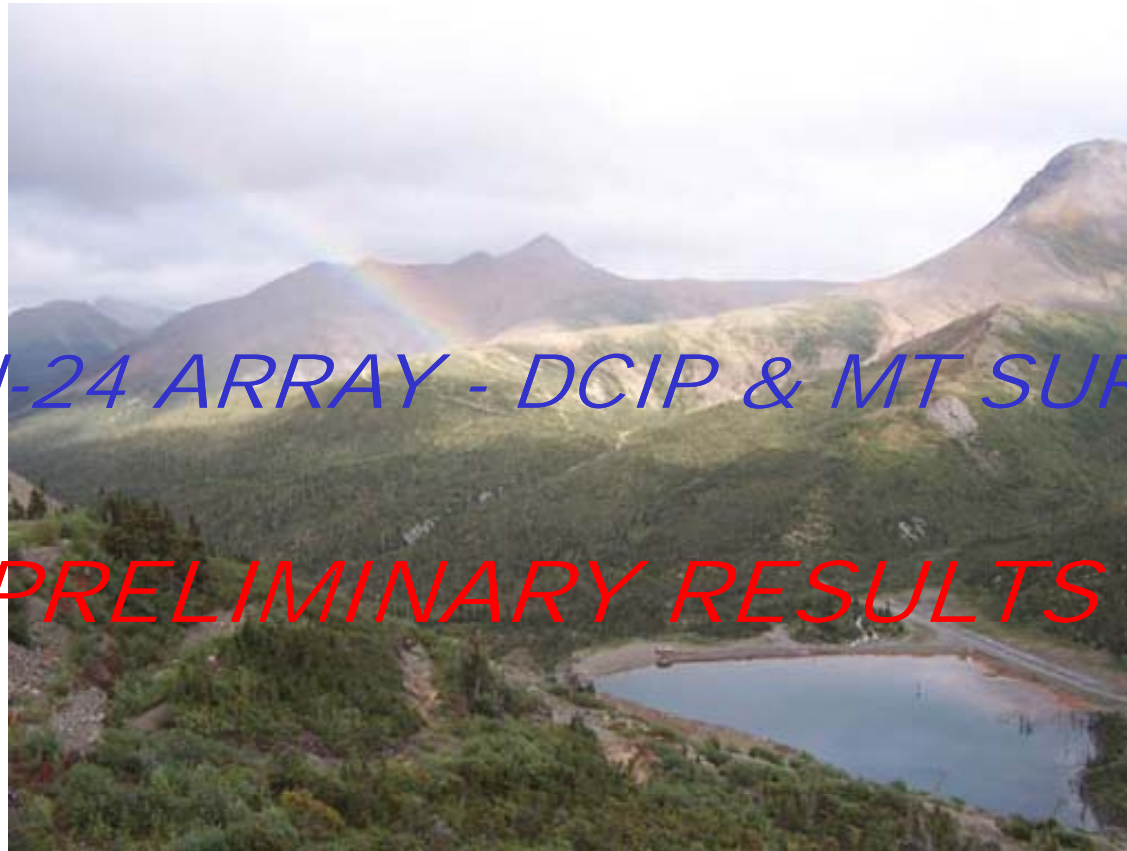


*KETZA PROJECT, KETZA RIVER HOLDINGS LTD  
QUANTEC PROJECT CA00681T*



*TITAN-24 ARRAY - DCIP & MT SURVEY*

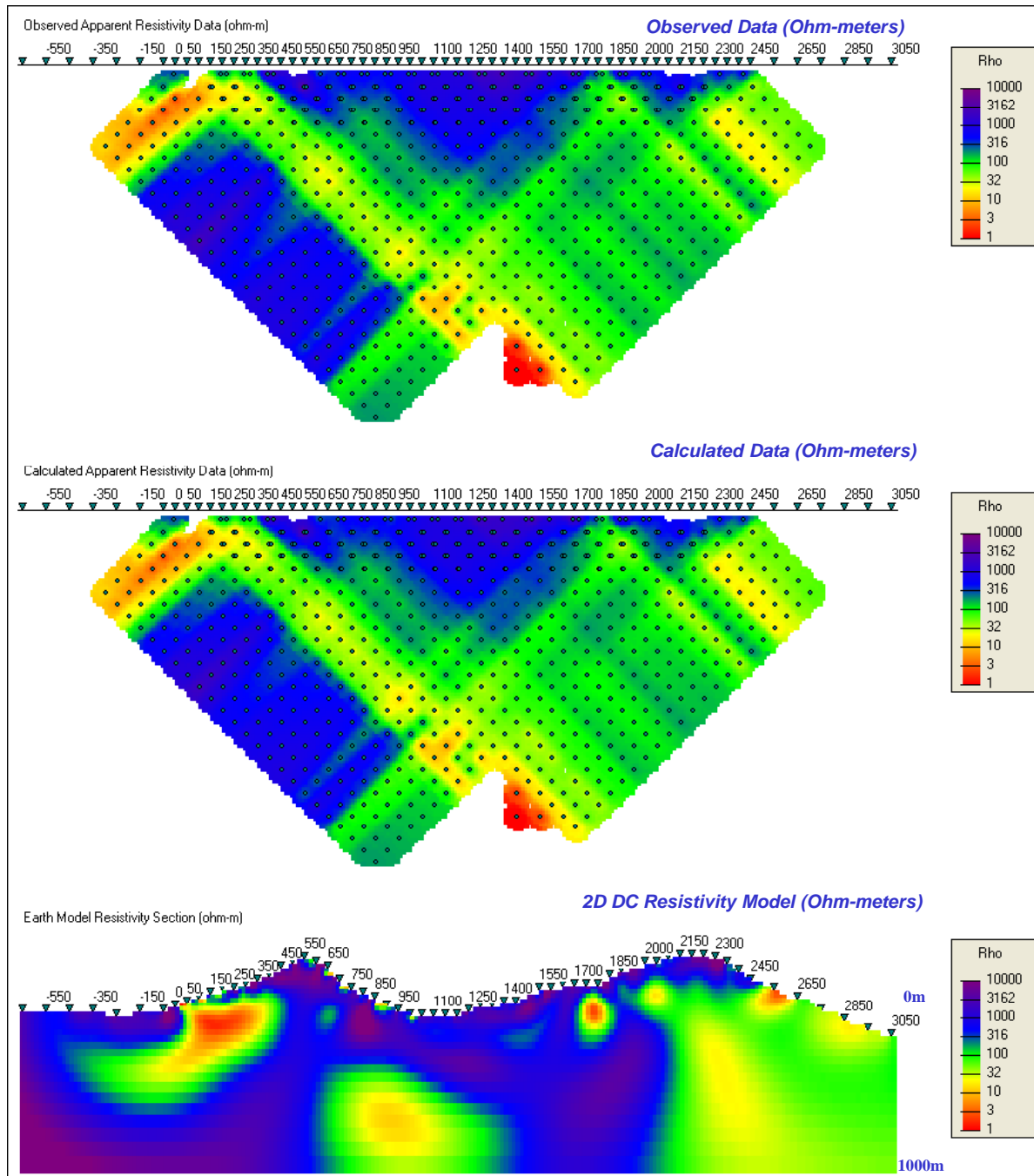
*PRELIMINARY RESULTS*

*L400N : 2D DCIP Inversion Models*



*E. Martinez, P.GEO. M.Sc.  
K. Killin, H.B.Sc. Project Manager  
Quantec Geoscience Ltd.  
August, 2009*

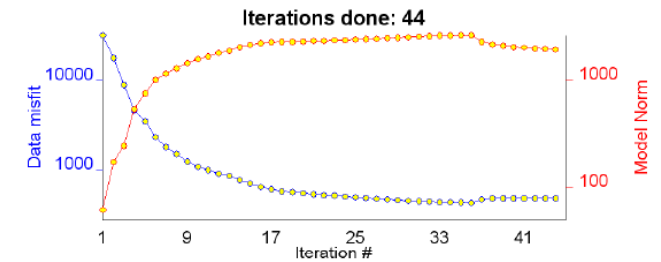
# L400N- UBC 2D DC Resistivity Inversion Results (smDC)



