone

During the 1995 field season, a large mineralized zone was discovered to the east of the previous workings entirely within the Ordovician Active Formation argillites.

An anomalous area trending north-south for two kilometres and up to one kilometre wide contains significant copper, zinc, silver, barium and molybdenum values in soils. The black, shaly argillites are cross-cut by quartz stringers in many areas, but mineralization is believed to be hosted within the argillite beds.

Posie Zone

The Posie claim occurs to the south of the Jersey lead-zinc mine, on the south side of Lost Creek. Preliminary work done on this claim in 1995, returned anomalous metal values from soil samples.

The Posie mineralized zone occurs within Ordovician Active Formation argillite with inter-fingered limestone of the Lower Cambrian Reeves Member in the north. The limestone tends to be skarnified in some areas, while other areas have the appearance of fresh limestone but are completely silicified. A zone of anomalous soil sample results trends from Lost Creek south-southwest for over one kilometre, roughly following the argillite-limestone contact. Along this zone, soil samples are highly

anomalous in copper, silver, zinc, cadmium and barium, with scattered elevated values for gold, tungsten and molybdenum .

8.0) EXPLORATION CONDUCTED IN 2008

Sultan Minerals Inc completed a program of diamond drilling over the Emerald and East Emerald target areas. A total of 14 diamond drill holes were completed during this program. A single drill hole, hole ES0803 was recorded for work on the Invincible claim. Only that single hole is summarized within this report for purpose of assessment. Hole ES0803 was drilled to a depth of 188 metres (617 feet). This drill hole was designed to test for tungsten mineralization within the East Emerald target zone.

The drilling program was managed by Ed Lawrence, P.Eng, and was monitored by Perry Grunenberg, P.Geo, the acting qualified person for the project. Perry Grunenberg conducted the sampling program on the Jersey 6-Posie 1 claims.

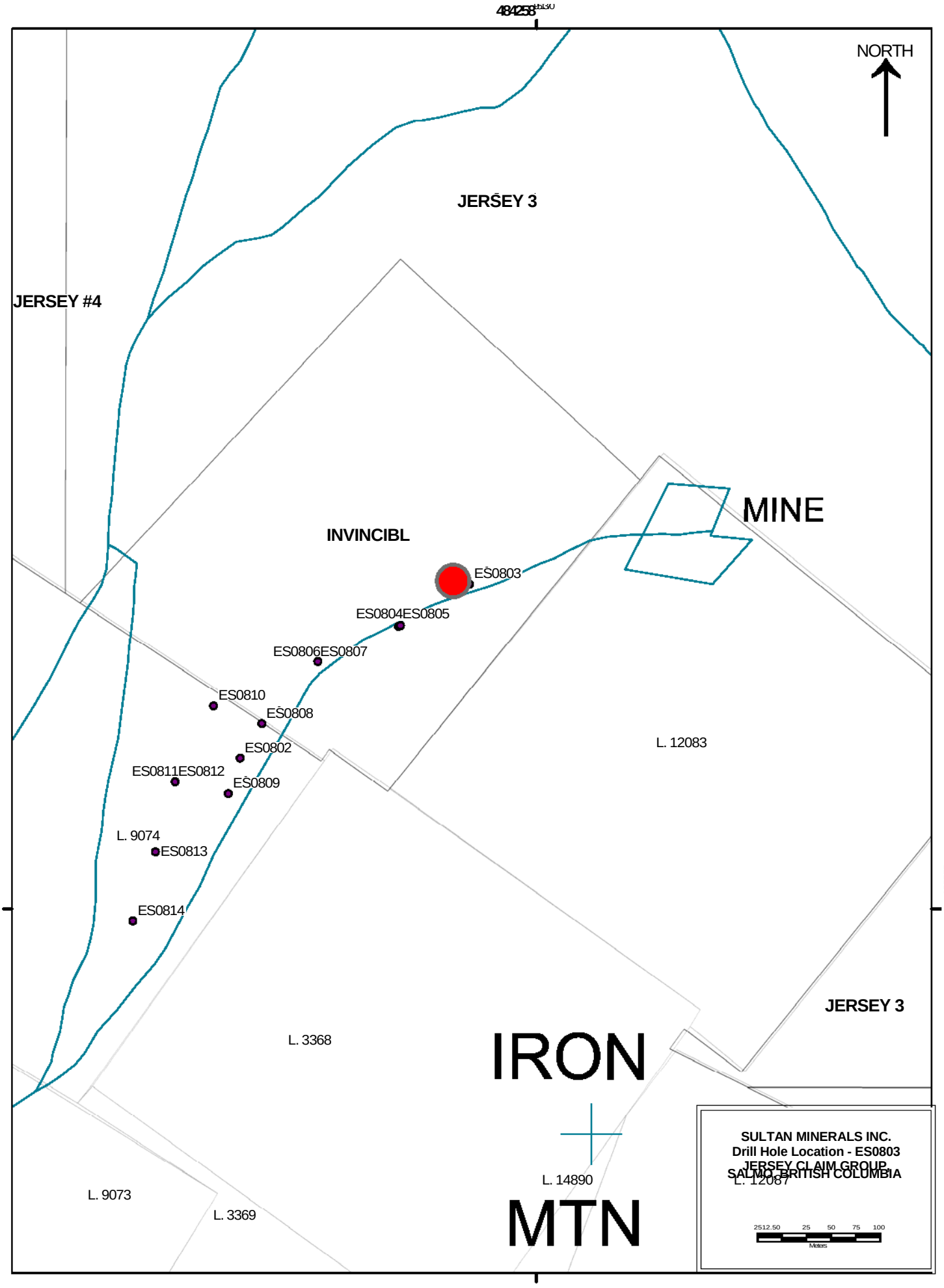
DRILLING - Invincible Claim

Sultan Minerals contracted Critchlow Diamond Drilling of Salmo, BC to complete diamond drilling on the Invincible claim. Critchlow Drilling utilizes a "Discovery-1" diamond drill manufactured by Multi-Power Products Ltd in Kelowna BC. The drill is rated for a maximum depth of 1,200 vertical feet using BQTW rods .

A total of 188 metres of core were produced from the diamond drilling of hole ES0803. The hole location is shown on page 27. The drill hole location is also provided in Table 3 below. Drill hole locations are measured in mine grid coordinates and distances are imperial, to be consistent with the historic database.

Table 3
Drill Hole Location

Drill Hole #	Location Grid N	Location Grid E	UTM Location N	UTM Location E	Elevation (ft)	Length (ft)	Length (m)	Azimuth/Dip
ES0803	8592	9426	5440278	484191	4380	617	188	331/-69


484258
NORTH
JERSEY 3
JERSEY #4
MINE
INVINCIBL
ES0803
ES0804ES0805
ES0806ES0807
ES0810
ES0808
ES0802
ES0811ES0812
ES0809
L. 9074
ES0813
ES0814
L. 12083
JERSEY 3
L. 3368
IRON
L. 14890
MTN
L. 12087
L. 9073
L. 3369
5439948
SULTAN MINERALS INC.
Drill Hole Location - ES0803
JERSEY CLAIM GROUP
SALMO, BRITISH COLUMBIA
2512.50 25 50 75 100
Meters

ROCK SAMPLING – Jersey 6 and Posie Claims

Prospecting and rock sampling was conducted within the Lost Creek drainage and along the ridges south of Lost Creek. Several historic trench sites and a single short adit were prospected for zinc, molybdenum and tungsten mineralization. Several mineralized areas were indicated from work reported from 1978 to 1981.

Rock sample locations and brief description are summarized in Table 4, and are shown on page 29.

Table 4
Rock Sample Location and Description

Sample #	UTM E	UTM N	General Location	General Description
08P0S01	484754	5435874	Ridge top area	Outcrop, skarny sediment
08P0S02	484835	5435763	Ridge top area	Blast trench, argillite with py
08P0S03	484830	5435756	Ridge top area	Trench, argillite with quartz and pyrite
08P0S04	484649	5435946	Ridge top area	Old trench, massive pyrrhotite, skarn
08P0S05	484649	5435946	Ridge top area	Same as POS04 with Po, and Sp
08P0S06	484727	5435986	Ridge top area	Small trench, skarn, scheelite
08P0S07	484592	5437165	Lost Creek adit	Tungsten adit dump pile, Po, magnetite, skarn
08P0S08	484592	5437165	Lost Creek adit	Adit waste dump, skarn, scheelite
08P0S09	484592	5437165	Lost Creek adit	Adit waste dump, skarn with molybdenite
08P0S1 0	484727	5435986	Ridge top area	Blast trench, argillite-limestone, scheelite
08P0S1 1	484758	5435977	Ridge top area	Old trench, argillite with quartz, scheelite and Po
08P0S12	484180	5435350	Ridge access rd	Along road, grey argillite with scheelite

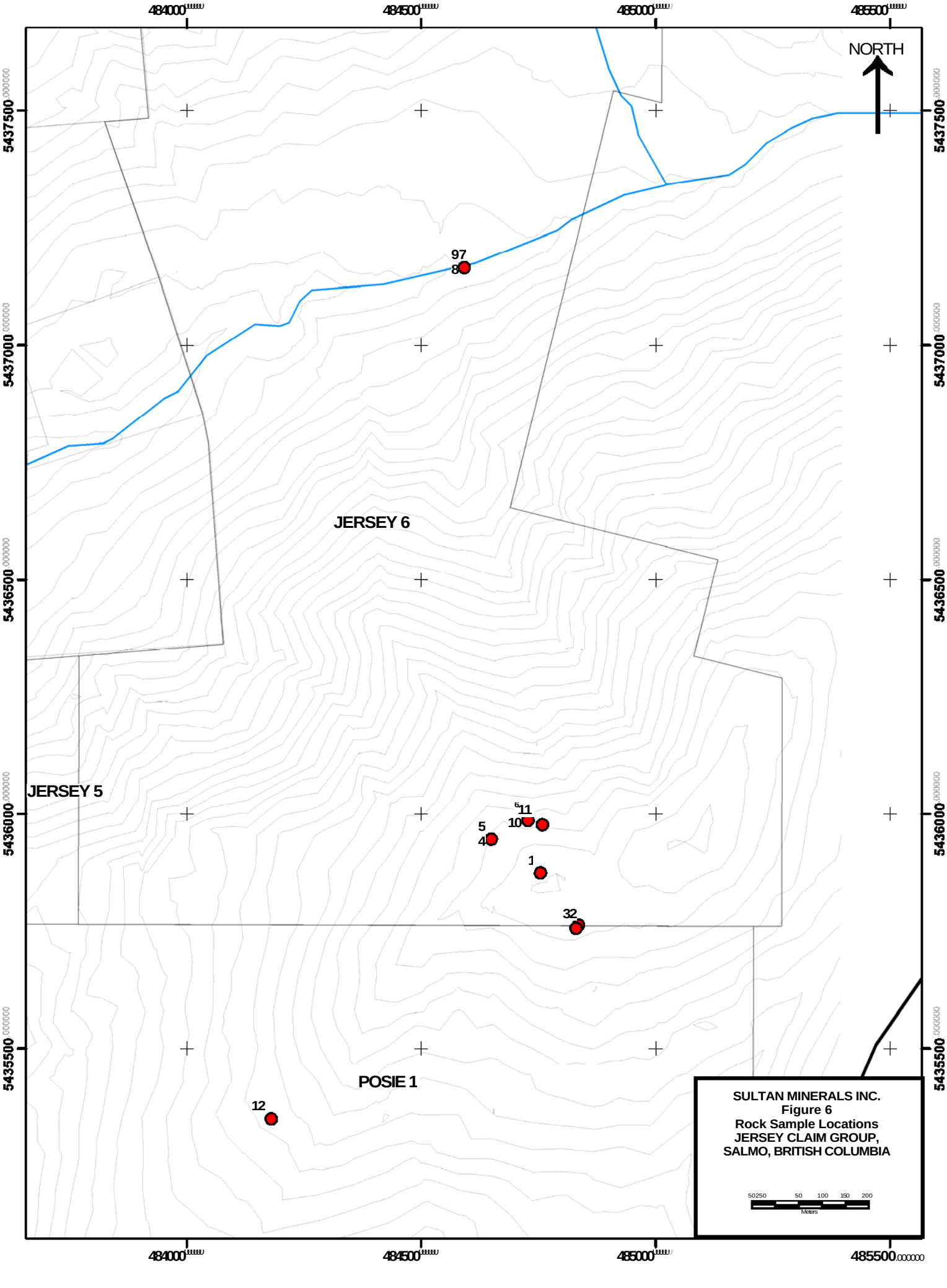
A single rock sample, 08POS06, was sent to Vancouver Petrographics for thin section analysis. The sample is described as a metamorphosed dacite/andesite with replacement patches containing locally abundant sphalerite, pyrrhotite and pyrite and trace chalcopyrite and scheelite. The complete report for this thin section analysis is included within the appendices of this report.

9.0) SAMPLING METHOD AND APPROACH

Drill core was removed from each drill site at the end of each shift. All drill core was logged at a secure facility in Salmo. Following drill core logging and sample layout, the core was split using a standard manual core splitter. One half of the core was then placed in a sample bag labelled with an assay tag number and the second half returned to the core box with its location marked with the same assay tag number. All core is stored within a secure compound on the property.

Sample intervals were determined based on lithological changes, structures and observed mineralization within the core. Minimum sample intervals were set at approximately 1 metre (3 feet). For drill hole ES0803 a total of 70 samples were obtained and submitted for analysis.

Surface rock samples collected on the Jersey 6-Posie 1 claim area were grab type samples taken from historic trenches and waste piles prospected within the Lost Creek drainage and along the ridge between Lost Creek and Wilson Creek. Samples were placed into sample bags labelled with a dedicated sample number and the location where the sample was obtained was labelled with the same number. A total of 12 rock samples were obtained and submitted for analysis.


484000
484500
485000
485500
NORTH
5437500
5437000
5436500
5436000
5435500
97
8
JERSEY 6
JERSEY 5
6
11
10
5
4
1
32
POSIE 1
12
SULTAN MINERALS INC.
Figure 6
Rock Sample Locations
JERSEY CLAIM GROUP,
SALMO, BRITISH COLUMBIA
50250
50
100
150
200
Meters

10.0) SAMPLE PREPARATION, ANALYSES AND SECURITY

The samples to be assayed were shipped by trucking company from site directly to a laboratory in Vancouver, BC. All sample preparation was done at the laboratory by their staff. Samples were submitted to both Acme Laboratory and Assayers Canada Laboratory, in Vancouver, BC.

Sultan utilizes laboratories registered with ISO 9001:2000 accreditation. The International Standards Organization (ISO) adopted a series of guidelines (ISO 9000 to 9004) for the global standardization of Quality Assurance for products and services. A company seeking accreditation must implement and maintain a quality assurance system that is compliant with one of the three applicable models (i.e. ISO 9001, 9002 or 9003). Some of the aspects specifically addressed in a quality assurance system include:

- Responsibility of management in defining and achieving quality goals,
- Contract review to ensure customer needs are understood and met,
- Procurement of supplies and services capable of delivering the desired level of quality,
- Handling of material supplied by the customer to ensure integrity,
- Controlling processes to ensure consistency of quality,
- Inspection and testing to ensure that all work meets or exceeds quality criteria,
- Correction and prevention of non-conformities (errors),
- Training of staff, and
- Statistical analysis to ensure quality criteria are met.

The Labs utilize standards and duplicate analysis of samples as part of their quality assurance. The certificates of analysis indicate re-assay or duplicate analysis with the prefix “RE”. Standards submitted during the analysis of samples are prefixed “STANDARD”. The laboratory identifies and remedies situations where the analysis of duplicates or standards is not within allowable levels of variation.

The on-site geologist personally monitored procedures for sample collection and delivery to courier in either Salmo or Castlegar, BC. From point of collection until delivery to the courier, the samples were under complete control of Sultan Minerals contactors.

The assay laboratories catalogue all samples and assure a complete chain of custody of each sample through the analytical process. At the laboratory the samples were analyzed by the labs multi-element ICP methodology. In the analysis a representative sample is crushed and pulverized to 95% passing 150 mesh. A split of 15 gram is leached in hot Aqua Regia. The resulting solution is analyzed by ICP-ES and/or ICP-MS. The lab reports that solubility of some elements will be limited depending on mineral species present. Samples that returned elevated levels of silver, lead, zinc, molybdenum or tungsten were further analyzed by leaching and ICP-ES.

11.0) SAMPLE RESULTS
DRILL RESULTS – Invincible Claim

Significant results of drilling of hole ES0 803 are summarized in the following table. A drill hole location plan and cross section are provided on page 27 and within the appendices. Complete assay certificates for all samples taken from the hole are included with the appendices of this report.

Table 5
Significant Results ES0803

ES0803 TAG #	From	To	WIDTH (ft)	Mo ppm	Pb ppm	Zn ppm	Ag ppm	W ppm
69227	24.40	26.40	2.00					**163.4**
69237	110.25	112.15	1.90		**114.8**	**198**		**148.9**
69240	125.60	127.50	1.90	**242**	**1007.3**	**823**	**11.8**	
69241	127.50	130.70	3.20	165.1	**773.7**	**560**	**16.8**	
69245	145.65	150.20	4.55	**220.8**		**527**		**348**
69250	182.70	188.50	5.80			**417**	**1.2**	**901.7**
69251	188.50	194.30	5.80			**385**		**292.8**
69261	276.25	278.30	2.05			**329**		**345.7**
69263	285.90	289.55	3.65			**321**		**940**
69274	379.20	382.20	3.00				**1.4**	**507.2**
69278	412.70	420.90	8.20			**332**		**1010**
69283	454.50	458.90	4.40	**548.4**		**458**		**2340**
69284	458.90	463.25	4.35			**365**		**401.7**
69289	502.00	508.75	6.75			**308**		
69291	517.00	527.00	10.00		**251**	**418**	**3.7**	

All dimensions and core lengths are recorded in feet in order that results are compatible with the historic mine grid and the existing 5,600 drill hole database.

The general geology intersected in drill hole ES0803 is comprised of interbedded argillite and limestone with minor dolomite sections. Elevated tungsten values up to 2,340 ppm W are associated with skarny limestone sections, typical of the East Emerald style of mineralization.

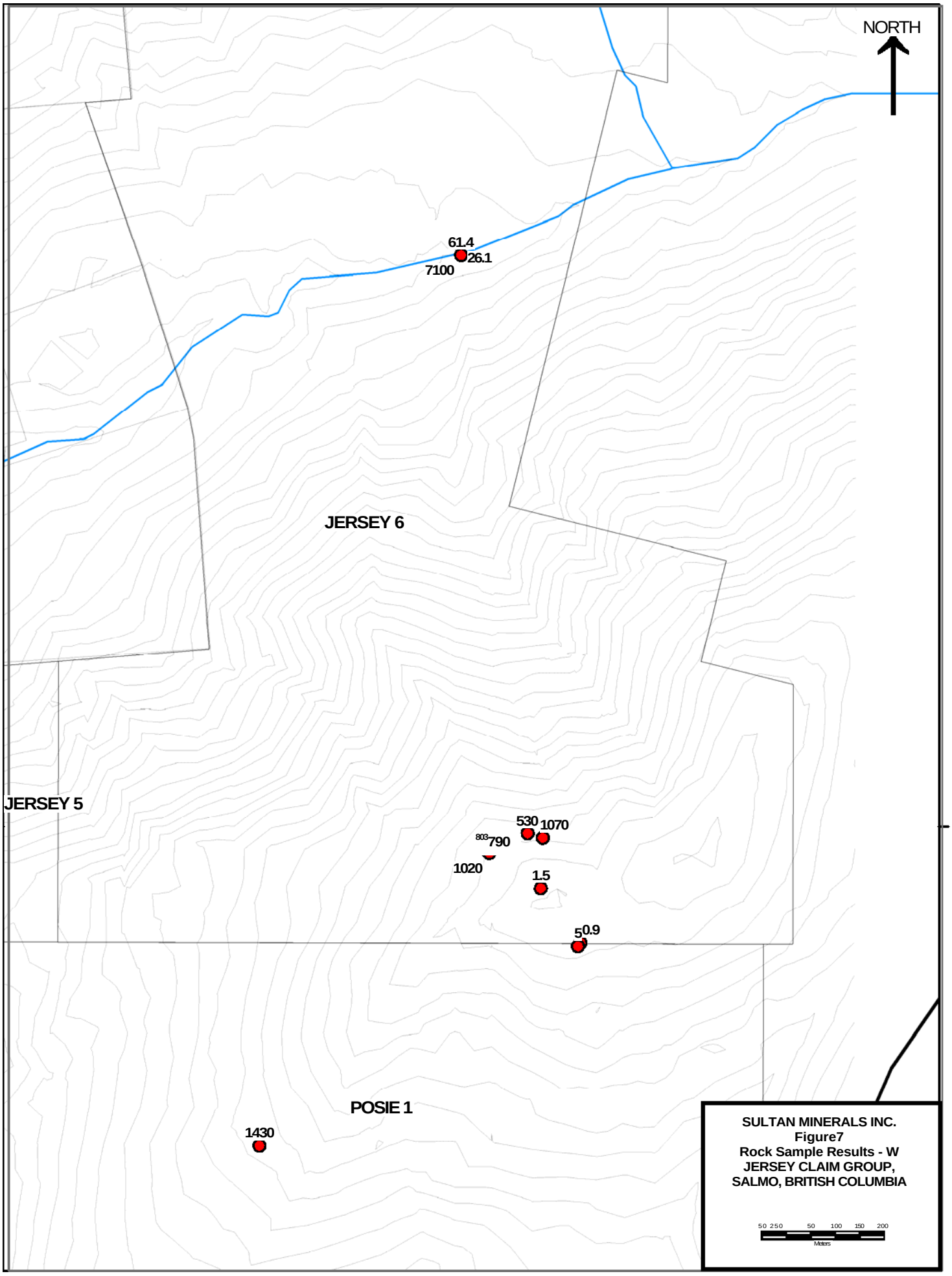
ROCK SAMPLE RESULTS – Jersey 6 and Posie 1 Claims

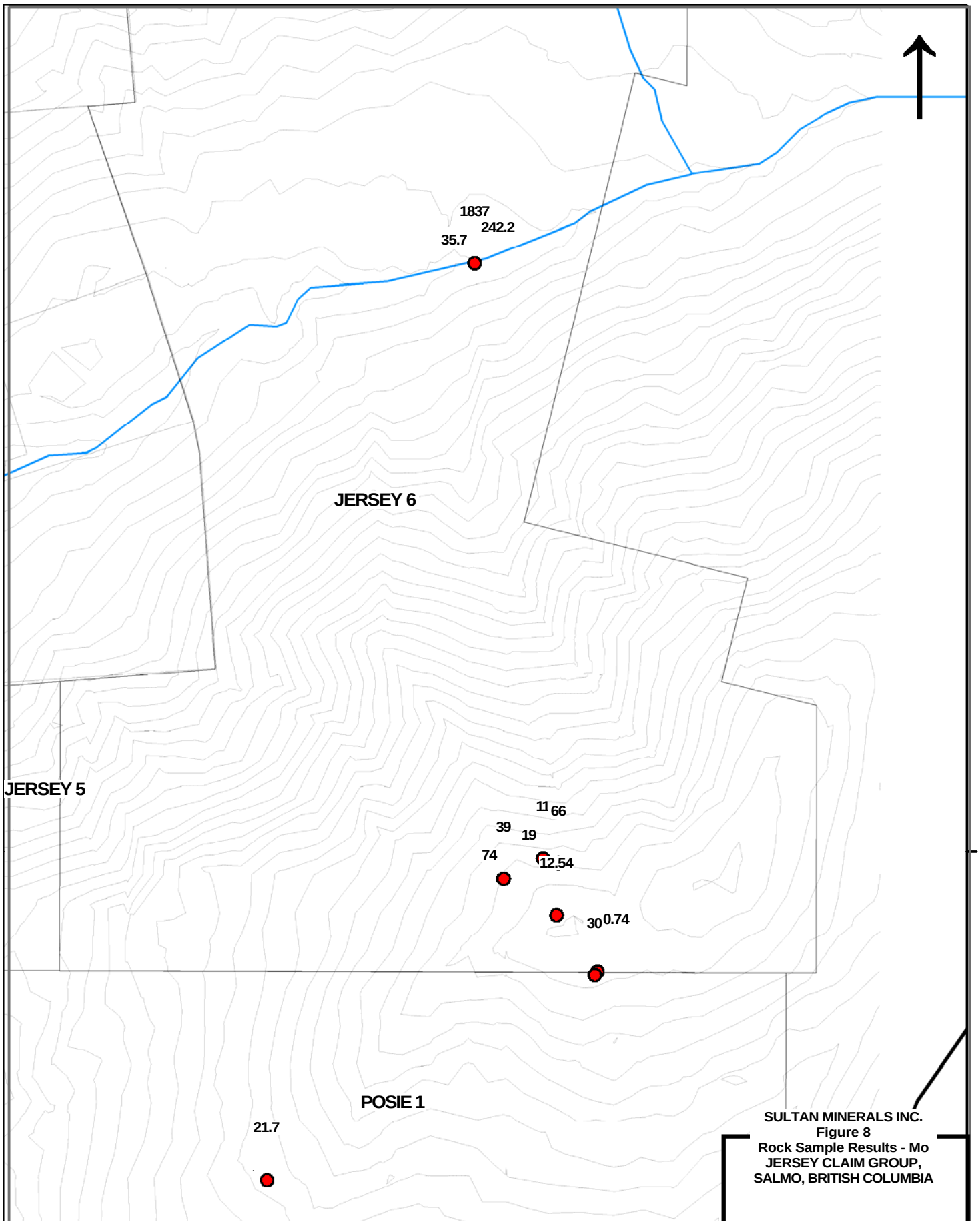
The results of rock sampling within the Lost Creek drainage and along the ridge south of Lost Creek returned elevated values of molybdenum, tungsten, and zinc. This is consistent with elements that were reported from historic trenching and drilling on the property. Table 6 summarises significant results from the 12 rock samples. Figures 7, 8 and 9 provide sample

results for tungsten, molybdenum and zinc. Complete assay certificates for rock samples are included within the appendices of this report.

Table 6
Rock Sample Results – Jersey 6 and Posie 1 Area

Sample id	Mo ppm	Zn ppm	W ppm
08P0S01		449.6	
08P0S03		224	
08P0S04		51800	803
08P0S05		6322	1020
08P0S06		2291	790
08P0S08	242.2	436	7100
08P0S09	1837	116	
08P0S10		918	530
08P0S11		10500	1070
08P0S12		3780	1430


NORTH
61.4
26.1
7100
JERSEY 6
JERSEY 5
530
1070
803
790
1020
1.5
5
0.9
5436000
POSIE 1
1430
SULTAN MINERALS INC.
Figure7
Rock Sample Results - W
JERSEY CLAIM GROUP,
SALMO, BRITISH COLUMBIA
50 250 50 100 150 200
Meters



SULTAN MINERALS INC.
Figure 8
Rock Sample Results - Mo
JERSEY CLAIM GROUP,
SALMO, BRITISH COLUMBIA

NORTH

12.0) CONCLUSIONS AND RECOMMENDATIONS

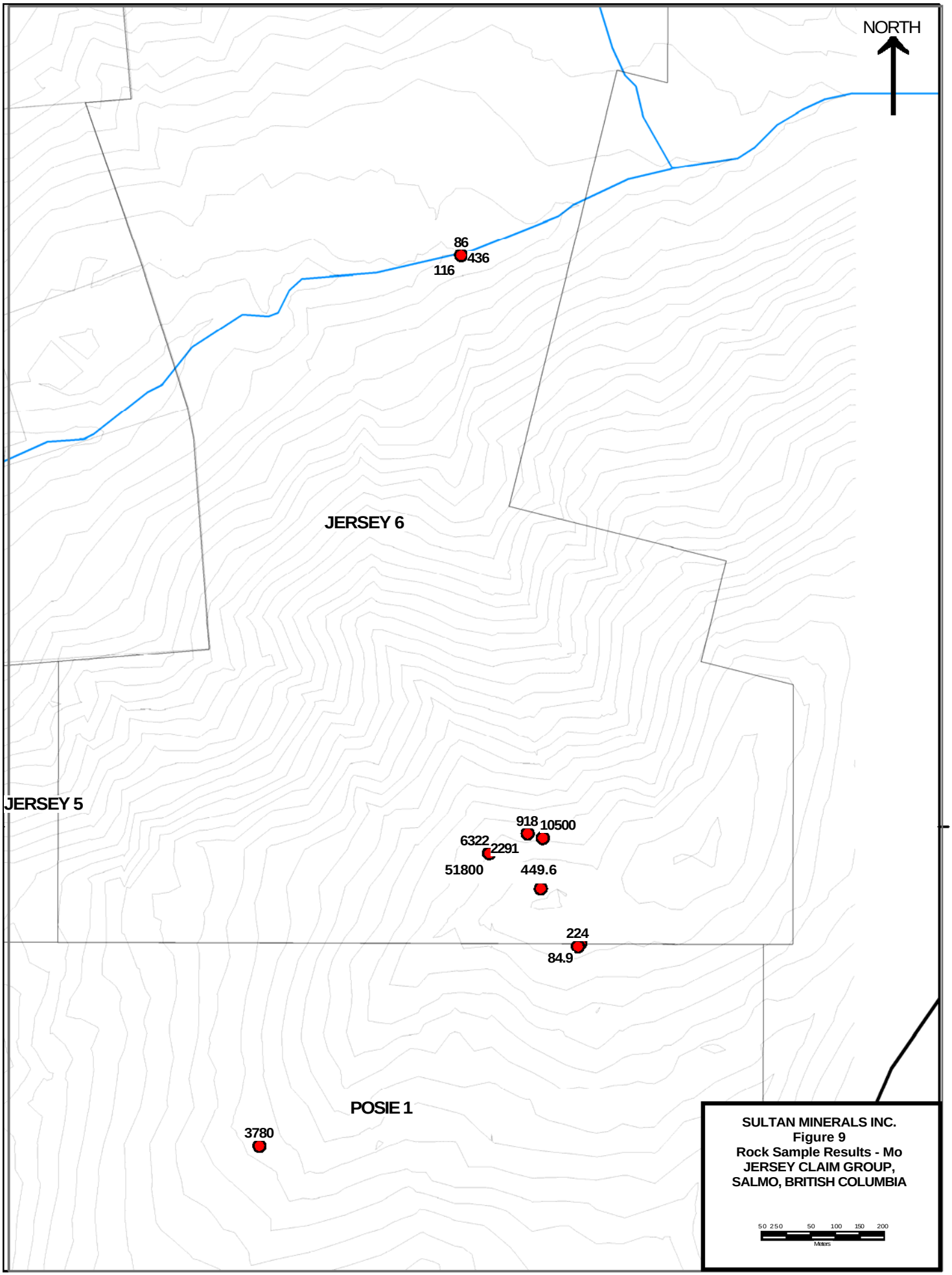
The results of the single drill hole documented in this report supports the existence of tungsten mineralization within skarnified limey argillite and limestone in the East Emerald target zone. The drill program that included this single hole was designed to further test this zone, and was included in a resource calculation report released in February, 2009. Further infill drilling is recommended for this zone in order to move more of the tungsten mineralized zones into the indicated and measured categories.

The rock sampling program on the Jersey 6 and Posie 1 claims supports the existence of elevated tungsten, zinc, and molybdenum values historically reported for these areas. Historic drilling intersected interesting values of tungsten and molybdenum beneath the ridge south of Lost Creek. The underlying granitic rock the hosts the molybdenum mineralization, and is responsible for tungsten bearing skarn adjacent to the stock, is only partly exposed along the Lost Creek valley. Rock samples taken from waste dumps next to a short adit located within the valley (08POS07,08 and 09) indicate potential for molybdenum and tungsten mineralization. Diamond drilling designed to intersect the granite contact down dip from the adit portal is recommended to further test for mineralization in this area.

Drilling on the ridge south of Lost Creek is recommended in order to verify the historic results. Further drilling should be located to intersect the granite contact 30 to 50 metres along strike from the historic drilling in order to both confirm and expand on the reported mineralization.

There is a large area of elevated zinc in soils indicated by sampling conducted previously by Sultan Minerals. It is recommended to locate 5 or 6 trenches to further test for zinc mineralization centered near to the area of sample 08POS04, 05, 06, 11 and 12.

50 250 50 100 150 200
Meters


NORTH
86
436
116
JERSEY 6
JERSEY 5
918
10500
6322
2291
51800
449.6
224
84.9
POSIE 1
3780
5436000
SULTAN MINERALS INC.
Figure 9
Rock Sample Results - Mo
JERSEY CLAIM GROUP,
SALMO, BRITISH COLUMBIA
50 250 50 100 150 200
Meters

13.0) REFERENCES

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14.0) QUALIFICATIONS

CERTIFICATE: Perry Grunenberg

I, **Perry Grunenberg**, hereby certify that:

a) I am a consulting Geoscientist with PBG GEOSCIENCE having an office at 759 Dominion Street, Kamloops, British Columbia, V2C 2X8.

b) I am a graduate of the University of British Columbia with the degree of Bachelor of Science in Geology (1982).

I am a member of the Association of Professional Engineers and Geoscientists of British Columbia Registration No. 19246) and a Fellow of the Geological Association of Canada (Membership No. F5203).

I have practiced my profession in North America since 1982, having worked as an employee and consultant for major mining corporations, junior resource companies and BC government ministries.

As a result of my experience and qualification I am a Qualified Person as defined in National Instrument 43 – 101.

c) I personally managed the 2008 exploration program on the Jersey 6, Posie 1 and Invincible Claims of the Jersey-Emerald property including the diamond drilling program for the exploration of tungsten, molybdenum, and silver-lead-zinc.

d) I have personally prepared or have reviewed all sections of this report including the illustrations.

e) I have managed exploration programs as a geoscientist consultant on behalf of Sultan Minerals Inc since 1994, including exploration for tungsten and molybdenum as covered within this report.

February 28, 2009
Kamloops, B.C.

Perry Grunenberg, P.Geo.
Consulting Geoscientist

APPENDIX 1
COST STATEMENT

APPENDIX 2
DIAMOND DRILL LOG HOLE ES0803

APPENDIX 3
ASSAY CERTIFICATES

APPENDIX 4
SAMPLE INTERVAL AND ASSAY TAG INFORMATION

APPENDIX 5
CROSS SECTION DRILL HOLE ESO803

APPENDIX 6
THIN SECTION ANALYSIS REPORT FOR ROCK SAMPLE 08POS06

COST STATEMENT

EM Magnetic and Lithogeochemical

23 September to 1 December 2008

Salary & Wages:			
S. Deane, 23 Oct, 1 day	$ 510.00		
J. Denny, 23 Sep, 7-8, 23Oct, 4days @320	1,280.00		
B. Denny, 23 Sep, 7-8 Oct, 3days @ $250	750.00		
		$	2,540.00
Benefits @ 20%			508.00
Food and Accommodation: 3 pers, 8 days @ $30			240.00
Rental Equipment:			
4x4 Pick Up Truck: 4days @ $75	$ 300.00		
ATV: 2 days @$50	100.00		
Powersaw: 1 day @ $35	35.00		435.00
Rock Study: Vancouver Petrographics Ltd: Thin Sections & Report			308.70
Assays & Analyses:			
Assayers Canada:			
4 Rock for 24Ellcp @ $17.50	$ 70.00		
1 Pulp for Zn @ $11.50	11.50		81.50
Acme Labs:			
2 Rock for 55Ellcp @ $27.51	$ 55.02		
4 Rock for 36Ellcp @ $18.19	72.76		
1 Rock for 30Ellcp @ $18.19	18.19		
1 Pulp for Zn @ $10.62	10.62		
3 Pulp for W @ $10.62	31.86		188.45
Shipment:			20.76
EM Magnetic Survey: 17Oct - 2 Dec, 93 Square kilometres @ $494.62			46,000.00
Report Preparation:			2,020.00
Total		$	52,342.41

COST STATEMENT

Invincible Claim Diamond Drilling

1-3 July 2008

Salary & Wages:			
A. Tsaloumas, 1-3 Jul, 3 days @ $510	$ 1,530.00		
D. Murray, 1-3 Jul, 3 days @ $250	750.00		
		$	2,280.00
Benefits @ 20%			456.00
Food and Accommodation: 6 mdays @ $115			690.00
Rental Equipment:			
4x4 Pick up Trucks: 3days @ $75			225.00
Supplies:			147.00
Diamond Drilling:			
Wade Critchlow Enterprises, 1-3 Jul, 617 Feet @ $30.05/ft	$ 19,454.00		
Truck, 3 days @ $100	300.00		
JD550, 1 hr	90.00		
			19,844.00
Core Storage & Processing:			
Watson Wood Products, Core Box Material, 35 Boxes @ $12.50	$ 437.50		
Duncan Lake Trailer Rental, 1-7 Jul, 7 days @ $10.	70.00		
			507.50
Assays & Analyses:			
Assayers Canada Labs:			
72 Core for Au & Prep @ $19.50	$ 1,404.00		
72 Pulp for 47 element Icp @ $22.50	1,620.00		
2 Pulp for W @ $13.00	26.00		3,050.00
Shipments: via West Arm Trucking, 25 Jul			320.36
Reporty Preparation:			2,550.00
Total		$	30,069.86

8500E 8600E 8700E 8800E

4400El 4400El

4300El 4300El

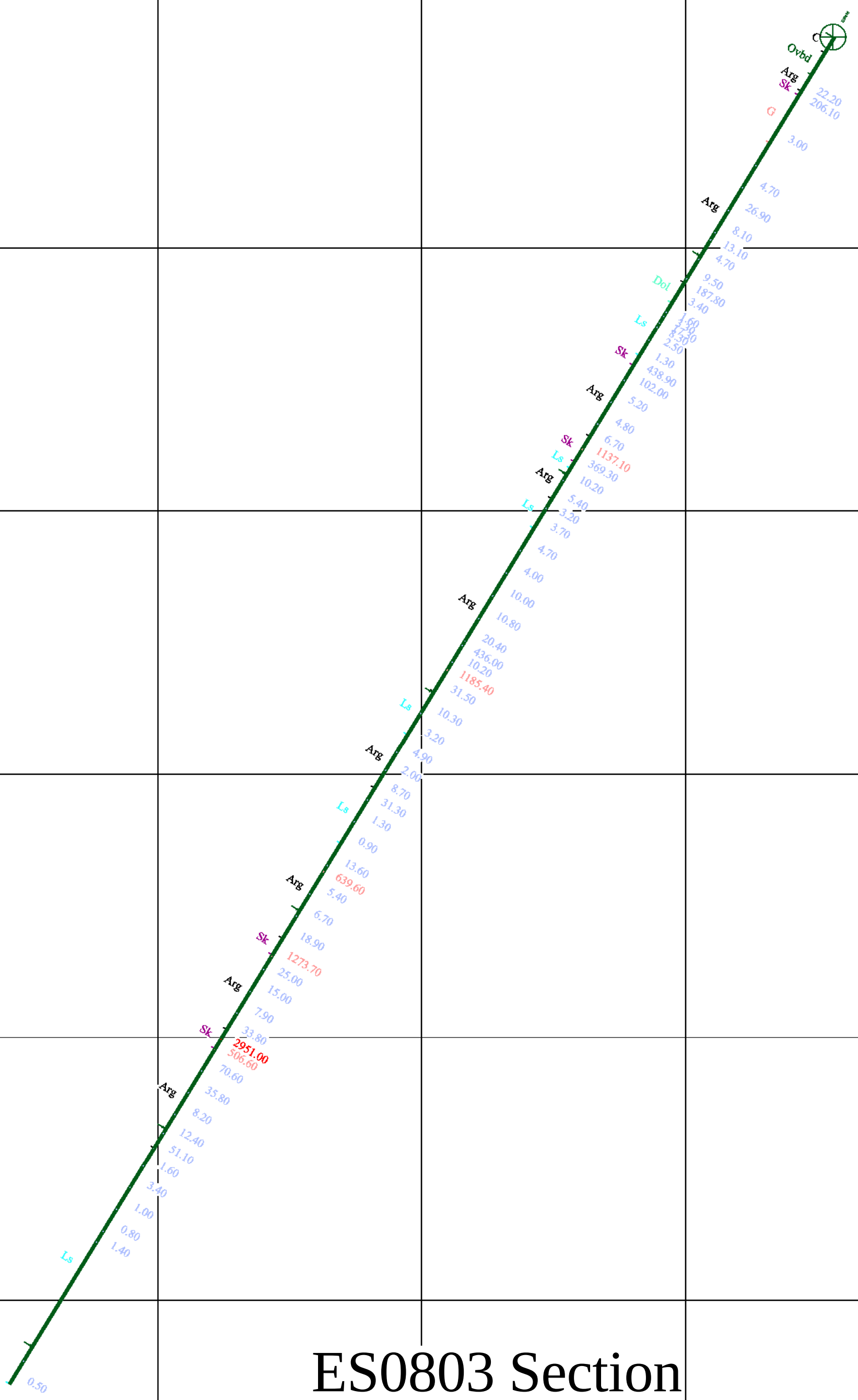
4200El 4200El

4100El 4100El

4000El 4000El

3900El 3900El

3800El



ES0803 Section

Geology and Tungsten values

main_graphics_layer_04

SULTAN MINERALS INC														
PROPERTY:		East	Emerald Tungsten	HOLE LOCATION										
HOLE:	ES0803		Anna Tsaloumas	EOH	617									
FROM (ft)	TO (ft)	LITH	DESCRIPTION	DEPTH (ft)	STRUCTURE		ALTN	MINERALIZATION						
					TYPE	ANGLE		PY	GA	MO	SPH	SH	PO	CPY
0	7	C	Casing											
7	17	OVBD	Overburden - ground pieces of biot hornfelsed silc sed & granite.											
			From ~12' , sed only.											
			From ~ 14-15' , gritty kk clay.											
17	24.5	Arg	Argillite - pugy biot hornfelsed-silc gy sediment. Biot mod as	18.00	lam	50								
			blebs along laminations.											
			- mod rusty orange feox streaks along lam, after po. Core wkly											
			magnetic with un-ox po.											
24.5	26.4	SK	Skarn developed in argillite - f.g pk gt-dk gn diop limey skarn	24.5-26.4	skarn band	50								
			developed adjacent gran contacts.Top of interval strongly dk pu	24.9-25.2	gran	50								
			feox pitted.											
			- 24.9-25.2' , intrusive felsic finger, contacts concordant. V.f.g											
			sug smokey qz -aphanitic flds domains. 2% biot gone to micaeous											
			shy gn chl. Wk f.g cubic to blebby py, mod rusty orange feox											
			pitted fractures.											
26.4	48.2	Gran	Granite	26.40	gran	50	concordant ctc							
			26.4-32.3' , felsic phase. Qz-flds component aphanitic. Pl gy											
			in colour w mod to strong fract controlled pl yl altn of flds.											
			1-3% f.g-v.c.g bn biot blades.											
			32.3- 39.7' , f.g sunhedral granitic phase, gradational ctc @ 15											
			deg tca. F.g sugary wh qz-flds rich w 3% f.g bn biot. Core w mod											
			rusty orangebn fract controlled mottle.											
			- 35.2' , 0.15' wide sug wh qz-pl gn flds pegmatitic phase. flds w											
			pl yl microfract controlled altn. Phase change along 35 deg tca											
			orientation.											
			39.7-44.9' , f.g subhedral granitic phase as32.3-39.7' interval, but											
			biot from 5-7%. Contact grad as patchy bands @ 35 deg tca.											
			- 42.3-42.8' , pegmatic phase as 35.2-35.35'. Sharp margins @											
			60 deg tca.											
			44.9-48.2' , felsic phase as 24.9-32.3', except biot blades f.g-m.g											
			only.											
48.2	112.15	Arg	Argillite - pubn biot hornfelsed.	48.20	sed ctc	60	concordant							
			48.2-67.6' , pubn biot hornfelsed sediment. Predominantly w											
			pervasive gygn ser overprint which is po destructive. Wk part	53.00	lam	80								
			pervasive cream ser overprint.											
			- leopard skin textures common											
			- mod rusty orangebn laminations and 10-40 fract.	65.00	lam	80								
			- 50.5-51.7' , 50% patchy qtz bands along laminations. Qtz is											
			sugary wh w rusty orange feox fractures. Adjacent arg w mod											
			abundant f.g-c.g blocky-elongate silcpkwh porphyroblasts.											
			-54.9' , cr gritty clay altd granitic fract fill @ 40 deg tca. Several											
			proximal, discontinous, sug wh "ribbony" FF's @ low angles tca.											
			67.6-89.3' , 37% pl gn-buff skarn banded. Bands w trace po.											
			- trace act-calc-qz fract @ 5-15 deg tca. Qz is wh, act m.g-c.g											
			and chl altd.											
			- 67.6-70' , m.g gywh ls interbed w bands of mod dissem f.g											
			translucent gn diop and transl. orange sph? + wk po dissem.											
			- 68-68.7' , lamprophyre dyke. Dk gn dense chl - carb altd	68-68.7	lamp dyke	80	sharp concordant contacts							
			groundmass. 5% calcite psuedomorphs after f.g pyx + 2%											

			m.g bn biot blades. Core is weakly magnetic.											
			- 82.7-86.8' , 60% pervasive orangebn fe oxidation along lam.											
			89.3-92.5' , dirty limestone interbed: m.g gywh w 53% skarn	92.00	band	80								
			bands. Bands are pl gn diop-buff sild w blebby peach gt cores.											
			92.5-109.2' , pervasive cream ser + py(trace-3%) overprint. Sed	105.00	band	80								
			alos very hard sild.											
			- wk 15-30 deg fract w rusty feox altn fronts that expand along											
			lam. Frequent short zones of pervasive oxidation.											
			109.2-1 09.55' , pl gn lamp dyke: gmass is perv ser-chl altd - 1%	109.2-109.55	lamp dyke ctcs	70	sharp discordant ctcs							
			f.g calc psuedomorphs after pyx - 3% f.g-m.g bn biot blades -											
			trace chl psuedo's after pyx. Core is non-magnetic.											
			110.25-112.15' , f.g gywh ls interbed. Top 1.2' skarned- dense	110.25-111.45	skarn band	80	v.f.g dissem							
			f.g dk gn diop-rdpeach gt bands. Trace pow under UV											
112.15	121.4	DOL	Dolomite - F.g sugary wh w mod abundant fine bk bands. Fizzes											
			only when scratched.											
			- wk orange oxidised+ limey narrow bands and fract @ 40-60											
			deg tca.											
			- 115.6-118.2', lamprophyre dyke as 109.2-109.55'. Upper ctc	115.6-118.2	lamp dyke									
			concordant to band. Lower ctc discordant @ 35 deg tca.	120.00	band	85								
121.4	145.65	Ls	Limestone - F.g sugary wh, fizzes wk-mod w cold HCL											
			- mod rusty orange fe oxidised+limey bands-fract network-											
			patches. F.g ox psuedomorphs visible, after sph ?											
			- 125.6-127' , strong rusty orange feox+limey band-fractnetworks-											
			patches.	126.00	band	85								
			- 127.5-1 30.7' , pervasive rusty oxidised limey core.	127.5-132.5			oxide zone							
			- 130.7-132.5' , 65% pervasive rusty oxidised limey bands.	131.00	band	60								
145.65	150.2	SK	100% Limey skarn - pl gn diop skarn w wk blebby peachbn gt ban	d145.65-150.2	skarn band	50				0.50%		rare		
			- Intermittent narrow bands of 1-5% dissem pow under UV lamp.											
			- trace spotty mo disseminations											
			145.9-147.1', 2cm wide fract running parallel to core. Fracture											
			comprises f.g-c.g act+calc+qz+gt intergrowths. 0.5% f.g bladed											
			mo aggregates and rare f.g sh dissem. Intergrowths mostly											
			perpendicular to fract wall.											
			149.2-149.35' , remnant band of biot hornfelsed arg											
150.2	182.7	Arg	Argillite - pubn biot-silc hornfelsed w 23% weakly developed	150.2-150.35	skarn band	60	v.f.g dissem							
			skarn bands. Skarn bands pl gn -buff dominant w weak blebby	155.00	band	75								
			peach gts. Bands variably limey (v.wk to strong fizz w HCL).	170.00	band	70								
			Trace narrow gywh f.g limestone interbeds.	182.00	band	70								
			- wk pervasive cr ser+py overprint, as altn halos to wk qtz-carb											
			brittle fract that parallel/subparallel banding. Mod f.g aspy also obs											
			in altn halo from from 172-172.3'. Overprint is mostly po destructive.											
			- 150.2-155.15', 55% dirty limestone interbeds. F.g gywh ls w											
			fine bn biot bands and very wk pl gn diop-blebby peachgt bands.											
			Wider section from 153.2-153.6' w pow.											
			- 155.4-160.1' , wk rusty orangebn feox fracture coatings, fract											
			20-35 deg tca.											
			- 176.8' , 0.25' wide qtz band. Qtz is clear-wh & strongly fractured.											
182.7	194.3	SK	100% Skarn - pl gn diop-peachbn gt -f.g dk gn act+calc+po+qtz	182.7-190.35	skarn band	70	v.f.g dissem					1.00%	1.00%	
			banded. Po w trace py-cpy?(greenish) intergrowths. Trace act+											
			calc+qtz-po fract @ 5-10 deg tca.											
			1% yellowish sh,, trace bluish sh, and rare f.g bluish sh. Sh w											
			strong dk gn act band focus, occuring as strongly dissem bands.											
			190.35-190.7' , f.g gywh ls interbed.											
194.3	197.3	Ls	Dirty limestone - f.g gy wh w wk to mod , fine dk bn biot bands.	195.15	skarn band	75	f.g bluish dissem					rare		
			43% pl peach gt-pl gn diop-buff sild skarn bands, after arg.											

197.3	211.2	Arg	Argillite - pubn biot-silc hornfelsed, mod magnetic w po along	200.00	band	80									
			laminations. Biot as elongate blebs along lam.												
			50% limey pl gn diop-buff sild skarn bands w tr blebby peach												
			3% narrow, f.g, gywh limestone interbeds.												
			- 206-206.4' , olive-cream ser overprint associated w minor oblique												
			qtz-carb brittle fract. Trace py.												
211.2	224.7	Ls	Dirty limestone - f.g gywh w mod relict translucent bn biot stain	212.7-215.4	skarn band	80									
			and minor fine dk bn biot bands.	224.00	band	80									
			212.7-215.4' , 48% blebby peachbn gt banded. Trace pl gn diop-												
			buff sild bands.												
224.7	299.5	Arg	Argiliite - dk pu/gywh biot-silc hornfelsed. Wk spotty po along lam.												
			Interval w variable pl gn diop-buff sild-dk gn act+ limey po+py												
			skarn bands.												
			Interval also w w variable qtz-carb+ / --py brittle fract & associated												
			pervasive kkcr ser overprint.												
			224.7-228.9' ,42% pl gn diop-buff sild, skarn bands.												
			227.2' , 0.4' wide sug wh qtz band w wk olive chl fract.												
			227.6-244.6' , wk brittle fract @ 55-60 deg tca w perv ser altn	240.00	band	80									
			halos. Interval laso w wk rusty oxidation along 15-25 deg fract,												
			banding, and brittle fract.												
			244.6-247' , 25% pl gn diop-buff sild + dk gn limey po skarn bands.												
			247-261' , pervasive ser overprint. Brittle fract now of mod intensity.												
			Overprint is po destructive. Minor py, trace aspy.												
			4% patchy sug wh qtz bands w wk po+py intergrowths.												
			Interval w mod rusty feox along low angle fract,lam,and patchy												
			qtz bands.												
			261-265.5' , 6% pl gn diop-buff sild-dk gn limey po+py bands	266.3-266.35	skarn band	70	v.f.g yellowish dissem					5.00%			
			wk to mod low to mid angle fract w cr ser altn halos.												
			265.5-285.95' , part pervasive ser overprint associated w low to mid												
			angle brittle fract and 5% patchy wh qtz flooded bands. Overprint												
			appears to be masking skarn banding, as strongly fizzing sections												
			common.												
			- 266.3' , UV lamp highlights 1cm wide dissem sh band. Sh												
			occurs in limey yl stained section.												
			- 276-277.8' , peachbn gt-pl gn/gn diop-sh banded skarn.	276.25-277.7	skarn band	75	v.f.g yellowish dissem					1.00%			
			- 277.8-278.3' , f.g dk gn blocky - calc - po - py - qz skarn.												
			Associated w 20 deg fract w same fill.												
			285.95.2-299.5' , skarny argillite.	286.2-288.05	skarn band	65	v.f.g yellowish dissem					1.00%			
			5% remnant dk bn biot hornfelsed patchy bands.				rare bluish dissem								
			1% narrow f.g gywh limestone interbeds.												
			25% limey peach gt-pl gn diop banded skarn. Gts sometimes blebby												
			4% dk gn blocky-calc-po banded skarn, some act bands observed.												
			65% pl gn-buff banded skarn after argillite.	294.00	band	60									
			- 286.2-288.05' , sh bearing section of gt-diop banded skarn												
299.5	319.2	Ls	Limestone - f.g-m.g wh ls w mod faint bn and gy diffuse	305.00	band	65									
			bands after relict biot and relict chl altd skarn minerals.												
			Top 1.5' w wk rusty low angle fract and lam.												
			Bottom 2.1' dirty w wk fine bn biot bands and 45% blebby pl peach												
			gt - pl gn diop skarn bands.												
319.2	343.8	Arg	Argillite - dkpu bn biot-gy silc hornflesed. Biot as blebs elongate	327.00	band	75									
			to lam. Core wkly magnetic w po.												

			5% weakly developed gn-buff limey skarn bands.											
			5% pervasive kkcream ser overprint. Overprint fract controlled w	335.00	band	75-80								
			expansion along lam. Fract brittle @ 5-15,30-35 & 60-65 deg tca											
			w qtz + / - carb fills. Wk patchy leopard skin text highlighyed by											
			overprint.											
			31 9.2-326' , rusty feox po and 5-30 deg fract. Strong intensity to											
			324', then weak.											
343.8	369.2	Ls	Limestone - f.g-m.g wh ls w mod faint bn and gy diffuse											
			bands after relict biot - relict chl altd skarn minerals. Mod 25-30											
			+ 10-15 deg wh ls fract											
			Limestone dirty @ top(343.8-348.9') & bottom(364.2-369.2') of											
			interval, w mod dk bn fine biot bands.											
			- 347-348.6' , mod blebby pl peach gt and minor pl gn diop	348-348.4	skarn band	65	v.f.g yellowish dissem					trace		
			skarn bands. Trace sh.											
			- 366.3-368' , wk pl peach blebby gt -pl gn diop bands.											
			Contacts w blebby peach gt bands. Upper ctc also w po+py bands.											
369.2	412.7	Arg	Skarny Argillite : dk bn biot - gy silc hornfelsed. Trace elongate											
			po along lam.											
			20% pl gn - buff - po skarn banded. Semi-massive po bands to											
			399'. Wk-mod abundant dissem po thereafter.											
			1% dk gn blocky act-calc-blebby peach gt - sh bands . Densely	379.8-379.9	2cm skarn band	65	v.f.g yellowish dissem					10.00%		
			disseminated bands noted.	380-380.1	2cm skarn band	60	v.f.g yellowish dissem					10.00%		
			371.6' & 375.3-375.7' , strongly fractured clear to wh qtz flooded	382-382.1	2cm skarn band	60	v.f.g yellowish dissem					10.00%		
			banding and 15 deg fract. Qtz w biot inclusions.	398.00			f.g blue dissem					rare		
			382.7-385.5' , wk sil+po fract @ 15 deg tca.											
			405.3-412.7' , wk qtz-carb brittle fract @ 50-60 & 80 deg tca.											
			Fract selvage andkkcr ser altd halos w wk-mod py+aspy.											
			fract are subparallel to band.											
			409.8-410.35' , limey gn diop-peach gt skarn band w tungsten	409.8-410.35	0.5' skarn band	40	v.f.g yellowish dissem					trace		
			bearing patch of intergrown m.g act-calc. Rare py throughout.											
			Skarn developed in dirty limestone interbed: 10% unskarned.											
			m.g gywh ls.											
412.7	420.3	SK	95% skarn developed in dirty limestone. Remnant ls is m.g gywh	412.7-420.3	banded skarn	60	v.f.g yellowish dissem					1.00%		
			w wkly fine bn biot bands.	414.8-417.2	subsection							3.00%		
			- Limey pl gn diop-peach gt bands dominate											
			- 22% m.g dk gn act-calc-po bands. Po mod abundant w rare											
			intergrown greenish py?cpy?. Rare bladed mo aggregates.											
			Skarn w dissem sh. Sh mostly as strong disseminations in the											
			narrow act bands, which occur intermittently throughout. Limey											
			skarn w trace dissem.											
			- 418-418.4' , c.g act-calc-qtz fract @ 20 deg tca											
420.3	454.5	Arg	Skarny Argillite : dk bn biot - gy silc hornfelsed. Trace elongate	430.00	band	65								
			po along lam.	438.00	band	75								
			25% buff-pl gn diop skarn banded w equal ratioof bands	453.00	band	70								
			in limey horizons. 5% of bands w dissem po.											
			2.5% dk gn act-calc skarn bands											
			<1% f.g pl gy limestone interbeds.											
			- <1% clear to xtalline qtz flooded bands & 5-10 & 40-45 deg tca											
			fracture. Qtz w wk to mod po.											
			- 426.5-427.5' , 35% aplitic wallrx flooding along band and 10 deg											
			tca fracture. Aplite is ceramic wh aphanitic to ceramic wh flds +											
			smokey qz subhedral fabric w shy chl altd mafics.											
			- 447-452.8' , 15% aplitic wall rx flooding. Flooding as patchy											
			bands. Aplite ceramic wh aphanitic to ceramic wh flds+clear qz											
			subhedral fabric.											
454.5	463.25	SK	100% Skarn - f.g pl gn(-med gn) diop + peach gt + sh banded	454-463.25	band skarn	70-80	v.f.g yellowish dissem, tr blue					trace		

			limey skarn.	455-458.9	subsection		v.f.g yellowish dissem, tr blue					5.00%		
			- 457.5-460.1' , m.g dk gn act-qz-calc-pl peach gt - sh - mo fract ,	461.2-462.1	subsection		v.f.g yellowish dissem, tr blue					5.00%		
			running parallel tca @ 10 deg. Patchy altn fronts expand from											
			fracture along banding. Sh is f.g and visible in patchy bands.											
			Fract sh is m.g-c.g. Mo is f.g to m.g and bladed.											
			Sh throughout is yellowish w <1% bluish colours.											
463.25	508.75	Arg	Argillite - pubn biot-gy silc hornfelsed. Trace elongate po along	463.25-480			f.g bluish dissem					trace		
			laminations.	480-508.75			f.g bluish dissem					rare		
			463.25-480' - skarny argillite. 45% buff-pl gn skarn banded, trace	467.00	band	80								
			blebby peach gt bands. 5% bands w dissem po. A few bands	480.00	band	70								
			Scattered sh disseminations, now f.g	483.00	band	40								
			- trace clear to xtalline qtz x-fract @ 10 deg tca and patchy bands.											
			Qtz w wk po+rare cpy?(greenish)											
			480-506' - 1-3% pl gn-buff skarn bands only. Bands w scattered	487.00	band	60								
			f.g sh disseminations and fine low angle qtz+po x-fract.											
			- wk qtz-carb brittle fract w perv kkcr ser+py+ /- aspy											
			altn halos-envelopes. 7% of section w overprint.											
			brittle fract mostly subvertical tca.											
			- Rare ceramic wh flds+qz aplitic FF's.	497.00	band	55								
			- Rare patchy xtalline clear to wh qtz bands w po.											
			- 481.6-485.5' , crenulated laminations.											
			- 487.5-488.7' , dirty limestoneinterbed: m.g gywh w pl gn hue.	502.00	band	65								
			Wk fine dk bn biot bands, wkly magnetic w po. Contacts w											
			blebby peach gt banding.											
			- 497.6-498.3' , wkly feoxidised brittle fract/ser-py envelope.											
			- 502-502.25' , m.g wh ls interbed											
			- 502.25-503.5' , cg dk gn act-qtz-calc fract @ 10 deg tca. Fract											
			w trace v.f.g py and rare m.g sphl. Fract halo irregularly skarned.											
			506-507.6' , skarn: f.g pl gn diop-peach gt banded limey skarn.	506.2-507.4	skarn band	75	v.f.g bluish dissem					trace		
			Section w 1.2' internal segment including 60% m.g dk											
			gn act-calc-qz bands w f.g dissem gts + v.f.g sh and											
			3% f.g wh ls interbeds.											
508.75	617	Ls	Reeves Limestone											
			508.75-518.3' , gybk f.g-m.g finely banded limestone. Moderate	515.00	band	65								
			brittle fracture w wh limestone fills. Fracture gives minor offsets.											
			- 516.1-516.7' , trace feox psuedomorphs after f.g. sulphide.											
			518.3-541' , f.g-c.g wh ls w scattered poorly defined diffuse gy	542.00	band	65								
			bands. Frequent zones w wk f.g po dissem defining band/bed?.											
			Po partly rusty fe oxidised.											
			541-584' , f.g(-c.g) gybk/wh finely banded ls. 7% broad wh bands.											
			Intermittent zones w wh ls filled offsetting brittle fracture.	562.00	band	80								
			- 548.1-551.5' , 10% translucent gn psudomorphs after f.g act,	572.00	band	70								
			as narrow banded disseminations. Bands w trace f.g po. Rare											
			transl. bn streaks after biot ? Po oxidised @ top of interval.	587.00	band	55								
			- 598.8-601.9' , massive wh c.g section. Faint gy bands towards											
			end of interval.											
			584-591.3' , f.g-m.g dkgy finely banded, banding mod well defined.											
			591.3-507' , c.g wh w wk diffuse gy bands.											
			- 602.1-602.45' , v.f.g wh w bn stained margins after biot?	602.00	band	50								
			507-617' , f.g(-m.g) wh w mod dk gy patchy banding.											
			- 607-607.2', patchy bands of f.g dissem bk mineral.											
			- 613.1-615.8' , void. Core either side of void w rusty stained											
			fracture coating @ 30 deg tca.	616.00	band	50								
			EOH											

Sultan Minerals - Jersey

JM08-03

					Mo	Pb	Zn	Ag	Au	W
TAG #	**Hole ID**	**From**	**To**	**Width**	**ppm**	**ppm**	**ppm**	**ppm**	**ppb**	**ppm**
68173	JM08-03	2.50	10.10	7.60	13	21.1	**5691**	0.5	2	1.5
68174	JM08-03	10.10	13.30	3.20	5.3	**292.9**	**55000**	**1.4**	9	1.3
68175	JM08-03	13.30	18.00	4.70	10	154.2	**399**	1.1	4	1
68176	JM08-03	18.00	28.00	10.00	5.5	6.5	46	0.4	5	0.3
68177	JM08-03	28.00	37.50	9.50	0.6	0.05	7	0.1	3	0.3
68178	JM08-03	37.50	43.60	6.10	1.6	28.3	**367**	0.4	7	6.3
68179	JM08-03	43.60	49.70	6.10	5.2	20.9	**530**	0.5	3	2.8
68180	JM08-03	49.70	54.20	4.50	1.8	49.8	146	0.6	84	12.6
68181	JM08-03	54.20	57.50	3.30	1.1	79.3	163	1.1	1	2.2
68182	JM08-03	57.50	64.00	6.50	1.1	**4894.1**	**9600**	**13.9**	11	1.1
68183	JM08-03	64.00	74.00	10.00	1.1	91.8	**365**	0.7	1	1.6
68184	JM08-03	74.00	84.00	10.00	1.1	49.3	114	0.4	0.05	0.9
68185	JM08-03	84.00	94.00	10.00	3.7	14.3	59	0.4	2	1
68186	JM08-03	94.00	98.00	4.00	3.2	46.7	22	0.3	2	2.4
68187	JM08-03	98.00	108.00	10.00	70.6	45.8	43	0.2	0.05	2.1
68188	JM08-03	108.00	118.00	10.00	11.1	33.6	107	0.3	1	1.9
68189	JM08-03	118.00	127.50	9.50	11.2	42.8	52	0.3	1	2.4
68190	JM08-03	127.50	134.05	6.55	7.7	27.3	98	0.3	4	2.6
68191	JM08-03	134.05	140.10	6.05	2.6	17.8	94	0.3	3	1.2
68192	JM08-03	140.10	148.00	7.90	4.3	22	63	0.2	1	1.4
68193	JM08-03	148.00	158.00	10.00	2.7	20.5	71	0.2	1	0.8
68194	JM08-03	158.00	168.00	10.00	1.6	23.6	62	0.3	3	0.6
68195	JM08-03	168.00	178.00	10.00	4.7	18.2	85	0.2	9	0.6
68196	JM08-03	178.00	188.00	10.00	7.4	15.5	67	0.2	16	0.6
68197	JM08-03	188.00	198.00	10.00	4.6	14.4	70	0.2	6	1
68198	JM08-03	198.00	208.00	10.00	1.7	12.7	86	0.3	4	0.9
68199	JM08-03	208.00	218.00	10.00	1.2	18.2	85	0.3	5	1
68200	JM08-03	218.00	228.00	10.00	1.2	21	90	0.4	5	1.6
68201	JM08-03	228.00	238.00	10.00	1.3	22.6	80	0.3	7	3
68202	JM08-03	238.00	247.80	9.80	28.3	33.1	67	0.2	5	1.8
68203	JM08-03	247.80	257.80	10.00	2.2	29.7	88	0.7	4	1.4
68204	JM08-03	257.80	266.20	8.40	1.7	21	76	0.6	5	2.3
68205	JM08-03	266.20	276.20	10.00	1.1	23.6	71	0.2	1	2.5
68206	JM08-03	276.20	285.70	9.50	1.8	26.6	48	0.2	2	1.5
68207	JM08-03	285.70	295.70	10.00	1.7	23.1	46	0.2	3	1.7
68208	JM08-03	295.70	302.00	6.30	2.5	16.3	95	0.3	4	1.6
68209	JM08-03	302.00	308.00	6.00	86.8	17.7	86	0.2	5	2.4
68210	JM08-03	308.00	318.00	10.00	15.1	11.1	96	0.3	4	2
68211	JM08-03	318.00	328.00	10.00	7.1	12	62	0.2	3	1.6
68212	JM08-03	328.00	338.00	10.00	2.2	15.1	67	0.3	4	1.3
68213	JM08-03	338.00	348.00	10.00	3.1	21.4	71	0.3	3	1.3
68214	JM08-03	348.00	358.00	10.00	38.7	19.6	69	0.3	6	5.5
68215	JM08-03	358.00	368.00	10.00	10.4	19.4	63	0.3	7	4.4
68216	JM08-03	368.00	378.00	10.00	2	21.8	45	0.3	6	1.4
68217	JM08-03	378.00	388.00	10.00	10.8	20	65	0.3	2	3.2
68218	JM08-03	388.00	398.00	10.00	2.5	18.6	54	0.3	7	5.8
68219	JM08-03	398.00	408.00	10.00	23.8	17.5	54	0.7	24	4.6
68220	JM08-03	408.00	418.00	10.00	3.3	18.6	46	0.4	4	1.9
68221	JM08-03	418.00	425.00	7.00	1.8	18.1	71	0.4	5	1.3

68222	JM08-03	425.00	428.00	3.00	14.7	7.2	79	0.5	36	**778.8**
68223	JM08-03	428.00	438.00	10.00	1.4	15.4	76	0.3	7	3.7
68224	JM08-03	438.00	443.00	5.00	66.4	12	62	0.2	2	6.1
68225	JM08-03	443.00	453.00	10.00	5.2	24.8	23	0.2	3	1.6
68226	JM08-03	453.00	463.00	10.00	3	29.7	19	0.2	6	1.8
68227	JM08-03	463.00	473.00	10.00	3.7	28.2	14	0.3	9	1.8
68228	JM08-03	473.00	483.00	10.00	4.3	25.4	15	0.2	5	2.3
68229	JM08-03	483.00	493.00	10.00	2.2	30.7	17	0.2	3	1.6
68230	JM08-03	493.00	503.00	10.00	0.2	27	19	0.2	4	1.5
68231	JM08-03	503.00	513.00	10.00	0.2	27.6	21	0.2	5	1.2
68232	JM08-03	513.00	523.00	10.00	1.1	25.8	20	0.5	4	1.4
68233	JM08-03	523.00	533.00	10.00	0.4	25.8	23	0.2	1	1.7
68234	JM08-03	533.00	539.00	6.00	7	26.9	20	0.2	0.05	1.5
68235	JM08-03	539.00	548.00	9.00	44.8	26.1	24	0.2	5	1.9
68236	JM08-03	548.00	558.00	10.00	2.3	30.1	24	0.2	2	1.7
68237	JM08-03	558.00	568.00	10.00	162.6	24.7	20	0.3	9	1.7
68238	JM08-03	568.00	578.00	10.00	57.8	17.2	13	0.1	4	1.5
68239	JM08-03	578.00	588.00	10.00	45.8	38.6	22	0.2	56	1.5
68240	JM08-03	588.00	598.00	10.00	74.6	21.1	24	0.2	11	1.2
68241	JM08-03	598.00	608.00	10.00	39.4	20.7	24	0.2	9	1.9
68242	JM08-03	608.00	618.00	10.00	106.5	25.7	27	0.2	8	0.6
68243	JM08-03	618.00	628.00	10.00	74.2	21.2	21	0.3	4	0.5
68244	JM08-03	628.00	638.00	10.00	13.7	25.9	25	0.2	2	1.4
68245	JM08-03	638.00	648.00	10.00	157.4	19.1	21	0.2	3	0.9
68246	JM08-03	648.00	658.00	10.00	93.8	26.3	22	0.2	4	0.9
68247	JM08-03	658.00	668.00	10.00	31.3	26	20	0.2	8	1.1
68248	JM08-03	668.00	678.00	10.00	27.5	30.9	27	0.2	4	0.7
68249	JM08-03	678.00	688.00	10.00	330.4	26.3	23	0.2	6	1.9
68250	JM08-03	688.00	694.30	6.30	21.2	22.8	22	0.2	6	2
68251	JM08-03	694.30	698.50	4.20	2.7	41.8	80	1.1	9	2.4
68252	JM08-03	698.50	708.00	9.50	66.5	47.8	30	1	8	6
68253	JM08-03	708.00	718.00	10.00	35	36.7	26	0.4	6	2.1
68254	JM08-03	718.00	728.00	10.00	113.6	33.7	18	0.2	8	1.9
68255	JM08-03	728.00	738.00	10.00	31	23.8	16	0.2	14	2.1
68256	JM08-03	738.00	748.00	10.00	15.5	19.4	15	0.2	8	2.7
68257	JM08-03	748.00	758.00	10.00	114.6	24.3	17	0.2	17	5
68258	JM08-03	758.00	763.00	5.00	**278.4**	21.8	36	0.3	10	3.3
68259	JM08-03	763.00	773.00	10.00	7.3	24.7	21	0.2	6	1.7
68260	JM08-03	773.00	778.00	5.00	30.6	21	12	0.2	68	1.1
68261	JM08-03	778.00	788.00	10.00	5.9	24.3	22	0.2	6	0.9
68262	JM08-03	788.00	791.00	3.00	**7284.3**	15	9	0.7	83	10.3
68263	JM08-03	791.00	801.00	10.00	47.2	21	22	0.3	7	1.2
68264	JM08-03	801.00	808.00	7.00	19.8	21.9	26	0.2	4	0.6
68265	JM08-03	808.00	811.00	3.00	7.1	16.9	19	0.3	14	0.6
68266	JM08-03	811.00	821.00	10.00	3.6	23.4	21	0.2	2	1.3
68267	JM08-03	821.00	831.00	10.00	4.8	24.1	17	0.2	3	0.4
68268	JM08-03	831.00	841.00	10.00	3.6	23.8	15	0.2	90	1.3
68269	JM08-03	841.00	848.00	7.00	15.9	17.1	16	0.2	8	2.3
68270	JM08-03	848.00	858.00	10.00	7.8	20.4	18	0.2	12	2.2
68271	JM08-03	858.00	868.00	10.00	5.4	23	21	0.2	5	0.4
68272	JM08-03	868.00	878.00	10.00	34.8	60.2	20	0.3	15	2.3
68273	JM08-03	878.00	888.00	10.00	**372.3**	19.1	17	0.2	18	5.9

68274	JM08-03	888.00	893.00	5.00	10	24.2	20	0.2	38	2.1
68275	JM08-03	893.00	898.00	5.00	20.9	17.2	19	0.2	6	1.9
68276	JM08-03	898.00	903.00	5.00	38.2	15.2	18	0.2	34	7
68277	JM08-03	903.00	908.00	5.00	16.2	17.6	21	0.2	9	3.8
68278	JM08-03	908.00	915.00	7.00	**241.3**	17.8	24	0.2	16	5.8
68279	JM08-03	915.00	918.00	3.00	55.1	15.1	25	0.2	10	6.4
68280	JM08-03	918.00	928.00	10.00	65.2	18.4	23	0.2	6	5.9
68281	JM08-03	928.00	938.00	10.00	122.9	21.5	24	0.2	134	5.7
68282	JM08-03	938.00	948.00	10.00	55.6	24.8	23	0.4	**2100**	3.7
68283	JM08-03	948.00	954.00	6.00	**866.4**	16.8	18	0.2	28	9.7
68284	JM08-03	954.00	960.00	6.00	16.5	16.9	22	0.2	13	3.4
68285	JM08-03	960.00	965.00	5.00	**1078.9**	19.1	16	0.7	**1120**	9.5
68286	JM08-03	965.00	968.00	3.00	**1042.7**	11.4	13	0.5	70	7.6
68287	JM08-03	968.00	978.00	10.00	9.9	17	21	0.2	22	29.2
68288	JM08-03	978.00	988.00	10.00	134.7	19.2	22	0.3	136	44.4
68289	JM08-03	988.00	995.00	7.00	18.1	17.8	25	0.2	9	2.6
68290	JM08-03	995.00	998.00	3.00	**1392.1**	21.5	16	**2.7**	**4240**	16
68291	JM08-03	998.00	1008.00	10.00	14	19	24	0.2	5	1.2
68292	JM08-03	1008.00	1018.00	10.00	10.2	19.8	24	0.2	6	0.5
68293	JM08-03	1018.00	1028.00	10.00	5.8	20.8	24	0.2	2	0.5
68294	JM08-03	1028.00	1038.00	10.00	61.4	26.3	24	0.3	18	1.1
68295	JM08-03	1038.00	1048.00	10.00	5.1	19.7	23	0.2	8	1.2
68296	JM08-03	1048.00	1058.00	10.00	4.6	22.1	28	0.3	1	0.3
68297	JM08-03	1058.00	1068.00	10.00	4	22	25	0.3	2	0.4
68298	JM08-03	1068.00	1078.00	10.00	7.6	19.6	24	0.2	1	0.3
68299	JM08-03	1078.00	1088.00	10.00	2	23	21	0.2	3	0.6
68300	JM08-03	1088.00	1098.00	10.00	3.4	22.7	20	0.2	5	0.7
68301	JM08-03	1098.00	1107.00	9.00	2.6	24.3	18	0.2	3	0.6
			EOH							

ACME ANALYTICAL LABORATORIES LTD.
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Client: **Sultan Minerals**
1400 - 570 Granville St.
Vancouver BC V6C 3P1 Canada

Submitted By: A. Troup
Receiving Lab: Canada-Vancouver
Received: December 04, 2008
Report Date: January 09, 2009
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN0801 1410.1

CLIENT JOB INFORMATION

Project: Jersey Posie
Shipment ID: ONE
P.O. Number
Number of Samples: 6

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
R150	6	Crush, split and pulverize rock to 200 mesh		
1DX	6	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed
7AR	6	1:1:1 Aqua Regia digestion ICP-ES analysis	1	Completed
7KP	1	Phosphoric acid leach, ICP-ES analysis	0.5	Completed

ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Sultan Minerals
1400 - 570 Granville St.
Vancouver BC V6C 3P1
Canada

CC: Perry Grunenberg

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG

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Client: **Sultan Minerals**
1400 - 570 Granville St.
Vancouver BC V6C 3P1 Canada

Project: Jersey Posie

Report Date: January 09, 2009

CERTIFICATE OF ANALYSIS VAN0801 1410.1

Method		WGHT	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
08POS-07	Rock	4.47	35.7	202.0	1.8	86	0.4	24.2	7.8	6952	6.45	0.7	37.4	2.5	3.4	15	0.2	0.3	0.7	85	3.36
08POS-08	Rock	2.72	242.2	91.0	4.0	436	0.2	16.3	4.4	3628	1.50	<0.5	22.1	1.8	1.9	16	0.9	<0.1	1.3	17	2.41
08POS-09	Rock	0.60	1837	43.3	2.3	116	0.2	15.0	5.2	5628	4.12	<0.5	28.8	2.3	2.6	8	1.1	2.0	0.2	74	2.44
08POS-10	Rock	3.75	11.0	45.9	2.0	918	<0.1	75.4	6.5	408	1.09	5.1	6.3	2.9	8.9	140	8.9	<0.1	5.8	76	4.01
08POS-11	Rock	2.01	66.0	241.0	2.5	>10000	0.4	100.4	14.5	420	2.84	<0.5	9.7	8.5	7.3	125	112.8	<0.1	17.4	144	2.66
08POS-12	Rock	2.75	21.7	239.1	1.7	3780	0.3	111.2	13.7	1546	3.92	<0.5	12.7	19.6	10.1	89	26.2	0.1	43.6	328	4.11

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Client: **Sultan Minerals**
1400 - 570 Granville St.
Vancouver BC V6C 3P1 Canada

Project: Jersey Posie

Report Date: January 09, 2009

CERTIFICATE OF ANALYSIS VAN0801 1410.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	7AR	7KP
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Zn	W
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.01	0.005
08POS-07	Rock	0.916	16	20	0.19	74	0.040	<20	1.03	0.039	0.04	26.1	<0.01	0.8	<0.1	1.84	16	3.6	N.A.	
08POS-08	Rock	0.302	16	4	0.04	3	0.018	40	0.53	0.004	<0.01	>100	<0.01	0.4	<0.1	0.70	3	0.9	N.A.	0.710
08POS-09	Rock	0.252	9	10	0.06	6	0.031	<20	0.72	0.016	0.02	61.4	<0.01	0.6	0.2	2.32	11	7.2	N.A.	
08POS-10	Rock	0.116	10	20	0.33	35	0.091	<20	3.51	0.349	0.04	>100	<0.01	1.4	<0.1	0.24	11	3.8	N.A.	0.053
08POS-11	Rock	0.147	10	24	0.47	40	0.058	<20	3.41	0.158	0.07	>100	<0.01	1.4	<0.1	1.89	12	33.8	1.05	0.107
08POS-12	Rock	0.090	13	80	2.13	68	0.157	<20	5.10	0.381	1.43	>100	<0.01	7.7	2.4	1.54	18	8.7	N.A.	0.143

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Client: **Sultan Minerals**
1400 - 570 Granville St.
Vancouver BC V6C 3P1 Canada

Project: Jersey Posie
Report Date: January 09, 2009

QUALITY CONTROL REPORT VAN0801 1410.1

Method		WGHT	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5		0.5	0.1	1	0.1	0.1	0.1	2	0.01
Reference Materials																					
STD DS7	Standard		18.9	113.8	69.0	399	0.9	51.2	9.6	652	2.43	45.2	5.0	71.3	3.8	68	5.6	3.5	4.6	79	0.91
STD DS7	Standard		19.7	118.5	72.4	413	1.2	55.7	10.0	665	2.45	52.3	4.9	53.4	4.0	72	6.1	3.3	4.8	82	0.92
STD KP-1	Standard																				
STD KP-1	Standard																				
STD R4A	Standard																				
STD R4A	Standard																				
STD DS7 Expected			20.9	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	5.9	4.5	86	0.93
STD KP-1 Expected																					
STD R4A Expected																					
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
G1	Prep Blank	<0.01	0.2	3.0	2.1	48	<0.1	3.6	4.6	547	1.82	<0.5	1.3	1.5	3.3	39	<0.1	<0.1	0.1	36	0.46

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Project: Jersey Posie
Report Date: January 09, 2009

QUALITY CONTROL REPORT VAN0801 1410.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	7AR	7KP
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Zn	W
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.01	0.005
Reference Materials																				
STD DS7	Standard	0.072	11	171	1.05	411	0.116	51	1.02	0.090	0.46	4.5	0.18	2.4	4.4	0.19	4	2.6		
STD DS7	Standard	0.075	11	175	1.09	434	0.121	54	1.07	0.088	0.47	3.8	0.19	2.3	4.4	0.20	5	4.4		
STD KP-1	Standard																			0.748
STD KP-1	Standard																			0.749
STD R4A	Standard																		3.32	
STD R4A	Standard																		3.32	
STD DS7 Expected		0.08	13	163	1.05	370	0.124	39	0.959	0.073	0.44	3.8	0.2	2.5	4.2	0.21	5	3.5		
STD KP-1 Expected																				0.74
STD R4A Expected																			3.31	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5		
BLK	Blank																			<0.005
BLK	Blank																		<0.01	
Prep Wash																				
G1	Prep Blank	0.085	5	8	0.60	257	0.128	<20	0.89	0.041	0.53	<0.1	<0.01	1.7	0.4	<0.05	2	<0.5	N.A.	

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Client:Sultan Minerals
1400 - 570 Granville St.
Vancouver BC V6C 3P1 Canada

Submitted By:	
Receiving Lab:	Perry Grunenberg
Received:	Canada-Vancouver
Report Date:	September 12, 2008
Page:	November 06, 2008
	1 of 2

CERTIFICATE OF ANALYSIS VAN08009285.1

CLIENT JOB INFORMATION

Project:	JERSEY
Shipment ID:	
P.O. Number	
Number of Samples:	2

SAMPLE DISPOSAL

RTRN-PLP	Store After 90 days Invoice for Storage
RTRN-RJT	Dispose of Reject After 90 days

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
R150	2	Crush, split and pulverize rock to 200 mesh		
Group 1T	2	4 Acid digestion Ultratrace ICP-MS analysis	0.25	Completed

ADDITIONAL COMMENTS

Invoice To: Sultan Minerals
1400 - 570 Granville St.
Vancouver BC V6C 3P1
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
RAYMOND CHAN

ACME ANALYTICAL LABORATORIES LTD.
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Client: **Sultan Minerals**
1400 - 570 Granville St.
Vancouver BC V6C 3P1 Canada

Project: JERSEY

Report Date: November 06, 2008

CERTIFICATE OF ANALYSIS VAN08009285.1

	Method	WGHT	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.05	0.02	0.02	0.2	20	0.1	0.2	2	0.02	0.2	0.1	0.1	0.1	1	0.02	0.02	0.04	1	0.02
08P0S-01	Rock	1.78	12.54	79.93	6.65	449.6	227	111.8	8.4	675	1.87	1.2	7.7	<0.1	7.0	261	4.03	0.21	0.28	820	4.43
08P0S-02	Rock	2.71	0.74	29.62	5.73	84.9	120	16.4	3.9	283	1.88	3.4	1.9	<0.1	7.3	186	0.23	0.20	0.11	58	5.92

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Client: **Sultan Minerals**
1400 - 570 Granville St.
Vancouver BC V6C 3P1 Canada

Project: JERSEY

Report Date: November 06, 2008

CERTIFICATE OF ANALYSIS VAN08009285.1

	Method	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Be	Sc	S	Y	Ce	Pr	Nd	Sm
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.1	1	0.02	1	0.001	0.02	0.002	0.02	0.1	0.2	0.1	1	0.1	0.04	0.1	0.02	0.1	0.1	0.1
08P0S-01	Rock	0.158	29.8	62	3.47	2099	0.259	4.67	0.562	1.82	1.5	35.2	2.4	3	7.4	0.09	29.0	48.85	6.9	27.2	4.4
08P0S-02	Rock	0.038	25.0	42	4.11	1361	0.253	5.26	0.936	2.36	0.9	22.3	2.1	1	6.5	<0.04	18.5	49.46	6.6	24.8	4.1

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Client: **Sultan Minerals**
1400 - 570 Granville St.
Vancouver BC V6C 3P1 Canada

Project: JERSEY
Report Date: November 06, 2008

CERTIFICATE OF ANALYSIS VAN08009285.1

Method	1T	1T	1T	1T	1T	1T	1	1T	1T	1T	1T	1T	1	1	1T	1T
Analyte	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Li	Rb	Ta	Nb	Cs	Ga
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL											0.1					
08P0S-01	Rock	0.9	3.9	0.6	4.2	0.9	2.8	0.3	2.5	0.4	0.92	23.6	99.4	0.5	10.50	2.8	10.45
08P0S-02	Rock	0.8	3.7	0.6	3.6	0.7	1.9	0.3	2.1	0.3	0.60	15.8	111.5	0.5	8.91	2.9	11.25

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www.acmelab.com

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1400 - 570 Granville St.
Vancouver BC V6C 3P1 Canada

Project: JERSEY
Report Date: November 06, 2008

QUALITY CONTROL REPORT VAN08009285.1

Method		WGHT	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T
Analyte		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.05	0.02	0.02	0.2	20	0.1	0.2	2	0.02	0.2		0.1	0.1	1	0.02	0.02	0.04	1	0.02
Reference Materials																					
STD OREAS24P	Standard		1.76	46.58	2.82	116.3	255	137.8	42.9	1101	7.98	1.9	0.6	<0.1	2.4	383	0.09	0.10	<0.04	153	5.89
STD OREAS45P	Standard		2.19	742.6	23.11	147.0	596	364.9	120.5	1287	19.26	12.2	2.1	<0.1	8.9	35	0.19	0.73	0.22	249	0.33
STD OREAS24P Expected			1.5	52	2.9	114	60	141	44	1100	7.97	2	0.75		2.85	403	0.3	0.14		183	6.07
STD OREAS45P Expected			1.9	749	22	141	320	385	120	1270	19.22	13.4	2.4	0.055	9.8	32.6	0.2	0.92	0.21	267	0.3
BLK	Blank		<0.05	<0.02	<0.02	<0.2	<20	<0.1	<0.2	<2	<0.02	<0.2	<0.1	<0.1	<0.1	<1	<0.02	<0.02	<0.04	<1	<0.02
Prep Wash																					
G1	Prep Blank	<0.01	0.26	14.57	20.65	50.4	57	4.4	4.7	761	2.46	0.9	3.8	<0.1	7.4	722	0.06	0.07	0.18	52	2.51

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QUALITY CONTROL REPORT VAN08009285.1

	Method	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Be	Sc	S	Y	Ce	Pr	Nd	Sm
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.1	1	0.02	1	0.001	0.02	0.002	0.02	0.1	0.2	0.1	1	0.1	0.04	0.1	0.02	0.1	0.1	0.1
Reference Materials																					
STD OREAS24P	Standard	0.143	17.4	203	3.94	290	1.012	7.69	2.386	0.75	0.4	131.7	1.6	<1	19.6	<0.04	20.3	33.63	4.7	20.3	4.7
STD OREAS45P	Standard	0.052	25.0	1012	0.22	307	0.986	6.53	0.079	0.42	1.0	155.5	2.8	<1	63.3	<0.04	13.2	47.94	6.0	22.5	4.2
STD OREAS24P Expected		0.136	17.4	221	4.13	285	1.1	7.66	2.31	0.7	0.5	141	1.6		20		22.9	37.6	4.7	19.9	4.7
STD OREAS45P Expected		0.047	24.8	1140	0.22	281	1.18	6.82	0.081	0.35	1.1	279	3.1		67.1	0.03	18	48.9	5.4	21	4.51
BLK	Blank	<0.001	<0.1	<1	<0.02	<1	<0.001	<0.02	<0.002	<0.02	<0.1	<0.2	<0.1	<1	<0.1	<0.04	<0.1	<0.02	<0.1	<0.1	<0.1
Prep Wash																					
G1	Prep Blank	0.095	26.6	7	0.69	1027	0.231	7.43	2.757	2.11	0.1	7.9	1.3	3	5.2	<0.04	14.9	52.15	6.6	23.3	3.4

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QUALITY CONTROL REPORT VAN08009285.1

	Method	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T
	Analyte	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Li	Rb	Ta	Nb	Cs	Ga
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.02	0.1	0.1	0.1	0.04	0.1	0.02
Reference Materials																	
STD OREAS24P	Standard	1.5	5.0	0.8	4.4	0.8	2.2	0.3	1.7	0.2	3.22	8.4	20.4	0.9	19.28	0.7	18.40
STD OREAS45P	Standard	1.1	3.7	0.6	3.6	0.6	1.7	0.2	1.6	0.2	3.71	15.8	23.8	1.0	20.58	2.1	23.44
STD OREAS24P Expected		1.6	5.3	0.81	4.6	0.8	2.2	0.3	1.83	0.25	3.6	8.7	22.4	1.3	21	0.8	19.43
STD OREAS45P Expected		1.2	4	0.69	4.1	0.78	2.2	0.32	2.1	0.31	3.8	14.7	23	1.33	24	2	21.5
BLK	Blank	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.02	<0.1	<0.1	<0.1	<0.04	<0.1	0.13
Prep Wash																	
G1	Prep Blank	1.0	3.0	0.5	2.9	0.5	1.7	0.2	1.5	0.3	0.55	40.6	72.4	1.1	21.49	4.5	18.13

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Submitted By:
Receiving Lab: A. Troup
Received: Canada-Vancouver
Report Date: September 29, 2008
Page: October 06, 2008
1 of 2

CERTIFICATE OF ANALYSIS VAN08009804.1

CLIENT JOB INFORMATION

Project: JERSEY
Shipment ID:
P.O. Number
Number of Samples: 4

SAMPLE DISPOSAL

DISP-PLP	Dispose of Pulp After 90 days
DISP-RJT	Dispose of Reject After 90 days

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
R150	4	Crush, split and pulverize rock to 200 mesh		
1DX	4	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed
DIS-RJT	4	Warehouse handling / Disposition of reject		

ADDITIONAL COMMENTS

Invoice To: Sultan Minerals
1400 - 570 Granville St.
Vancouver BC V6C 3P1
Canada

CC: Spurlin Edwards

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG

ACME ANALYTICAL LABORATORIES LTD.
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Client: **Sultan Minerals**
1400 - 570 Granville St.
Vancouver BC V6C 3P1 Canada

Project: JERSEY

Report Date: October 06, 2008

CERTIFICATE OF ANALYSIS VAN08009804.1

Method		WGHT	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
08-POS-03	Rock	0.88	30.1	18.3	5.5	130	0.2	13.7	0.7	66	0.66	1.3	7.2	<0.5	3.7	22	1.8	0.1	0.4	303	0.81
08-POS-04	Rock	1.23	38.3	828.9	8.9	>10000	1.0	135.8	39.9	520	10.33	4.4	8.8	32.7	4.4	16	191.7	0.2	51.2	346	1.12
08-POS-05	Rock	1.42	16.1	82.8	6.7	6322	0.2	88.5	9.4	842	1.88	1.9	12.5	13.6	8.9	179	60.2	0.1	45.1	177	7.17
08-POS-06	Rock	1.31	4.9	27.2	5.1	798	<0.1	90.2	5.0	410	0.72	3.7	4.5	9.6	9.1	140	8.0	<0.1	31.2	113	2.61

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CERTIFICATE OF ANALYSIS VAN08009804.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
08-POS-03	Rock	0.316	6	54	0.49	106	0.074	<20	1.00	0.024	0.25	1.0	<0.01	1.6	0.3	0.07	5	5.0
08-POS-04	Rock	0.169	4	49	0.73	39	0.063	<20	0.81	0.020	0.44	49.9	<0.01	2.3	0.4	6.99	5	83.3
08-POS-05	Rock	0.094	17	41	0.76	40	0.187	<20	3.58	0.344	0.06	>100	<0.01	3.3	<0.1	0.88	12	14.9
08-POS-06	Rock	0.107	11	19	0.36	40	0.086	<20	3.08	0.340	0.05	>100	0.04	1.0	<0.1	0.05	11	1.2

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Project: JERSEY
Report Date: October 06, 2008

QUALITY CONTROL REPORT VAN08009804.1

	Method	WGHT	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5		0.5	0.1	1	0.1	0.1	0.1	2	0.01
Reference Materials																						
STD DS7	Standard		20.5	102.7	74.7	394	0.8	52.7	8.8	600	2.35	48.9	5.1	56.8	4.5	71	6.0	4.5	4.7	84	0.91
STD DS7	Standard		20.7	126.4	74.6	390	0.8	51.2	9.1	607	2.31	47.2	5.0	66.8	4.4	70	5.7	4.7	4.7	85	0.90
STD DS7 Expected			20.9	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	5.9	4.5	86	0.93
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1	Prep Blank	<0.01	0.5	2.4	8.2	54	<0.1	5.7	4.8	566	1.95	<0.5	2.5	<0.5	4.9	57	<0.1	<0.1	<0.1	38	0.54

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QUALITY CONTROL REPORT VAN08009804.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
Reference Materials																		
STD DS7	Standard	0.073	12	185	1.02	394	0.117	42	0.97	0.086	0.43	3.4	0.18	2.4	4.1	0.19	4	3.3
STD DS7	Standard	0.071	12	182	1.01	380	0.116	38	0.97	0.084	0.42	3.4	0.18	2.4	4.1	0.19	5	4.0
STD DS7 Expected		0.08	13	163	1.05	370	0.124	39	0.959	0.073	0.44	3.8	0.2	2.5	4.2	0.21	5	3.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
Prep Wash																		
G1	Prep Blank	0.078	7	9	0.60	368	0.135	<20	0.96	0.074	0.50	<0.1	<0.01	2.0	0.3	<0.05	5	<0.5

AN ASSESSMENT REPORT

ON

HELIBORNE MAGNETIC & ELECTROMAGNETIC

SURVEYING

Salmo Area, B.C.
49°05'N, 1117°14'W
NTS: 82F/3

-

FOR

SULTAN MINERALS INC.

Vancouver, B.C.

BY

PETER E. WALCOTT & ASSOCIATES LIMITED

Vancouver, British Columbia

APRIL 2009

TABLE OF CONTENTS

INTRODUCTION.

Between November 23rd ,2008 and February 21st, 2009, Fugro Airborne Surveys carried out heliborne magnetic and time domain electromagnetic surveying over the Jersey property of Sultan Minerals Inc. in the Salmo area of southeastern British Columbia.

The survey was part of a large 4367 line kilometer survey initiated by the partnership of Natural Resources Canada and Geoscience BC to gather geophysical and geological data over the Kootenay Arc, a lens-shaped belt of highly deformed rocks located in southeastern British Columbia, in an effort to better understand its geology and develop new mineral exploration targets.

The larger survey was flown with a Fugro HeliGEOTEM system, supplemented by a high sensitivity cesium magnetometer, on lines 200 metres apart at a flight direction of N102° E**,** with control (tie) lines flown in the orthogonal direction at a spacing of 1000 metres.

A GPS navigation system was employed to ensure accurate positioning of the geophysical data with respect to the topographic base maps.

The Sultan survey constituted the part of the survey flown over the Jersey property with additional in-fill lines at 100 spacing.

The survey specifications called for a mean terrain clearance of 30 metres for the transmitter towed beneath the helicopter on a 60 metre tow line reflecting a nominal terrain clearance of 90 metres for the helicopter.

Given the size of the transmitting coil and the terrain this was deemed not possible by Fugro, who then chose to fly a controlled drape survey which resulted in a mean helicopter clearance of some 380 metres with heights of some 700 metres above the ground in places.

The information from the respective geophysical sensors was used to produce maps that display the conductive and magnetic properties of the survey area. These maps, although preliminary as the data has not been completely leveled as yet, are included in Appendix II of this report along with comparative maps from the 1993 Dighem frequency domain helicopter survey.

PREVIOUS WORK

Previous work has been referenced to in the main report by Perry Grunenberg, P.Geo. However the writer would like specifically refer to the 1994 report on the previously conducted Dighem survey on the property by Paul Smith – assessment report 1191Mar94 filed with the mines branch of the B.C. Government.

SURVEY SPECIFICATIONS.

The magnetic survey was carried out using an optically pumped cesium vapour magnetometer mounted in a bird on the tow rope some 10 metres below the helicopter. This instrument was manufactured by Scintrex Limited of Concord, Ontario. Corrections for the diurnal were made by comparison with a Fugro CFI base station employing a similar instrument as the sensor.

The electromagnetic survey was conducted using a Fugro HeliGEOTEM 20 channel system with the transmitter and receiver towed some 60 and 15 metres respectively below the aircraft. The detail specifications of this system are shown in Appendix I with the acquired data recorded on a heliDAS digital data acquisition system also manufactured by Fugro.

Navigation and flight path recovery were obtained using a Novatel OEMIV single frequency 12 channel board with the antenna mounted on the tail of the helicopter. Post-survey differential correction was obtained by processing against the data from a similar unit at 10 Hz sampling rate.

The above systems along with barometric and radar altimeters, and a Panasonic video camera were housed or attached to a Eurocopter AS350-B3 helicopter, registration C-FIDA, owned by Great Slave Helicopters ltd., and operated from the Trail airport, CAD4.

The survey was conducted on pre-programmed flight lines and totaled some 629 line kilometers.

DISCUSSION OF RESULTS.

As previously mentioned there was a huge discrepancy between the requested and actually flown survey heights. This was to be expected given the large size of the transmitter loop requiring the pilot to climb well in advance going uphill.

Fugro planned their survey based on a consistent surface from line to line, thus minimizing altitude variations across lines with better processing and leveling. In contrast on the Quest project flown by Geotech with another large loop it can be seen that the system is contouring on the downward slope but is way off the surface on the uphill climb – see terrain clearance plots.

As the EM response drops off as the inverse of the 4^{th} power of the distance, this system is not appropriate for use in these terrain conditions. This is readily seen in the contour plots of the Z12 dB/dT channel and the radar altimeter where one is essentially an inverse image of the other.

Further evidence of the lack of more meaningful contribution to the existing data bases can be seen in the comparison of the magnetic data – contoured TMI – from the present survey and the 1993 Dighem survey. Far more detail is evident on the latter, as expected as it was flown at a lower altitude.

The 1993 EM survey showed Ordivician Active Formation, consisting for the most of black argillite, to extend on the eastern portion of the survey area through Lost Creek valley, over Posie Ridge and into Wilson Creek- see historic Dighem conductor axis map and general geology plot.

An overlay of the Z12 contour plot showed little or no EM response across Lost Creek valley or in the Wilson Creek headwaters where the flight elevations are considerable – see radar altimeter map.

In addition the Dighem survey shows numerous individual conductor axes whereas the profiles of the Z field show few similar discrete conductors.

Further discussion will await the final data base expected sometime in May.

SUMMARY, CONCLUSIONS & RECOMMENDATIONS.

Between November 23rd, 2008 and February 21st, 2009, Fugro Airborne Surveys undertook a detailed combined magnetic and electromagnetic survey programme over parts of the Jersey of Sultan Minerals Inc., in conjunction with a larger lesser detail survey over the Kootenay Arc in southeastern British Columbia done at the bequest of Geoscience BC and Natural Resources Canada.

The latter two had previously determined based on the physical properties of the respective rock formations that a time domain electromagnetic system would be best suited to explore for the potential deposit types anticipated here.

While the final data set has not yet been received from Fugro, preliminary results show that the survey was far less effective in contributing directly or indirectly in furthering exploration potential on the property than the 1993 frequency survey on account of the huge difference in flown bird heights.

Respectfully submitted,

PETER E. WALCOTT & ASSOCIATES LTD.

Peter E. Walcott, P.Eng.
Geophysicist

Vancouver, B.C.
April 2009

APPENDIX I

COST OF SURVEY.

Fugro Airborne undertook the survey on a square kilometer basis. 93 square kilometers were billed at a cost of $494.62 per square kilometer for a cost of $46,000.00.
Peter E. Walcott & Associates plotted the preliminary data and completed the report at a cost of $2,020.00 so that the total cost of services was $48,020.00.

PERSONNEL EMPLOYED ON SURVEY.

Name	Occupation	Address	Dates
Peter E. Walcott	Geophysicist	Peter E. Walcott & Assoc. 1529 W. 6th Ave., Vancouver, B.C.	Mar 27th – April. 3rd. 2009
Alexander Walcott	"	"	"
Fugro Airborne	Operator Processor Pilot Engineer		Nov. 23rd 2008 Mar. 15th 2009

CERTIFICATION.

I, Peter E. Walcott, of 605 Rutland Court, Coquitlam, British Columbia, hereby certify that:

1. I am graduate of the University of Toronto in 1962 with a B.A.Sc. in Engineering Physics, Geophysics Option.

2. I have been practicing my profession for the last forty six years.

3. I am a member of the Association of Professional Engineers of British Columbia and Ontario.

4. I hold no interest, direct or indirect in Sultan Minerals Inc., nor do I expect to receive any.

Peter E.Walcott, P.Eng.

Vancouver, B.C.

April 2009

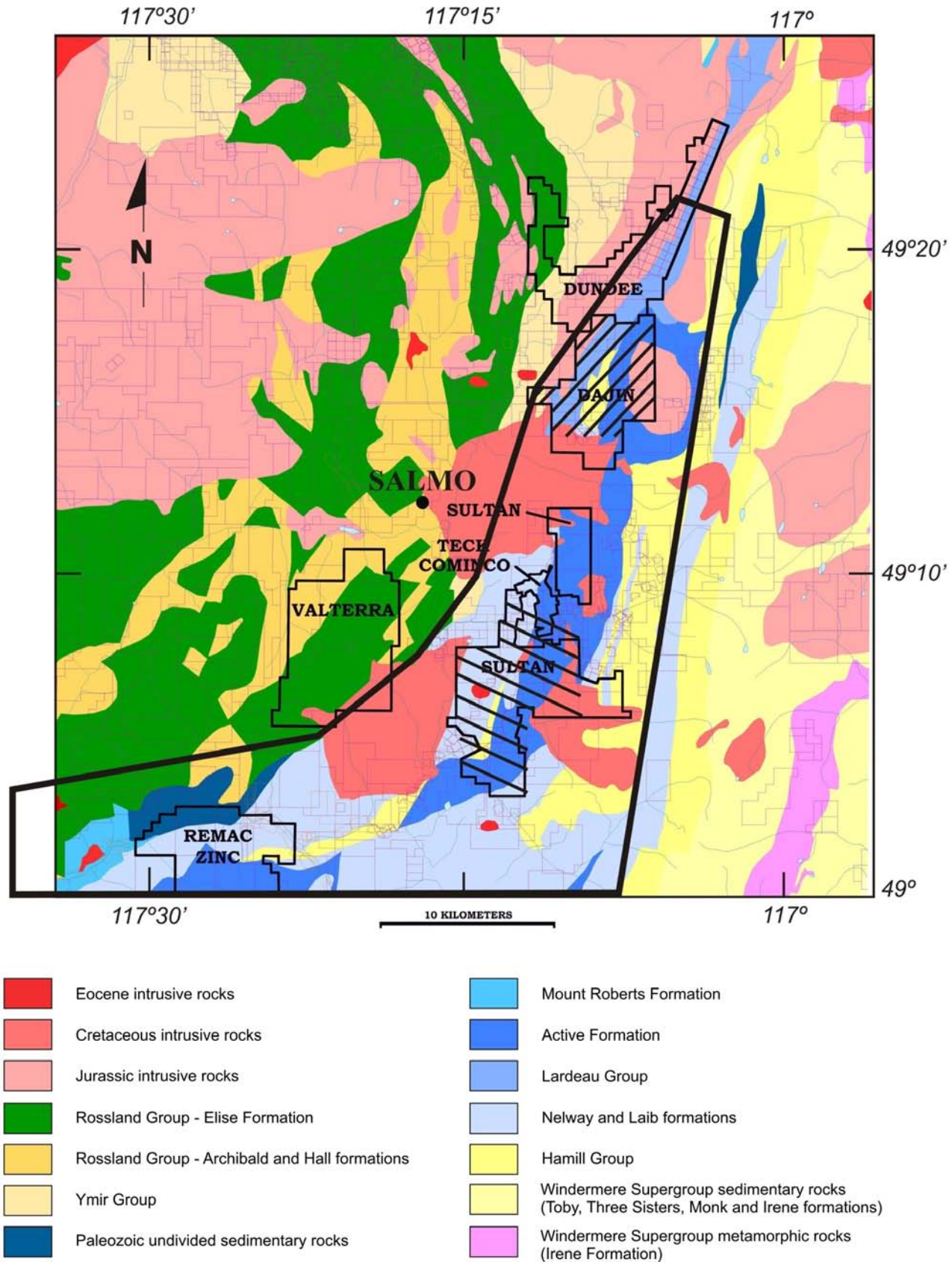


Figure 2. Area to be covered by Kootenay Arc electromagnetic-magnetic survey, with 100 m infill lines over Dajin Resources Corp. and Sultan Minerals Inc. claims.

Aircraft and Geophysical On-Board Equipment

Figure 3: Mag and HeliGEOTEM® Receivers

Aircraft:	AS-350 B3 Helicopter
Operator:	
Registration:	
Survey Speed:	55 knots / 65 mph / 30 m/s
Magnetometer:	Scintrex Cs-2 single cell cesium vapour, slung below the helicopter, sensitivity = 0.01 nT[1], sampling rate = 0.1 s, ambient range 20,000 to 100,000 nT. The general noise envelope was kept below 0.5 nT. The nominal sensor height was ~98 m above ground.
Electromagnetic system:	HeliGEOTEM 20 channel Multicoil System
Transmitter:	Vertical axis loop slung below helicopter of 154 m^2
	Number of turns 4
	Nominal height above ground of 57m
Receiver:	Multicoil system (x, y and z) with a final recording rate of 4 samples/second, for the recording of 20 channels of x, y and z-coil data. The nominal height above ground was ~95 m.
Base frequency:	90 Hz
Pulse width:	1997 µs
Pulse delay:	76 µs
Off-time:	3483 µs
Point value:	10.85 µs
Transmitter Current:	~900 A
Dipole moment:	~5.5x10^5Am²

1 One nanotesla (nT) is the S.I. equivalent of one gamma.

Table 1: Electromagnetic Data Windows.

