# Findlay Tank Inversion Studies

We have been extremely favored to have a client who has allowed and financed a set of calibration surveys which have allowed us to study the capabilities of a three airborne TDEM instruments; MegaTEM, GeoTEM and VTEM. We are not aware that such a study has previously been undertaken.

For this study, we have utilized two sets of ground equipment from Geonics and Zonge and three small airborne surveys were flown over the ground survey. The survey area is sedimentary just north of the Grand Canyon. The additional purpose of the study is to assist in the study of geological structures for the exploration of uranium. However, the study is probably most useful hydrological studies with TDEM.

Ross W. Groom, PhD
Petros Eikon Canada

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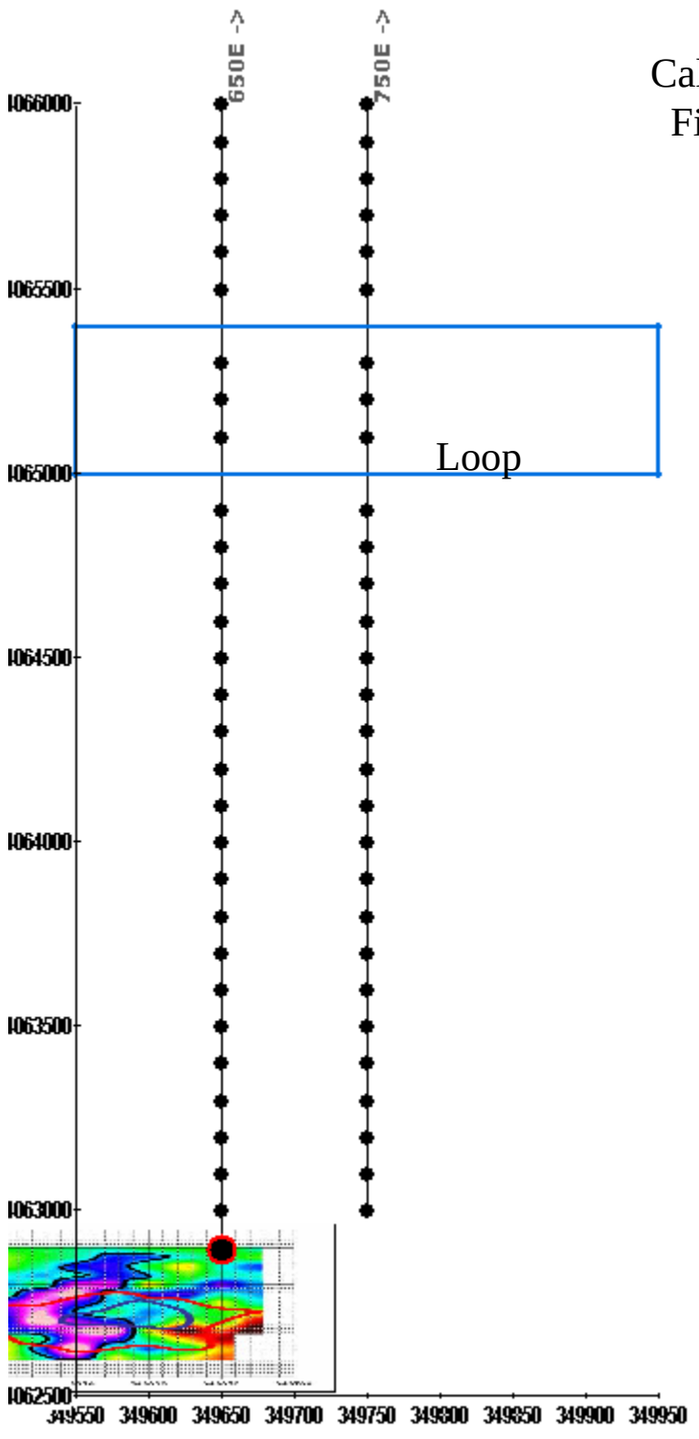