## Inversion Parameters

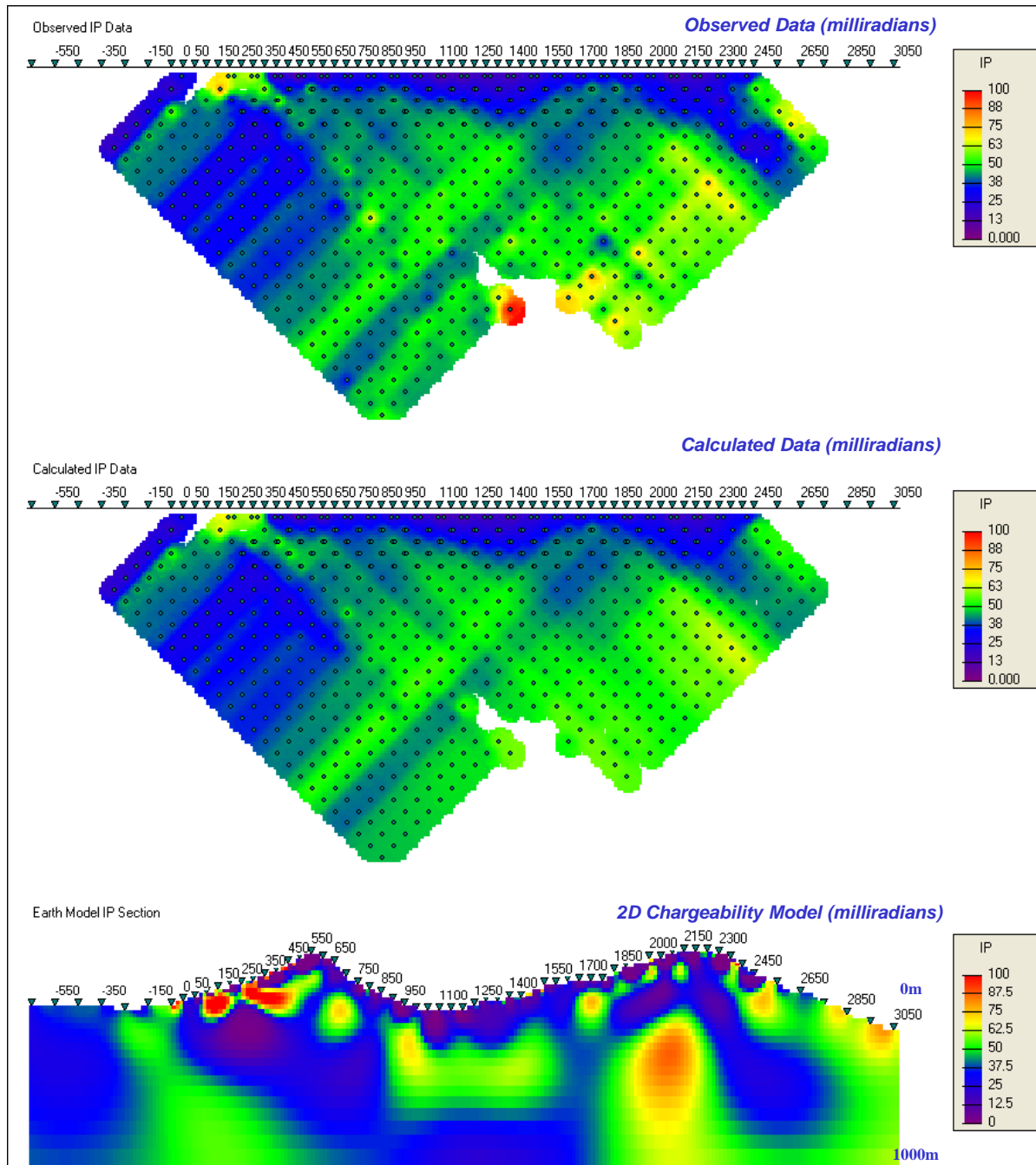
44 iter	data misfit	model norm	multiplier
0	4.16177E+04	0.00000E+00	0.00000E+00
1	3.26797E+04	6.17455E+01	1.43565E+01
2	1.78996E+04	1.71942E+02	2.87131E+01
41	4.78415E+02	1.99146E+03	3.69514E-01
42	4.78529E+02	1.96521E+03	3.96714E-01
43	4.78378E+02	1.94323E+03	3.42782E-01
44	4.78502E+02	1.92605E+03	3.86392E-01

1040 number of data



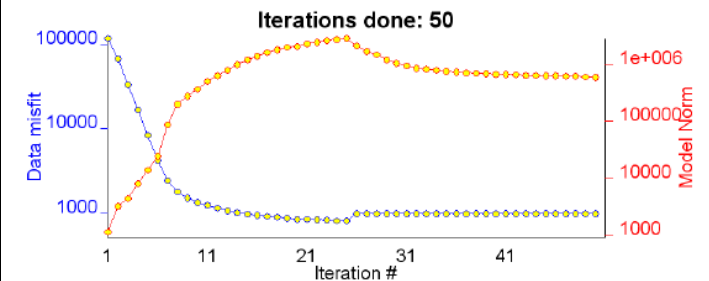
# L400N- UBC 2D IP Chargeability Inversion Results (smIP nullcon)