Channel	Start (p)	End (p)	Width (p)	Start (ms)	End (ms)	Width (ms)	Mid (ms)
1	8	17	10	0.076	0.184	0.109	0.130
2	18	74	57	0.184	0.803	0.618	0.494
3	75	130	56	0.803	1.411	0.608	1.107
4	131	187	57	1.411	2.029	0.618	1.720
5	205	207	3	2.214	2.246	0.033	2.230
6	208	211	4	2.246	2.289	0.043	2.268
7	212	215	4	2.289	2.333	0.043	2.311
8	216	220	5	2.333	2.387	0.054	2.360
9	221	225	5	2.387	2.441	0.054	2.414
10	226	231	6	2.441	2.507	0.065	2.474
11	232	237	6	2.507	2.572	0.065	2.539
12	238	245	8	2.572	2.658	0.087	2.615
13	246	255	10	2.658	2.767	0.109	2.713
14	256	267	12	2.767	2.897	0.130	2.832
15	268	282	15	2.897	3.060	0.163	2.979
16	283	302	20	3.060	3.277	0.217	3.168
17	303	327	25	3.277	3.548	0.271	3.413
18	328	362	35	3.548	3.928	0.380	3.738
19	363	422	60	3.928	4.579	0.651	4.253
20	423	512	90	4.579	5.556	0.977	5.067

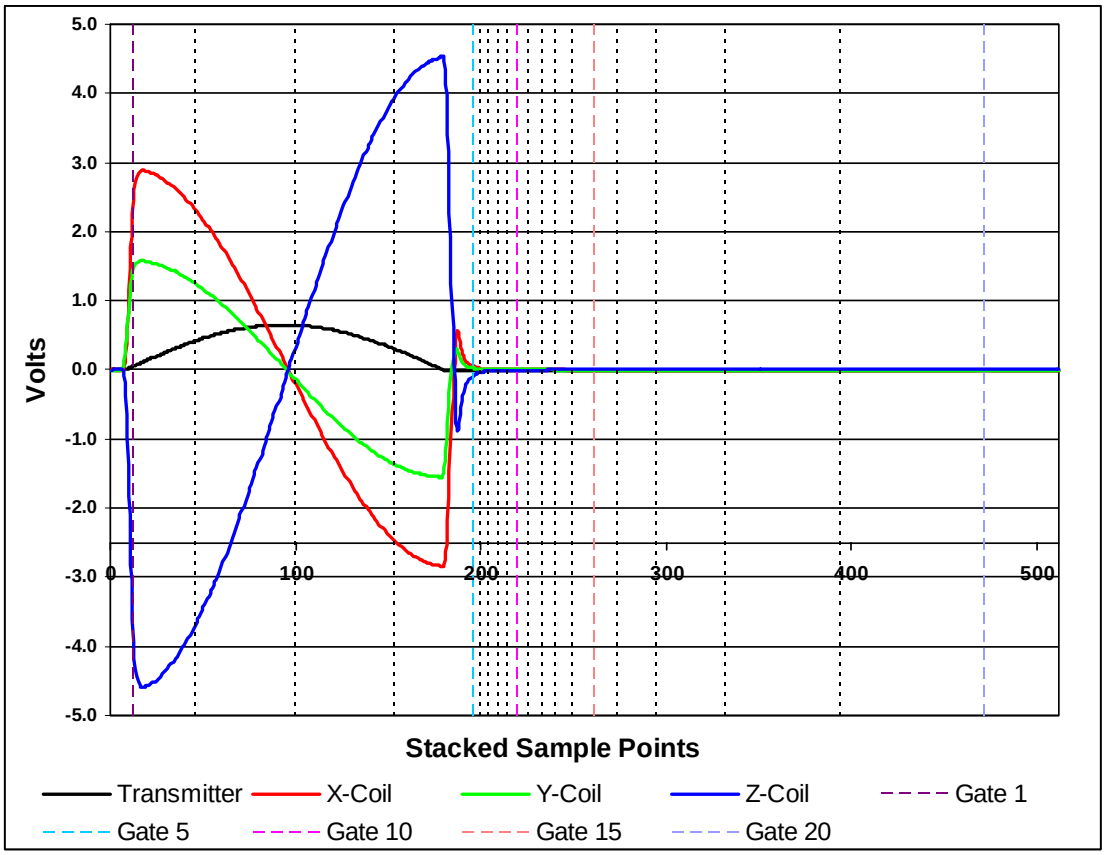


Figure 5: HeliGEOTEM Waveform and response with gate centres showing positions in sample points.

Digital Acquisition:	FUGRO AIRBORNE SURVEYS HELIGEODAS SYSTEM.
Barometric Altimeter:	Rosemount 1241M, sensitivity 1 ft, 0.5 sec recording interval.
Radar Altimeter:	King or Sperry, accuracy 2%, sensitivity 1 ft, range 0 to 2500 ft, 0.5 sec recording interval.
Camera:	Panasonic colour video, super VHS, model WV-CL302.
Electronic Navigation:	NovAtel OEM IV, 1 sec recording interval, with a resolution of 0.00001 degree and an accuracy of ±5m.

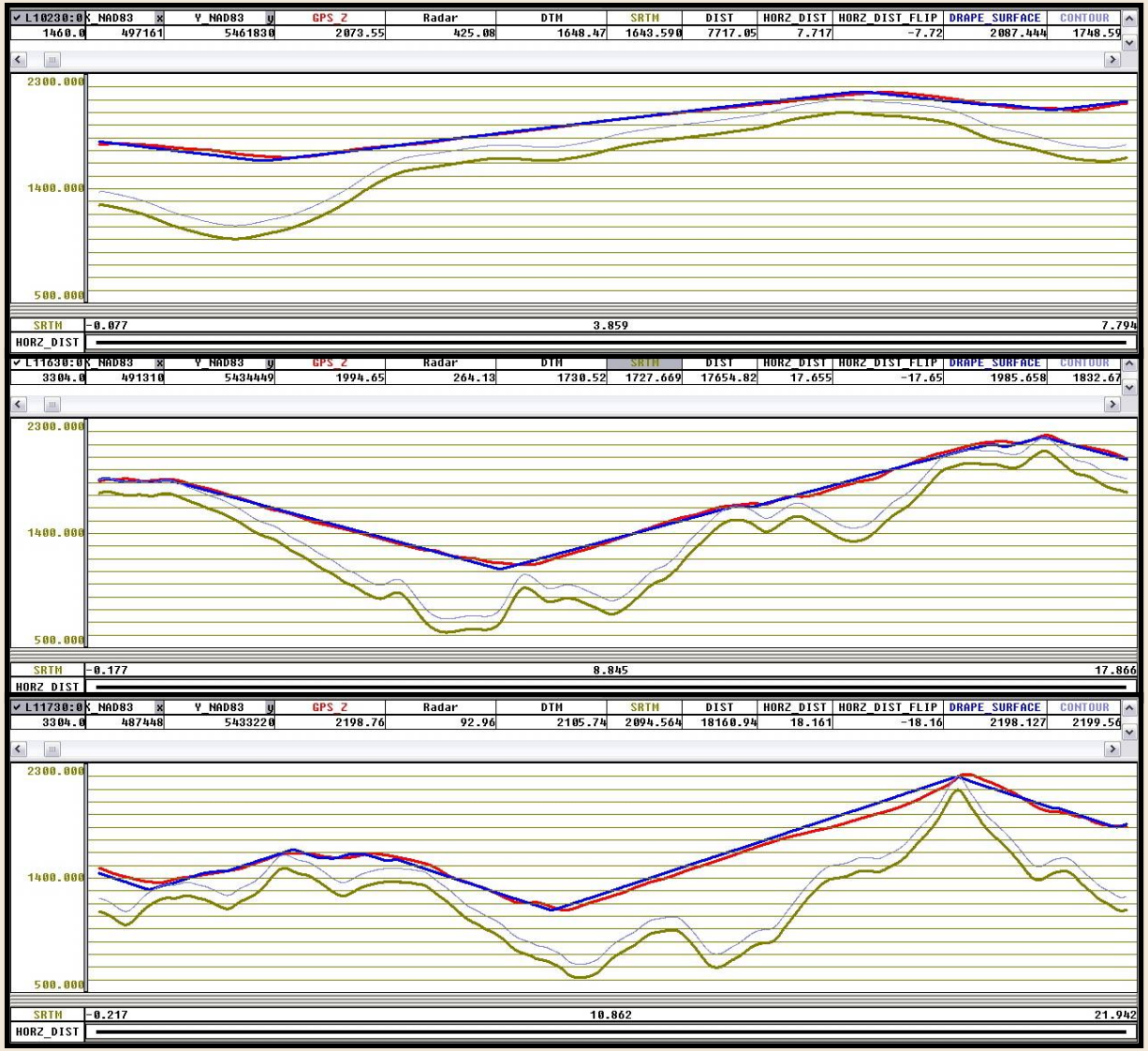
Base Station Equipment

Magnetometer:	Scintrex CS-2 single cell cesium vapour, mounted in a magnetically quiet area, measuring the total intensity of the earth's magnetic field in units of 0.01 nT at intervals of 1 s, within a noise envelope of 0.20 nT.
GPS Receiver:	NovAtel Propak 4E-315R, measuring all GPS channels, for up to 12 satellites.
Data Logger:	CF1, SBBS (single board base station).

Survey Specifications

Navigation:	Differential GPS. Traverse and tie line spacing was not to differ by more than +/- 20 m from the theoretical, for a distance of 1.5 km or more.
Altitude:	The survey was flown at a mean helicopter terrain clearance of 105 m.
Magnetic Noise Levels:	The noise envelope on the magnetic data was not to exceed ± 1 nT over 1 km.
EM Noise Levels:	The noise envelope on the raw electromagnetic dB/dt X- and Z-coil channel 20 was not to exceed ± 3500 pT/s over a distance greater than 1 km.

Comparison of flown versus planned separation



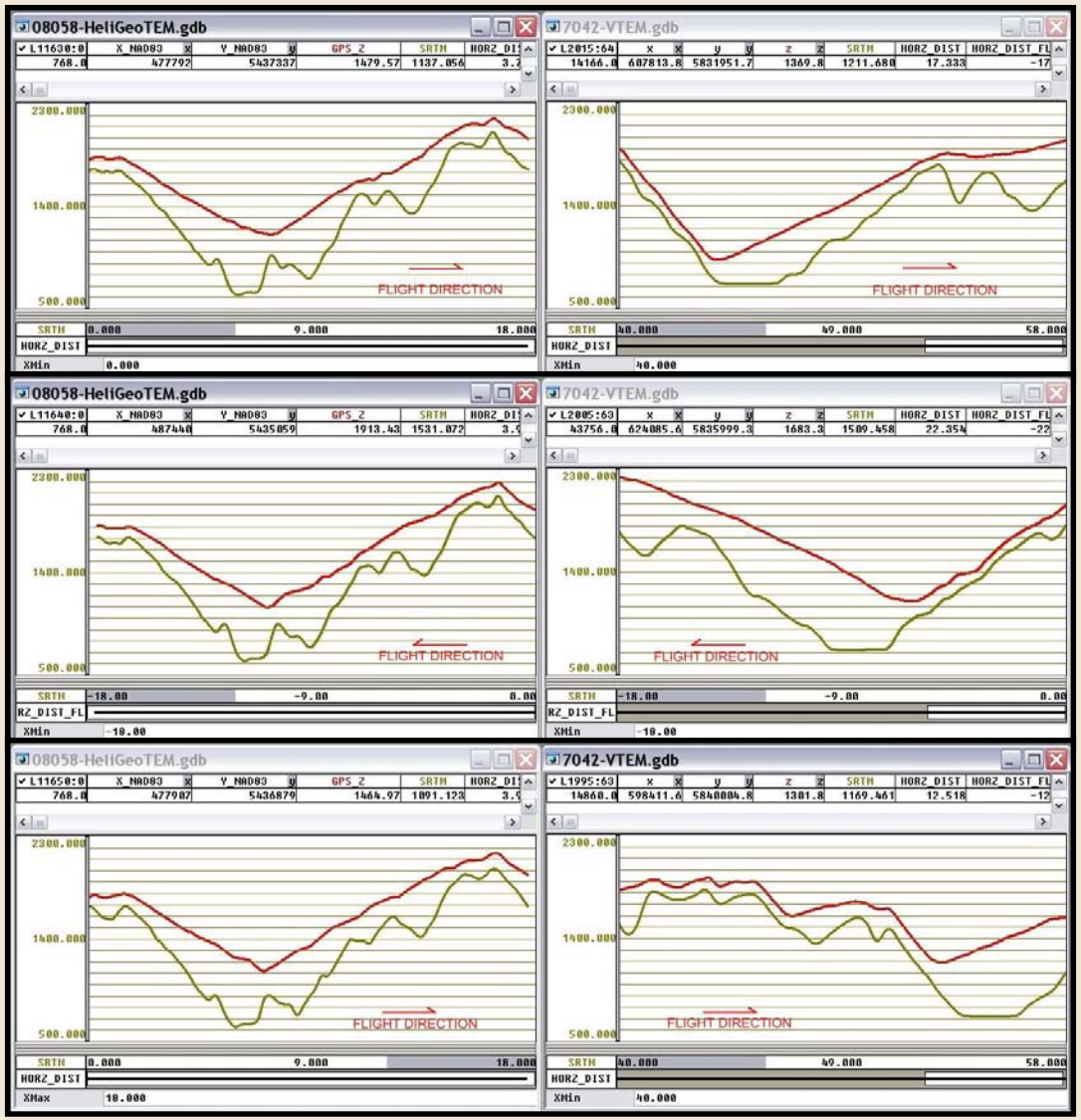
Flown vs. Planned in Profile View

- ***L10230 Top***
- ***L11630 Centre***
- ***L11730 Bottom***

- ***Drape Surface Planned***
- ***Flown GPS Height***
- ***SRTM***
- ***105 Metre Contour Height***

Note: All profiles are identical in their vertical scale. 100 metres per division.

HeliGEOTEM in comparison to other HTEM systems



Comparison of Adjacent Lines

- **HeliGEOTEM survey left side, VTEM survey right side**
- **Profiles have same vertical elevation scale (100 metres per division)**
- **Profiles have same horizontal scale (kilometres along the line)**
- **Note the HeliGEOTEM survey shows a consistent surface from line to line. This means that line to line altitude variations are minimized and the processing and leveling of data will be more accurate and true to measured values.**
- **Note the VTEM survey is contouring on the downward slope in the flight direction but having to climb well in advance of the next mountain going uphill and is not controlled by a drape surface. This will result in inconsistent performance based on flight direction and on problems leveling the gridded data.**

APPENDIX II
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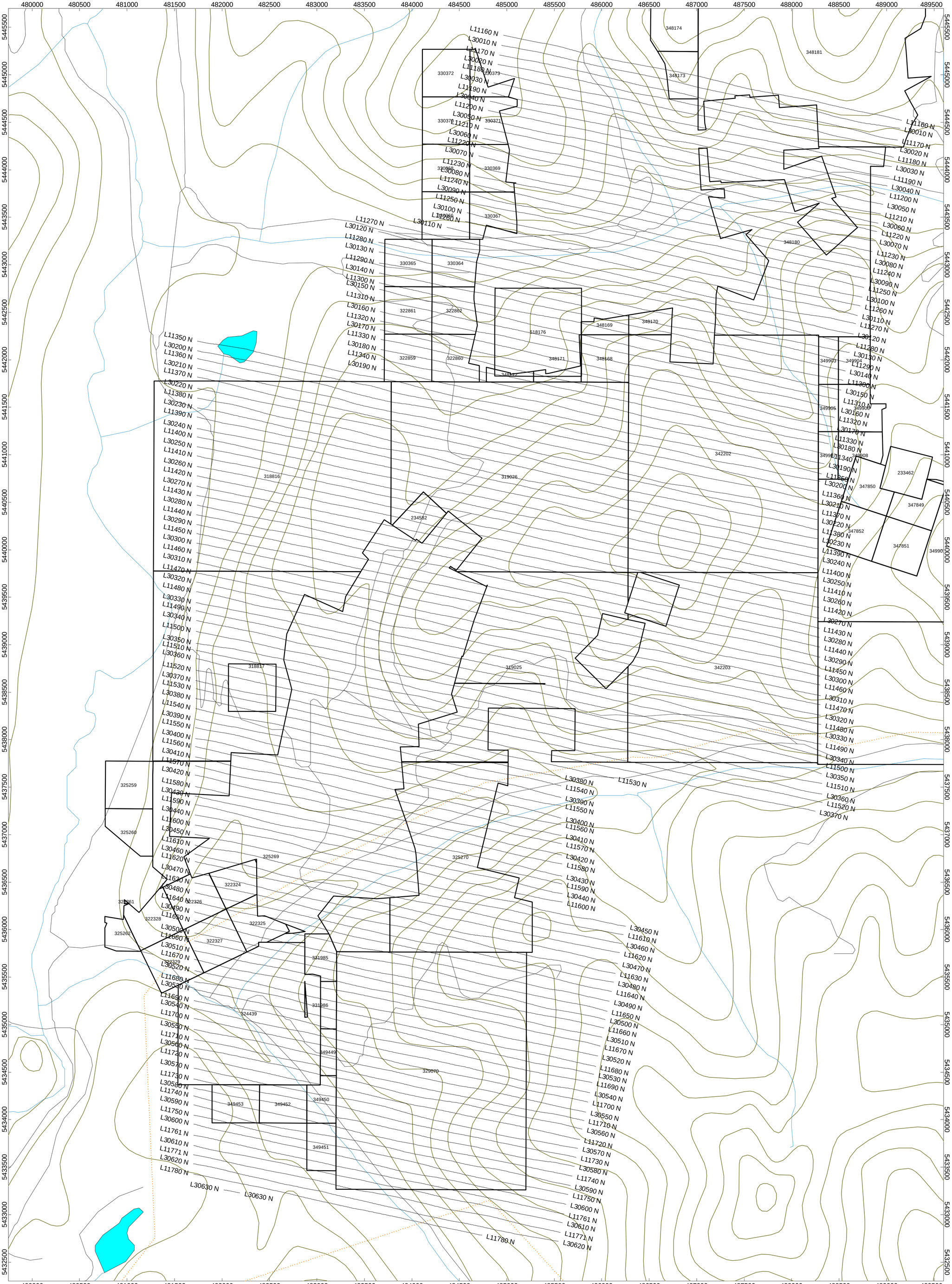
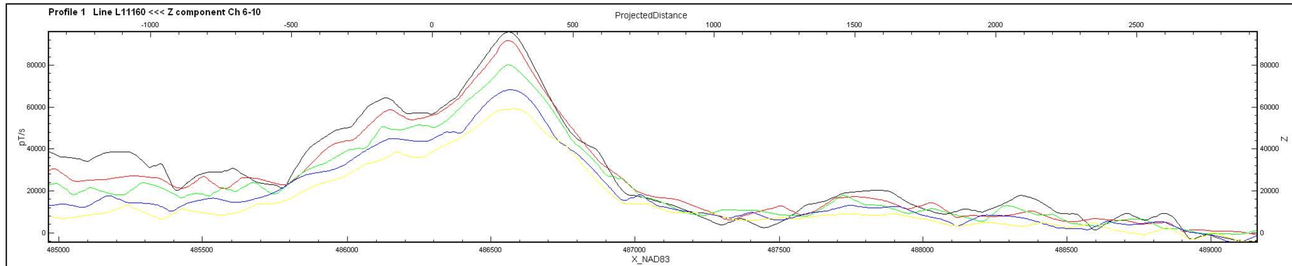


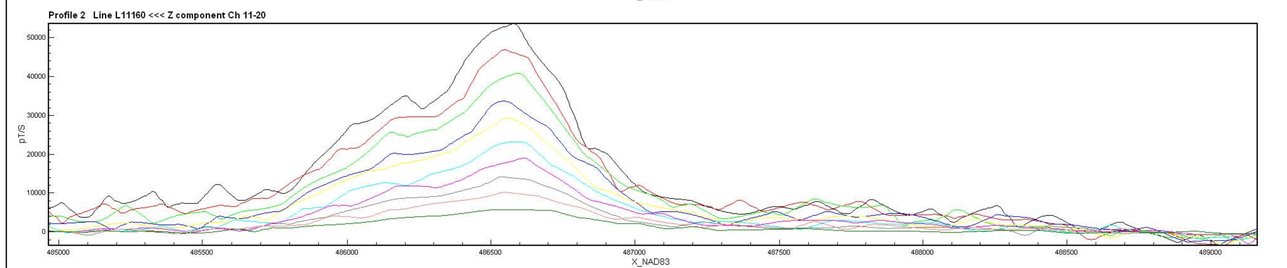
SULTAN MINERAL INC

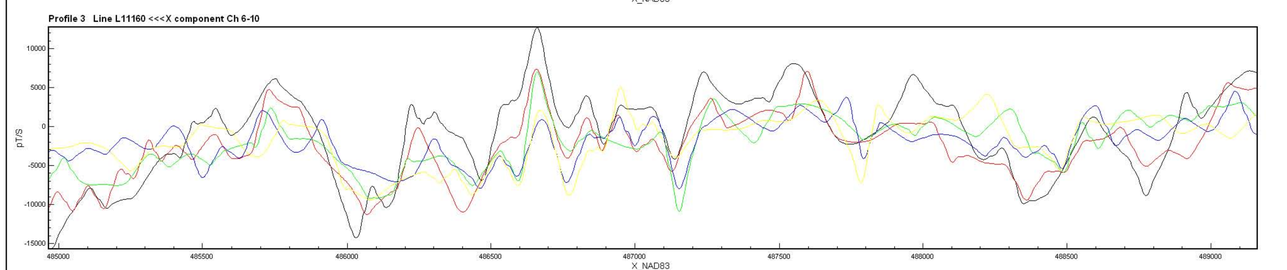
HELIGEOTEM ELECTROMAGNETIC SURVEY
PRELIMINARY
LINE AND CLAIM LOCATION MAP

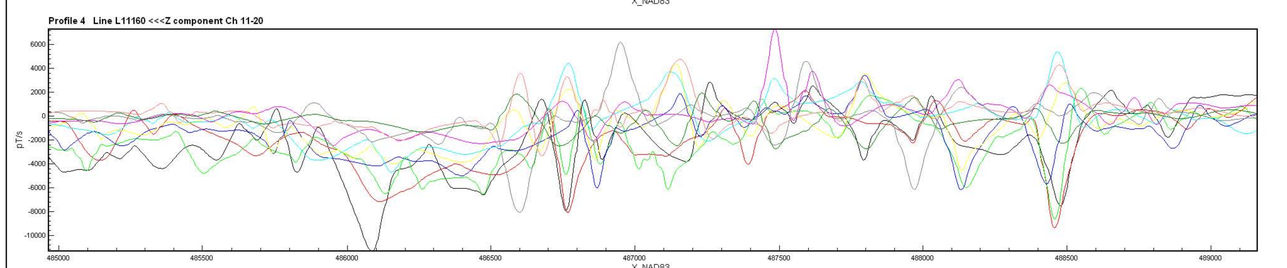
JERSEY PROPERTY
SALMO AREA, BRITISH COLUMBIA
Data by: Fugro Airborne

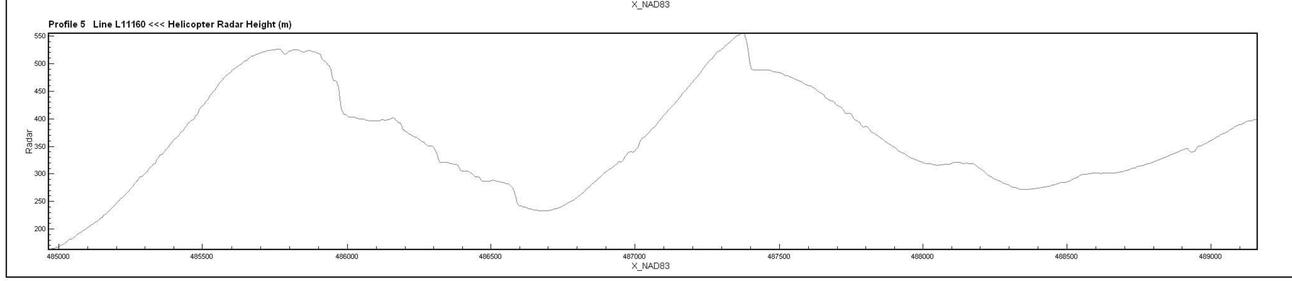
PETER E. WALCOTT & ASSOCIATES LIMITED











Scale 1 : 10000

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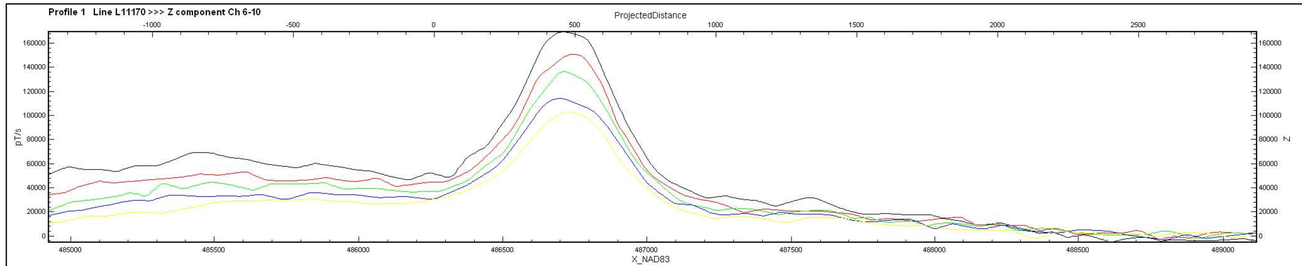
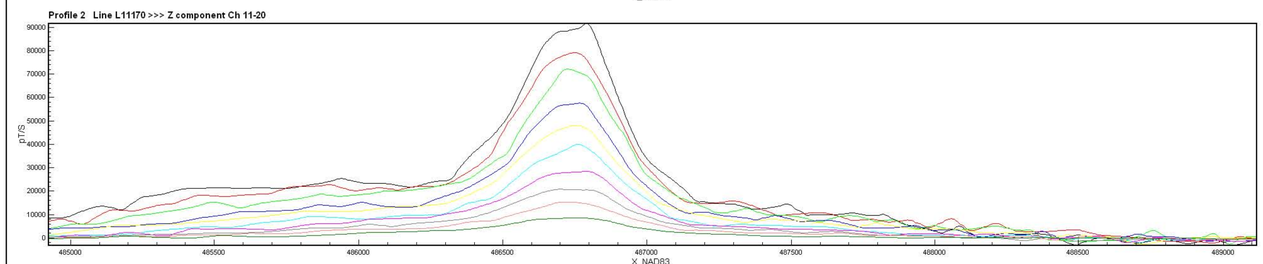
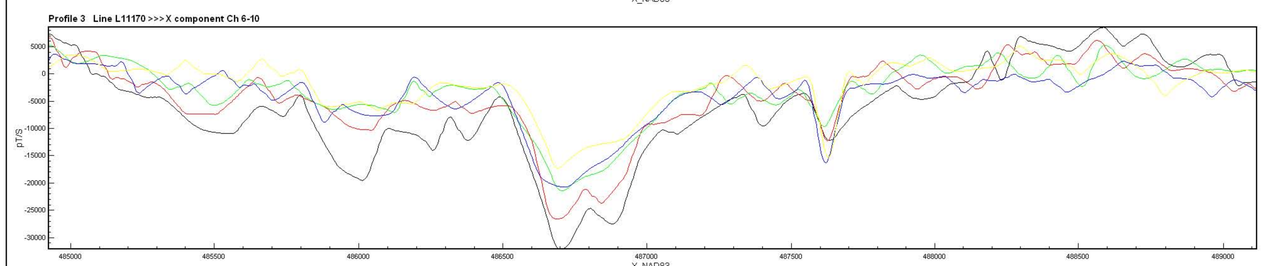
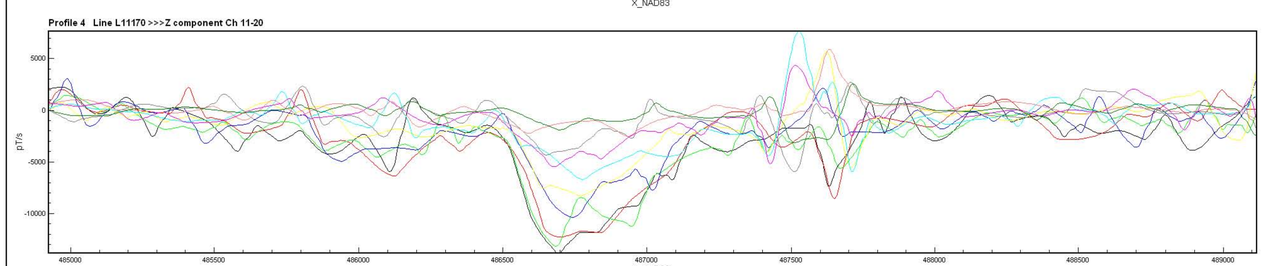
SULTAN MINERALS INC.
HeliGEOTEM ELECTROMAGNETIC SURVEY
X & Z COMPONENT PROFILES

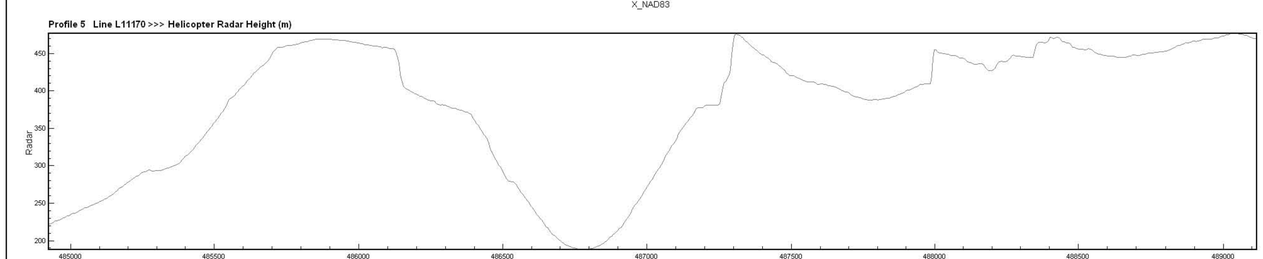
JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA











Scale 1 : 10000

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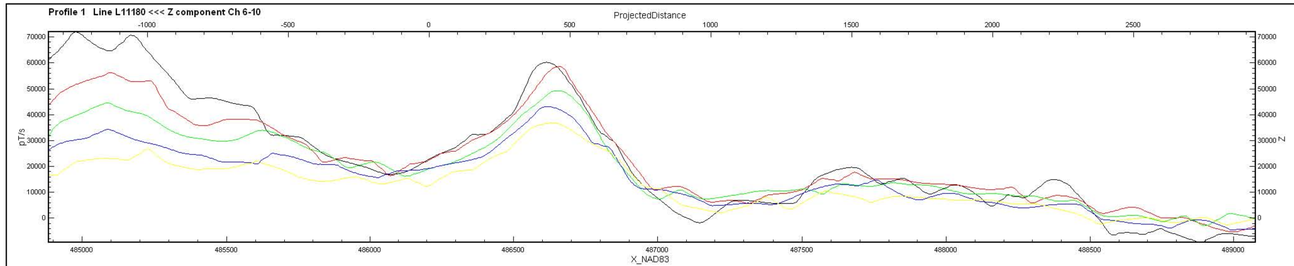
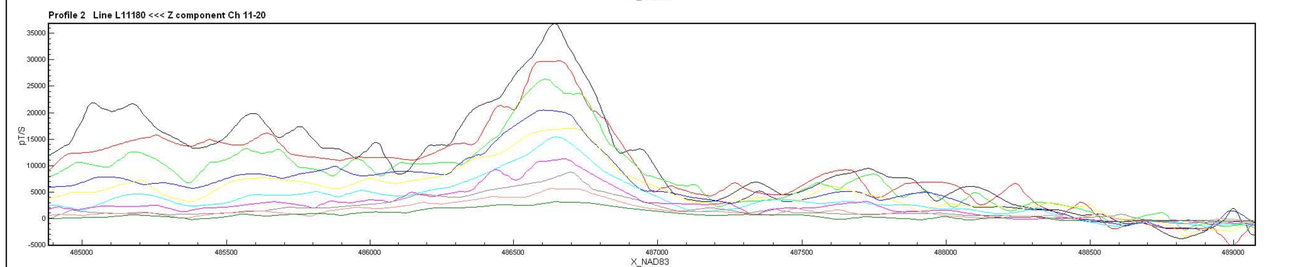
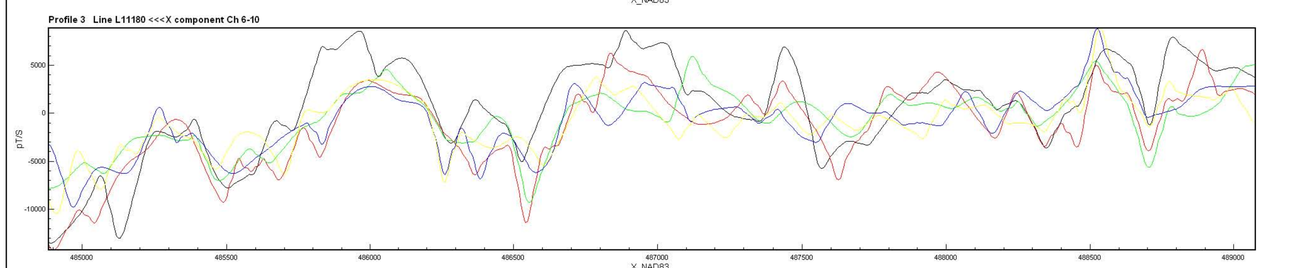
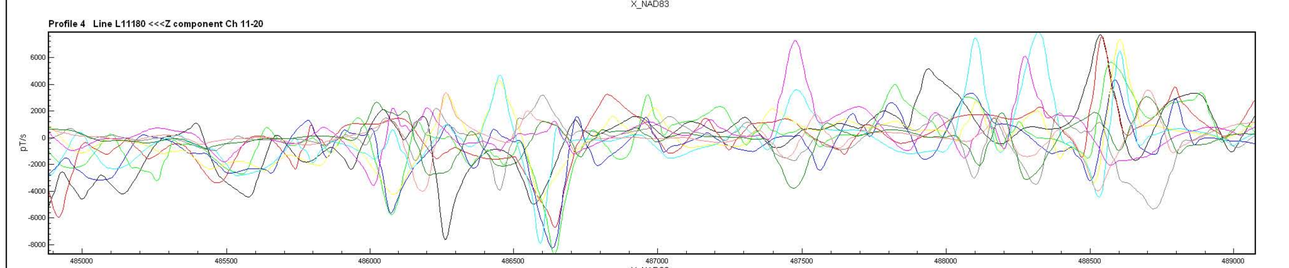
SULTAN MINERALS INC.
HeliGEOTEM ELECTROMAGNETIC SURVEY
X & Z COMPONENT PROFILES

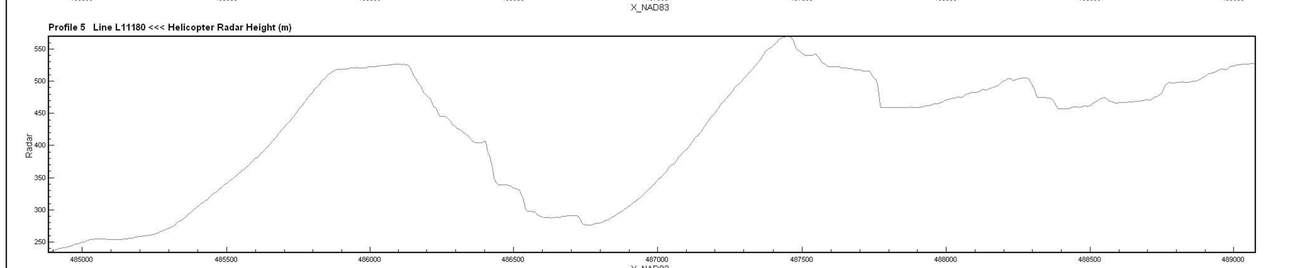
JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA











Scale 1 : 10000

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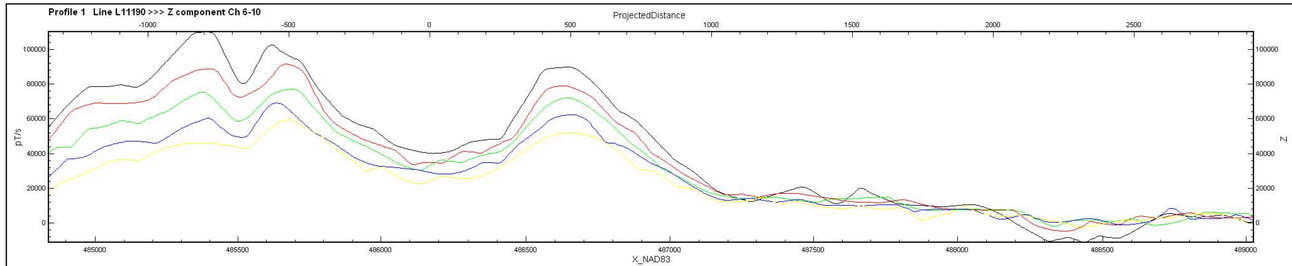
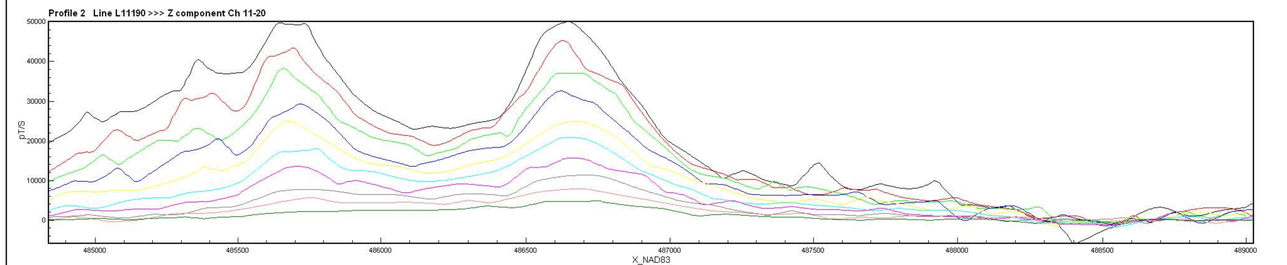
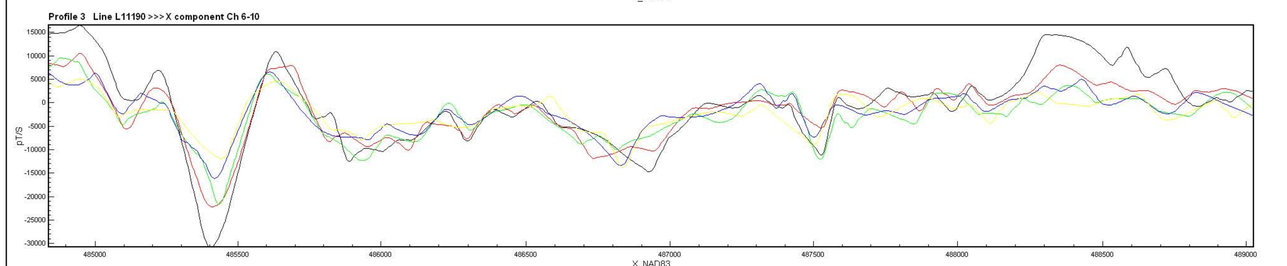
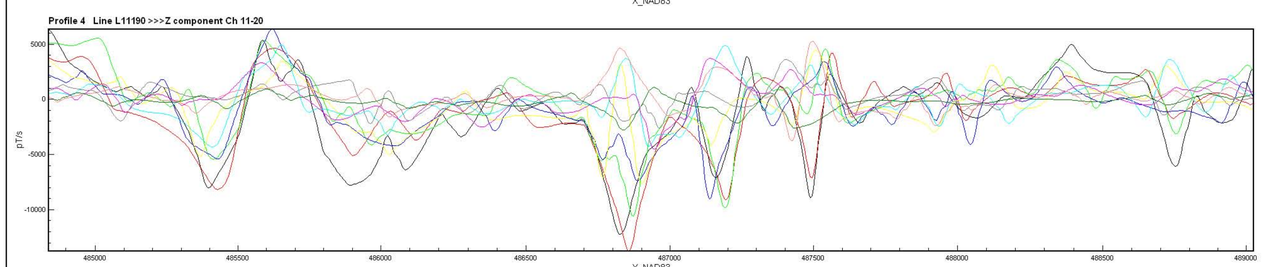
SULTAN MINERALS INC.
HeliGEOTEM ELECTROMAGNETIC SURVEY
X & Z COMPONENT PROFILES

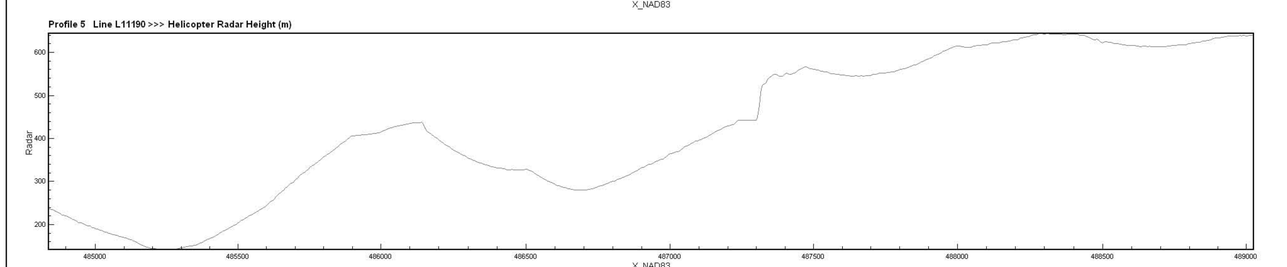
JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA











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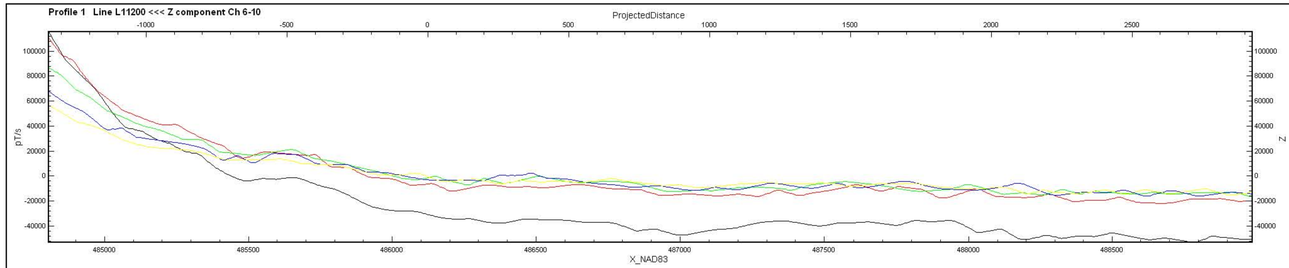
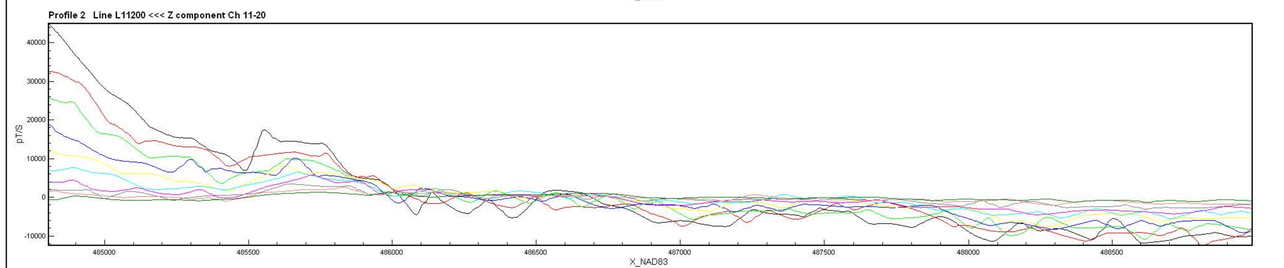
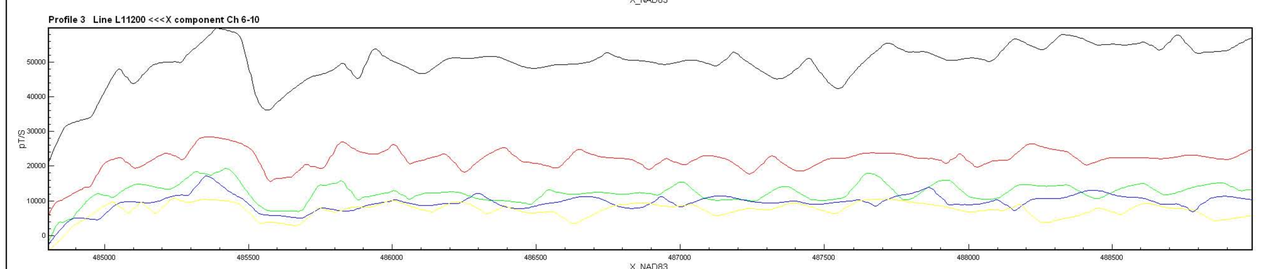
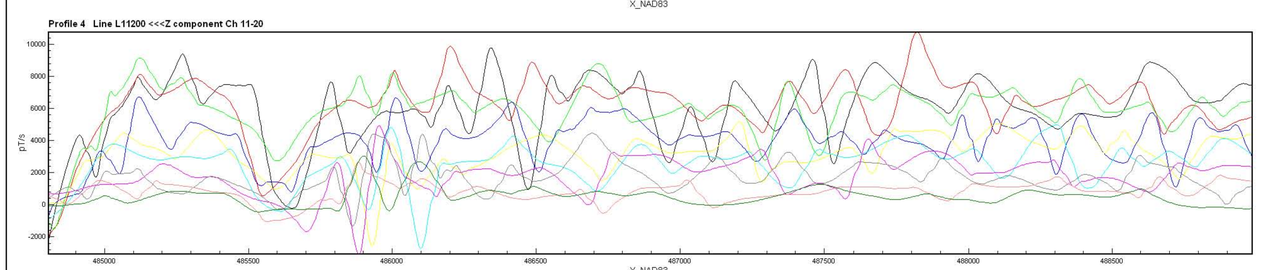
SULTAN MINERALS INC.
HeliGEOTEM ELECTROMAGNETIC SURVEY
X & Z COMPONENT PROFILES

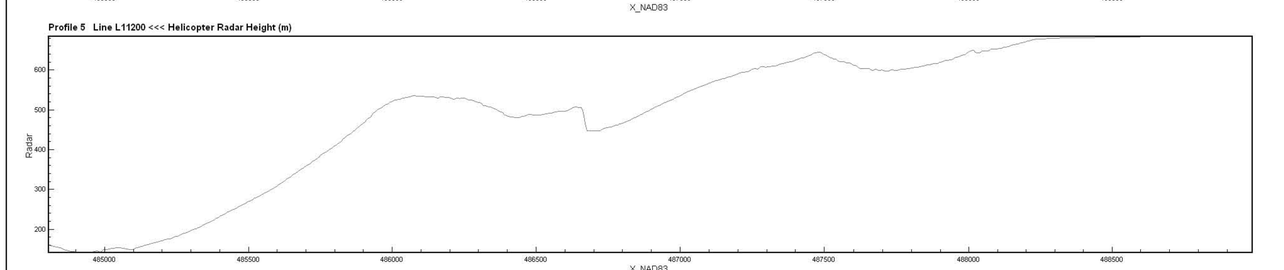
JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA











Scale 1 : 10000

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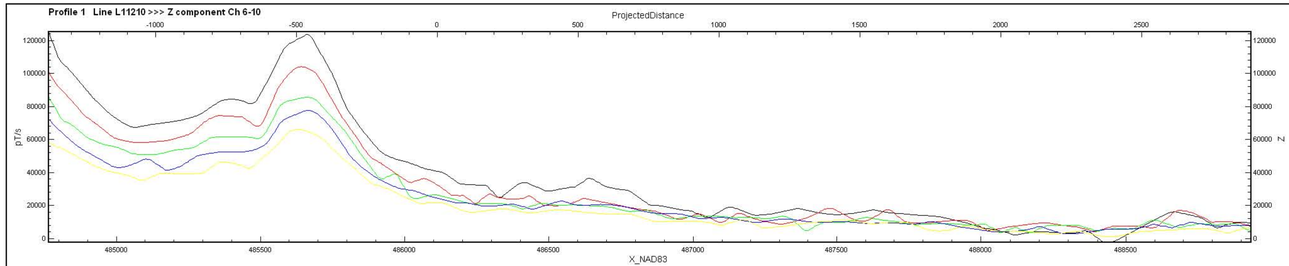
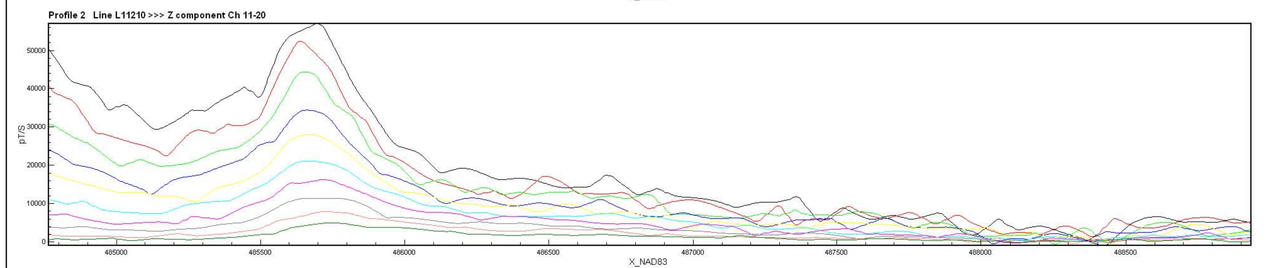
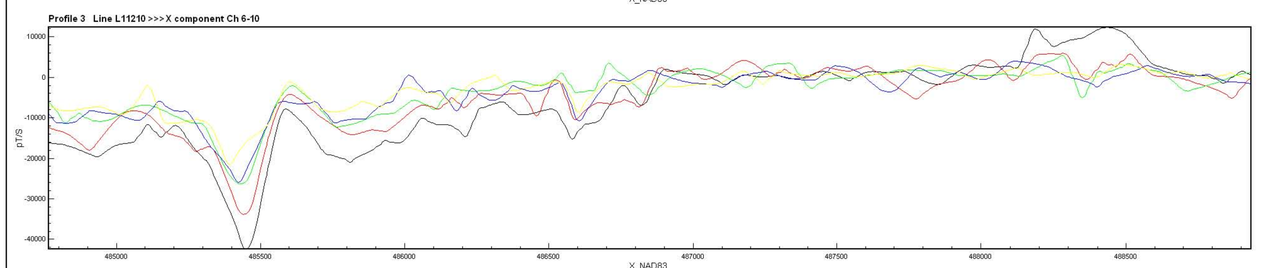
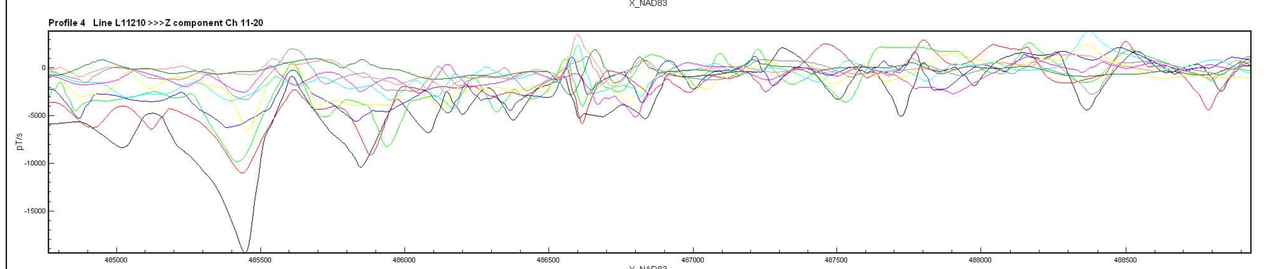
SULTAN MINERALS INC.
HeliGEOTEM ELECTROMAGNETIC SURVEY
X & Z COMPONENT PROFILES

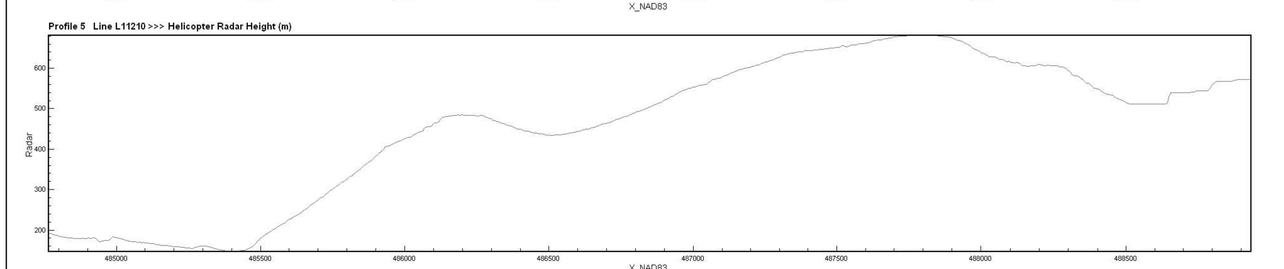
JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA











Scale 1 : 10000

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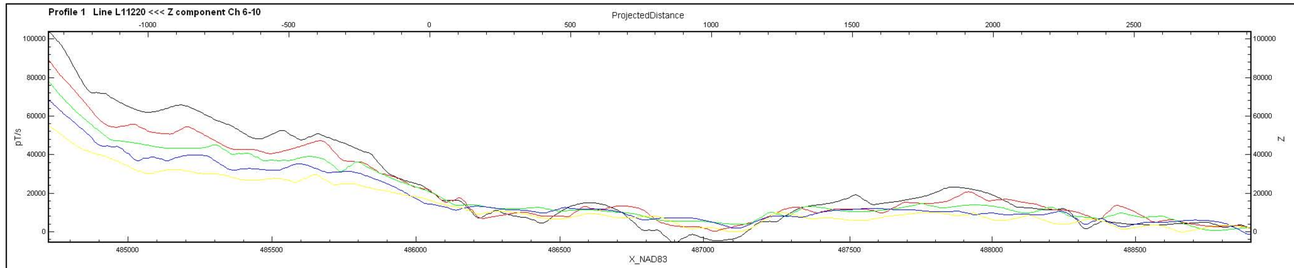
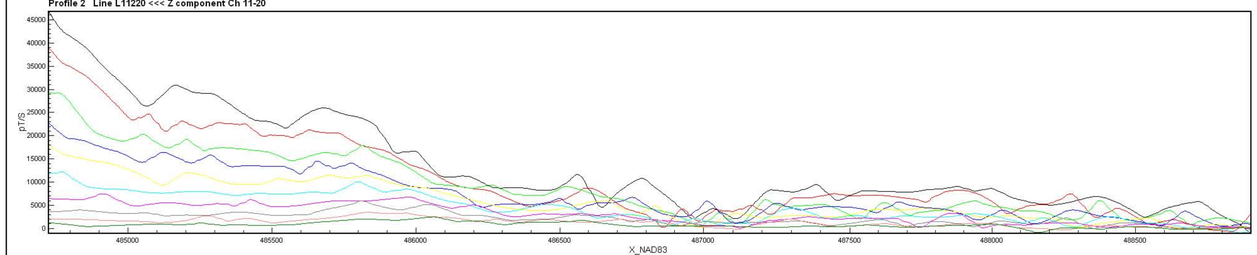
SULTAN MINERALS INC.
HeliGEOTEM ELECTROMAGNETIC SURVEY
X & Z COMPONENT PROFILES

JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA

Profile 1 Line L11220 <<< Z component Ch 6-10



Profile 2 Line L11220 <<< Z component Ch 11-20



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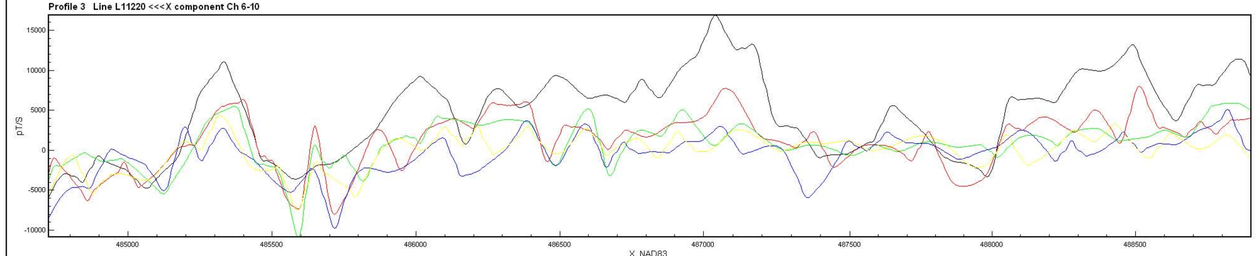
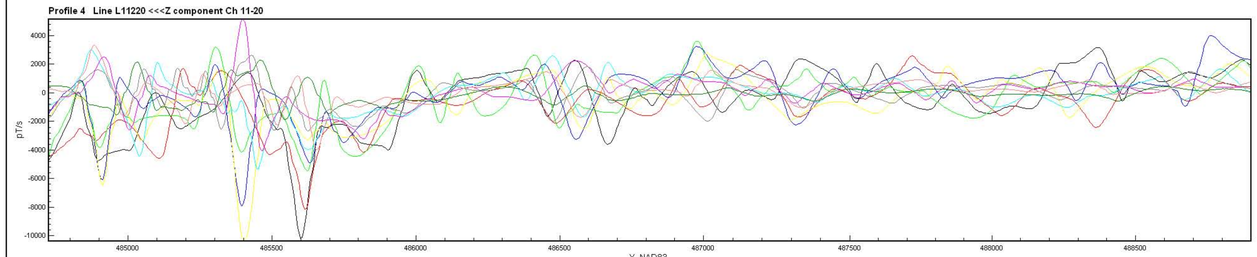
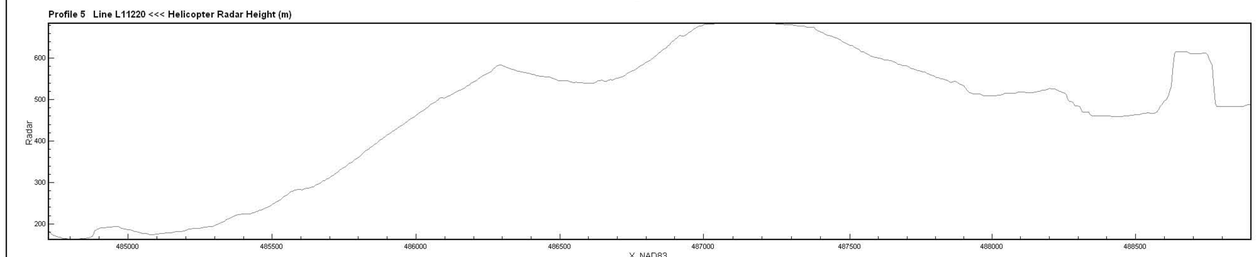


Profile 4 Line L11220 <<<Z component Ch 11-20



Profile 5 Line L11220 <<< Helicopter Radar Height (m)



Scale 1 : 10000

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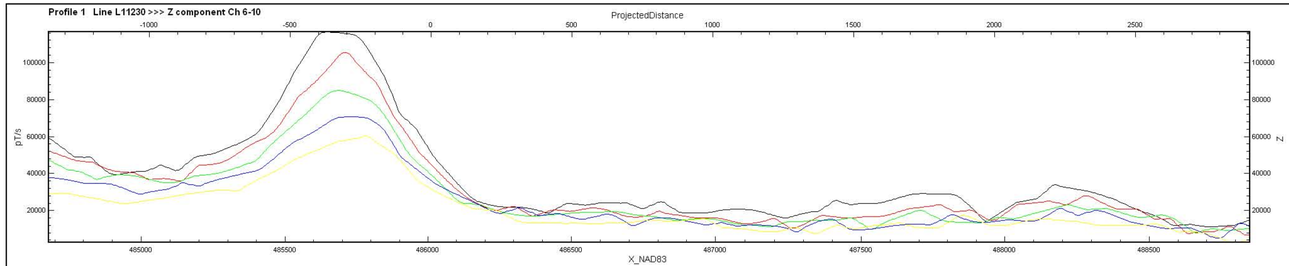
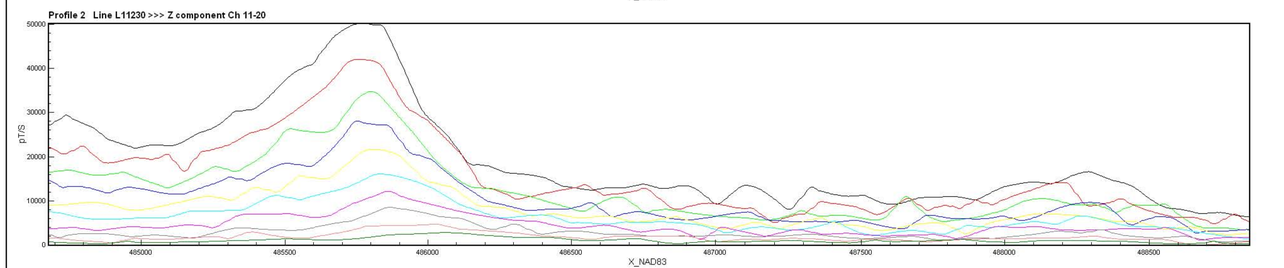
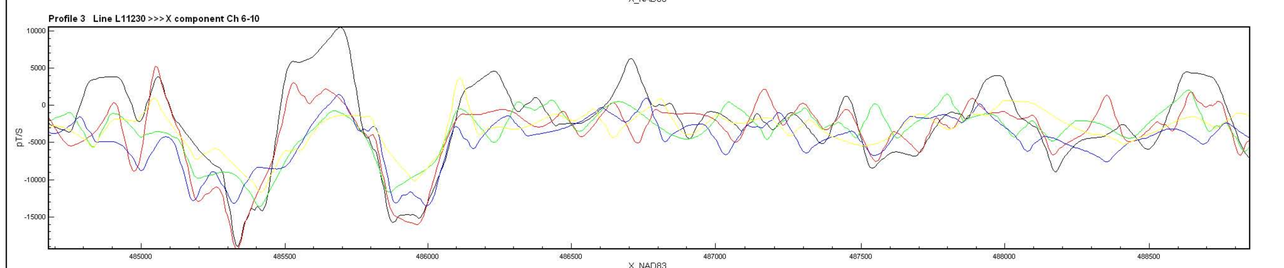
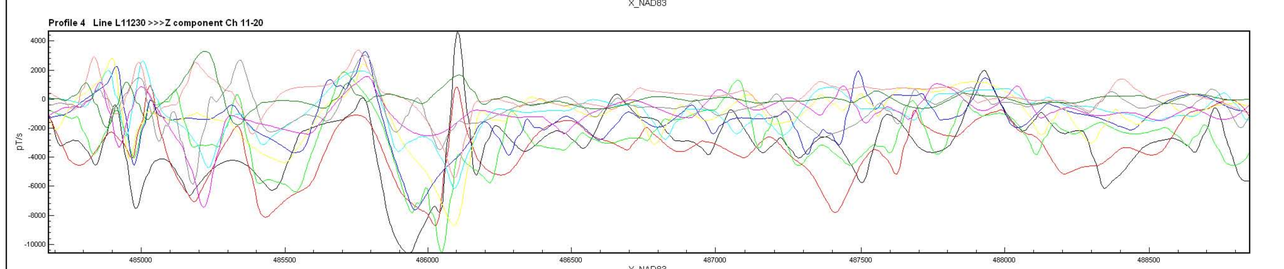
SULTAN MINERALS INC.
HeliGEOTEM ELECTROMAGNETIC SURVEY
X & Z COMPONENT PROFILES

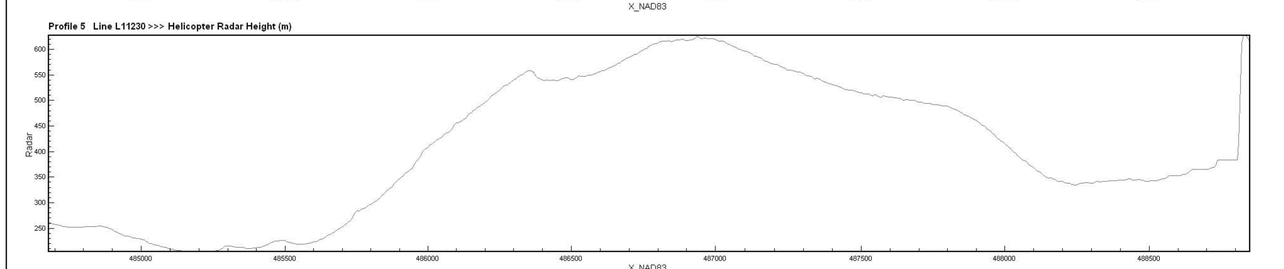
JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA











Scale 1 : 10000

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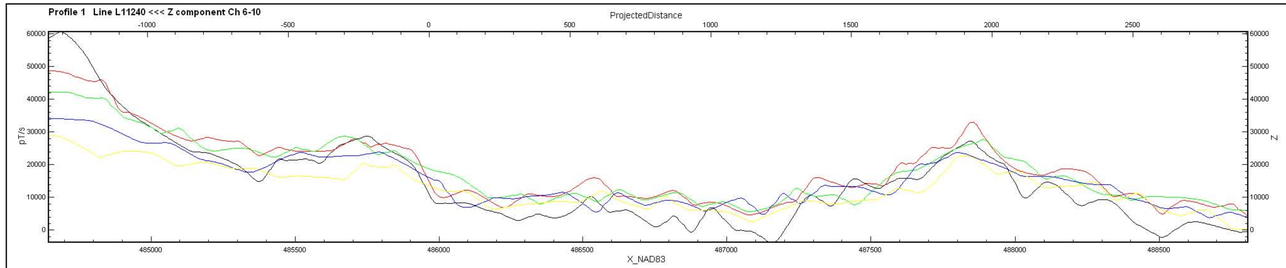
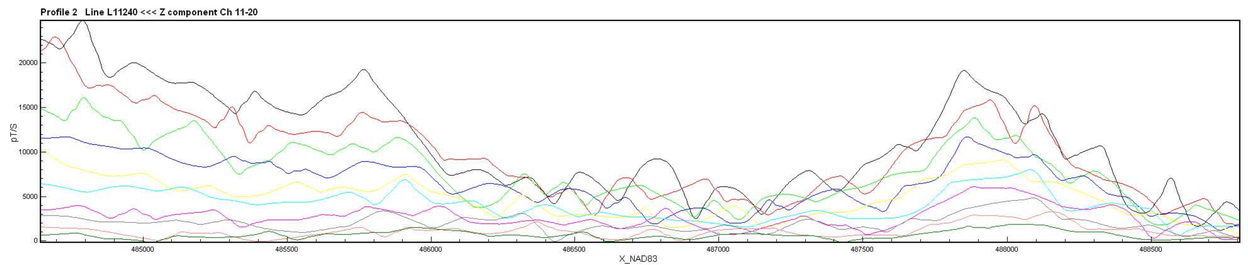
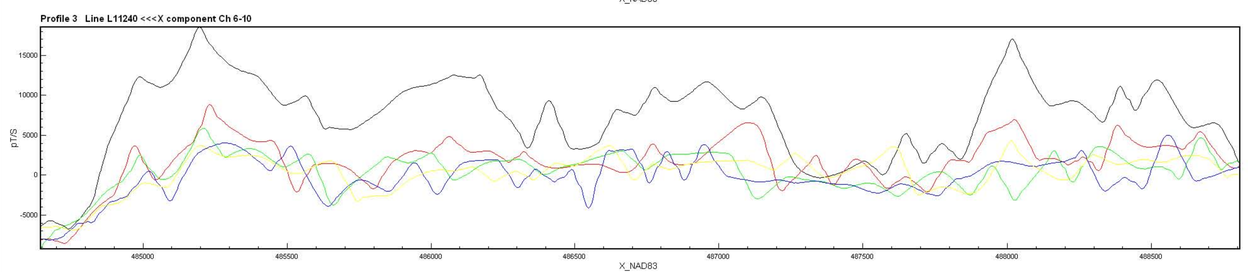
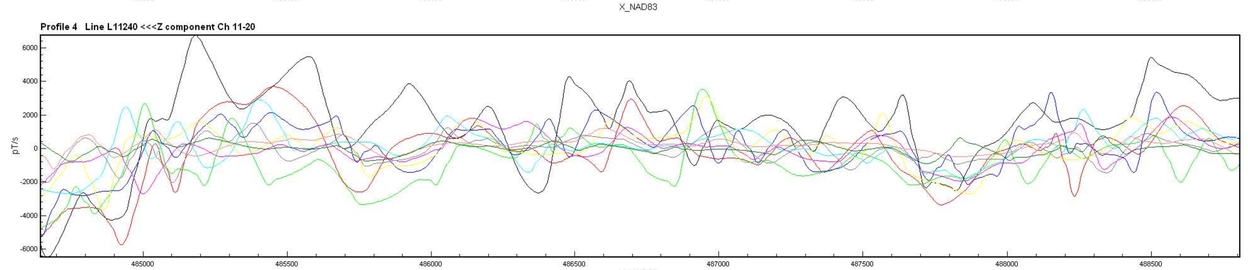
SULTAN MINERALS INC.
HeliGEOTEM ELECTROMAGNETIC SURVEY
X & Z COMPONENT PROFILES

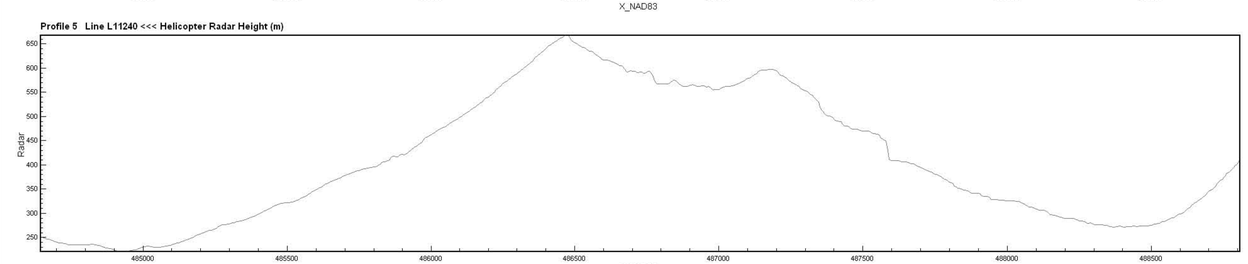
JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA











Scale 1 : 10000

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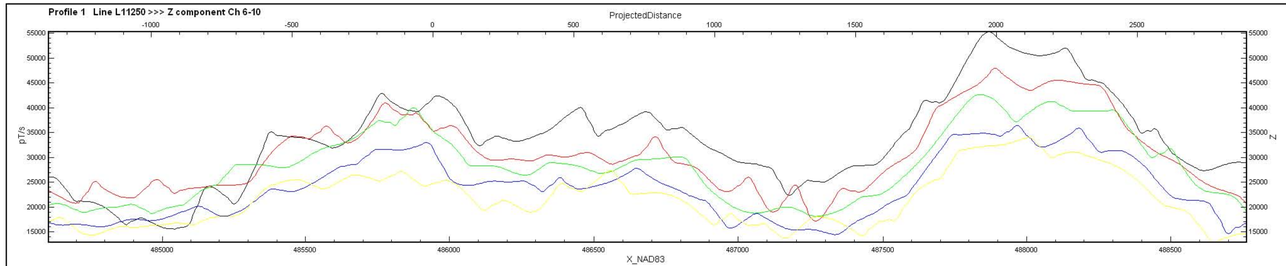
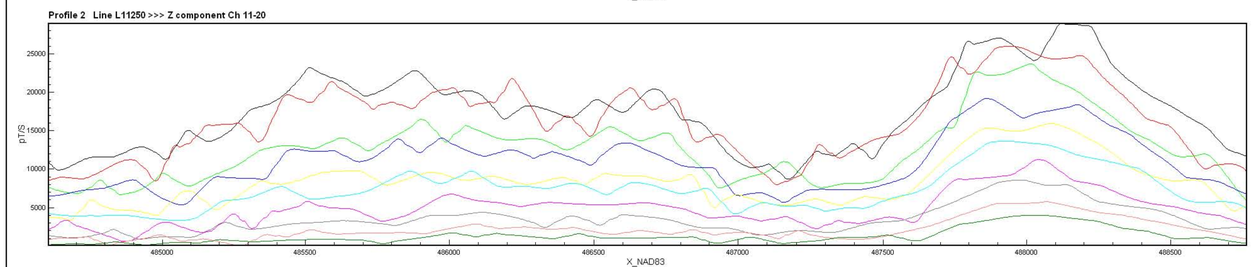
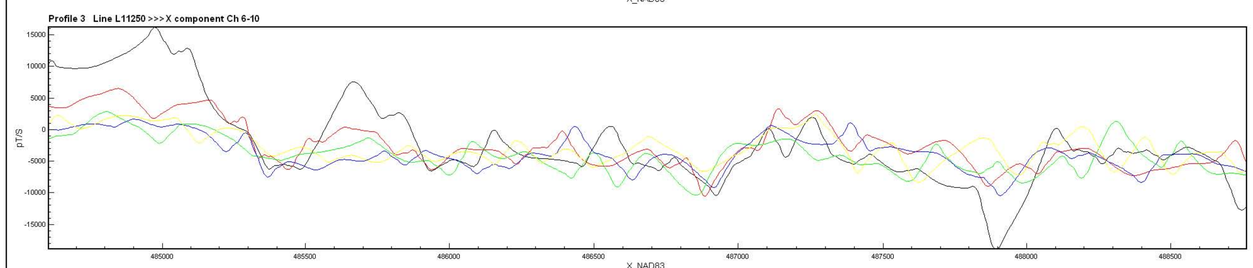
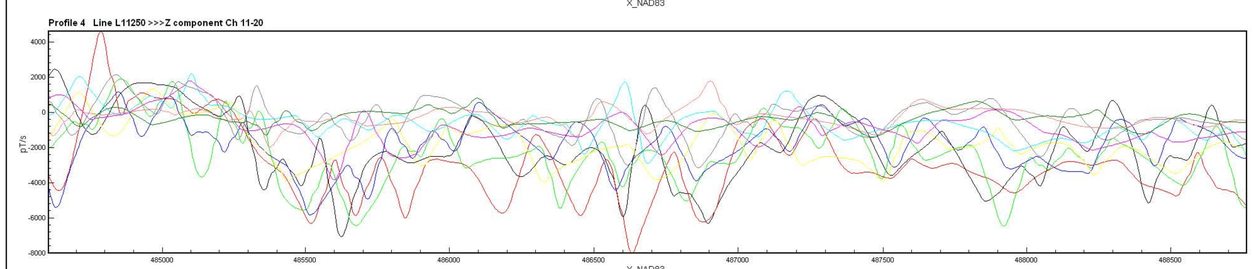
SULTAN MINERALS INC.
HeliGEOTEM ELECTROMAGNETIC SURVEY
X & Z COMPONENT PROFILES

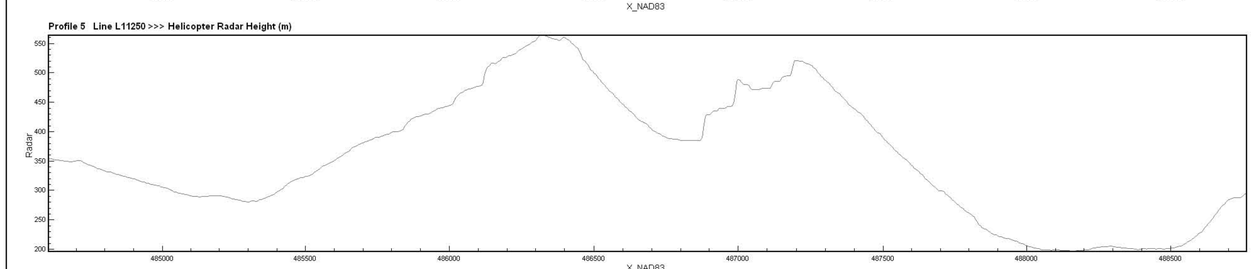
JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA











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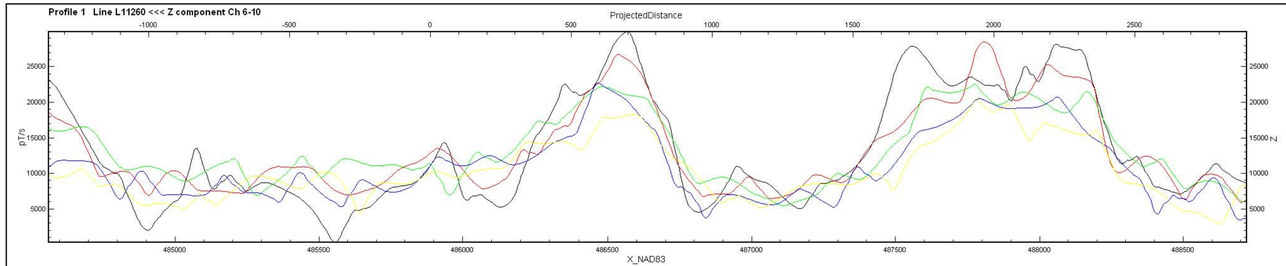
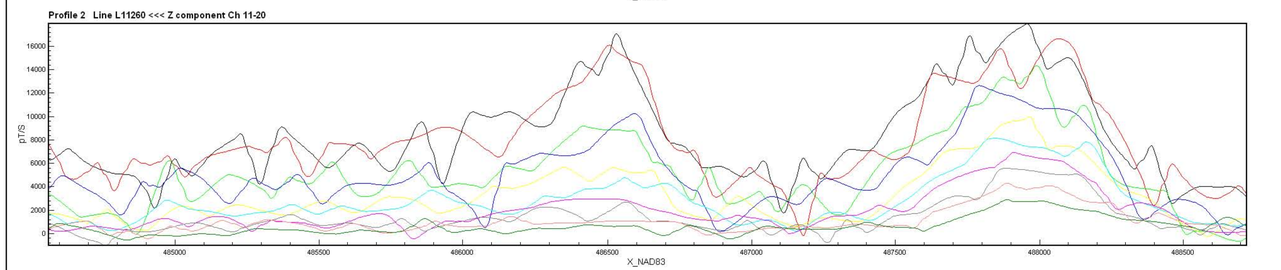
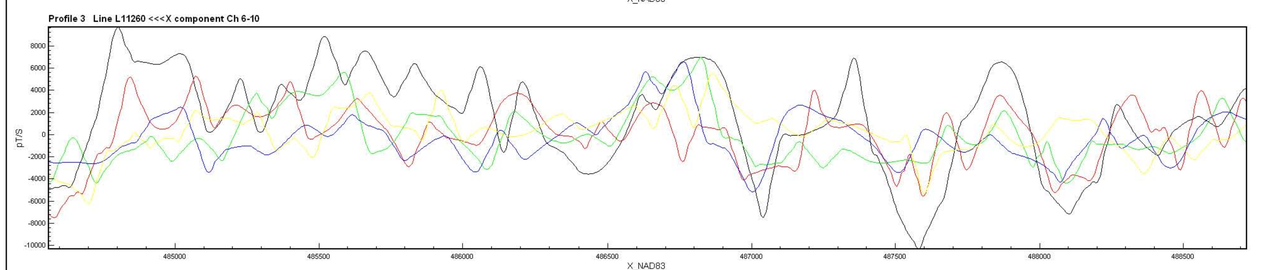
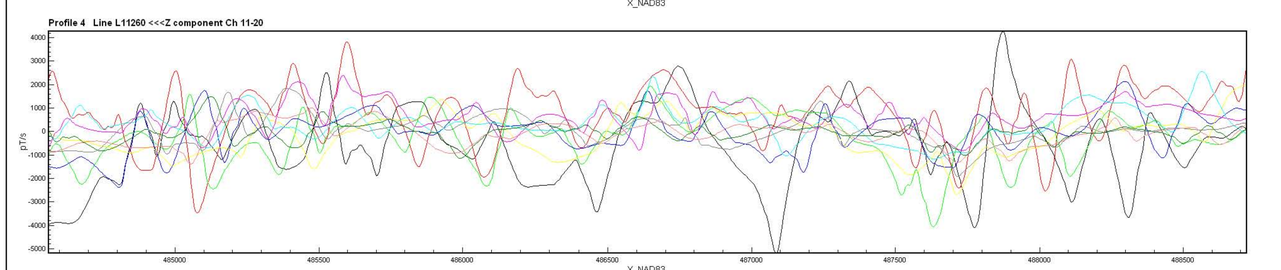
HeliGEOTEM ELECTROMAGNETIC SURVEY
X & Z COMPONENT PROFILES

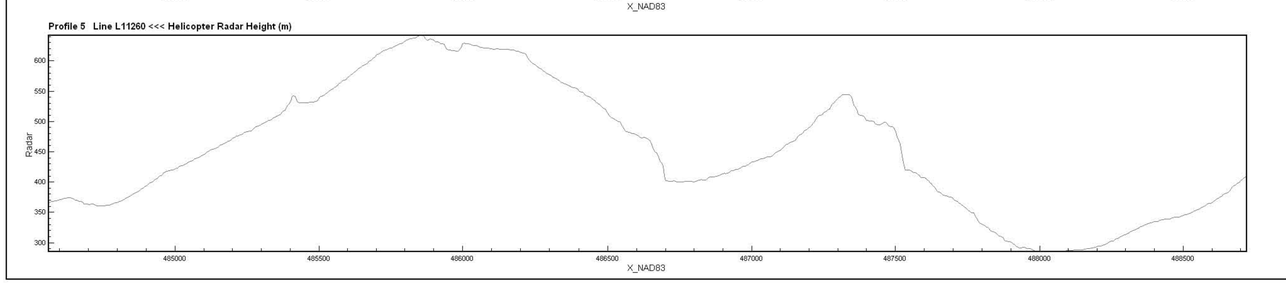
JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA











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HeliGEOTEM ELECTROMAGNETIC SURVEY
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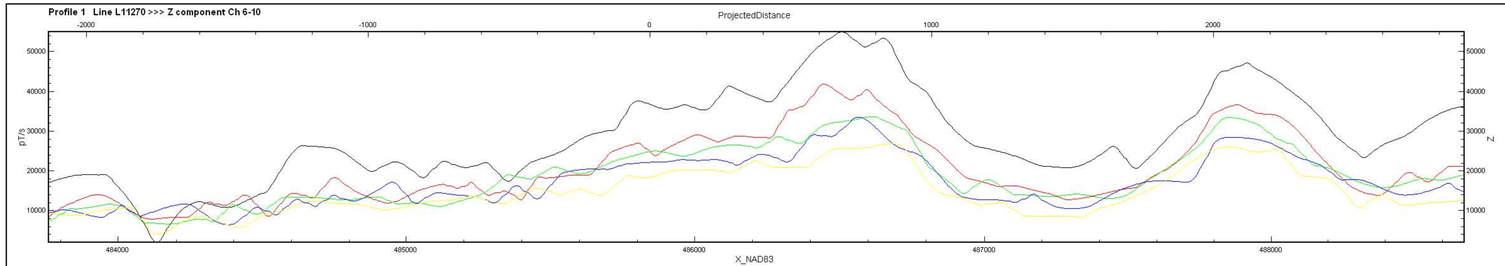
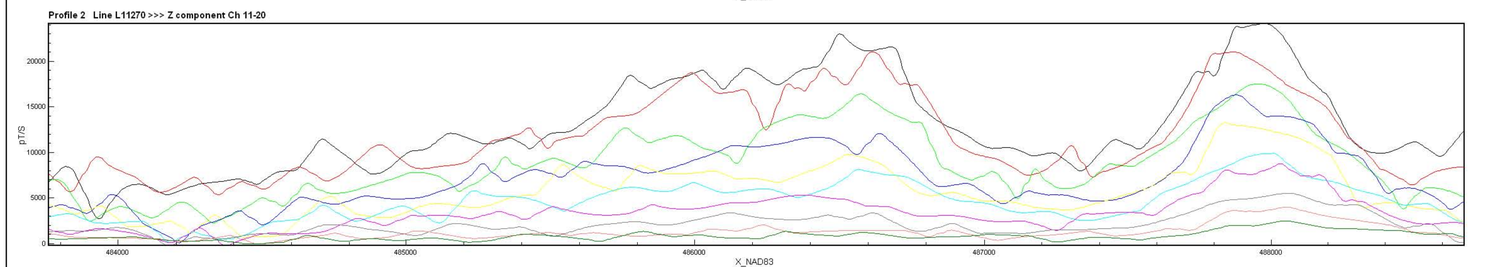
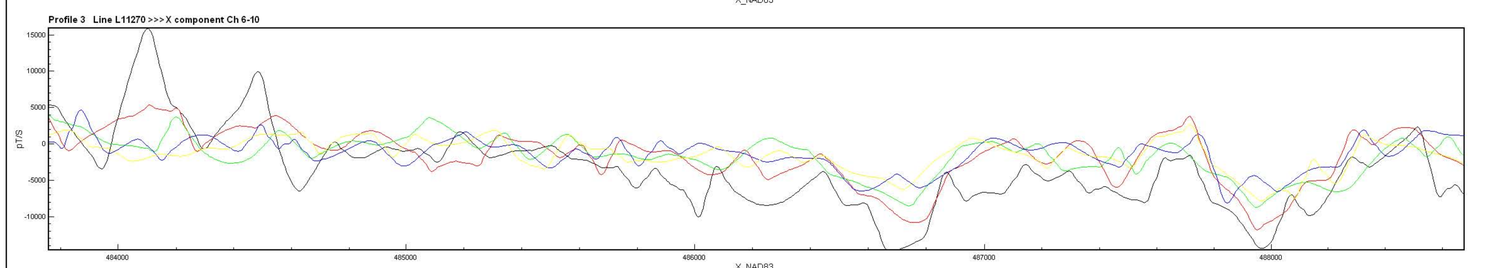
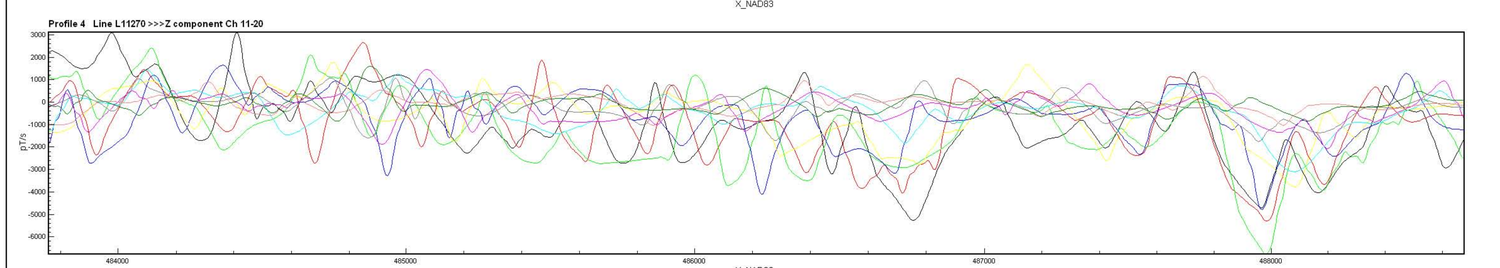
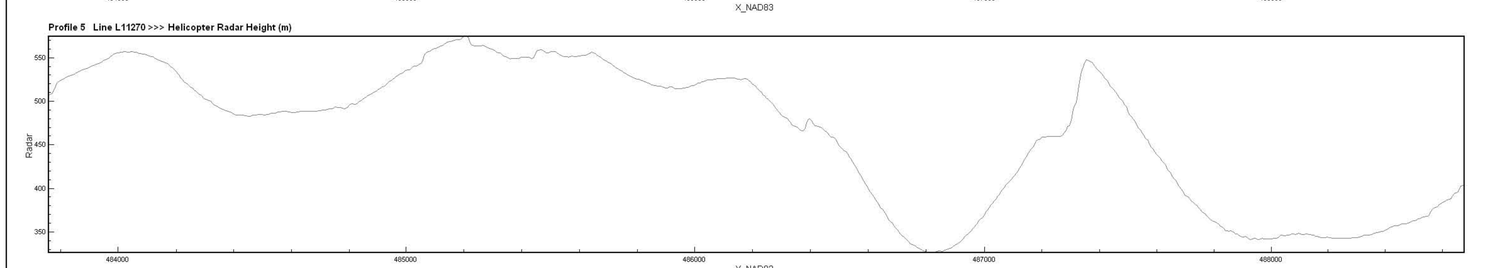
SALMO AREA, BRITISH COLUMBIA











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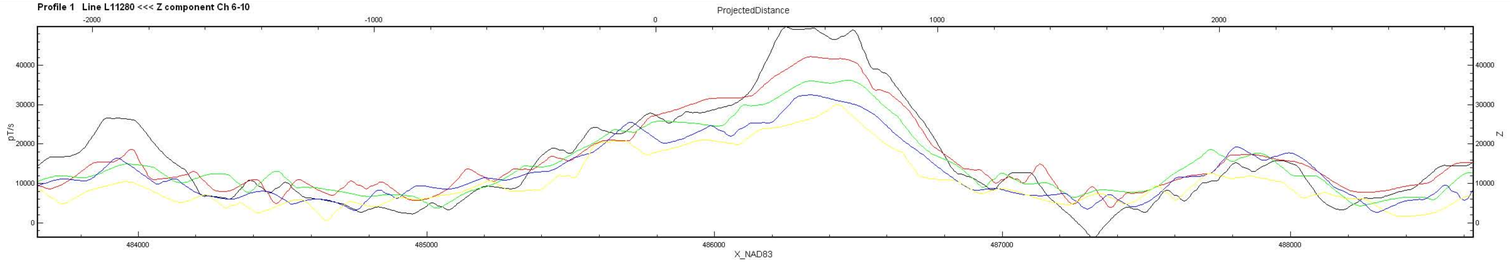
HeliGEOTEM ELECTROMAGNETIC SURVEY
X & Z COMPONENT PROFILES

JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA

Profile 1 Line L11280 <<< Z component Ch 6-10



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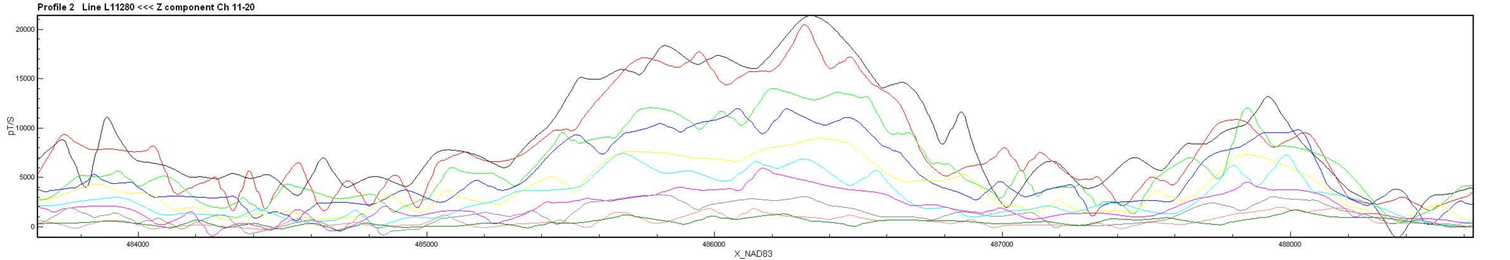
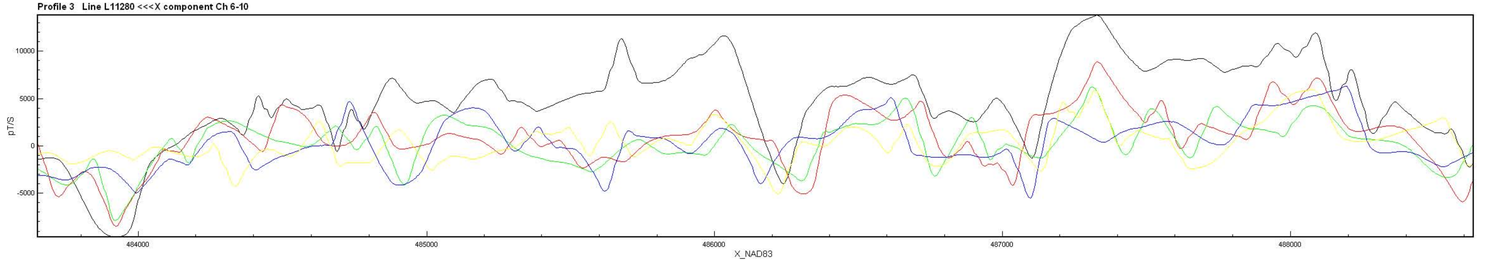
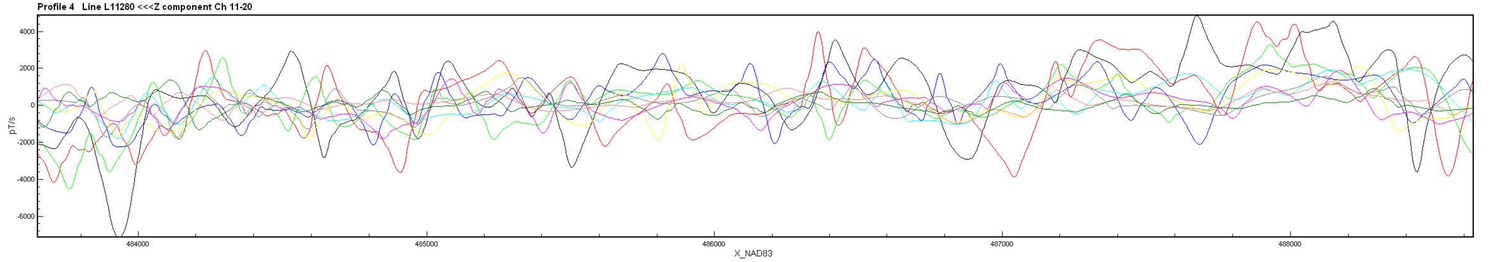


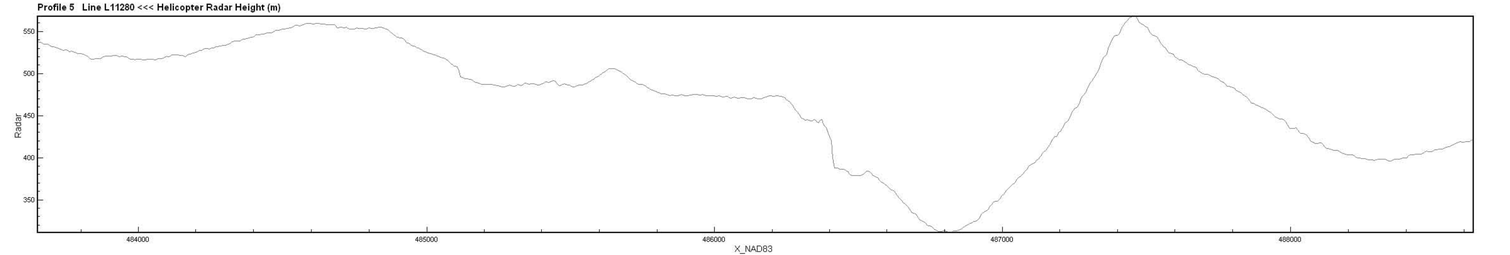
Profile 3 Line L11280 <<<X component Ch 6-10



Profile 4 Line L11280 <<<Z component Ch 11-20



Profile 5 Line L11280 <<< Helicopter Radar Height (m)



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HeliGEOTEM ELECTROMAGNETIC SURVEY
X & Z COMPONENT PROFILES

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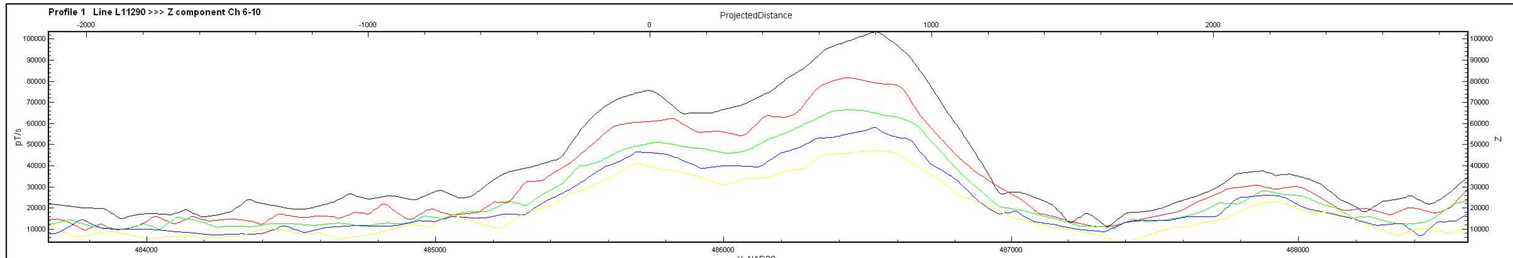
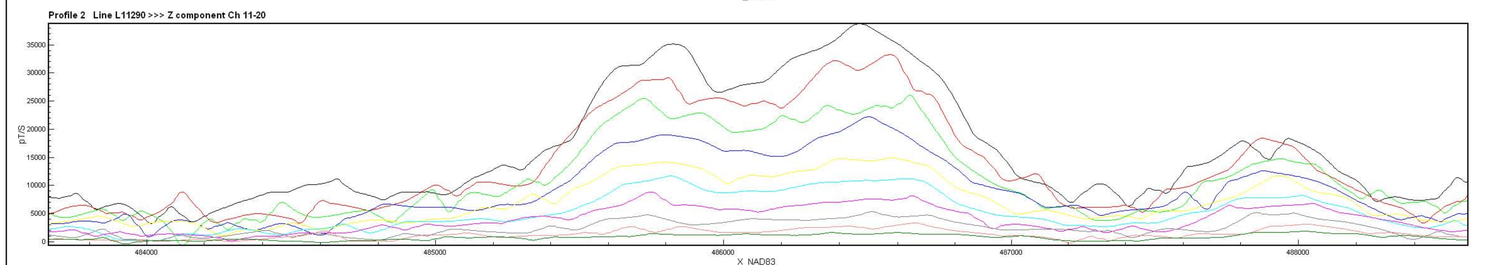
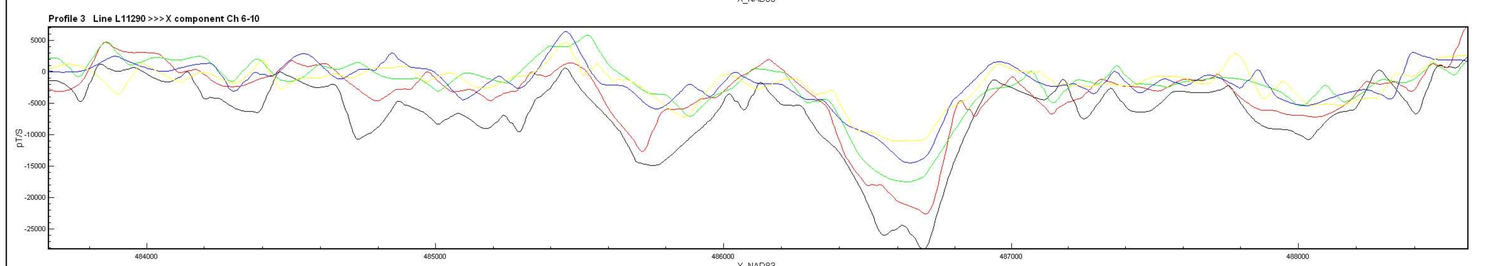
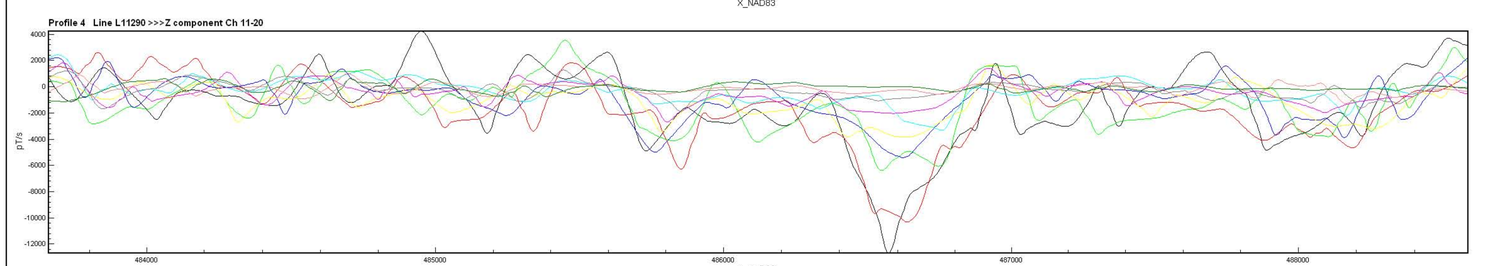
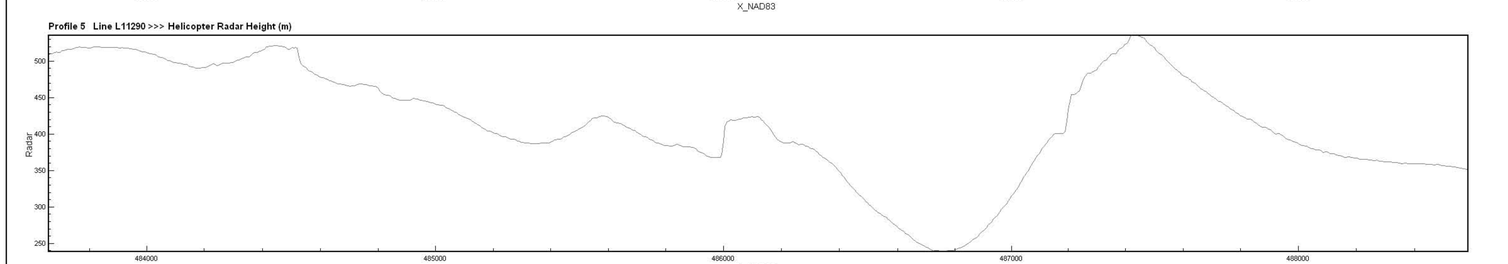
SALMO AREA, BRITISH COLUMBIA











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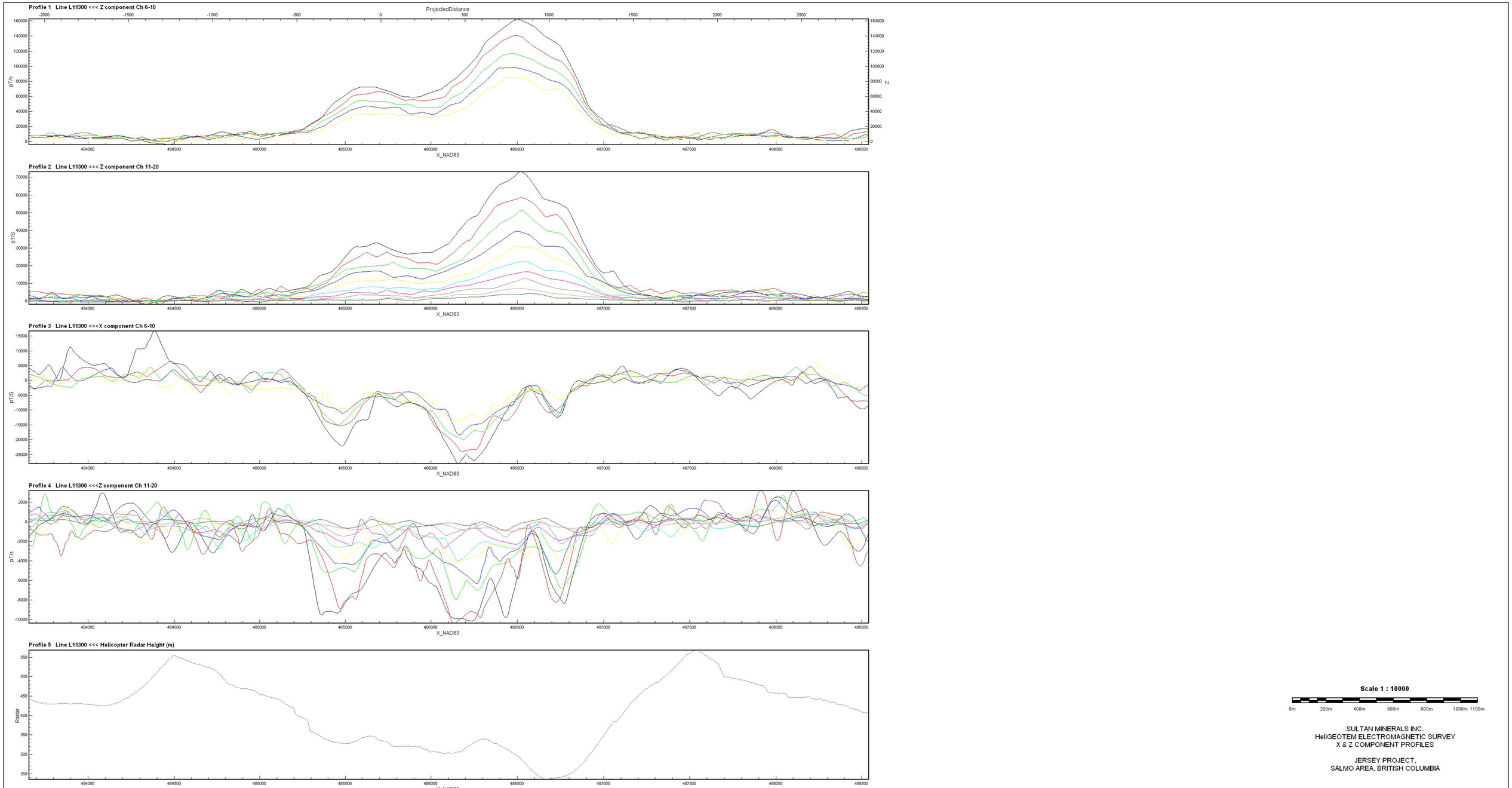
HeliGEOTEM ELECTROMAGNETIC SURVEY
X & Z COMPONENT PROFILES

JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA



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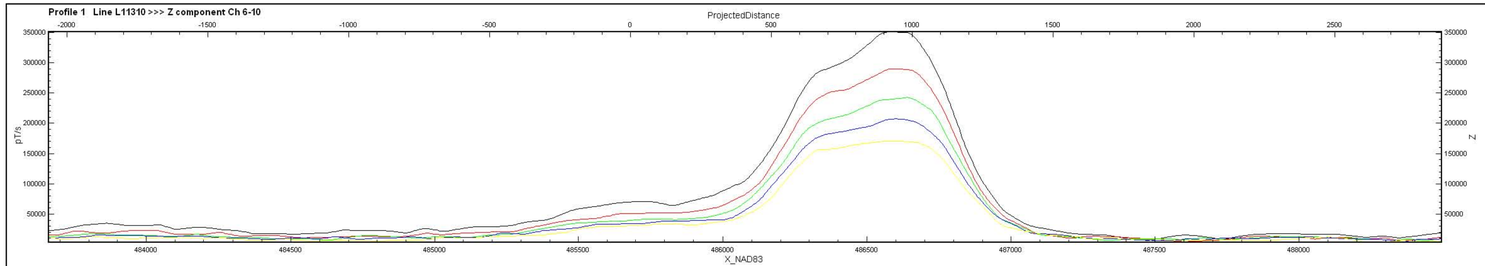
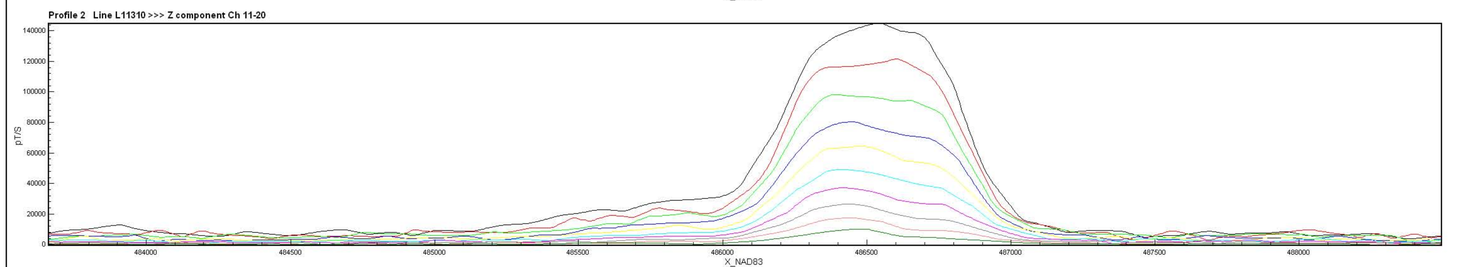
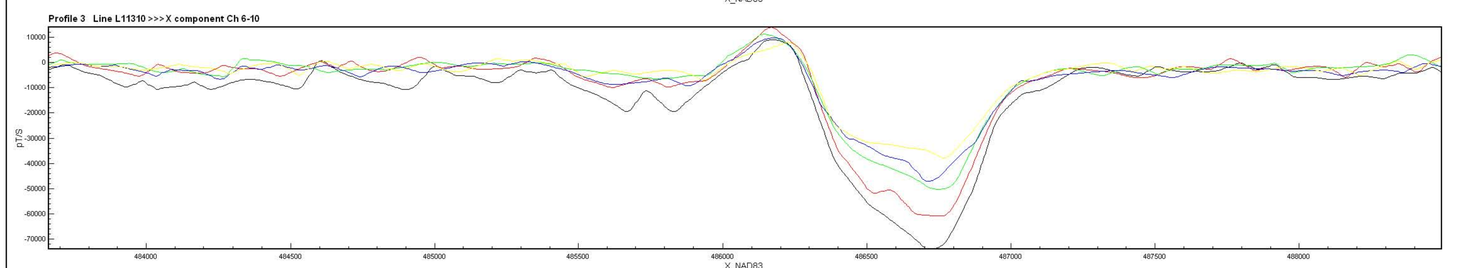
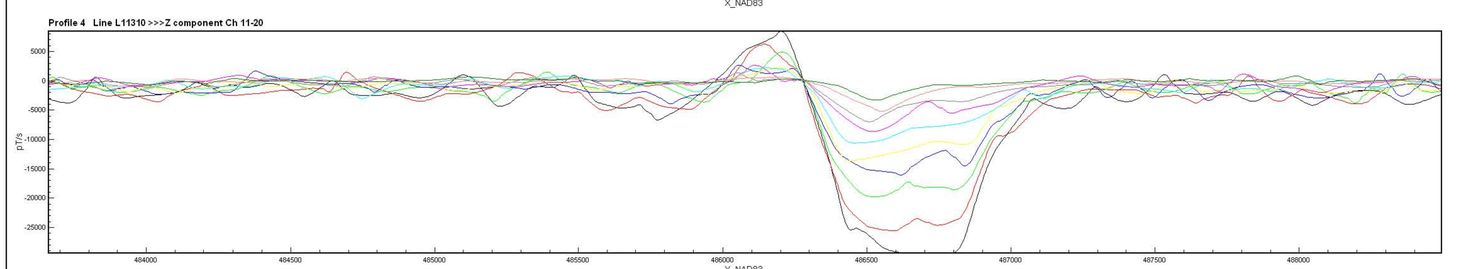
SULTAN MINERALS INC.
HeliGEOTEM ELECTROMAGNETIC SURVEY
X & Z COMPONENT PROFILES

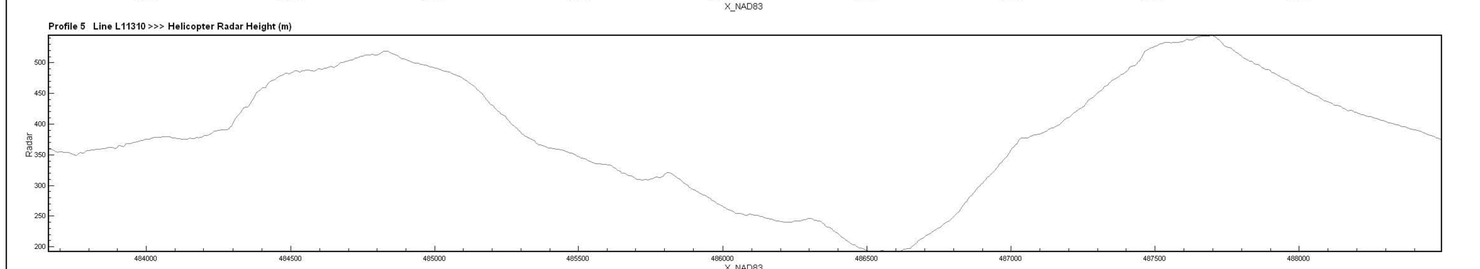
JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA











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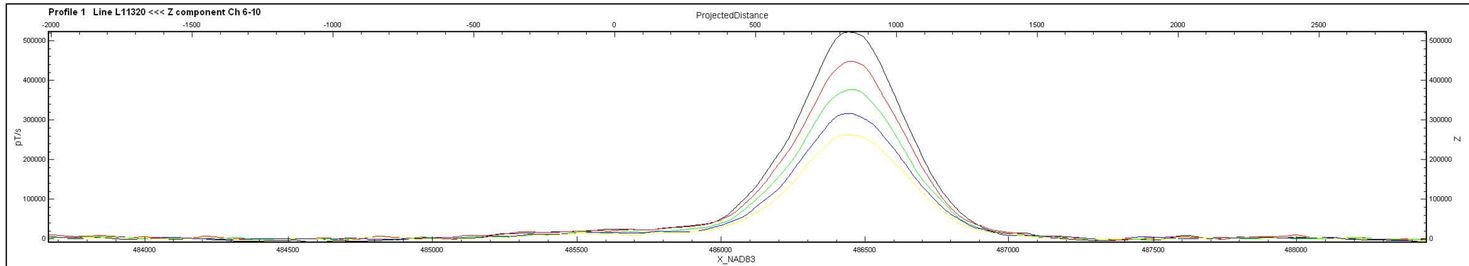
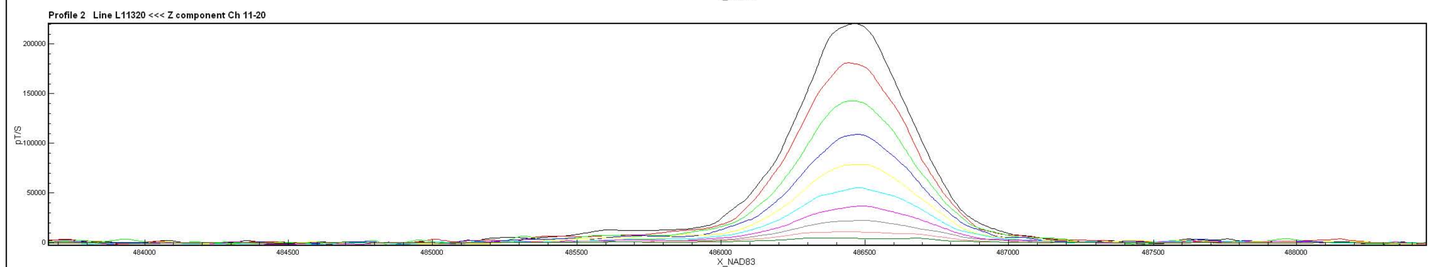
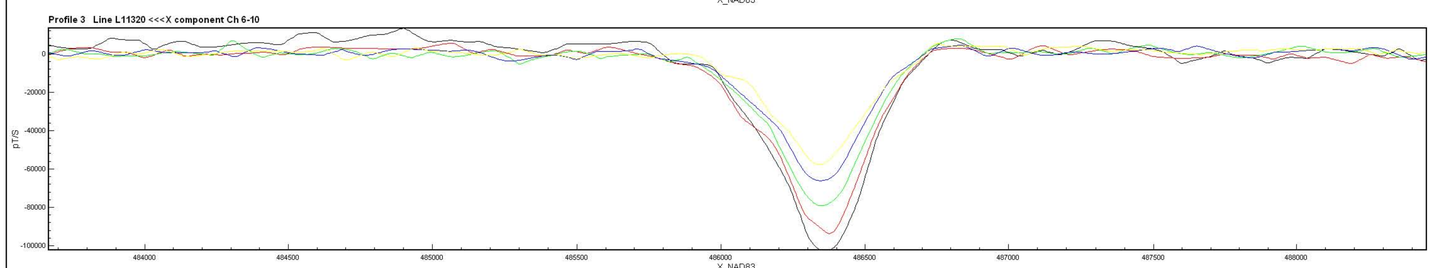
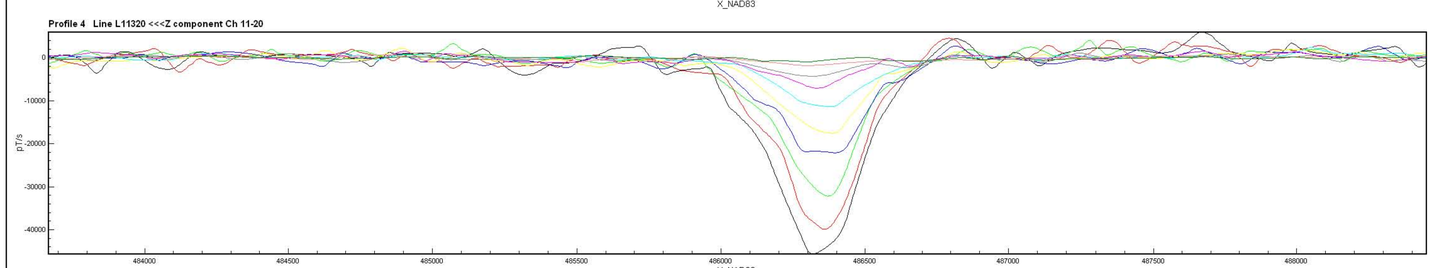
HeliGEOTEM ELECTROMAGNETIC SURVEY
X & Z COMPONENT PROFILES

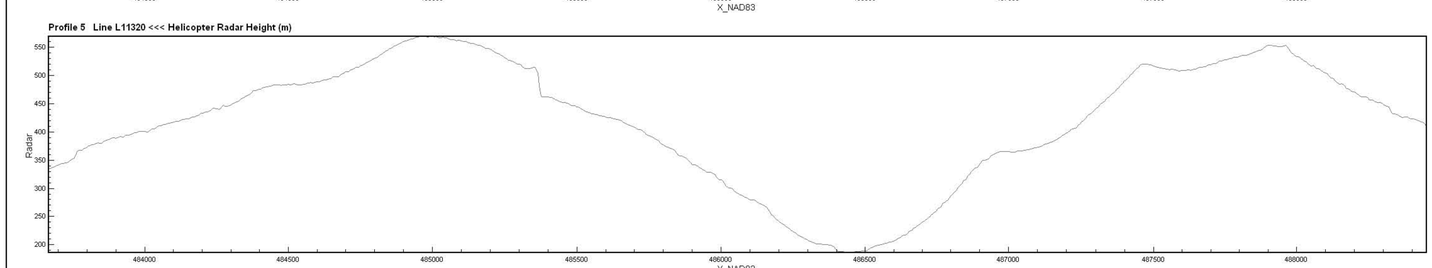
JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA











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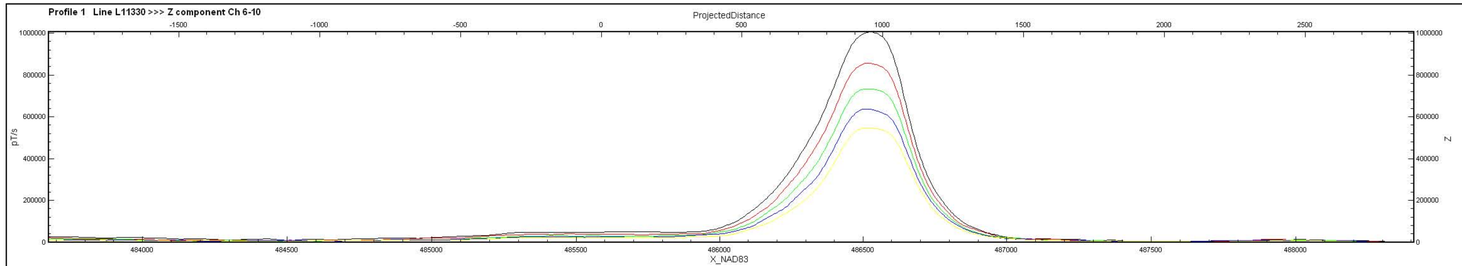

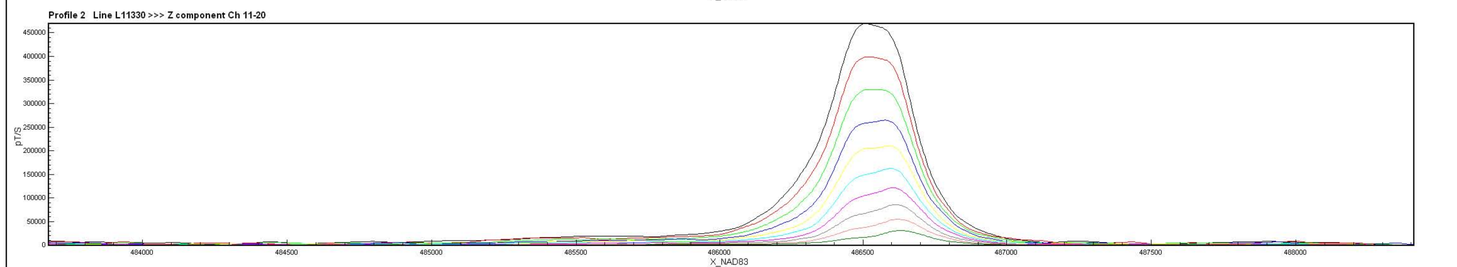

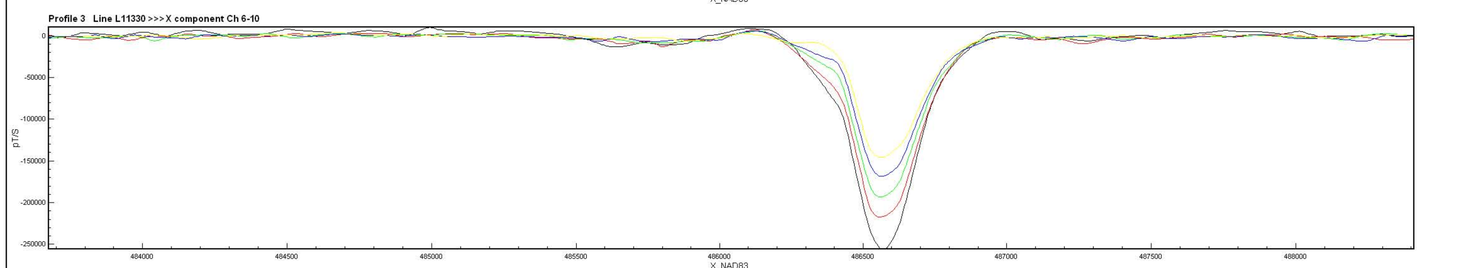

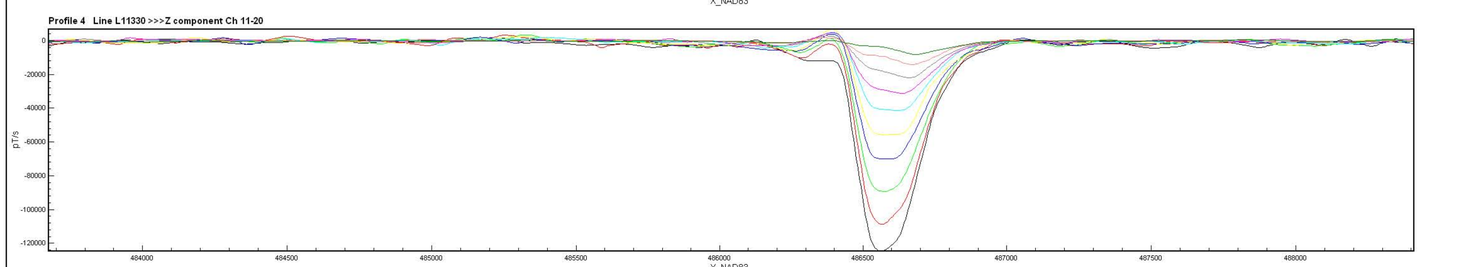

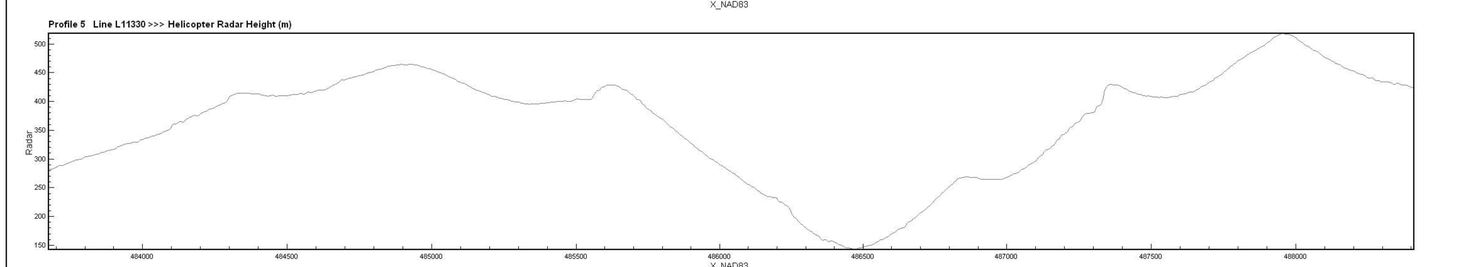

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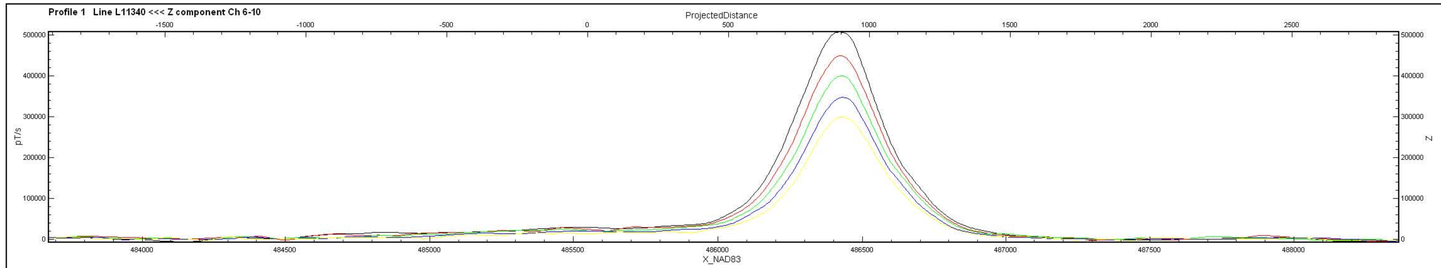

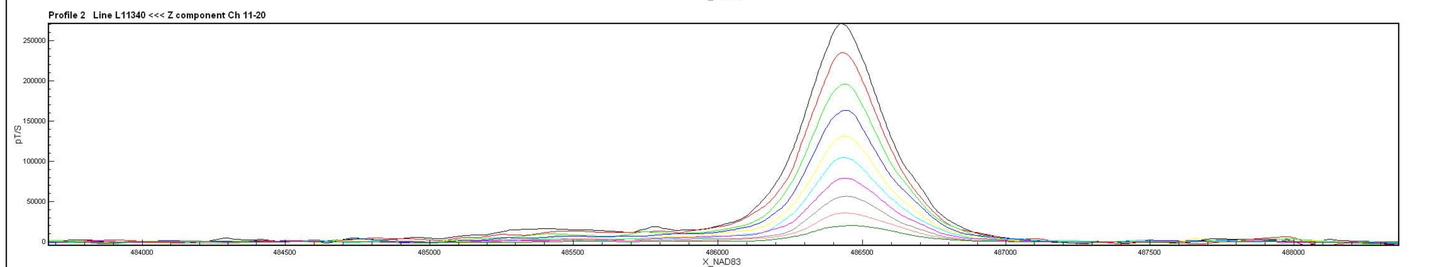

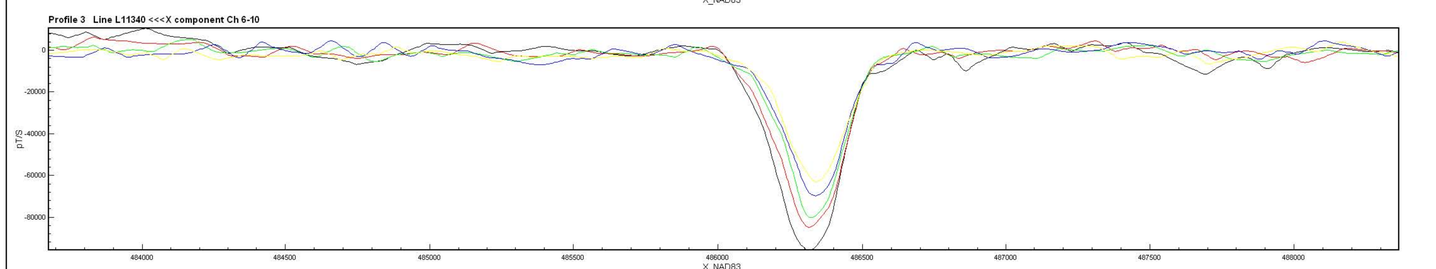

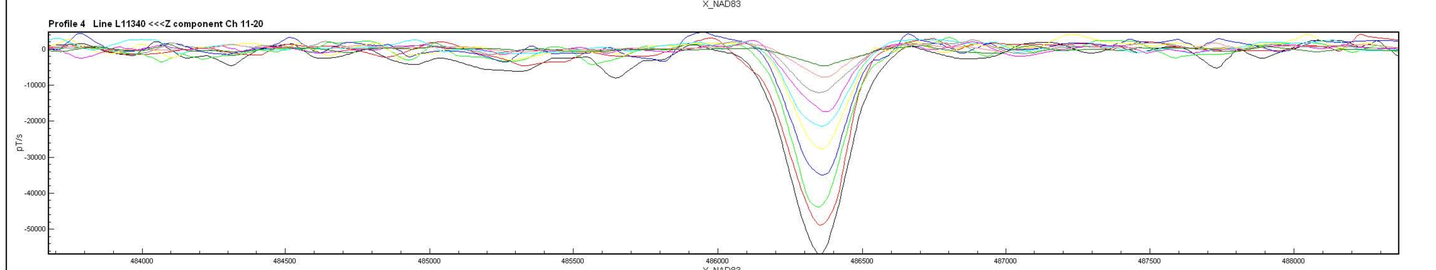

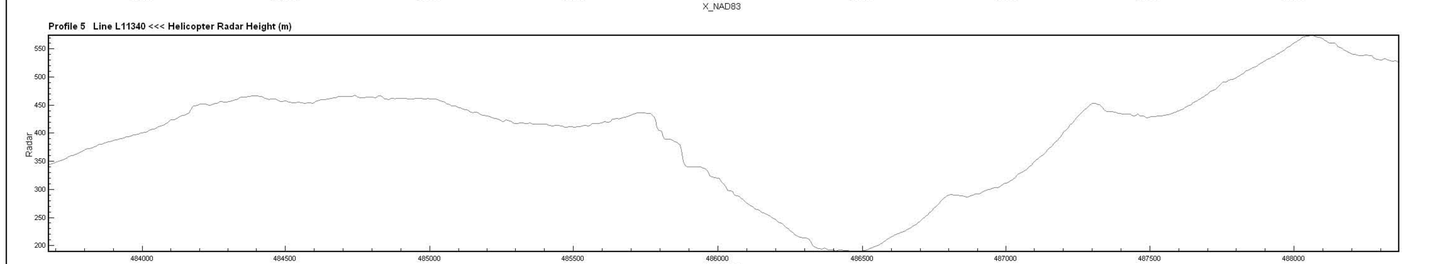

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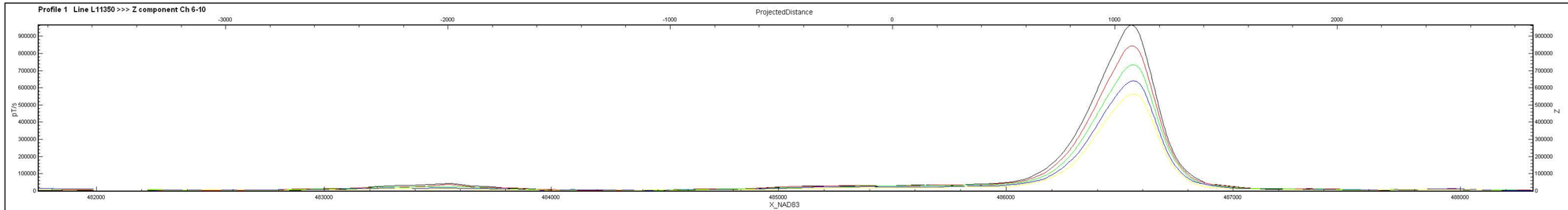
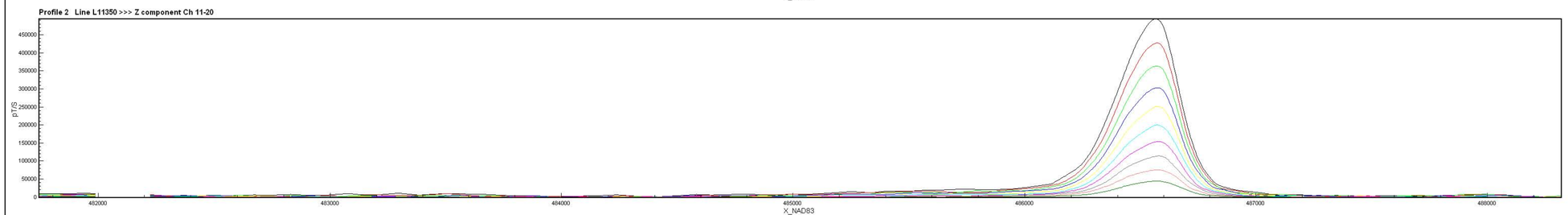
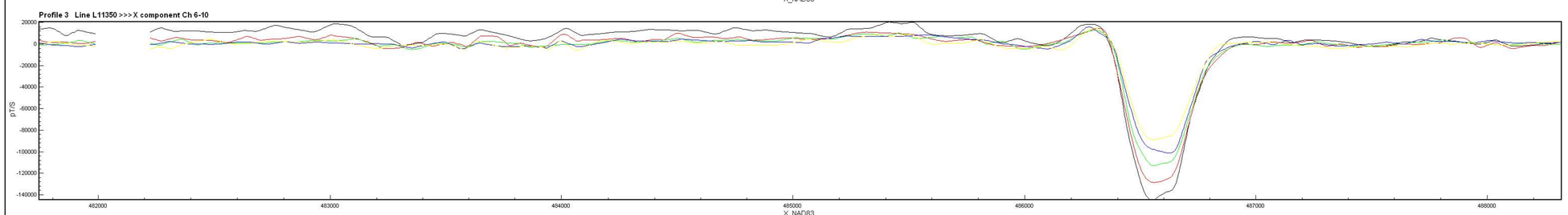
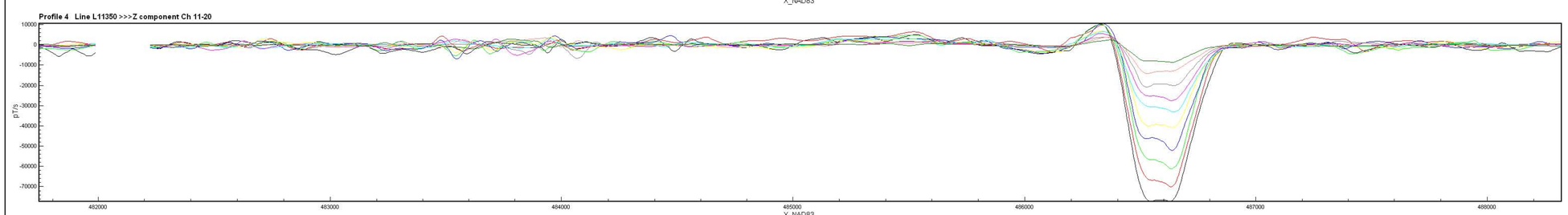
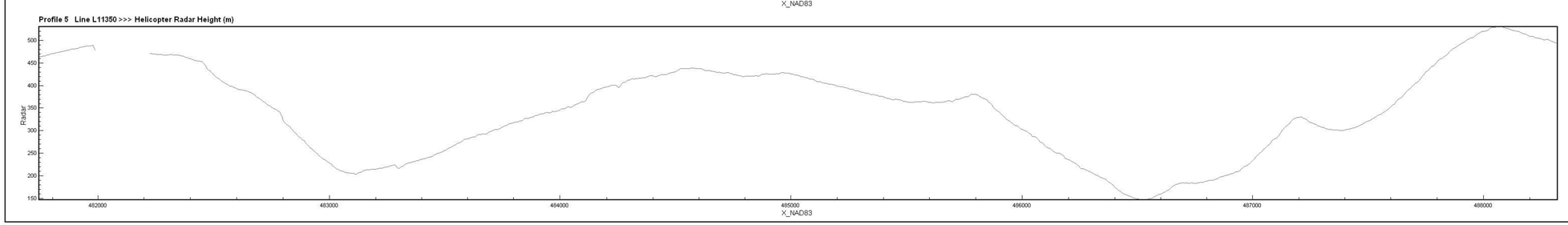








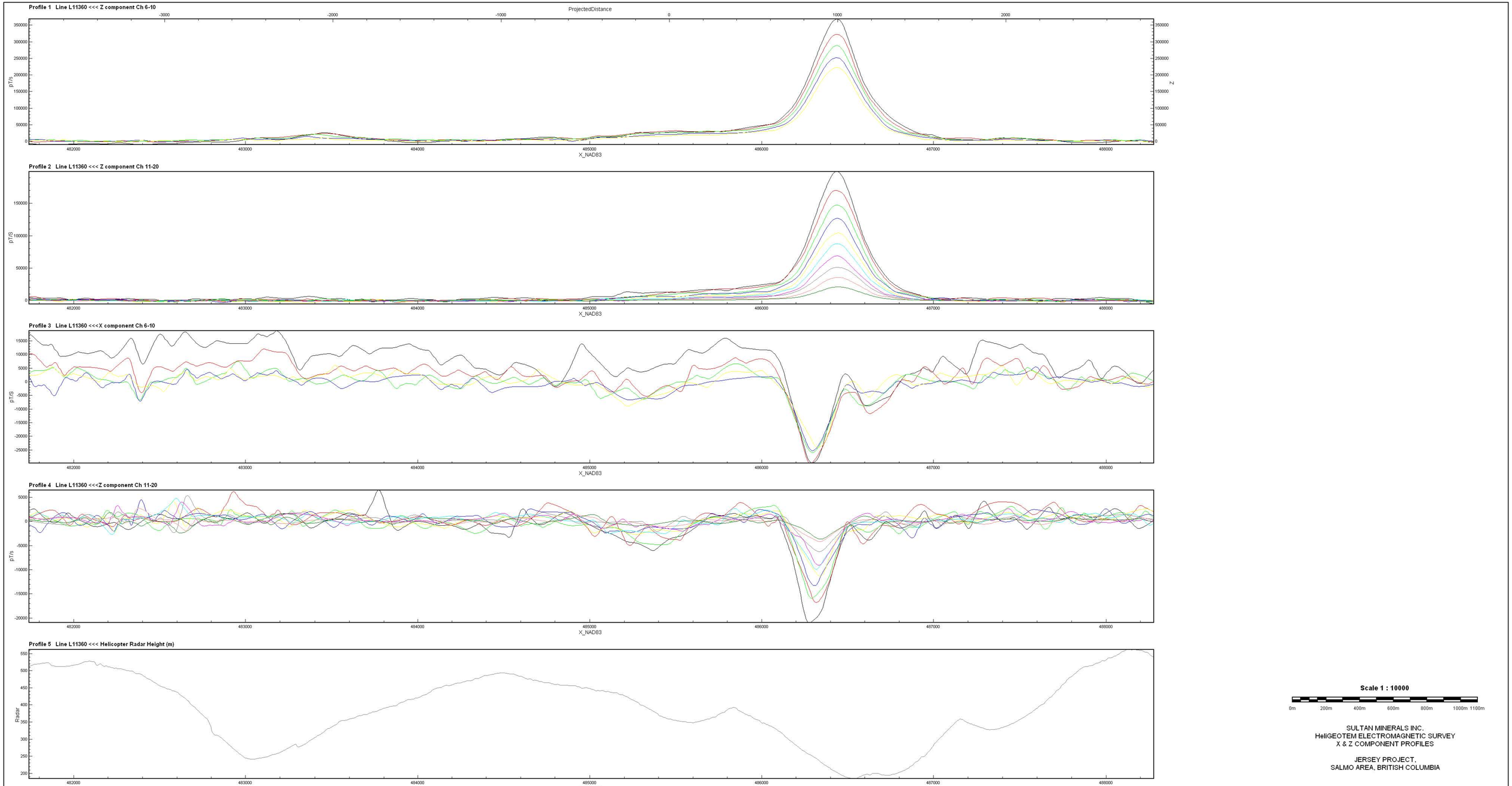


Scale 1 : 10000

0m 200m 400m 600m 800m 1000m 1100m

SULTAN MINERALS INC.
HeliGEOTEM ELECTROMAGNETIC SURVEY
X & Z COMPONENT PROFILES

JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA



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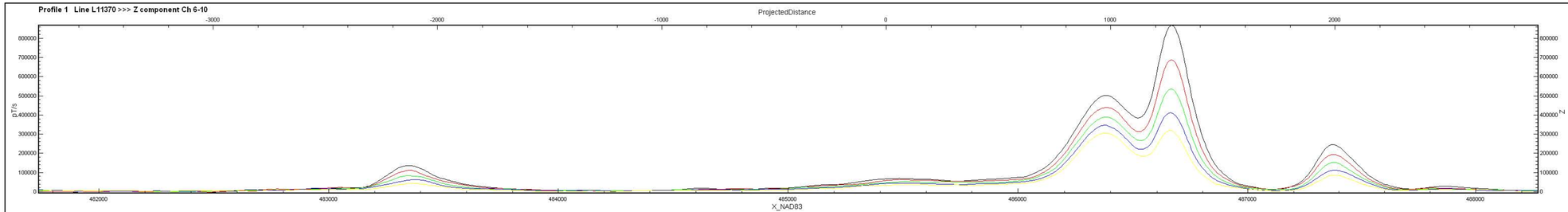

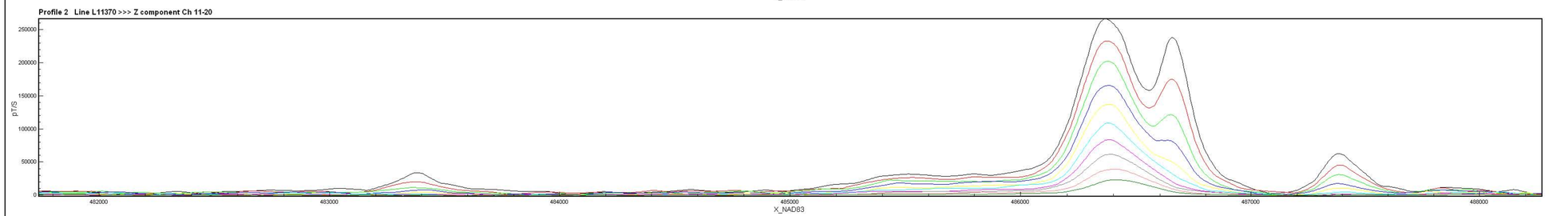

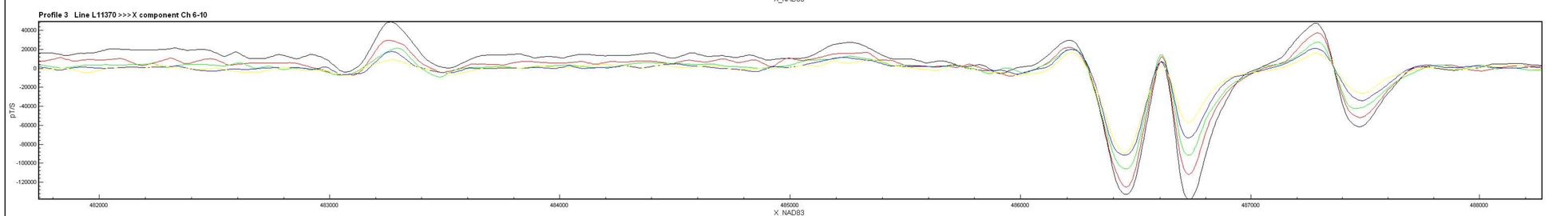

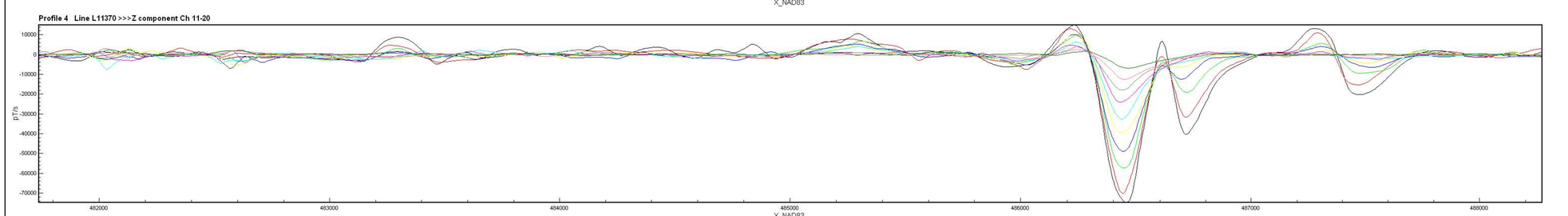

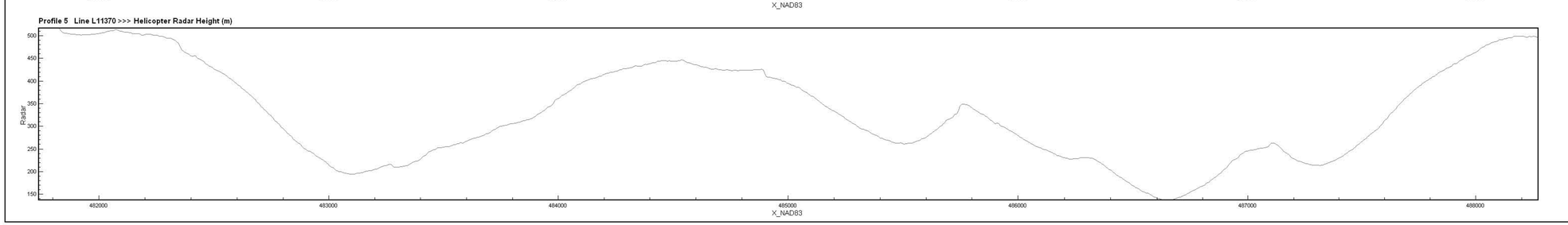

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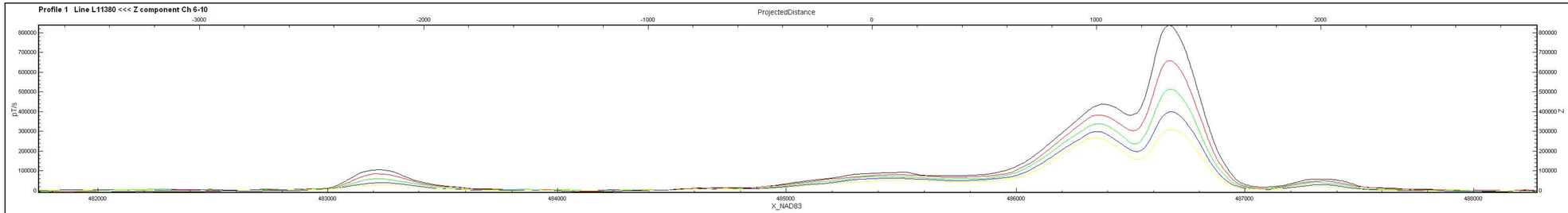

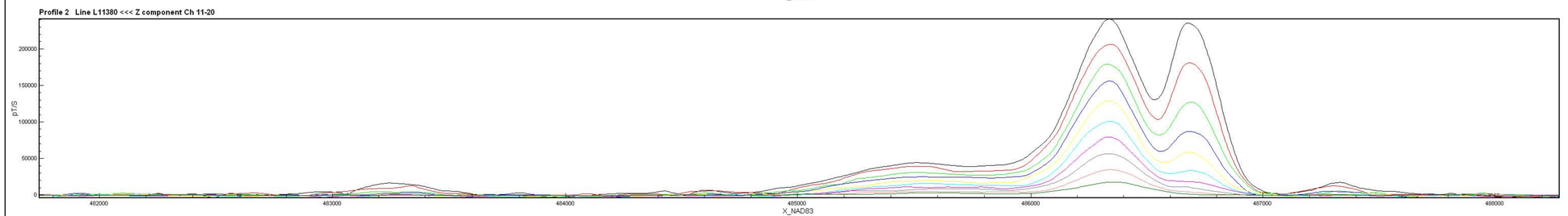

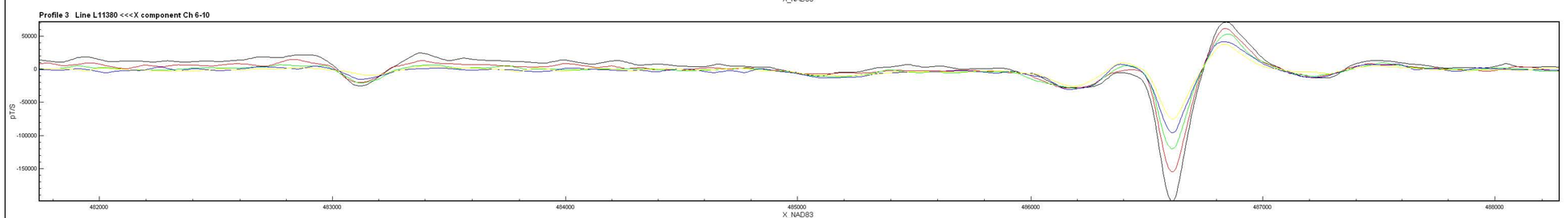

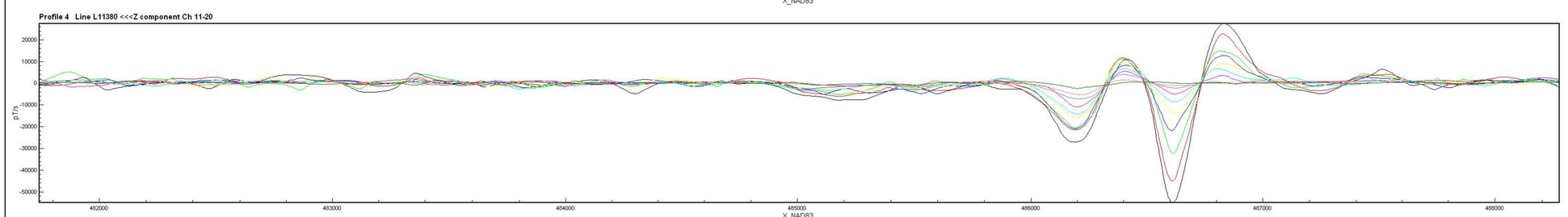

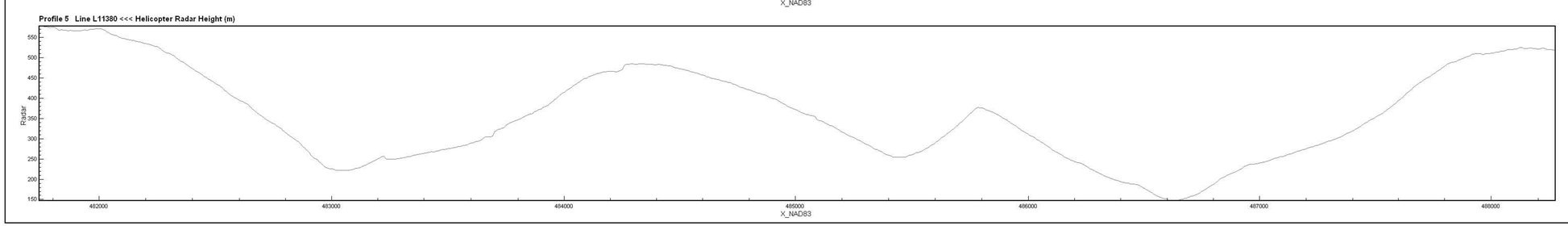

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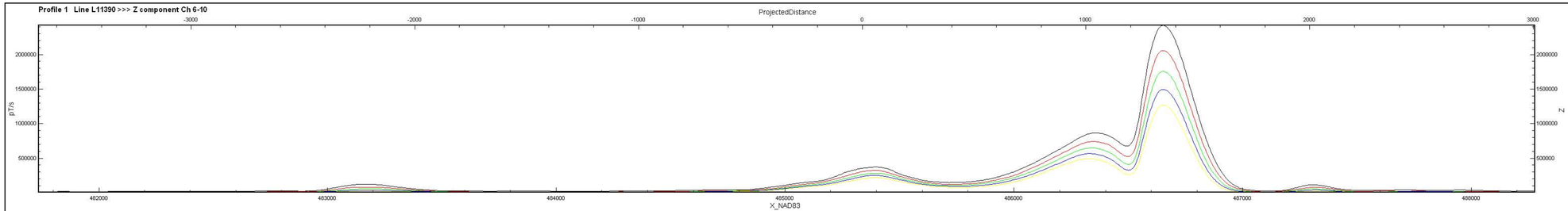

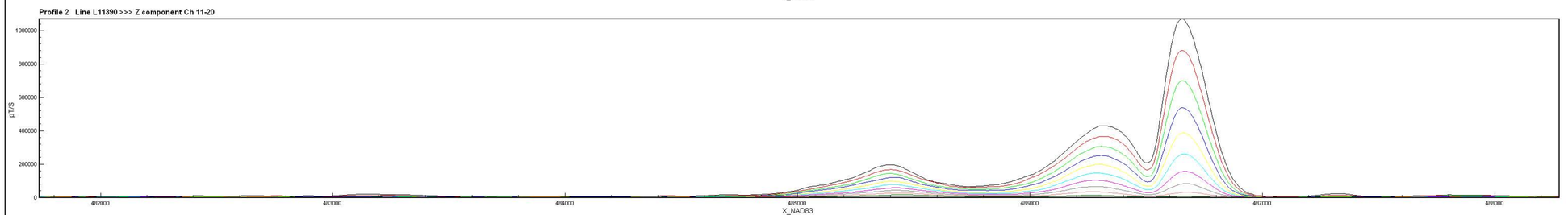

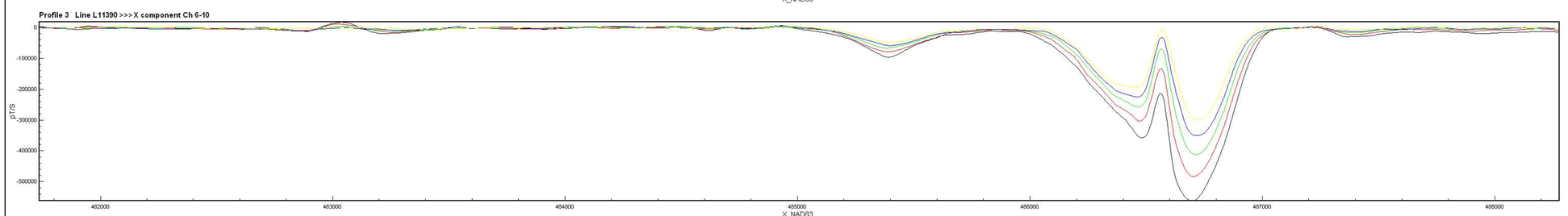

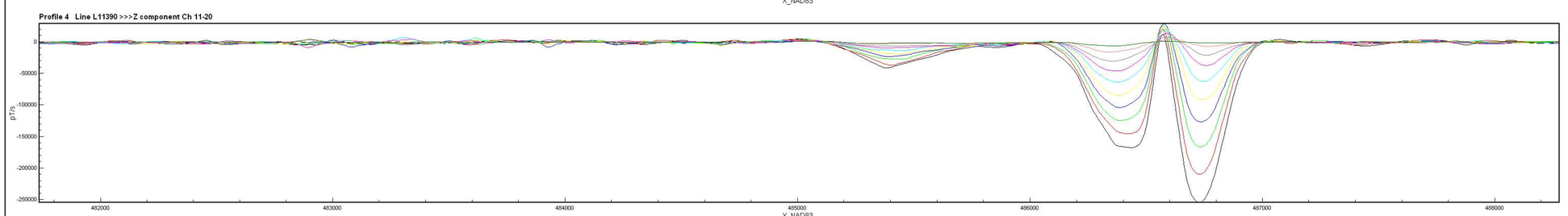

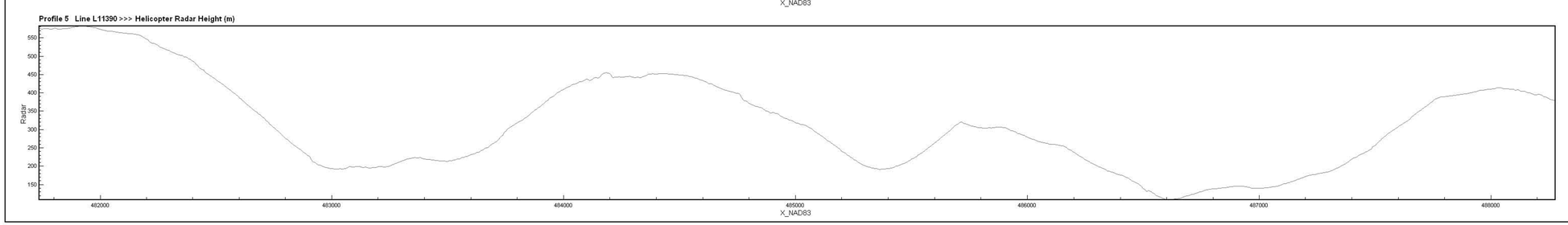

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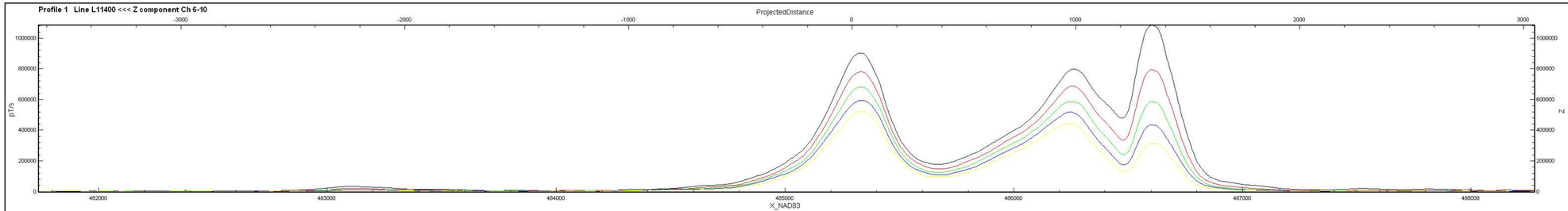
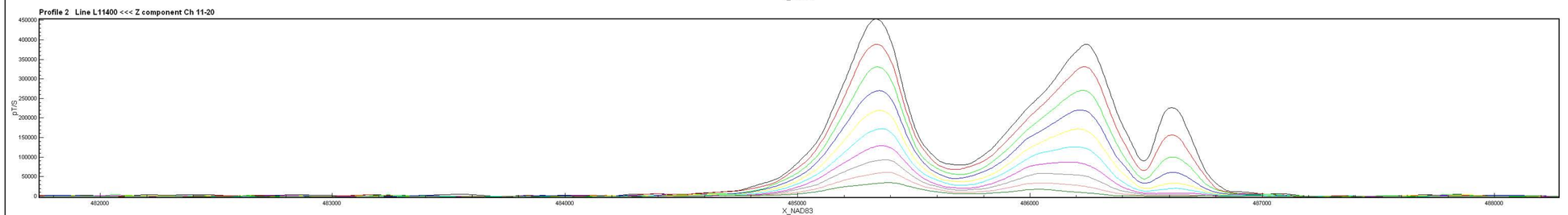
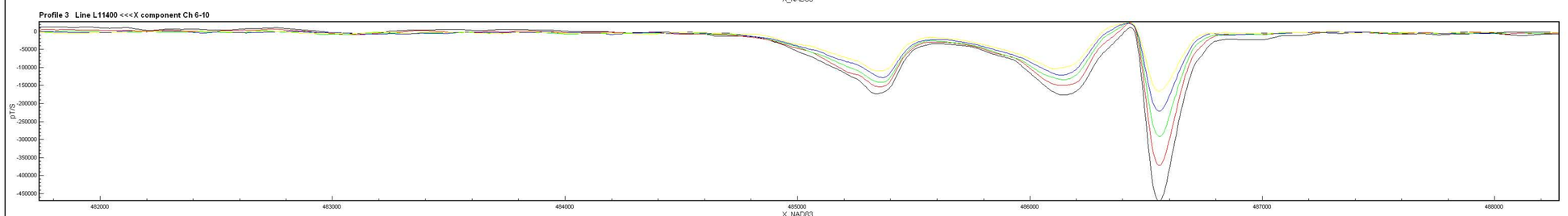
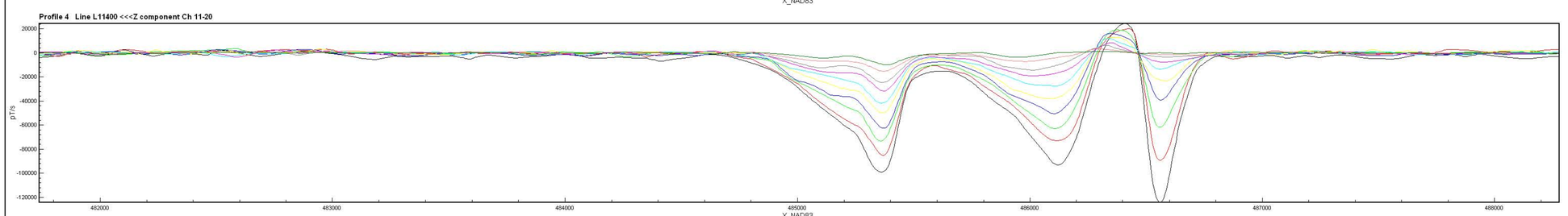
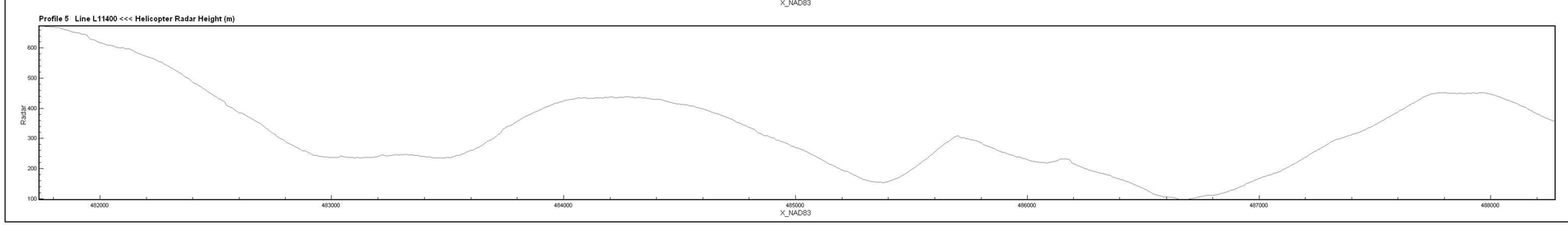
SALMO AREA, BRITISH COLUMBIA











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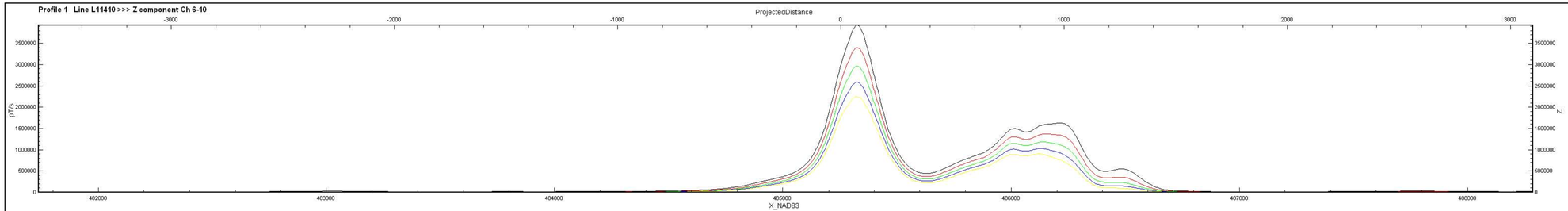

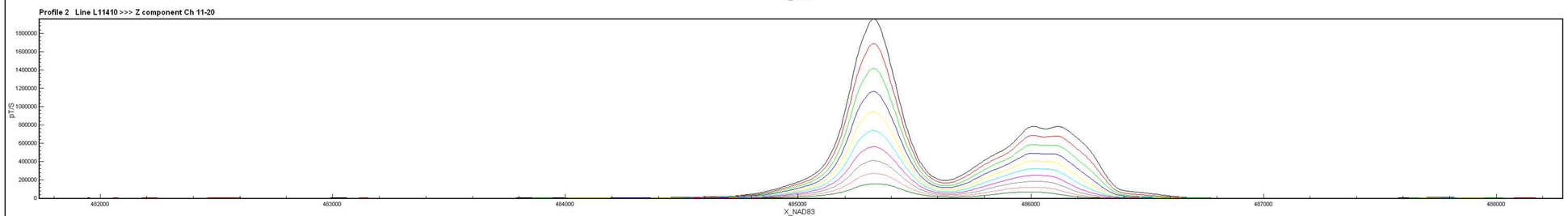

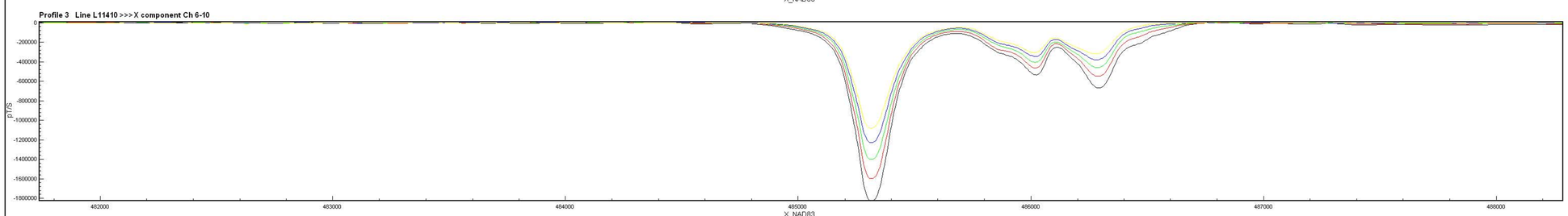

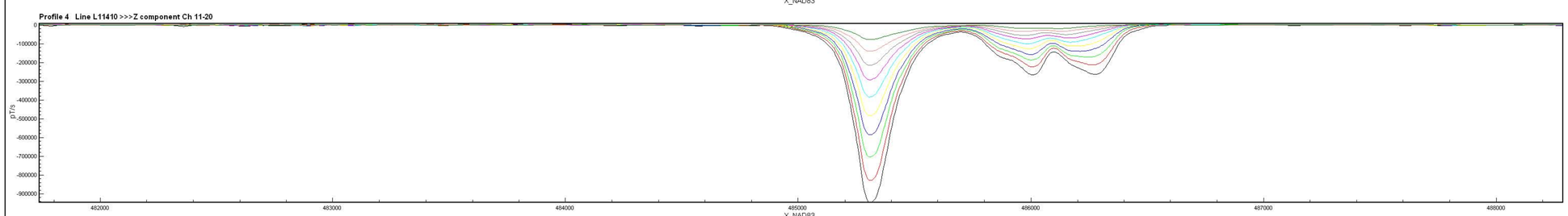

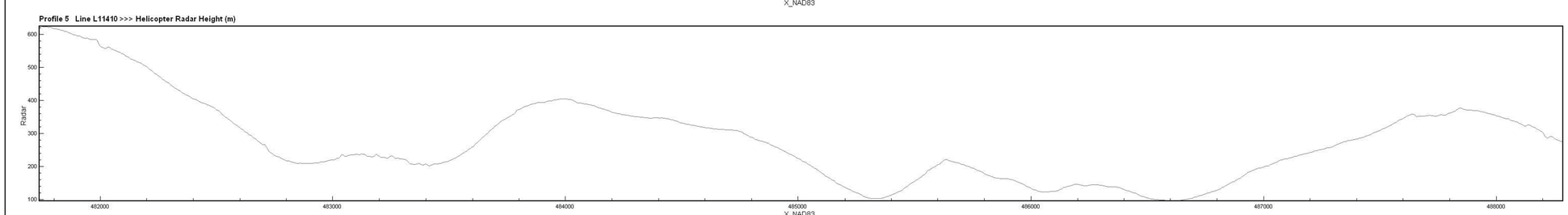

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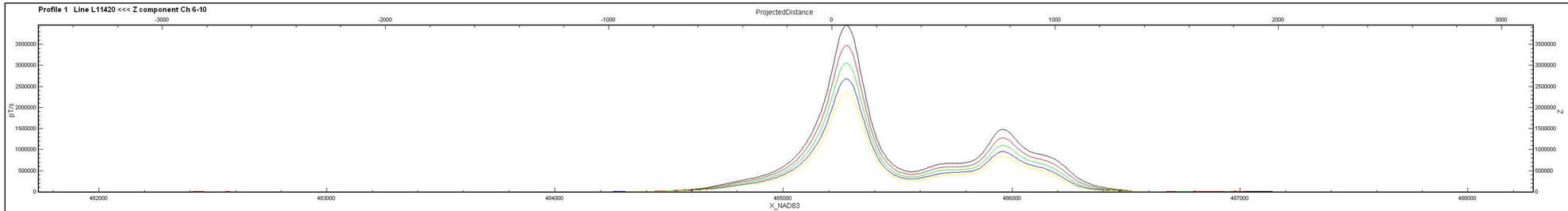
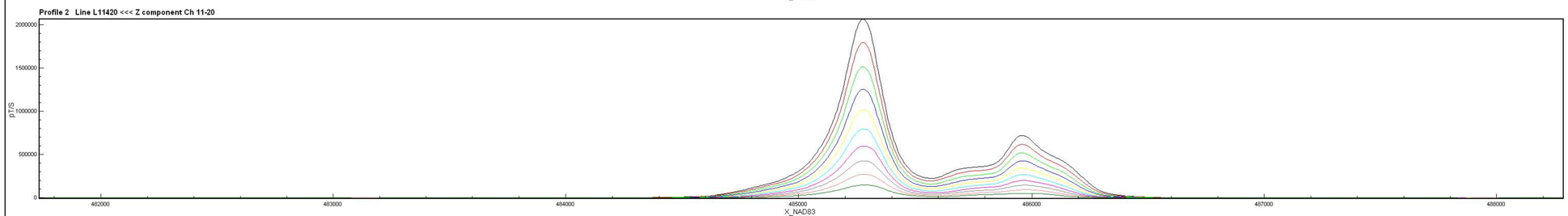
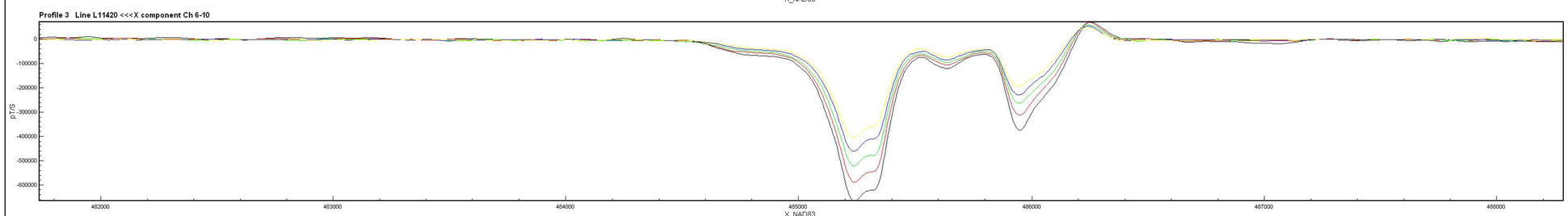
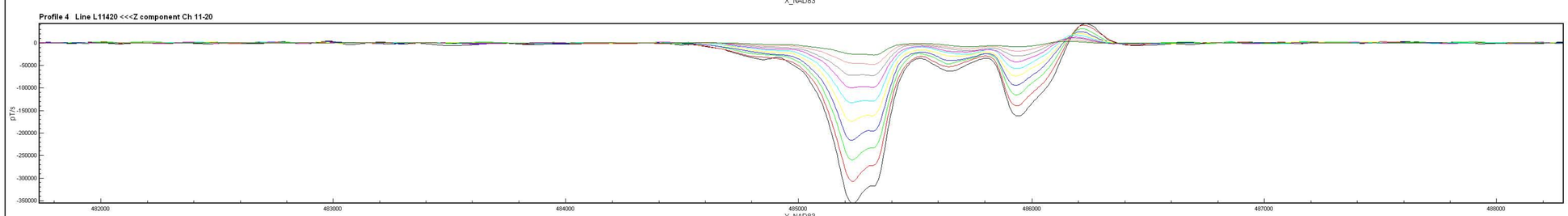
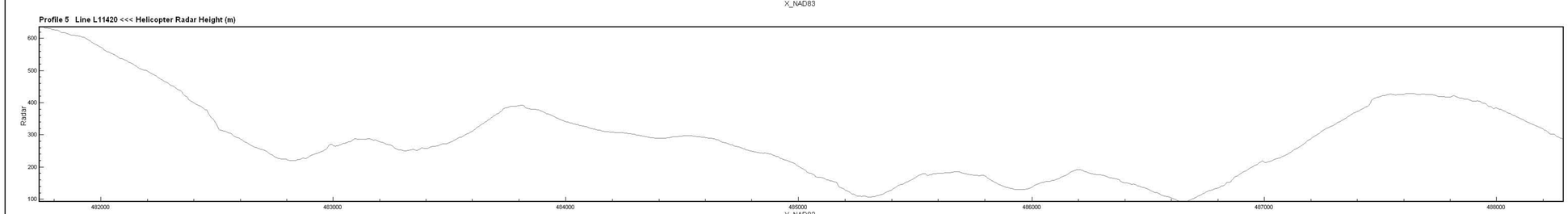
SALMO AREA, BRITISH COLUMBIA











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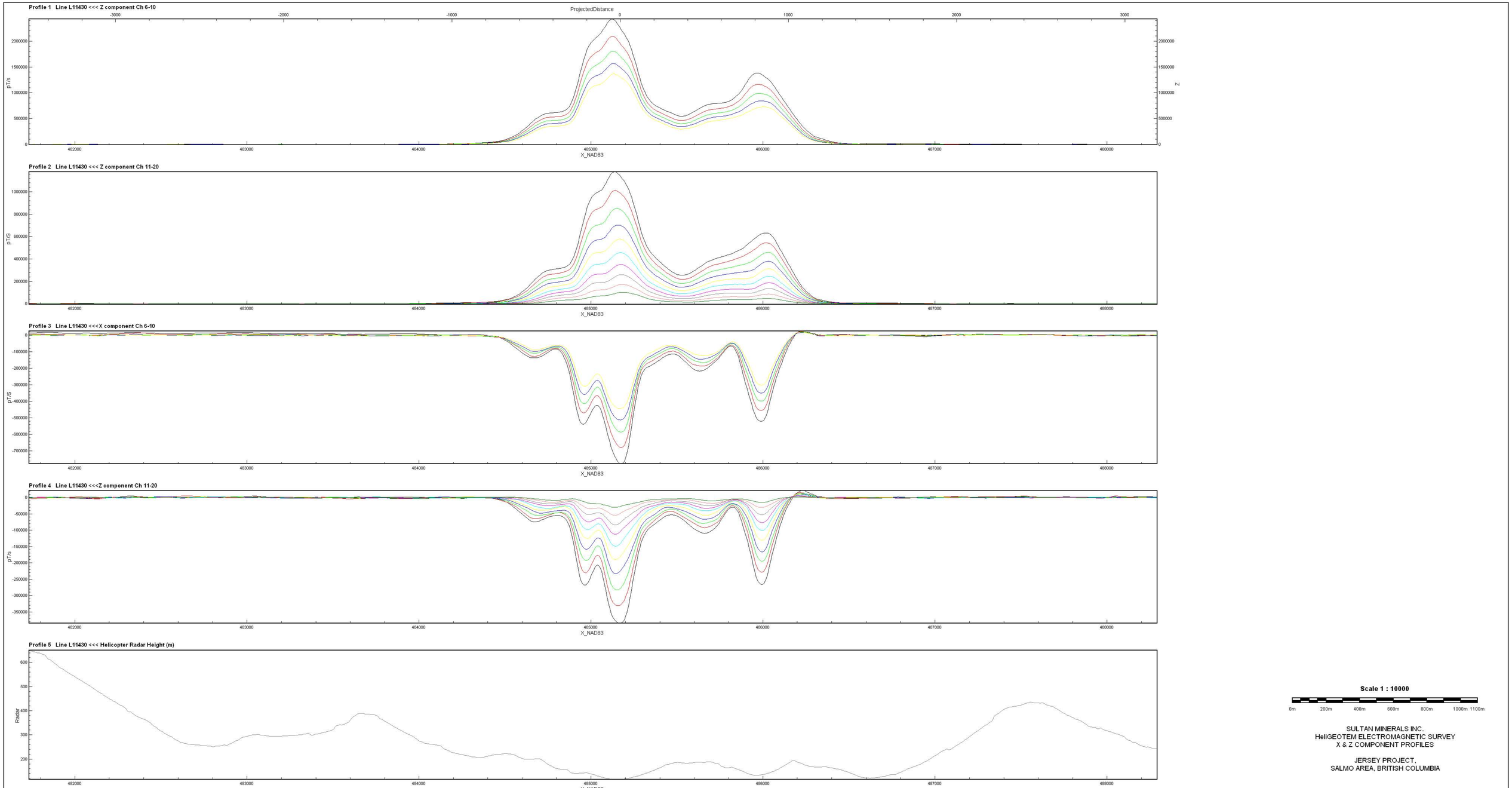
HeliGEOTEM ELECTROMAGNETIC SURVEY
X & Z COMPONENT PROFILES

JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA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ProjectedDistance
-3000
-2000
-1000
0
1000
2000
3000
2000000
1500000
1000000
500000
0
pT/s
Z
482000
483000
484000
485000
486000
487000
488000
X_NAD83
Profile 2 Line L11430 <<< Z component Ch 11-20
1000000
800000
600000
400000
200000
0
pT/s
X_NAD83
Profile 3 Line L11430 <<<X component Ch 6-10
0
-100000
-200000
-300000
-400000
-500000
-600000
-700000
pT/S
X_NAD83
Profile 4 Line L11430 <<<Z component Ch 11-20
0
-50000
-100000
-150000
-200000
-250000
-300000
-350000
pT/s
X_NAD83
Profile 5 Line L11430 <<< Helicopter Radar Height (m)
600
500
400
300
200
Radar
X_NAD83
Scale 1 : 10000
0m
200m
400m
600m
800m
1000m
1100m
SULTAN MINERALS INC.
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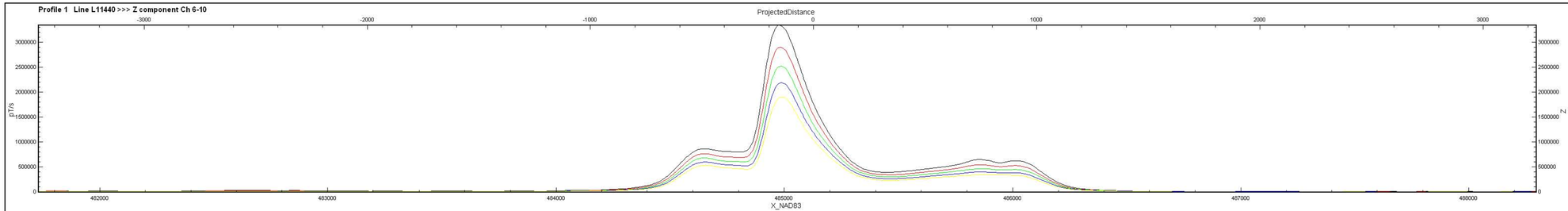
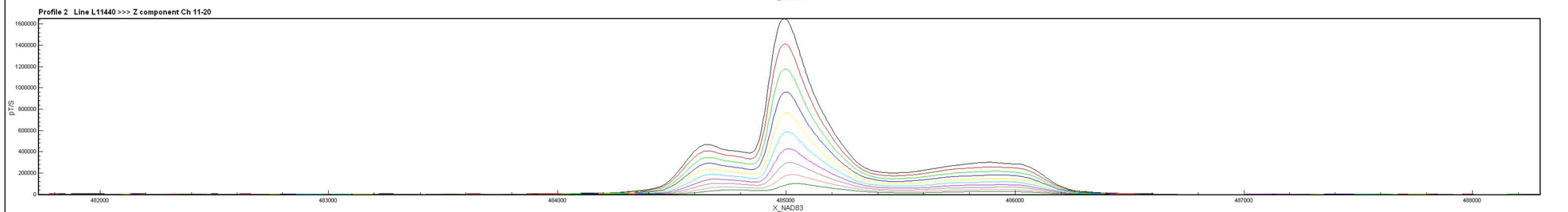
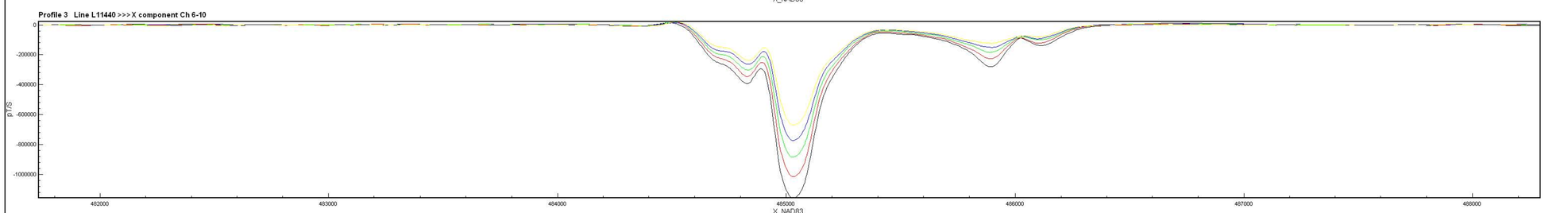
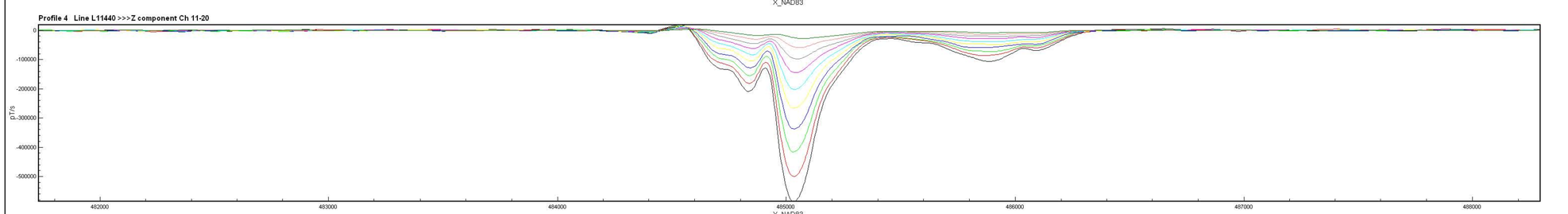
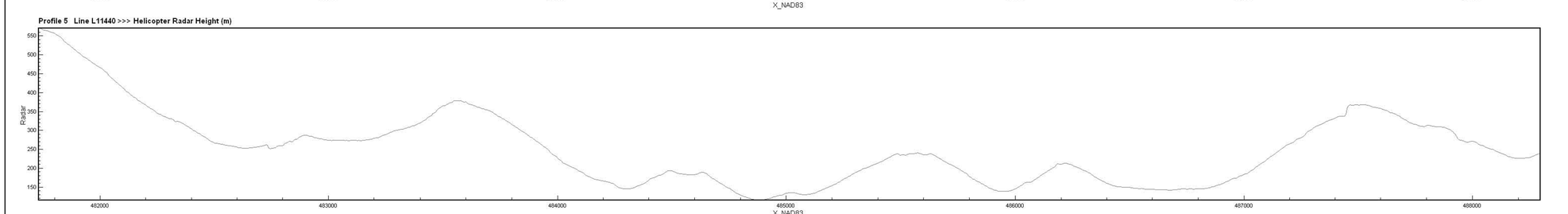
X & Z COMPONENT PROFILES
JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA











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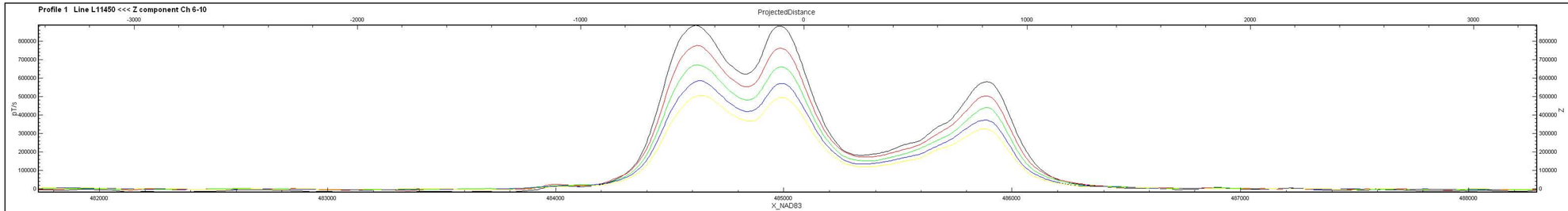

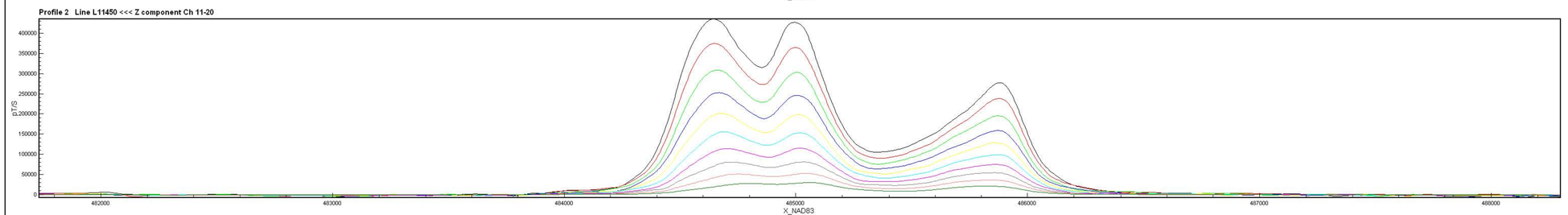

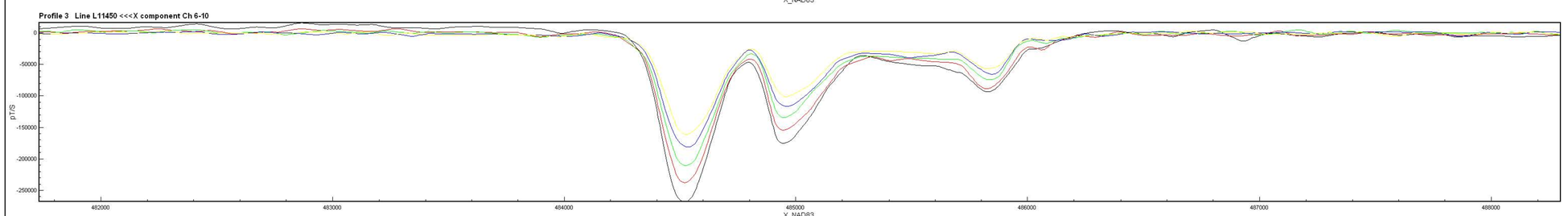

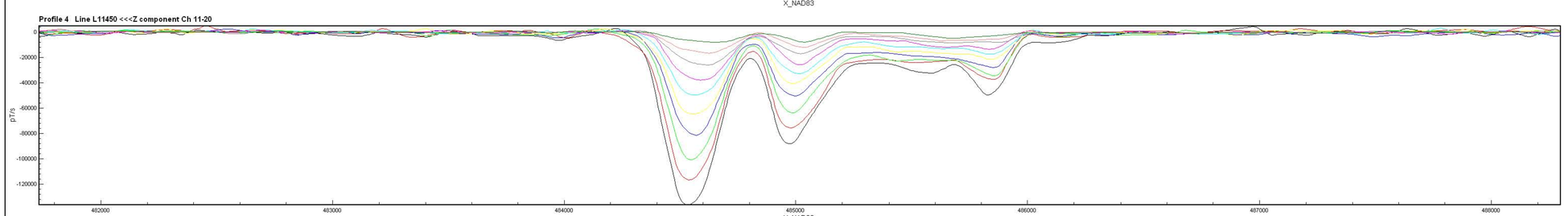

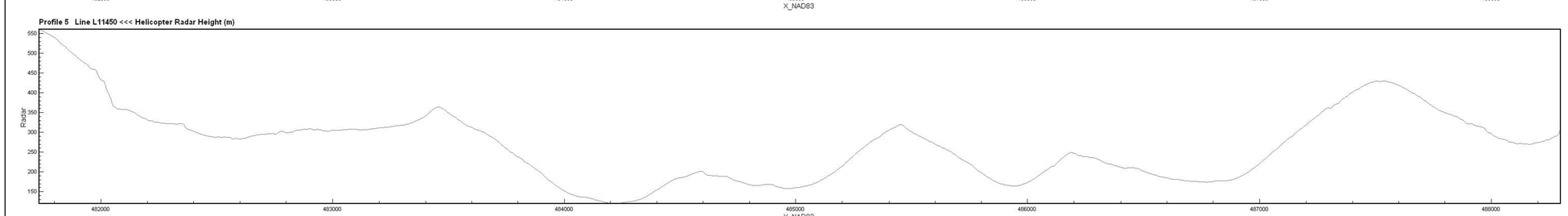

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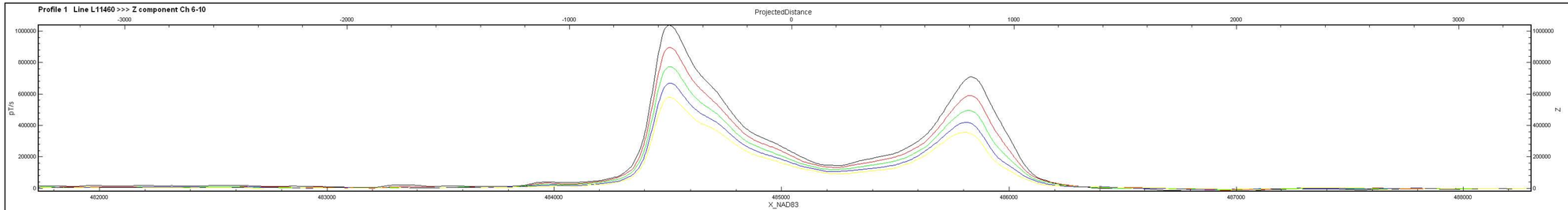

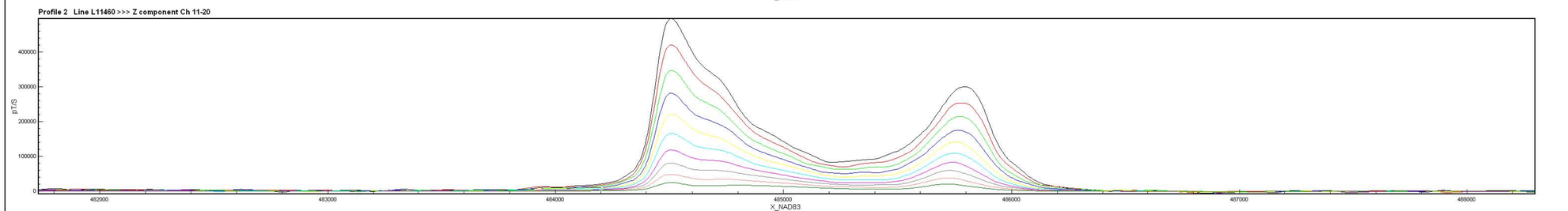

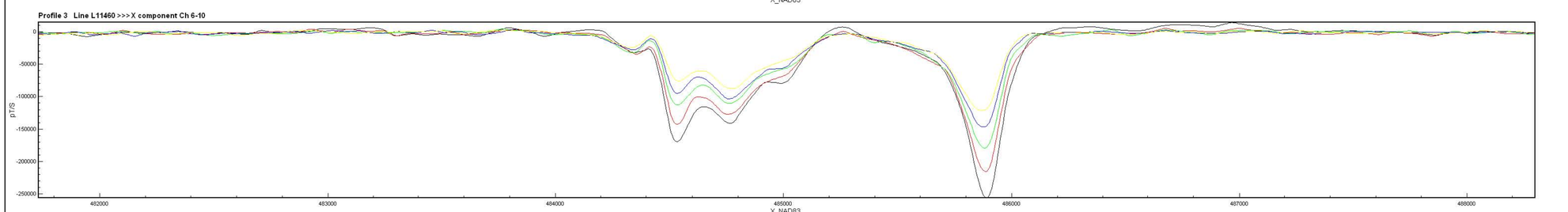

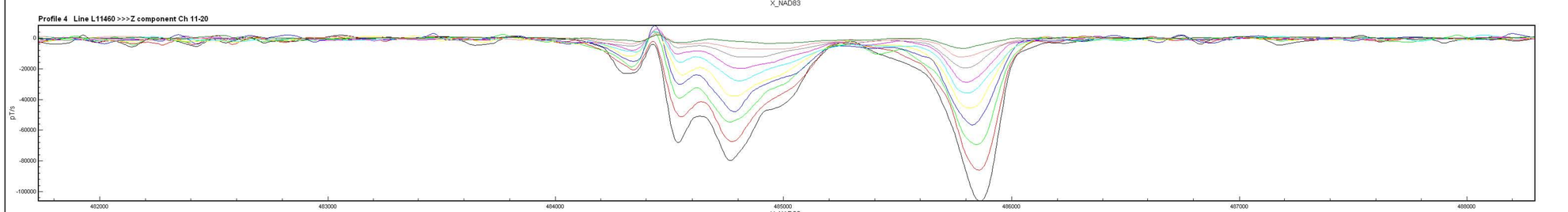

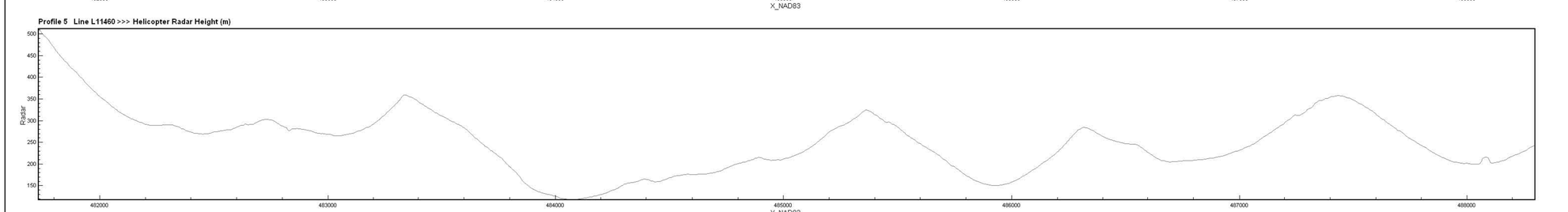

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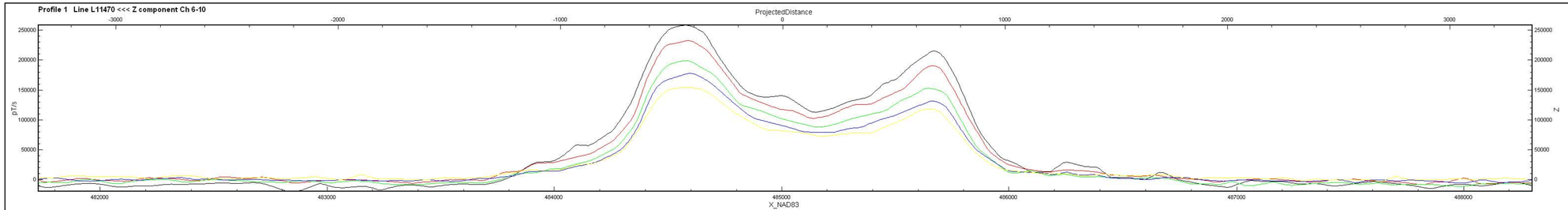

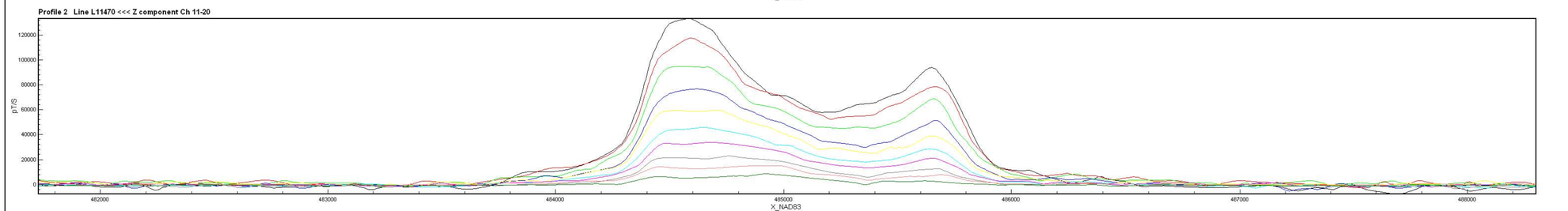

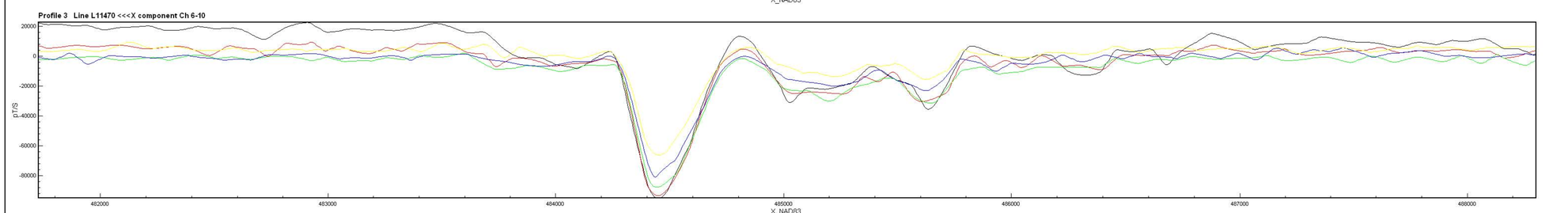

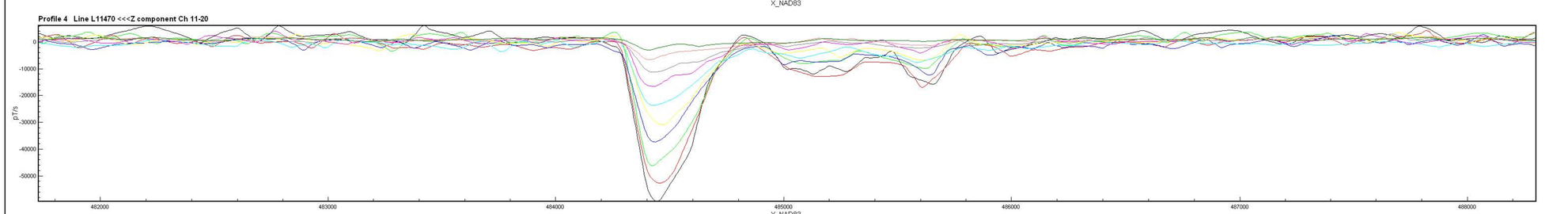

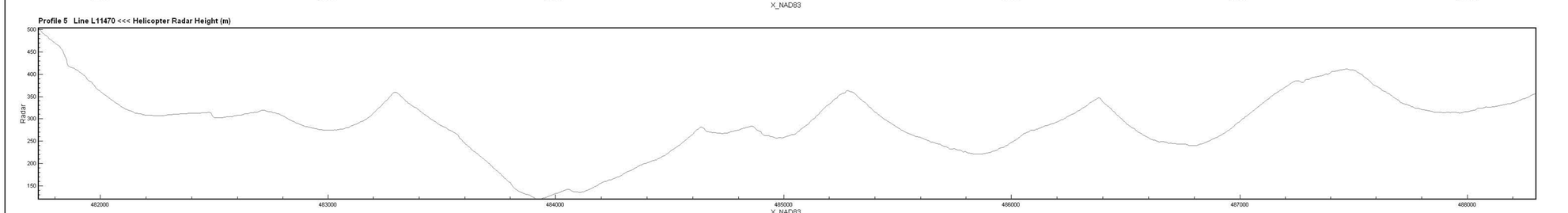

Scale 1 : 10000

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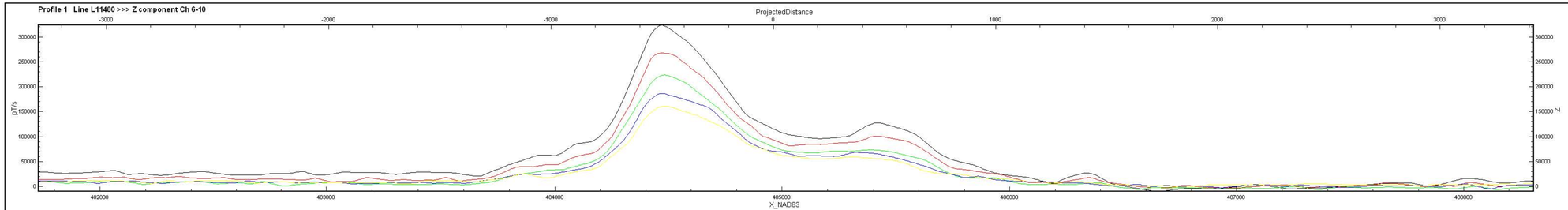
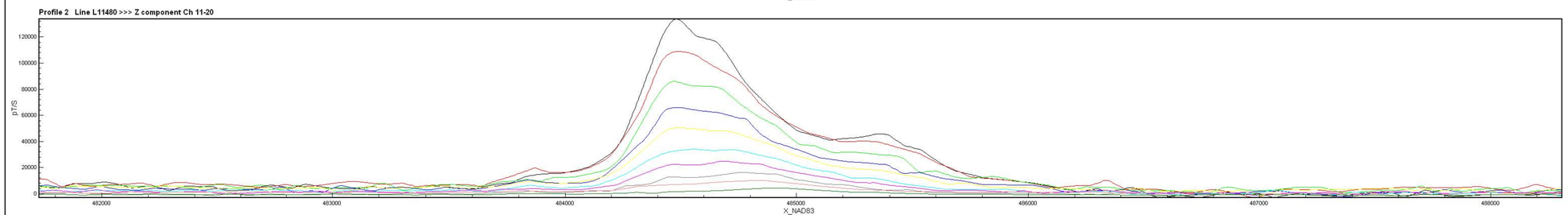
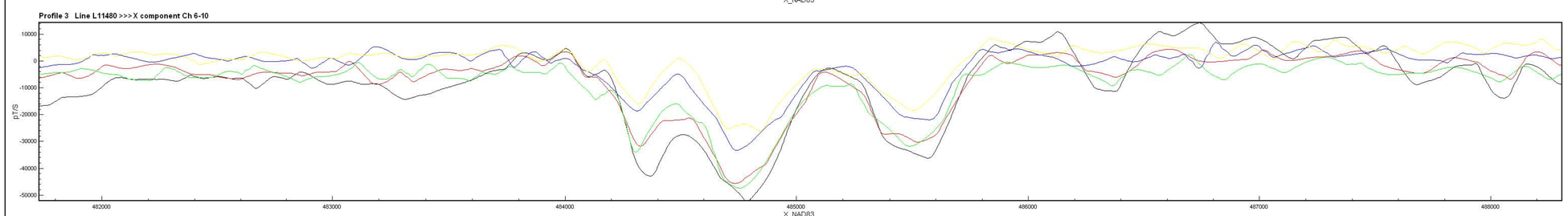
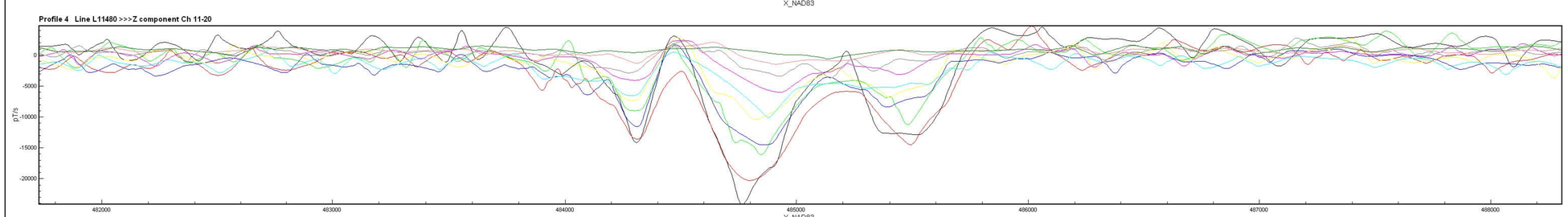
SULTAN MINERALS INC.
HeliGEOTEM ELECTROMAGNETIC SURVEY
X & Z COMPONENT PROFILES

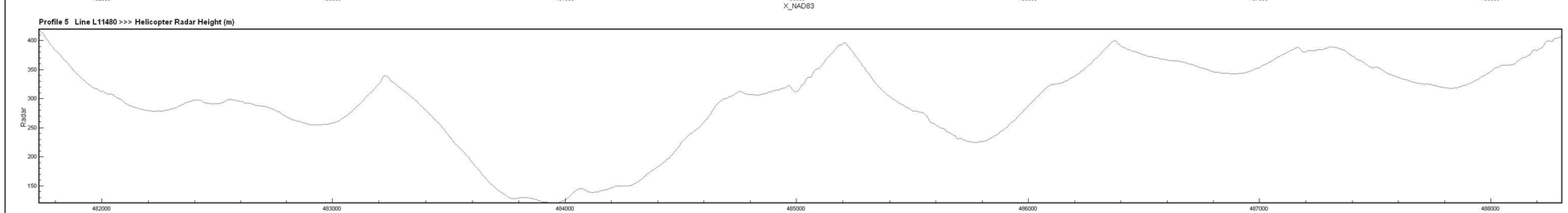
JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA











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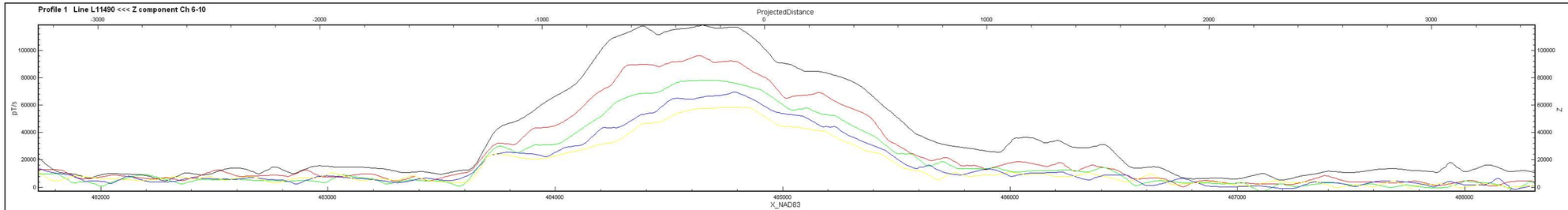