Calibration Ground TEM Survey
Fixed Loop , 2 parallel survey lines

FTNW survey area

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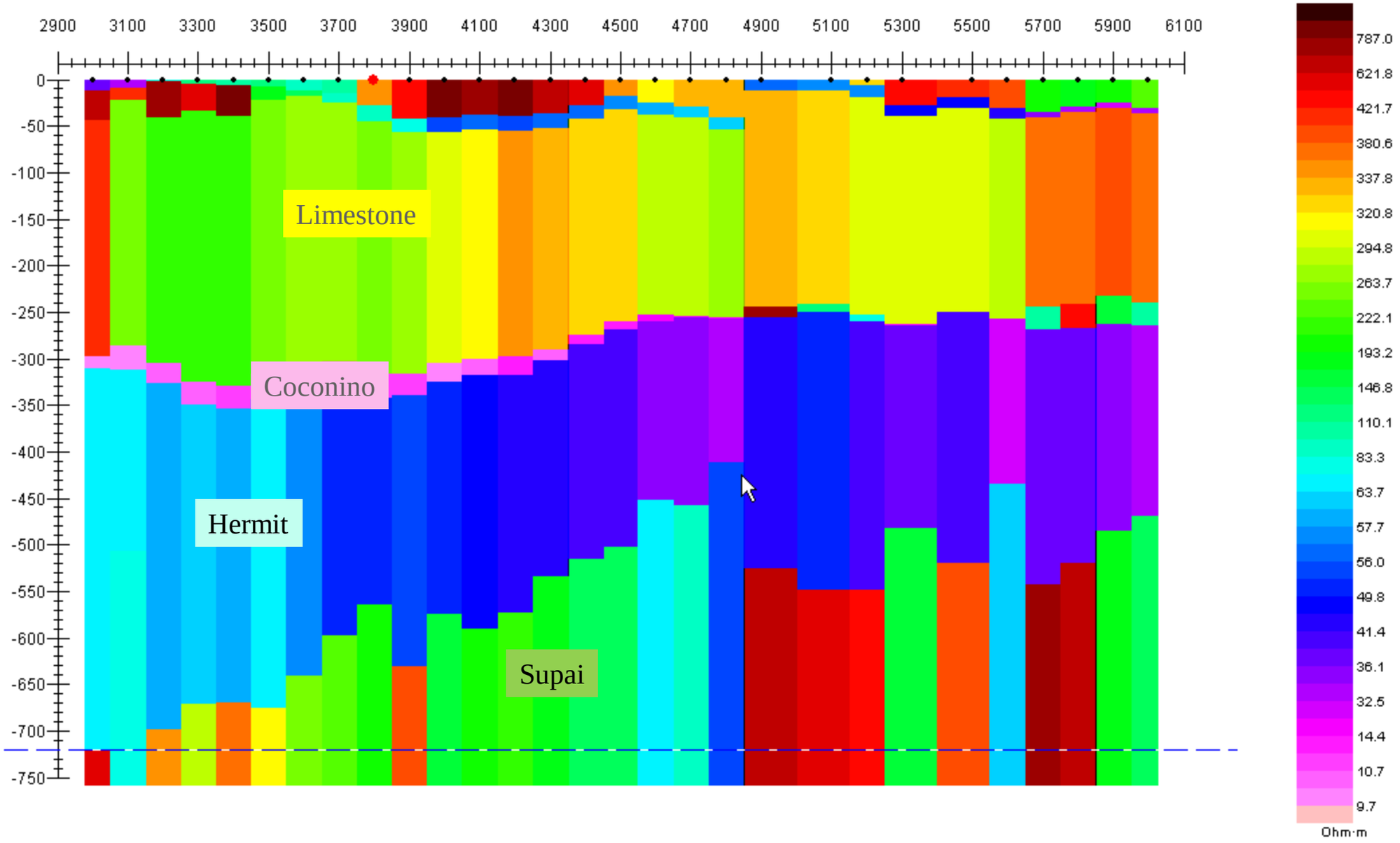
## Calibration Ground TEM Survey




Line 750E Ground TEM inversion
Strata determined by resistivity model and known geological
Note: out of loop inversion performed by joint horizontal and vertical components