Smooth 2D IP Chargeability Inversion using homogeneous conductivity model



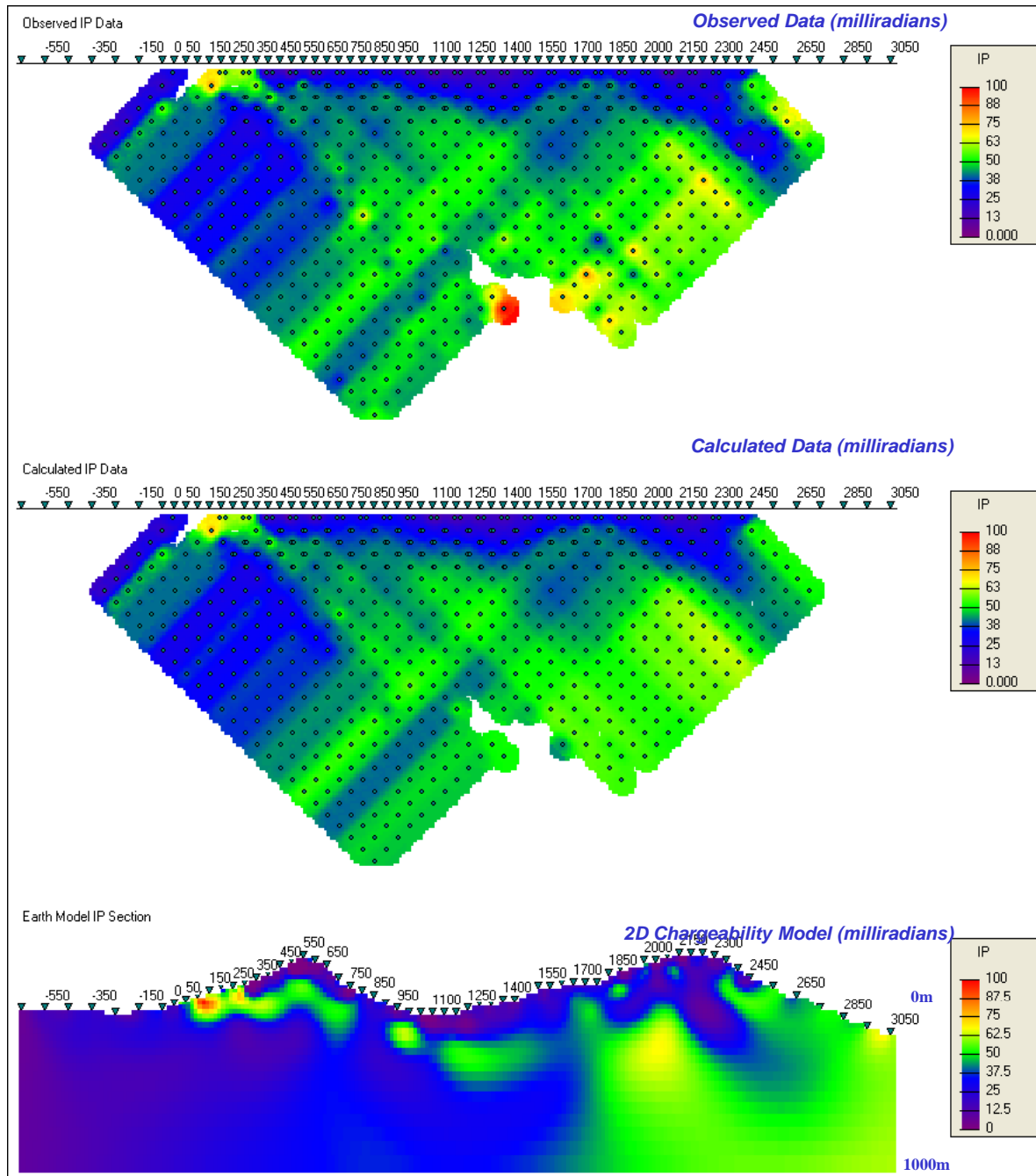
## Inversion Parameters

50 iter	data misfit	model norm	multiplier
0	2.31915E+05	0.00000E+00	0.00000E+00
1	1.18355E+05	1.13268E+03	4.61131E+02
2	6.79492E+04	3.22647E+03	3.80849E+01
48	9.91222E+02	6.25113E+05	6.46860E-04
49	9.91003E+02	6.17157E+05	5.77798E-04
50	9.91217E+02	6.09133E+05	6.50471E-04
955 number of data			



# L400N- UBC 2D IP Chargeability Inversion Results (smIP)

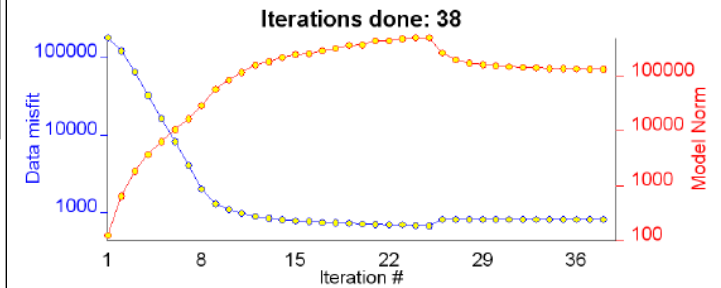
Smooth 2D IP Chargeability Inversion using Titan conductivity model