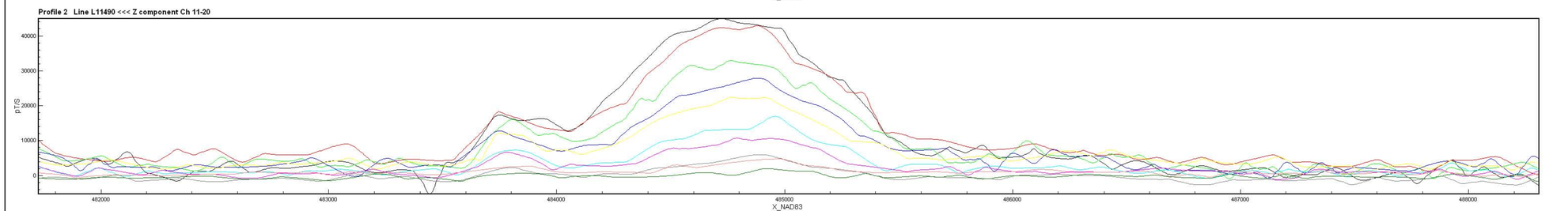

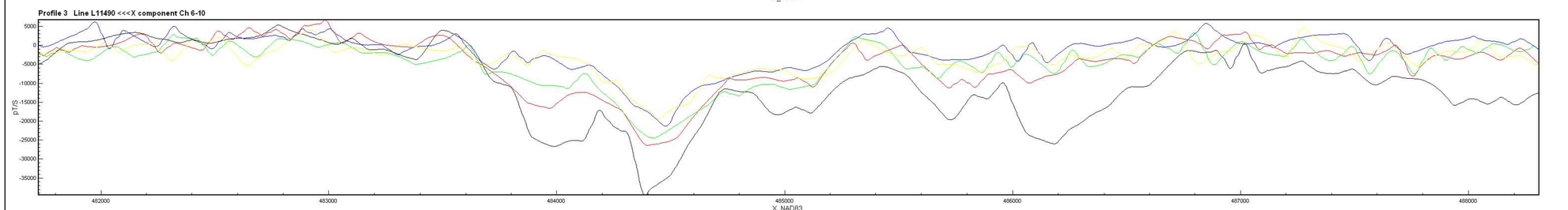

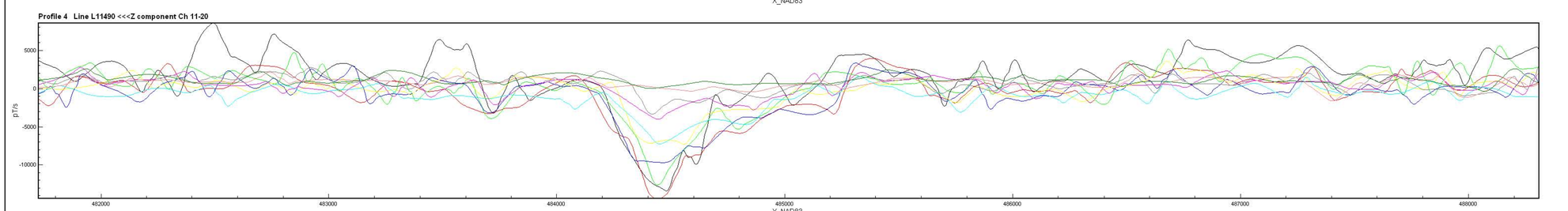

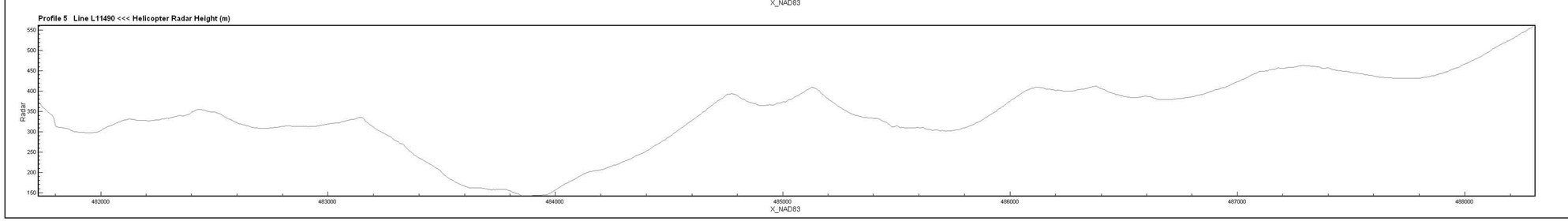

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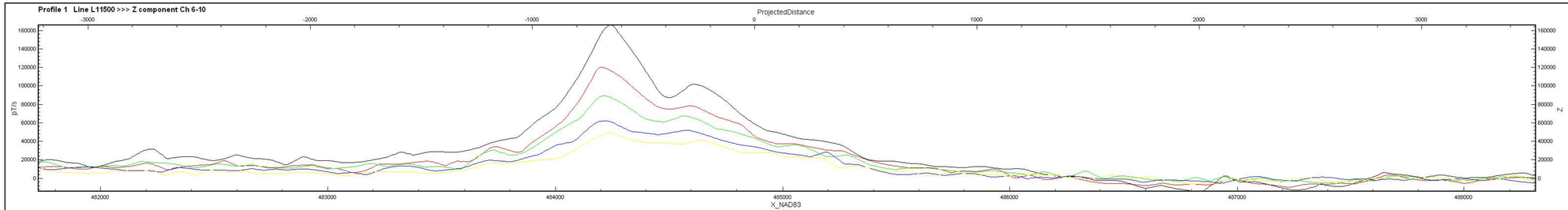

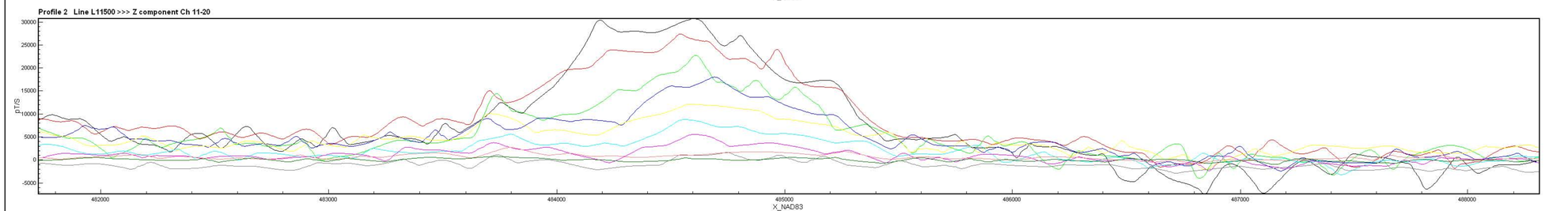

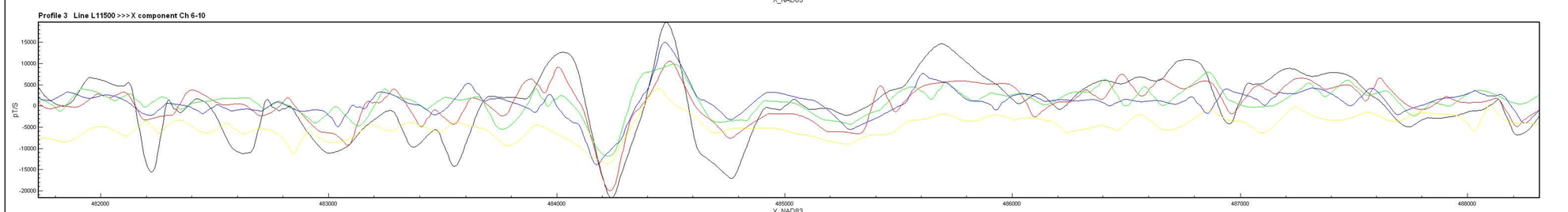

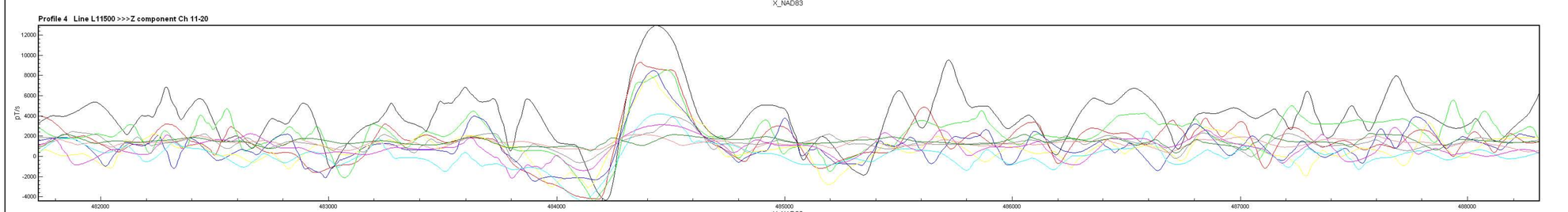

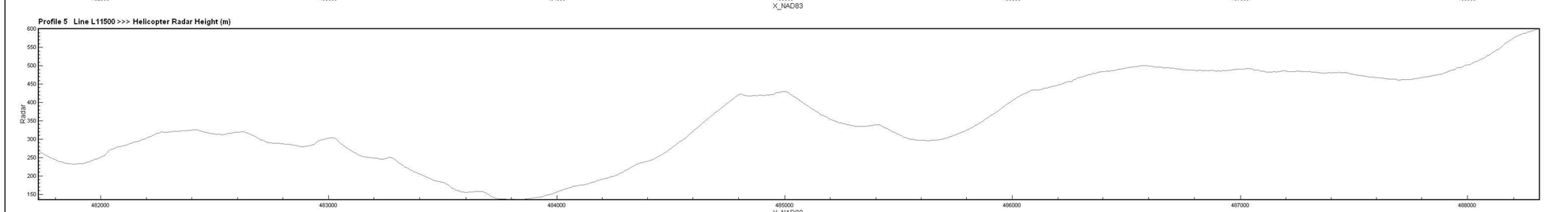

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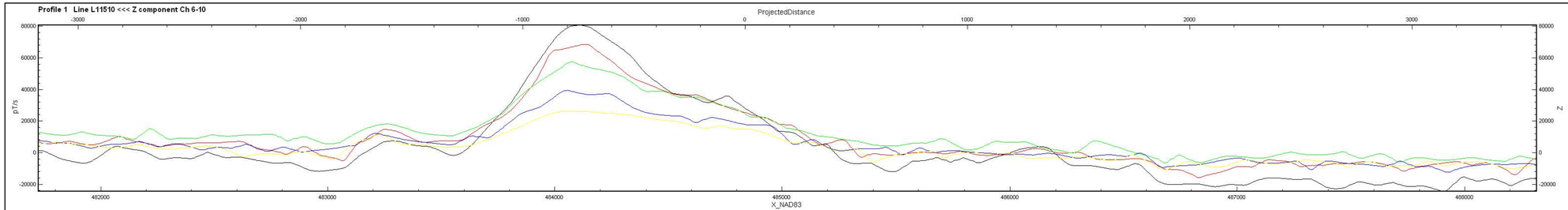

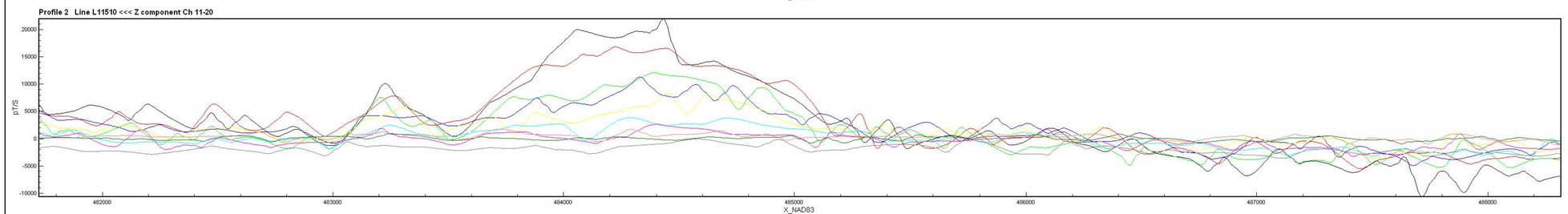

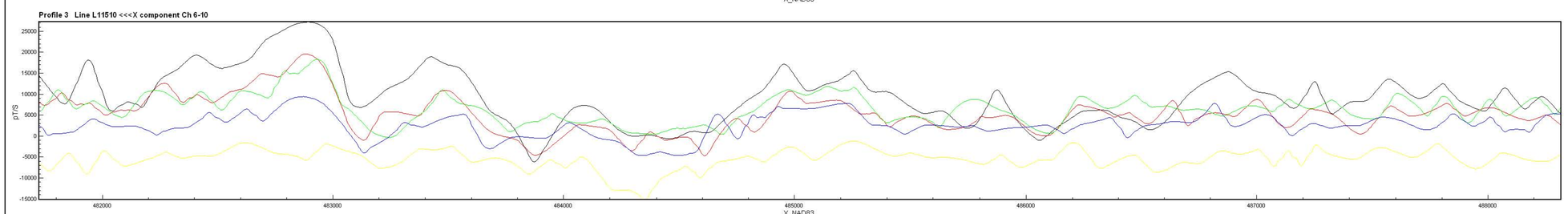

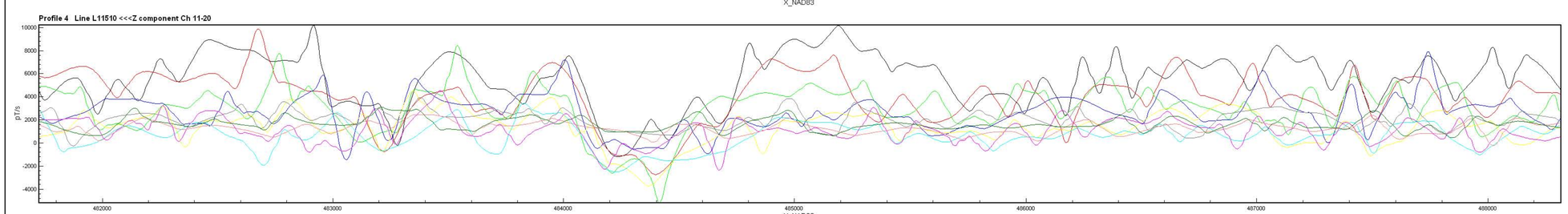

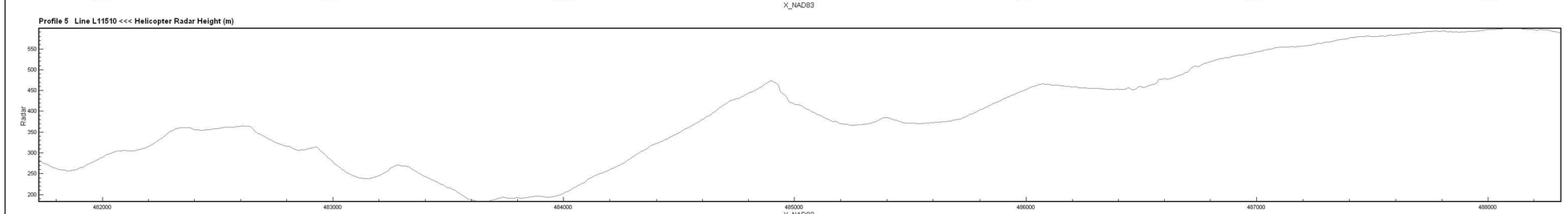

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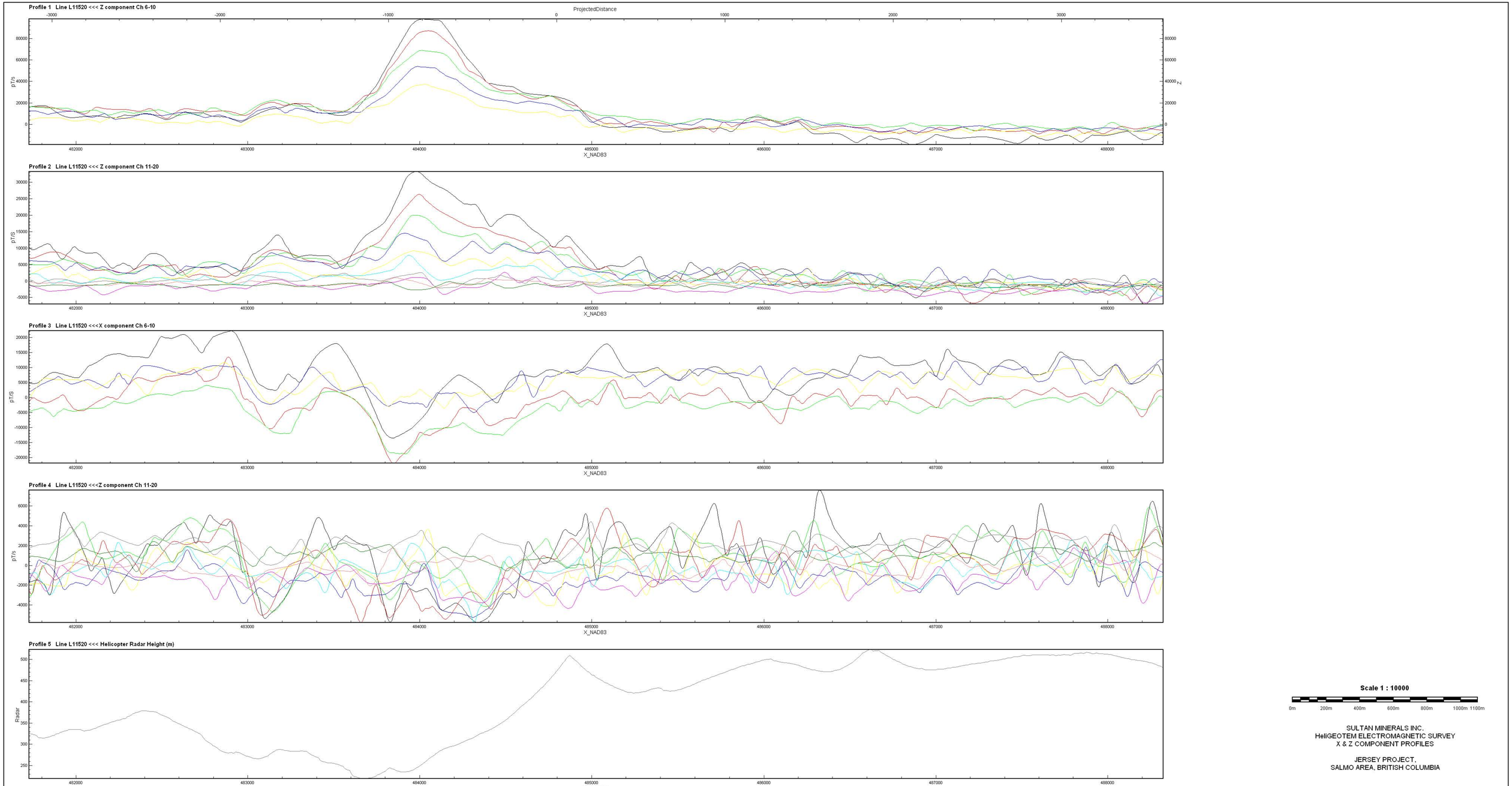

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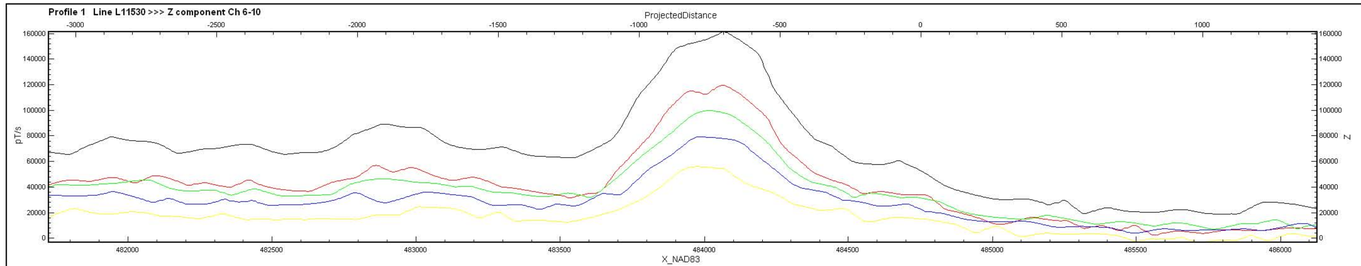

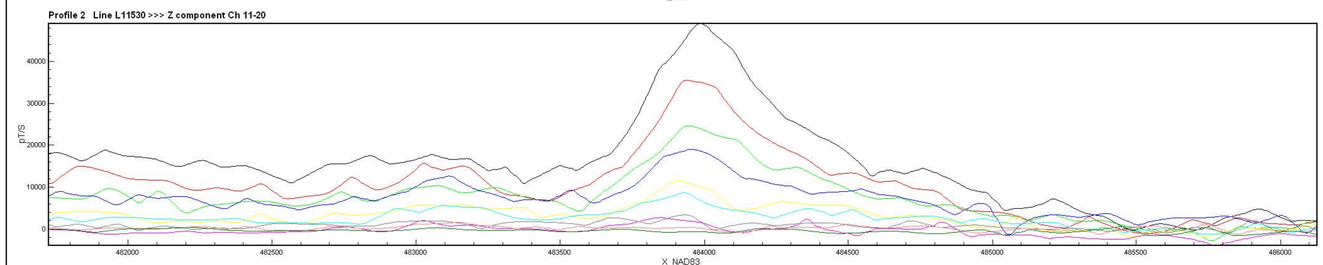

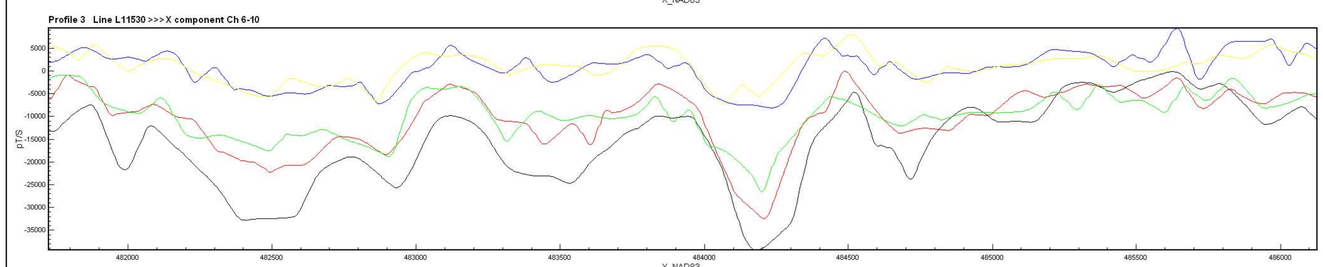

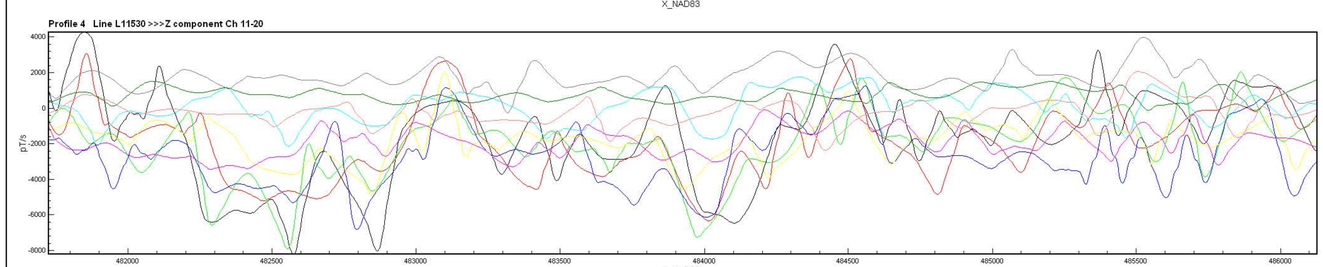

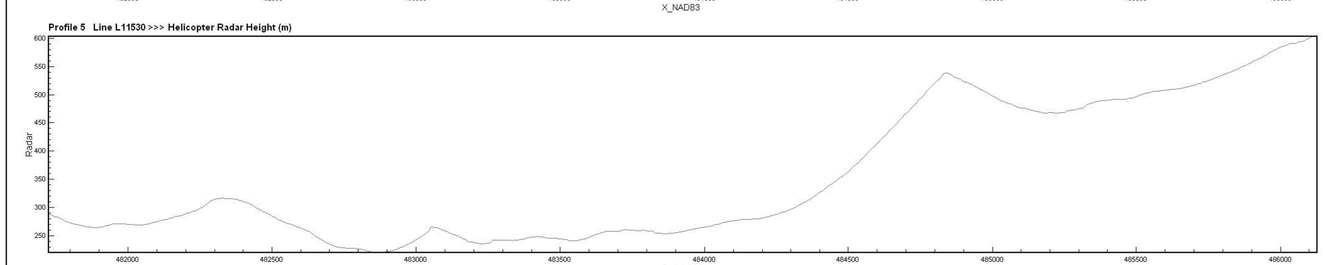

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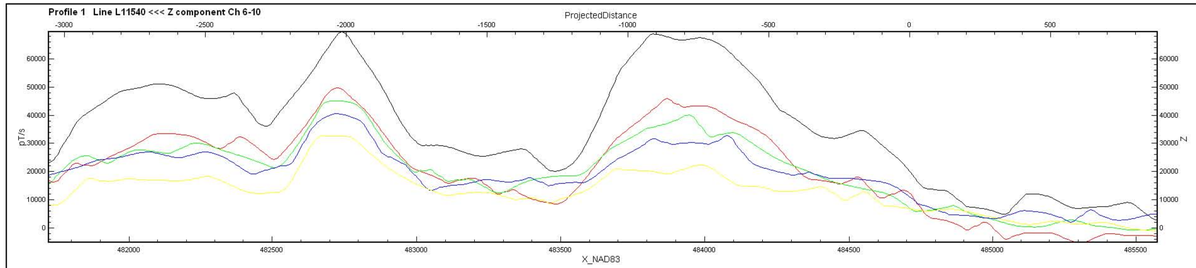
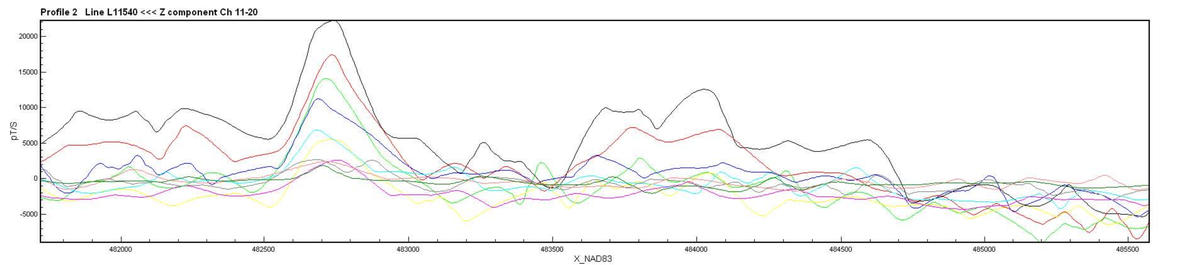
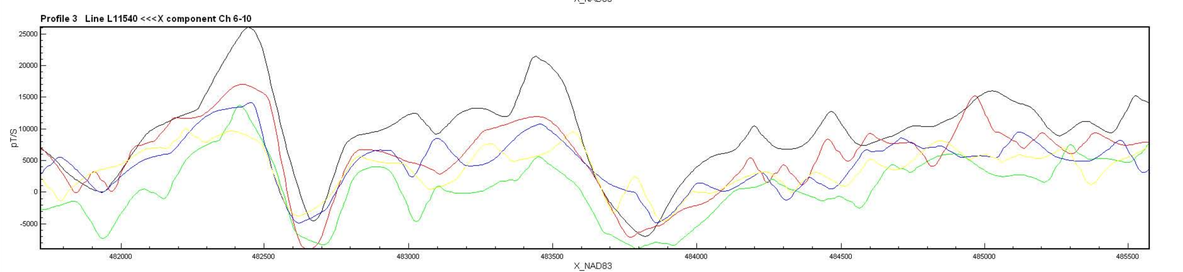
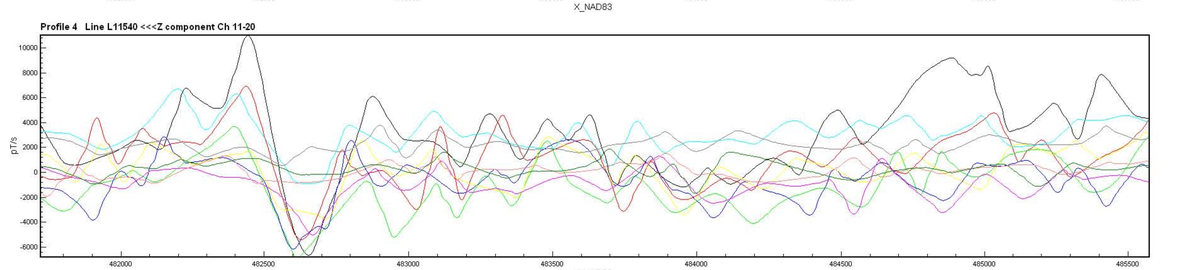
X & Z COMPONENT PROFILES

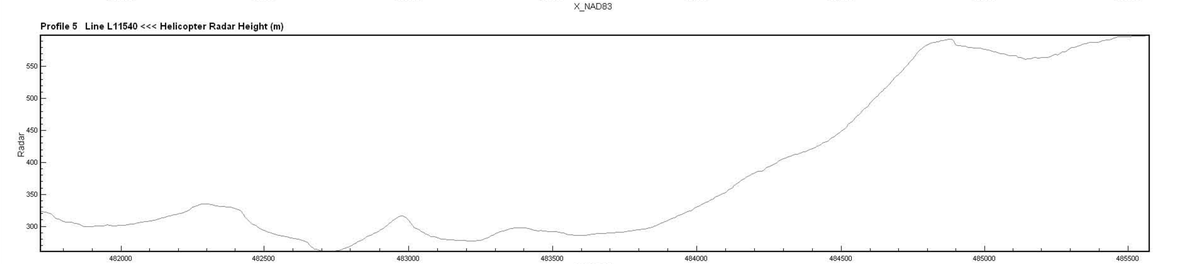
JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA











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X & Z COMPONENT PROFILES

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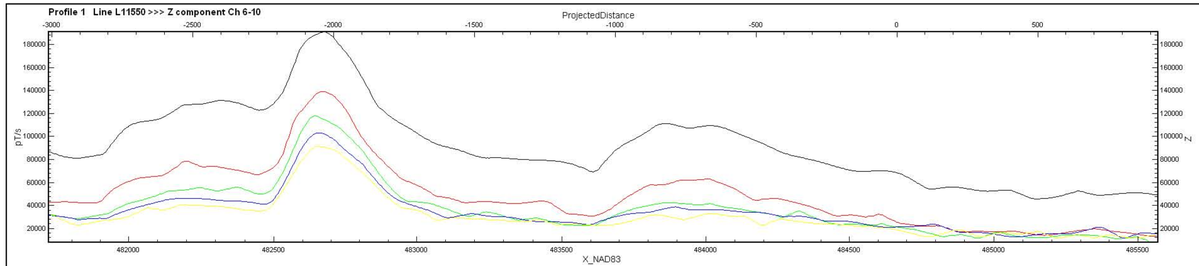
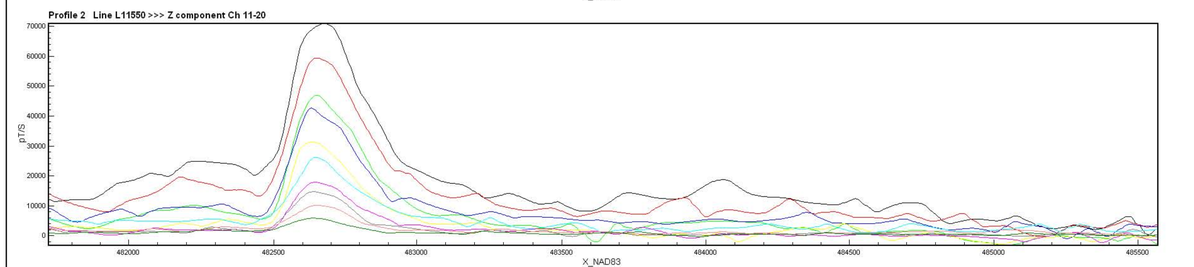
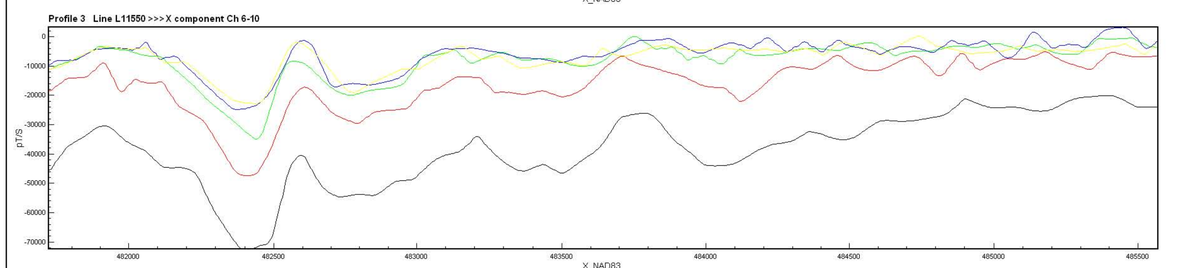
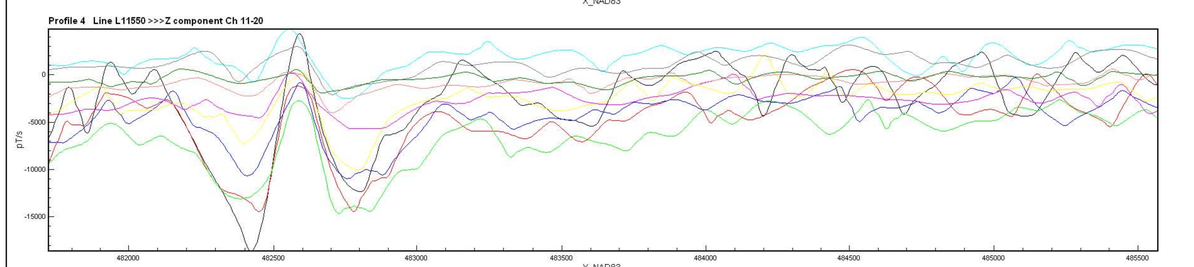
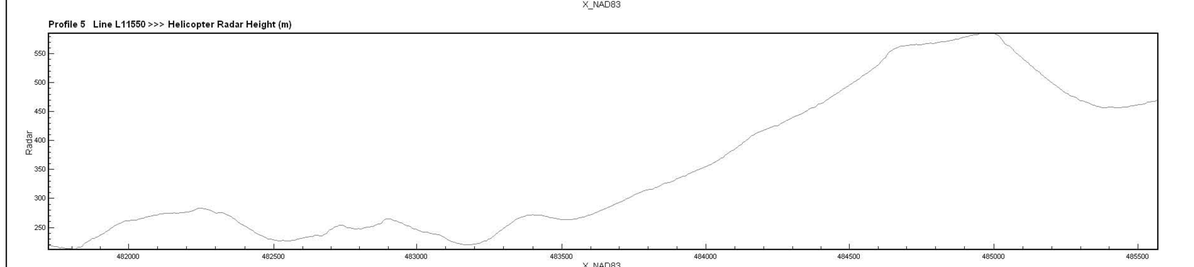
SALMO AREA, BRITISH COLUMBIA











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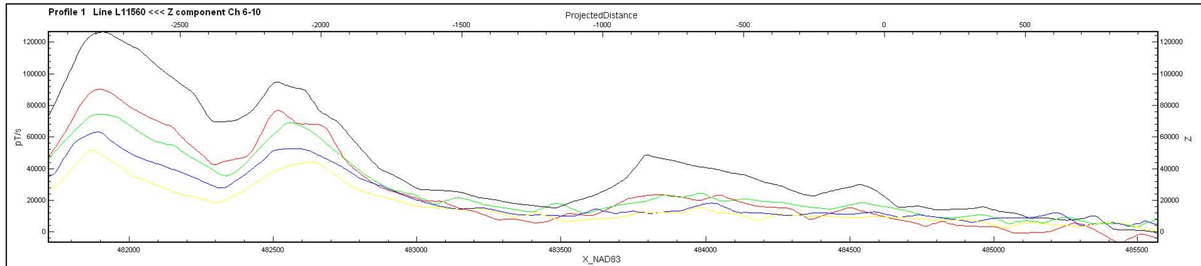

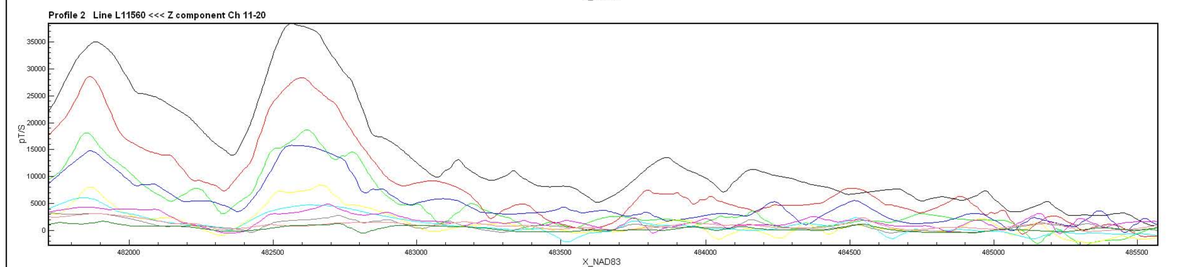

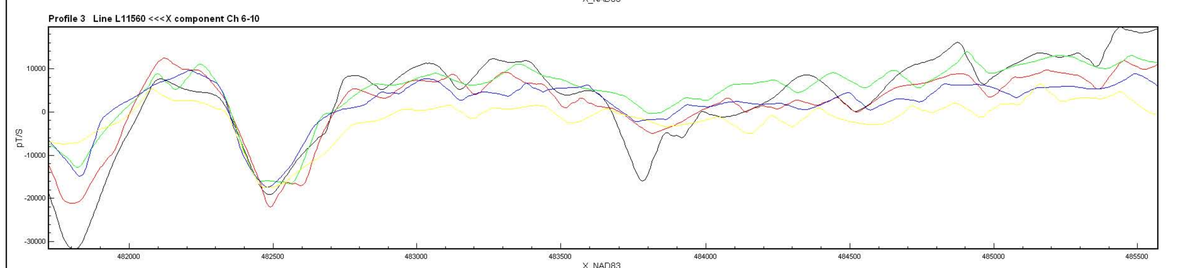

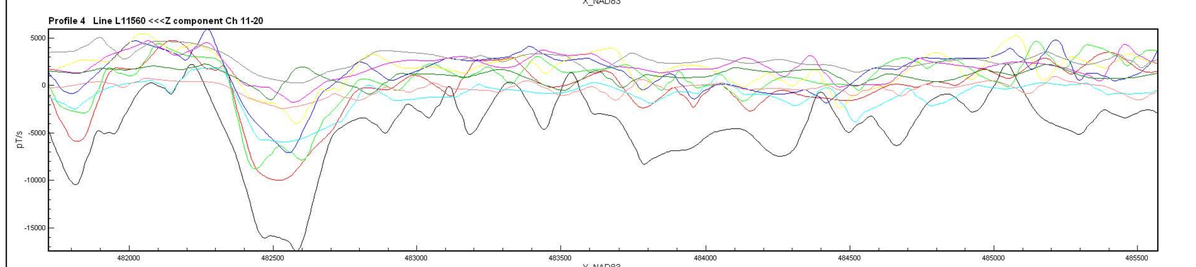

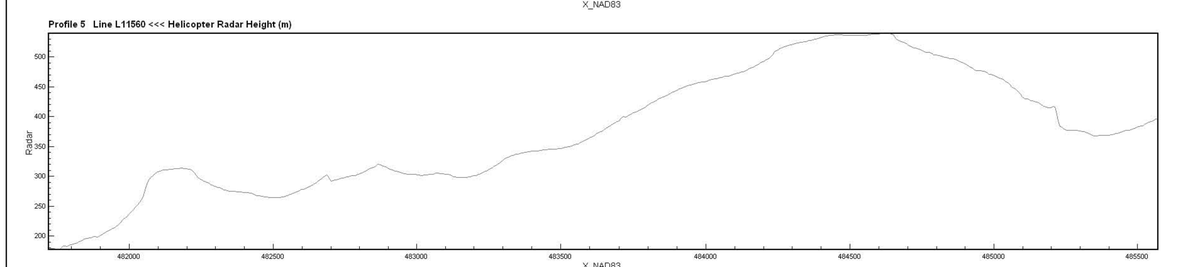

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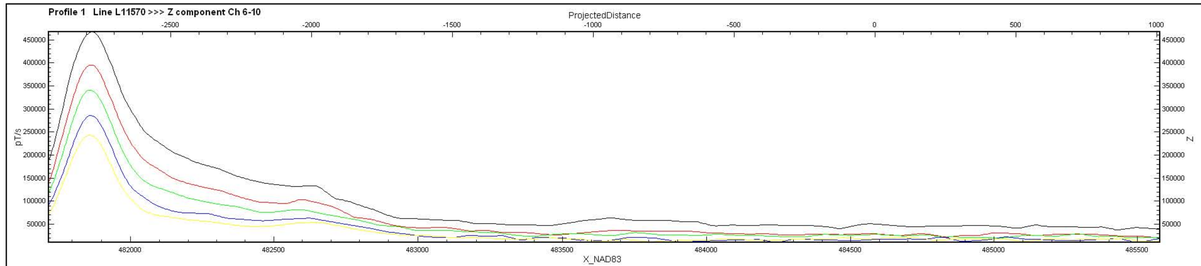

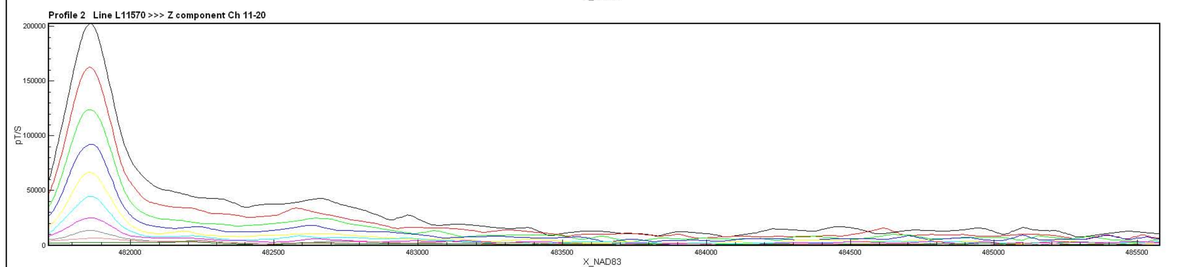

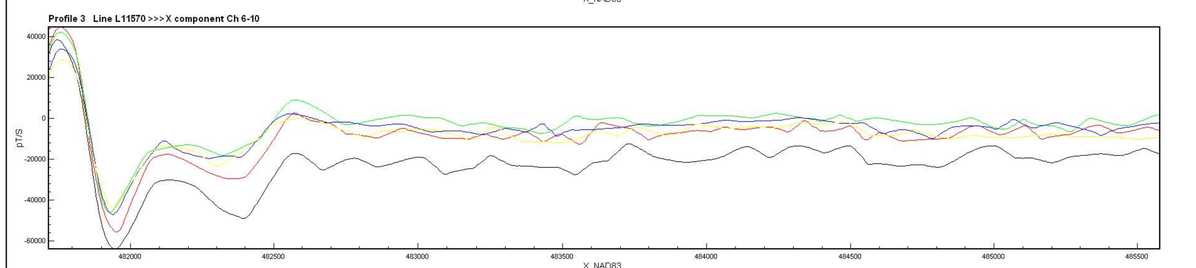

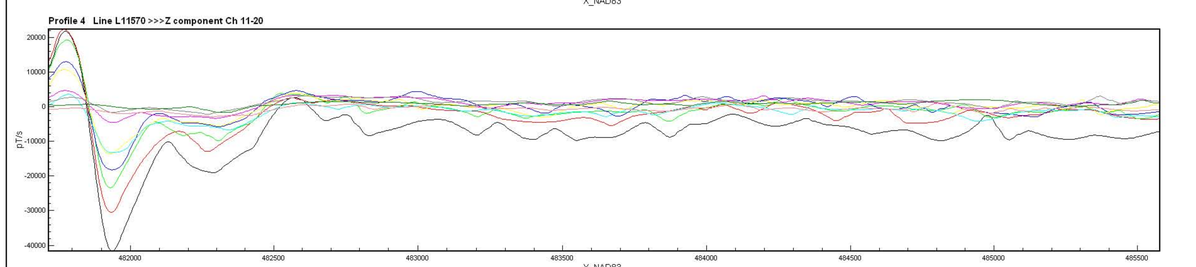

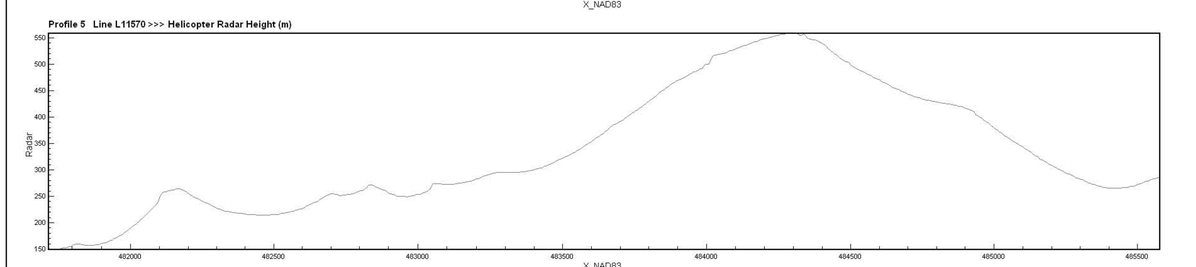

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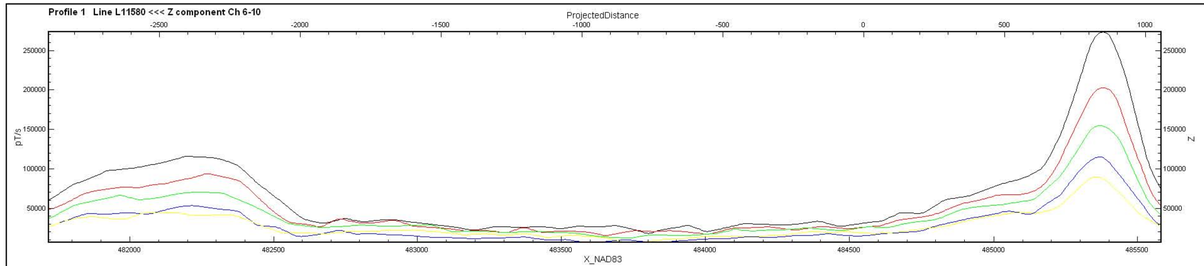

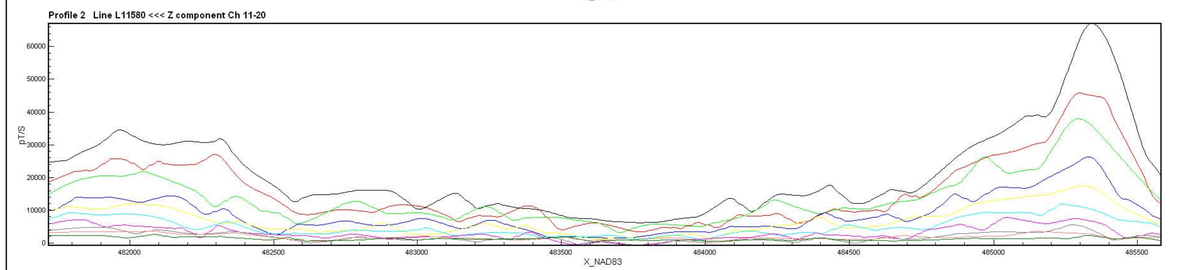

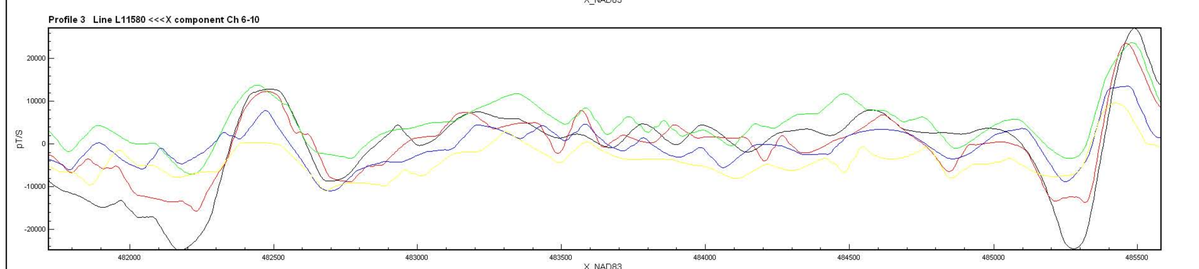

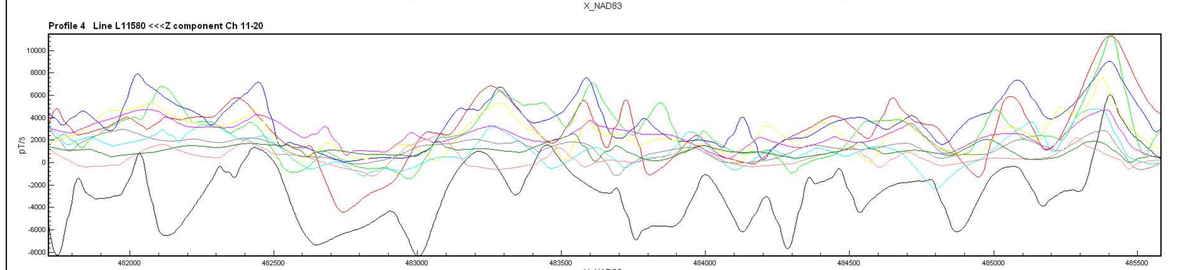

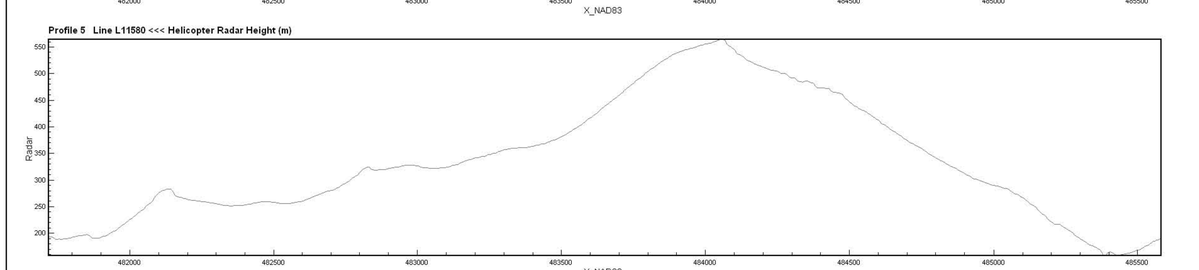

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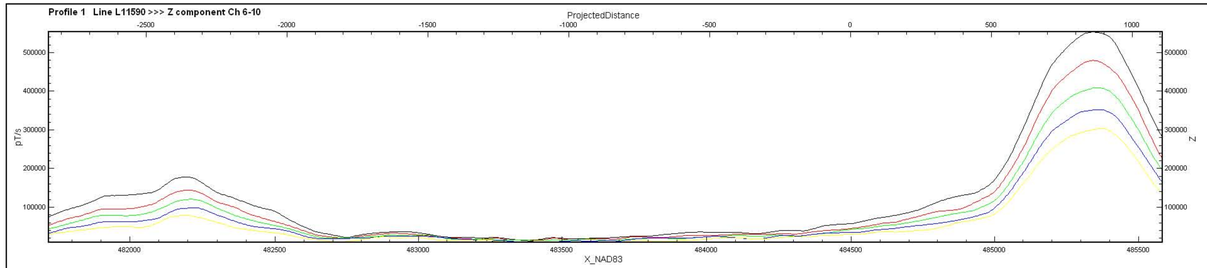
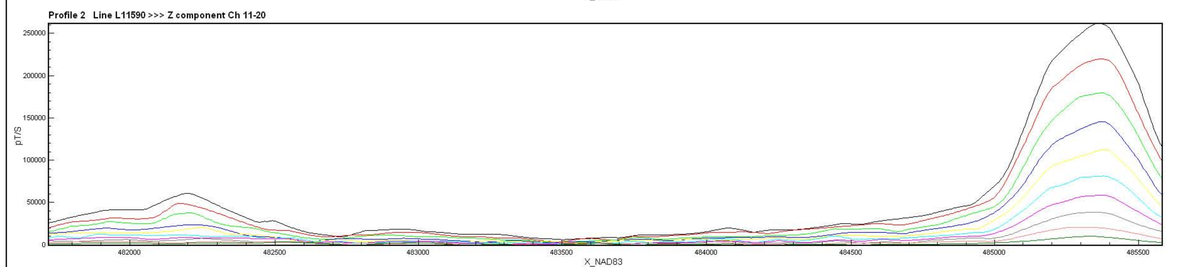
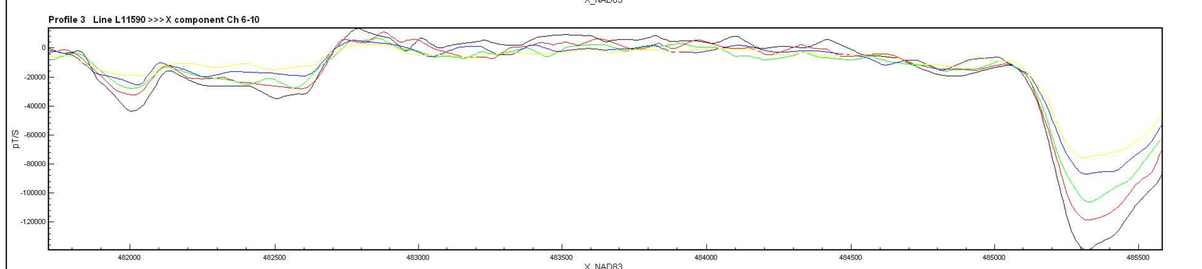
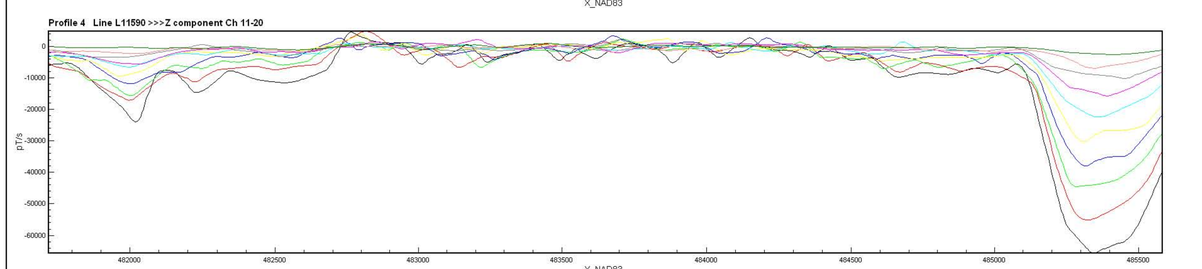
HeliGEOTEM ELECTROMAGNETIC SURVEY
X & Z COMPONENT PROFILES

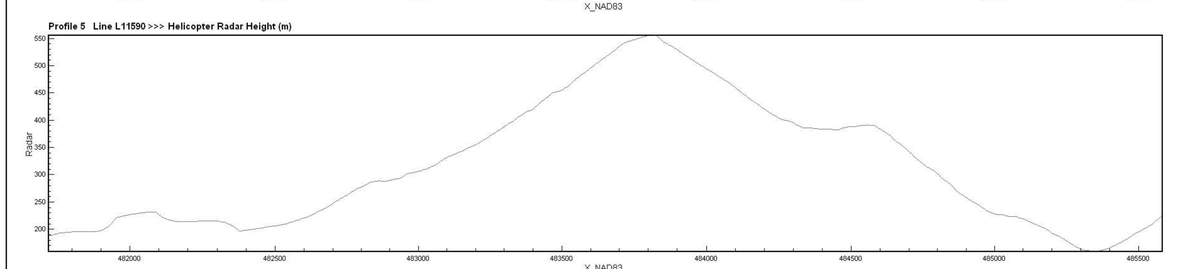
JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA











Scale 1 : 10000

0m 200m 400m 600m 800m 1000m 1100m

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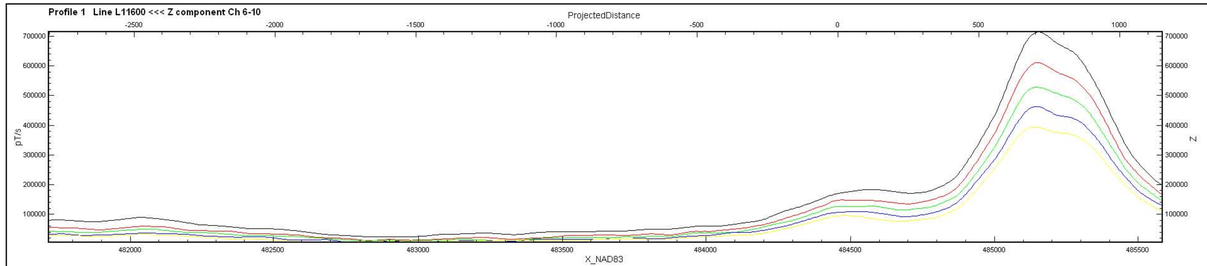

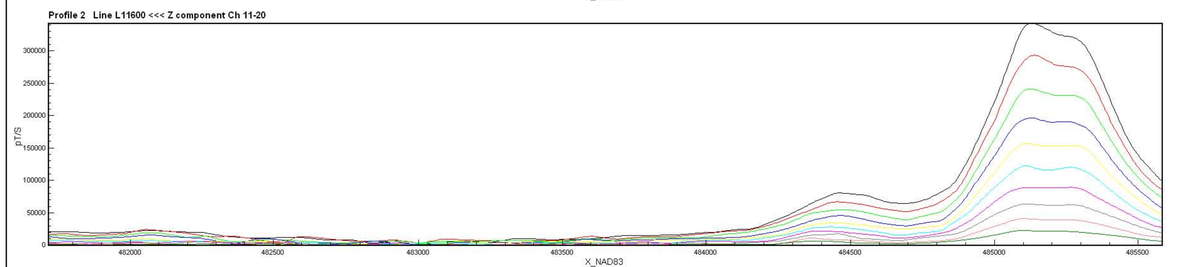

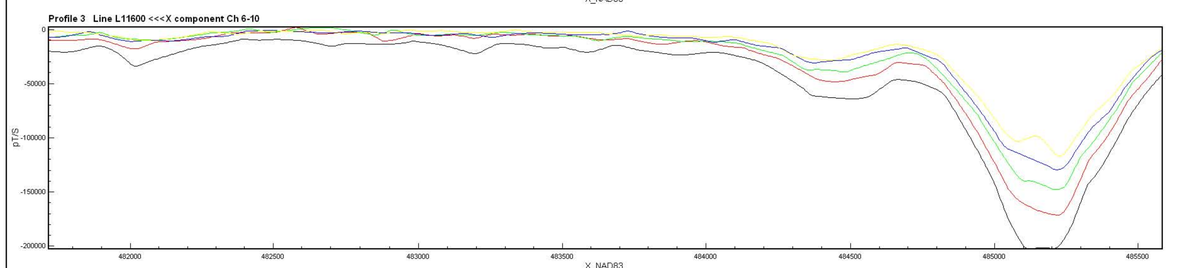

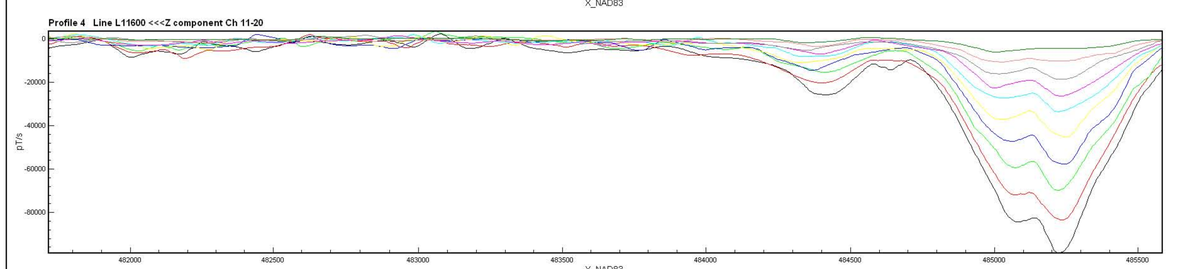

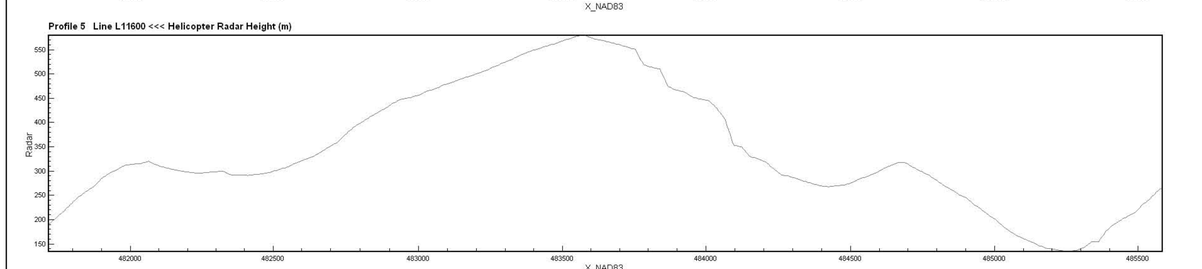

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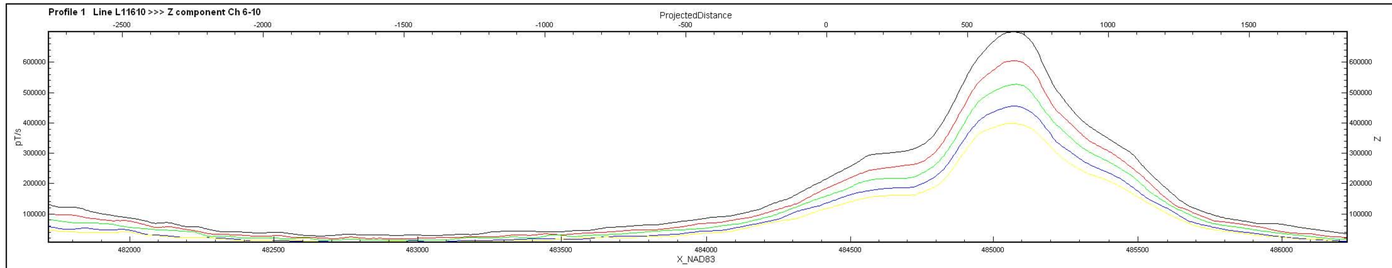

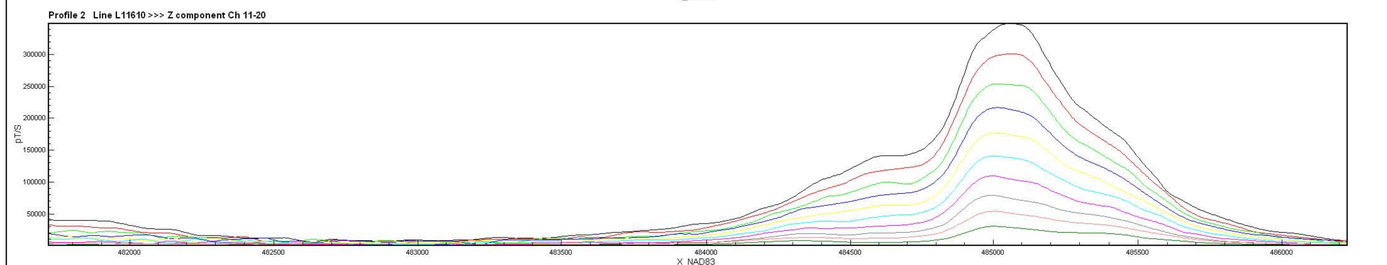

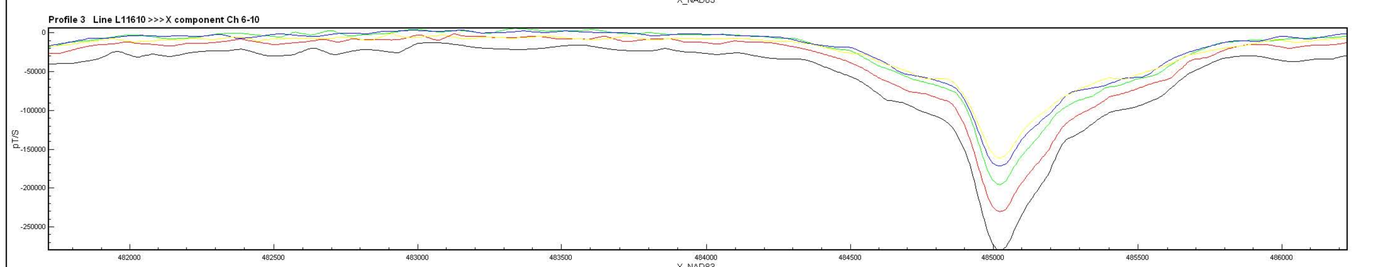

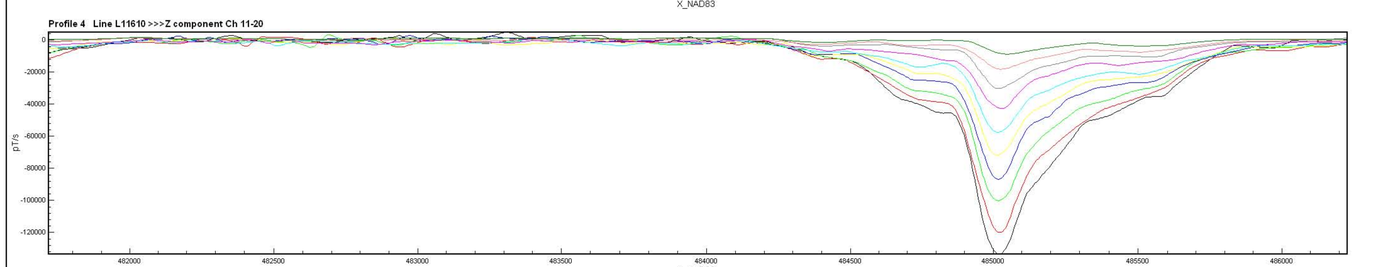

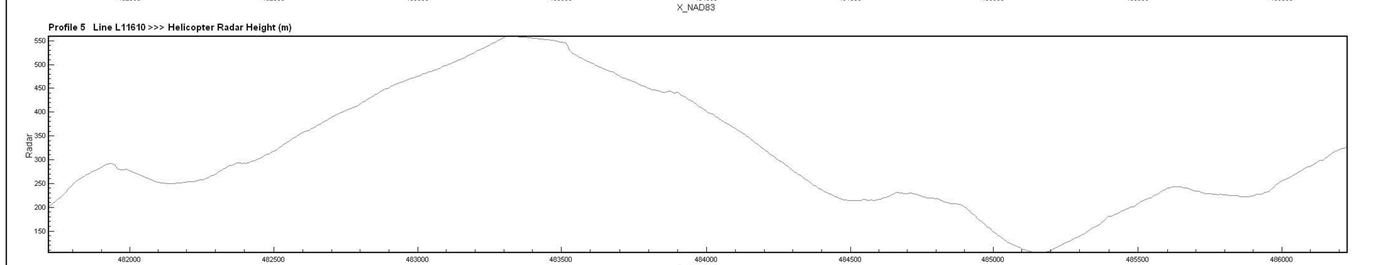

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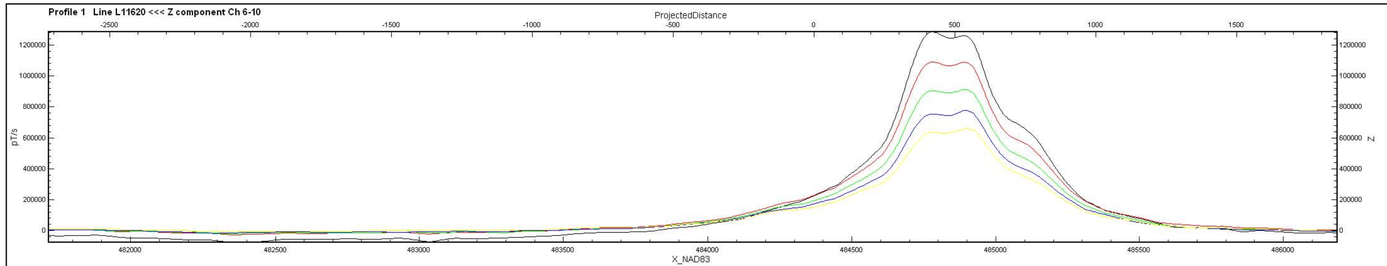

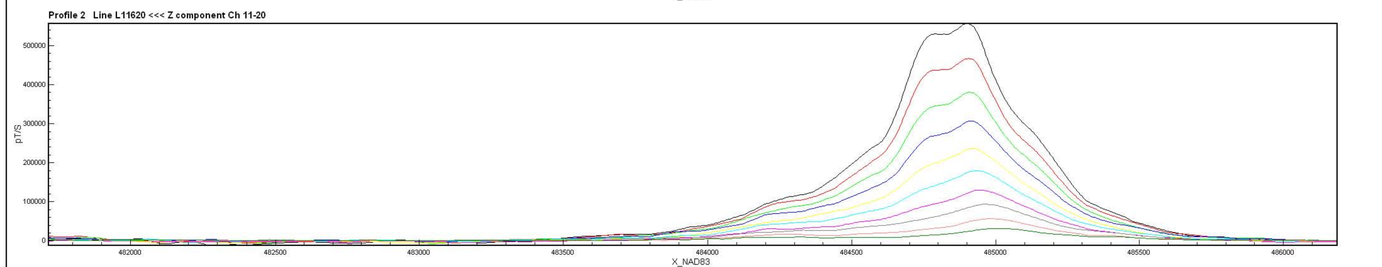

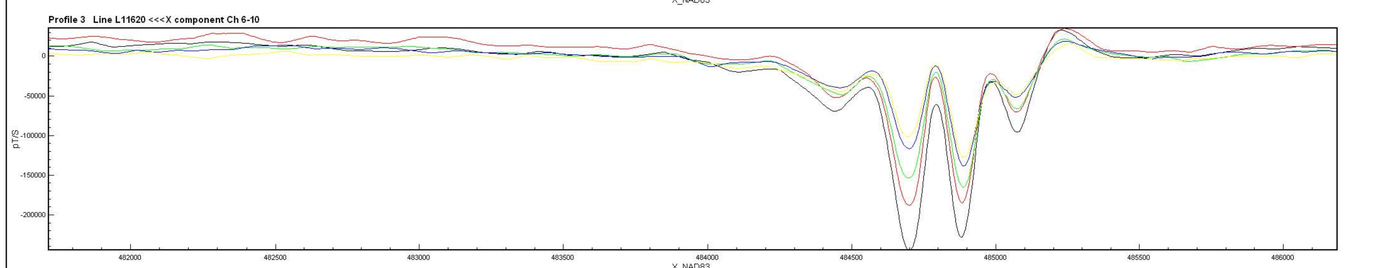

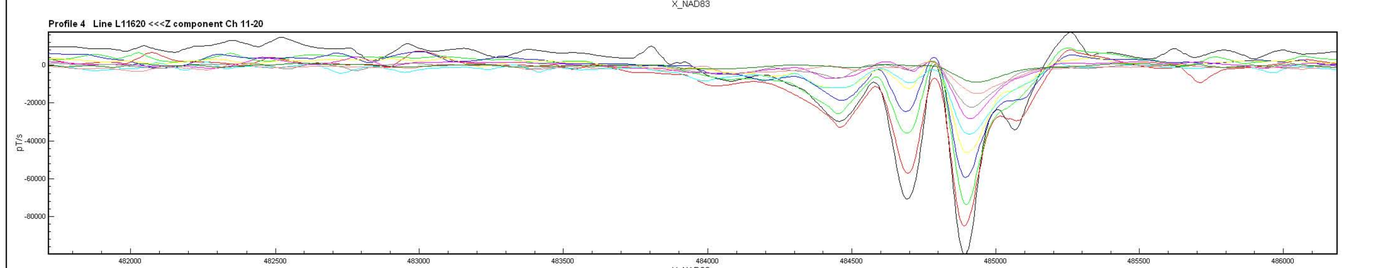

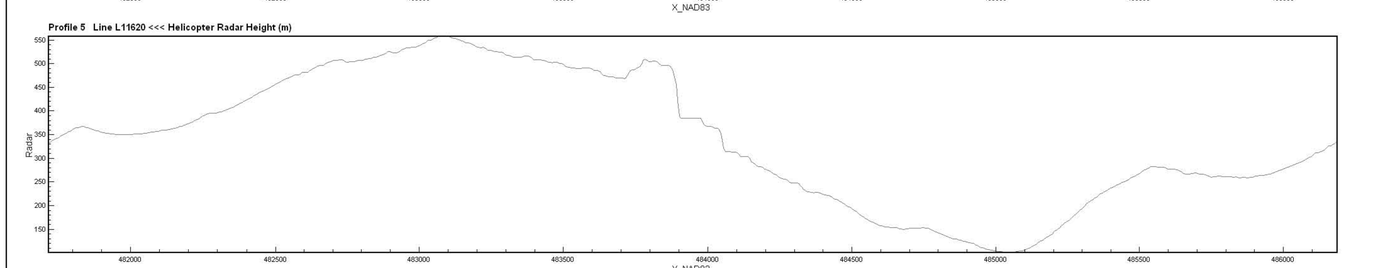

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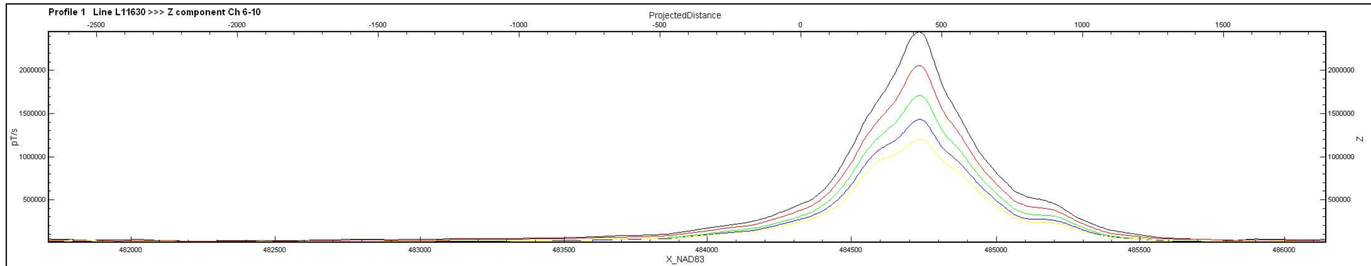

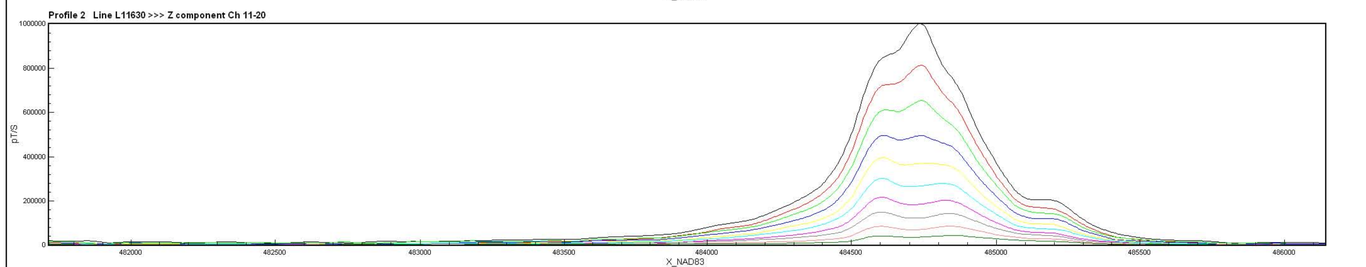

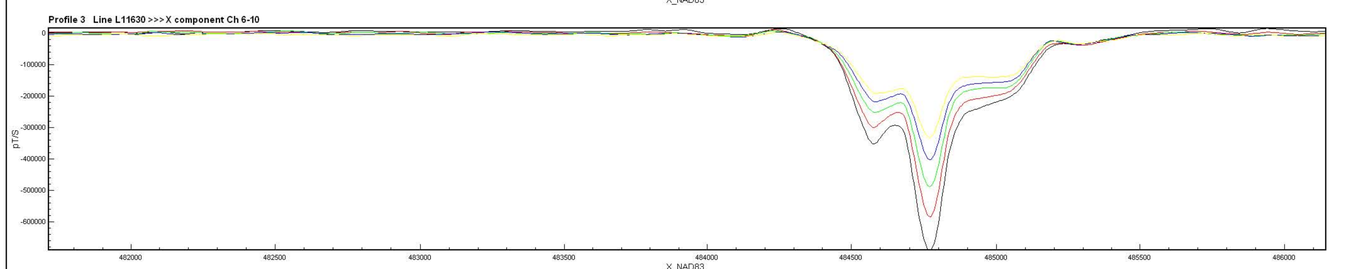

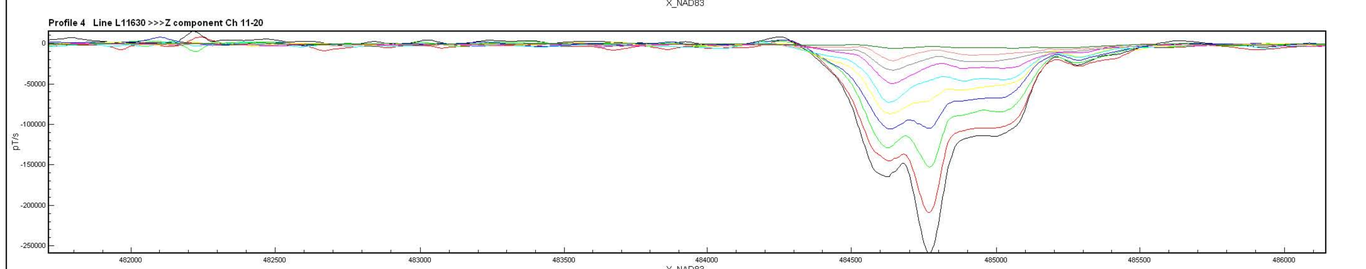

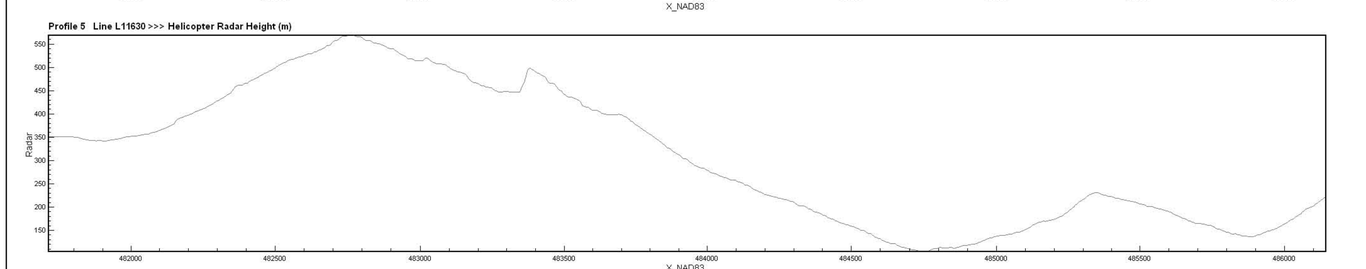

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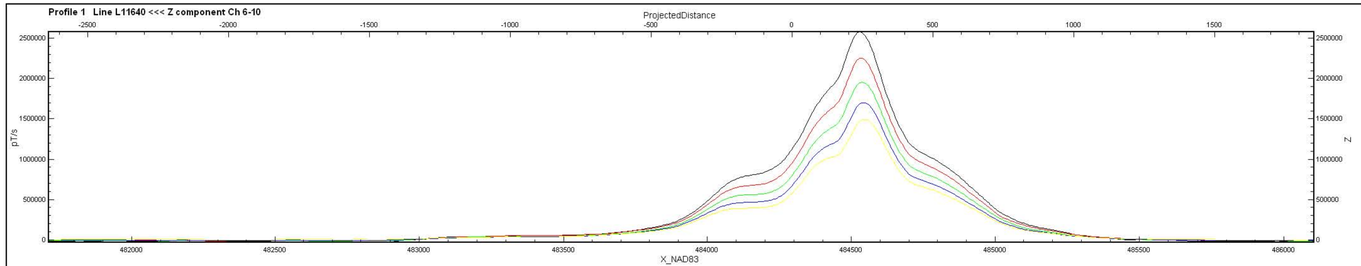

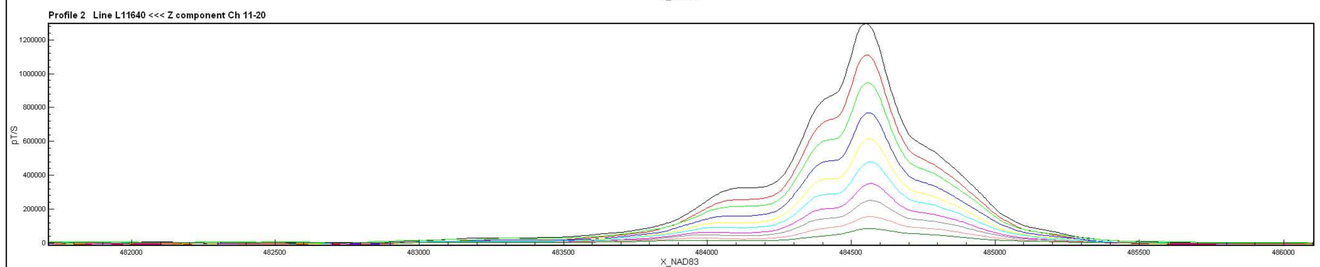

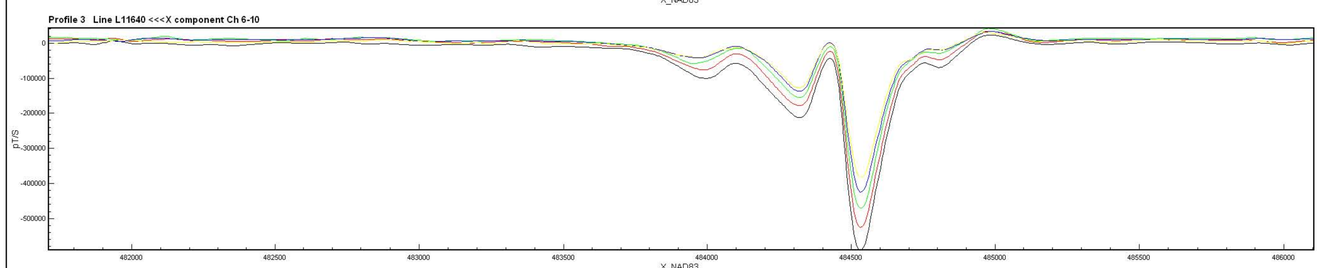

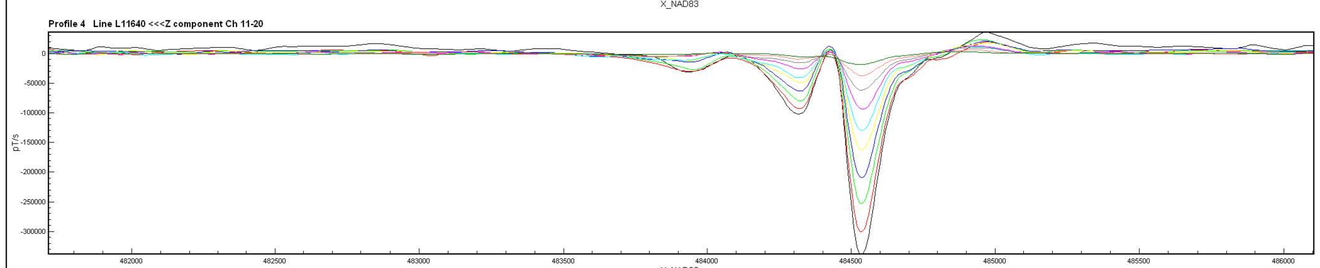

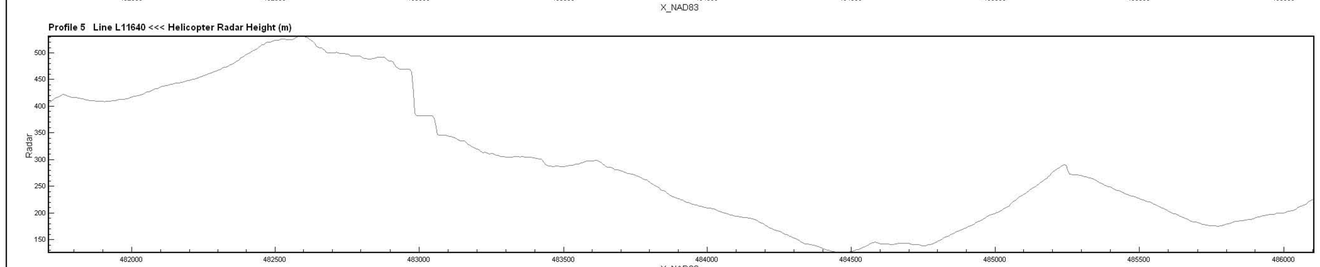

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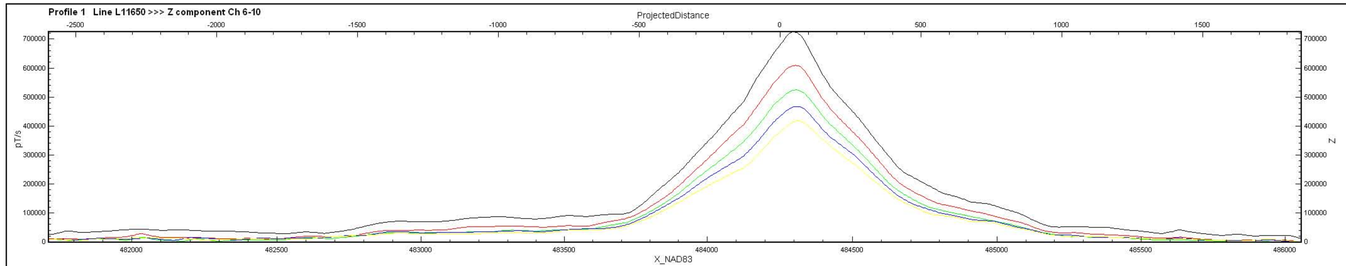

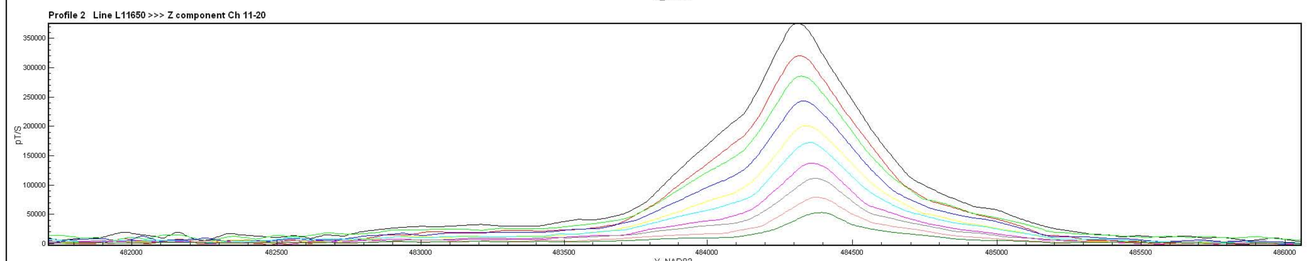

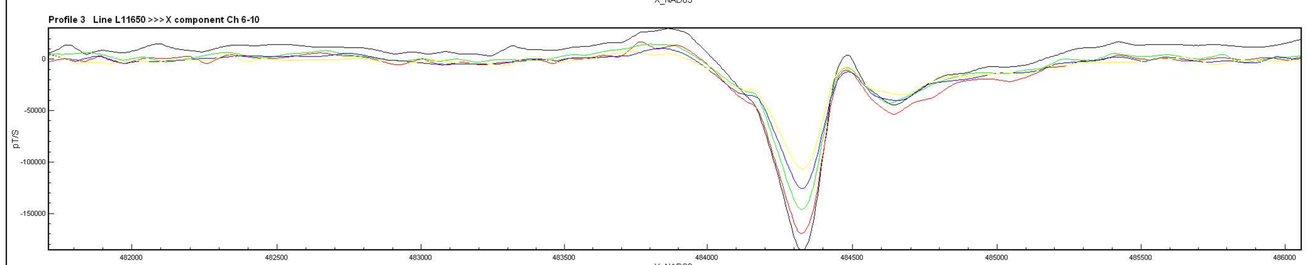

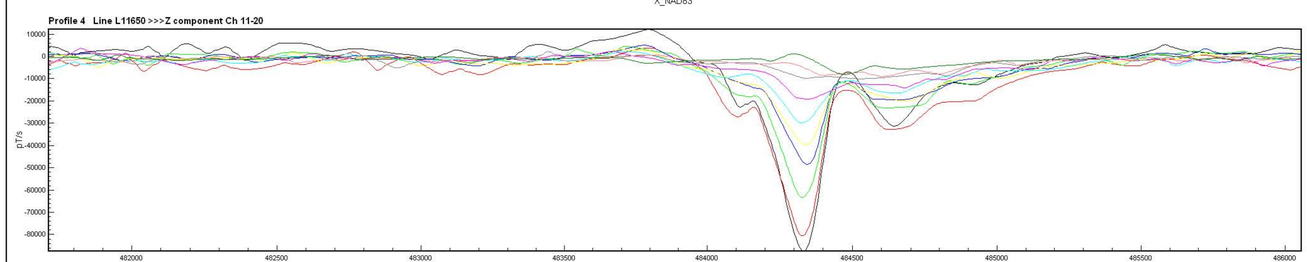

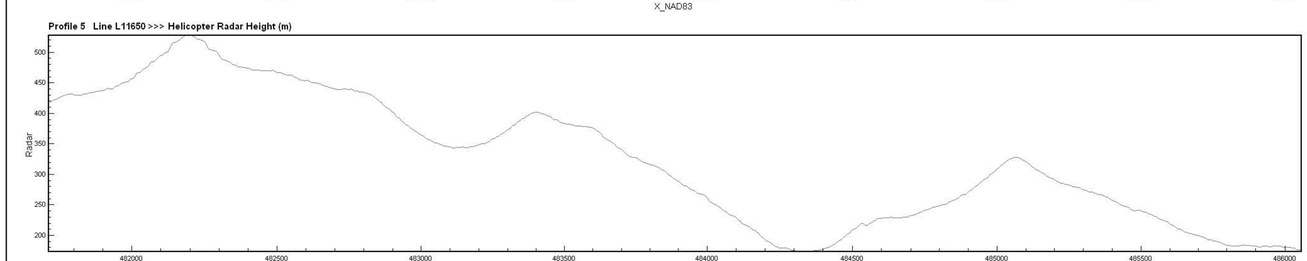

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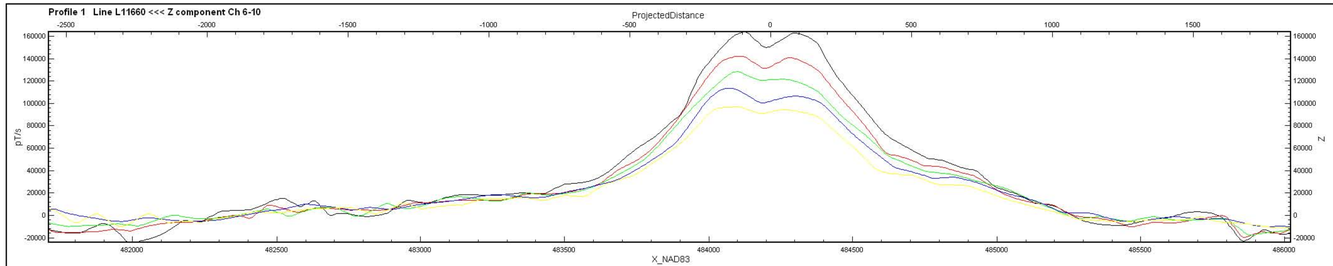

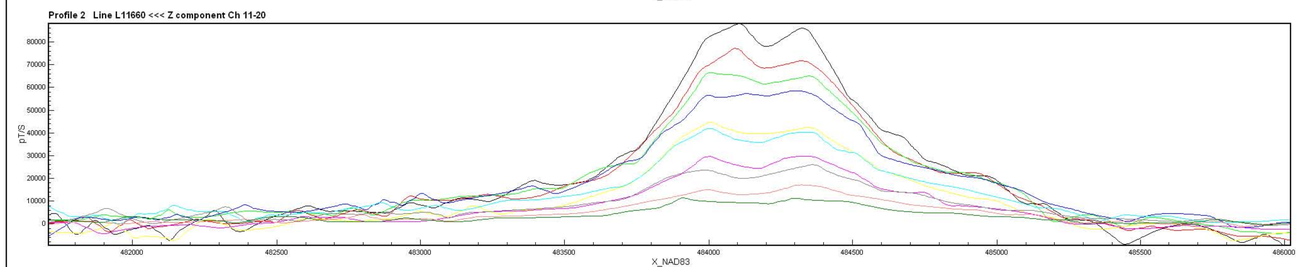

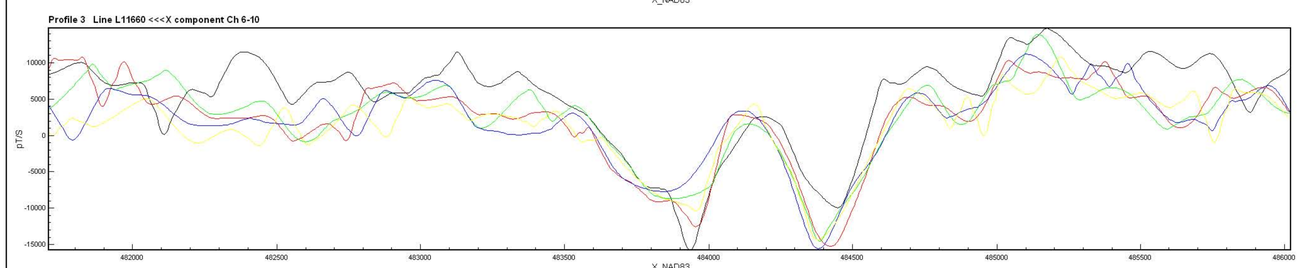

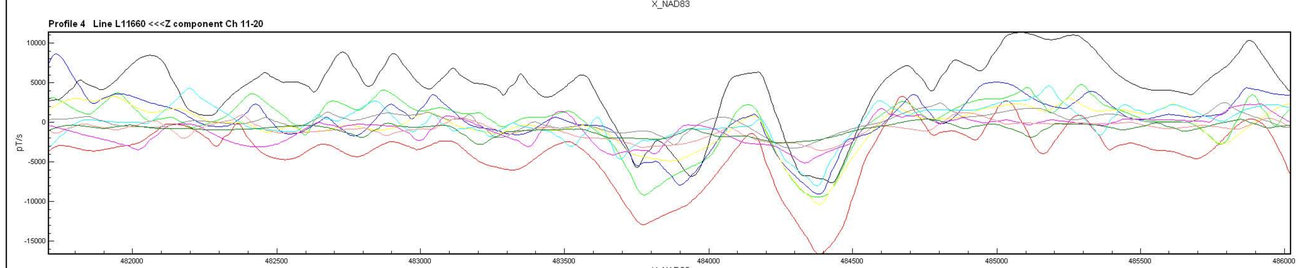

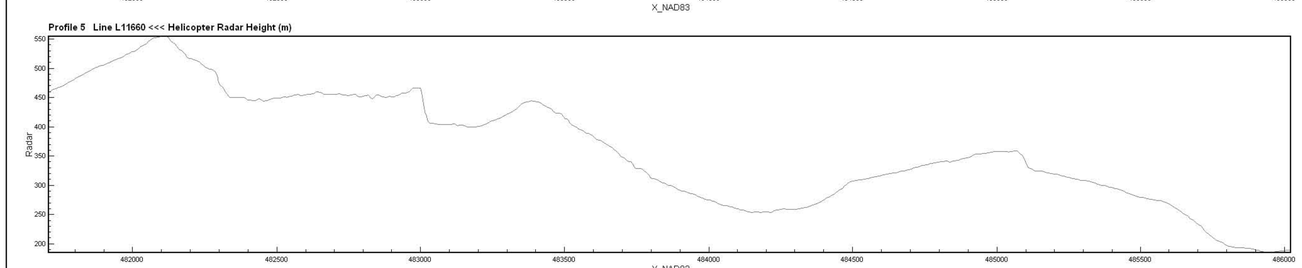

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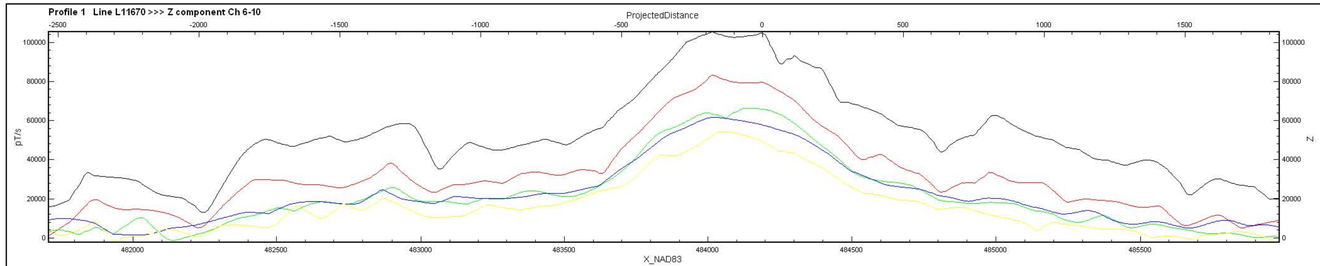

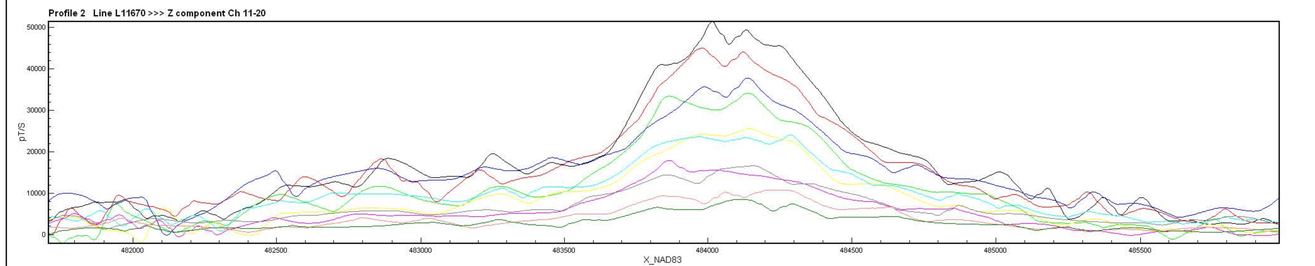

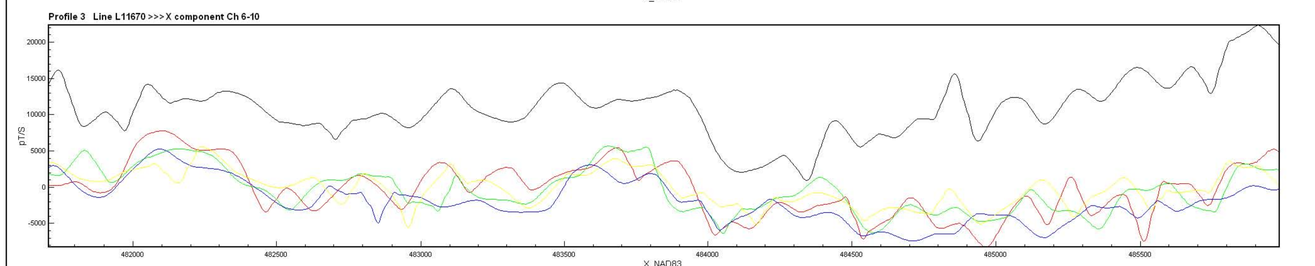

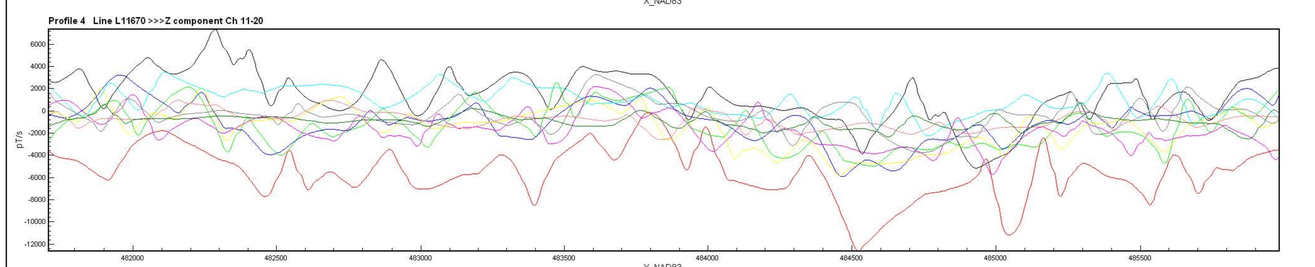

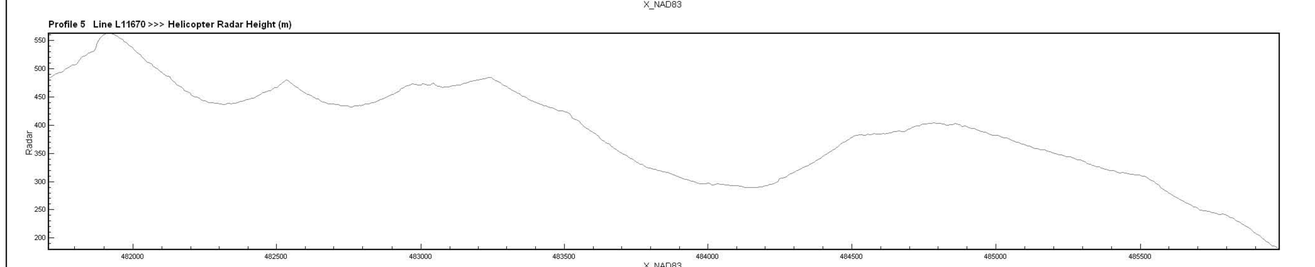

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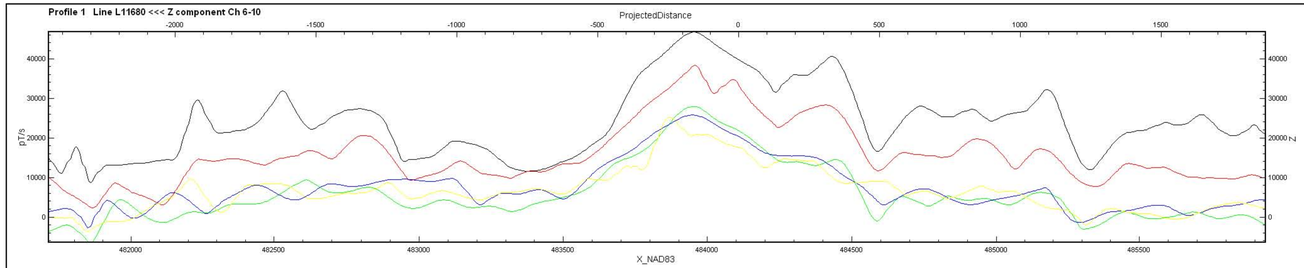

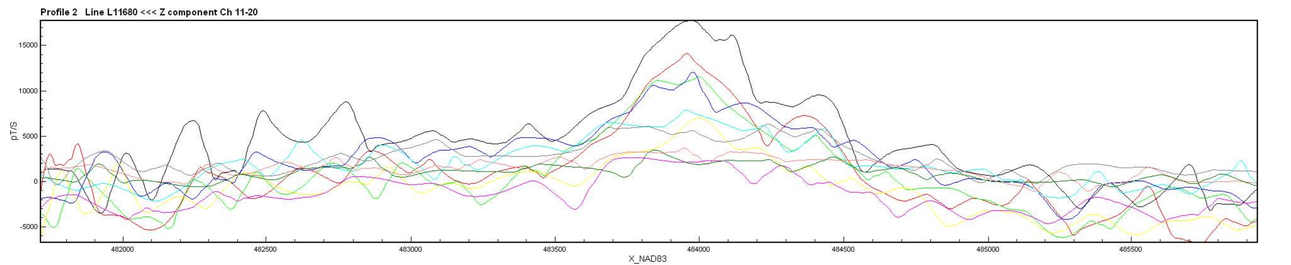

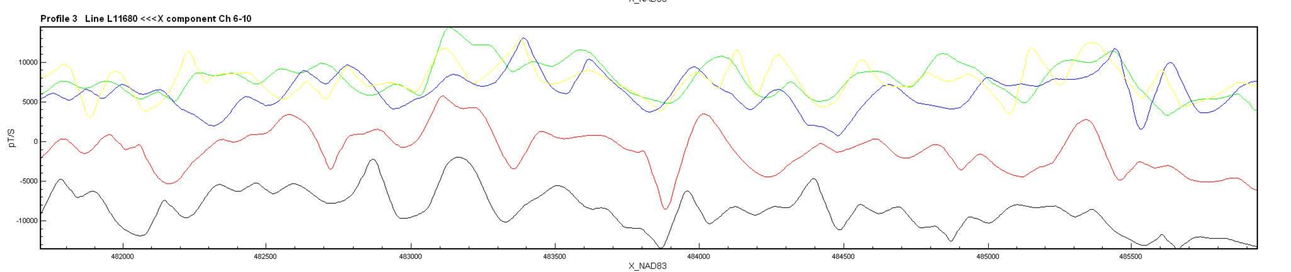

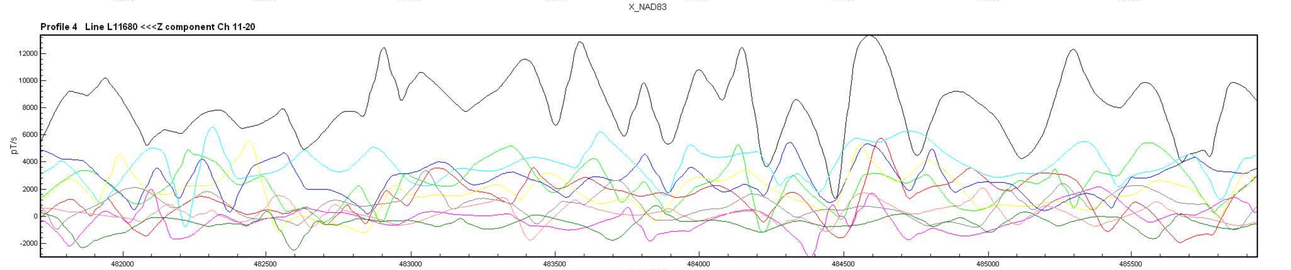

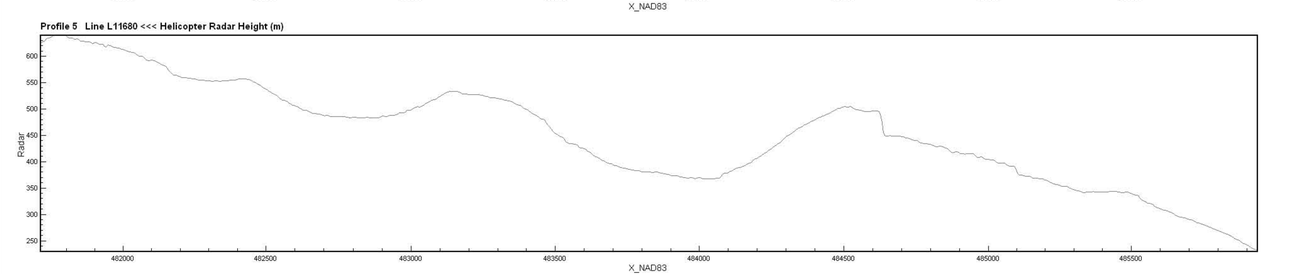

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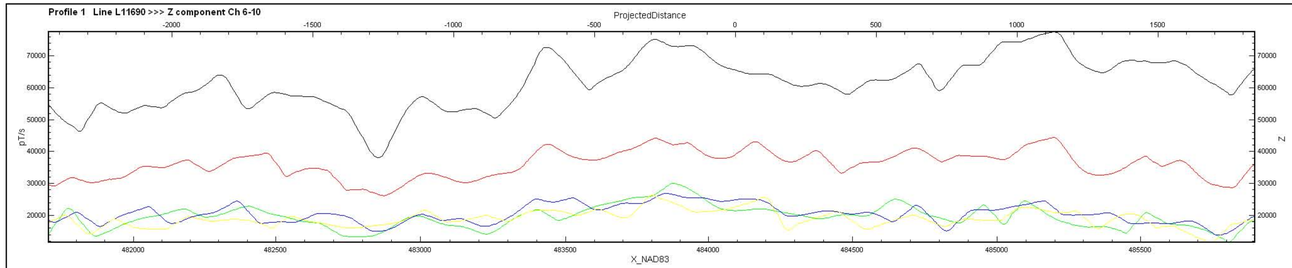