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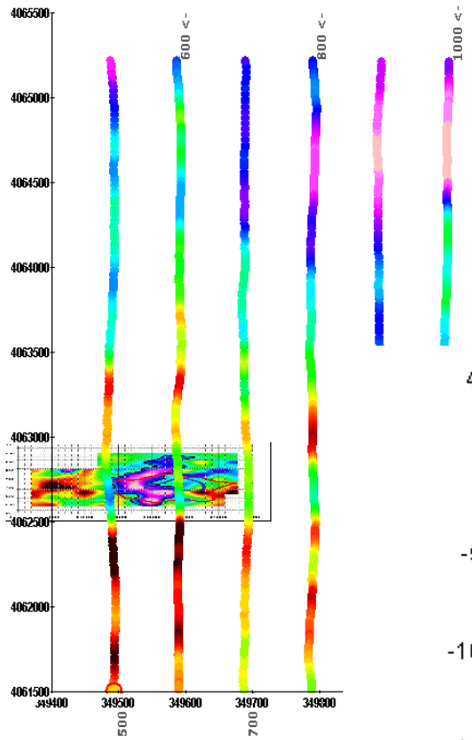
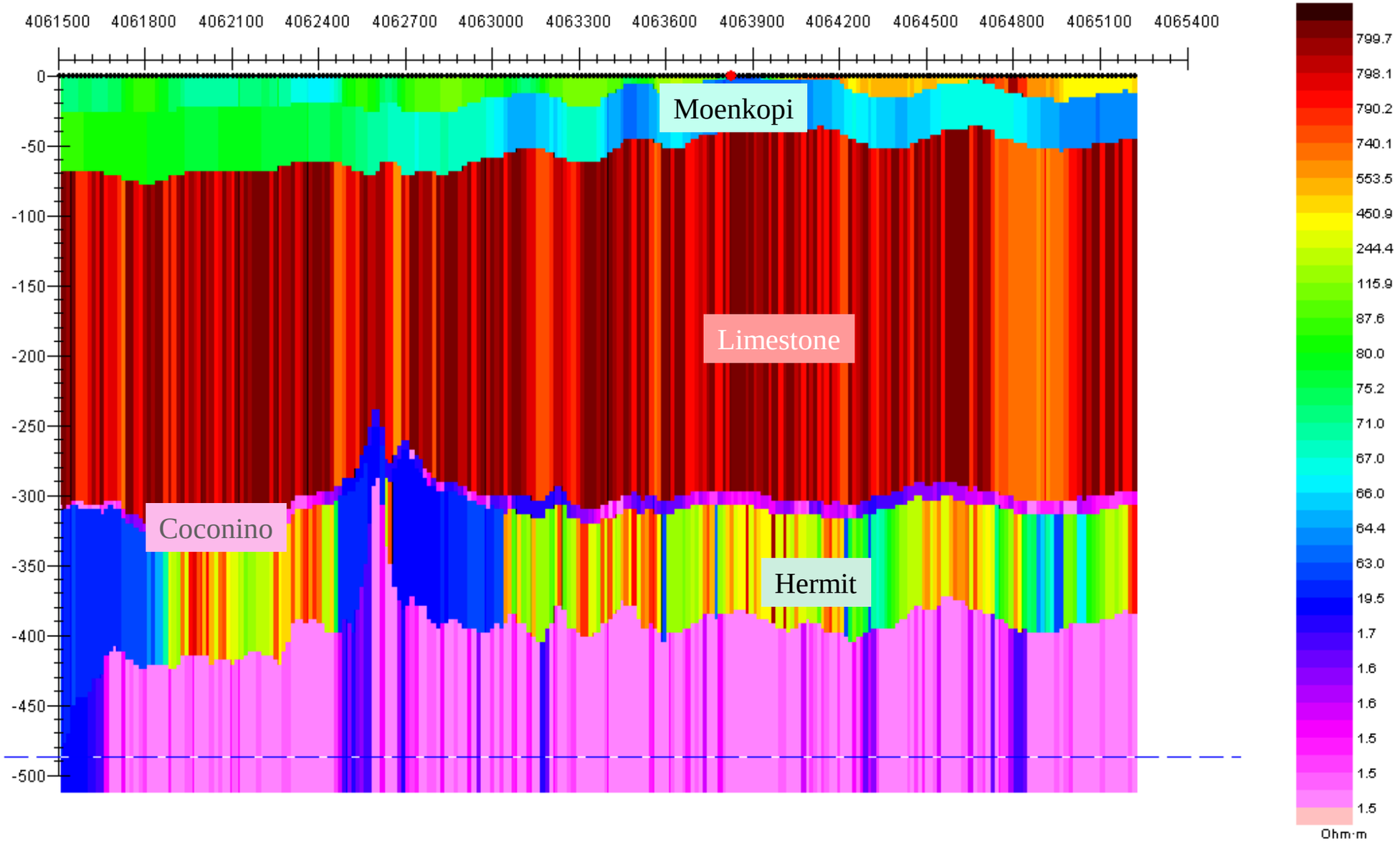
VTEM 2007 Airborne EM Survey