## Inversion Parameters

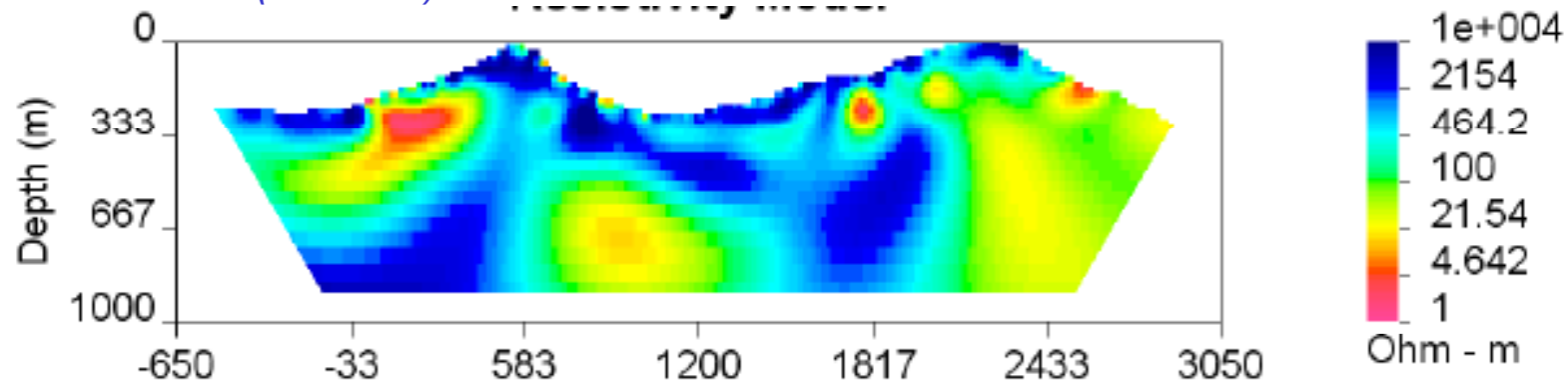
38 iter	data misfit	model norm	multiplier
0	2.31915E+05	0.00000E+00	0.00000E+00
1	1.81018E+05	1.24481E+02	7.30438E+02
2	1.21995E+05	6.44034E+02	1.07716E+02
35	8.23789E+02	1.38954E+05	2.55585E-03
36	8.23790E+02	1.37299E+05	2.46162E-03
37	8.23787E+02	1.35882E+05	2.49852E-03
38	8.23788E+02	1.34672E+05	2.41956E-03