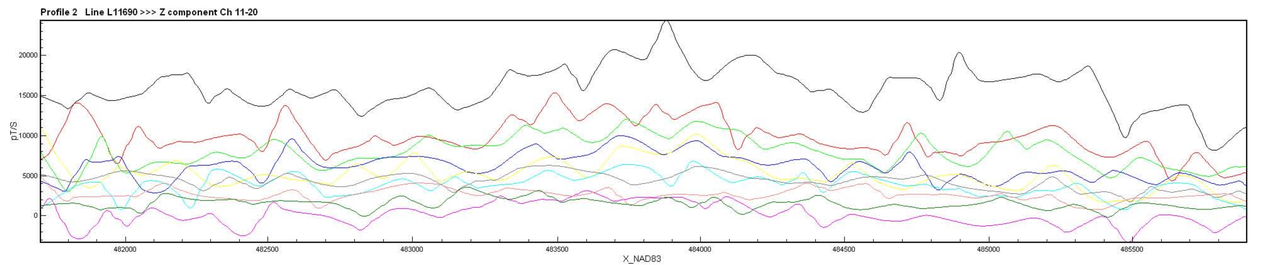

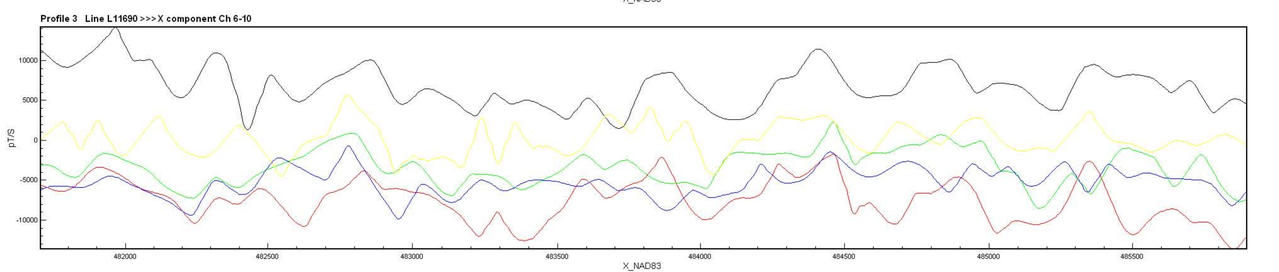

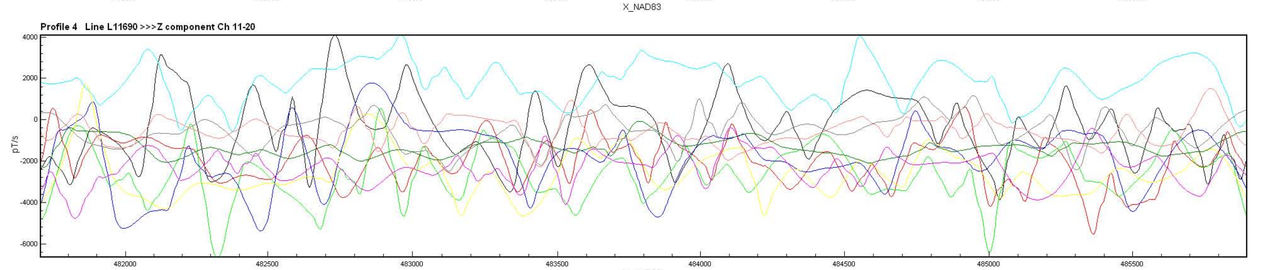

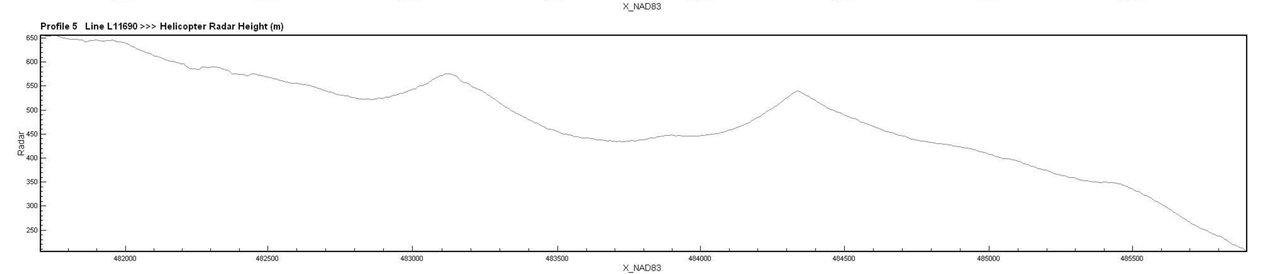

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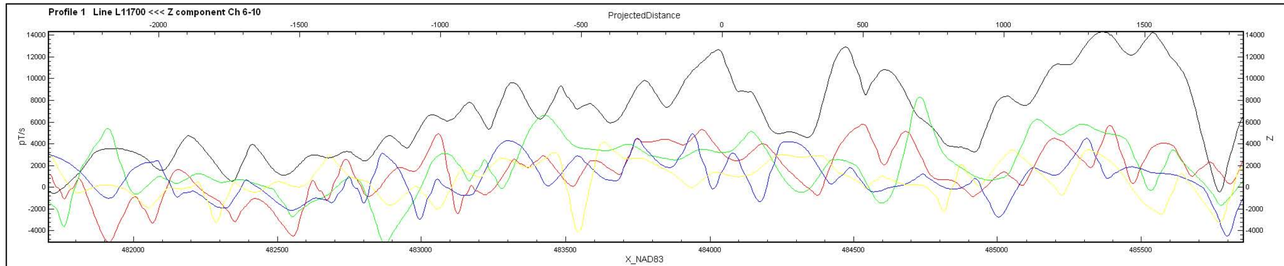

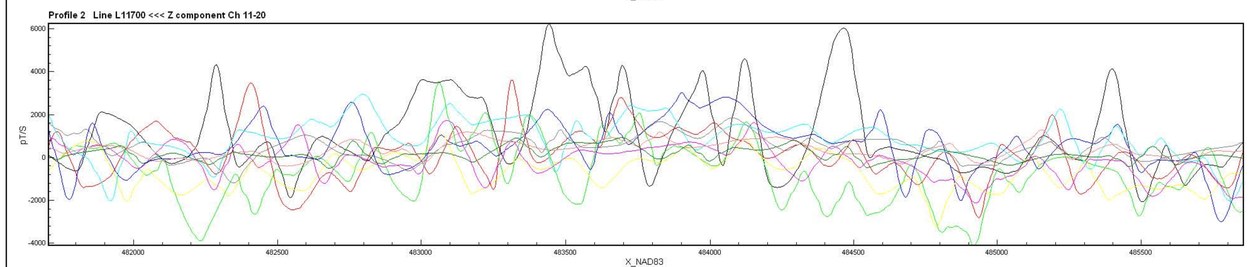

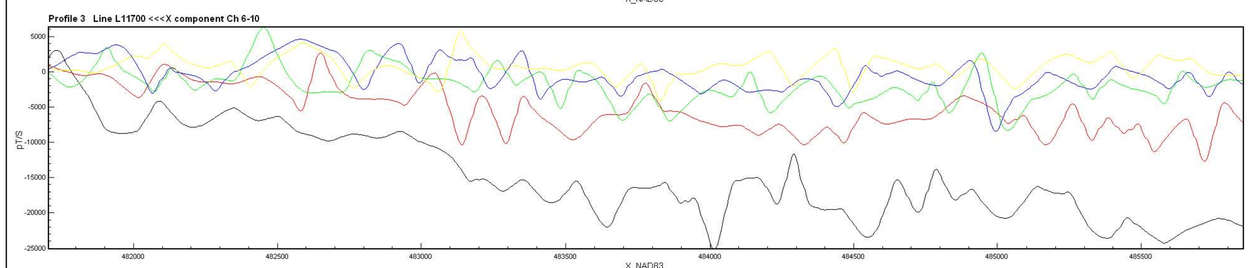

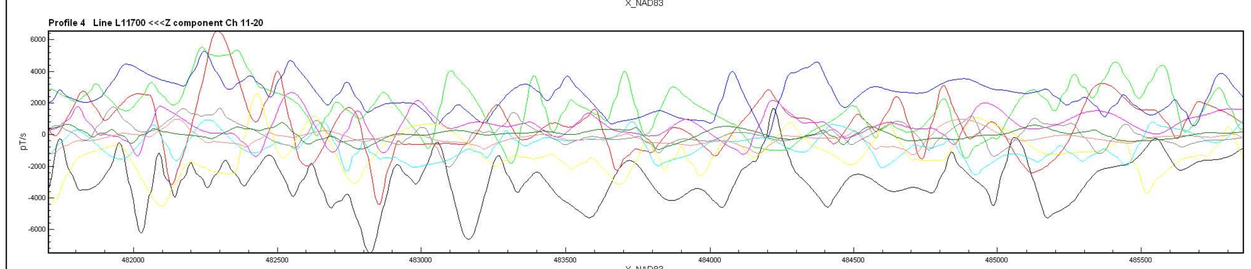

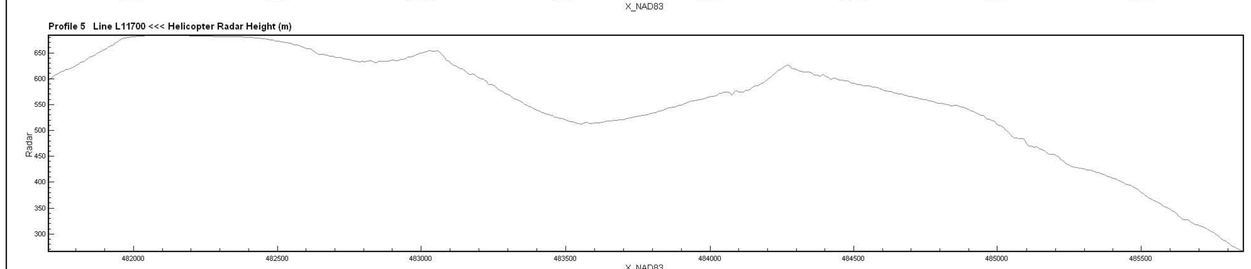

Scale 1 : 10000

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SULTAN MINERALS INC.
HeliGEOTEM ELECTROMAGNETIC SURVEY
X & Z COMPONENT PROFILES

JERSEY PROJECT,
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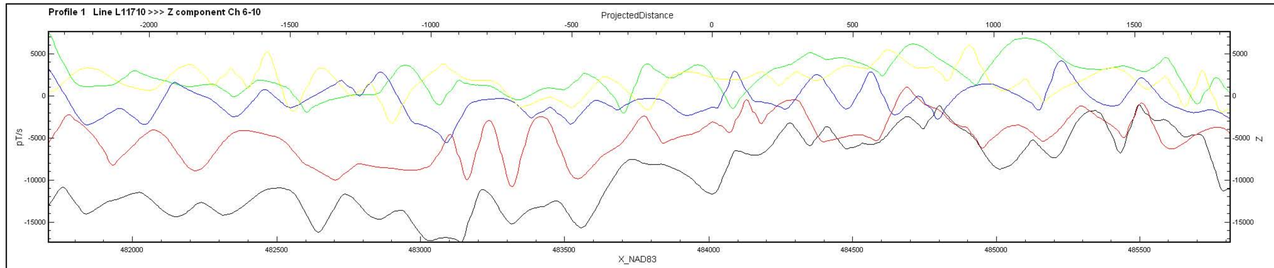

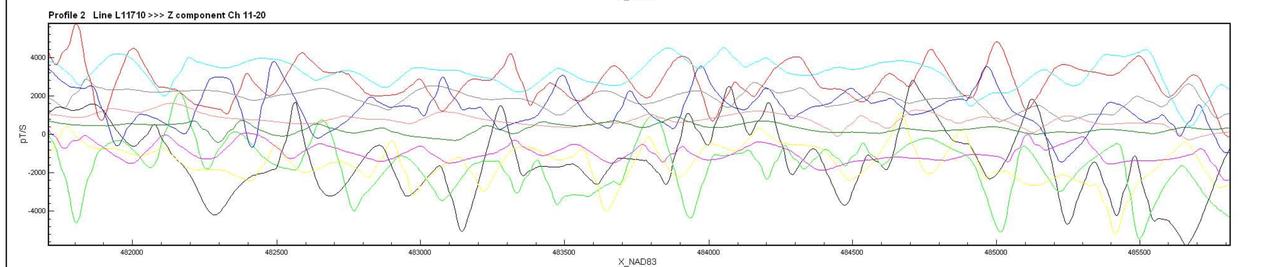

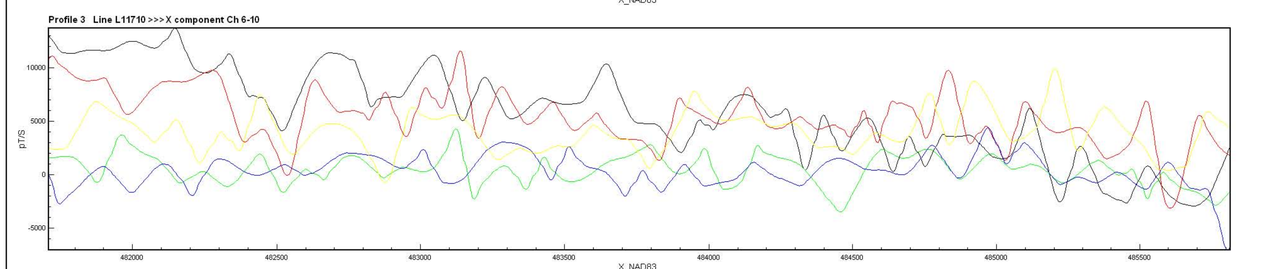

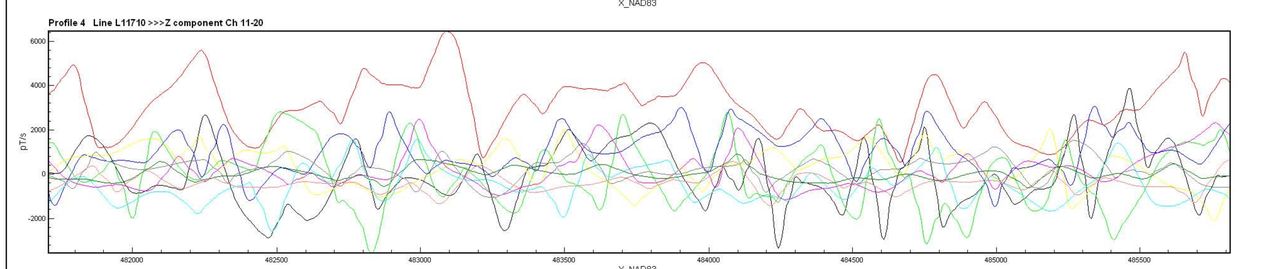

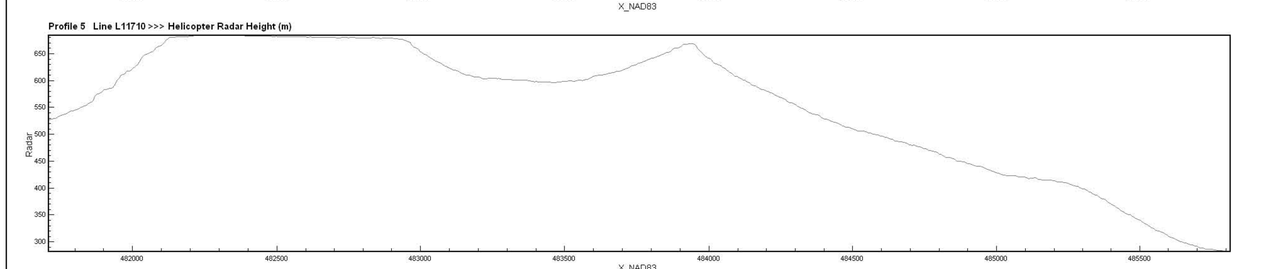

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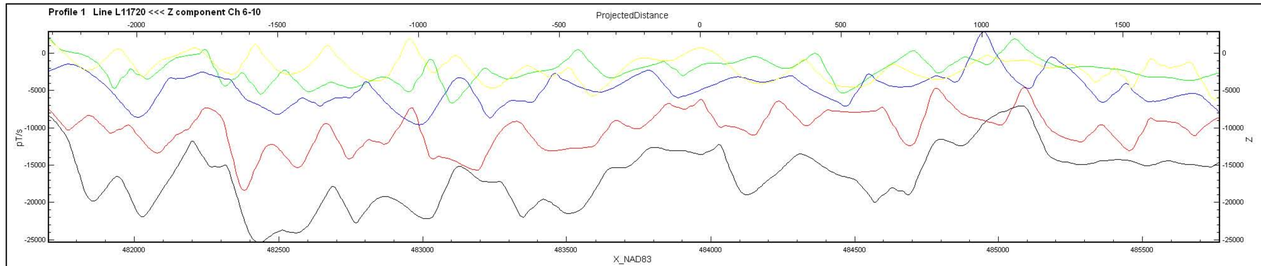

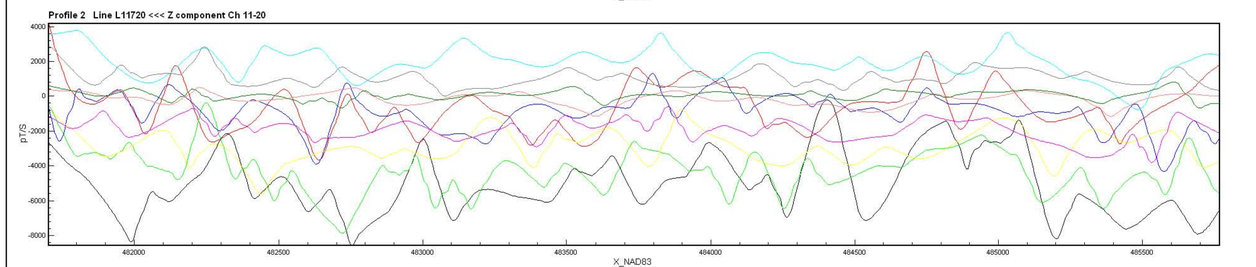

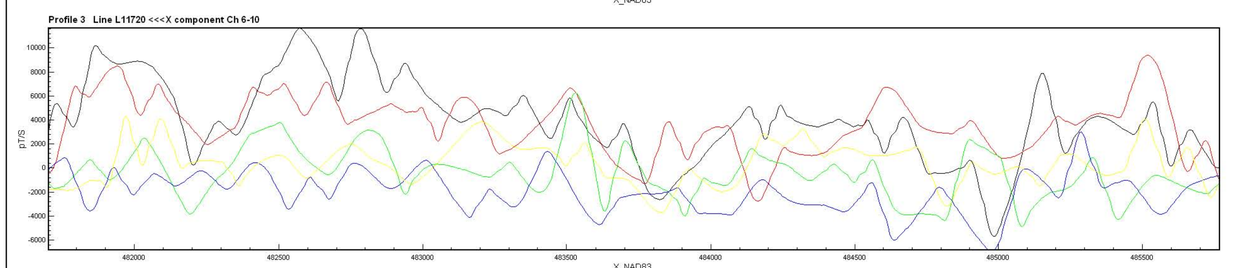

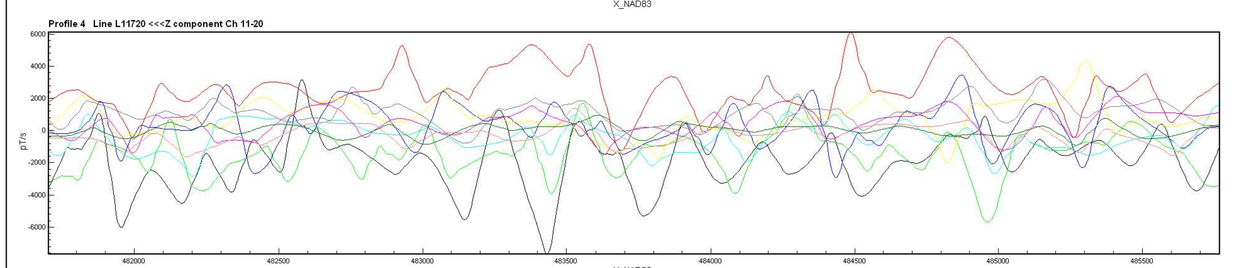

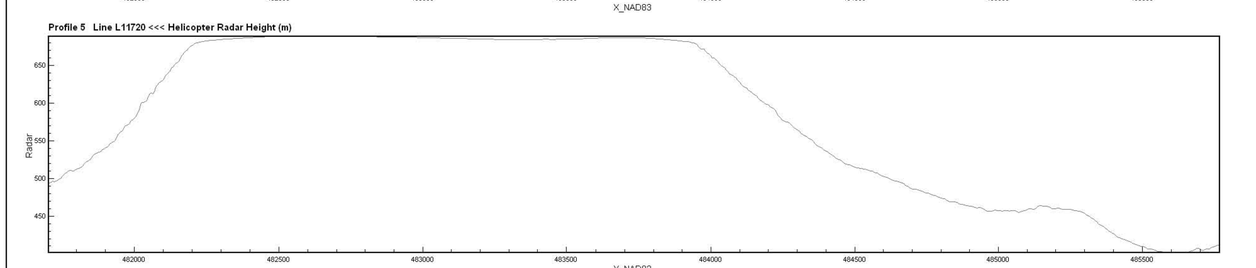

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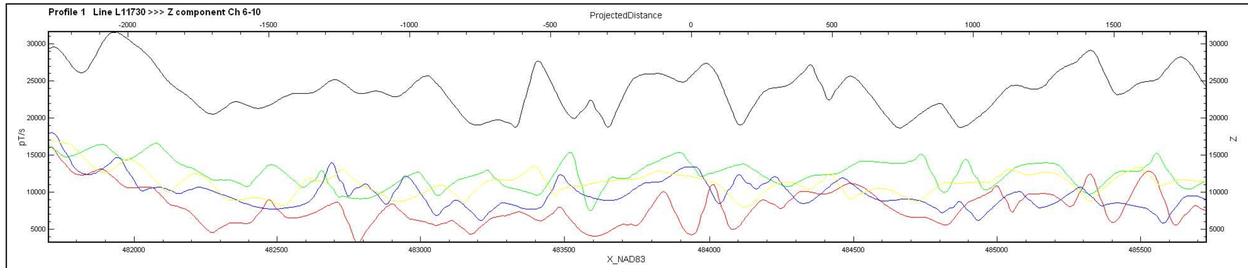

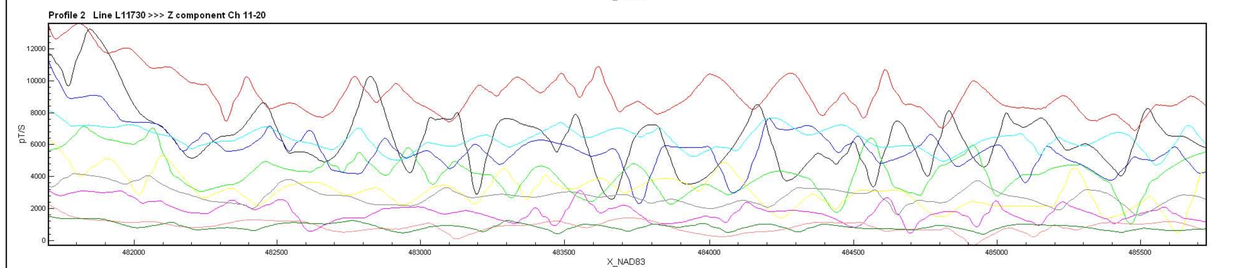

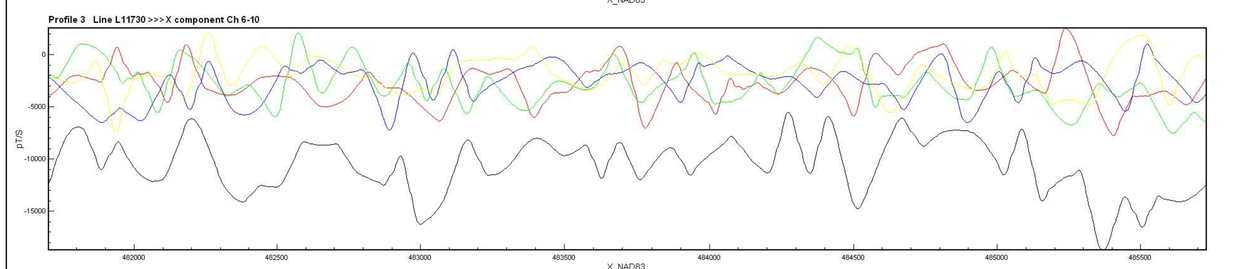

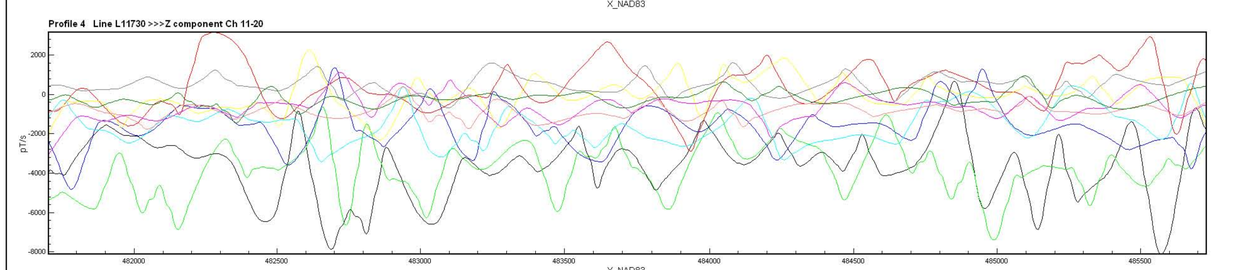

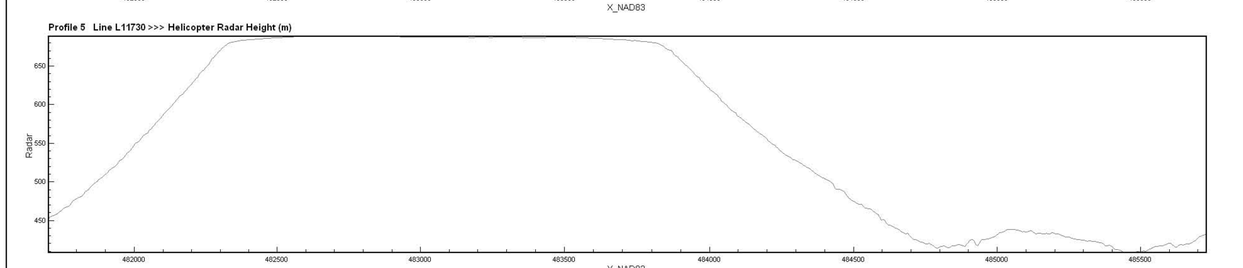

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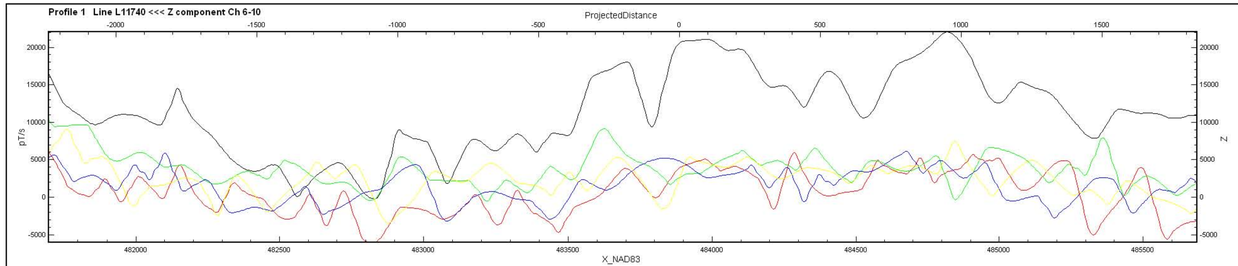

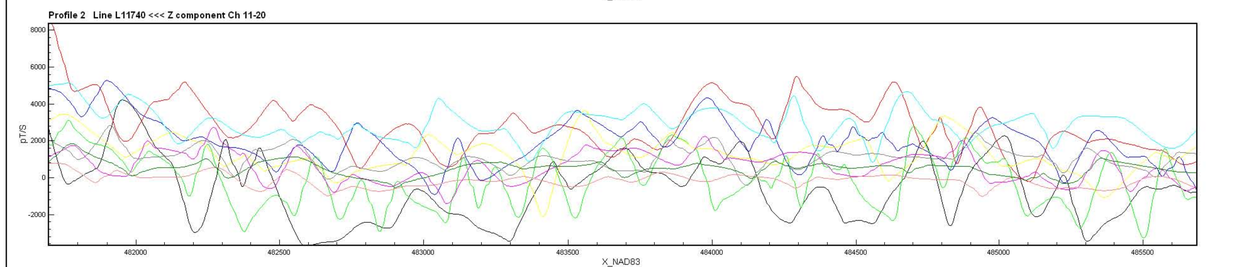

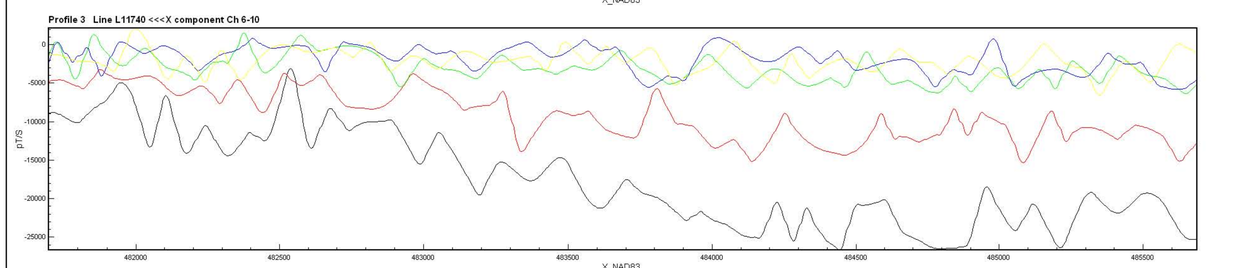

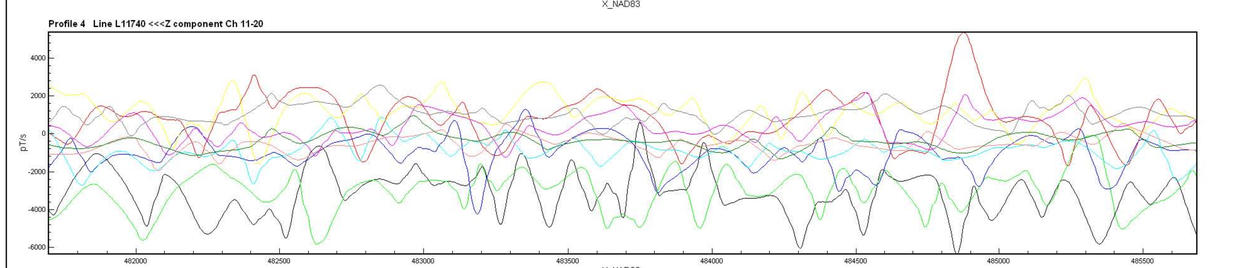

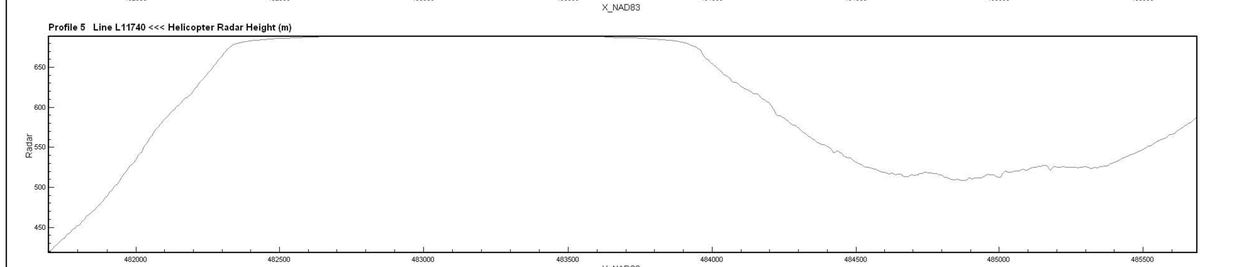

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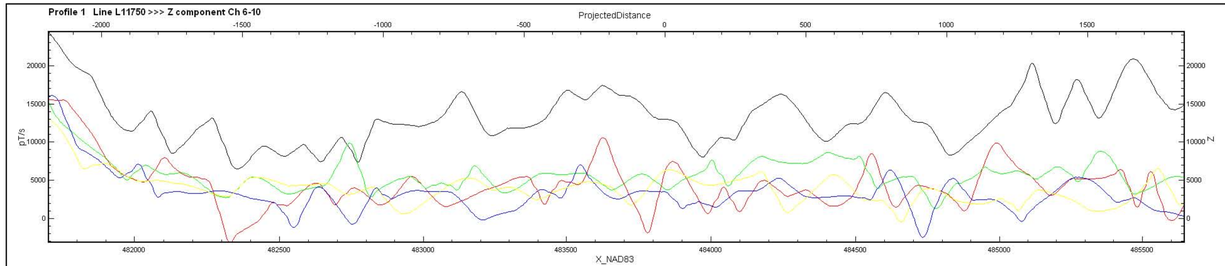

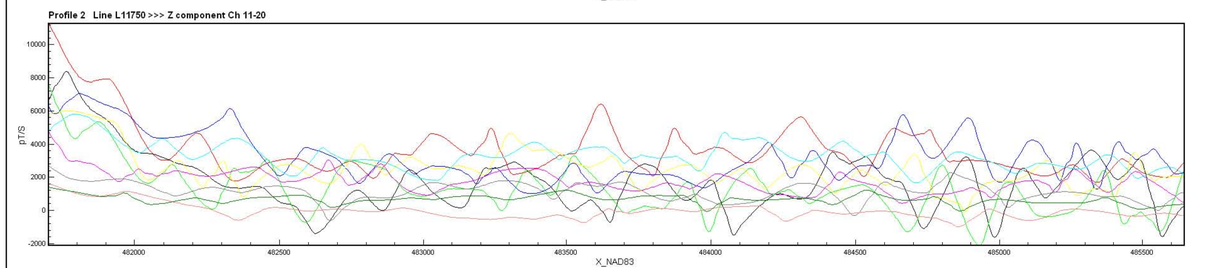

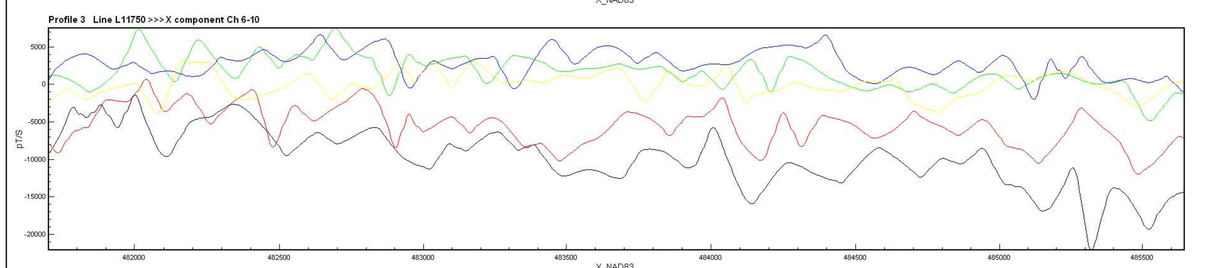

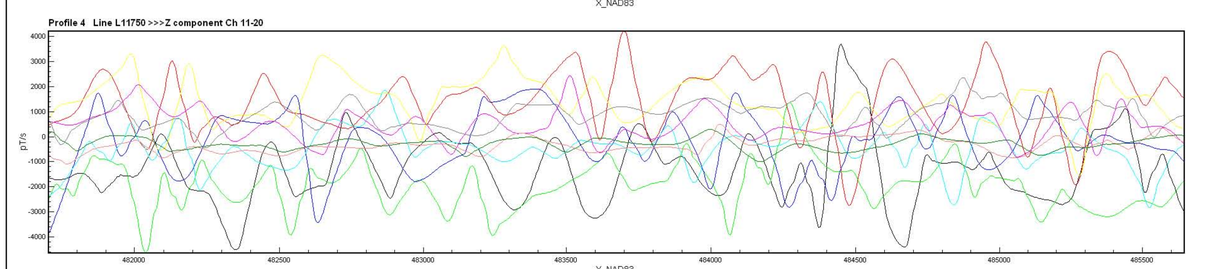

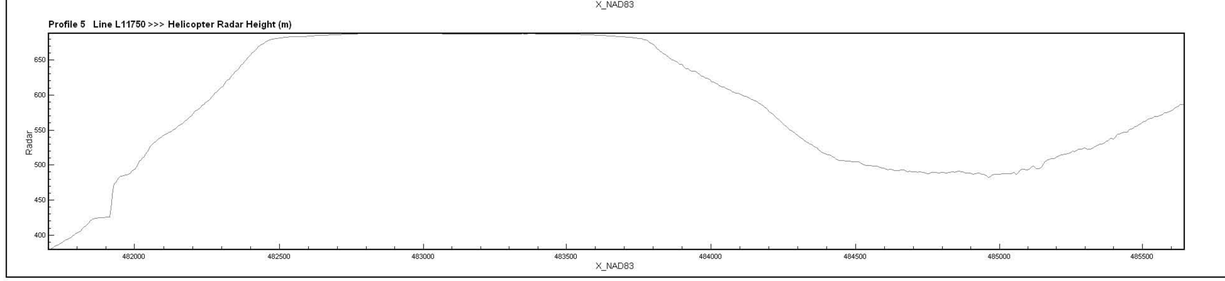

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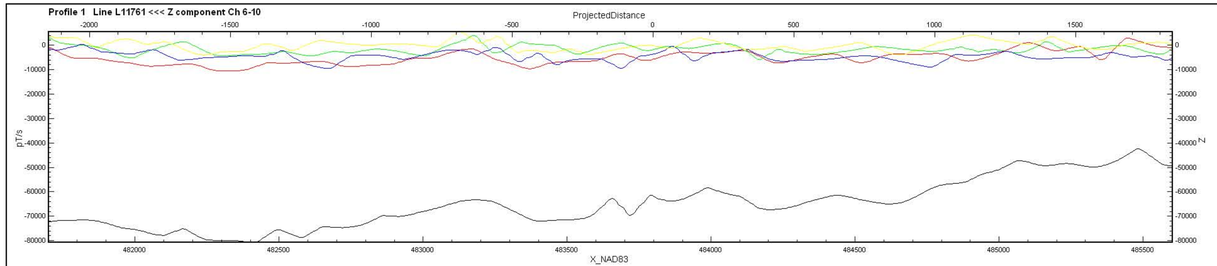

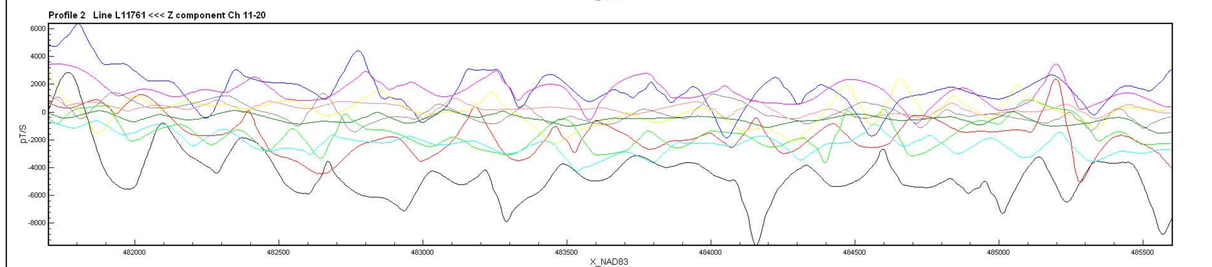

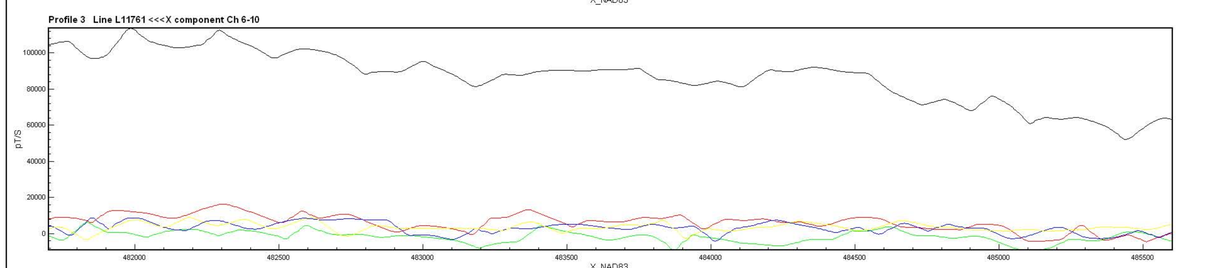

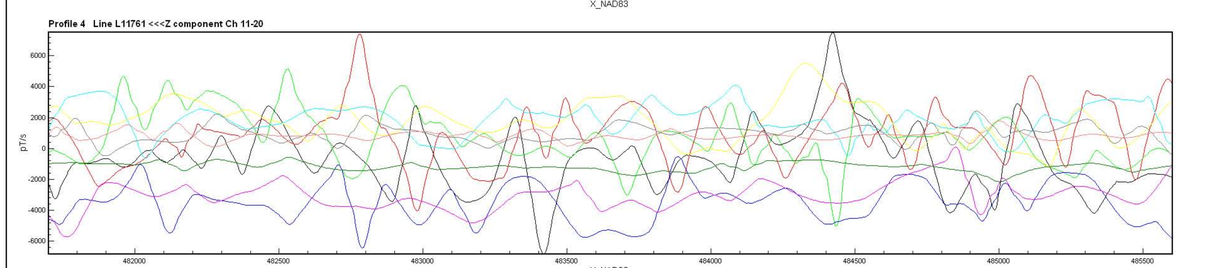

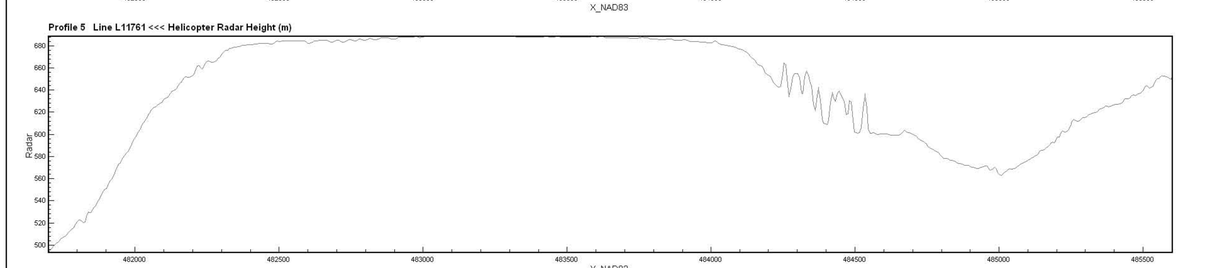

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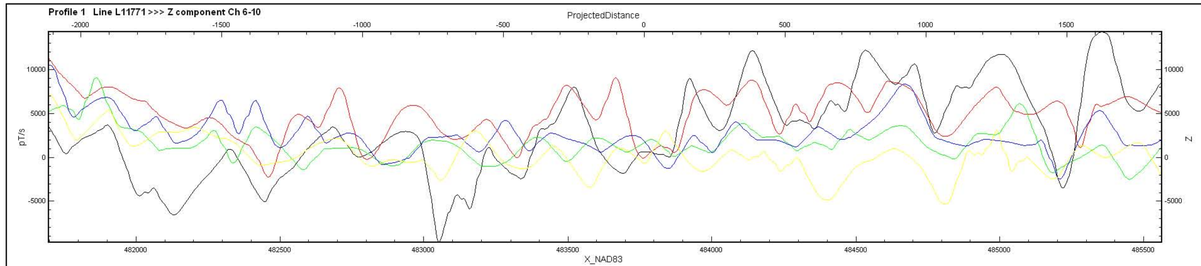

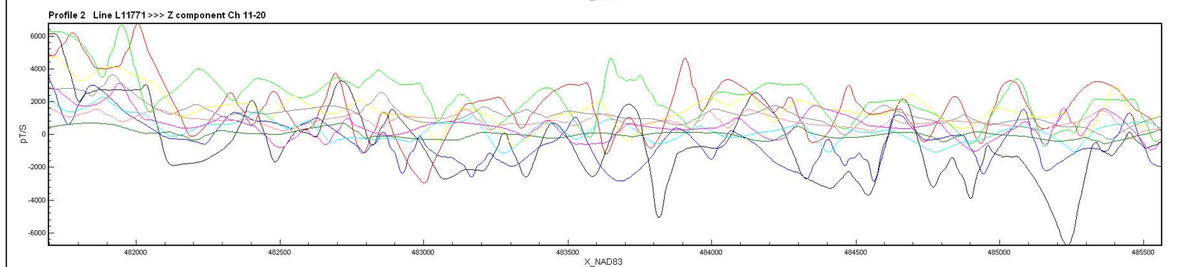

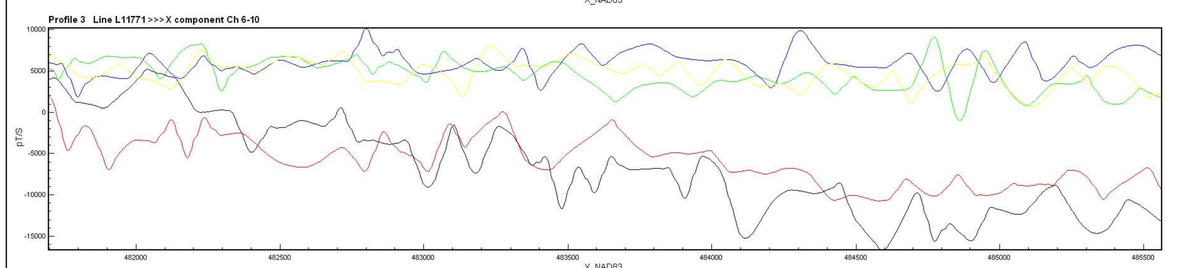

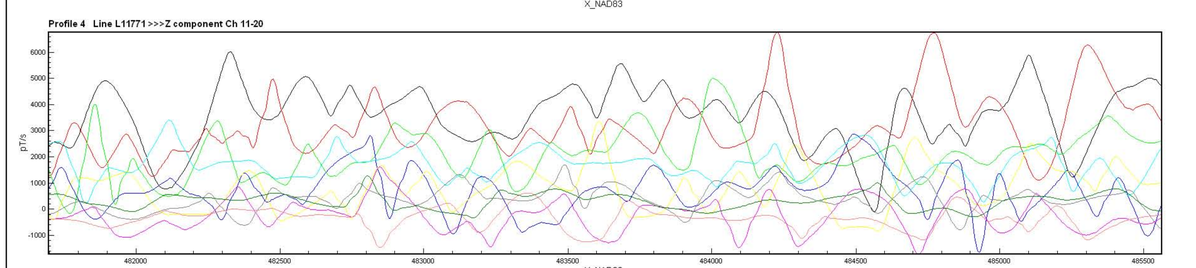

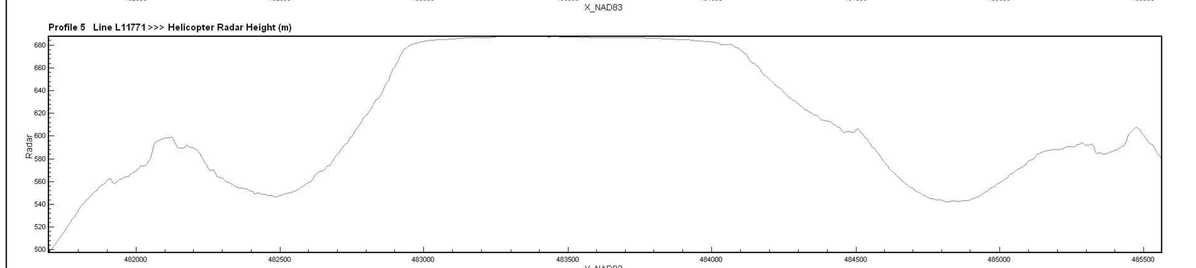

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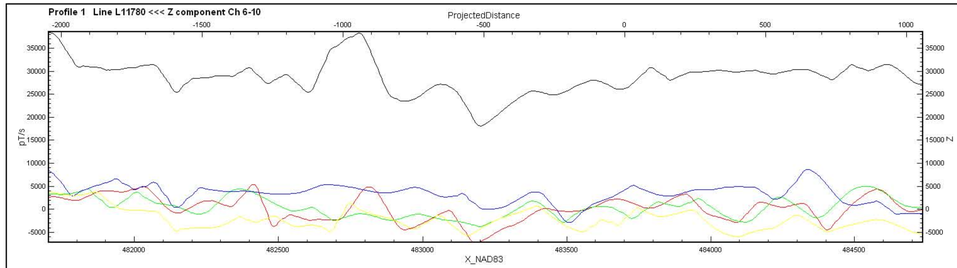

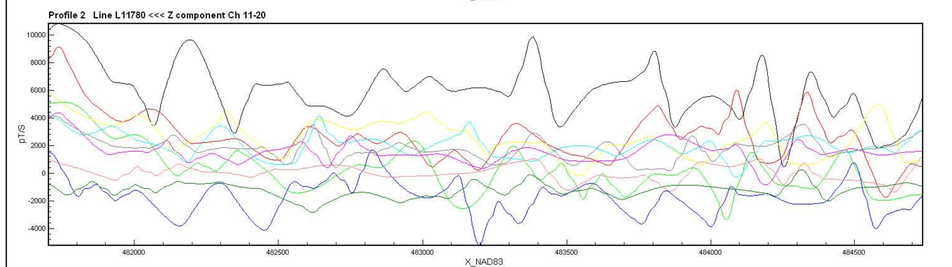

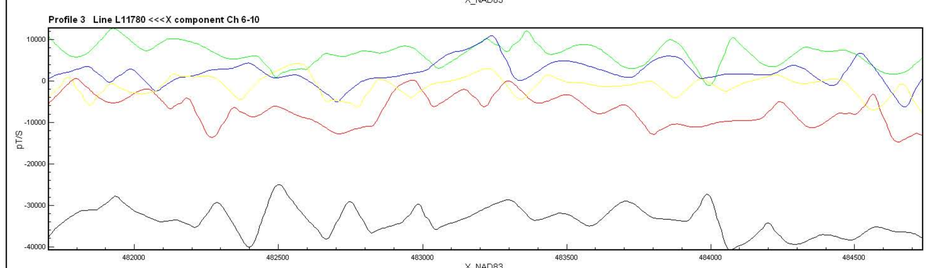

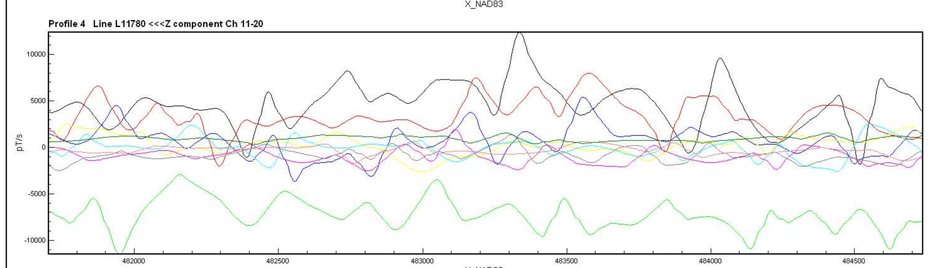

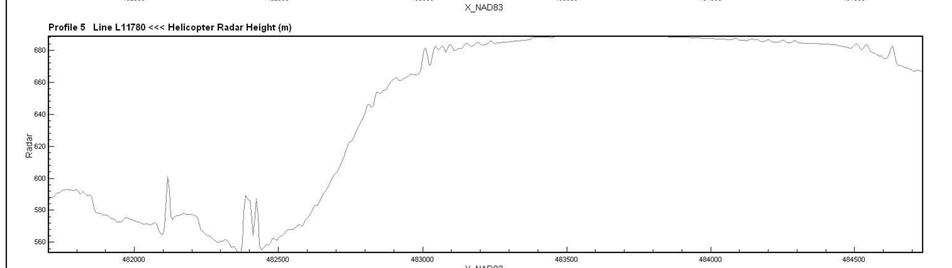

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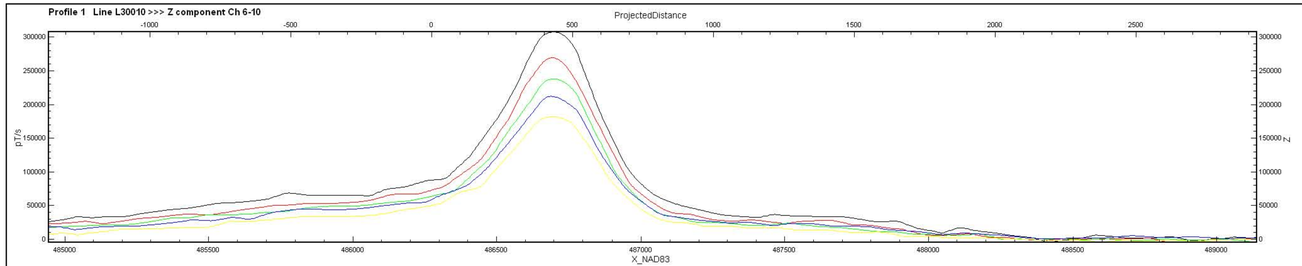

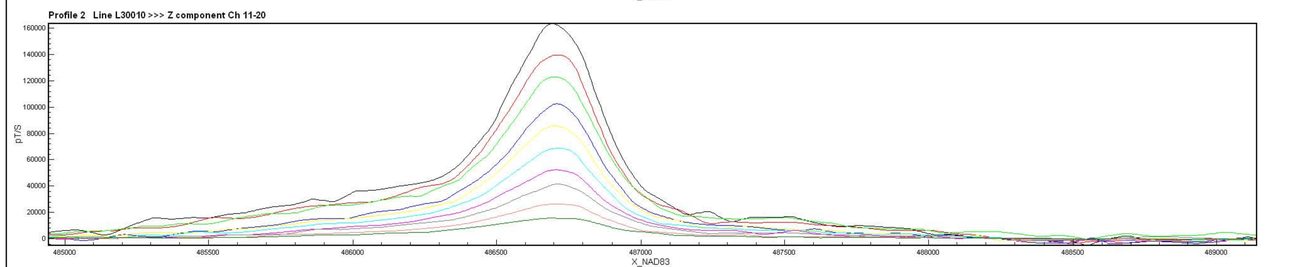

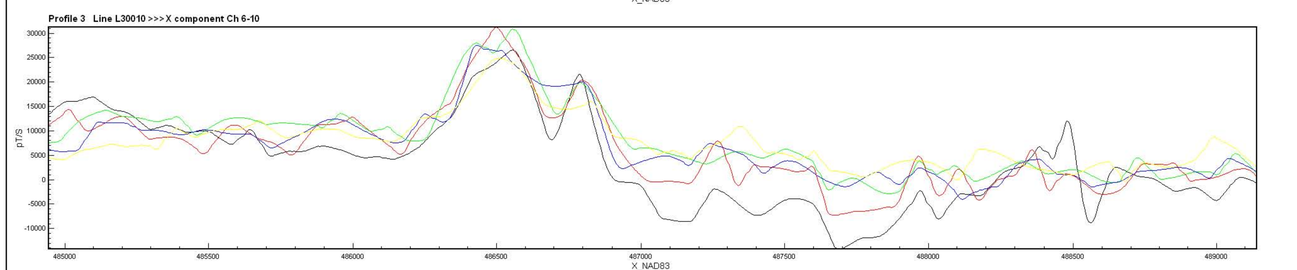

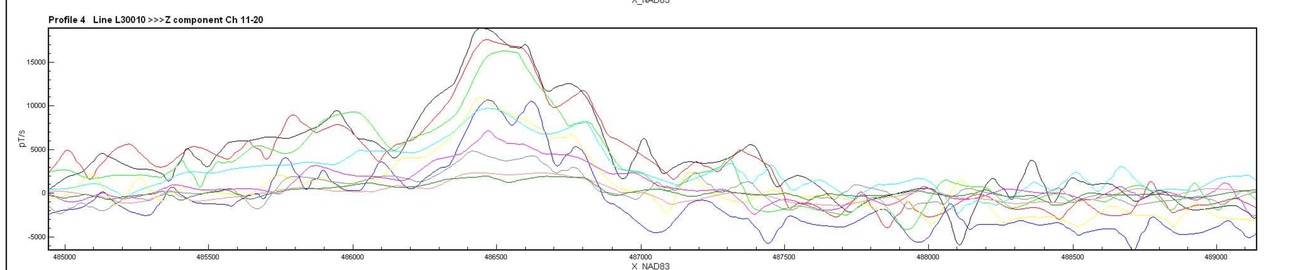

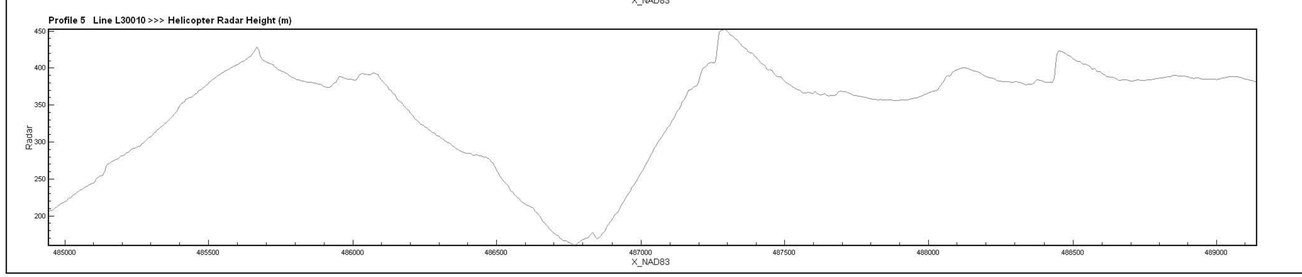

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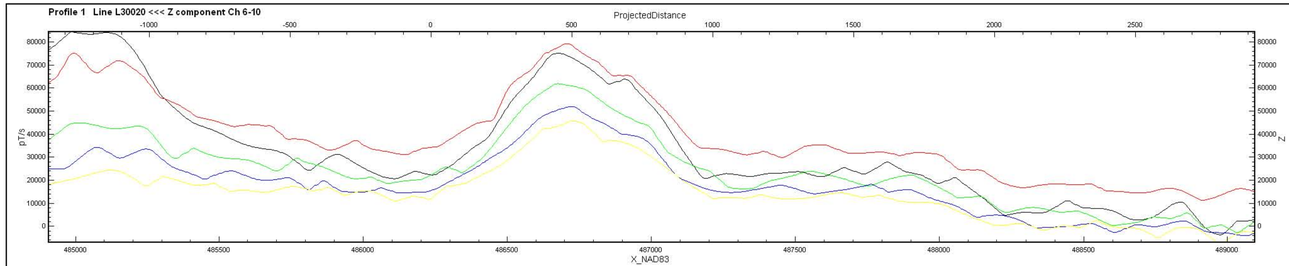

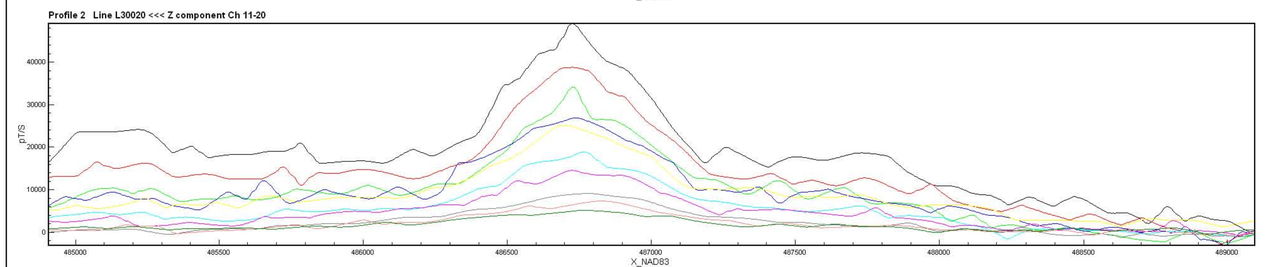

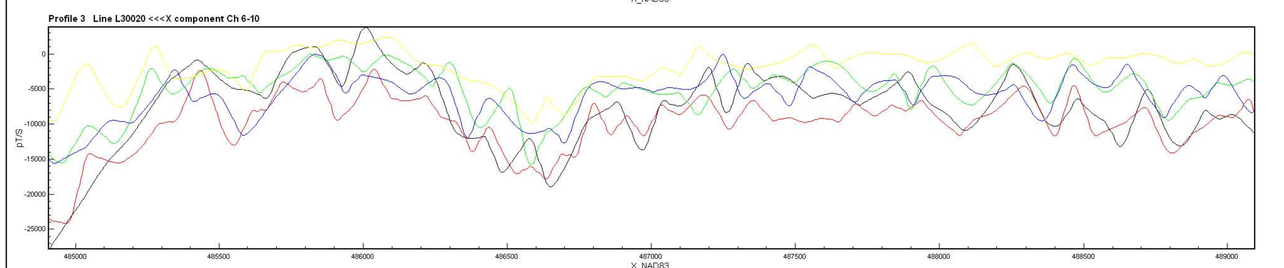

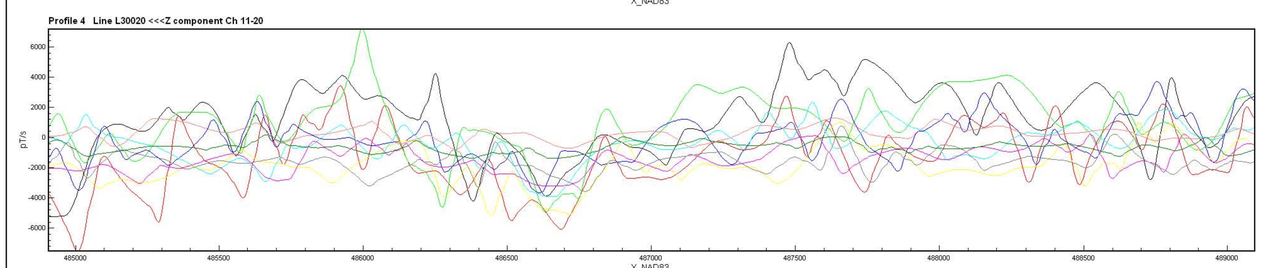

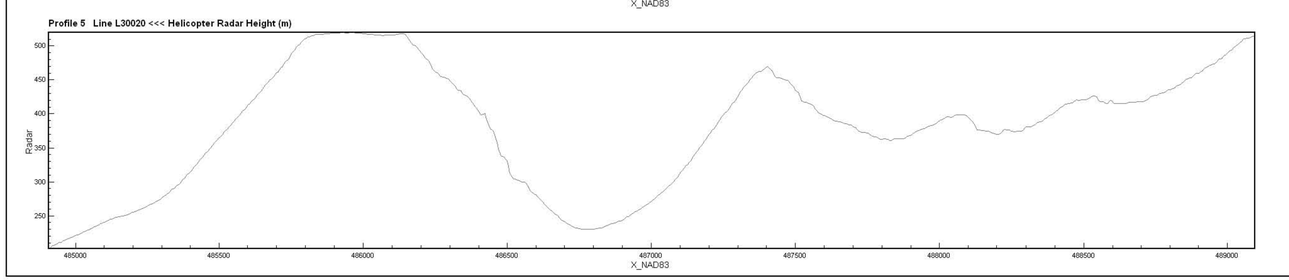

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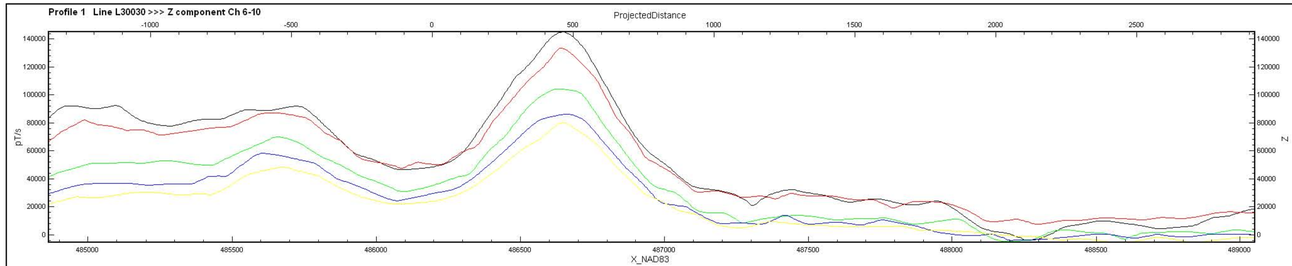
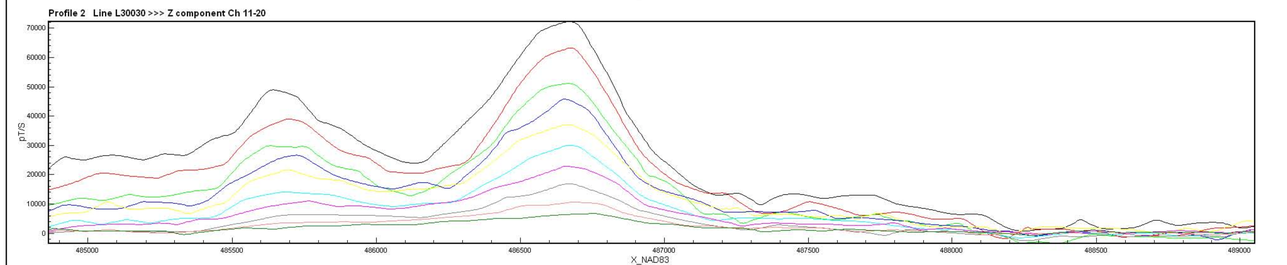
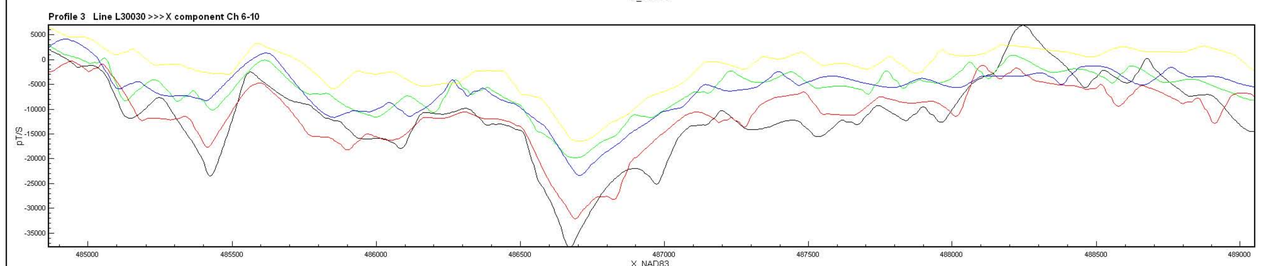
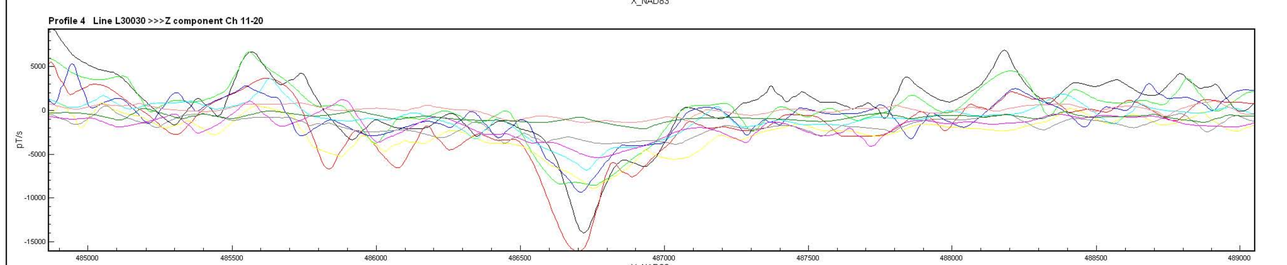
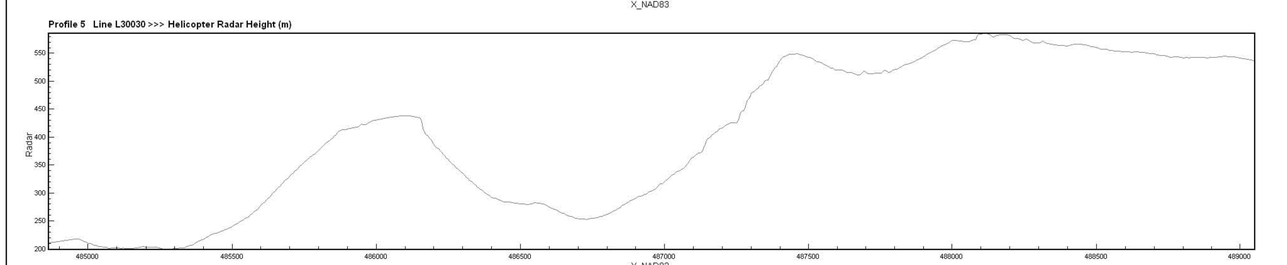








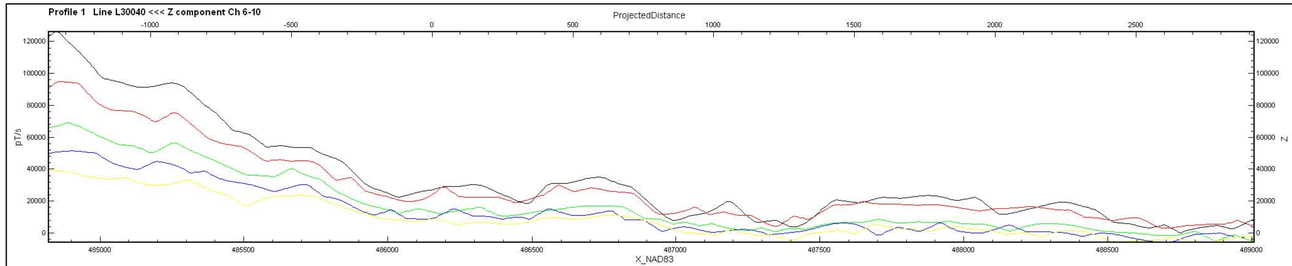


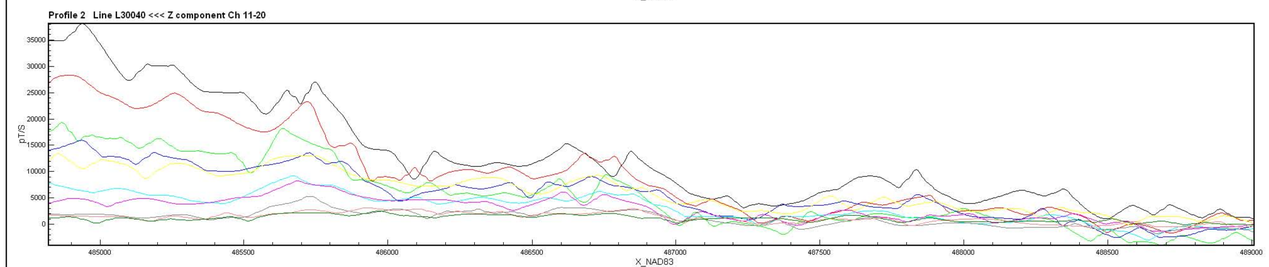
Scale 1 : 10000

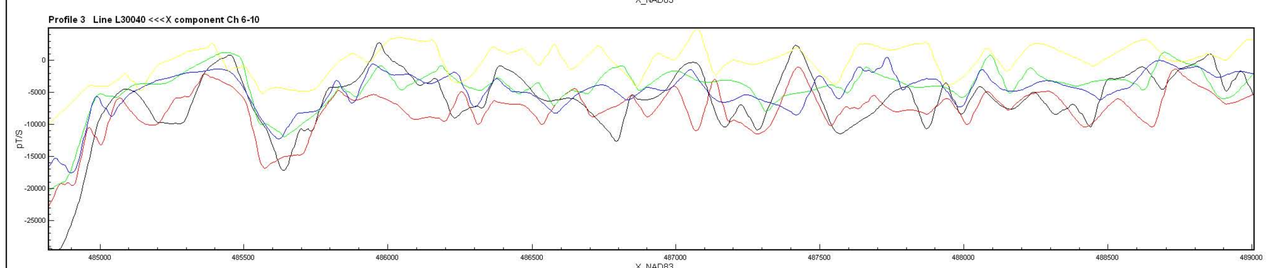
0m 200m 400m 600m 800m 1000m 1100m

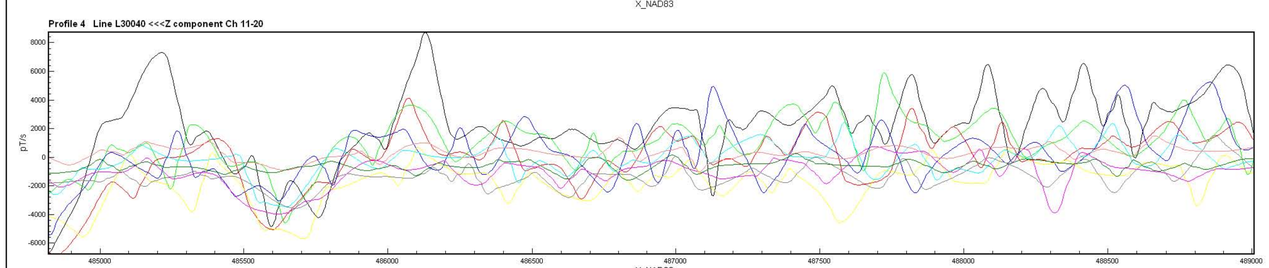
SULTAN MINERALS INC.
HeliGEOTEM ELECTROMAGNETIC SURVEY
X & Z COMPONENT PROFILES

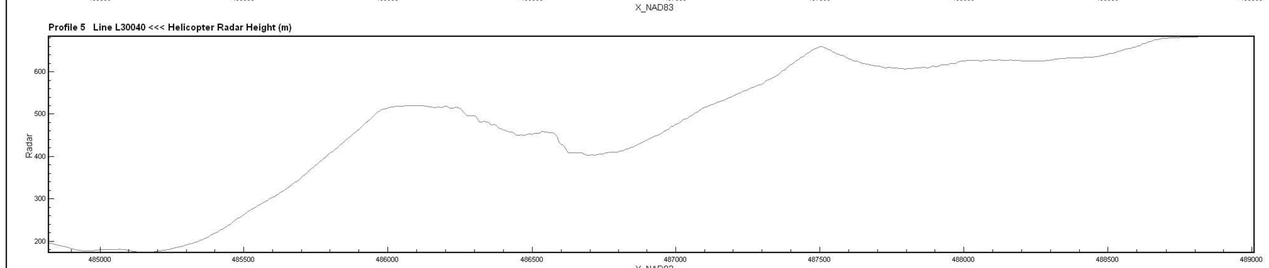
JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA











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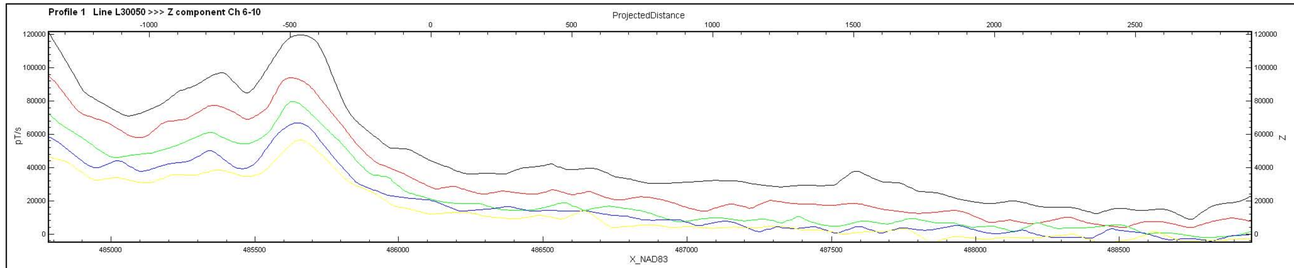

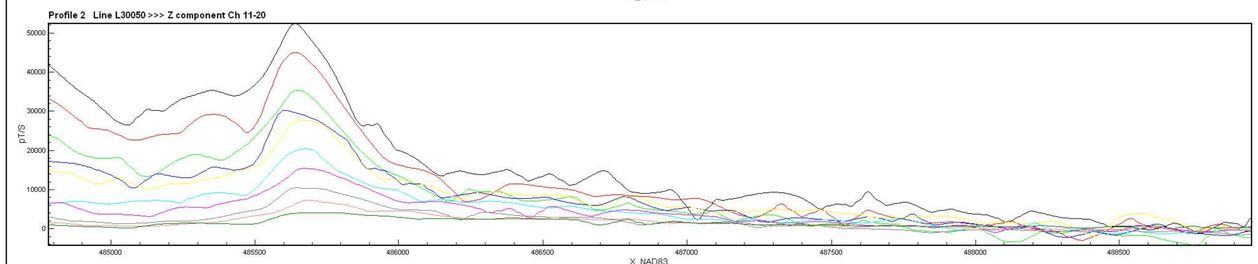

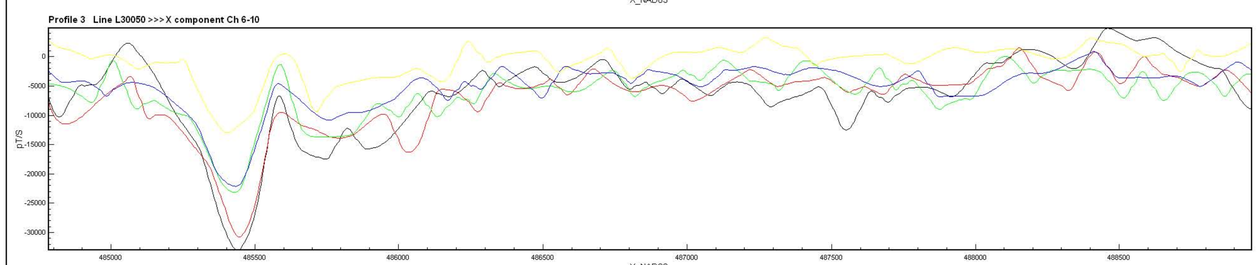

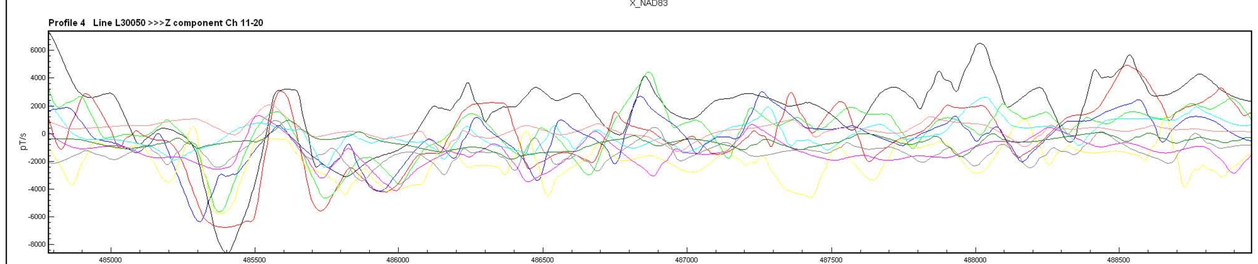

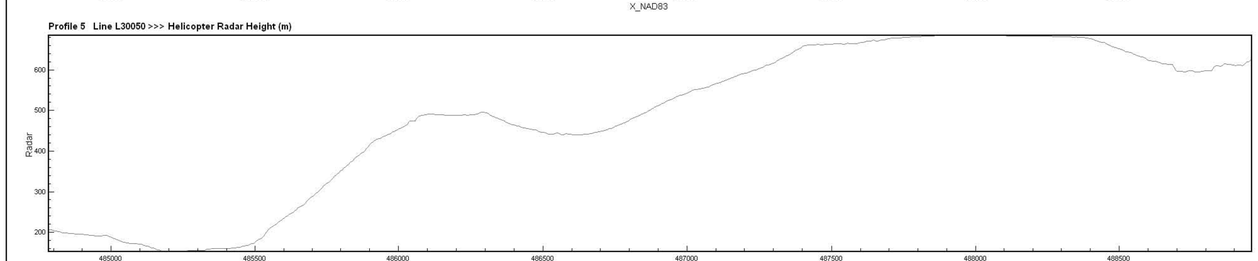

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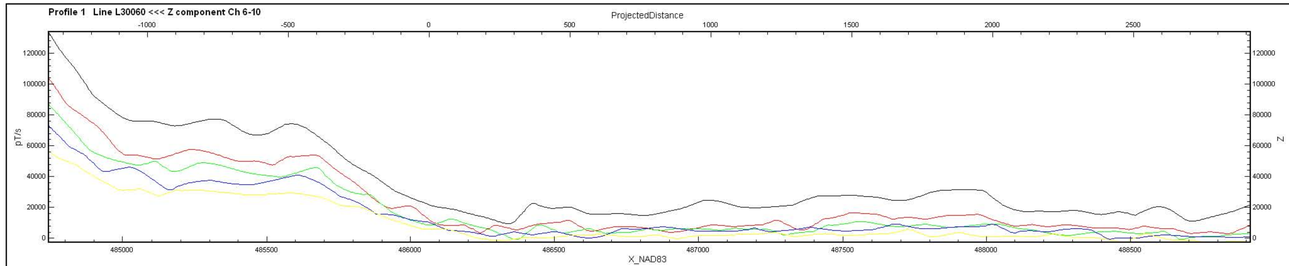

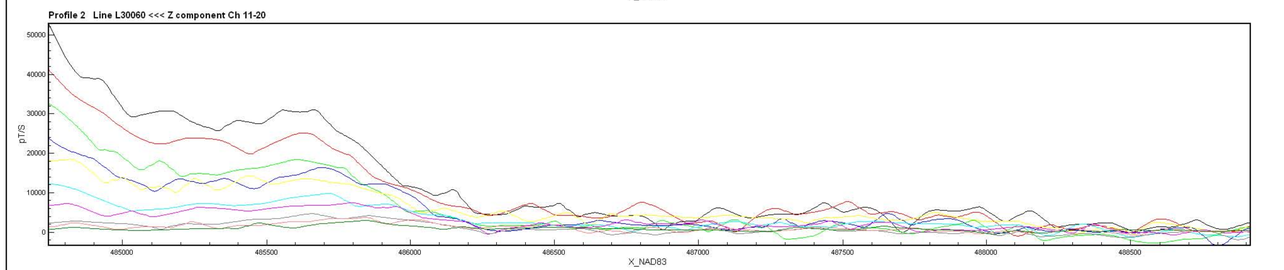

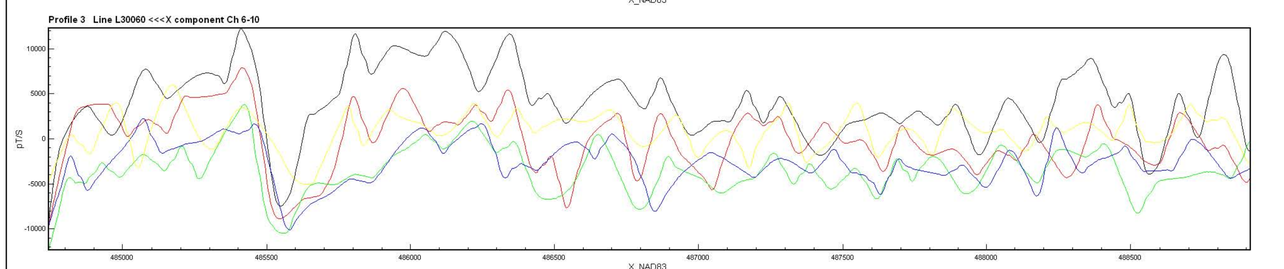

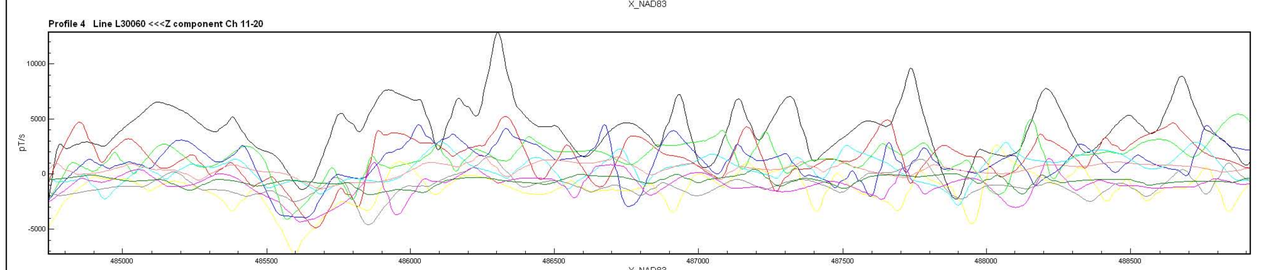

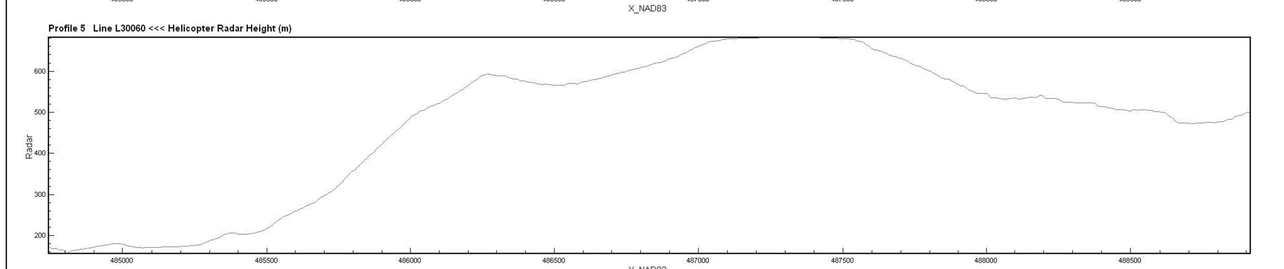

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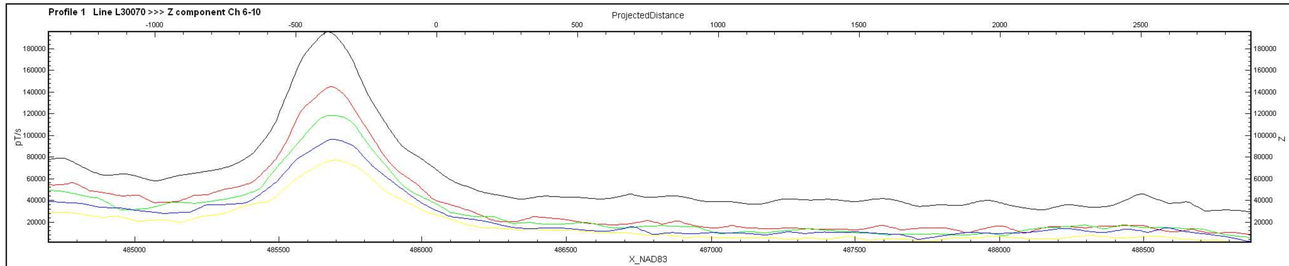
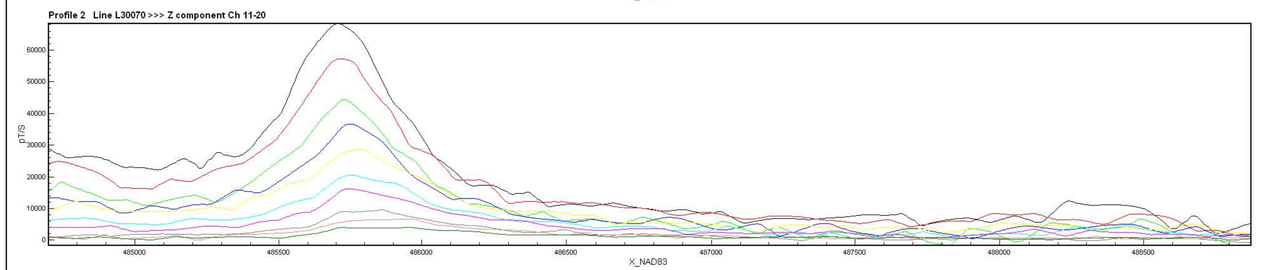
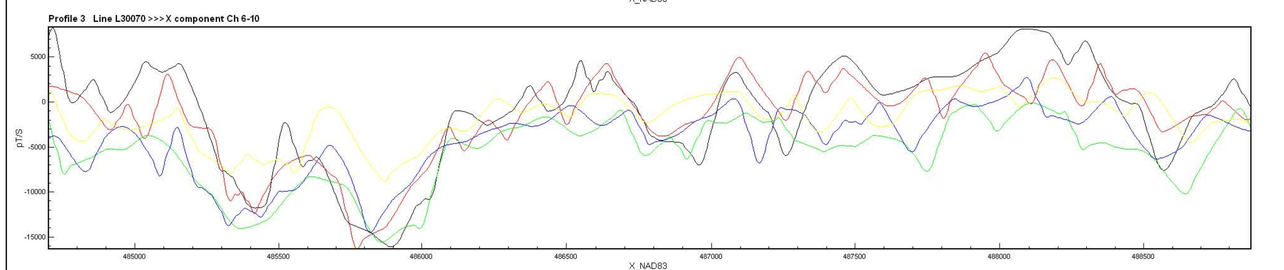
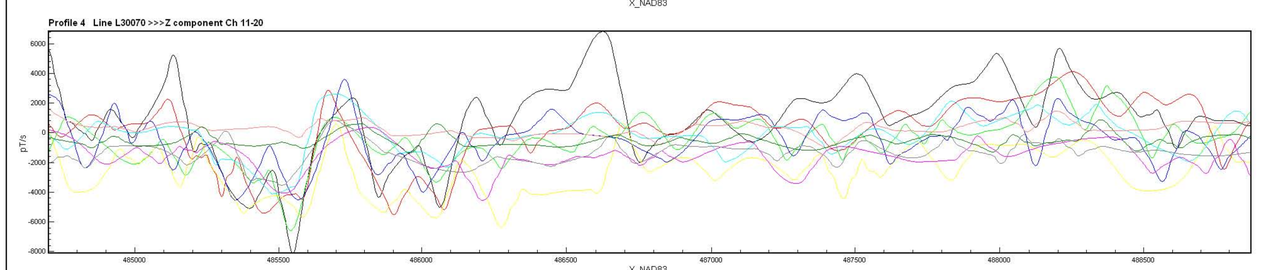
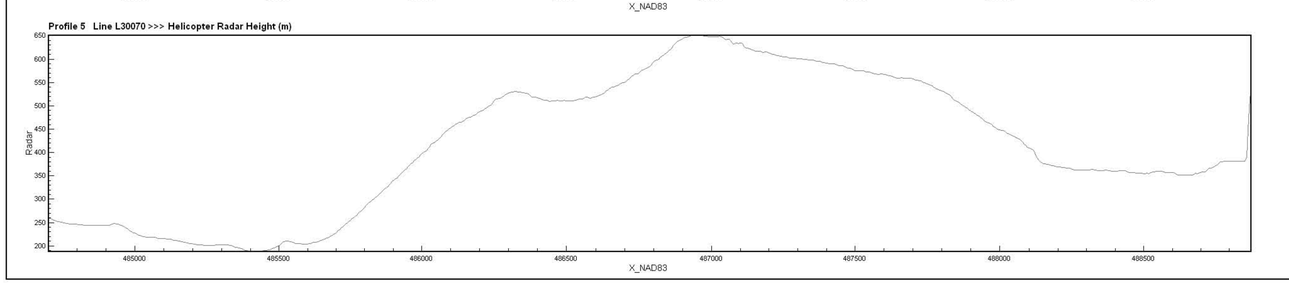
SALMO AREA, BRITISH COLUMBIA











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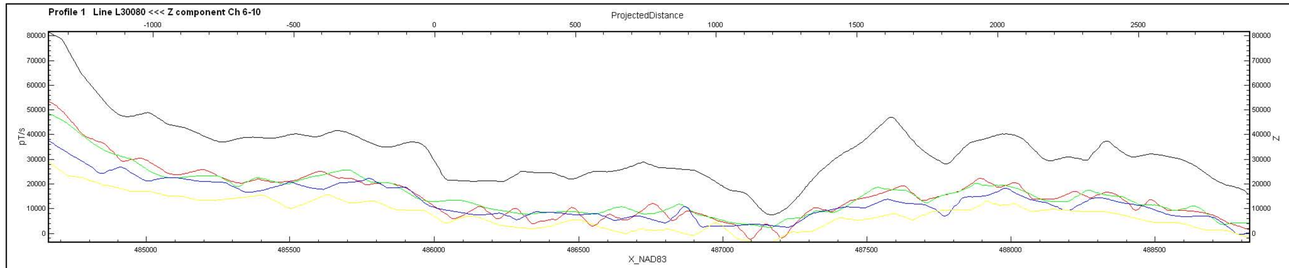

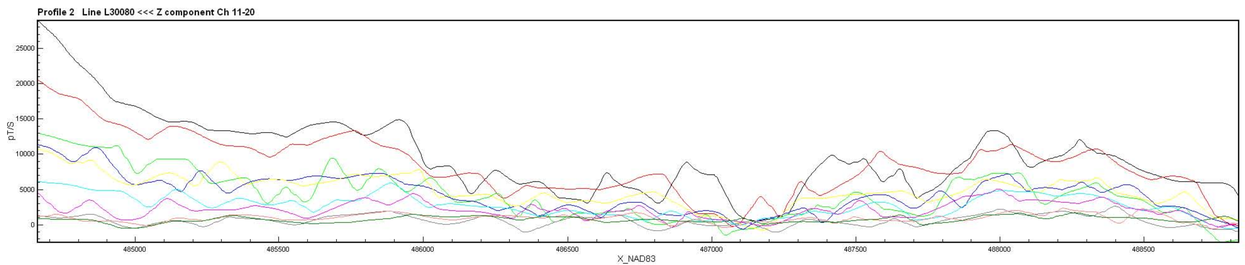

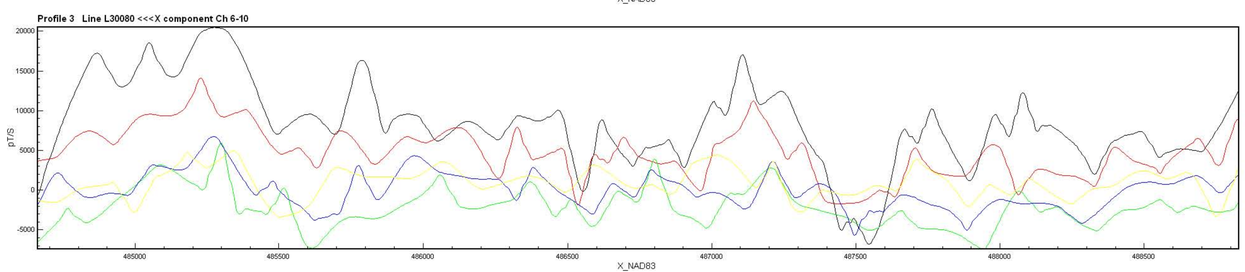

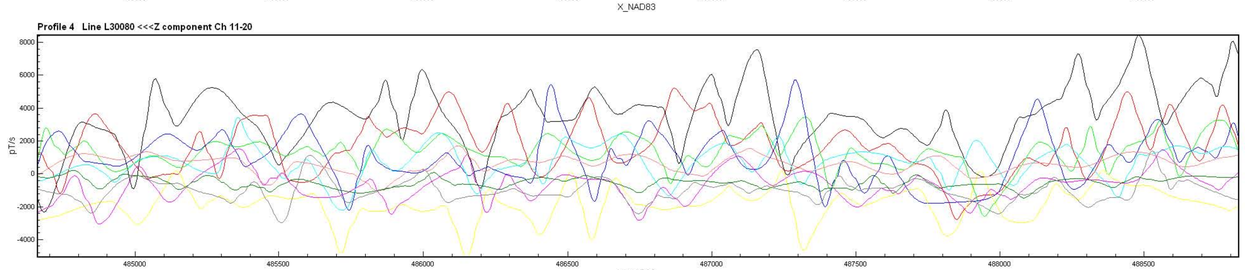

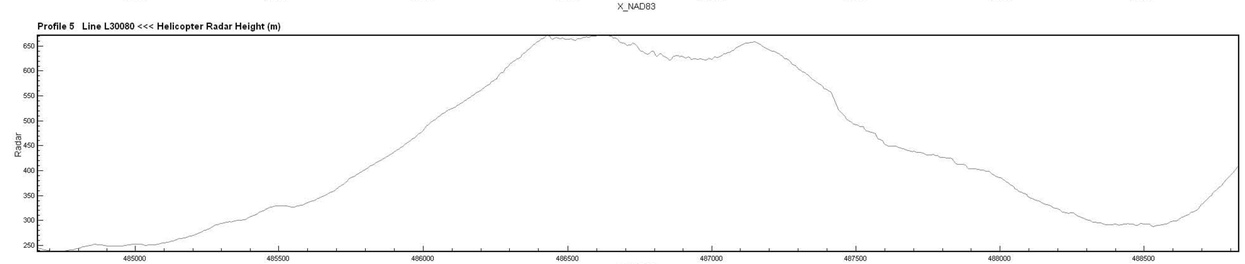

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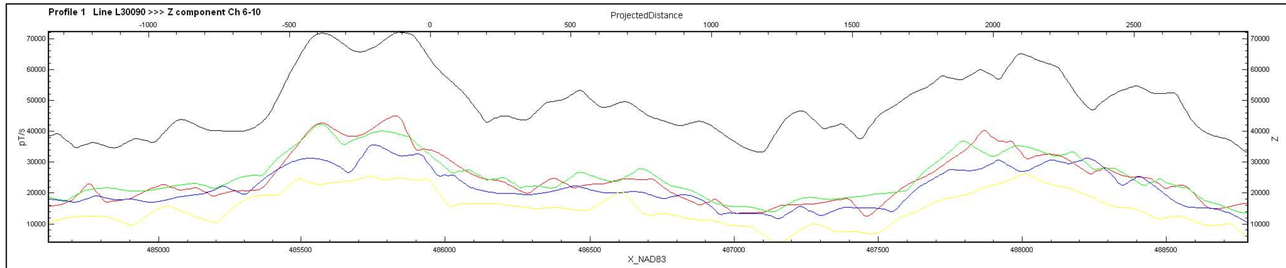
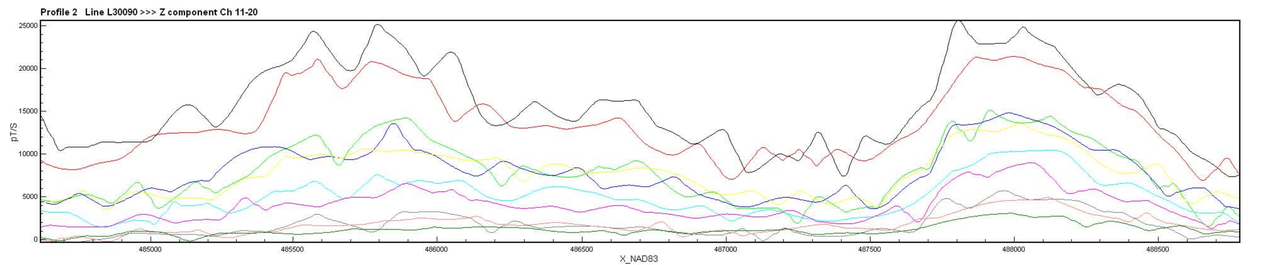
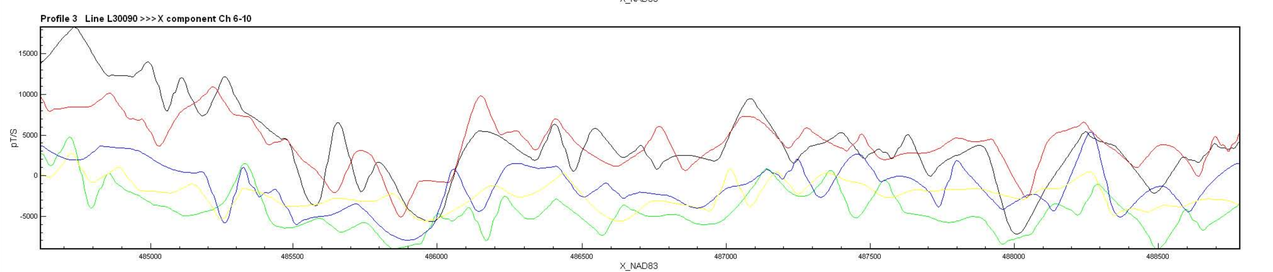
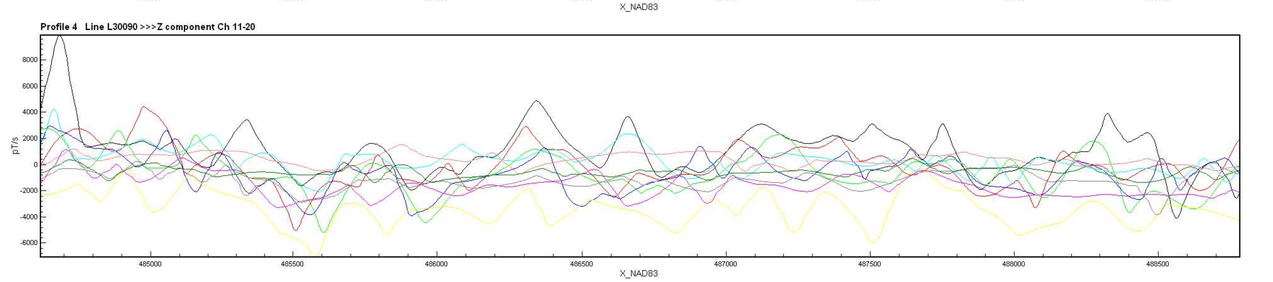
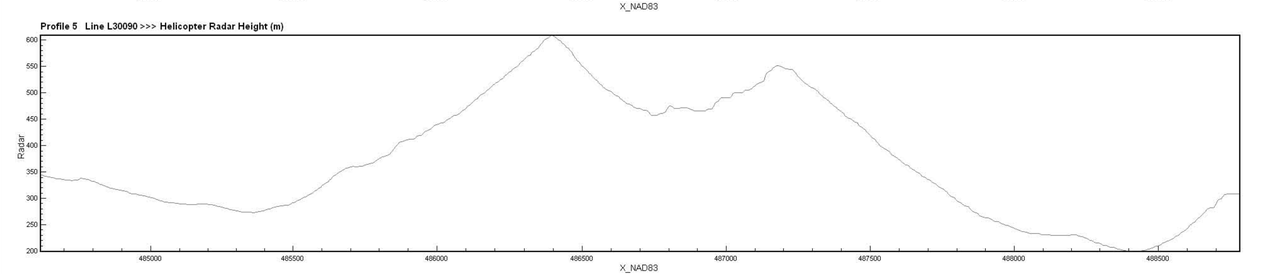
SALMO AREA, BRITISH COLUMBIA











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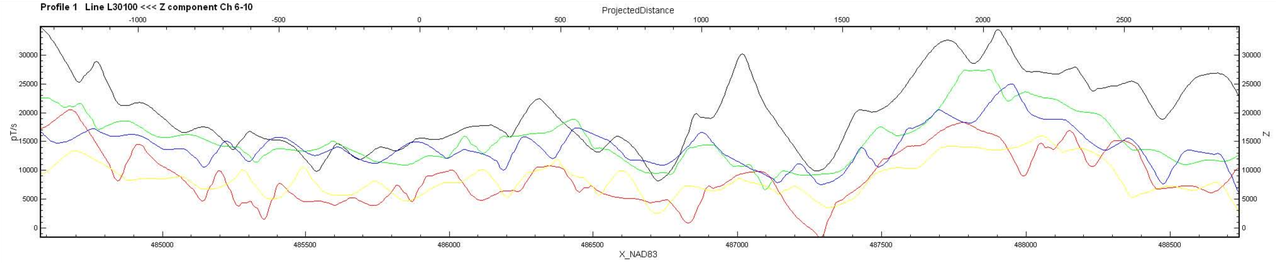
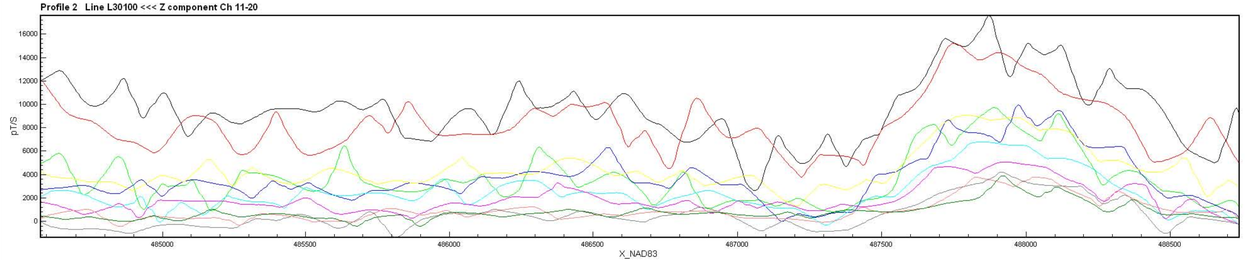
SULTAN MINERALS INC.
HeliGEOTEM ELECTROMAGNETIC SURVEY
X & Z COMPONENT PROFILES

JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA

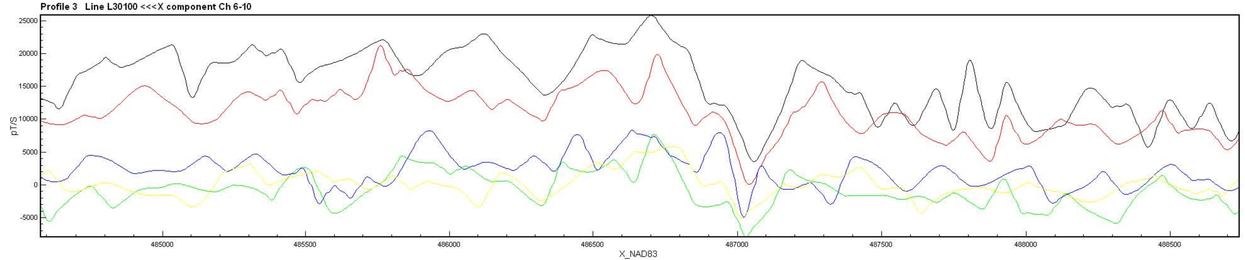
Profile 1 Line L30100 <<< Z component Ch 6-10



Profile 2 Line L30100 <<< Z component Ch 11-20



Profile 3 Line L30100 <<<X component Ch 6-10



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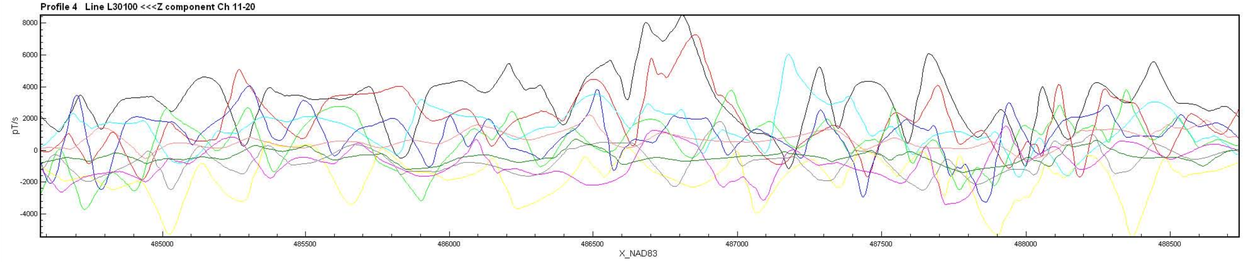
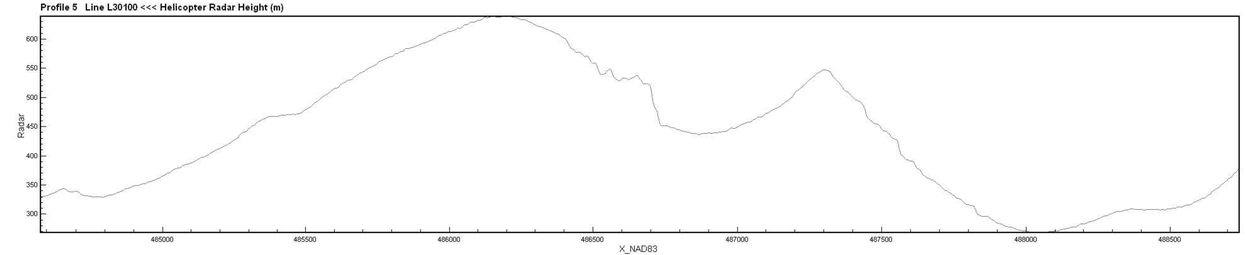


Profile 5 Line L30100 <<< Helicopter Radar Height (m)



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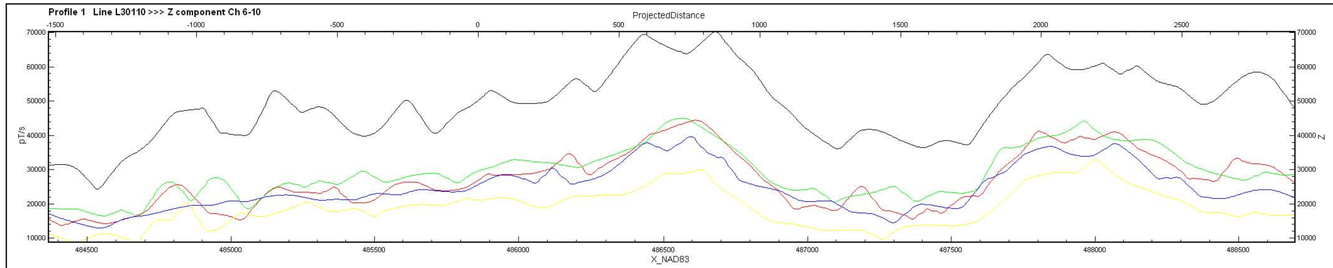

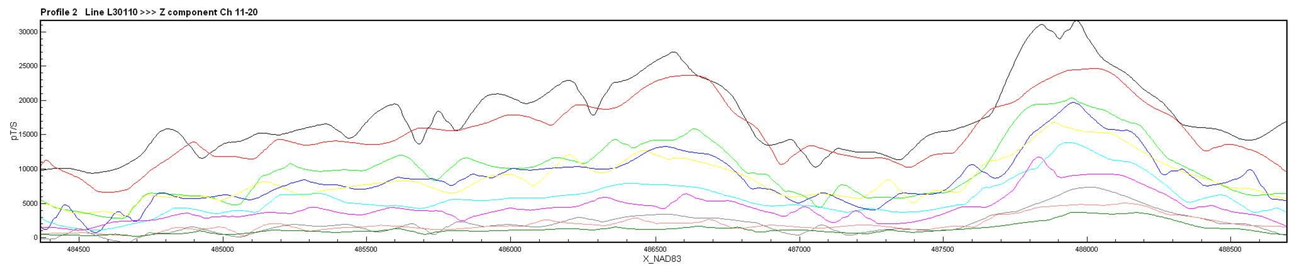

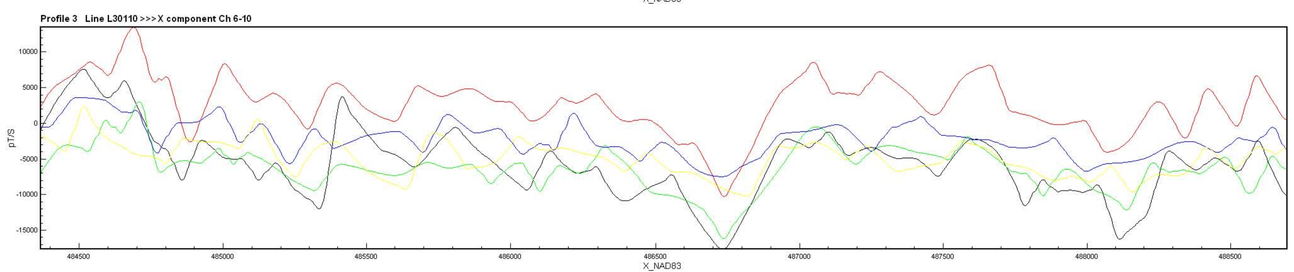

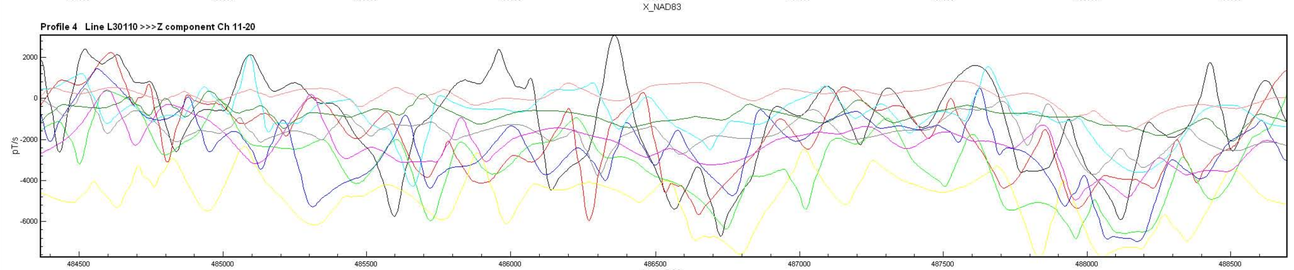

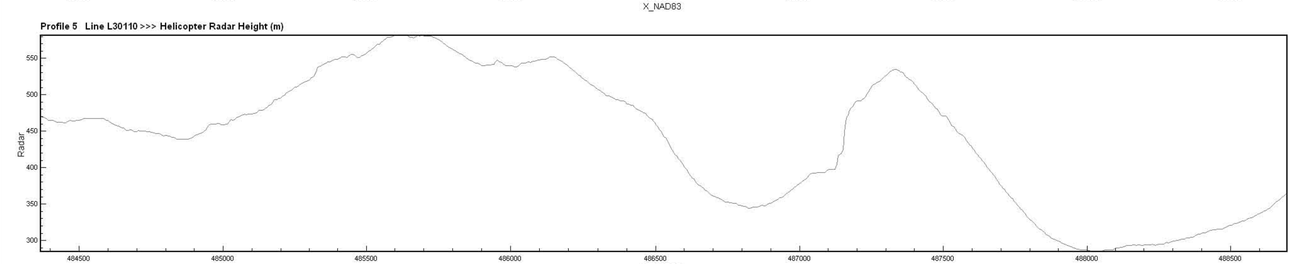

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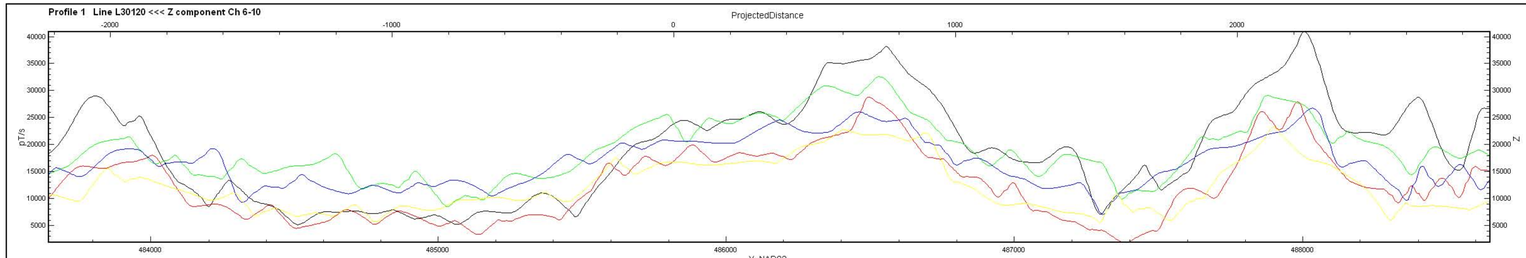

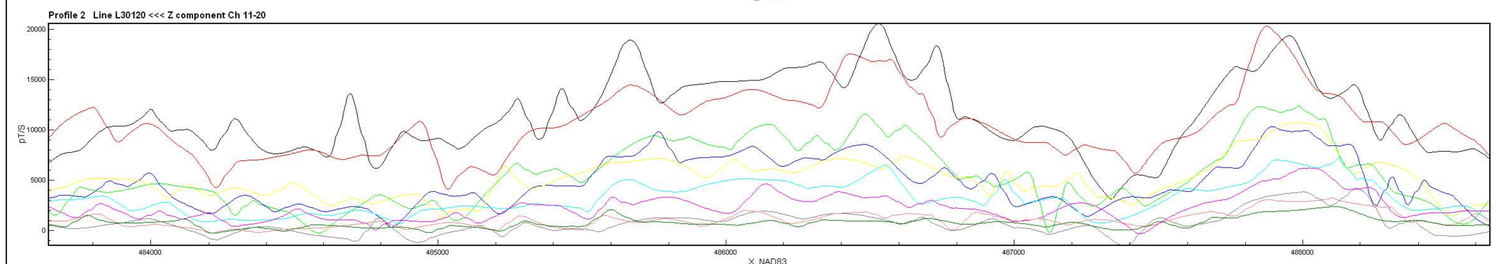

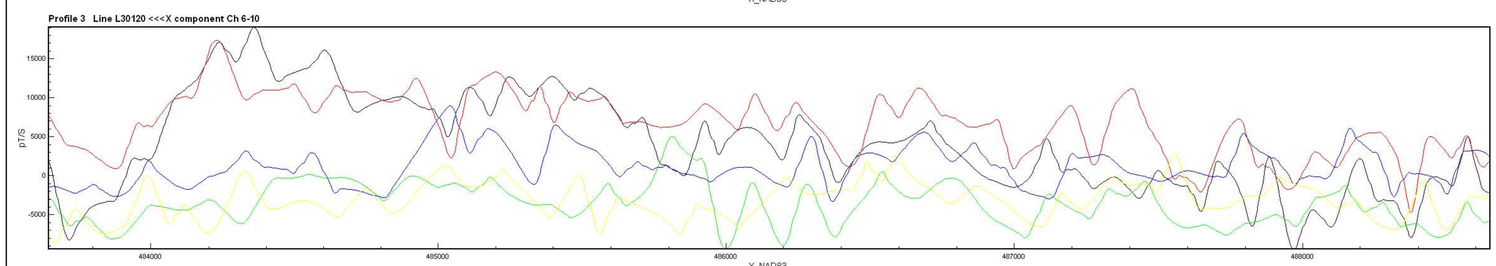

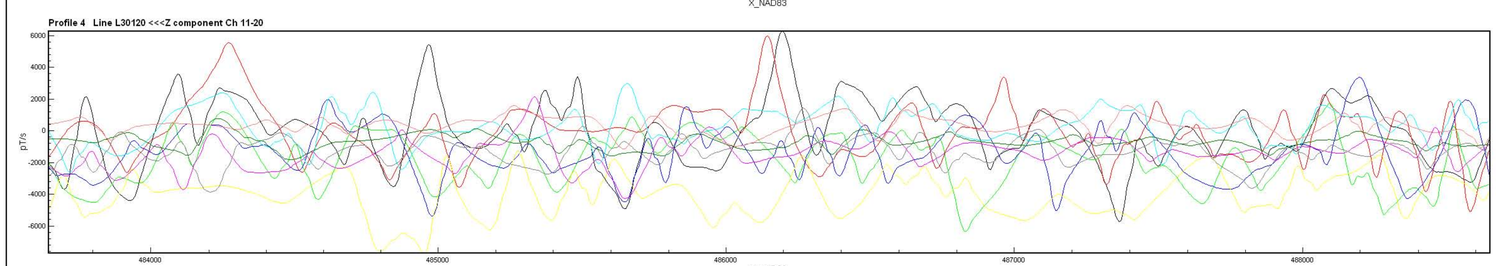

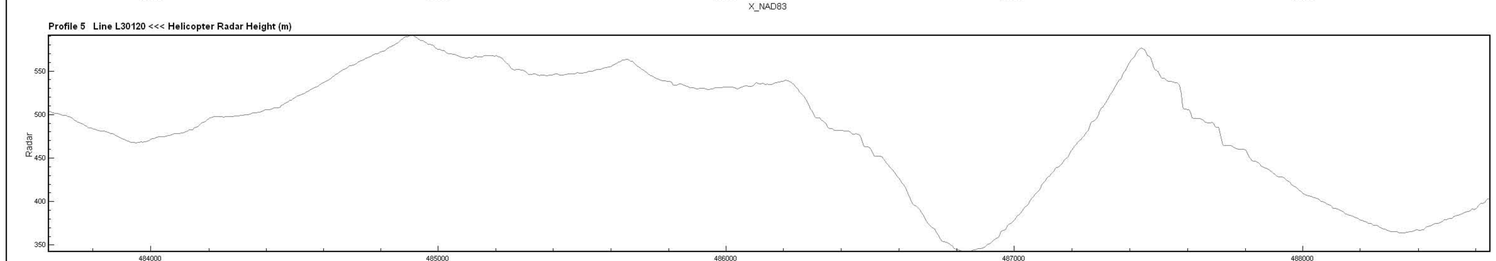

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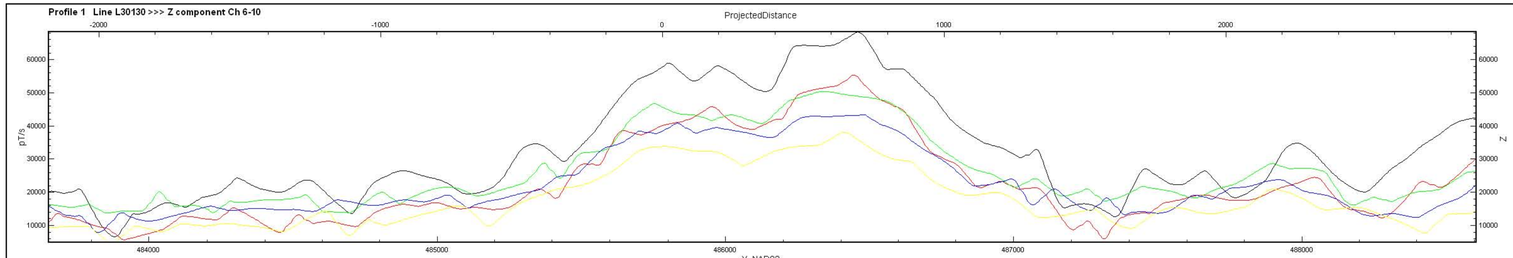

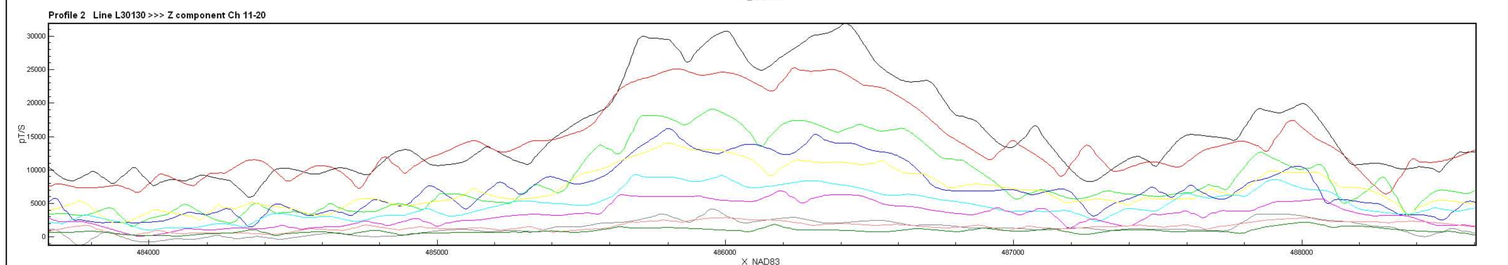

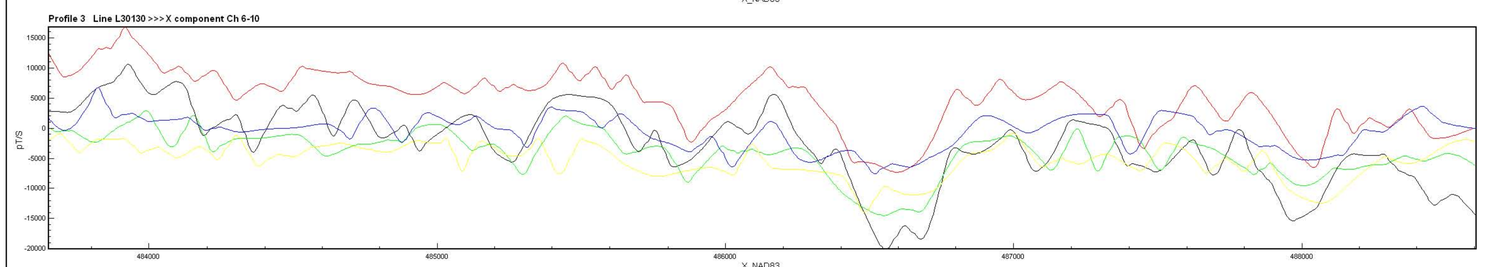

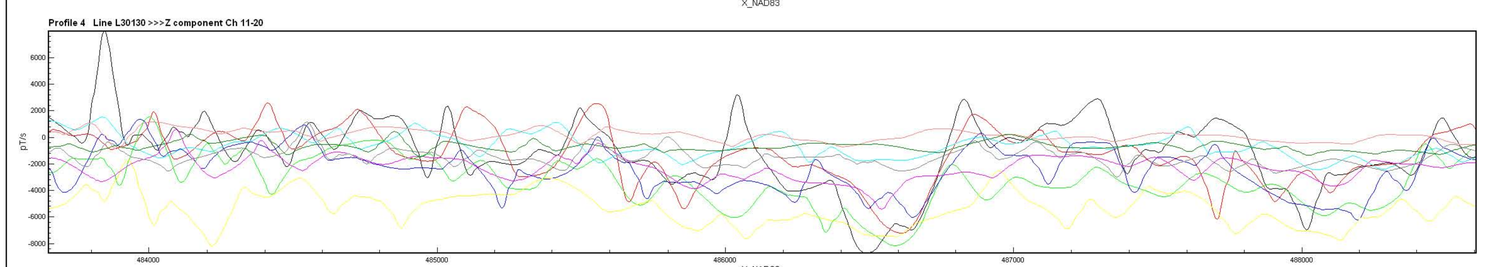

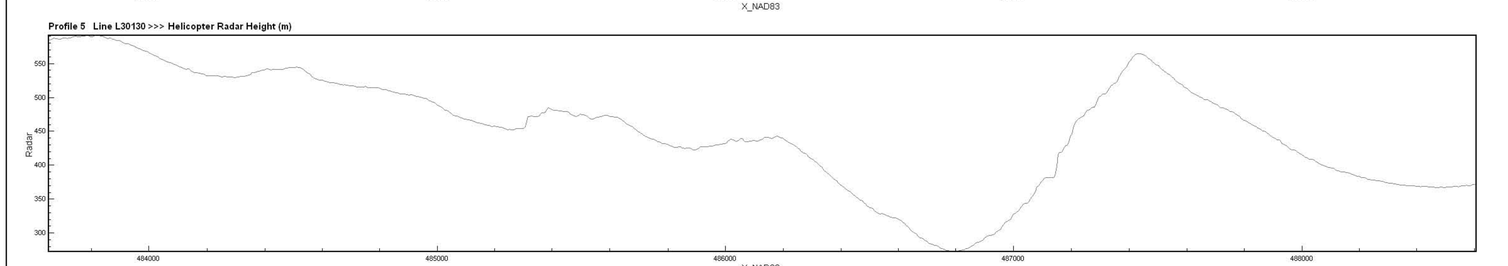

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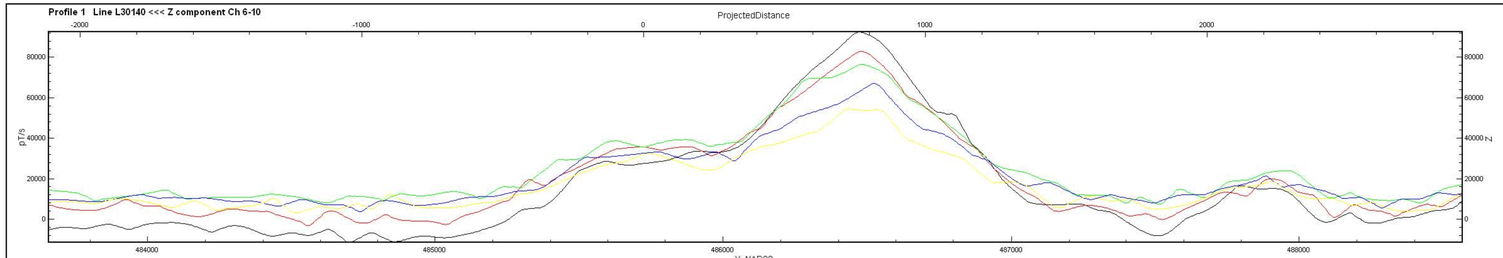
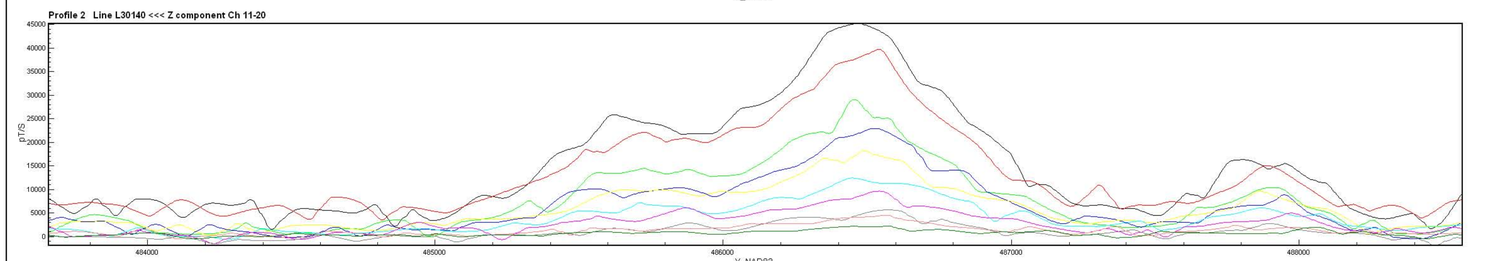
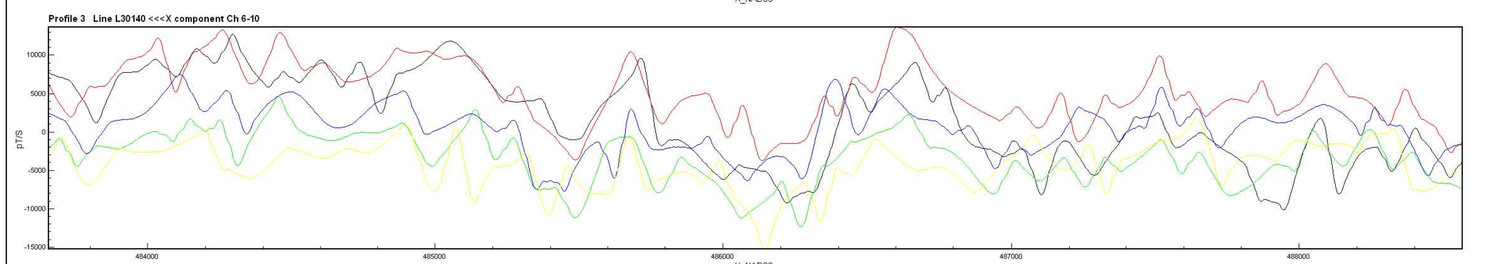
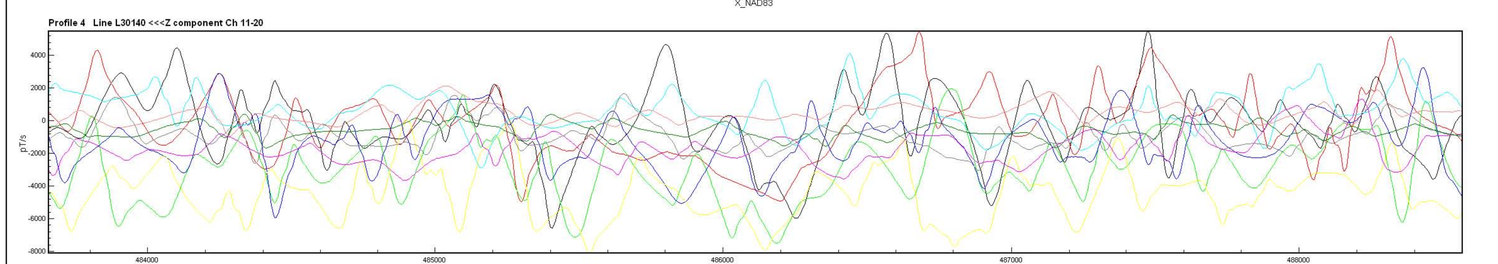
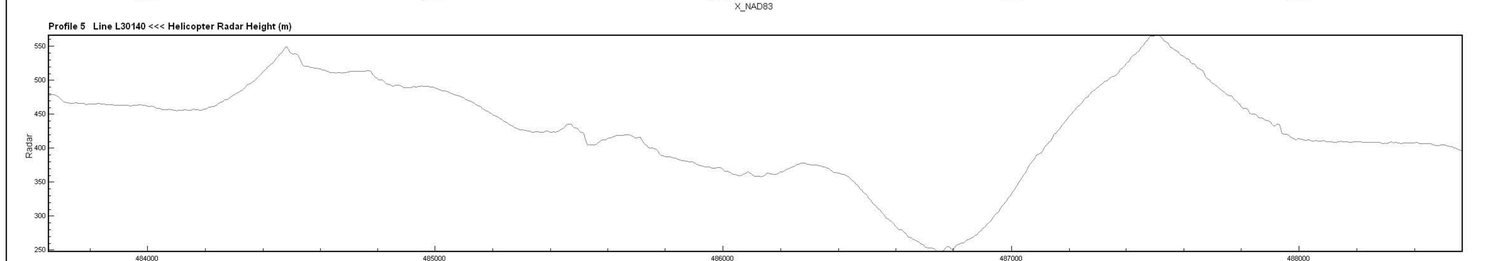
JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA









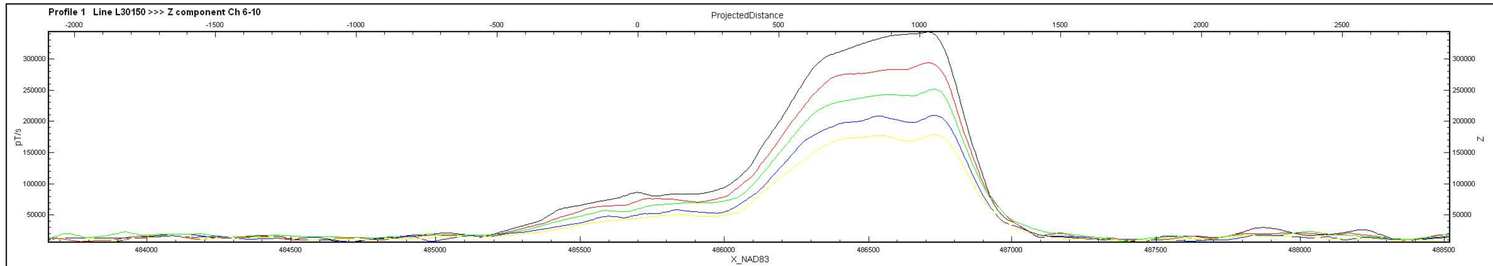


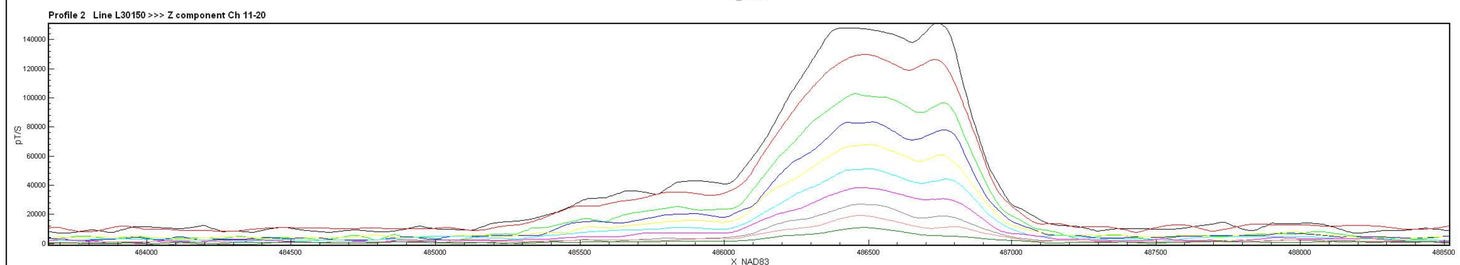
Scale 1 : 10000

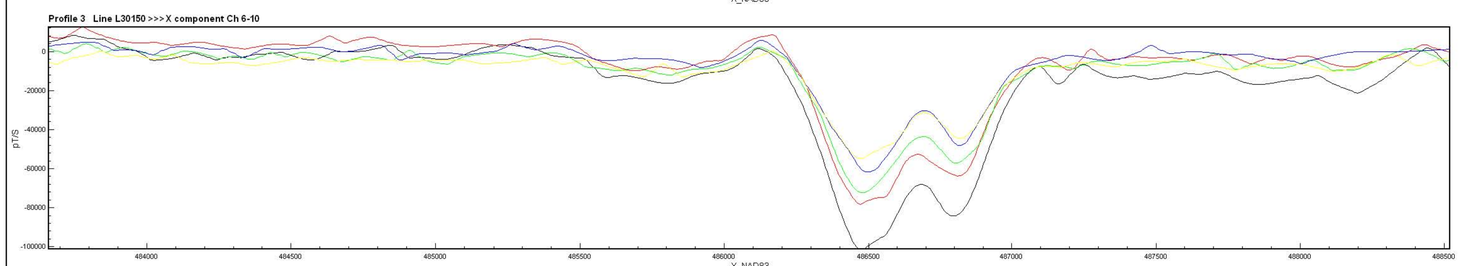
0m 200m 400m 600m 800m 1000m 1100m

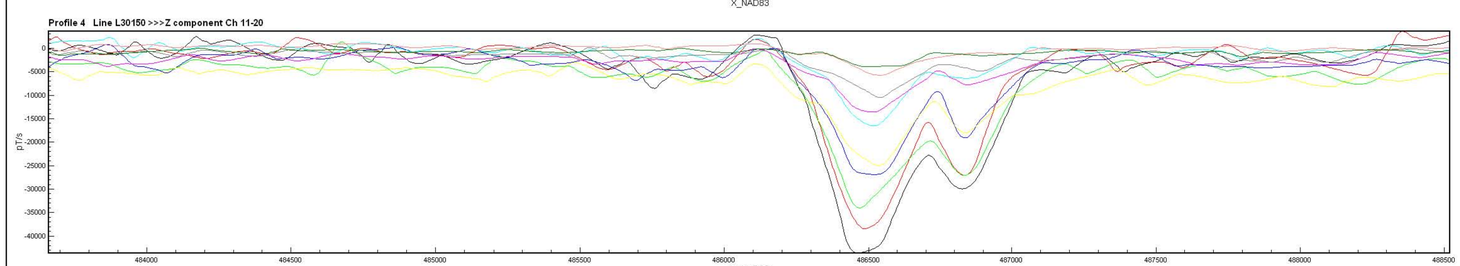
SULTAN MINERALS INC.
HeliGEOTEM ELECTROMAGNETIC SURVEY
X & Z COMPONENT PROFILES

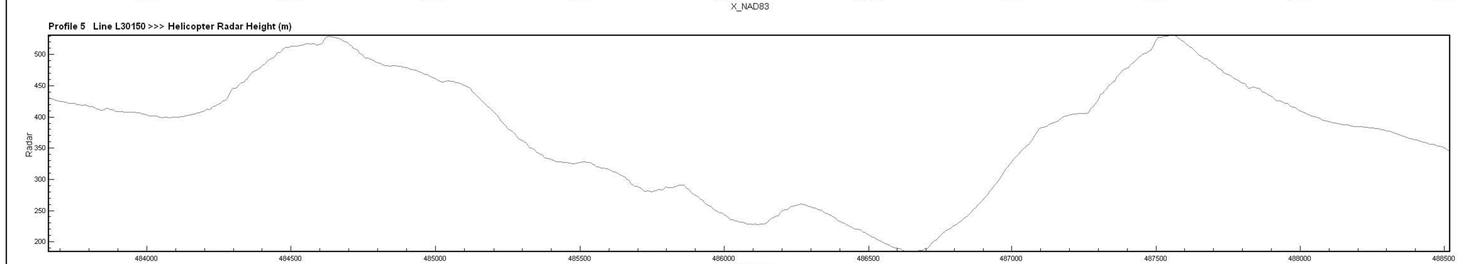
JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA











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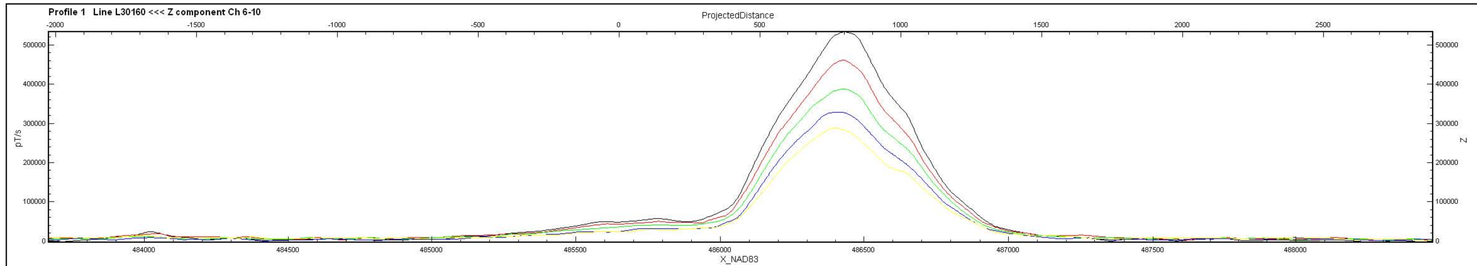

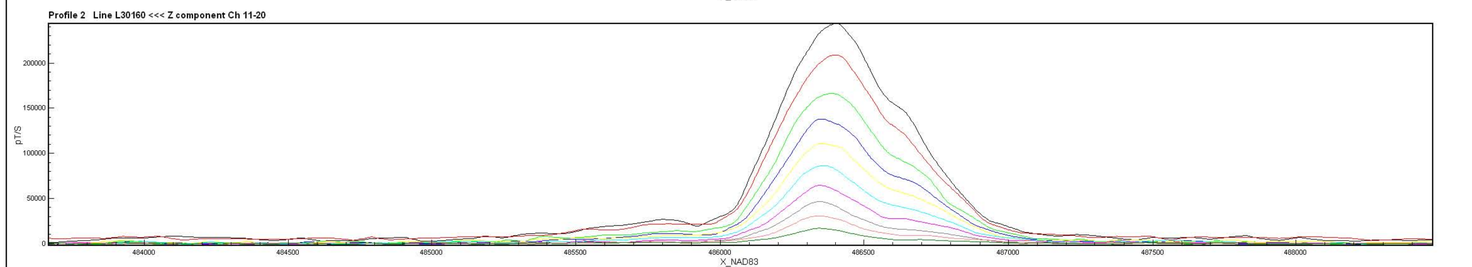

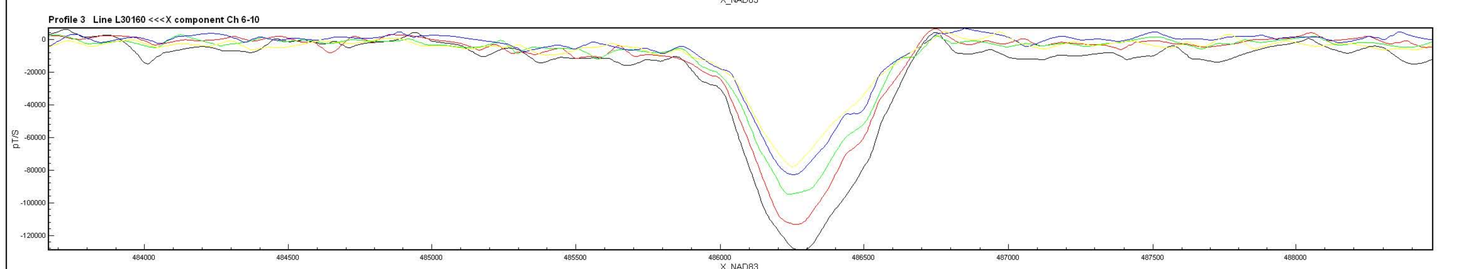

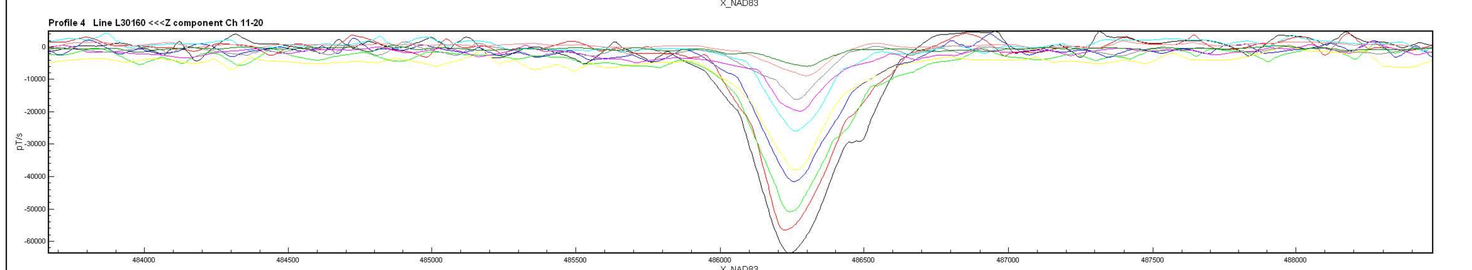

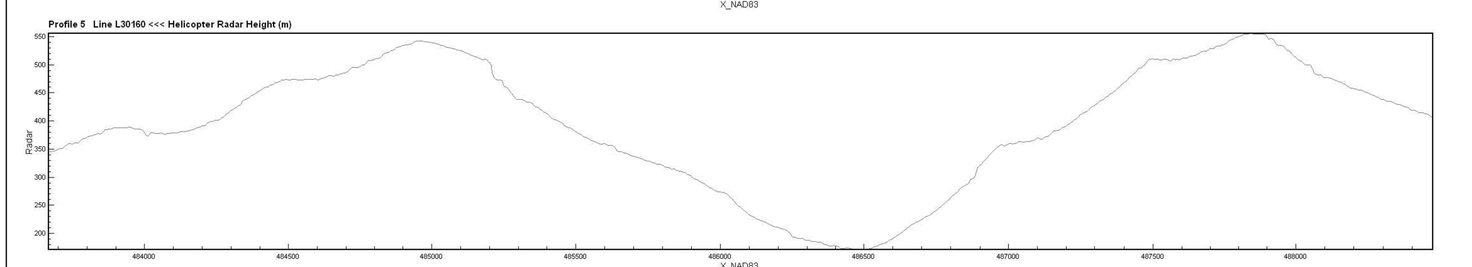

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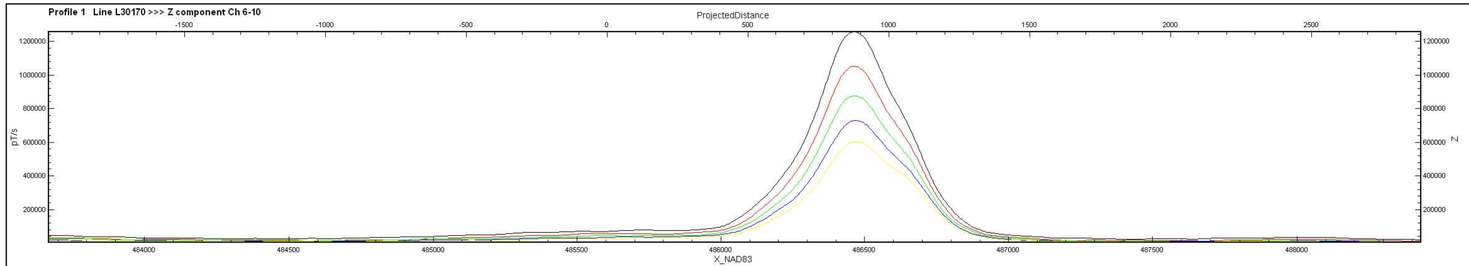

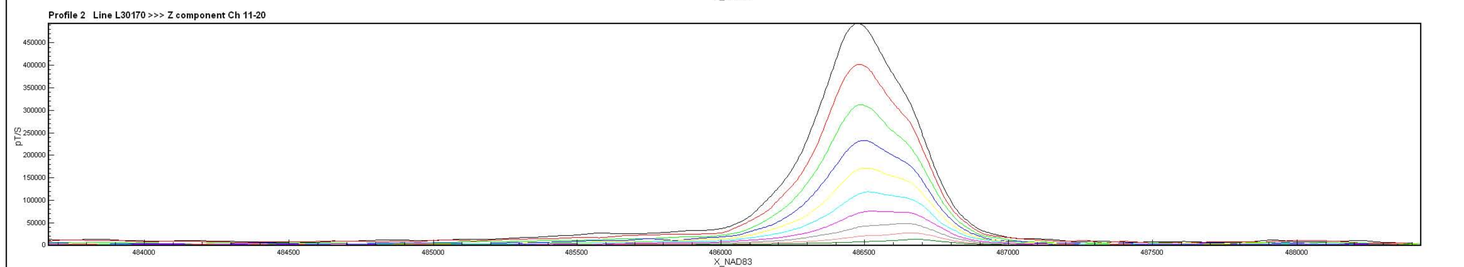

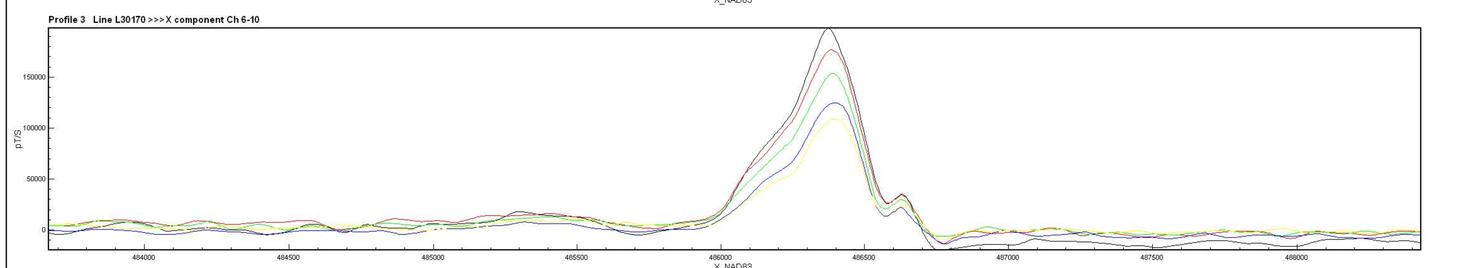

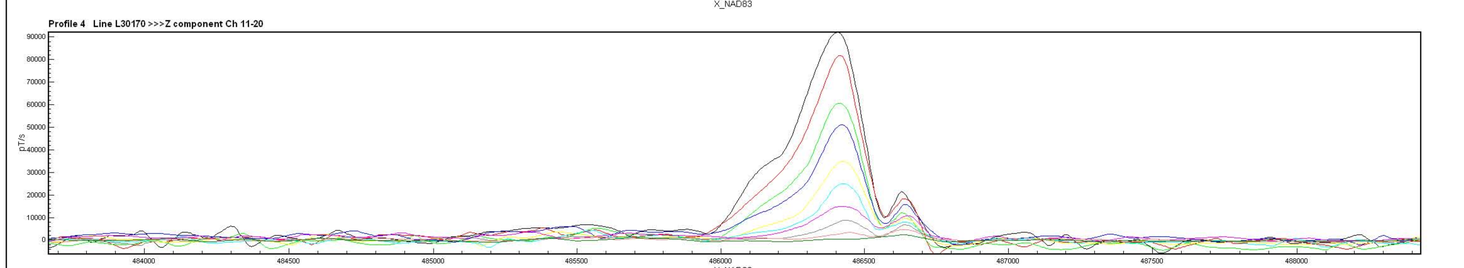

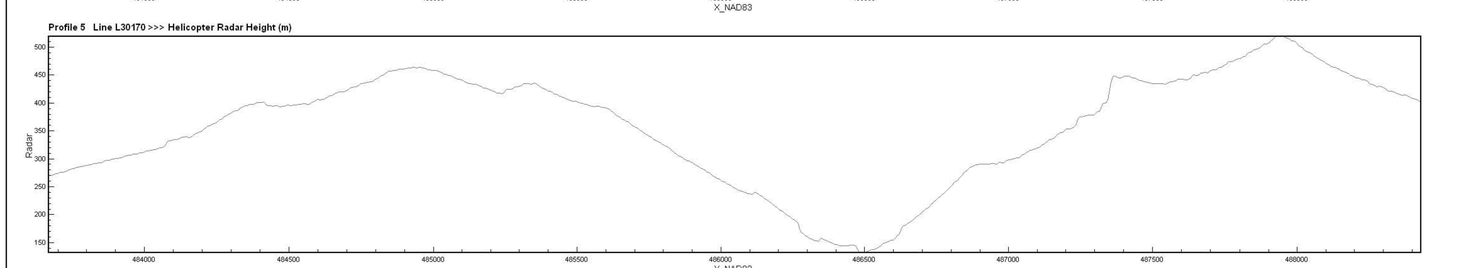

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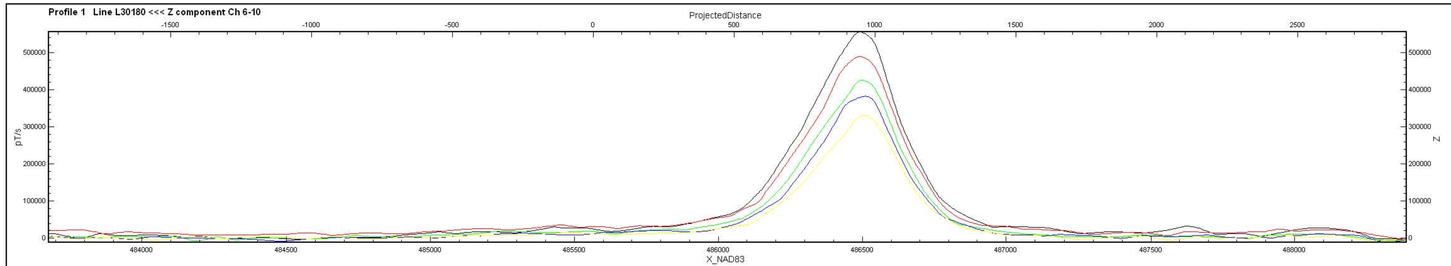
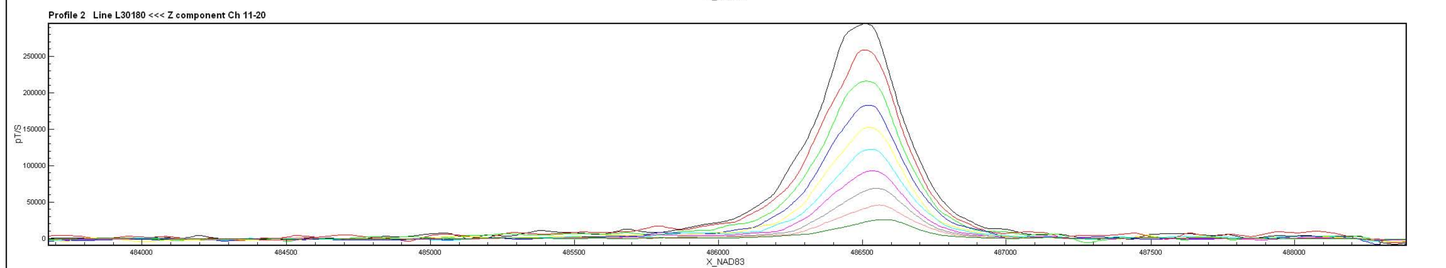
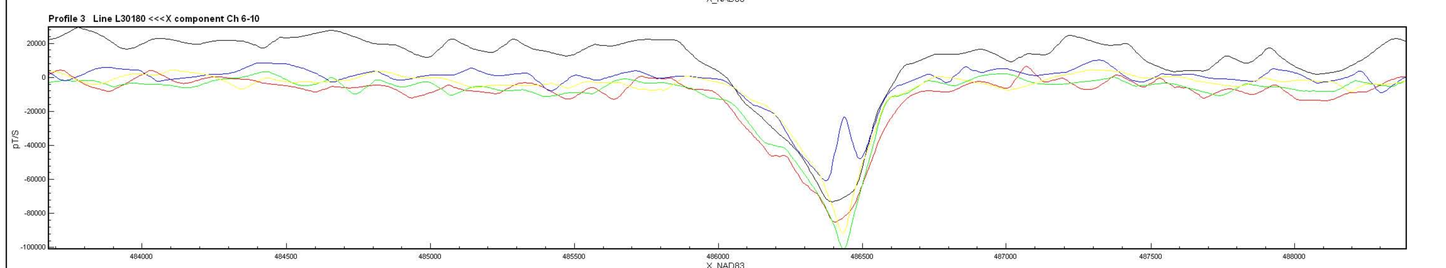
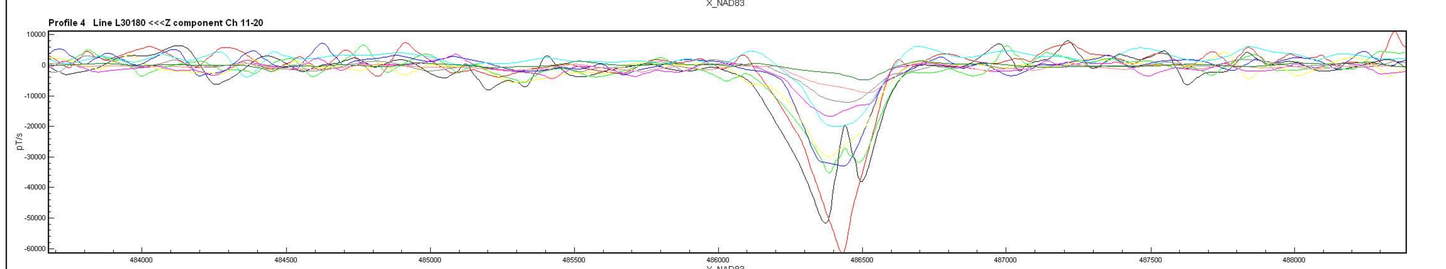
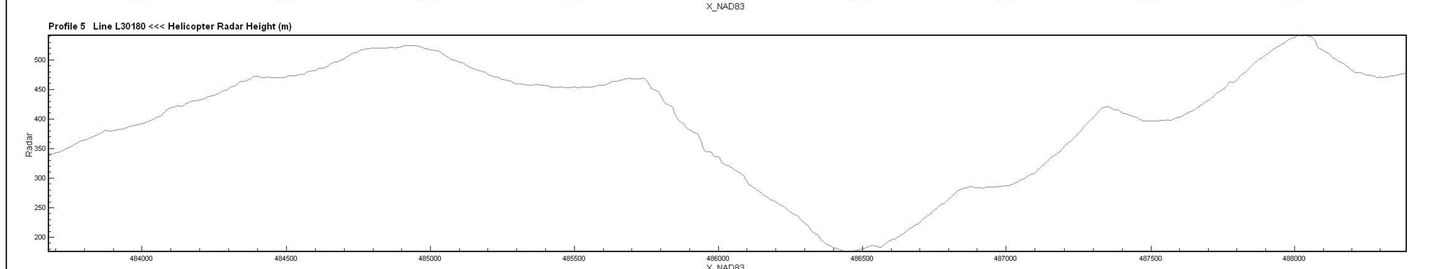
JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA











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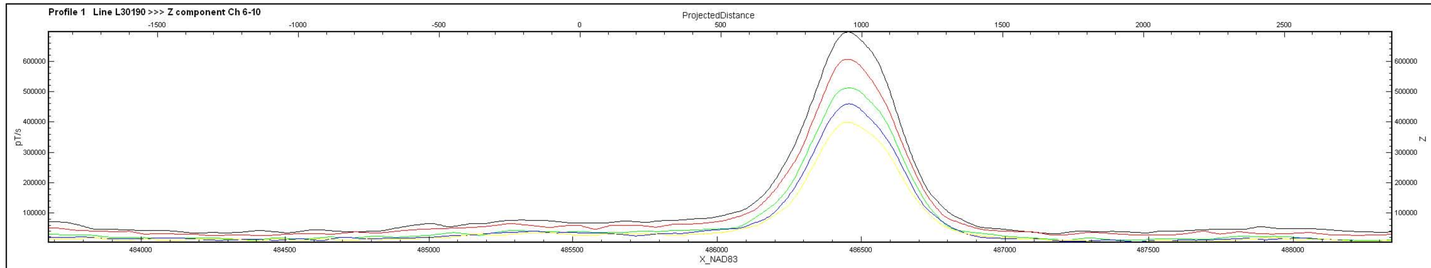

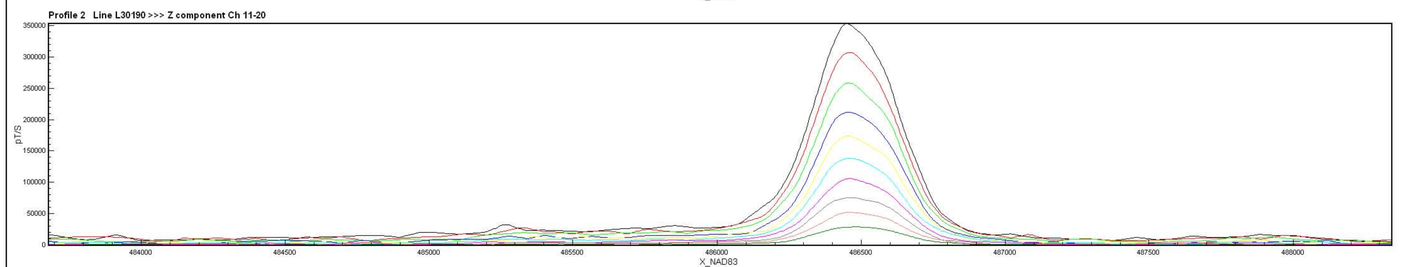

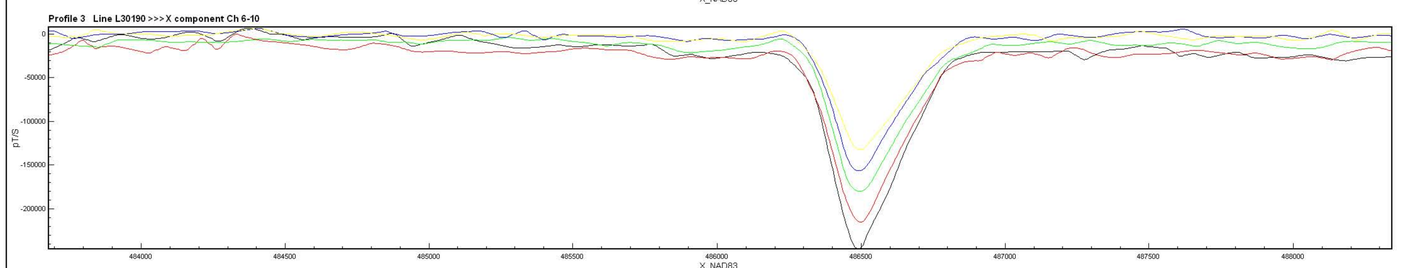

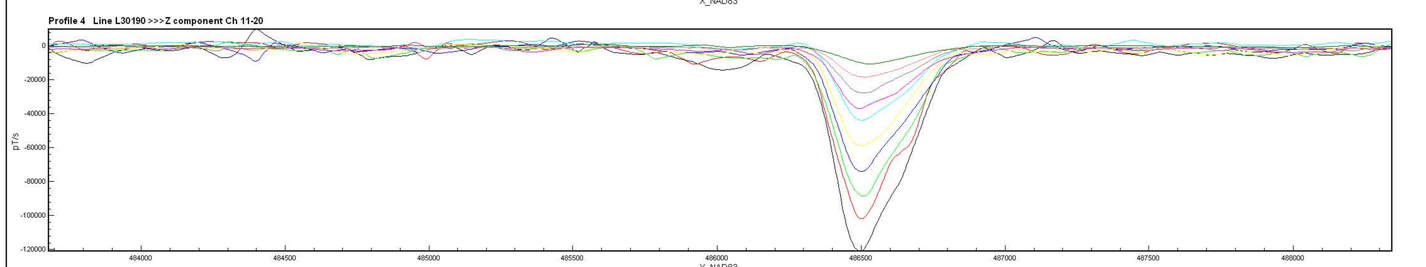

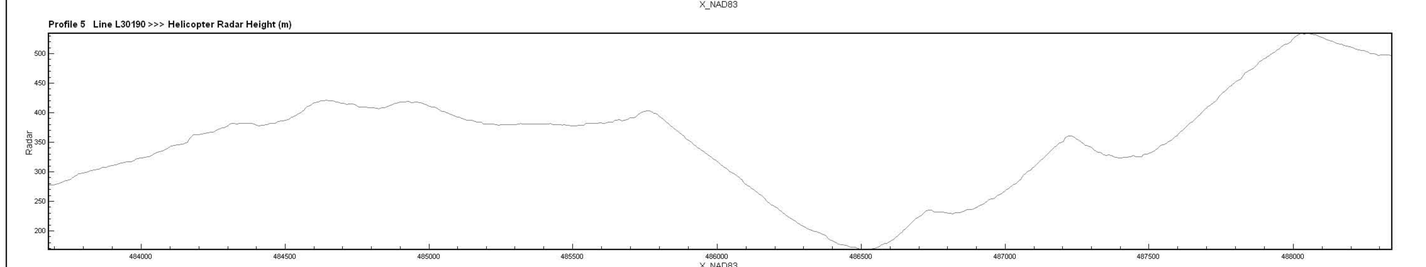

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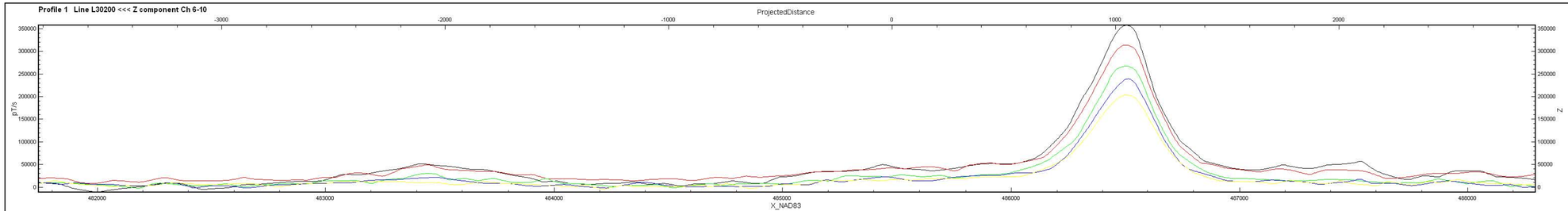

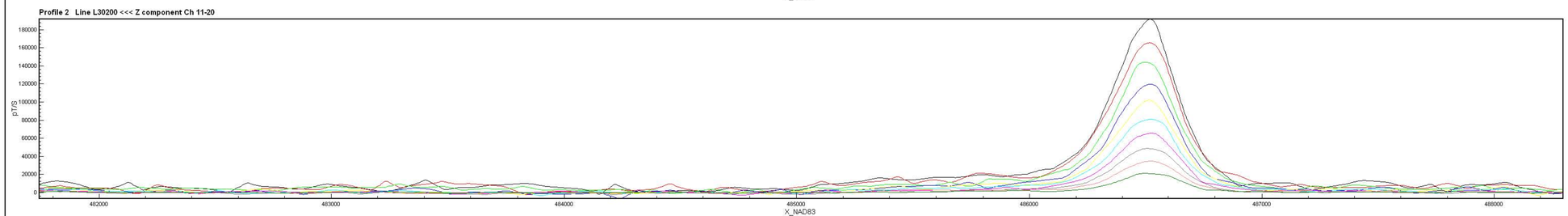

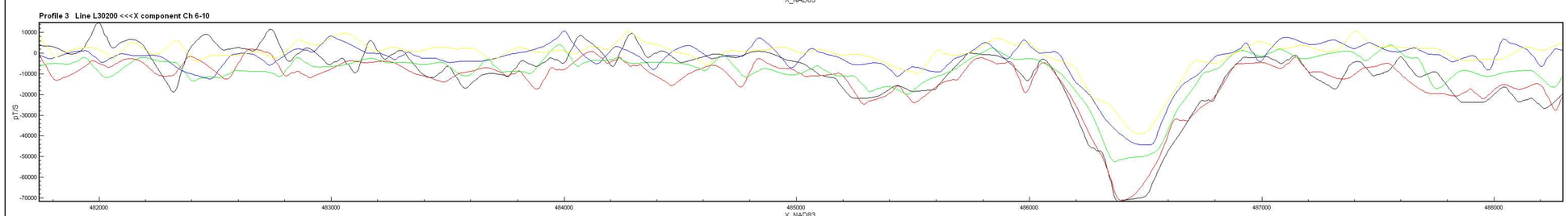

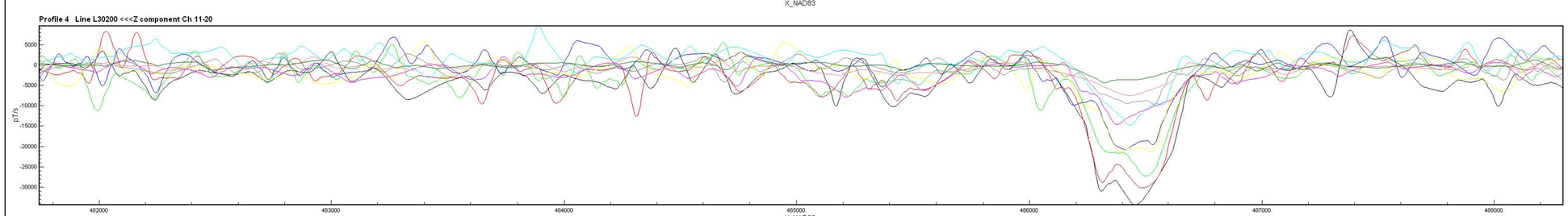

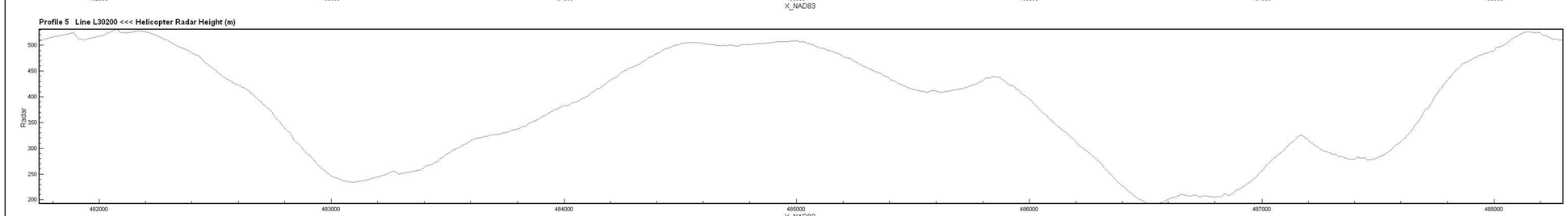

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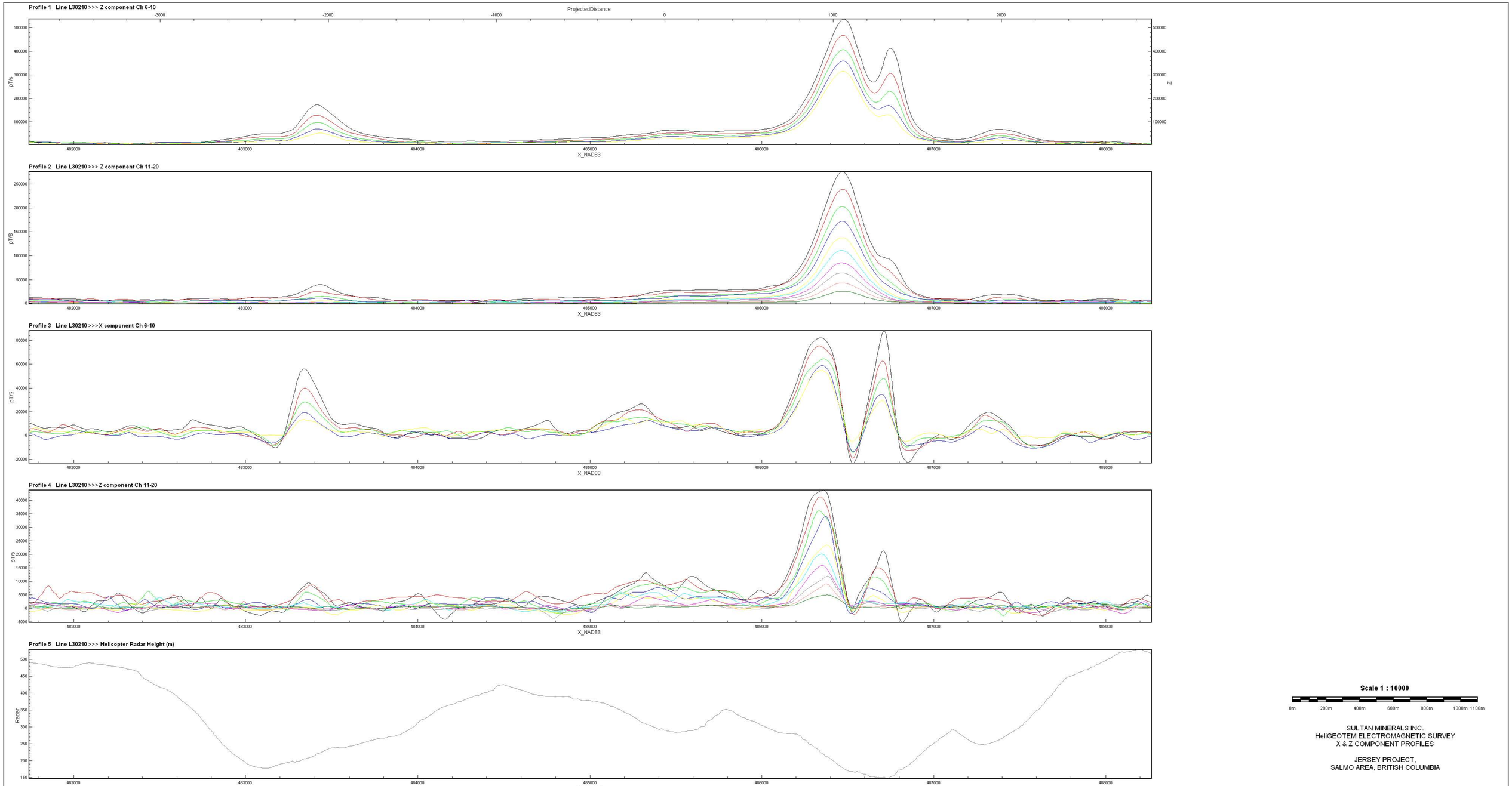
HeliGEOTEM ELECTROMAGNETIC SURVEY
X & Z COMPONENT PROFILES

JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA



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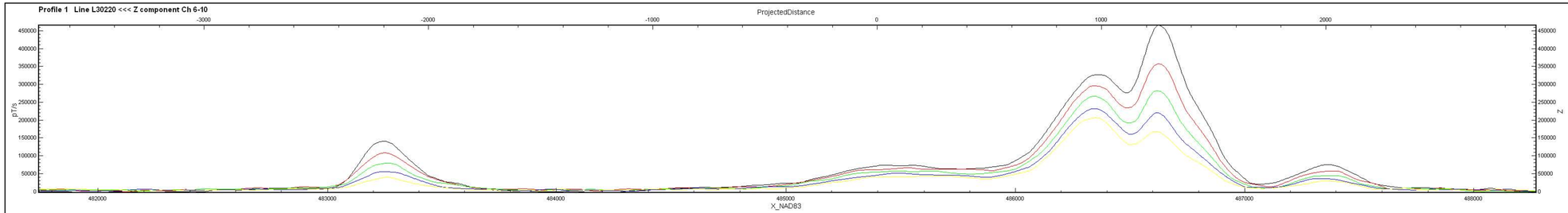

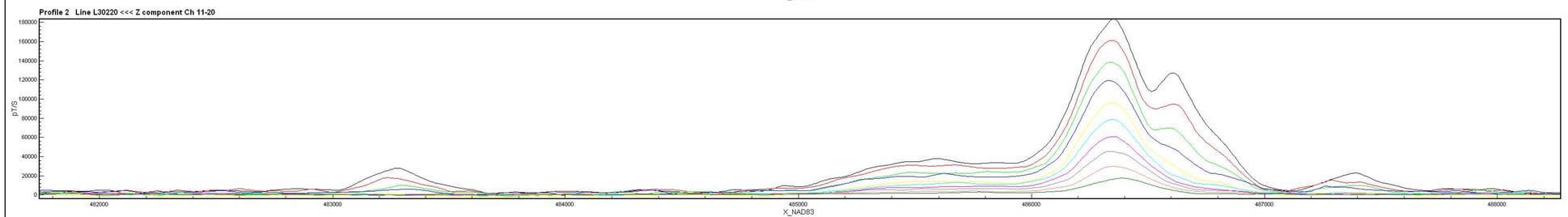

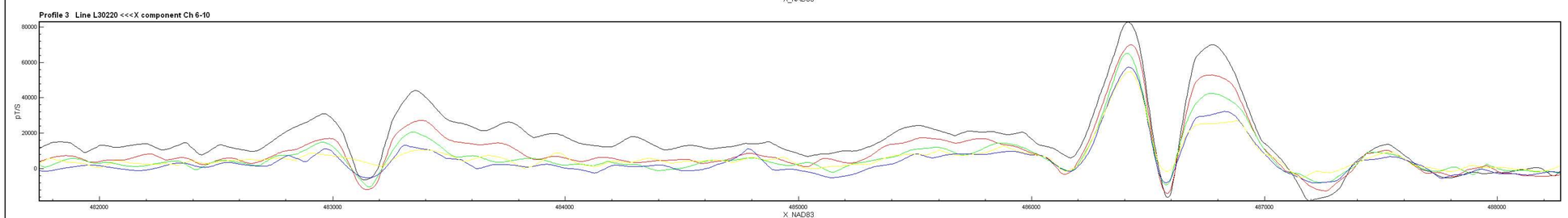

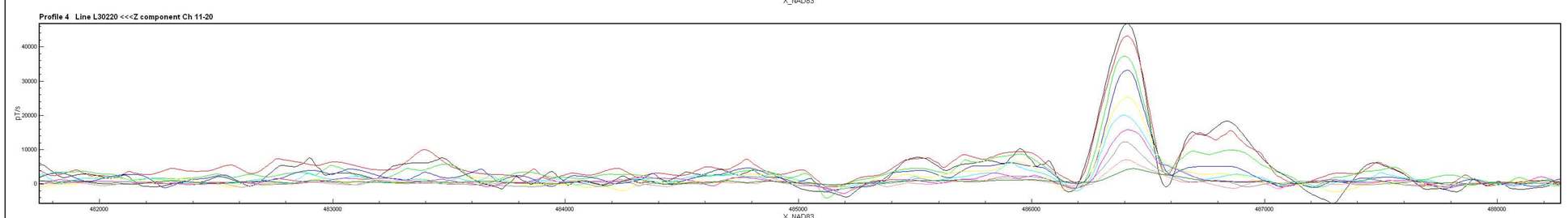

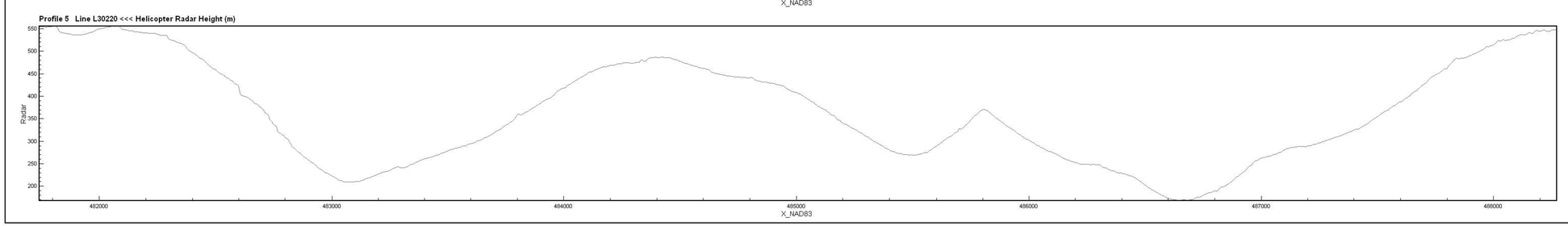

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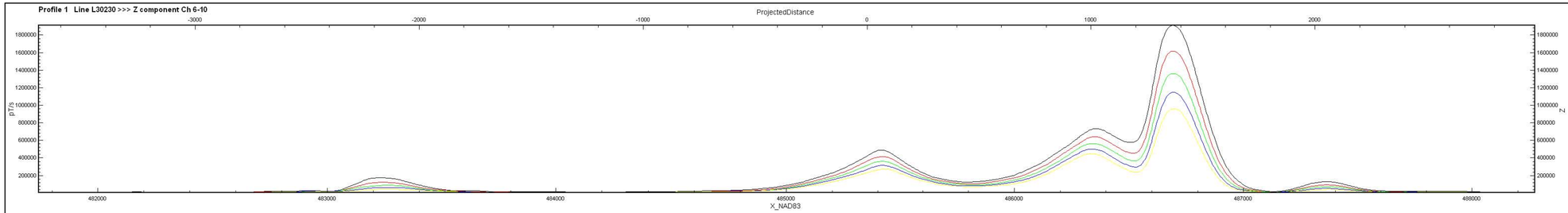

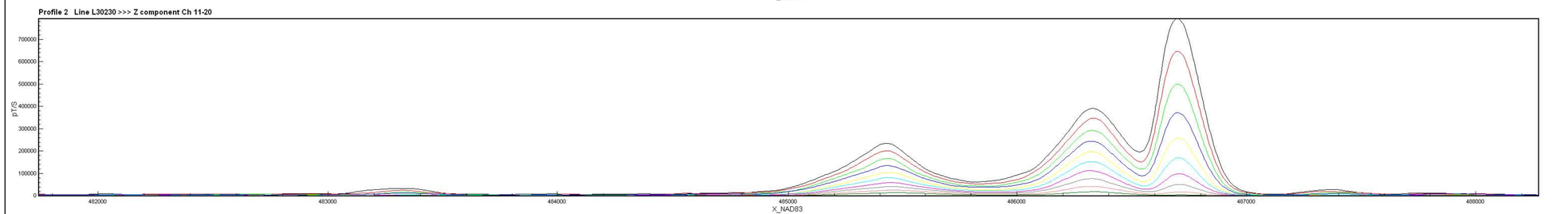

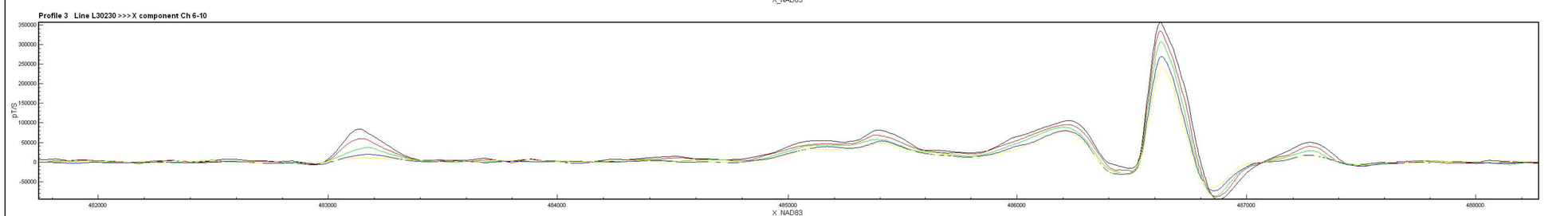

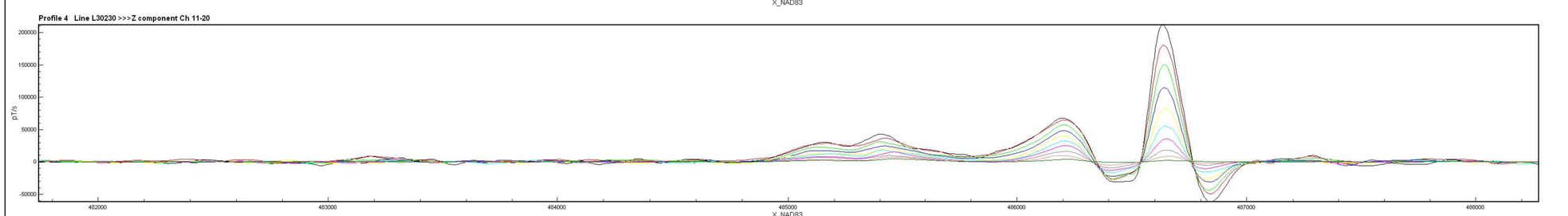

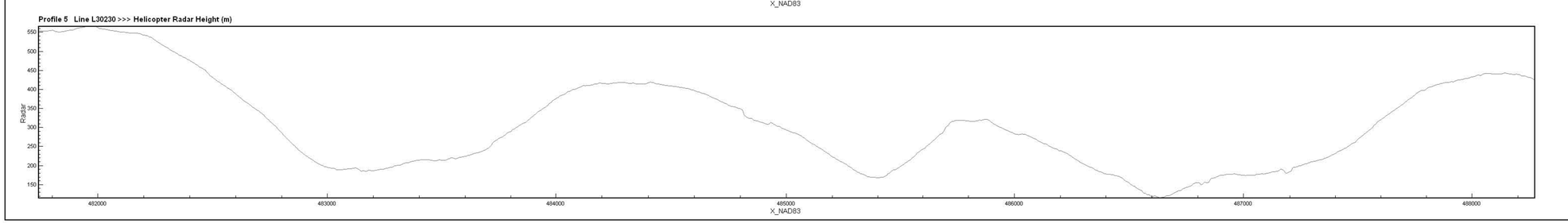

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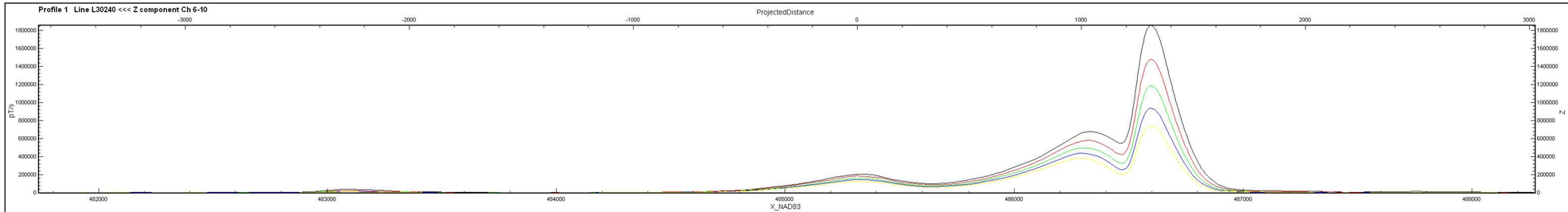

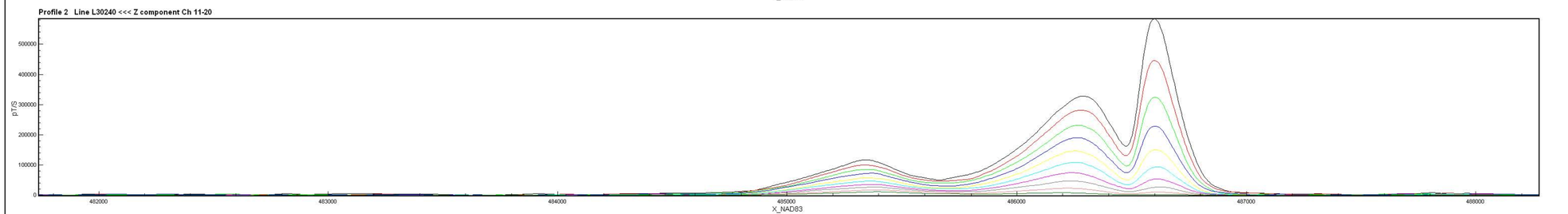

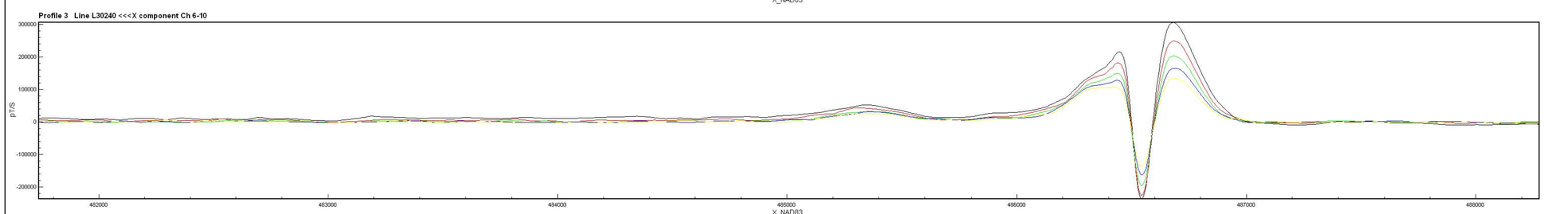

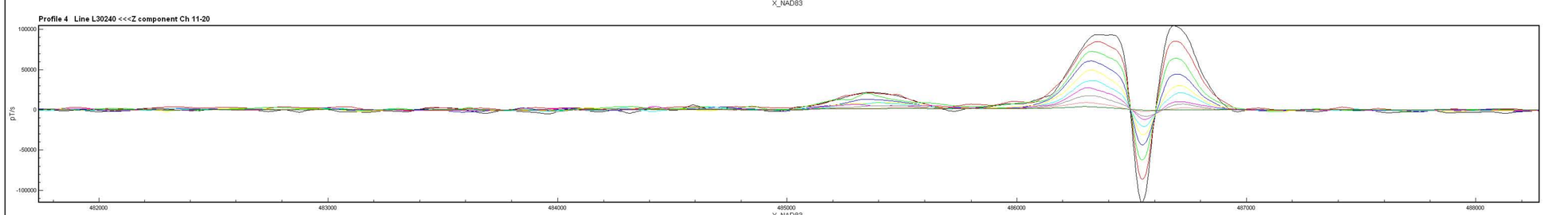

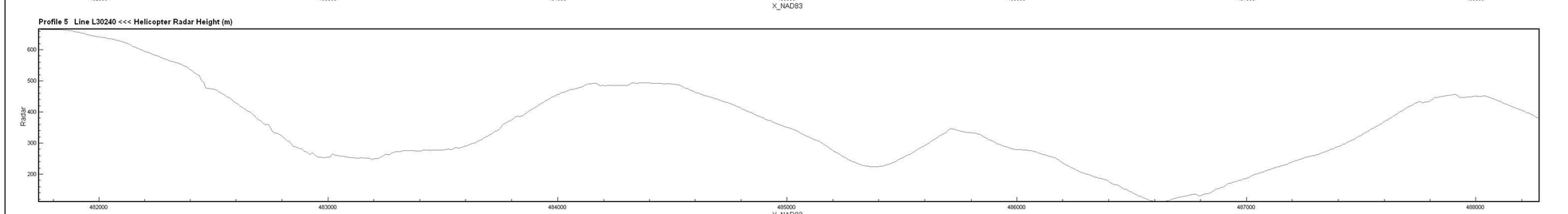

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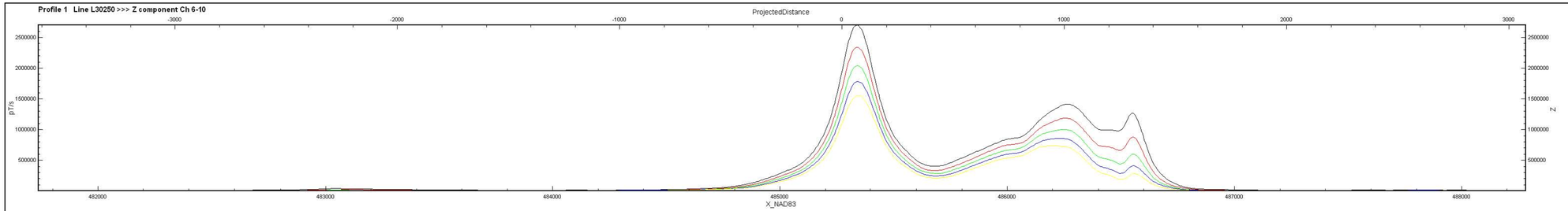
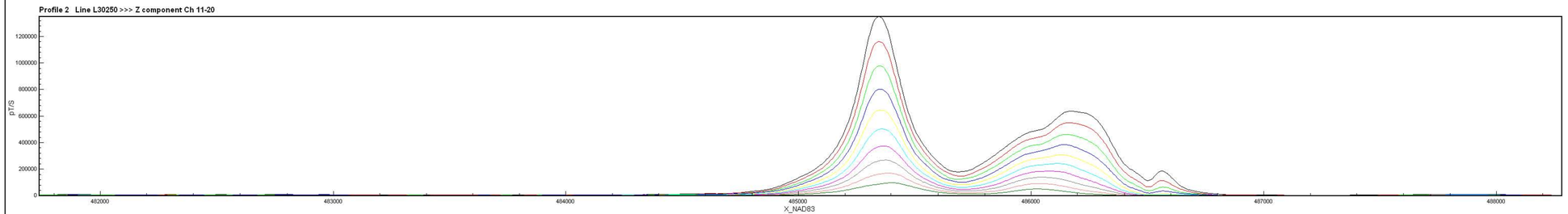
JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA

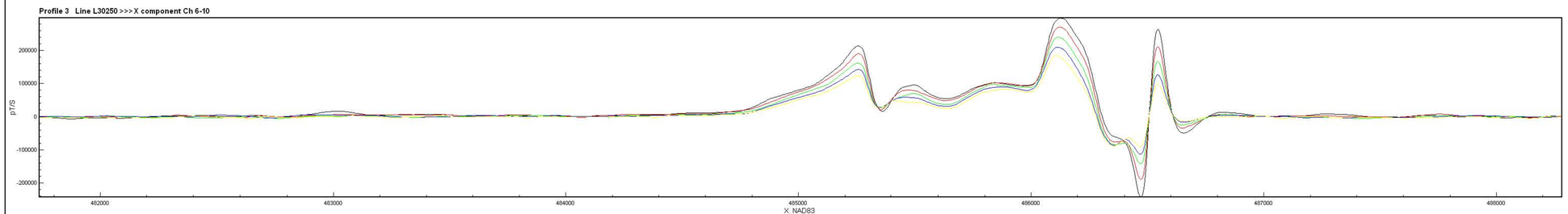
Profile 1 Line L30250 >>> Z component Ch 6-10



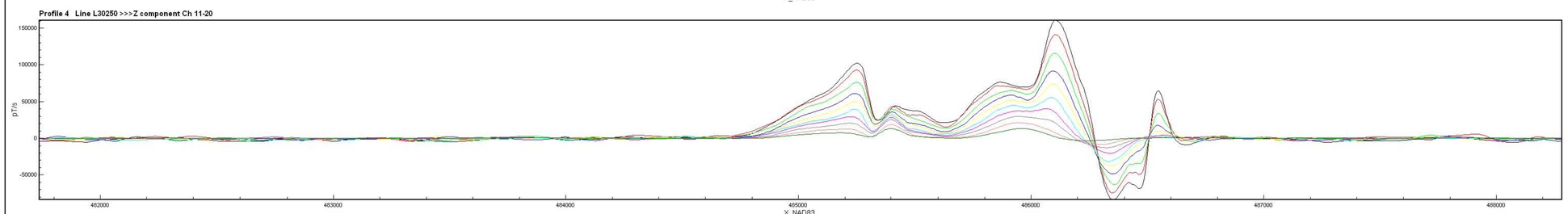
Profile 2 Line L30250 >>> Z component Ch 11-20



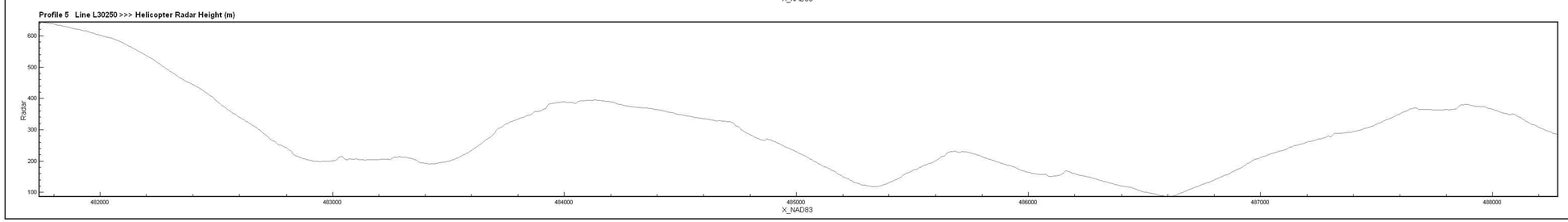
Profile 3 Line L30250 >>> X component Ch 6-10



Profile 4 Line L30250 >>> Z component Ch 11-20



Profile 5 Line L30250 >>> Helicopter Radar Height (m)

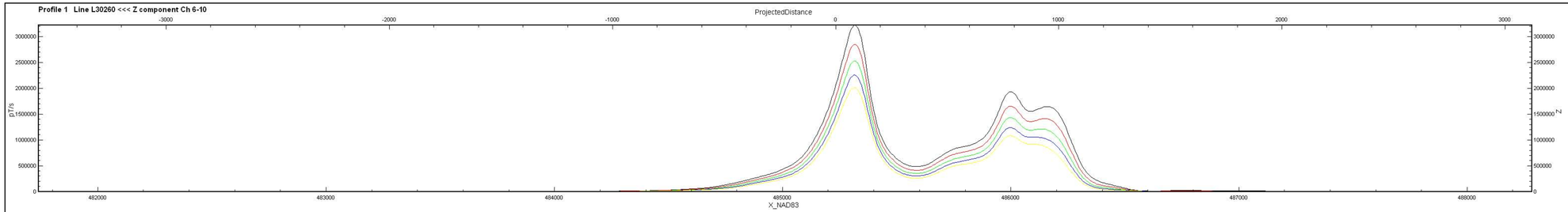


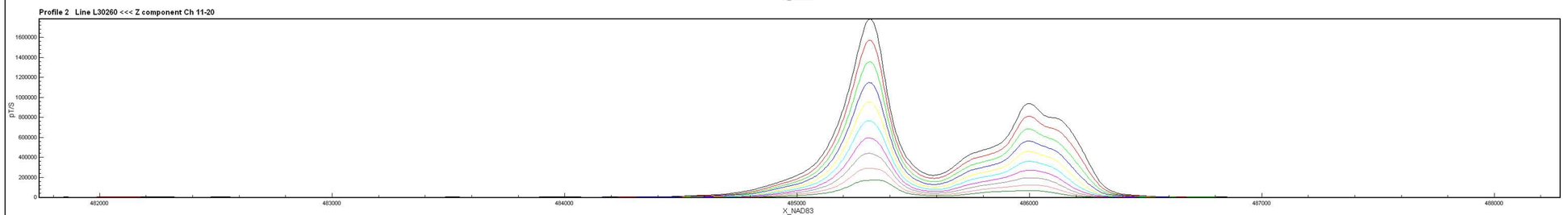
Scale 1 : 10000

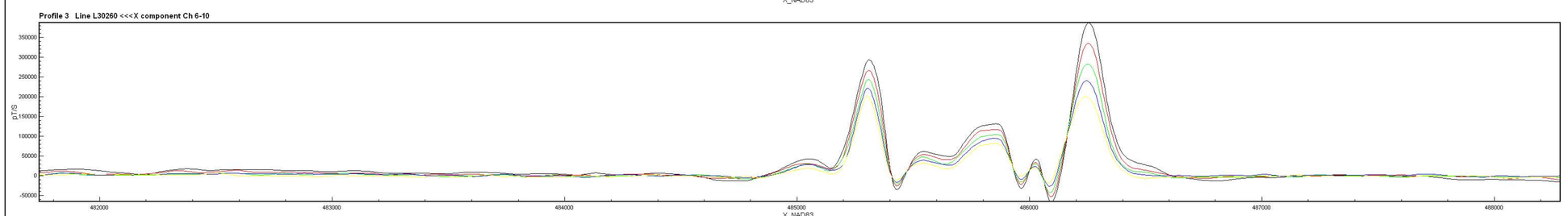
0m 200m 400m 600m 800m 1000m 1100m

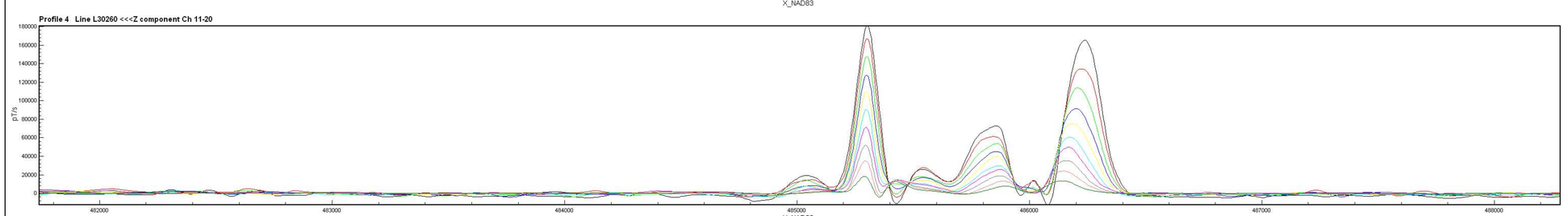
SULTAN MINERALS INC.
HeliGEOTEM ELECTROMAGNETIC SURVEY
X & Z COMPONENT PROFILES

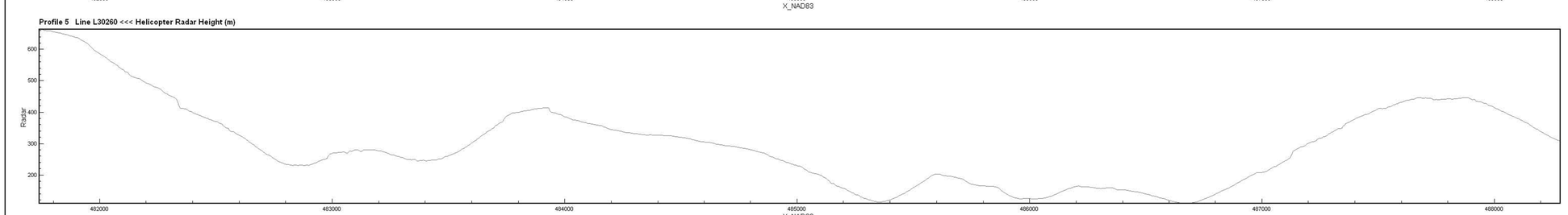
JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA











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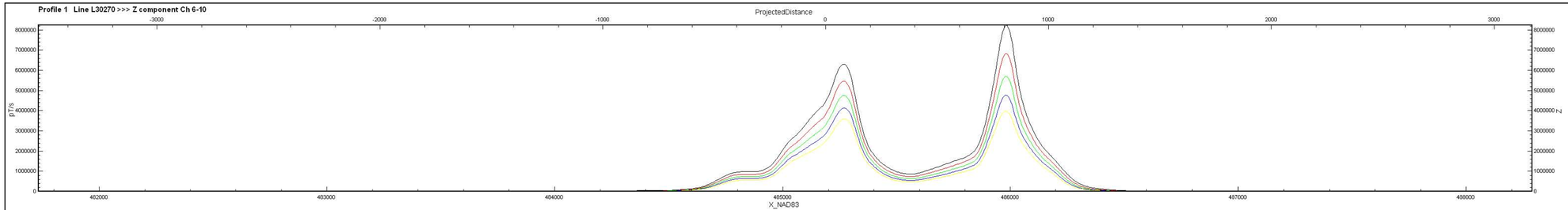

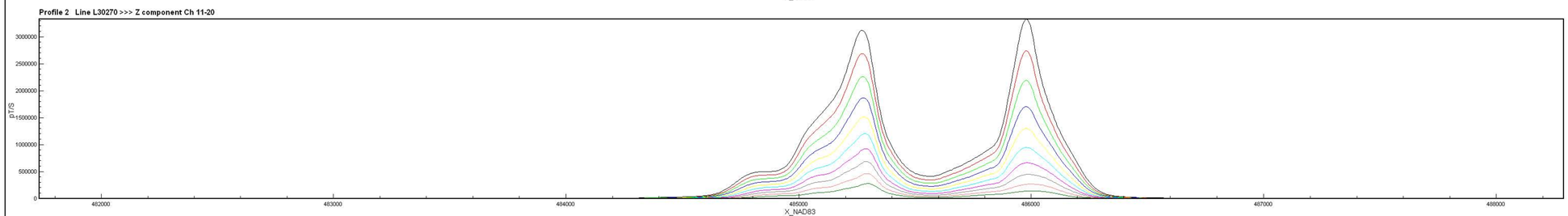

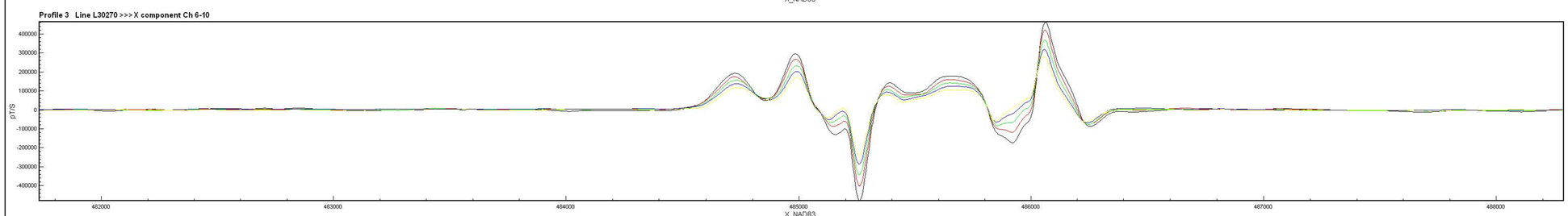

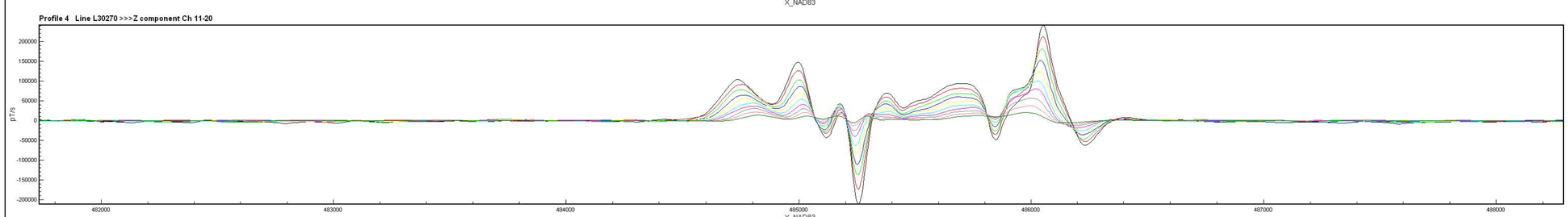

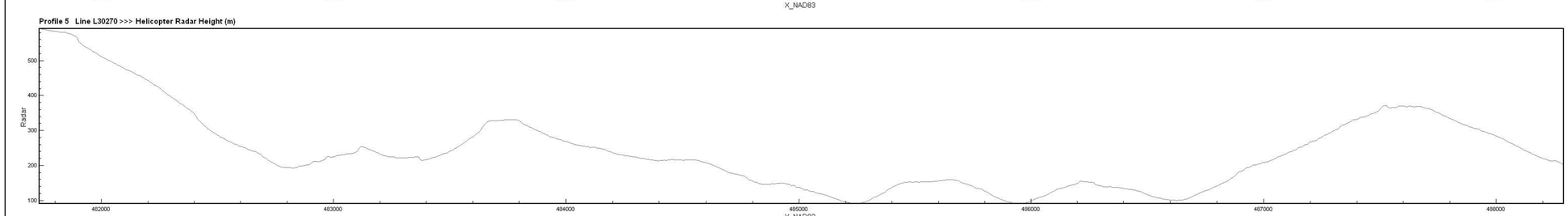

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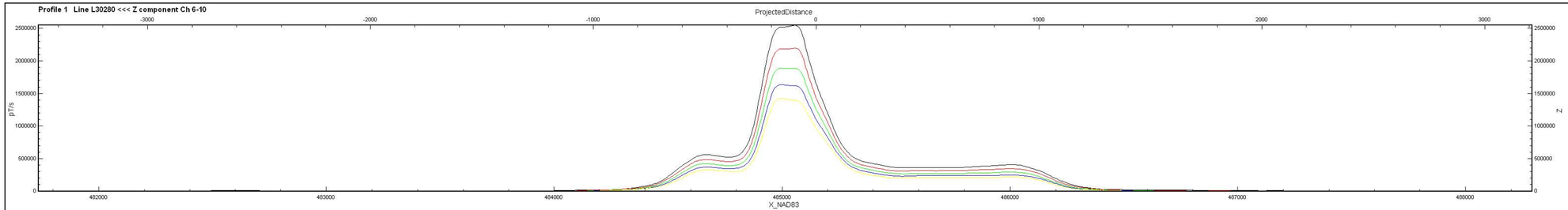