955 number of data

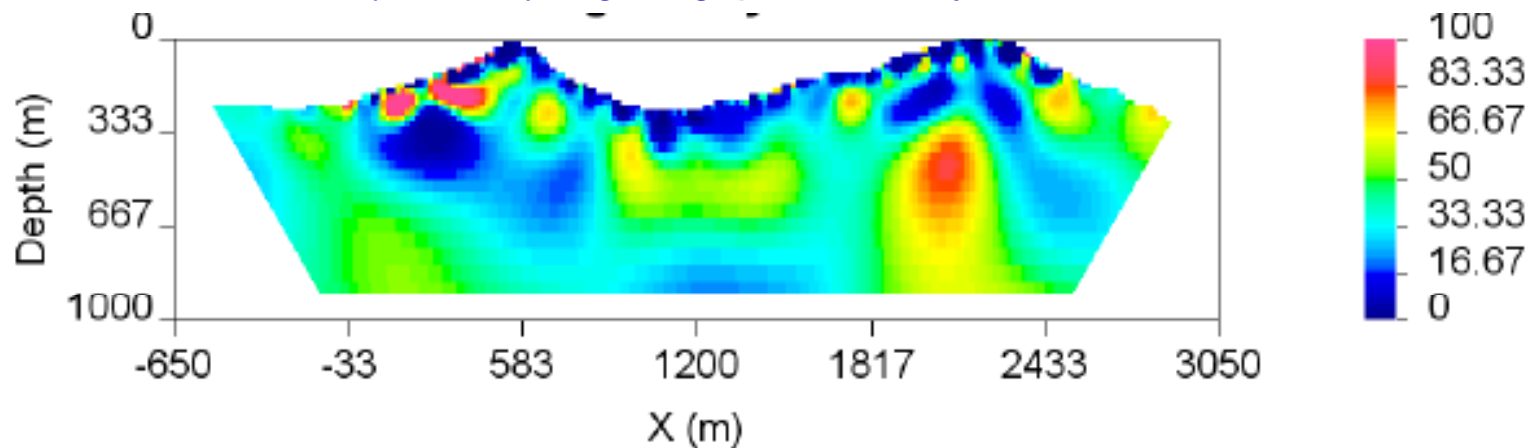


## LON- UBC 2D DCIP Inversion Results

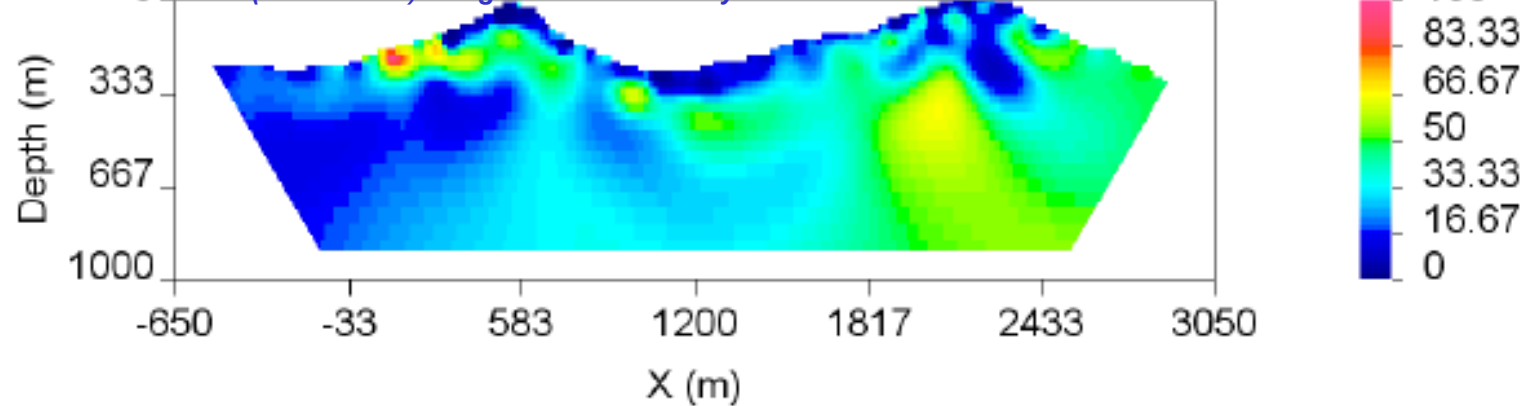
*smDC (Ohm-meters)*



*smIP-nullcon (milliradians) using homogeneous conductivity*

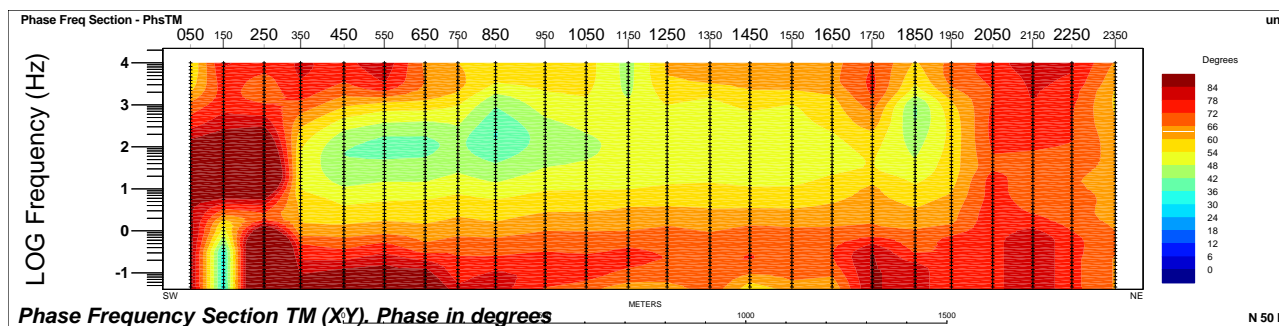
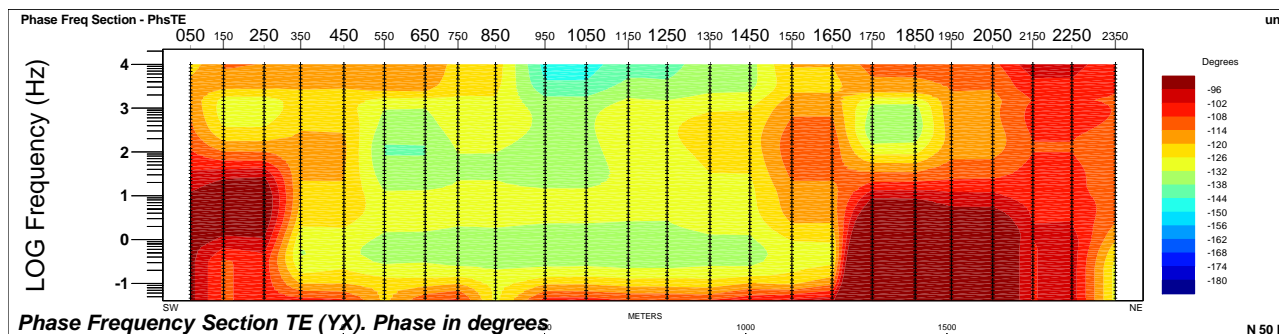
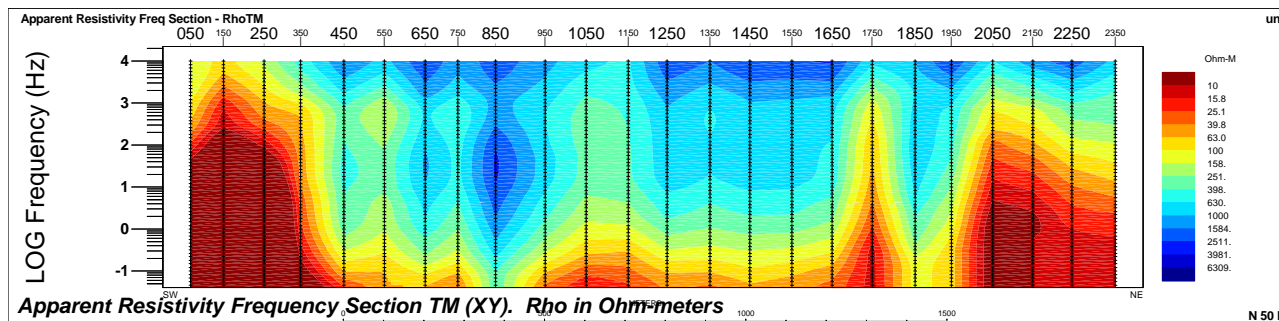
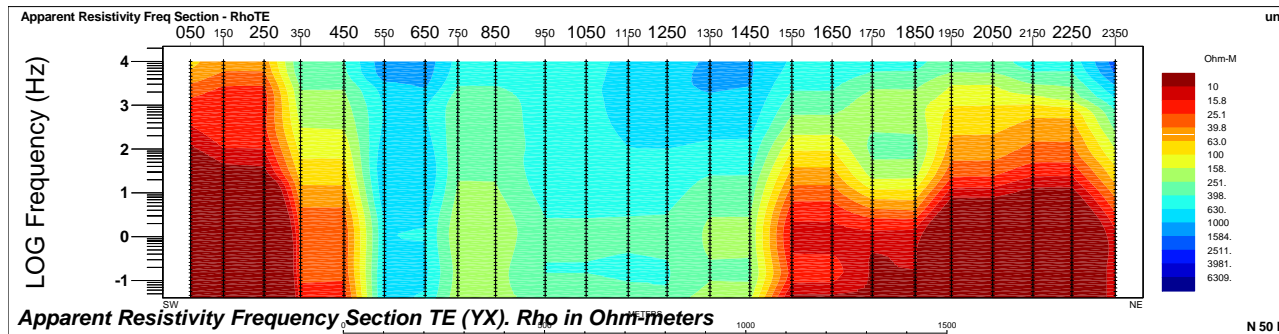