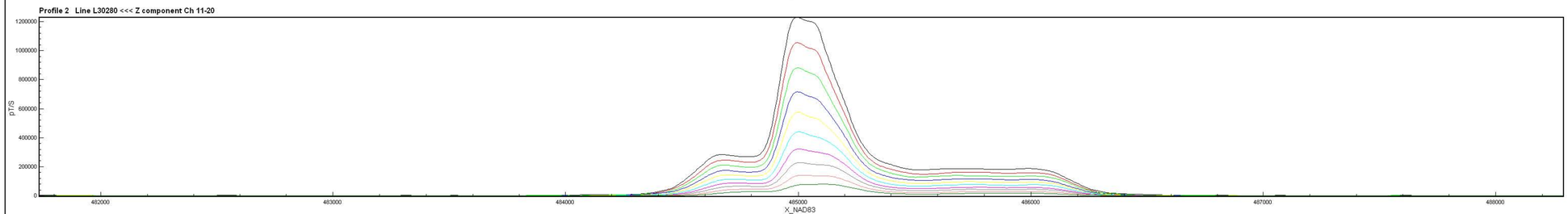

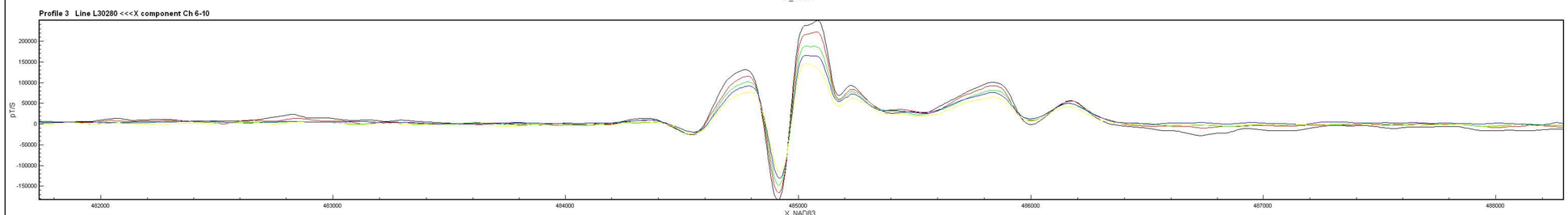

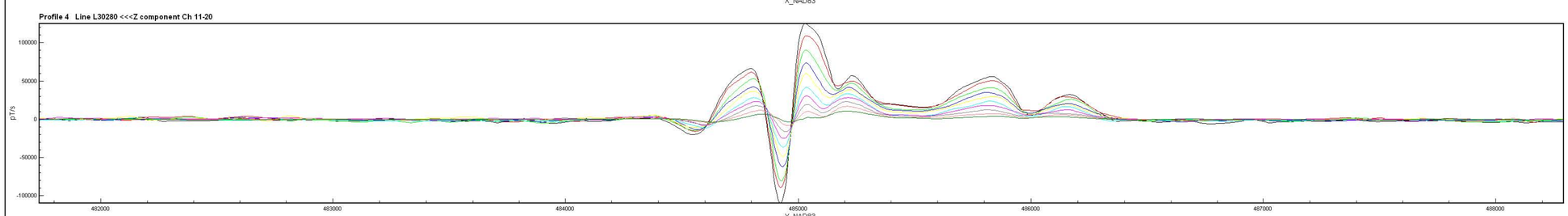

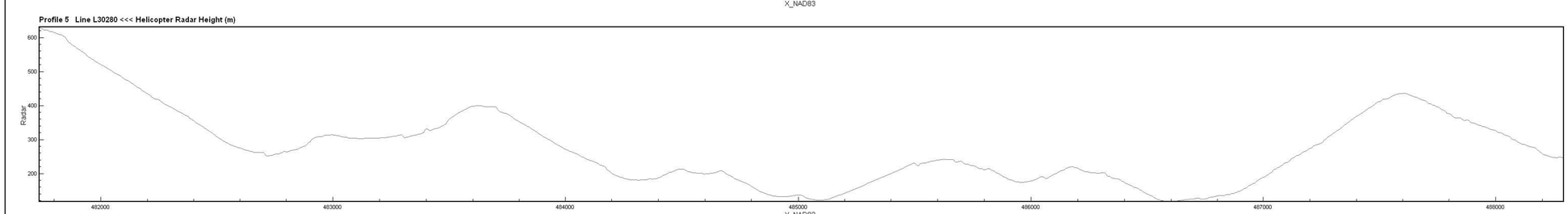

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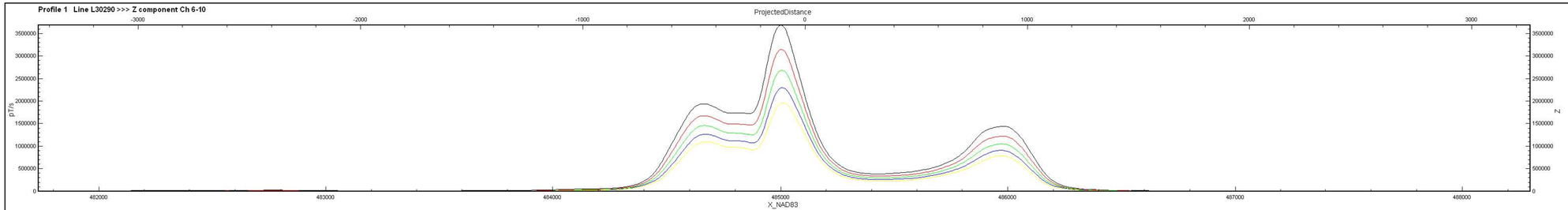

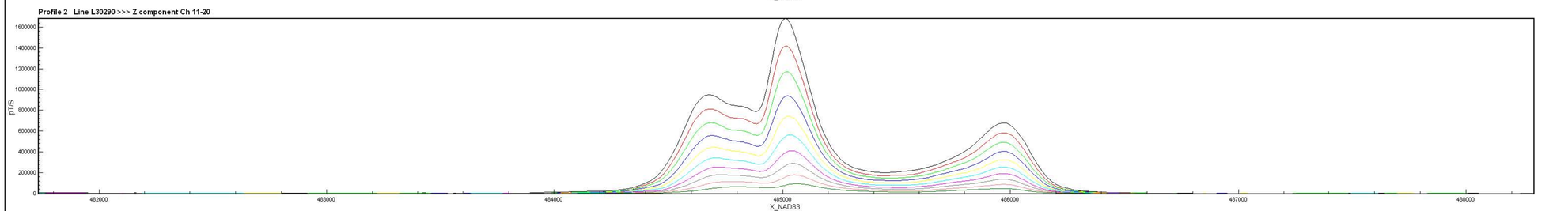

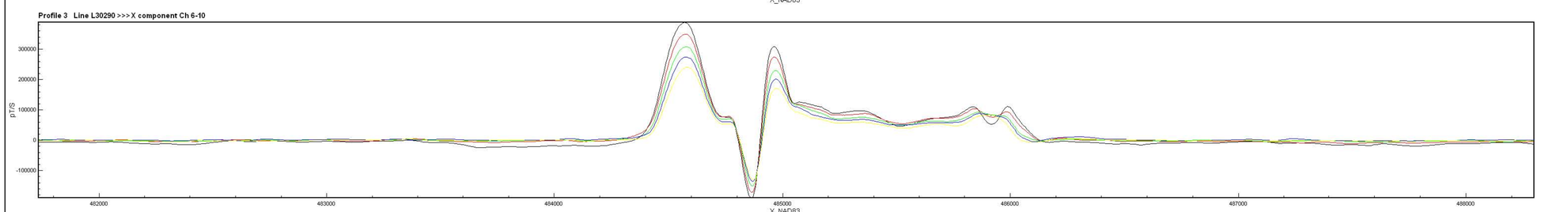

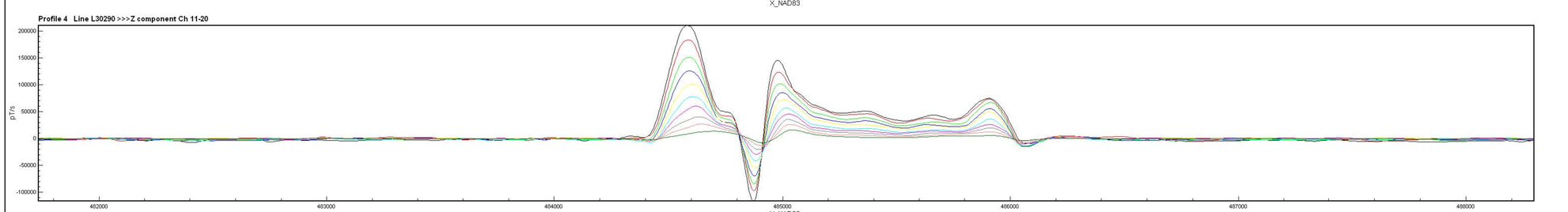

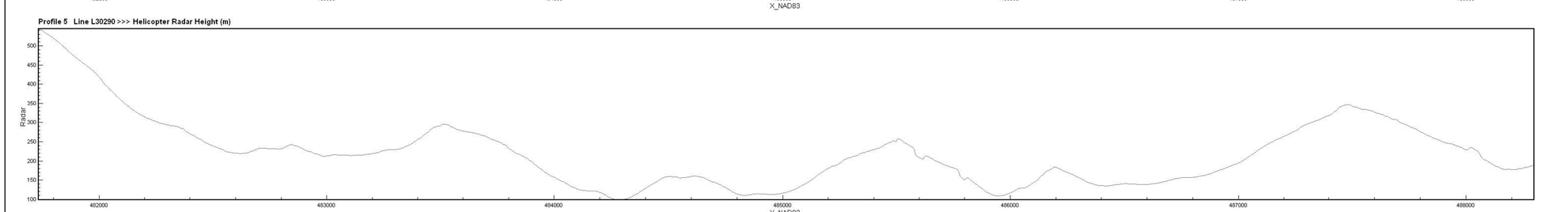

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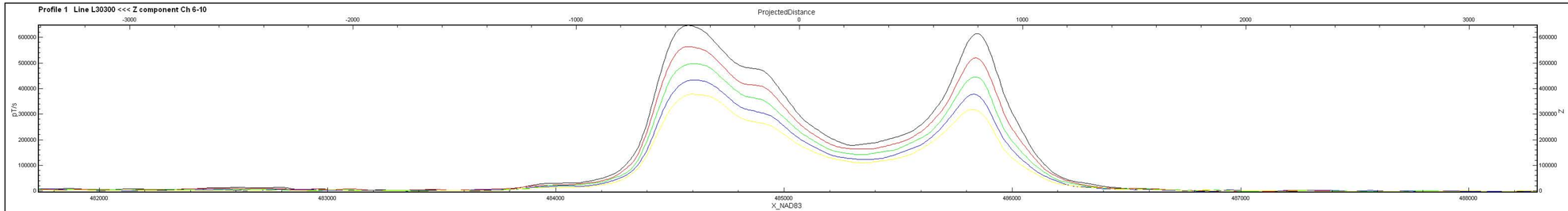

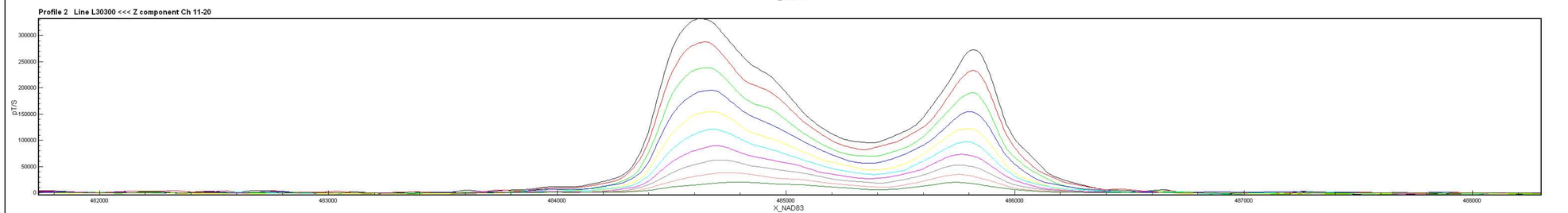

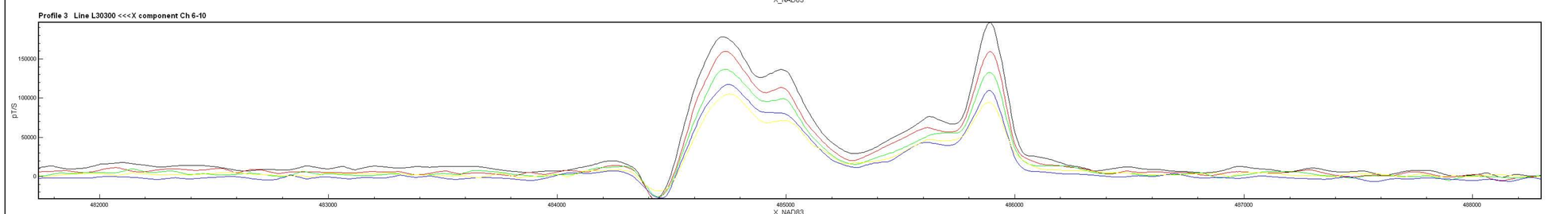

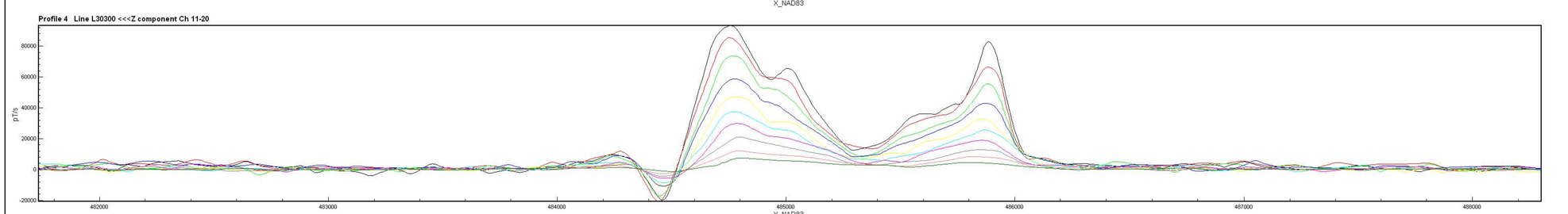

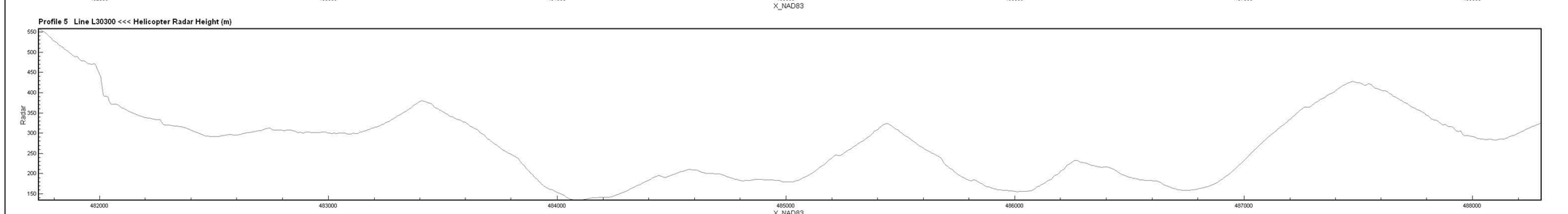

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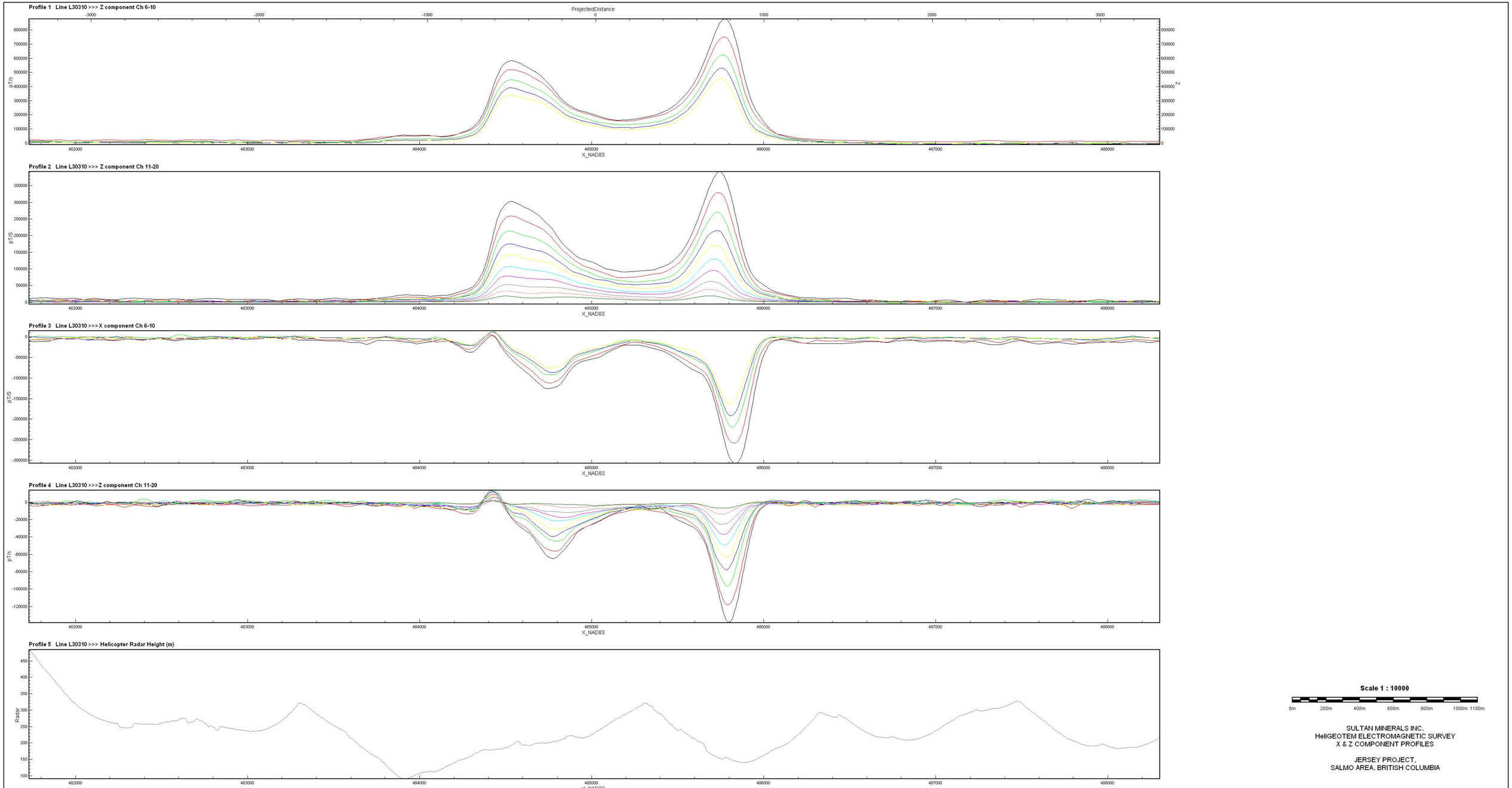

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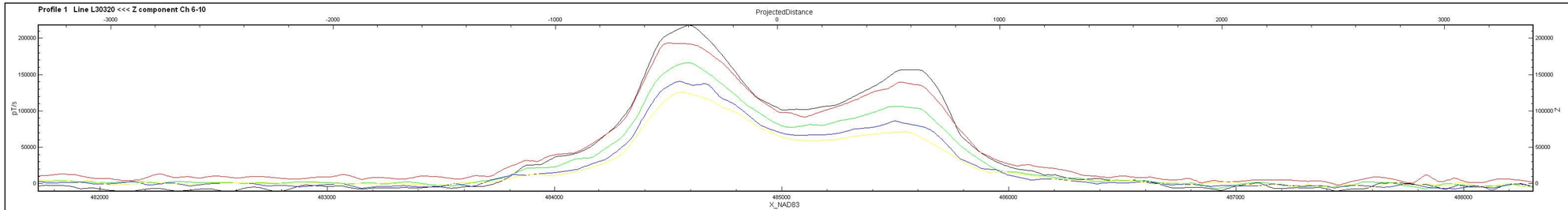

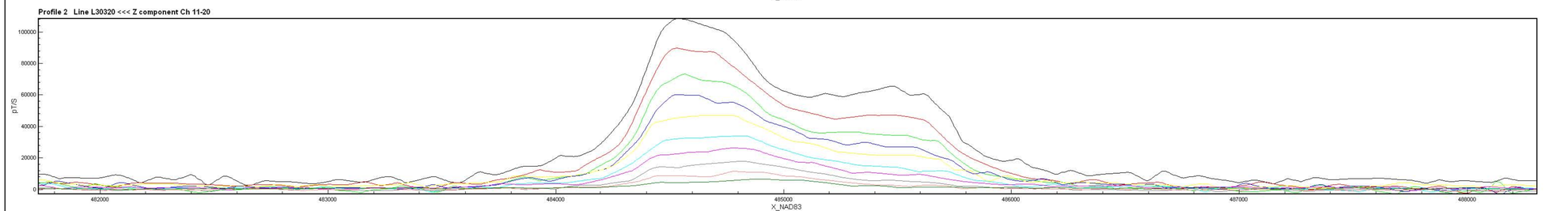

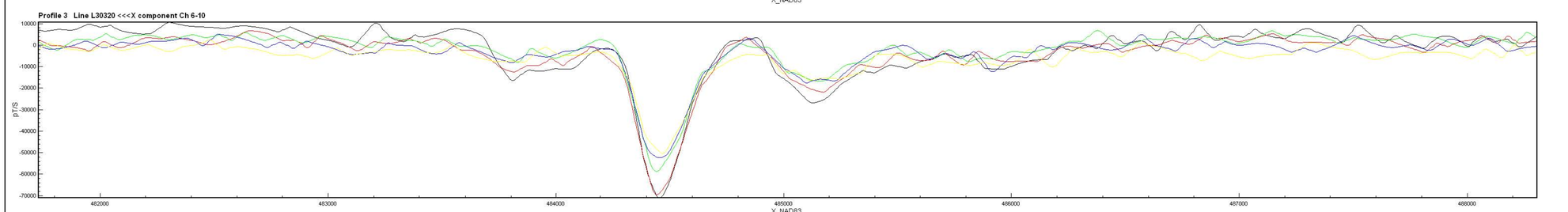

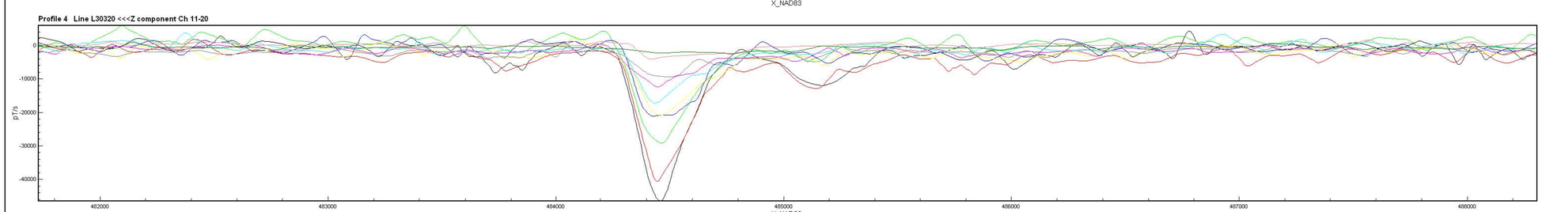

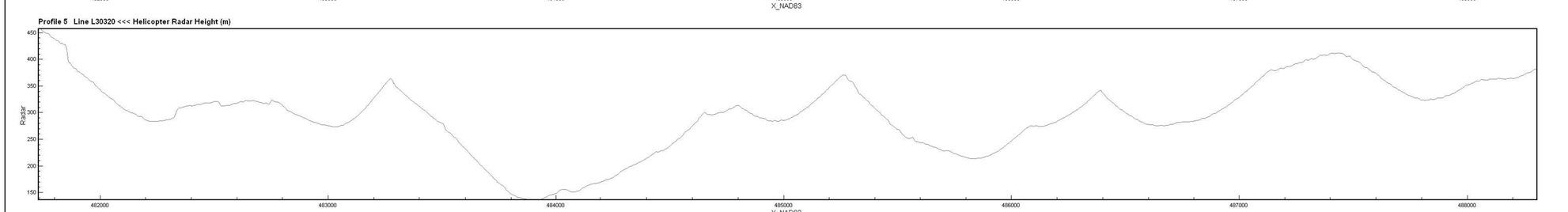

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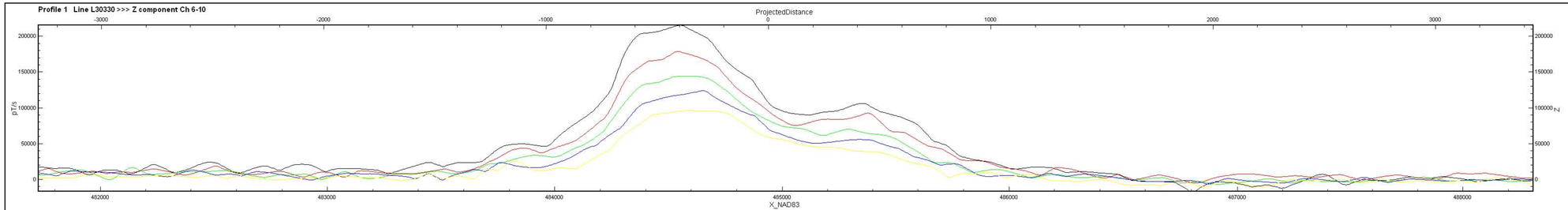

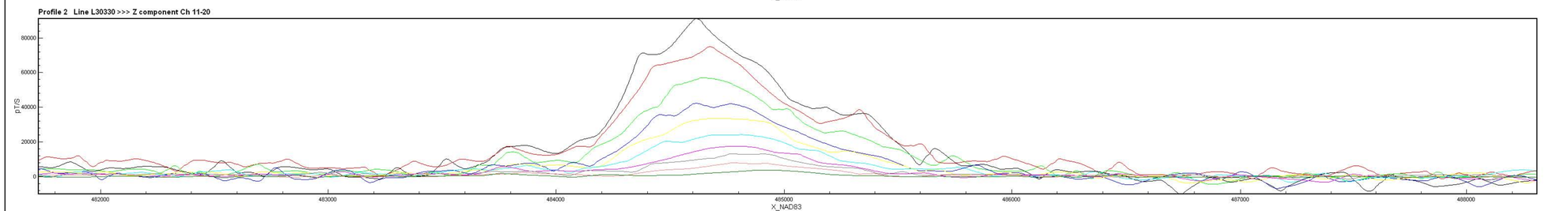

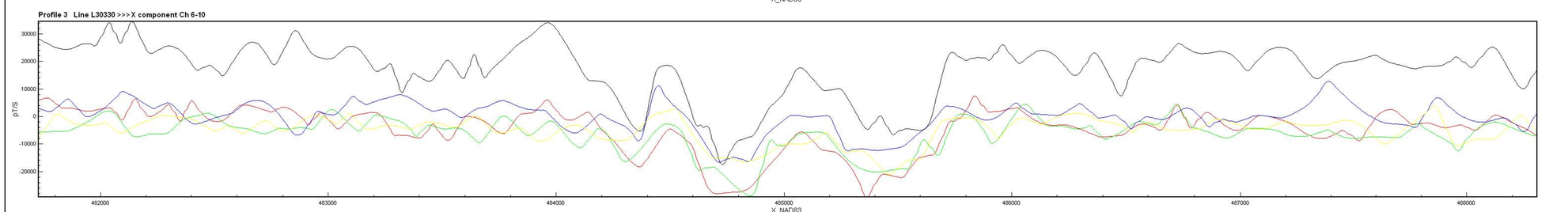

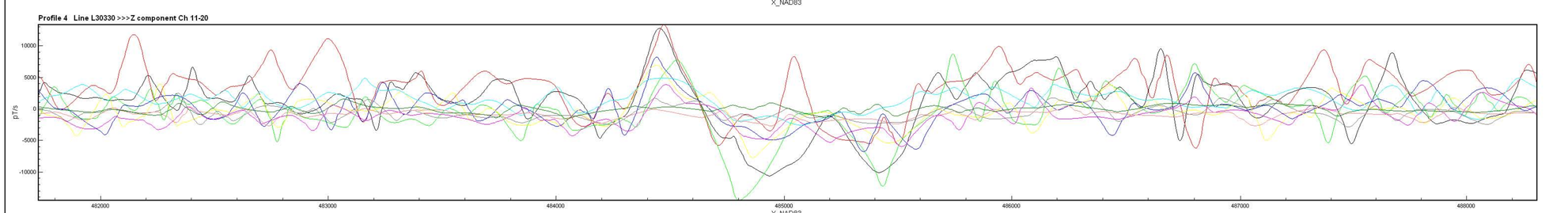

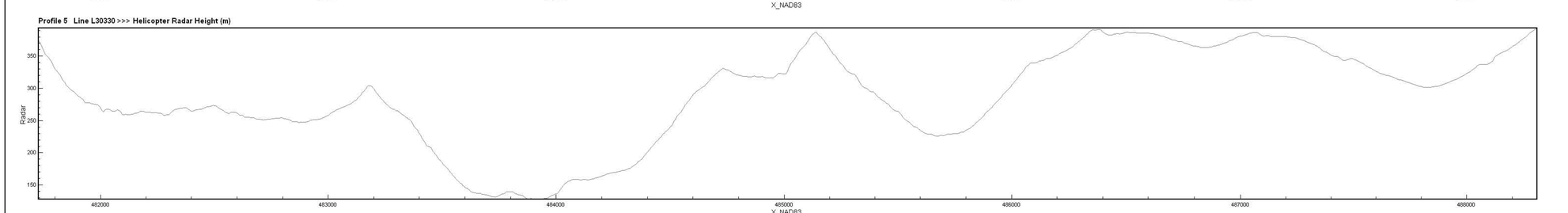

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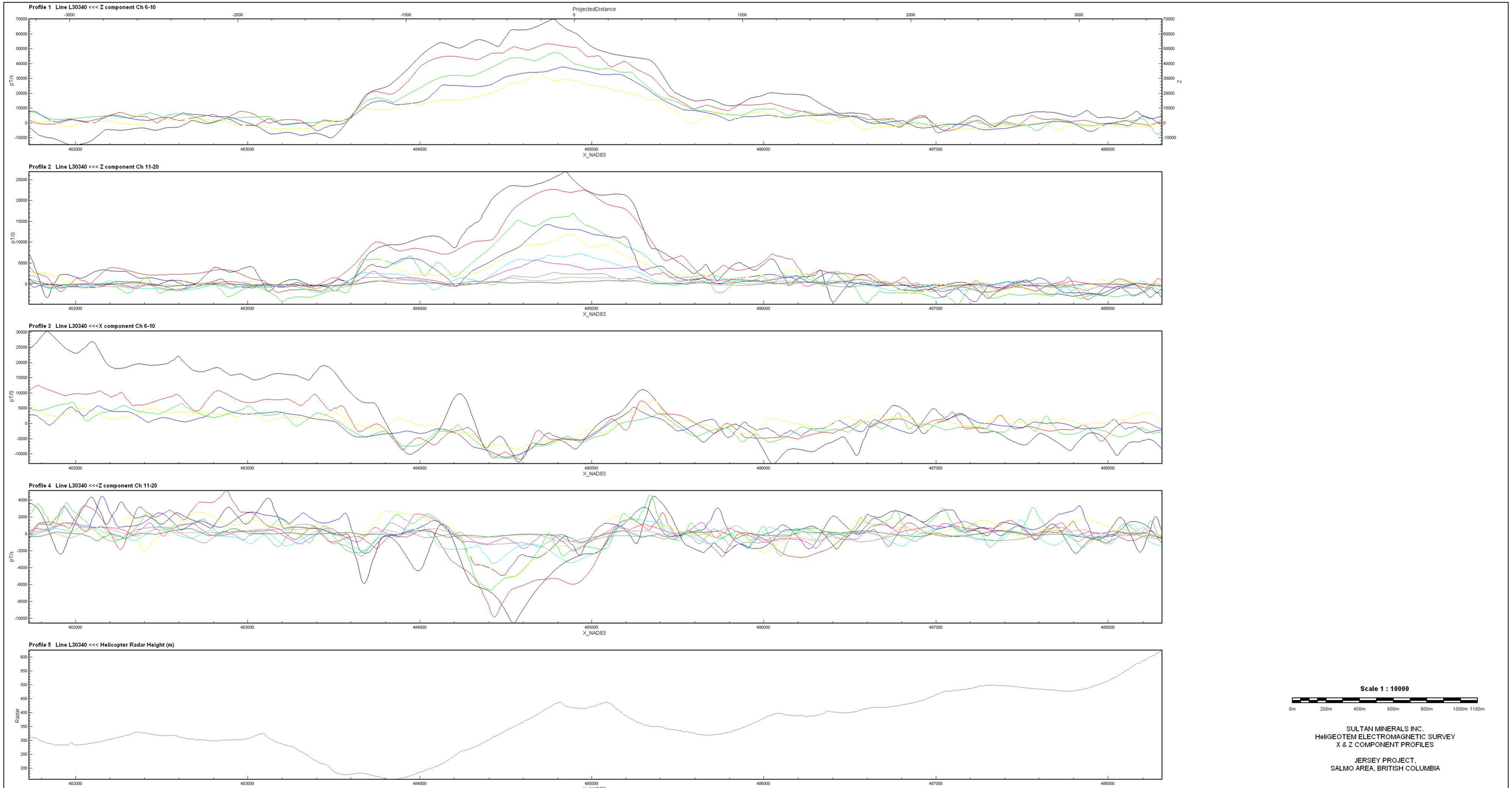

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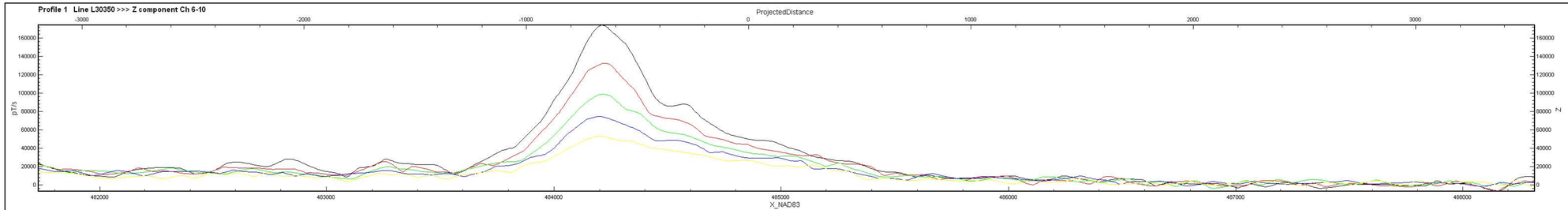

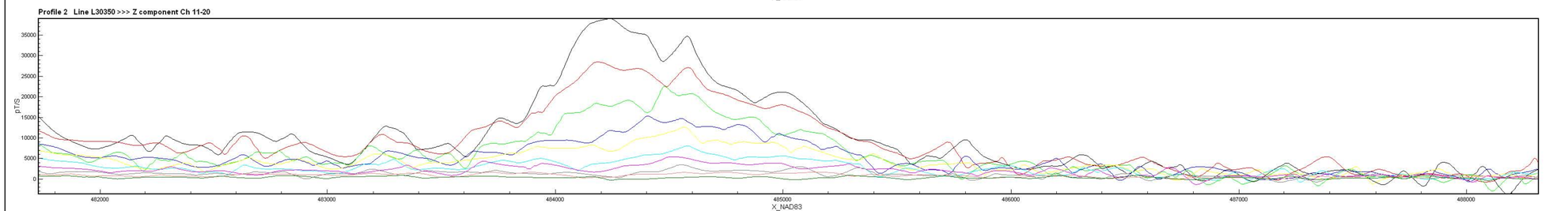

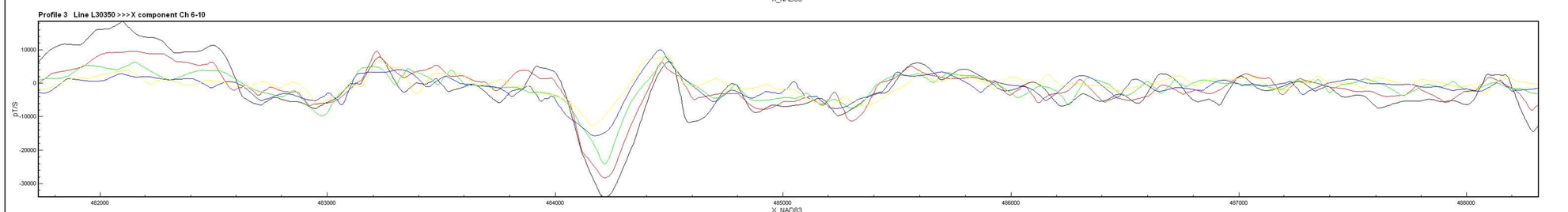

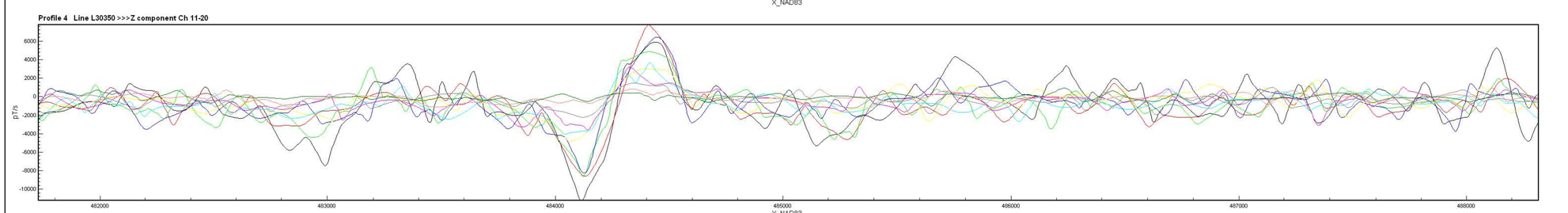

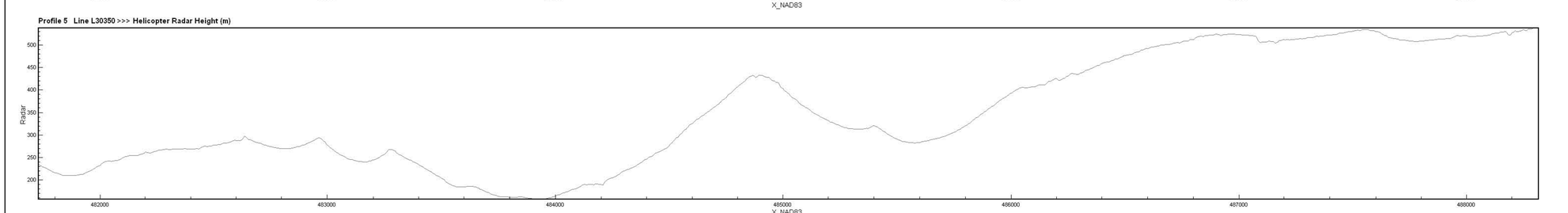

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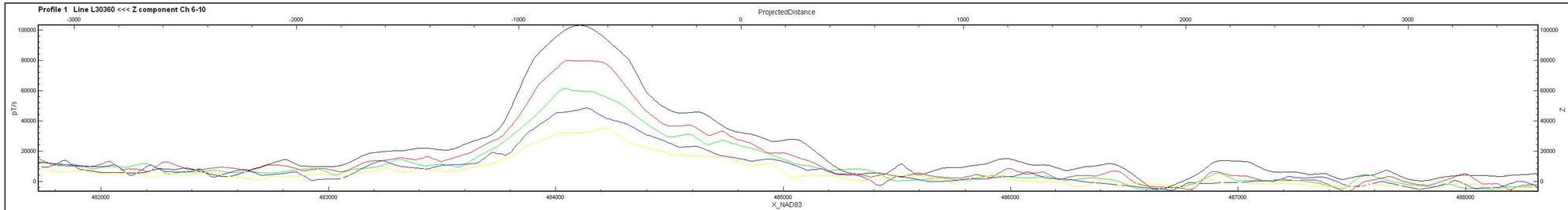

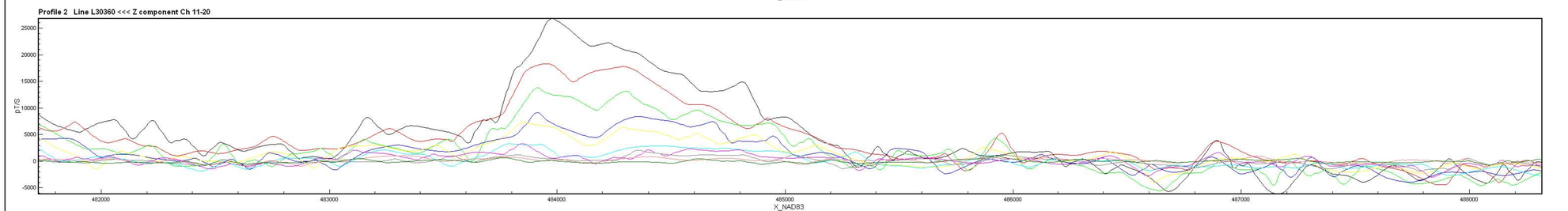

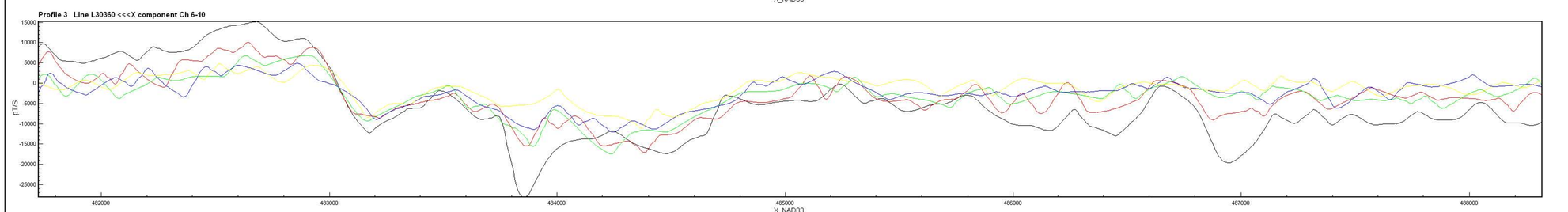

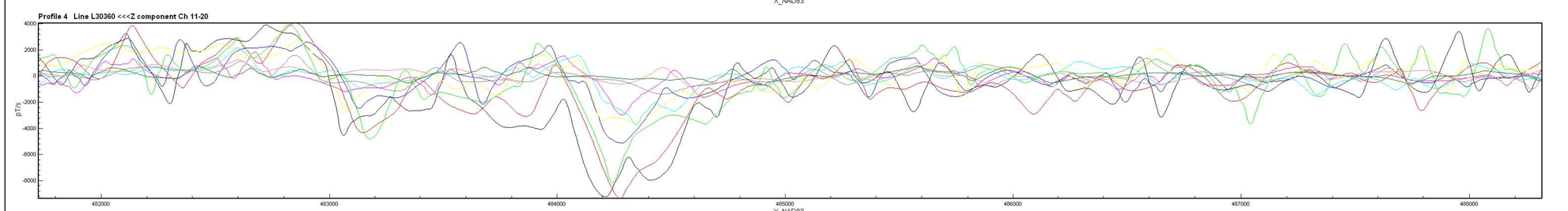

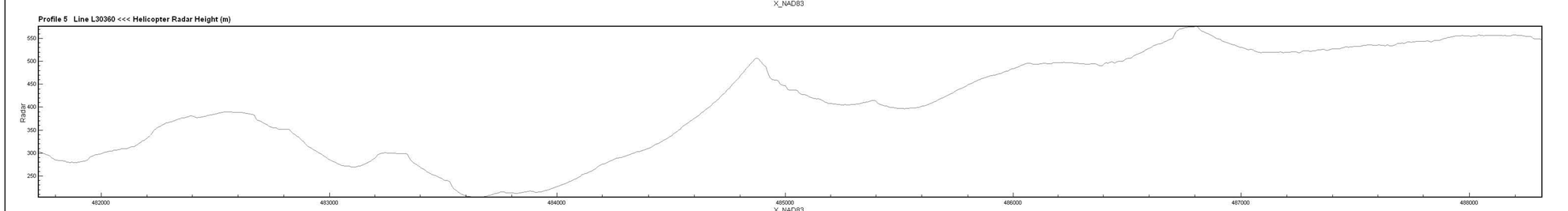

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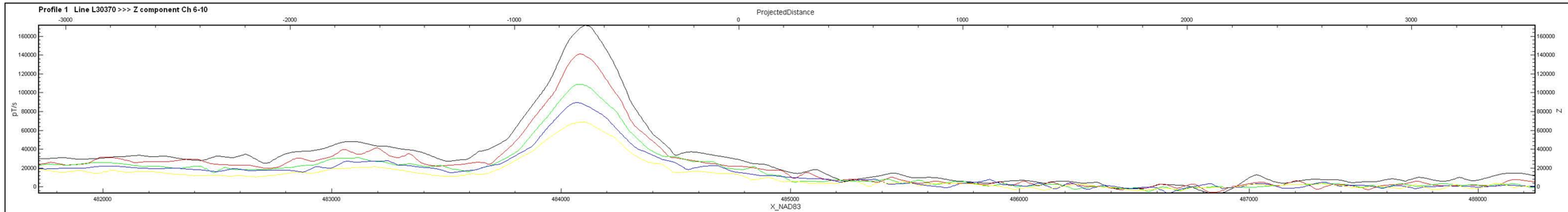

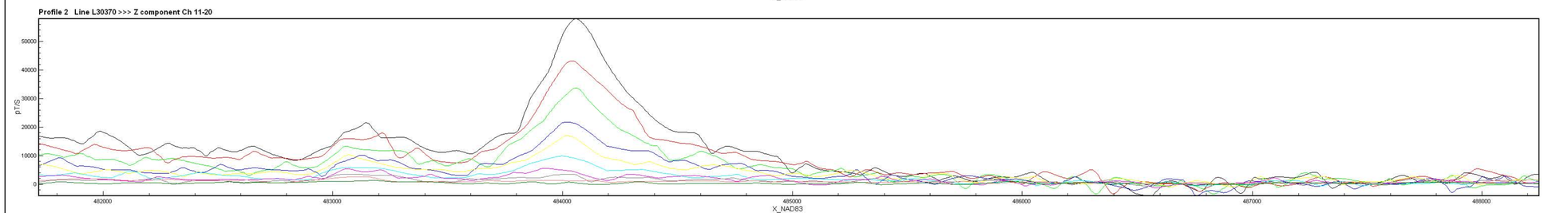

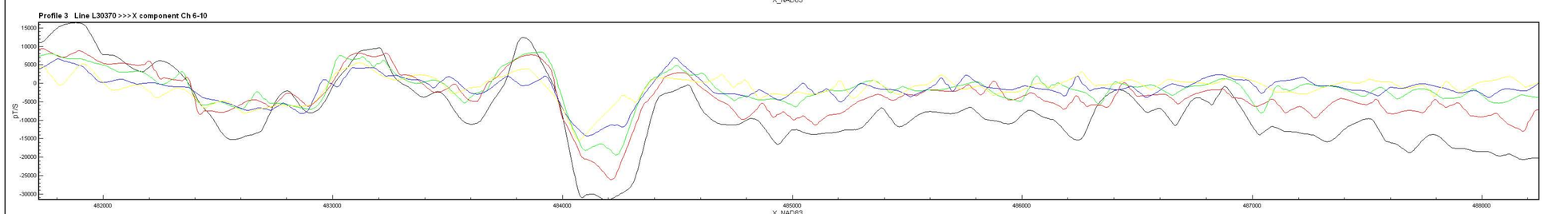

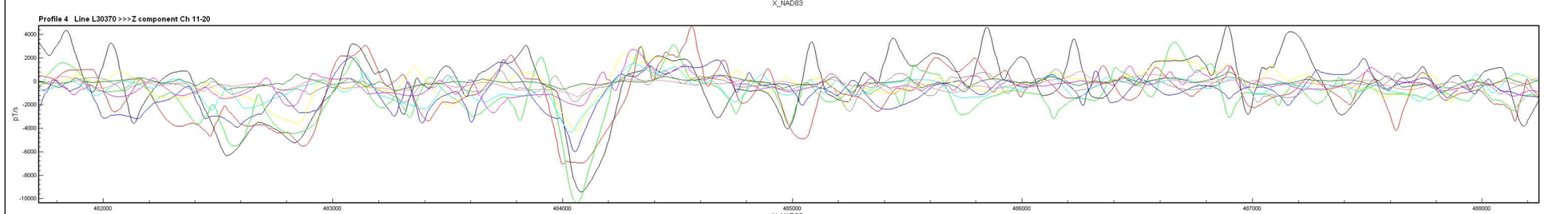

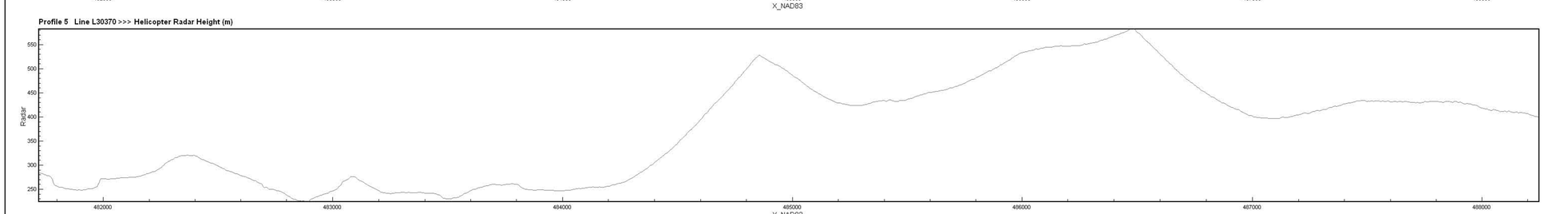

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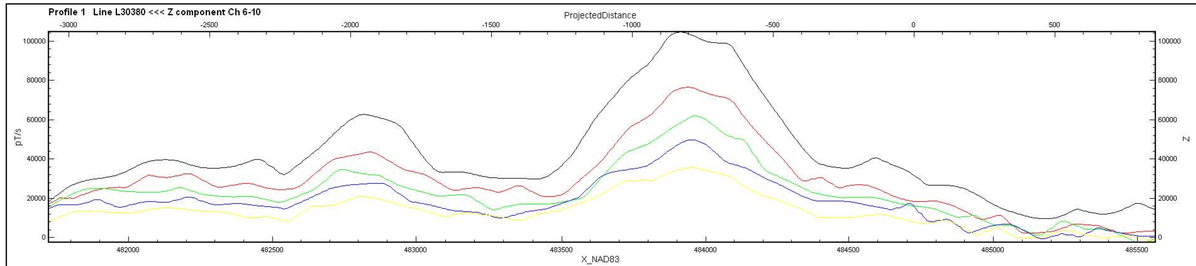
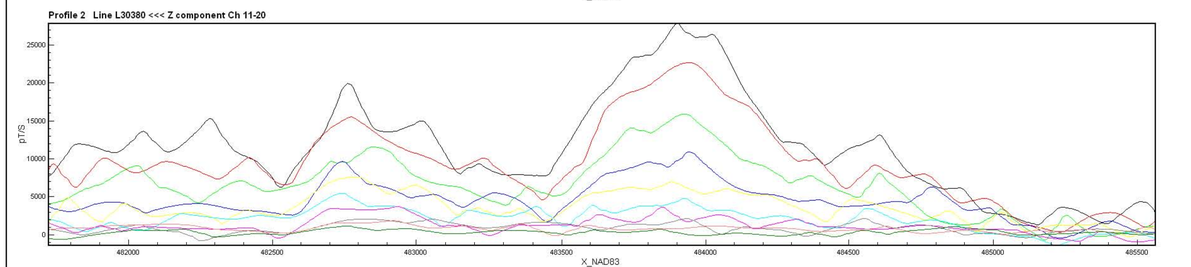
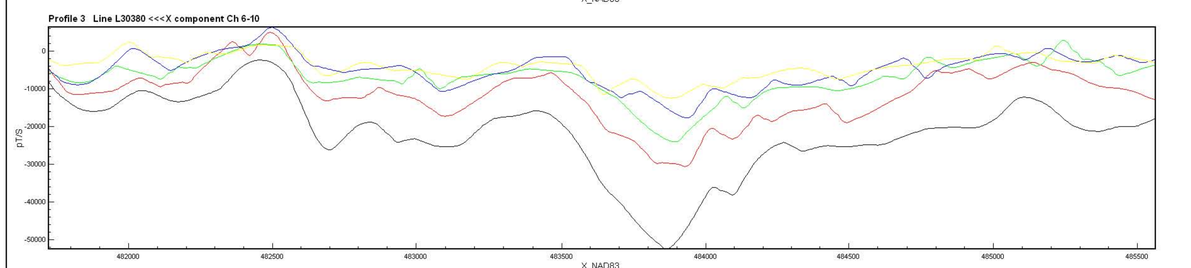
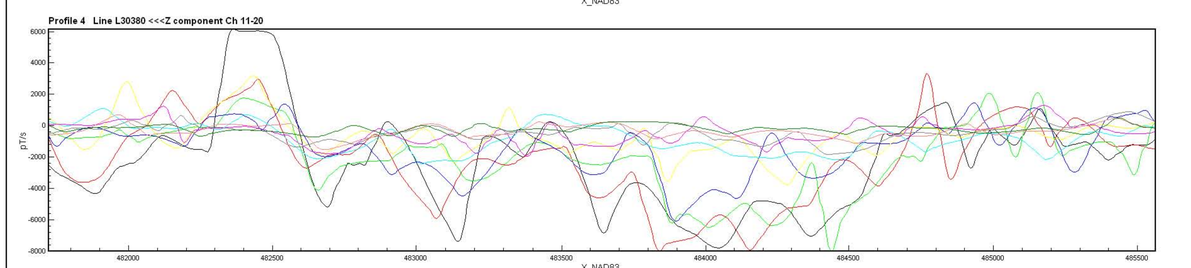
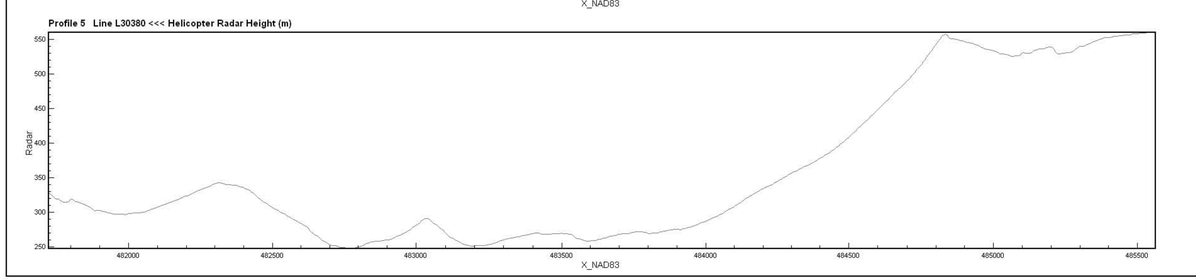
SALMO AREA, BRITISH COLUMBIA

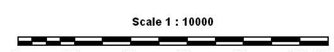












SULTAN MINERALS INC.
HeliGEOTEM ELECTROMAGNETIC SURVEY
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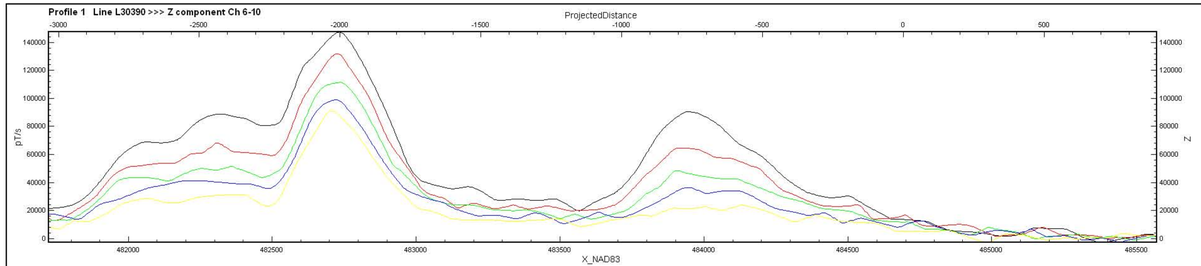
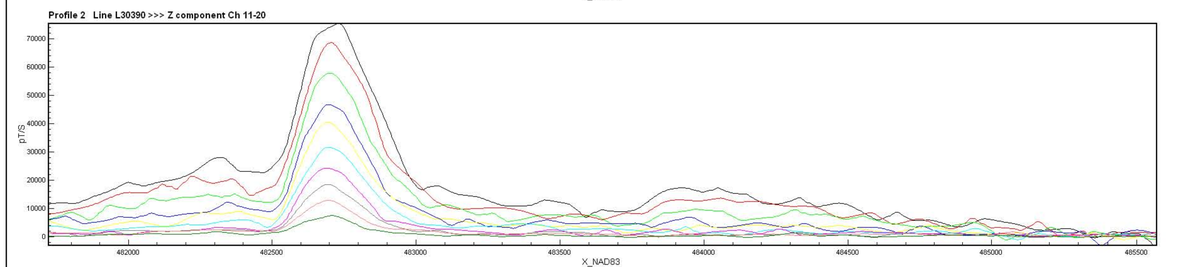
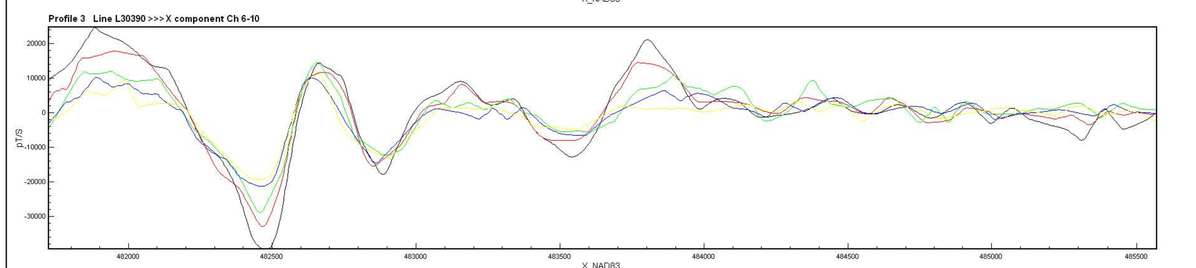
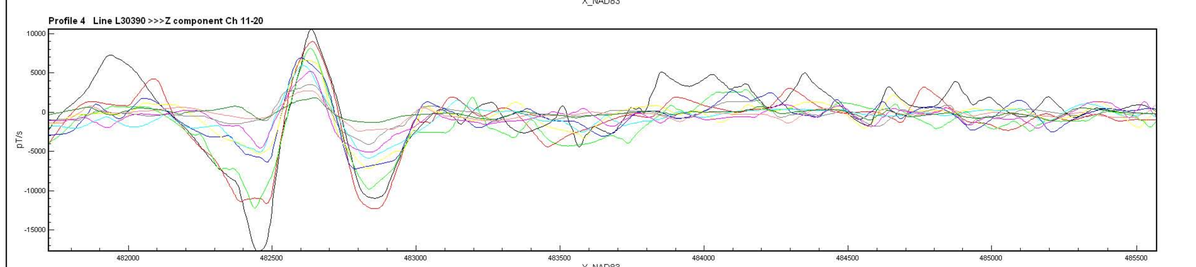
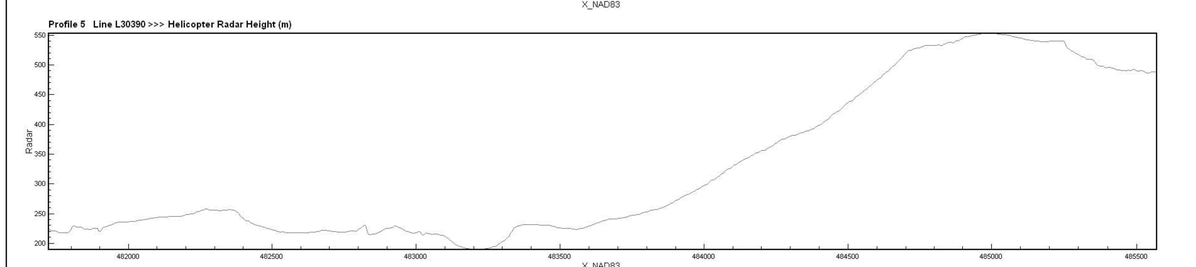
JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA











Scale 1 : 10000

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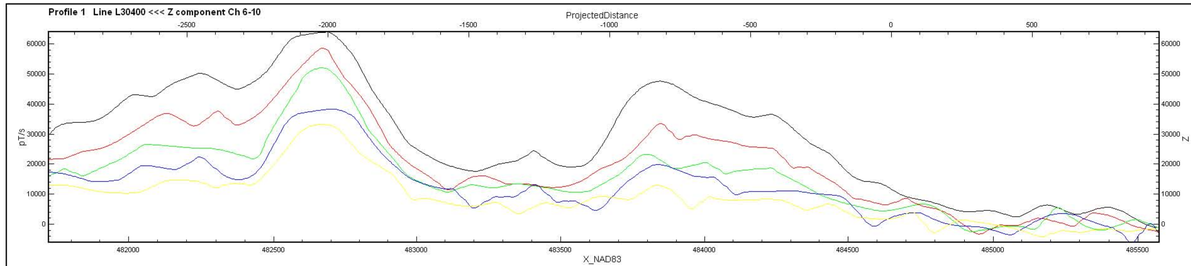
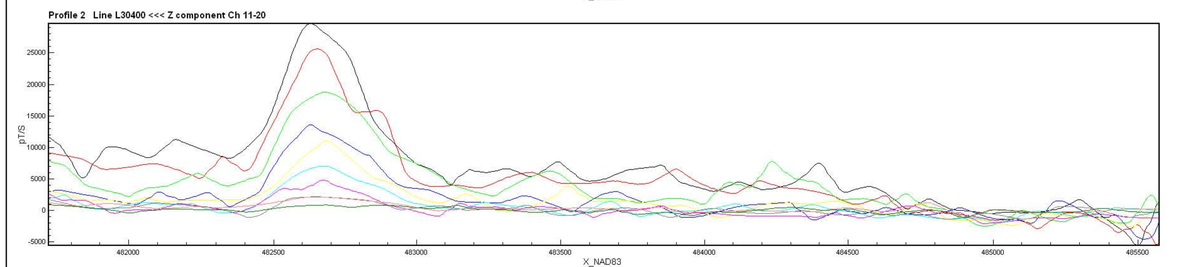
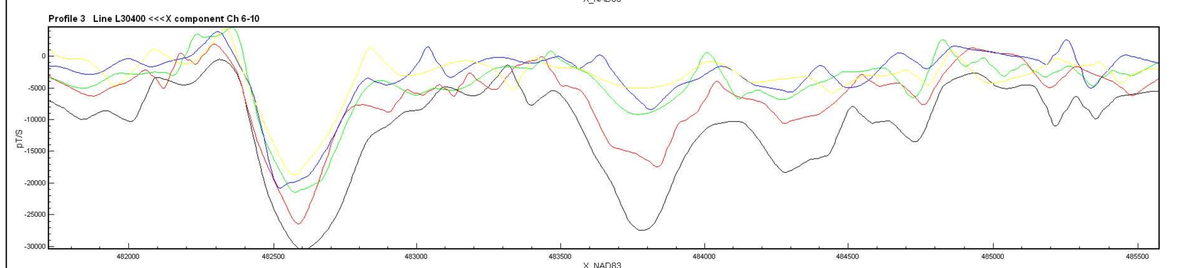
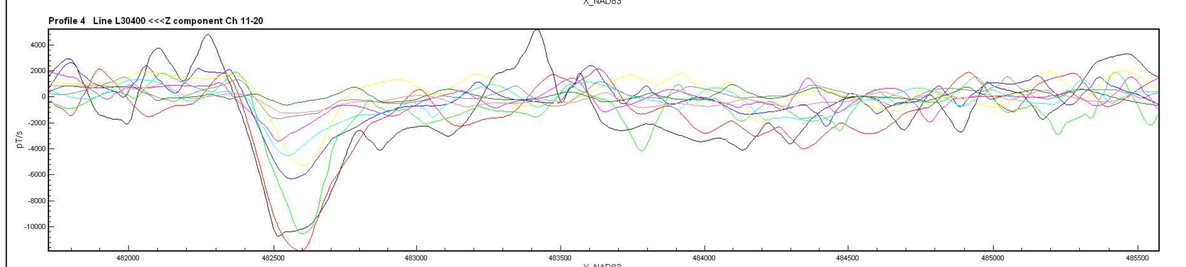
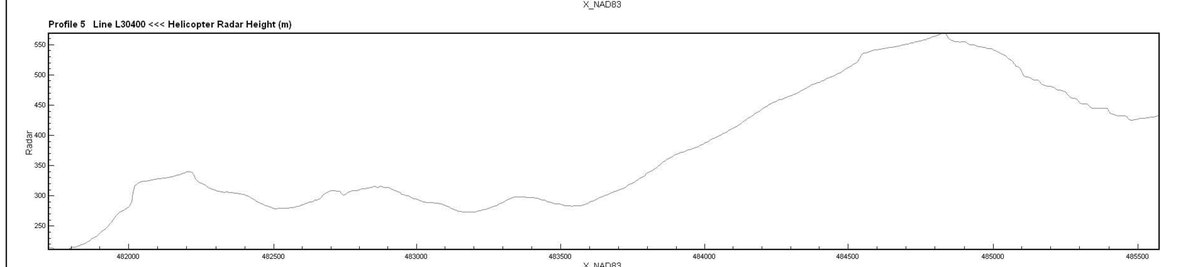
JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA











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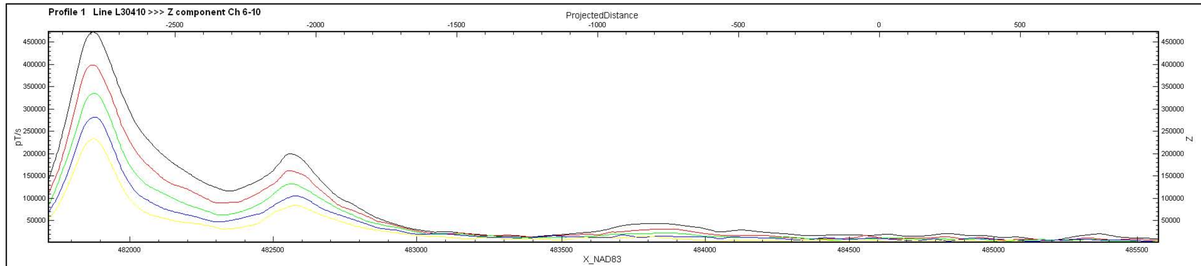

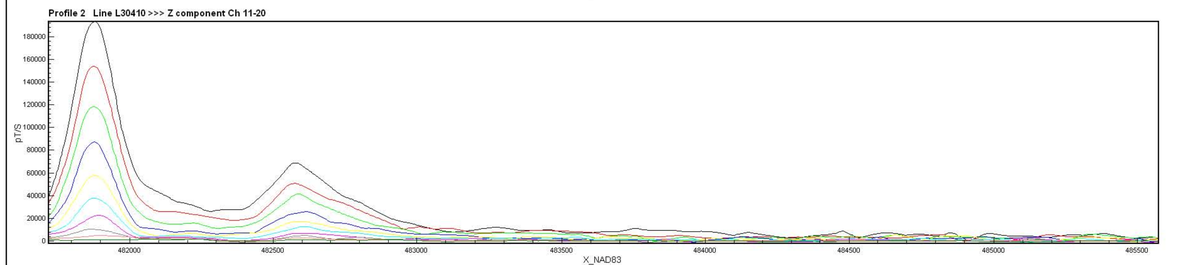

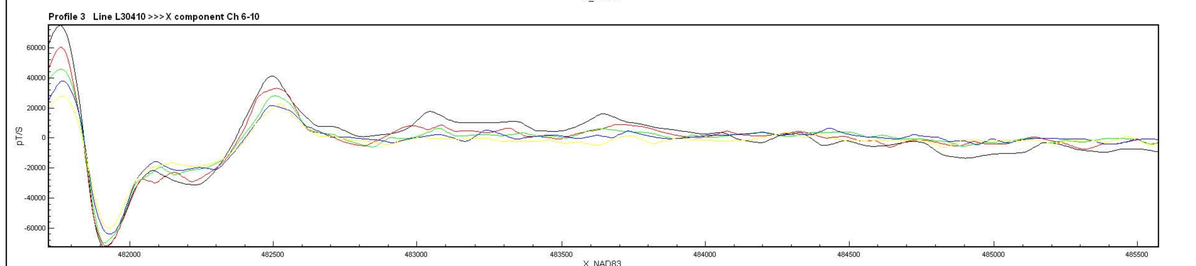

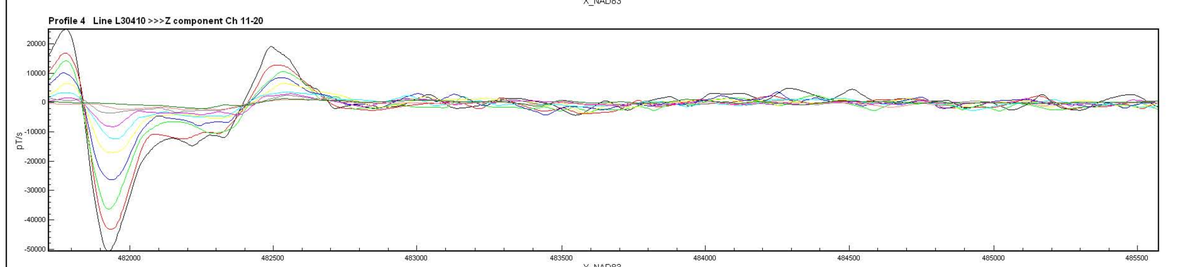

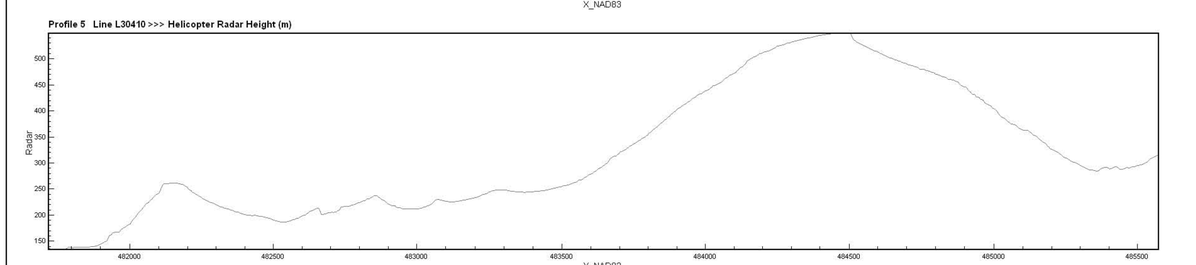

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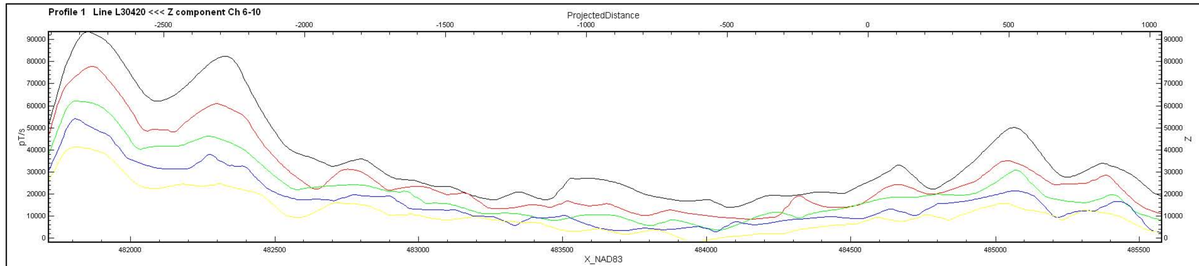

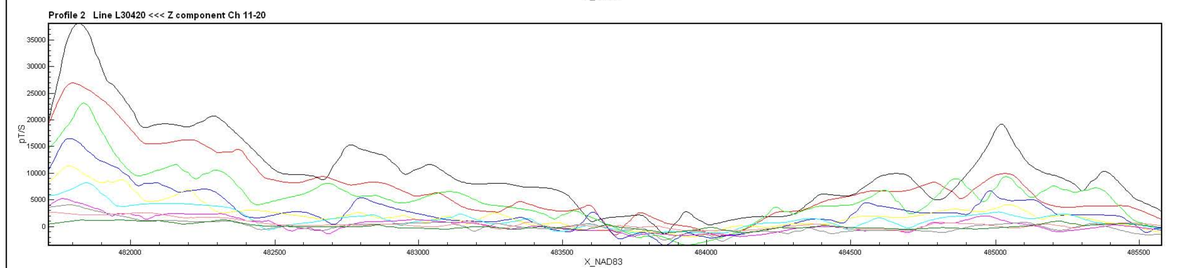

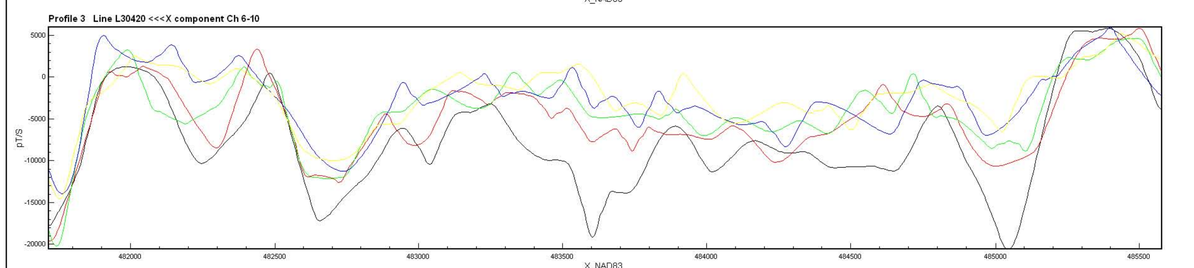

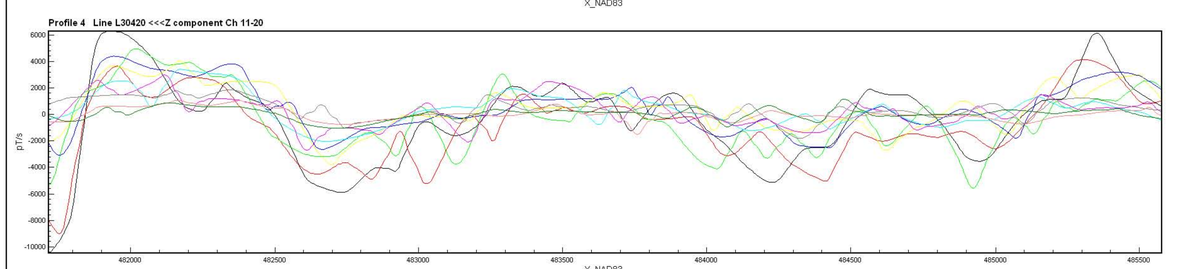

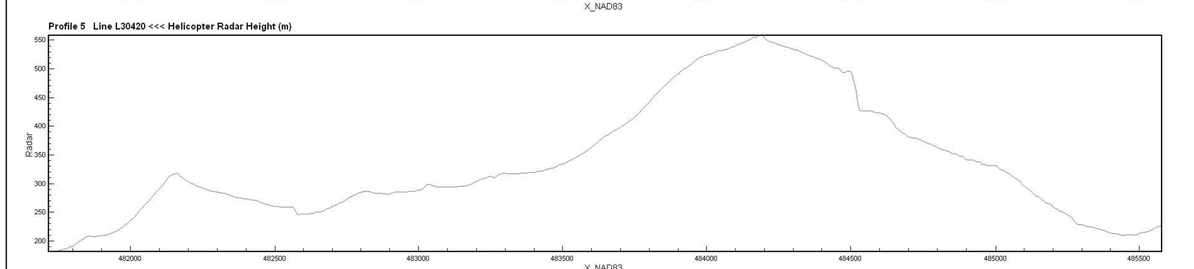

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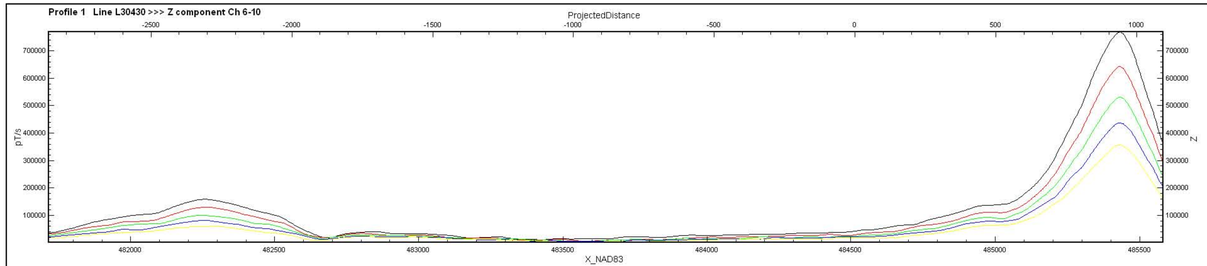

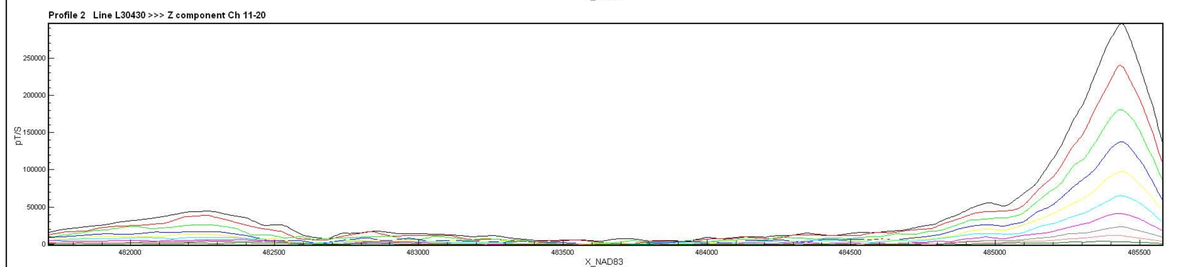

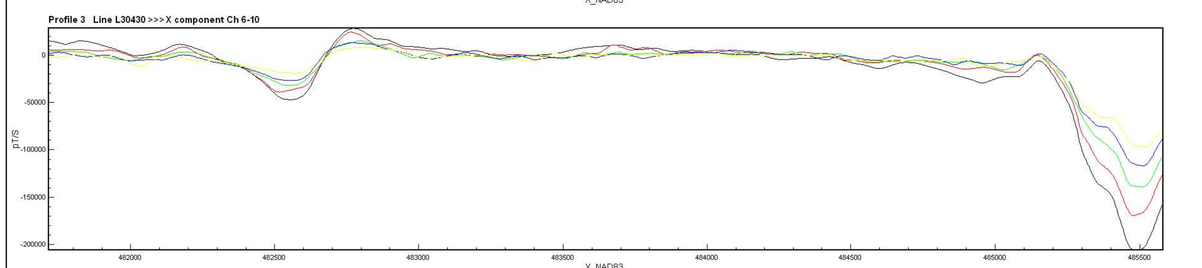

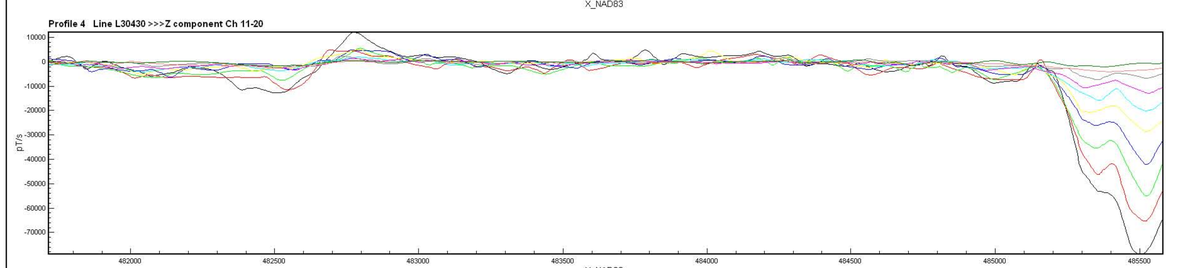

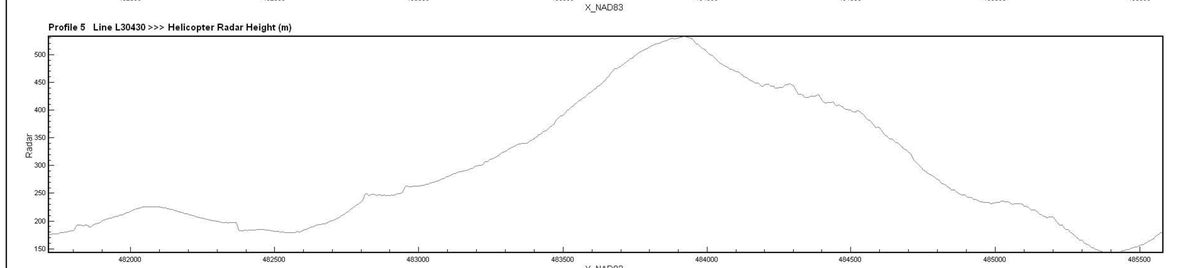

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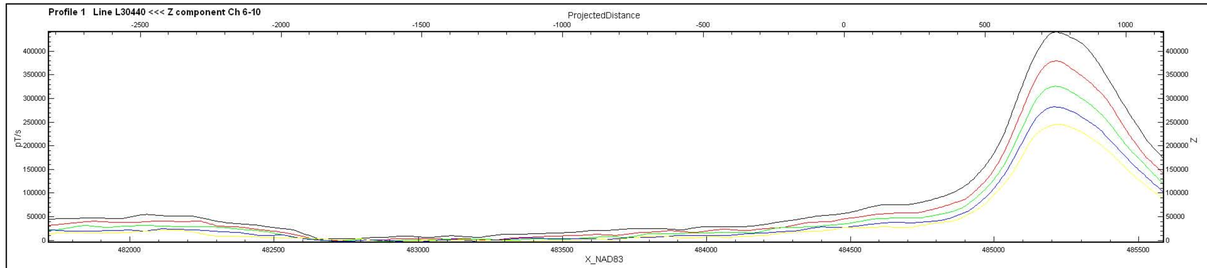

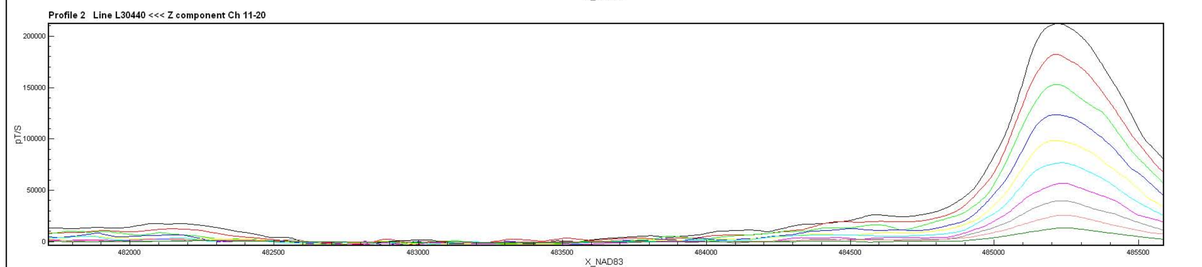

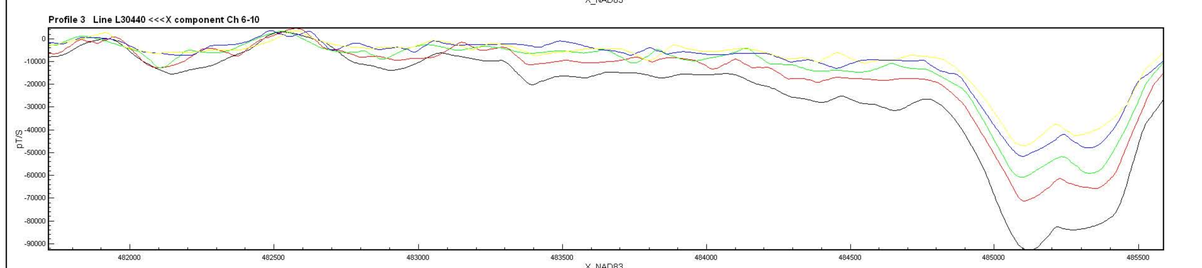

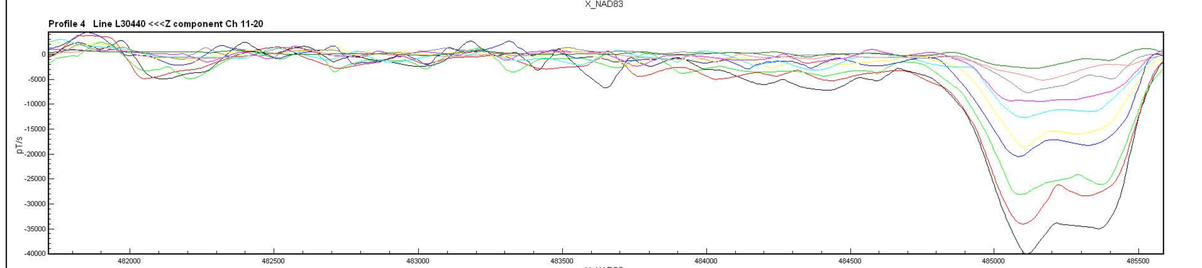

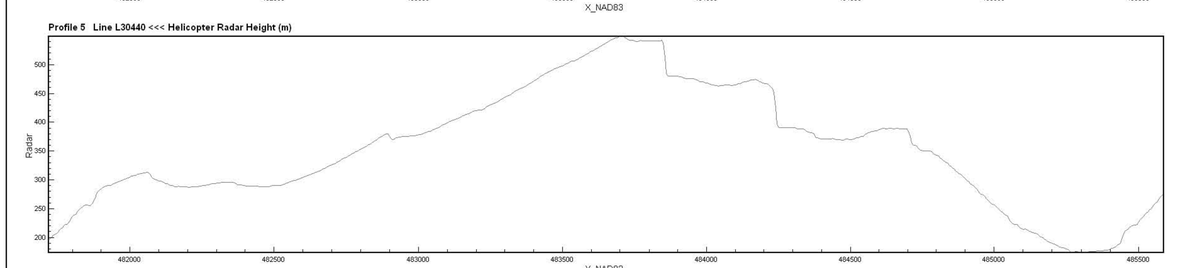

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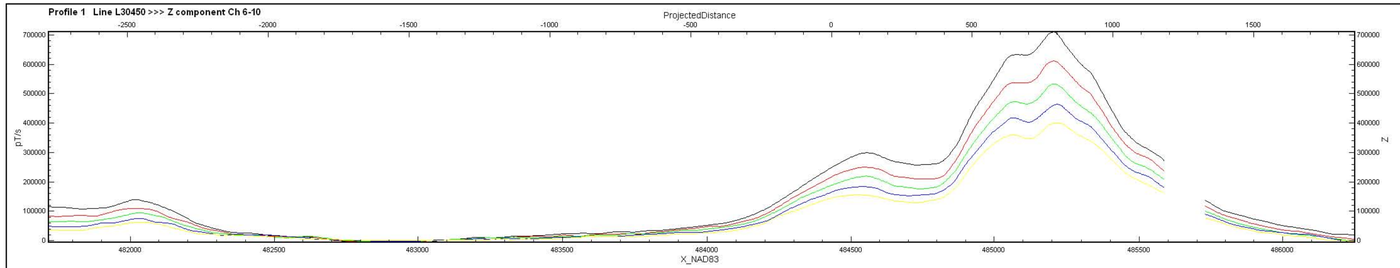
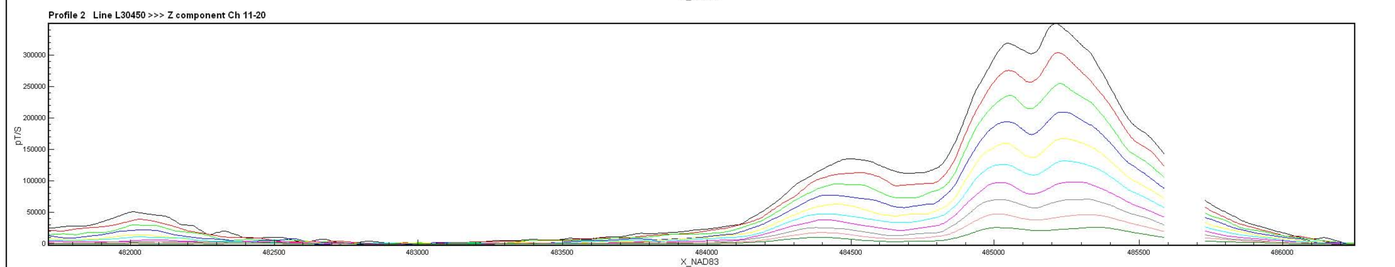
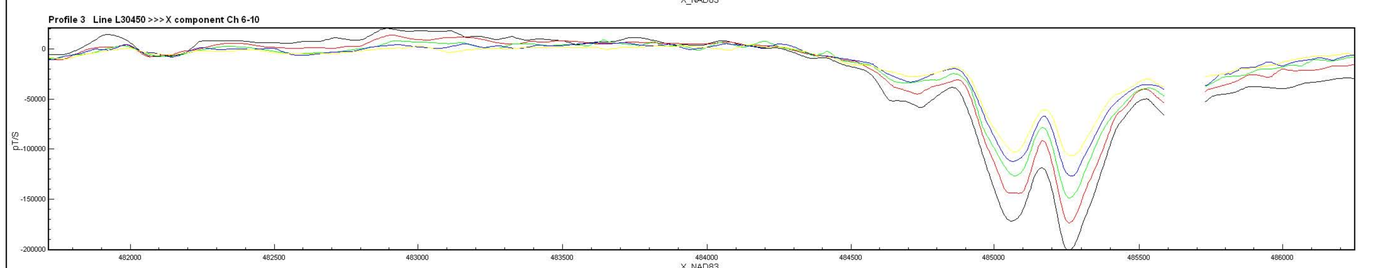
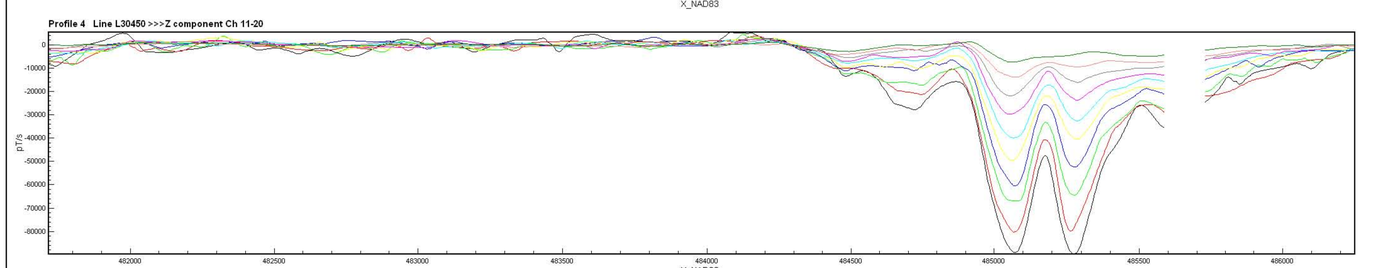
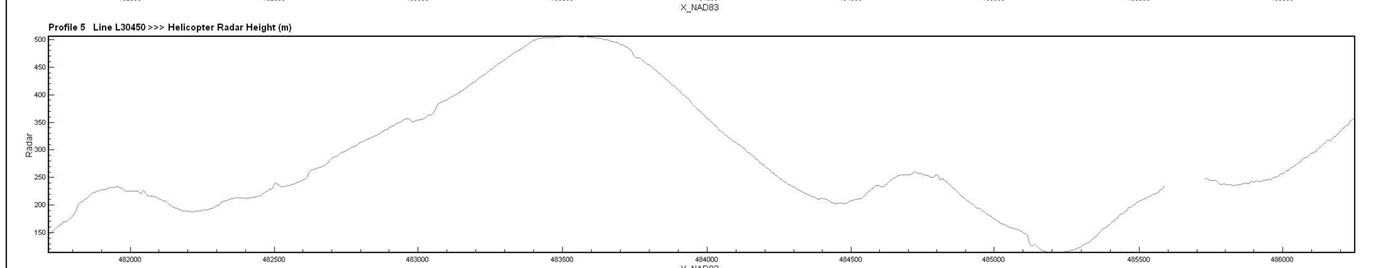
SALMO AREA, BRITISH COLUMBIA











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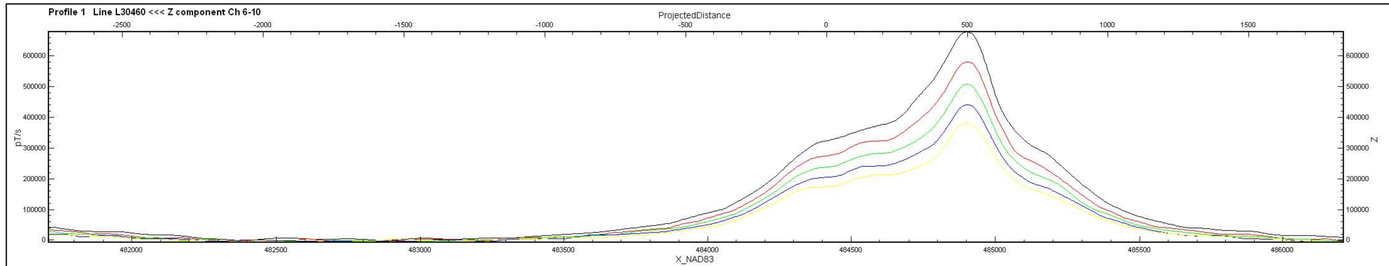
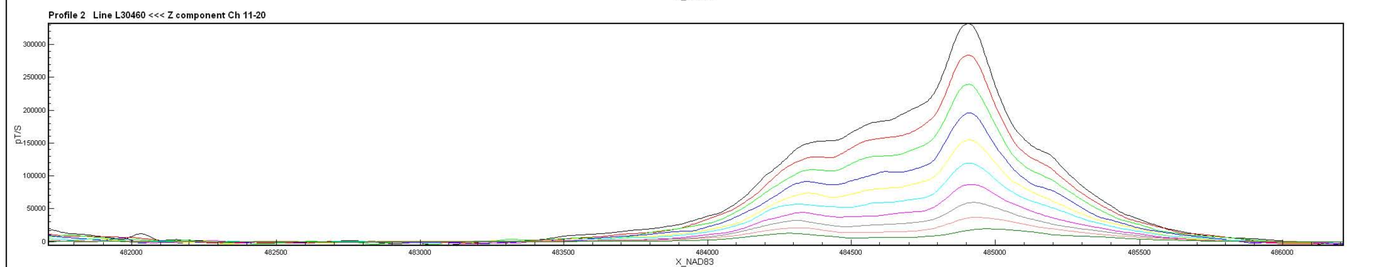
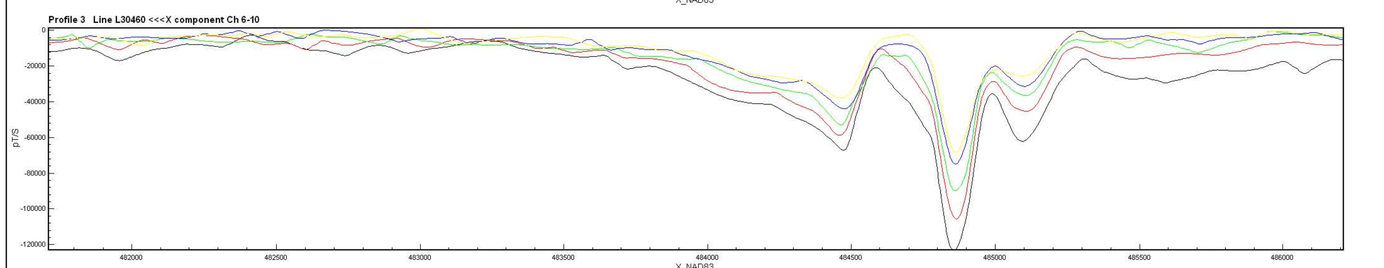
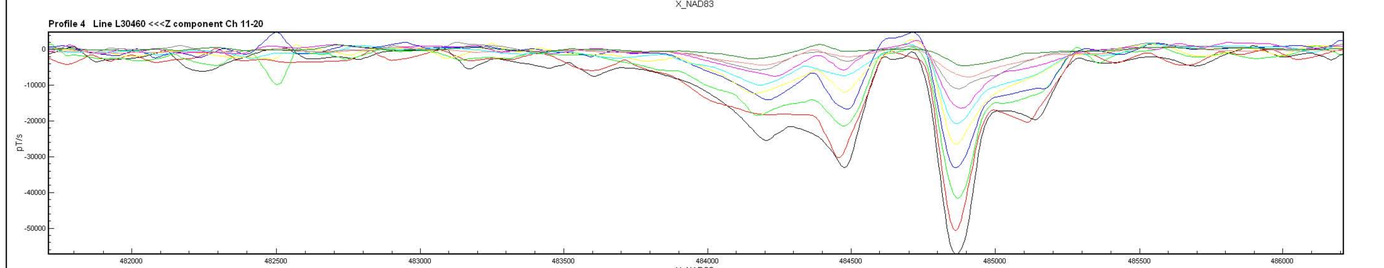
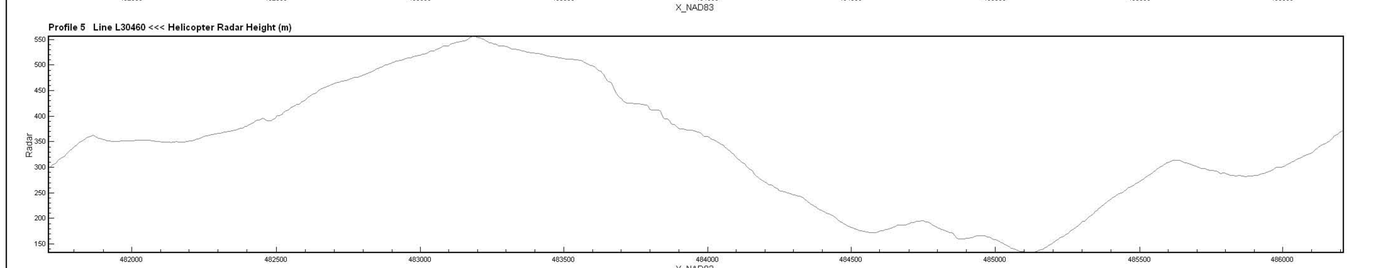
SALMO AREA, BRITISH COLUMBIA











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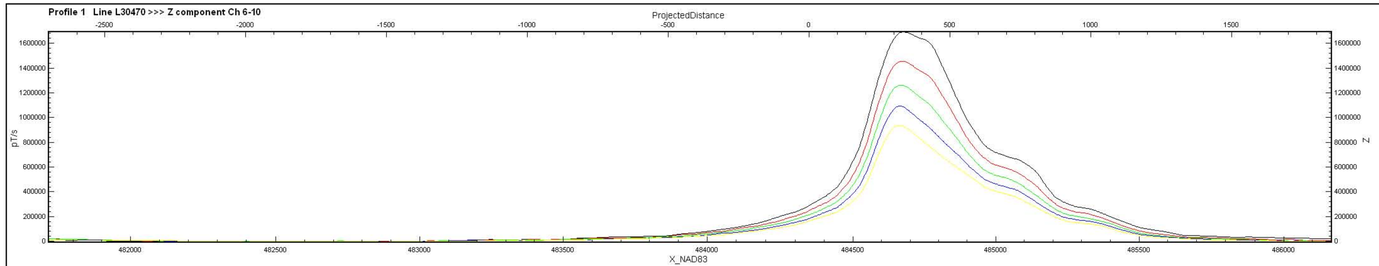

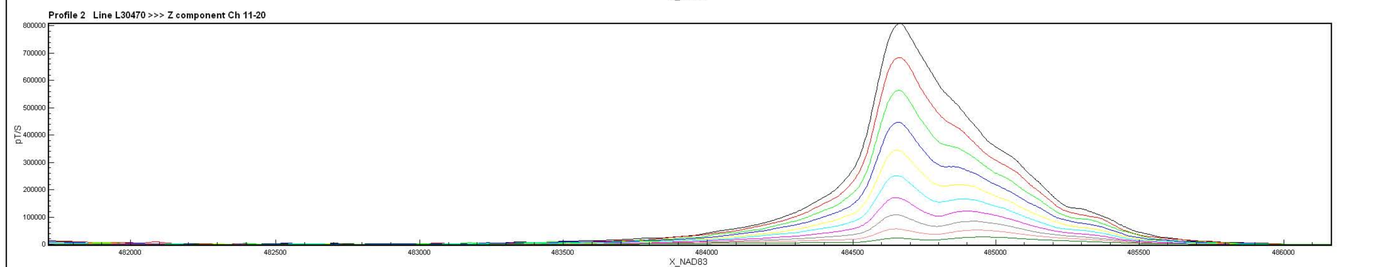

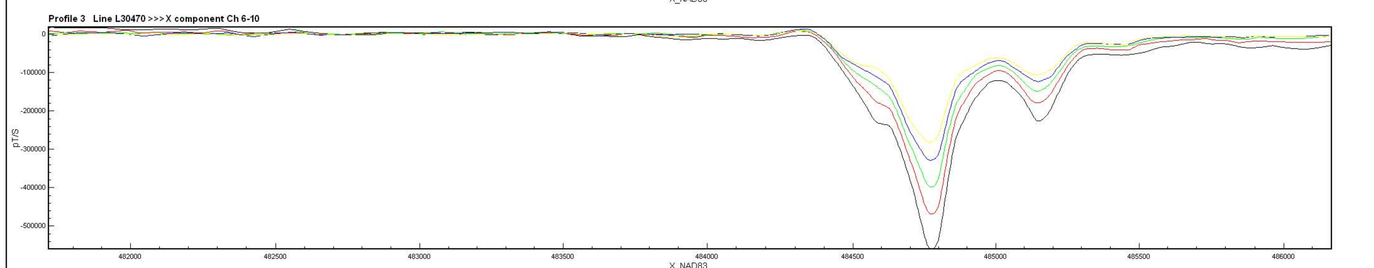

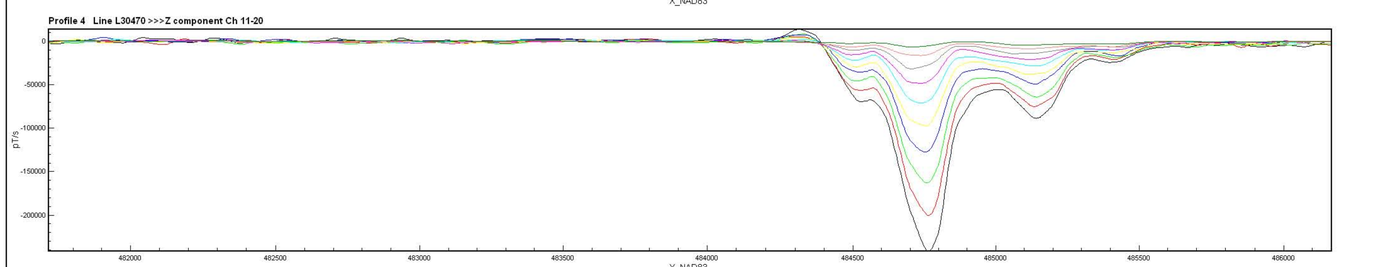

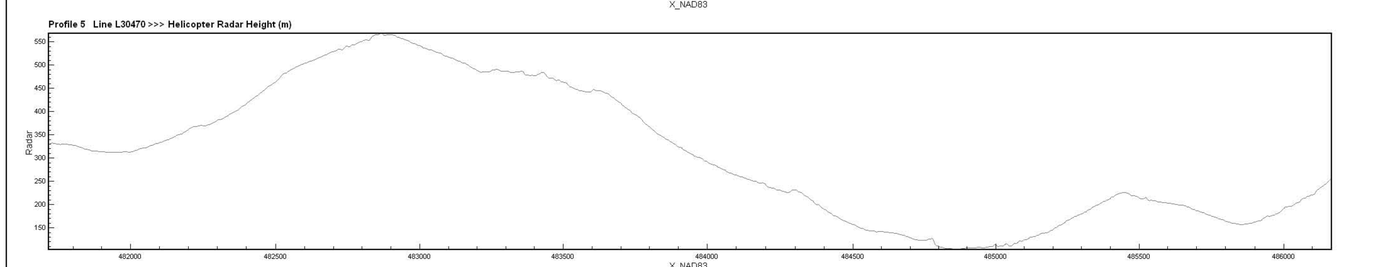

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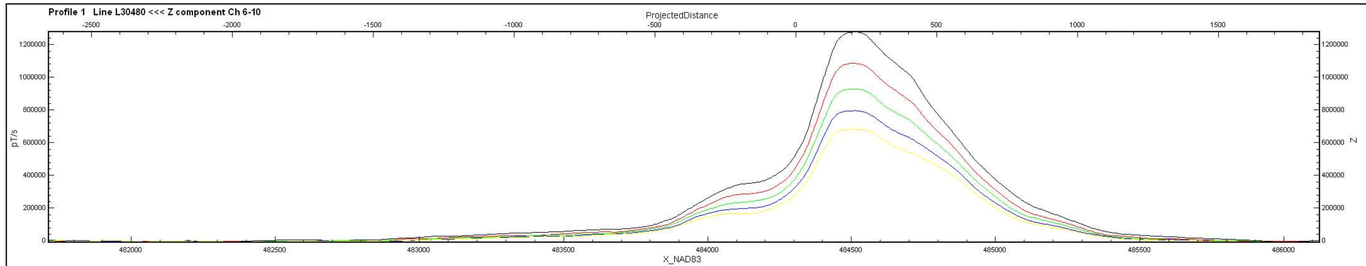

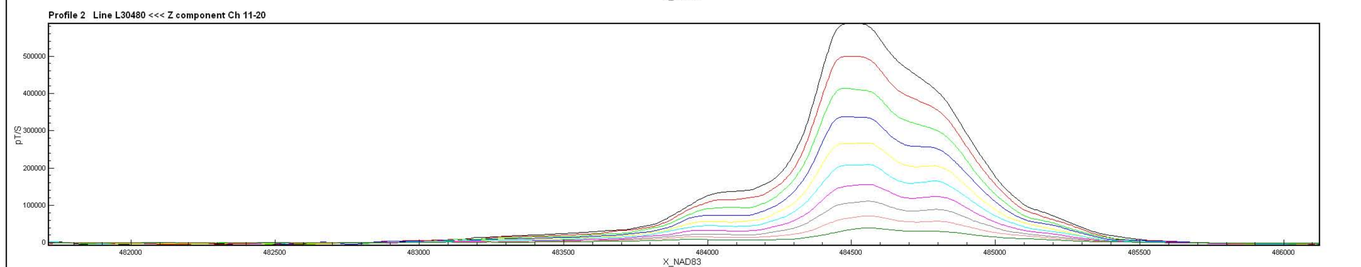

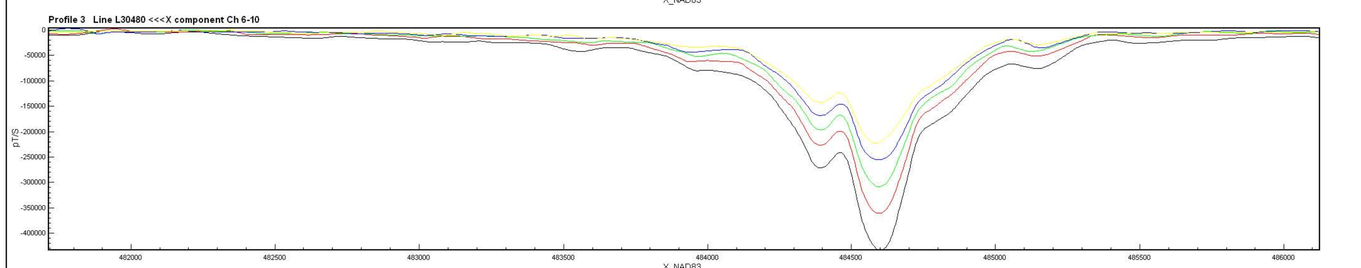

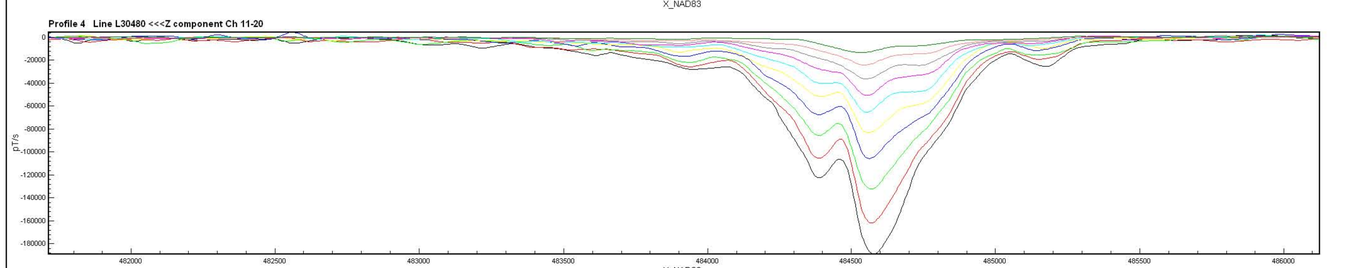

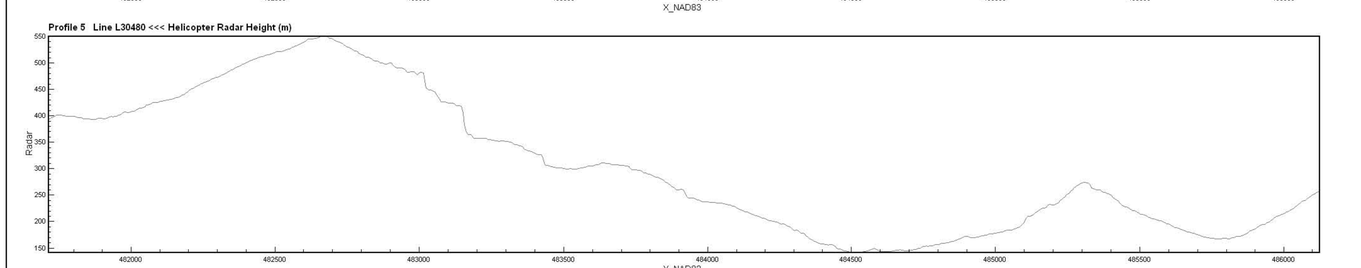

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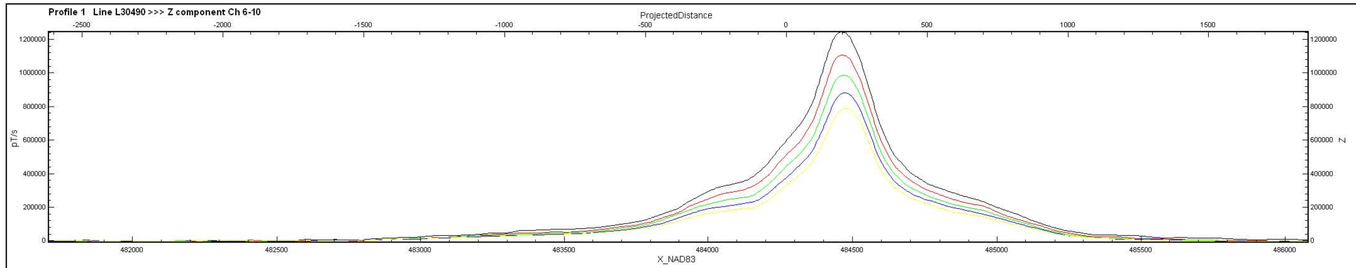

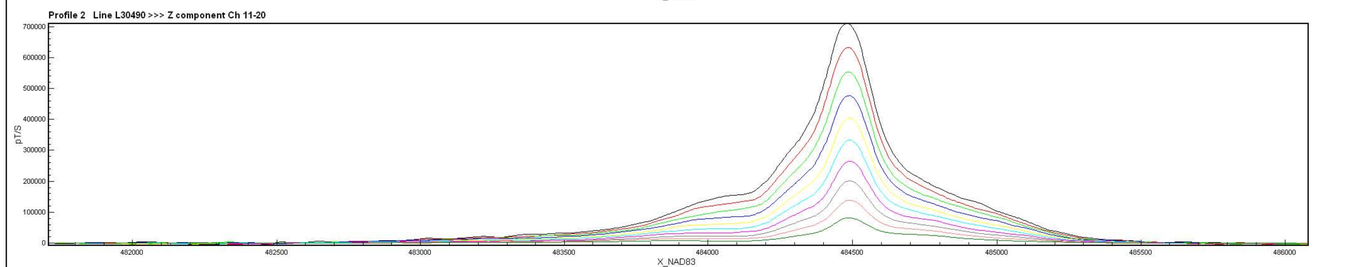

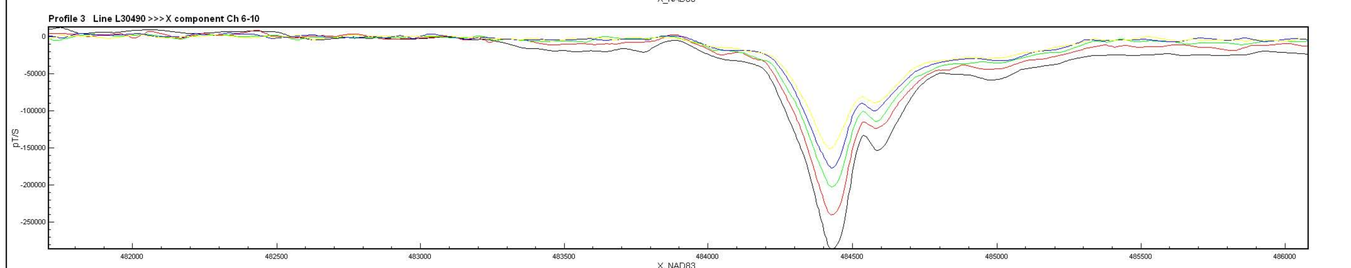

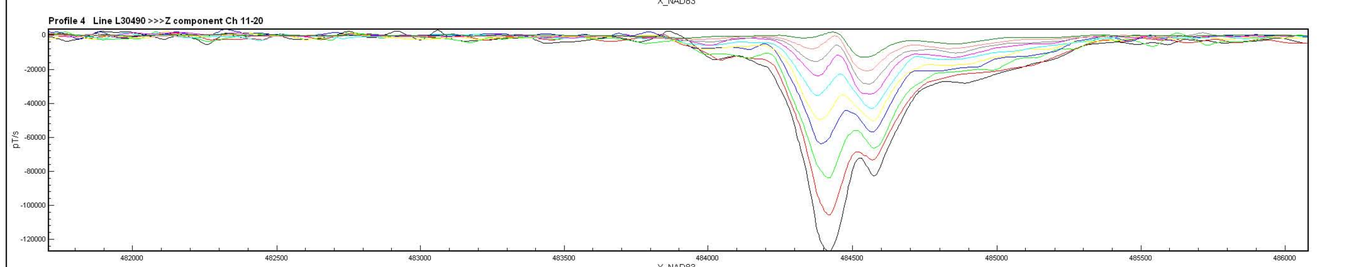

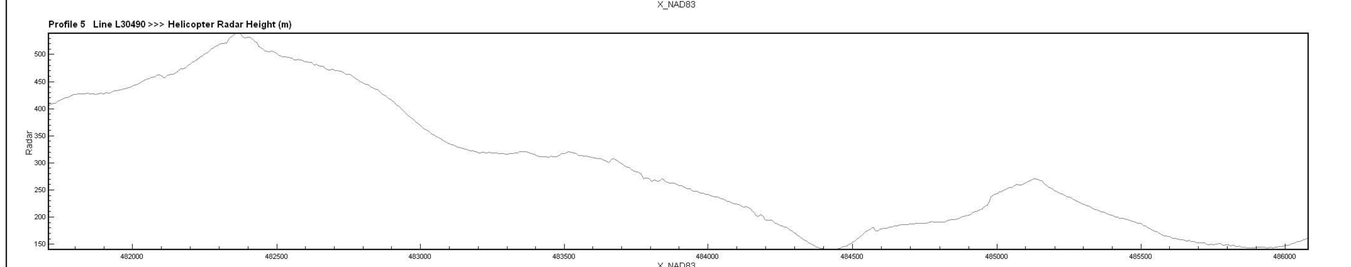

Scale 1 : 10000

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SULTAN MINERALS INC.
HeliGEOTEM ELECTROMAGNETIC SURVEY
X & Z COMPONENT PROFILES

JERSEY PROJECT,
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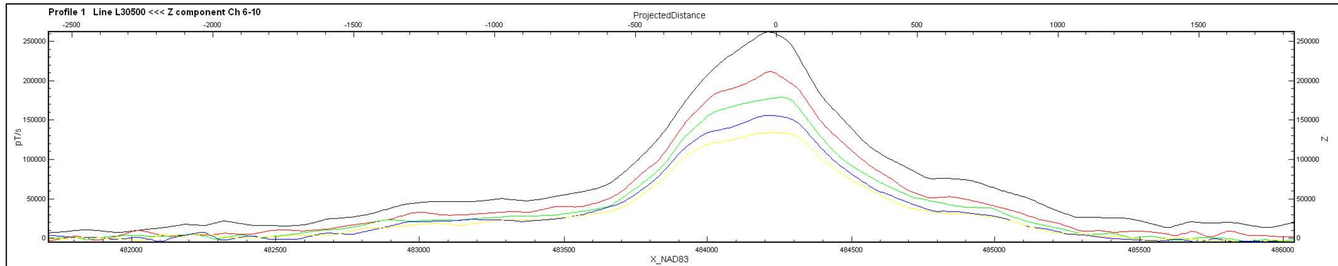

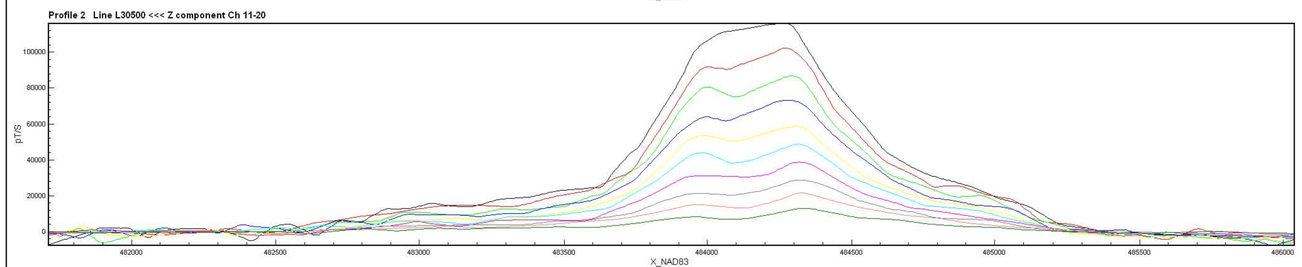

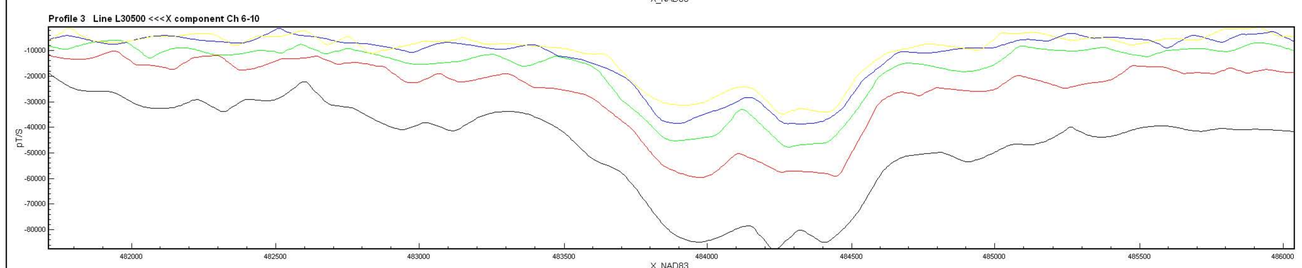

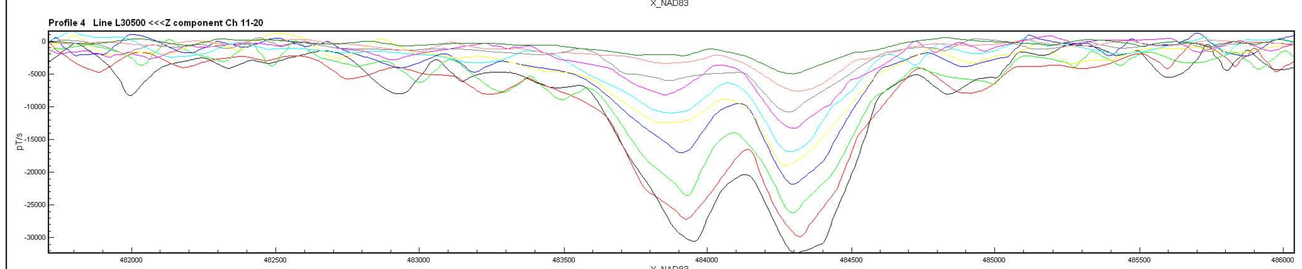

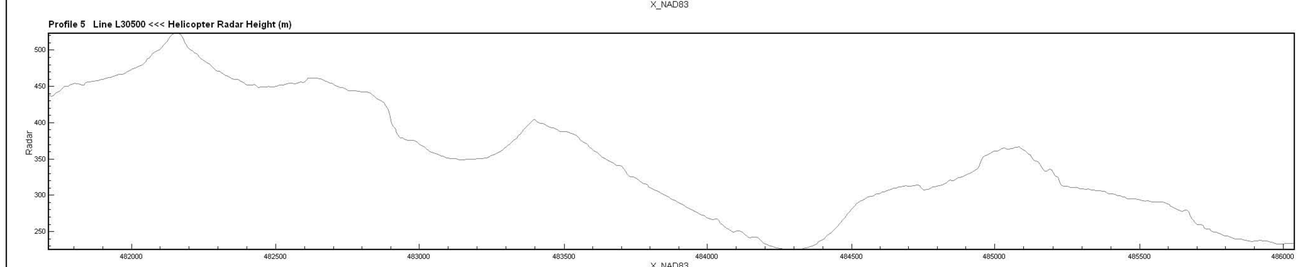

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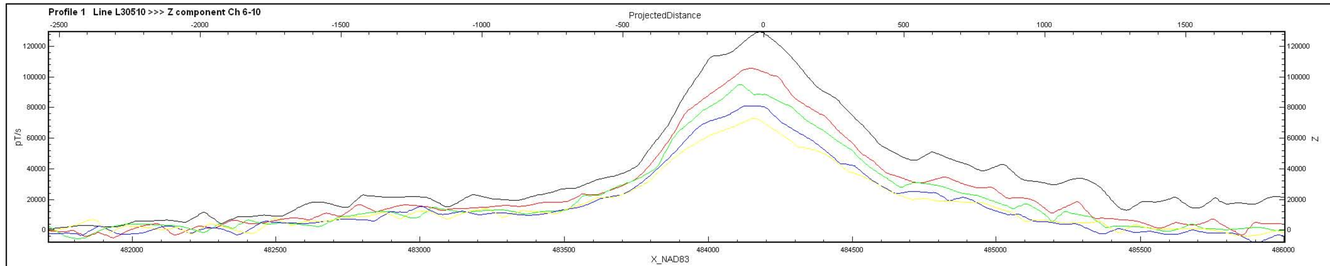

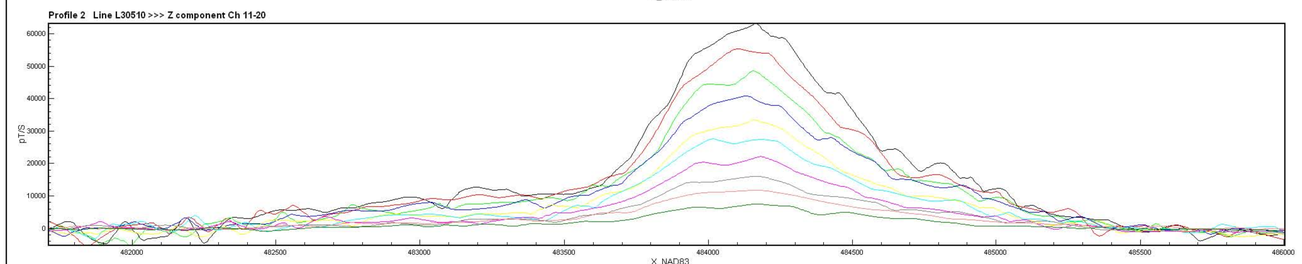

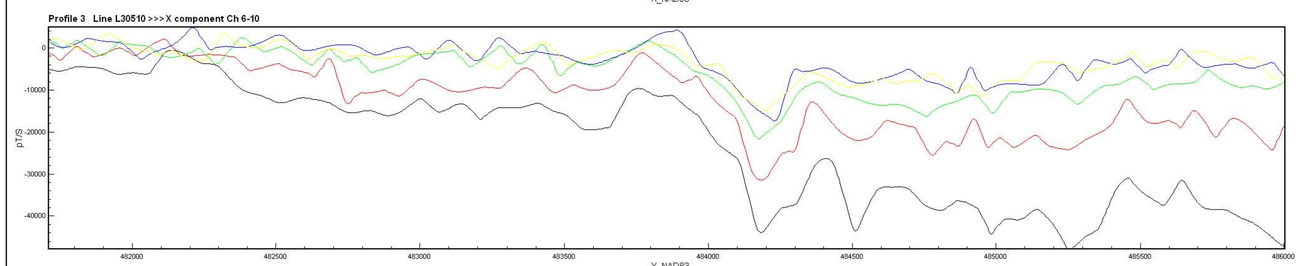

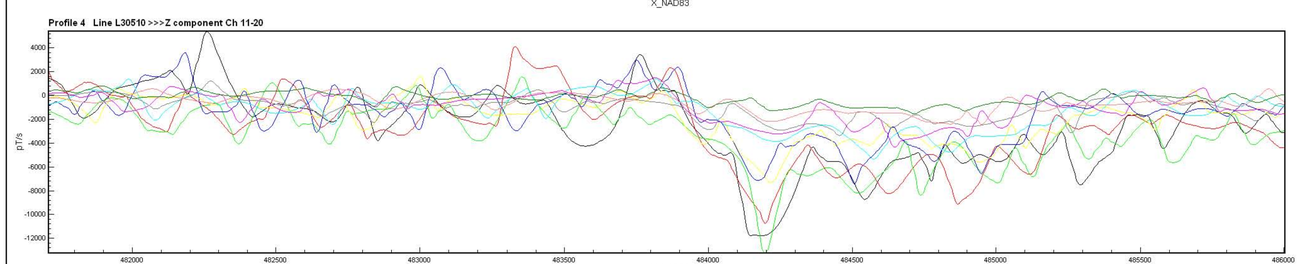

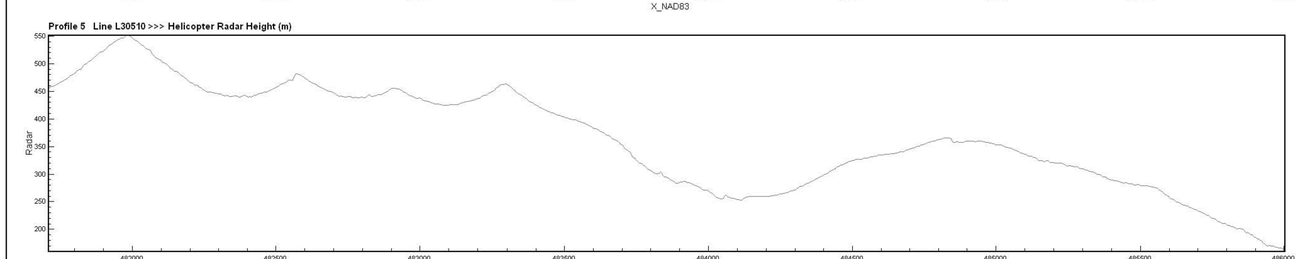

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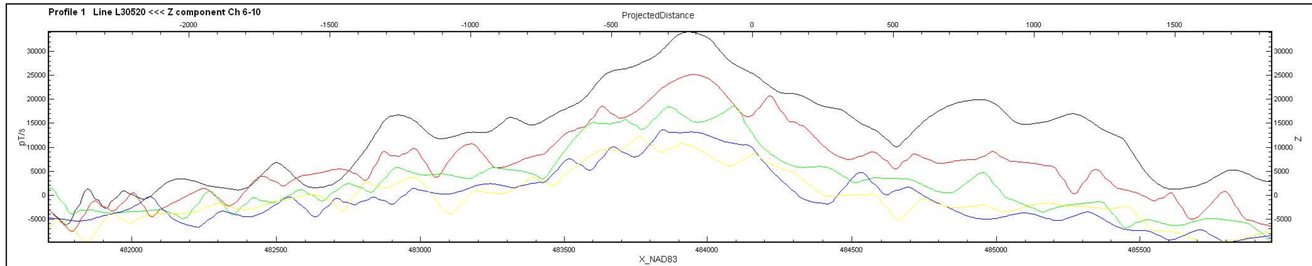

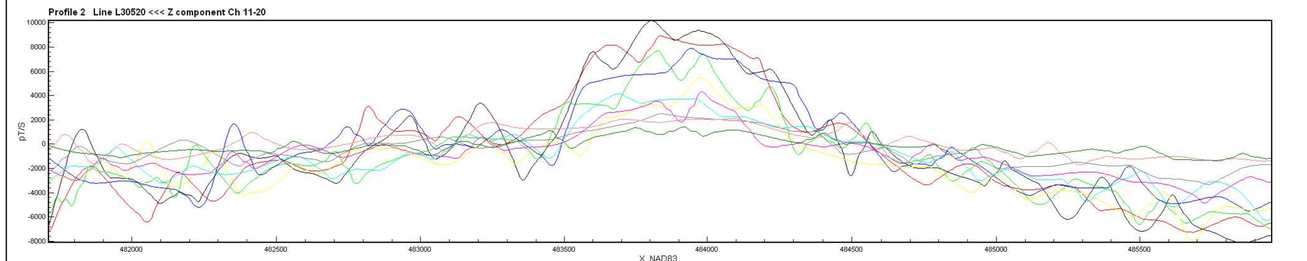

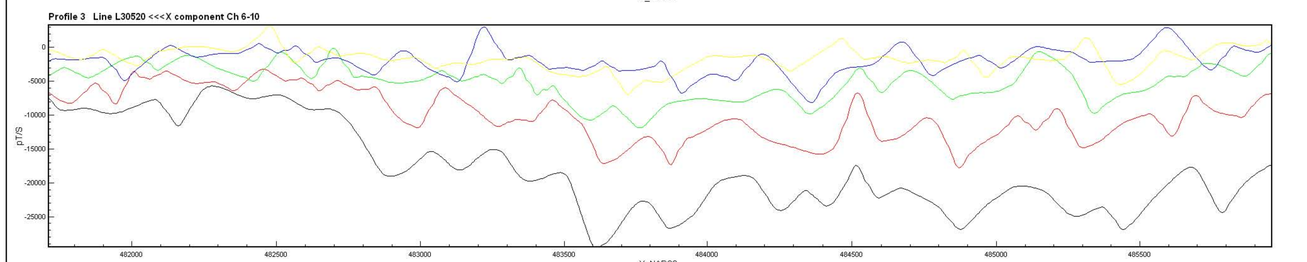

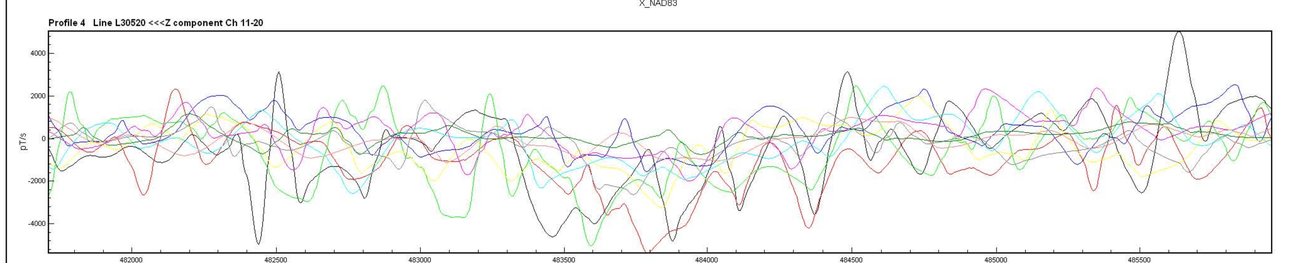

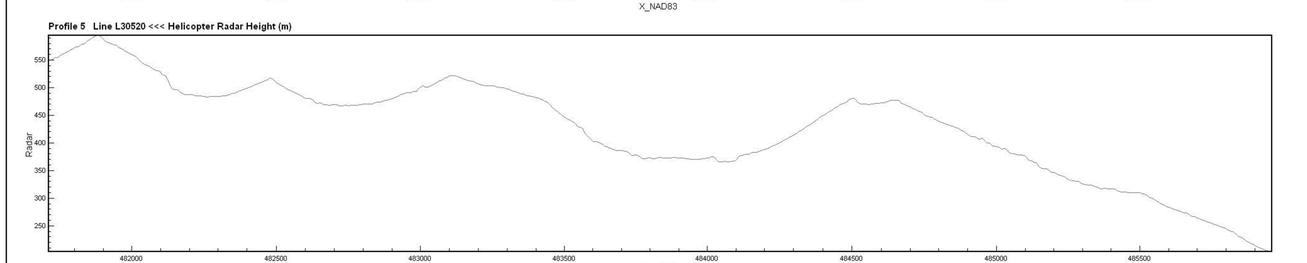

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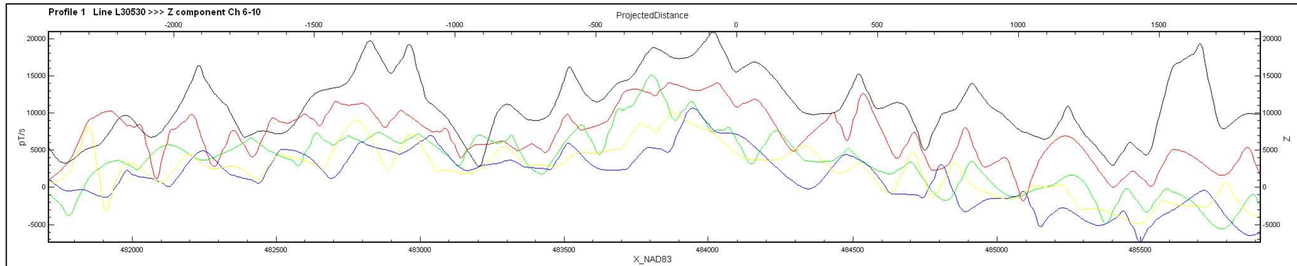

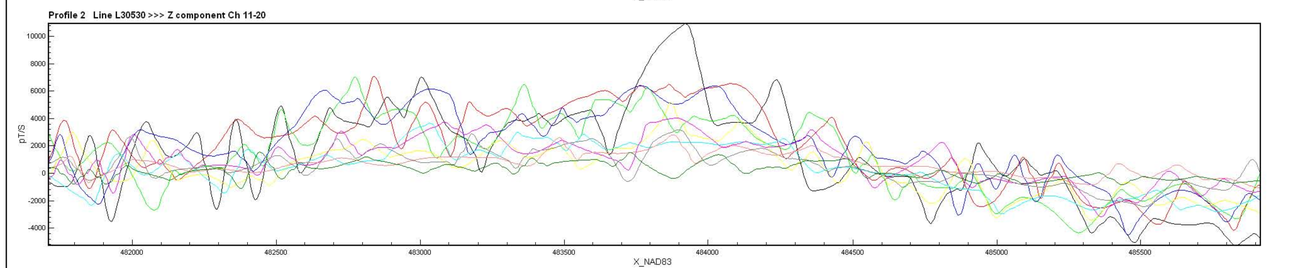

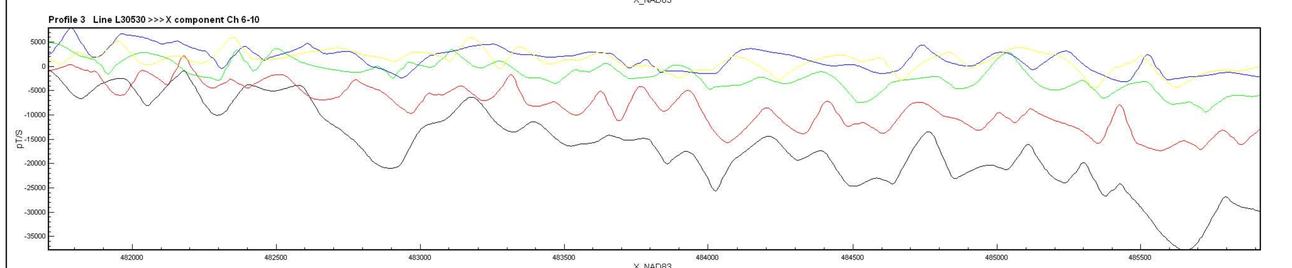

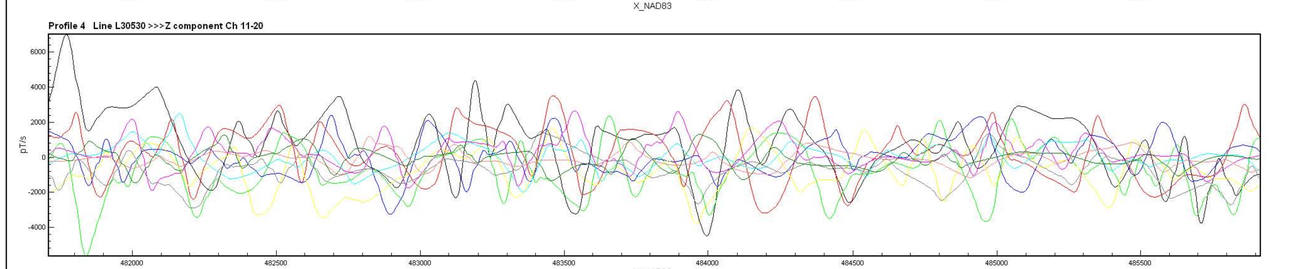

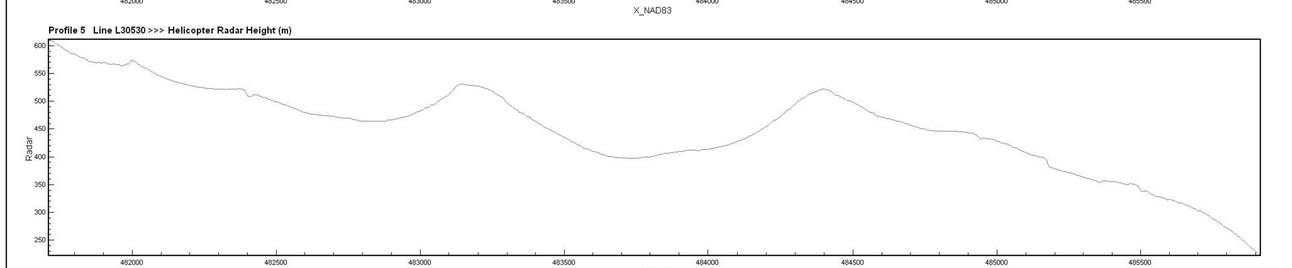

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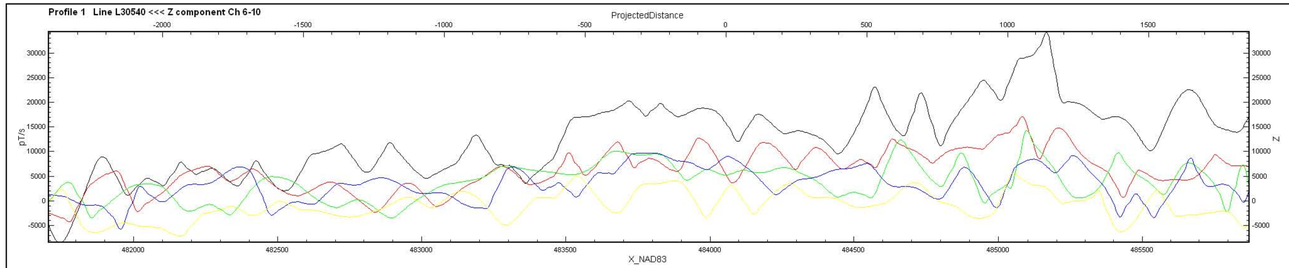

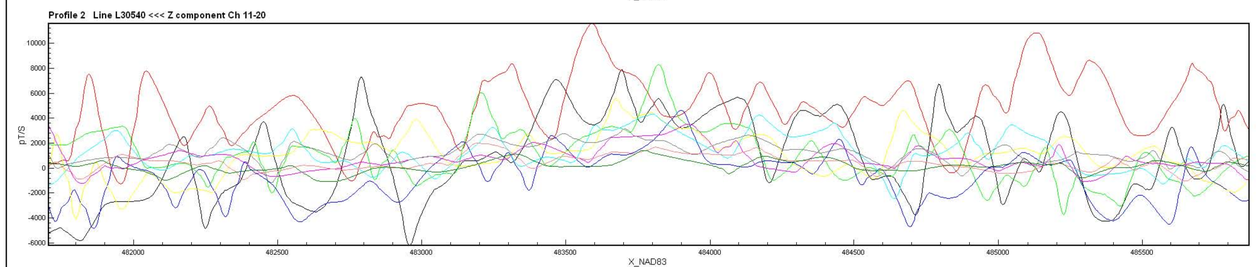

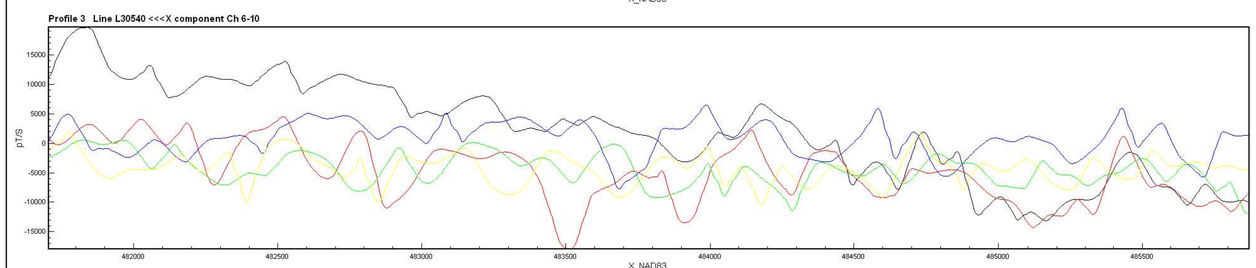

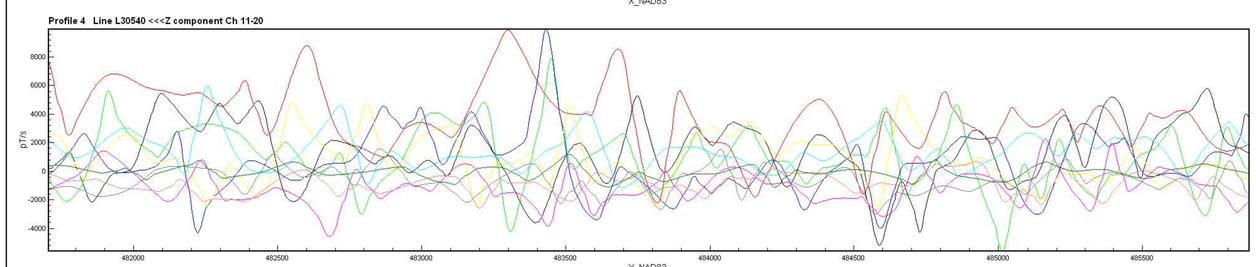

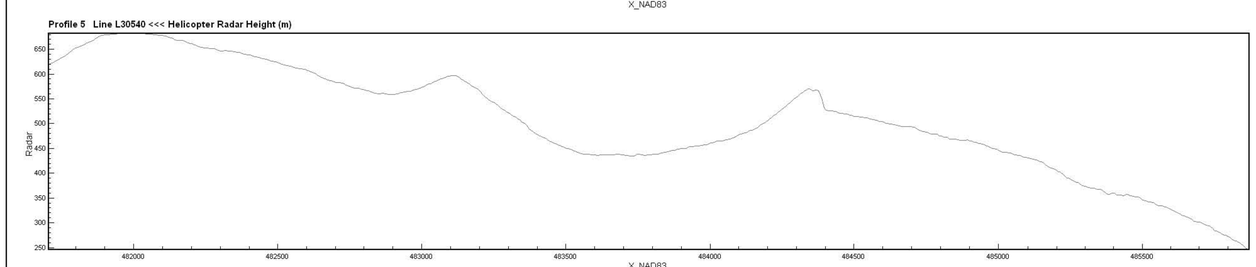

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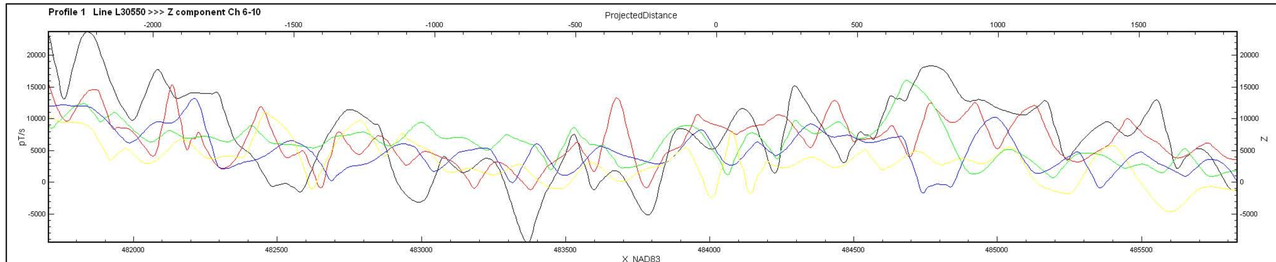

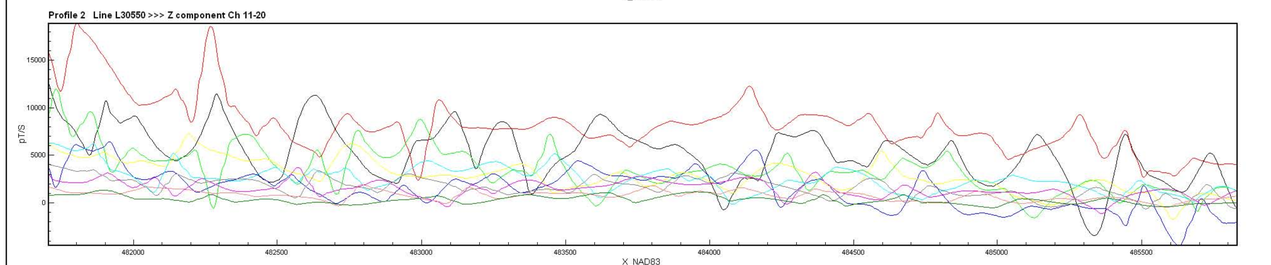

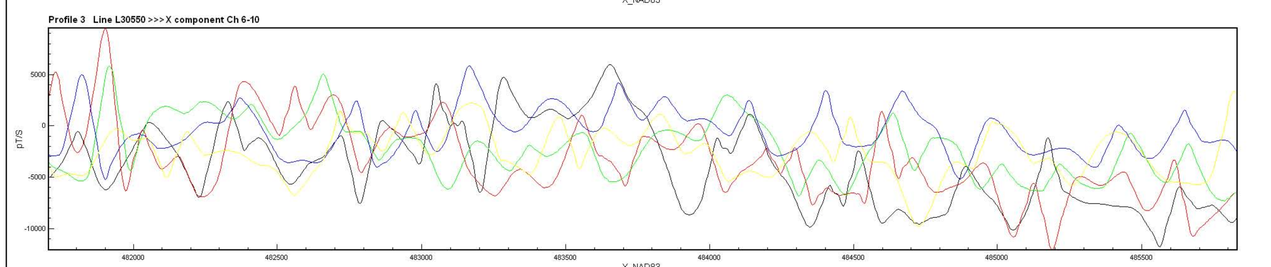

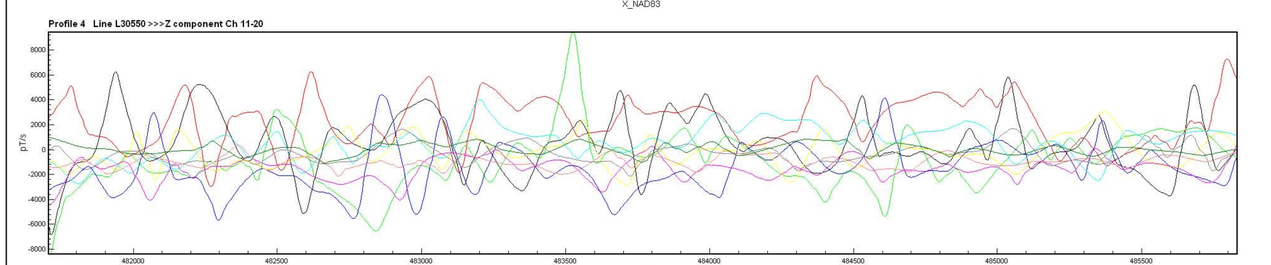

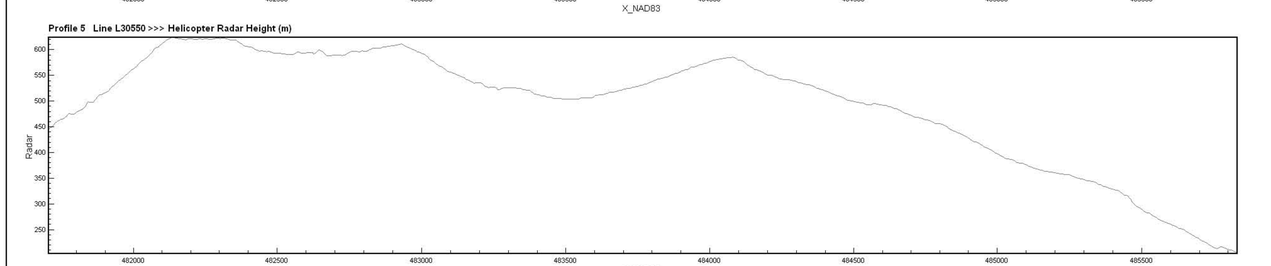

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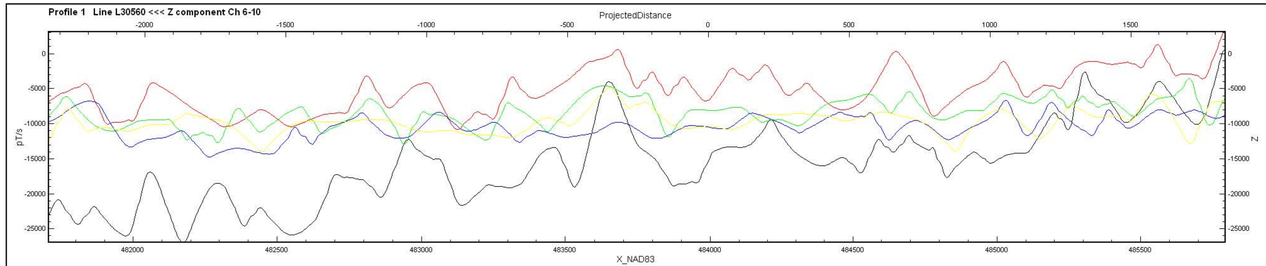

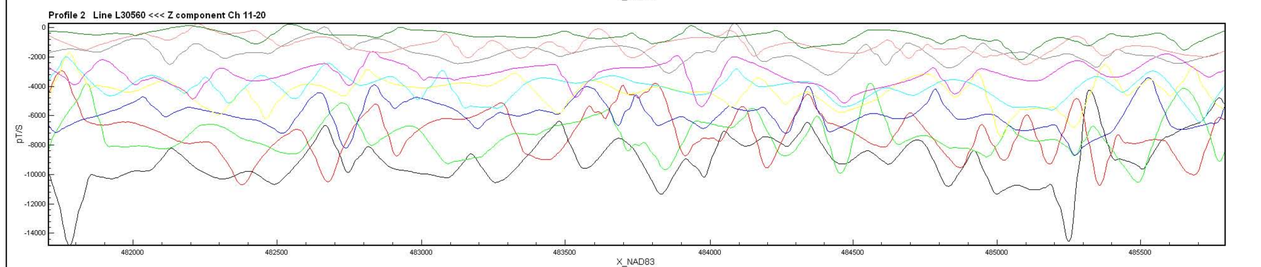

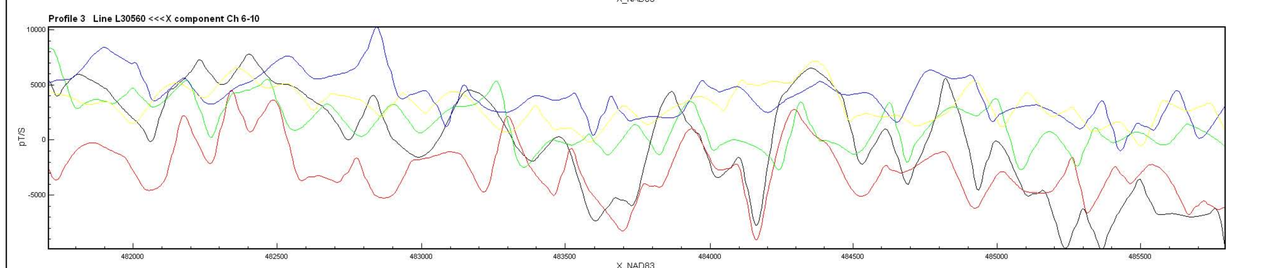

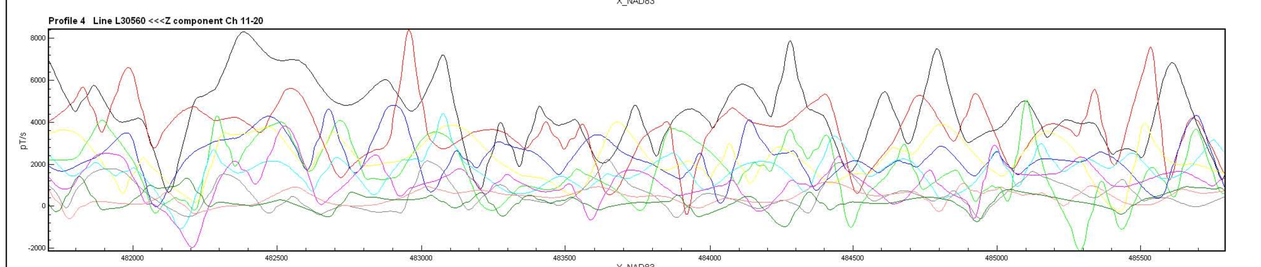

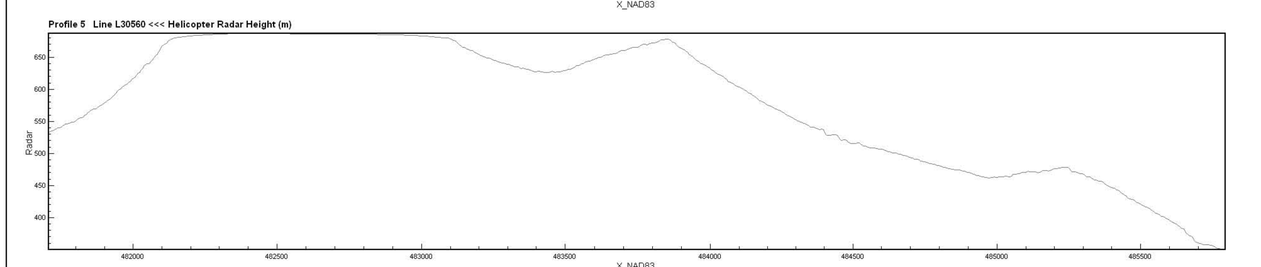

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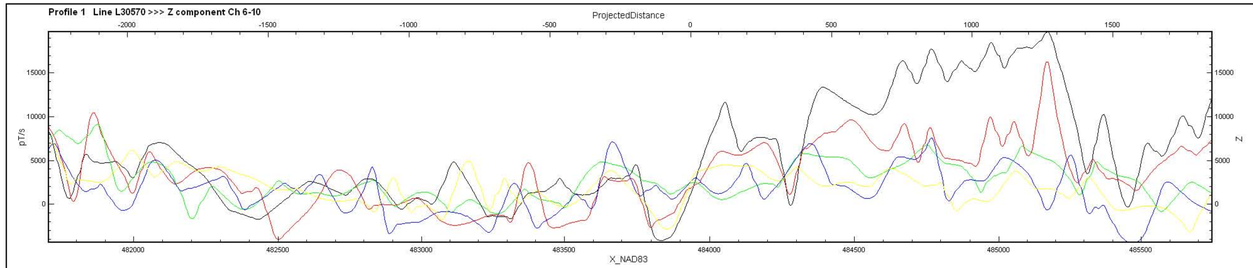

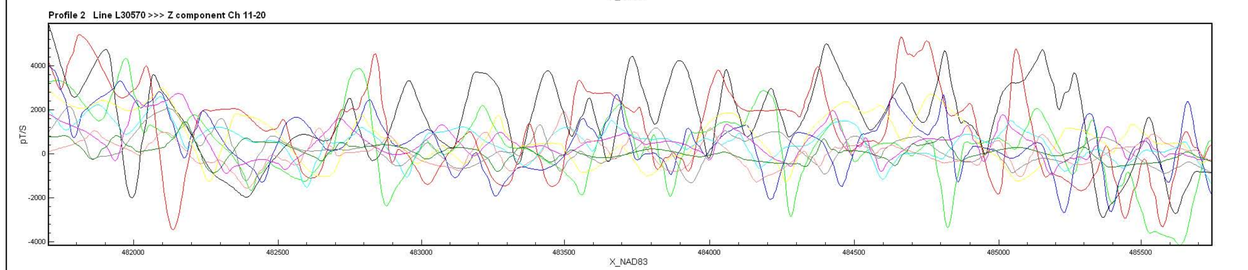

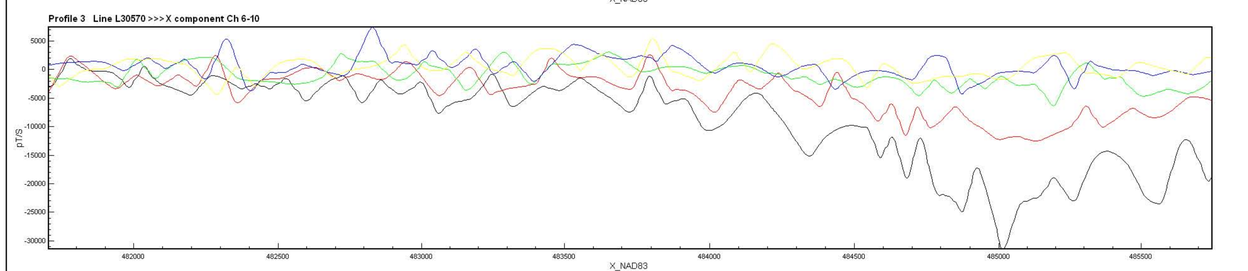

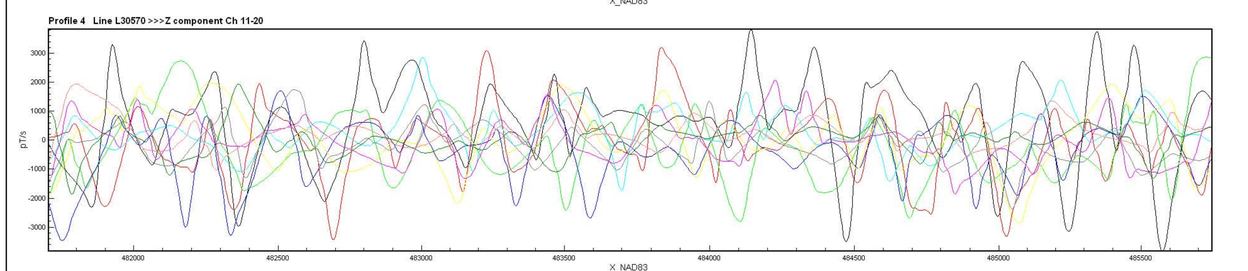

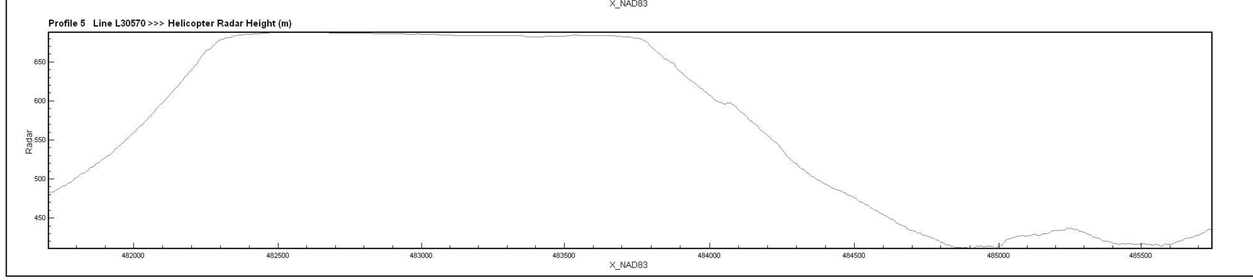

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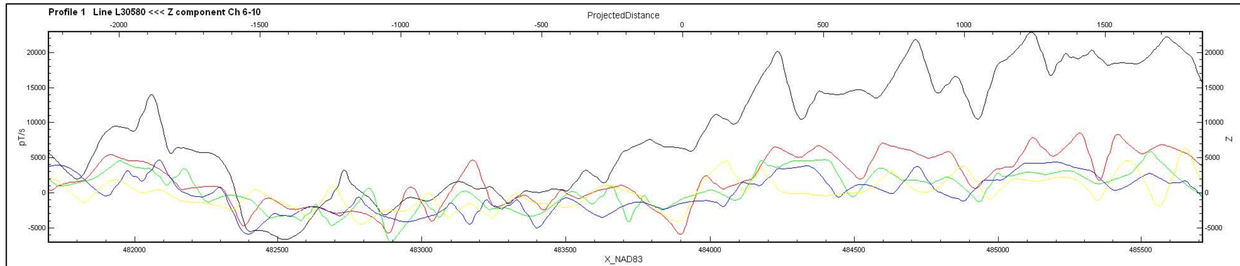

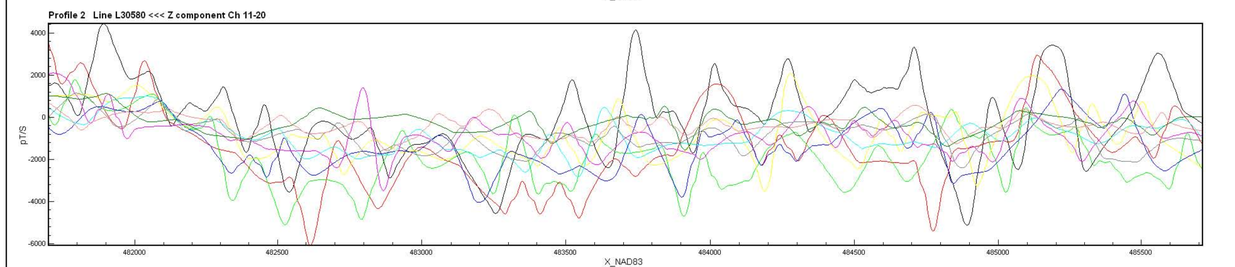

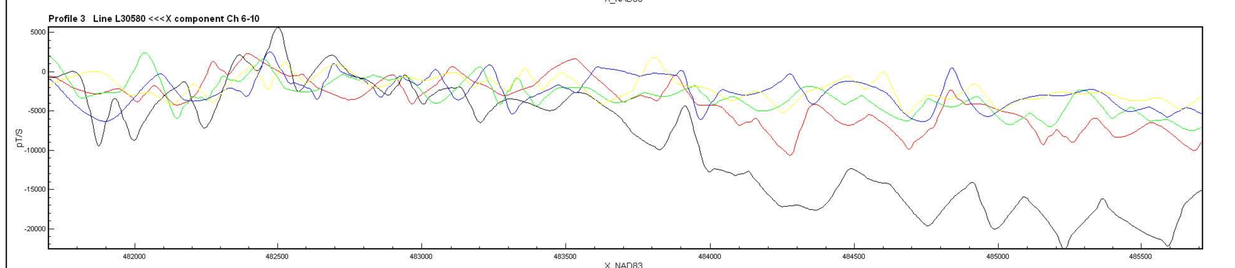

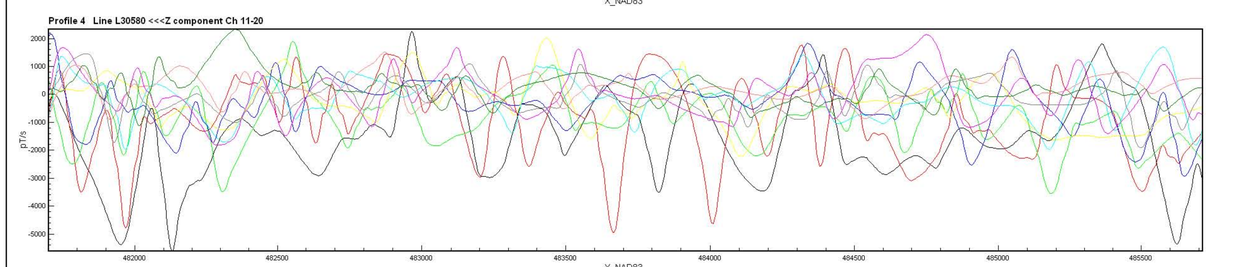

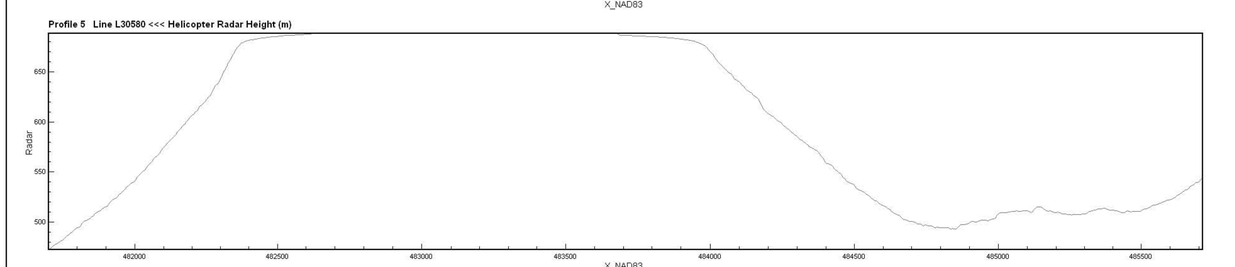

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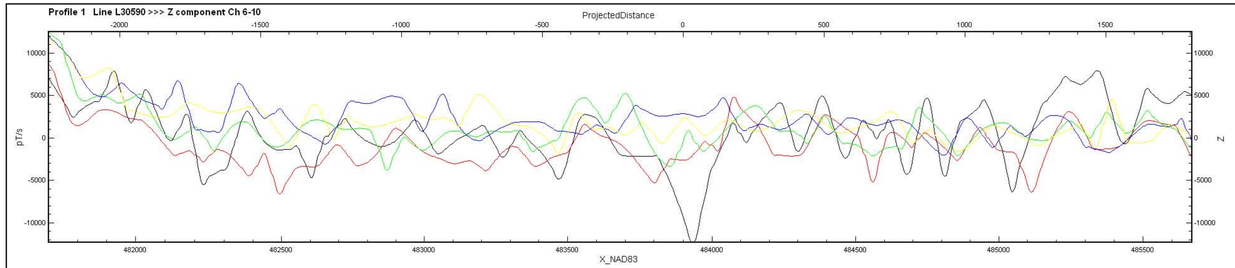

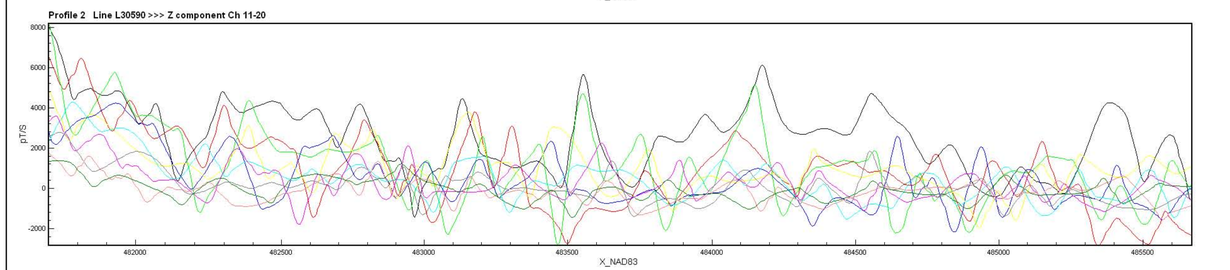

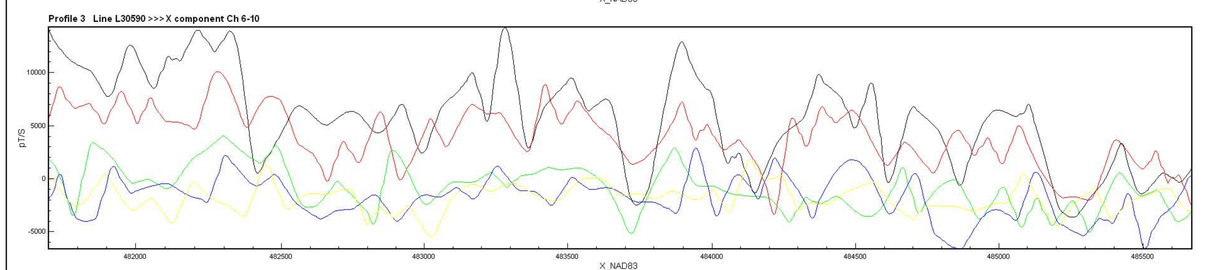

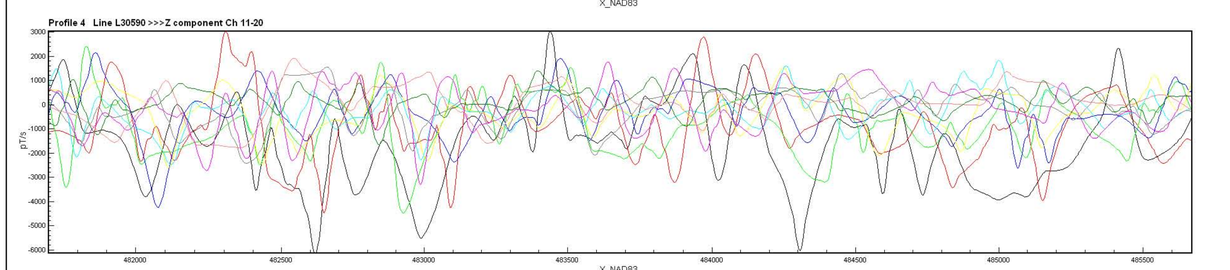

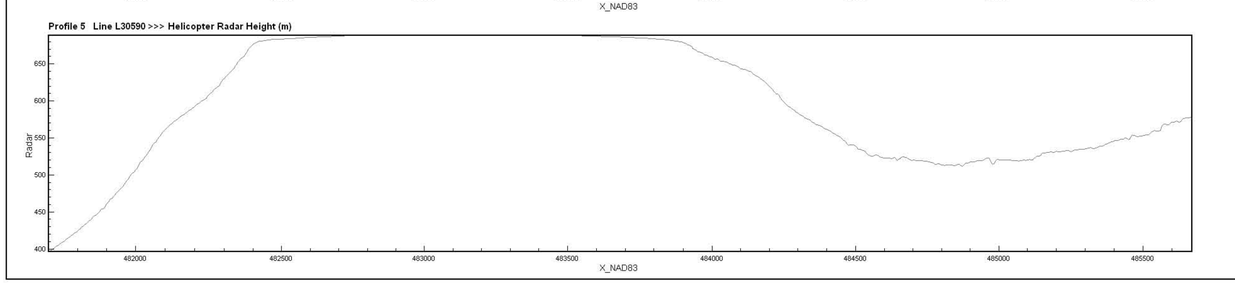

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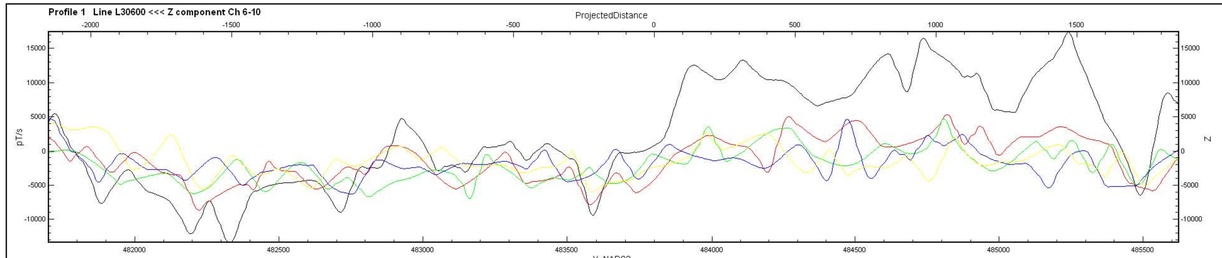
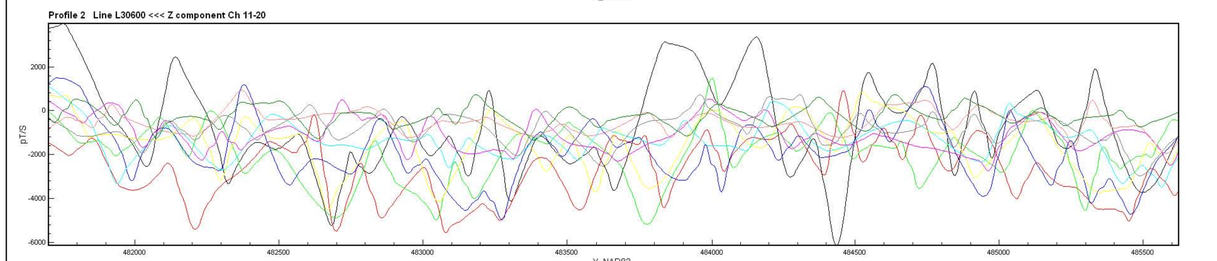
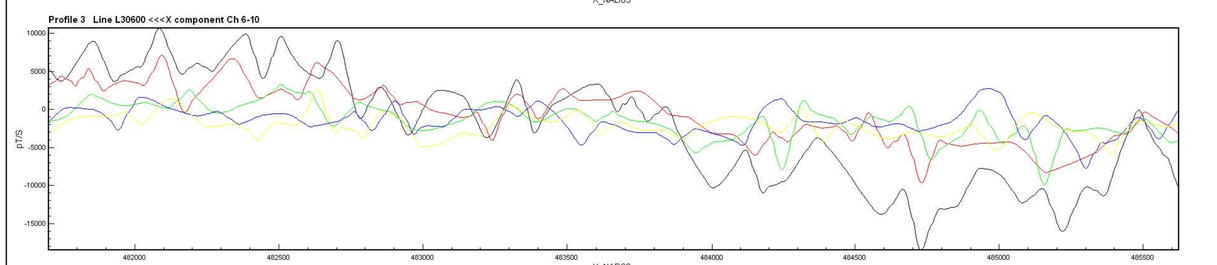
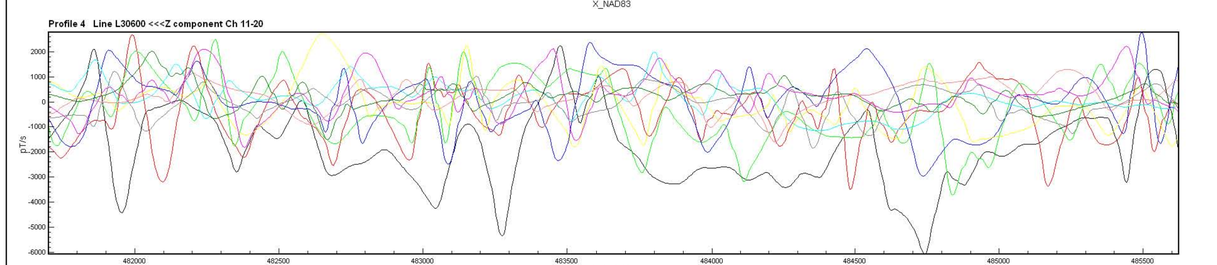
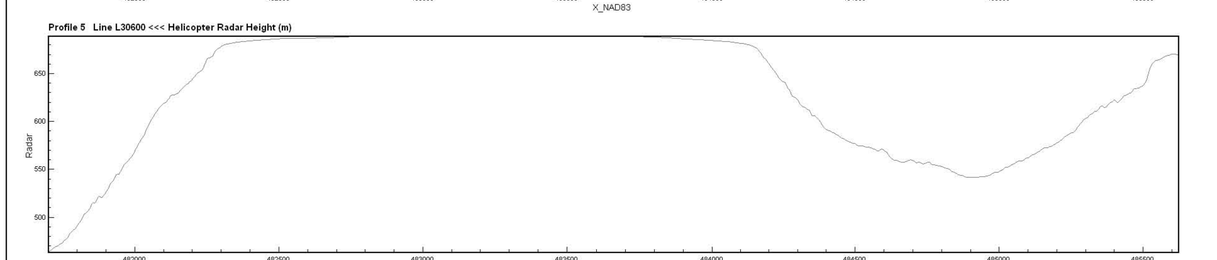
SALMO AREA, BRITISH COLUMBIA









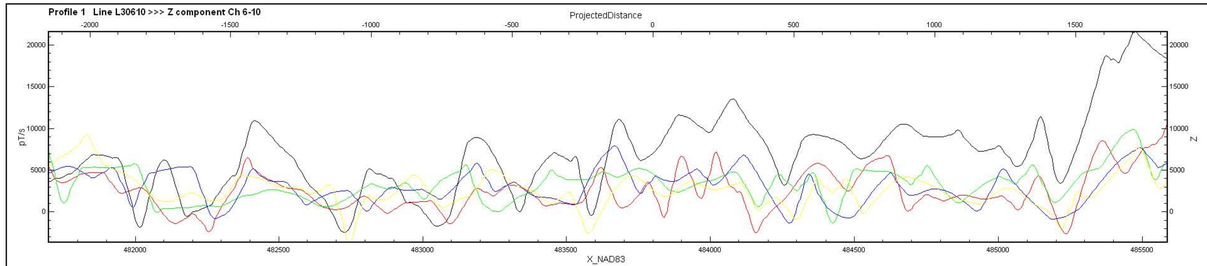


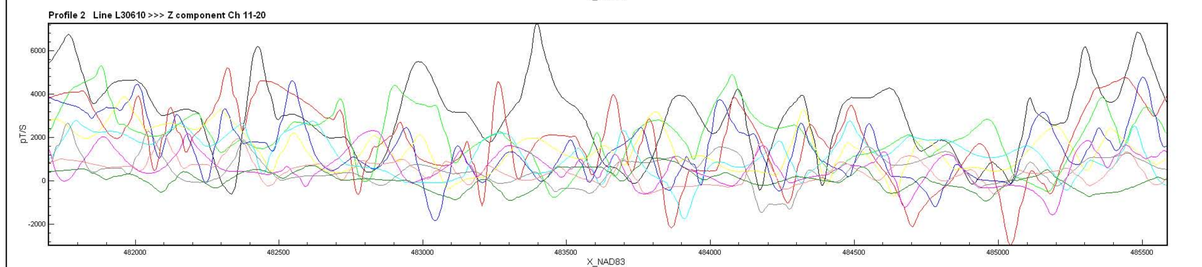
Scale 1 : 10000

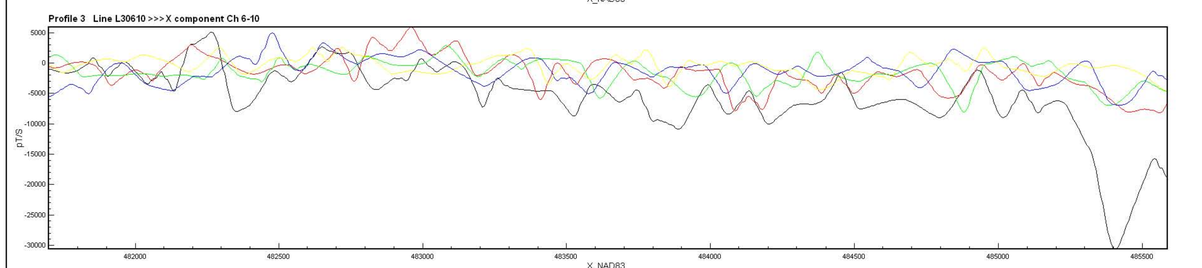
0m 200m 400m 600m 800m 1000m 1100m

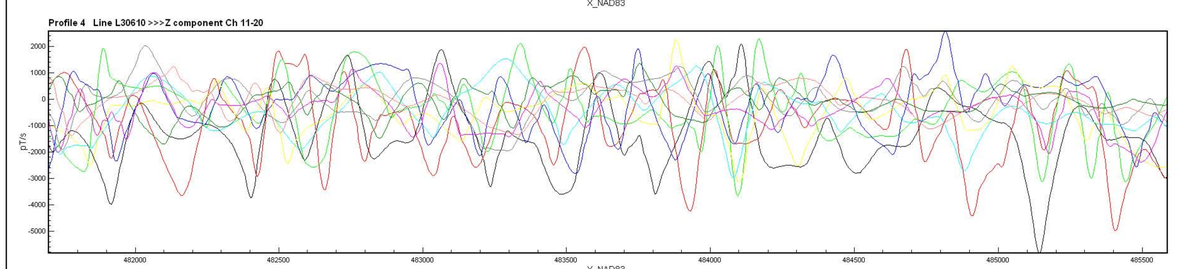
SULTAN MINERALS INC.
HeliGEOTEM ELECTROMAGNETIC SURVEY
X & Z COMPONENT PROFILES

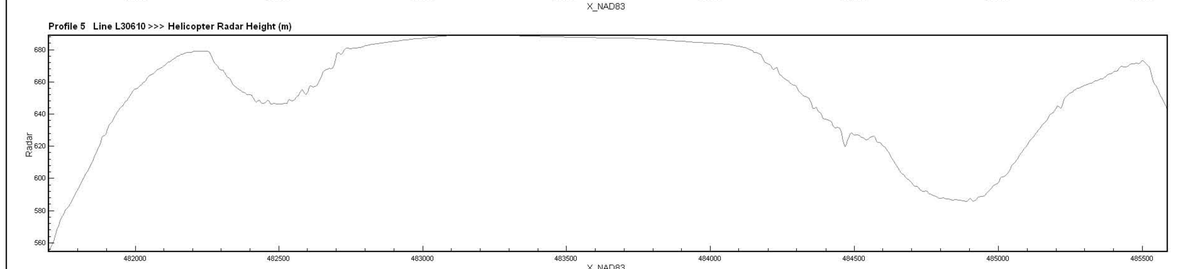
JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA









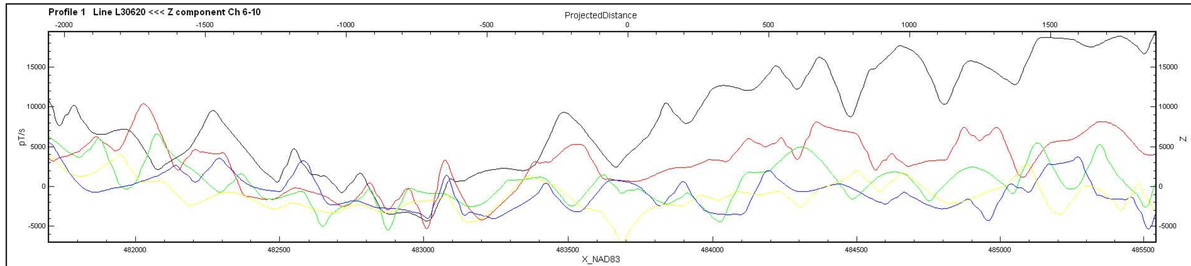


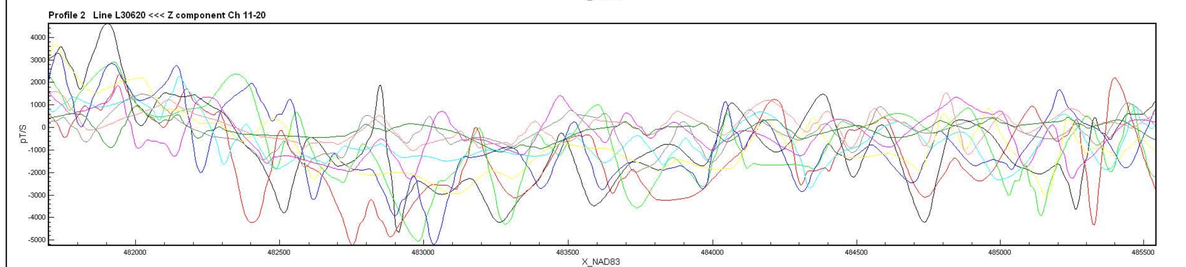
Scale 1 : 10000

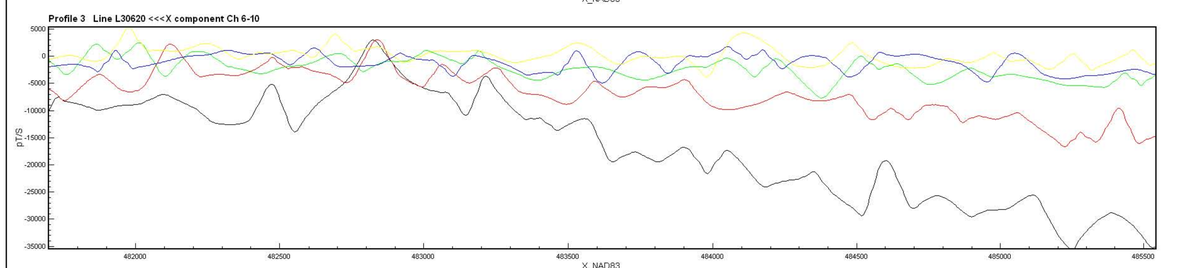
0m 200m 400m 600m 800m 1000m 1100m

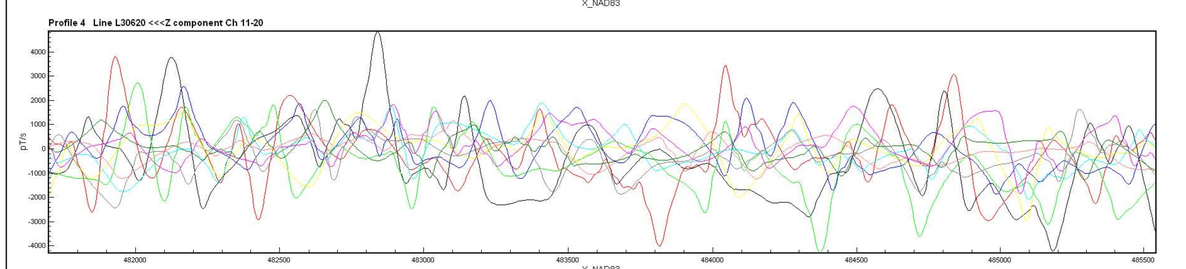
SULTAN MINERALS INC.
HeliGEOTEM ELECTROMAGNETIC SURVEY
X & Z COMPONENT PROFILES

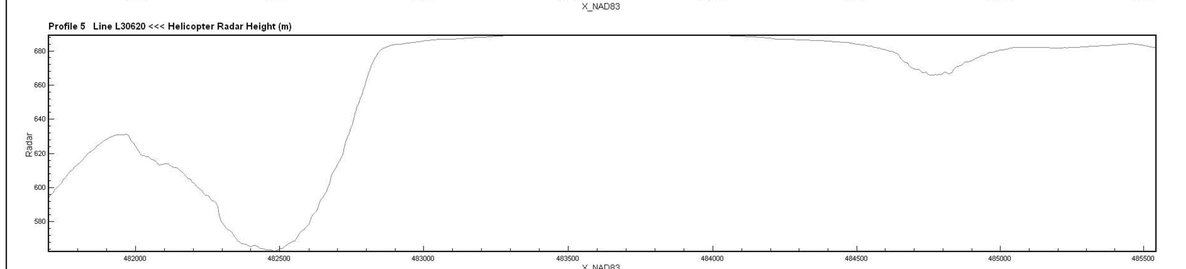
JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA











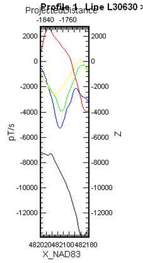
Scale 1 : 10000

0m 200m 400m 600m 800m 1000m 1100m

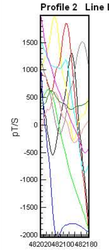
SULTAN MINERALS INC.
HeliGEOTEM ELECTROMAGNETIC SURVEY
X & Z COMPONENT PROFILES

JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA

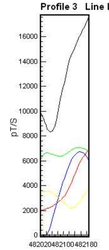
Profile 1 Line L30630 >>> Z component Ch 6-10



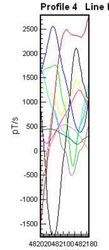
Profile 2 Line L30630 >>> Z component Ch 11-20



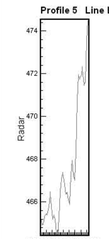
Profile 3 Line L30630 >>> X component Ch 6-10



Profile 4 Line L30630 >>> Z component Ch 11-20



Profile 5 Line L30630 >>> Helicopter Radar Height (m)



Scale 1 : 10000

0m 200m 400m 600m 800m 1000m 1100m

SULTAN MINERALS INC.
HeliGEOTEM ELECTROMAGNETIC SURVEY
X & Z COMPONENT PROFILES

JERSEY PROJECT,
SALMO AREA, BRITISH COLUMBIA

480000 480500 481000 481500 482000 482500 483000 483500 484000 484500 485000 485500 486000 486500 487000 487500 488000 488500 489000 489500

5445500 5445000 5444500 5444000 5443500 5443000 5442500 5442000 5441500 5441000 5440500 5440000 5439500 5439000 5438500 5438000 5437500 5437000 5436500 5436000 5435500 5435000 5434500 5434000 5433500 5433000 5432500

L11160 N L30010 N L11170 N L30020 N L11180 N L30030 N L11190 N L30040 N L11200 N L30050 N L11210 N L30060 N L11220 N L30070 N L11230 N L30080 N L11240 N L30090 N L11250 N L30100 N L11260 N L30110 N L11270 N L30120 N L11280 N L30130 N L11290 N L30140 N L11300 N L30150 N L11310 N L30160 N L11320 N L30170 N L11330 N L30180 N L11340 N L30190 N L11350 N L30200 N L11360 N L30210 N L11370 N L30220 N L11380 N L30230 N L11390 N L30240 N L11400 N L30250 N L11410 N L30260 N L11420 N L30270 N L11430 N L30280 N L11440 N L30290 N L11450 N L30300 N L11460 N L30310 N L11470 N L30320 N L11480 N L30330 N L11490 N L30340 N L11500 N L30350 N L11510 N L30360 N L11520 N L30370 N L11530 N L30380 N L11540 N L30390 N L11550 N L30400 N L11560 N L30410 N L11570 N L30420 N L11580 N L30430 N L11590 N L30440 N L11600 N L30450 N L11610 N L30460 N L11620 N L30470 N L11630 N L30480 N L11640 N L30490 N L11650 N L30500 N L11660 N L30510 N L11670 N L30520 N L11680 N L30530 N L11690 N L30540 N L11700 N L30550 N L11710 N L30560 N L11720 N L30570 N L11730 N L30580 N L11740 N L30590 N L11750 N L30600 N L11761 N L30610 N L11771 N L30620 N L11780 N L30630 N

56500 56750 57000

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56450.7
56419.4

nT

Scale 1:20000

250 0 250 500 750 1000 1250 1500

(meters)

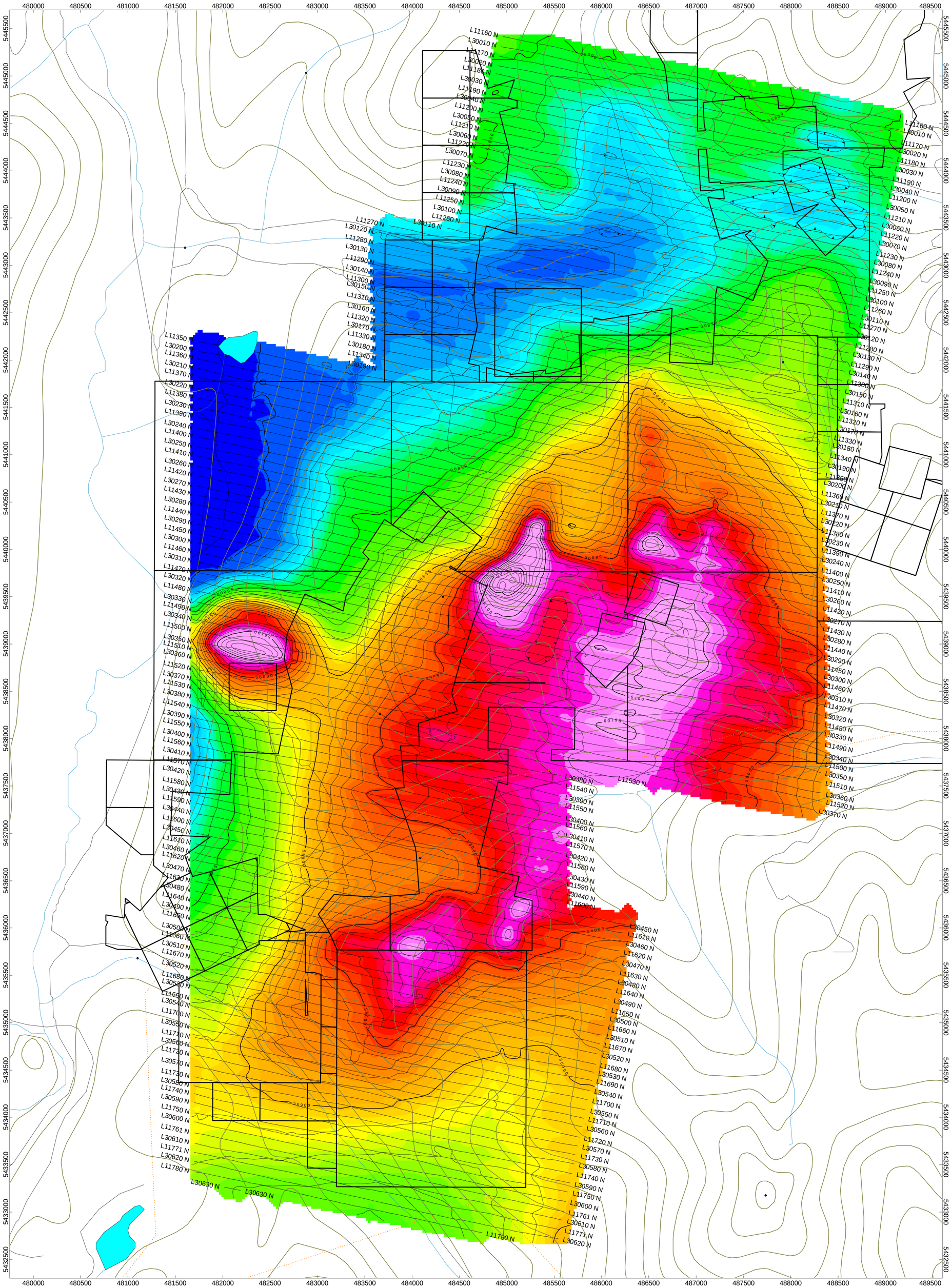
NAD83 / UTM zone 11N

SULTAN MINERAL INC

HISTORIC AIRBORNE MAGNETIC SURVEY
PRELIMINARY
CONTOURS OF 1993 TOTAL FIELD INTENSITY (nT)

JERSEY PROPERTY
SALMO AREA, BRITISH COLUMBIA
Data by: Dighem

PETER E. WALCOTT & ASSOCIATES LIMITED

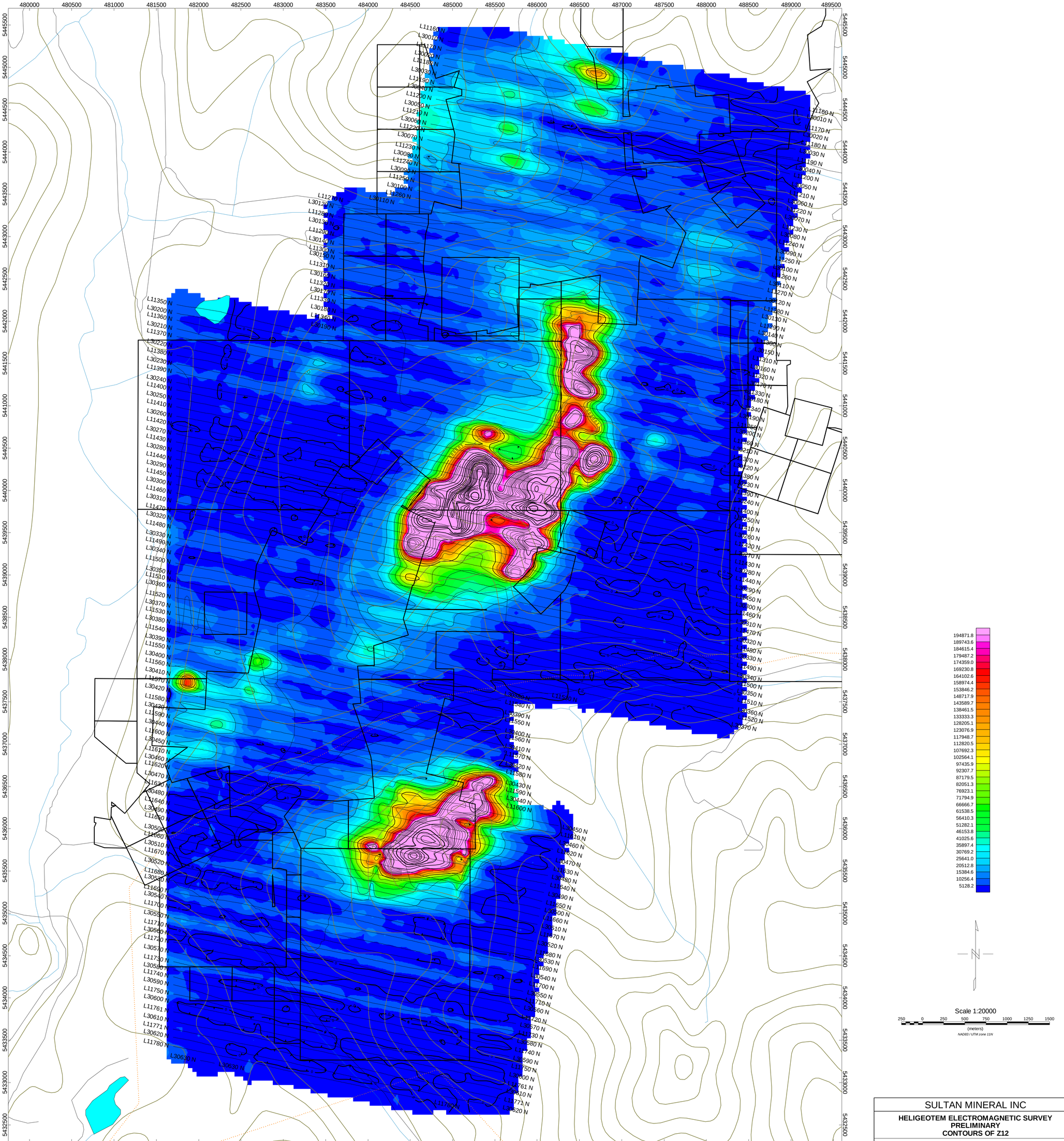


SULTAN MINERAL INC

HELIGEOTEM MAGNETIC SURVEY
PRELIMINARY
CONTOURS OF TOTAL FIELD INTENSITY (nT)

JERSEY PROPERTY
SALMO AREA, BRITISH COLUMBIA
Data by: Fugro Airborne

PETER E. WALCOTT & ASSOCIATES LIMITED

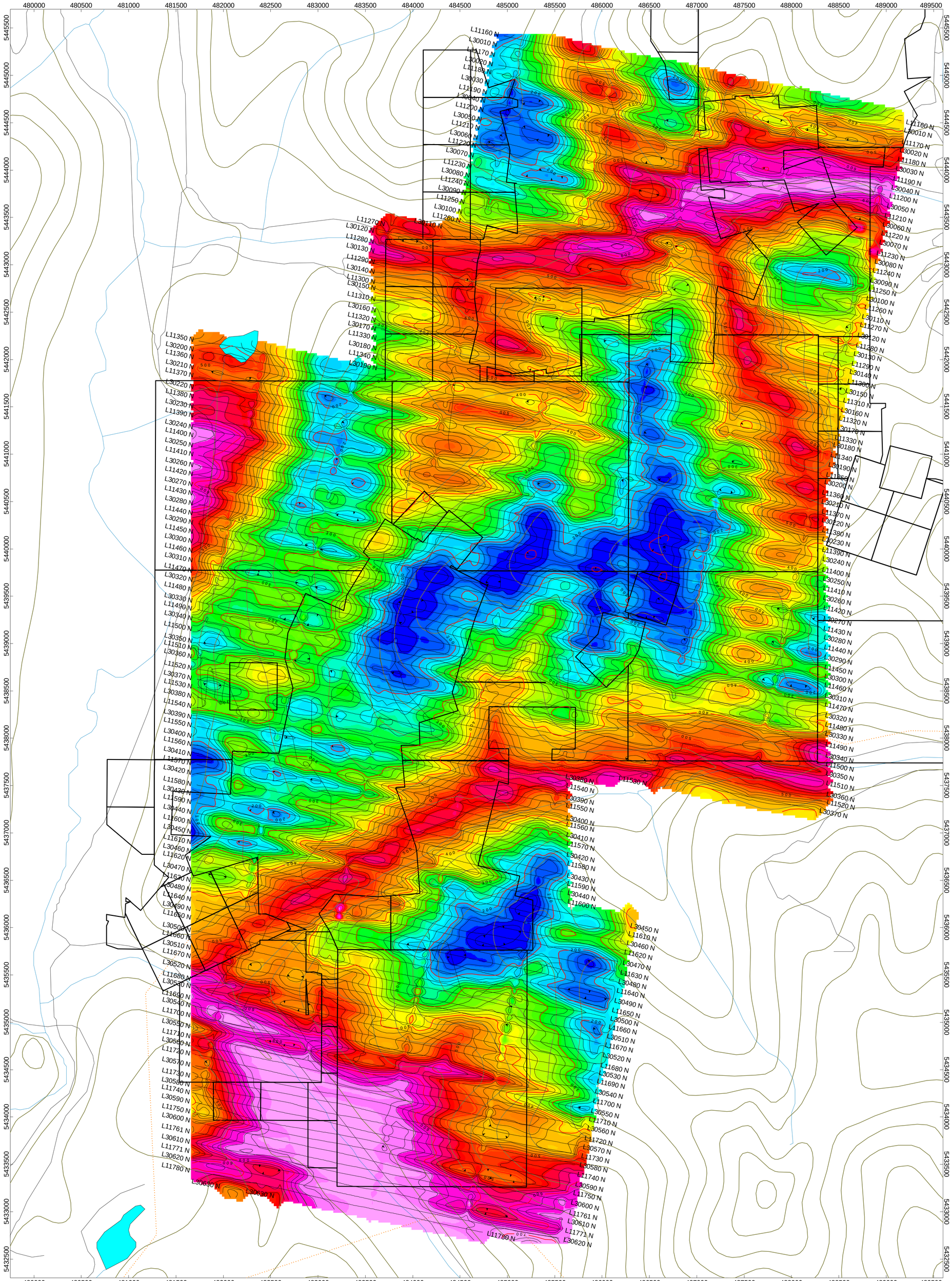


SULTAN MINERAL INC

HELIGEOTEM ELECTROMAGNETIC SURVEY
PRELIMINARY
CONTOURS OF Z12

JERSEY PROPERTY
SALMO AREA, BRITISH COLUMBIA
Data by: Fugro Airborne

PETER E. WALCOTT & ASSOCIATES LIMITED



SULTAN MINERAL INC

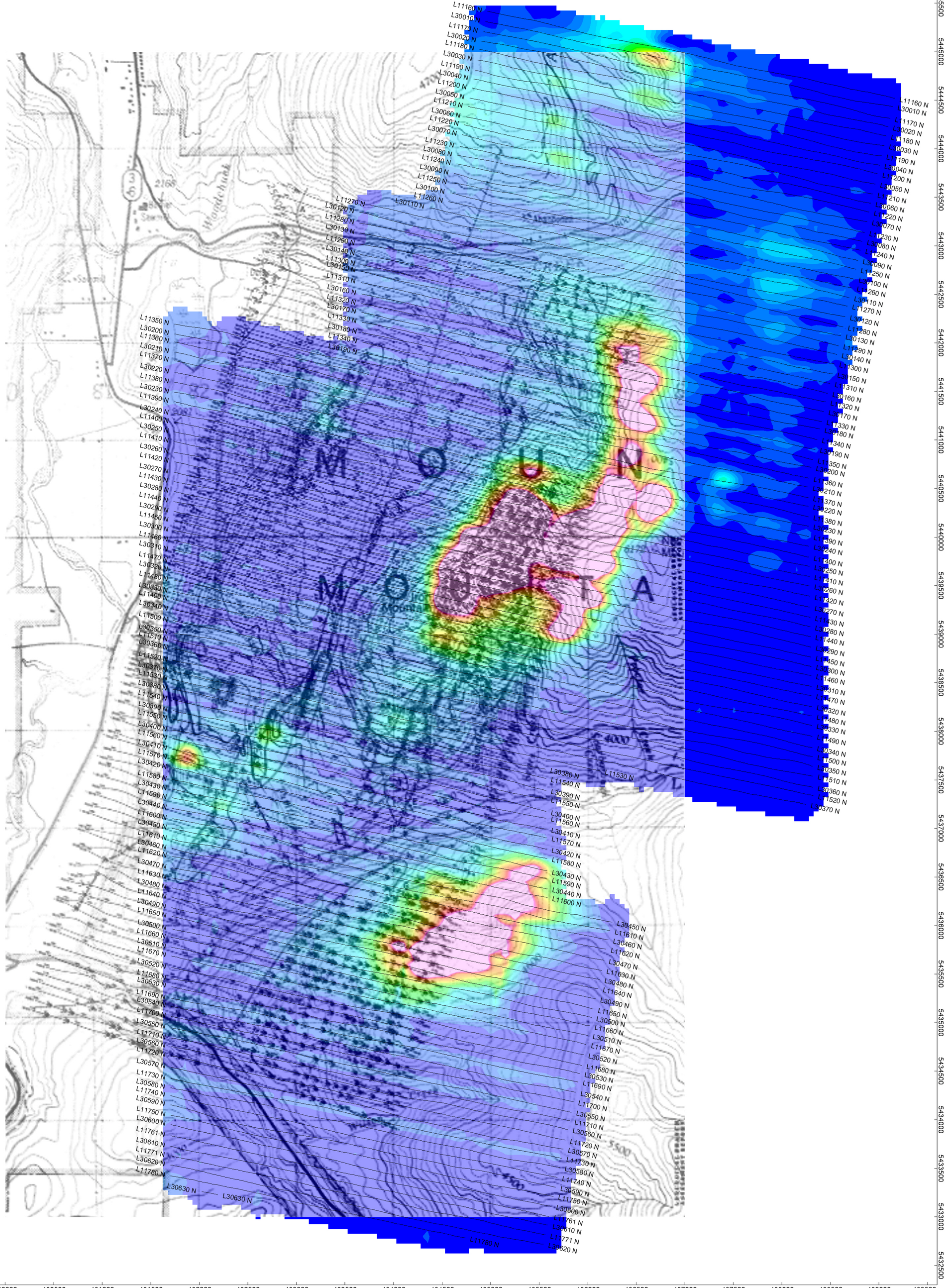
HELIGEOTEM ELECTROMAGNETIC SURVEY
PRELIMINARY
CONTOURS OF HELICOPTER RADAR HEIGHT

JERSEY PROPERTY
SALMO AREA, BRITISH COLUMBIA
Data by: Fugro Airborne

PETER E. WALCOTT & ASSOCIATES LIMITED

480000 480500 481000 481500 482000 482500 483000 483500 484000 484500 485000 485500 486000 486500 487000 487500 488000 488500 489000 489500

5445500 5445000 5444500 5444000 5443500 5443000 5442500 5442000 5441500 5441000 5440500 5440000 5439500 5439000 5438500 5438000 5437500 5437000 5436500 5436000 5435500 5435000 5434500 5434000 5433500 5433000 5432500



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117948.7
112820.5
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102564.1
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82051.3
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71794.9
66666.7
61538.5
56410.3
51282.1
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25641.0
20512.8
15384.6
10256.4
5128.2

Scale 1:20000

250 0 250 500 750 1000 1250 1500

(meters)

NAD83 / UTM zone 11N

SULTAN MINERAL INC

HELIGEOTEM ELECTROMAGNETIC SURVEY
PRELIMINARY
CONTOURS OF Z12 WITH HISTORIC DIGHEM SURVEY

JERSEY PROPERTY
SALMO AREA, BRITISH COLUMBIA
Data by: Fugro Airborne

PETER E. WALCOTT & ASSOCIATES LIMITED