*smIP (milliradians) using Titan Conductivity*

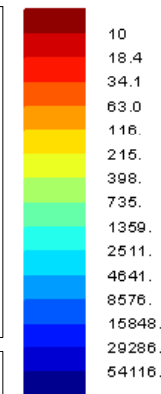




# L400N- MT Interpolated Raw Data

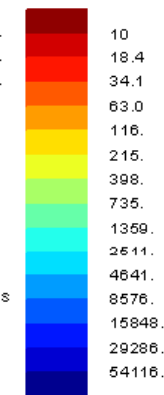


Ohm-M



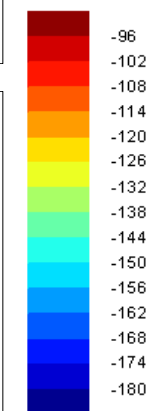
TM (XY) Rho  
Inline resistivity

Ohm-M



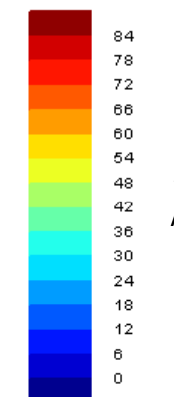
TE (YX) Rho  
Crossline resistivity

Degrees



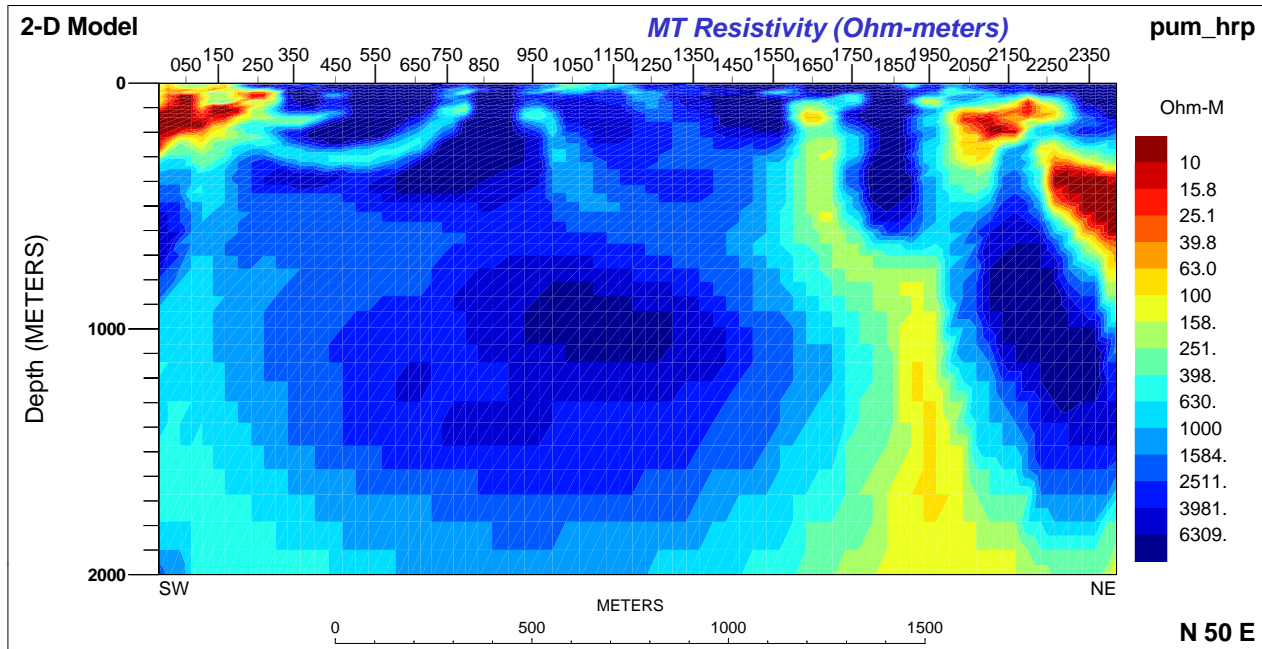
TE (YX) Phs-  
crossline phase

Degrees

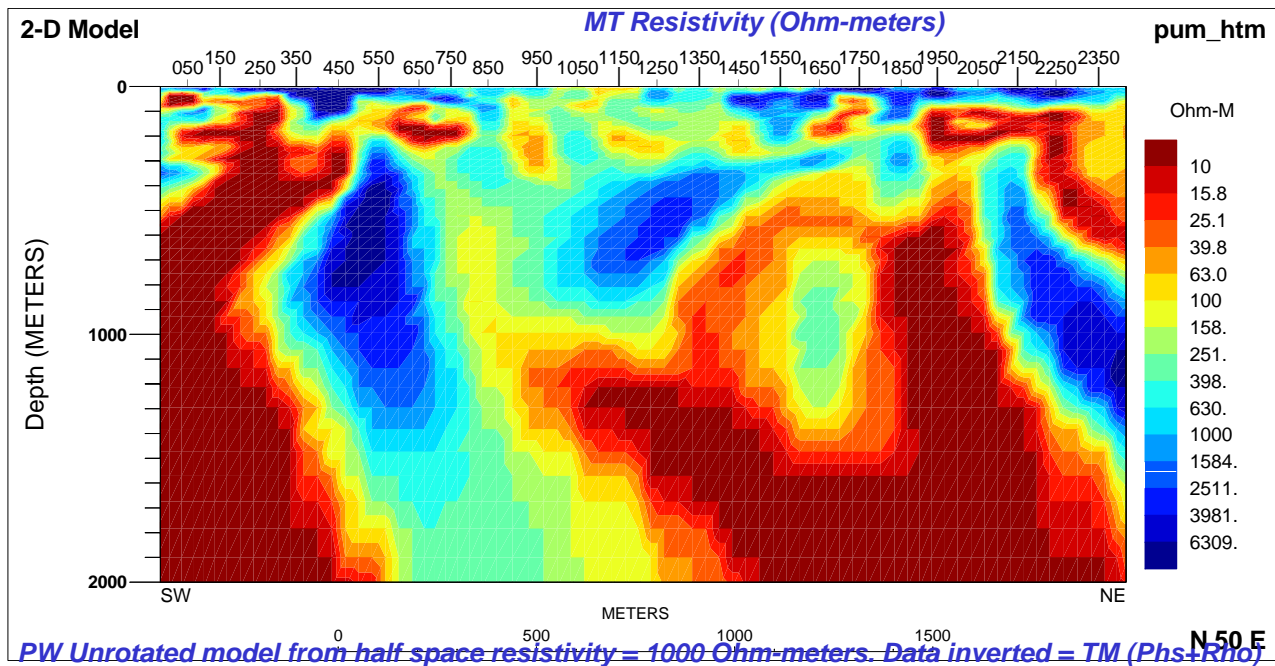


TM (XY) Phs  
inline phase

## L400N- MT Inversion models



*PW Unrotated model from half space resistivity = 1000 Ohm-meters. Data inverted = TM-TE (Phs+Rho)*



*PW Unrotated model from half space resistivity = 1000 Ohm-meters. Data inverted = TM (Phs+Rho)*