## Line 700 VTEM inversion



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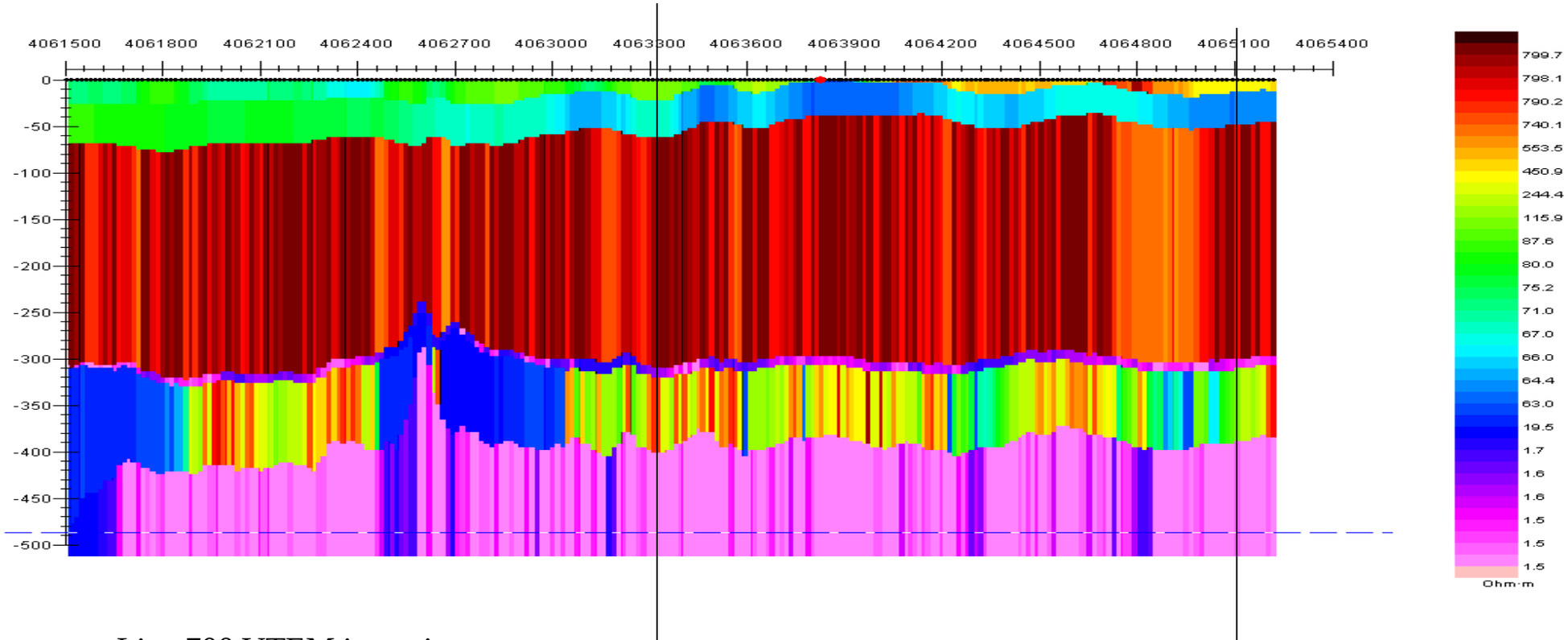
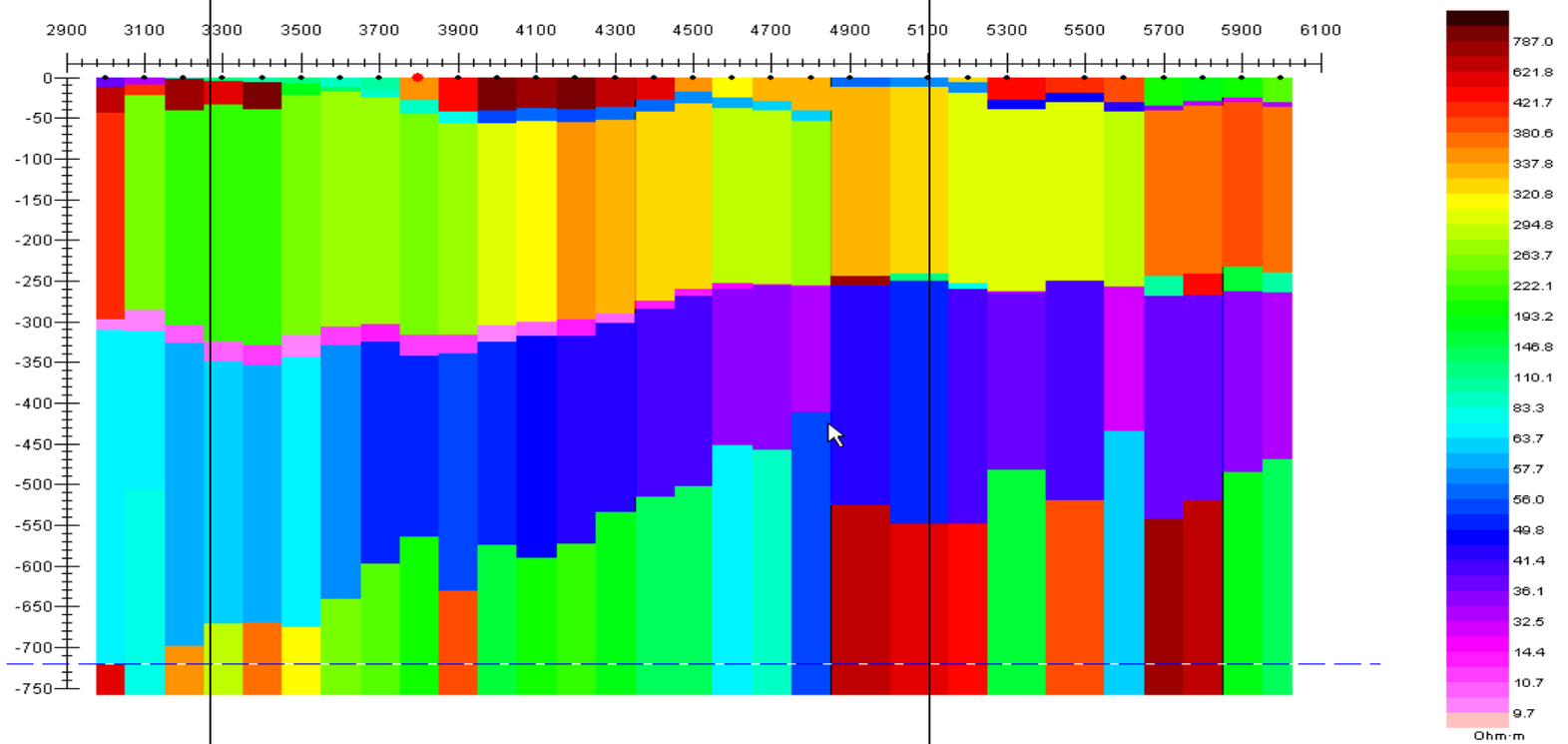
VTEM 2007 Airborne EM Survey




Line 700 VTEM inversion




Line 750E Ground TEM inversion

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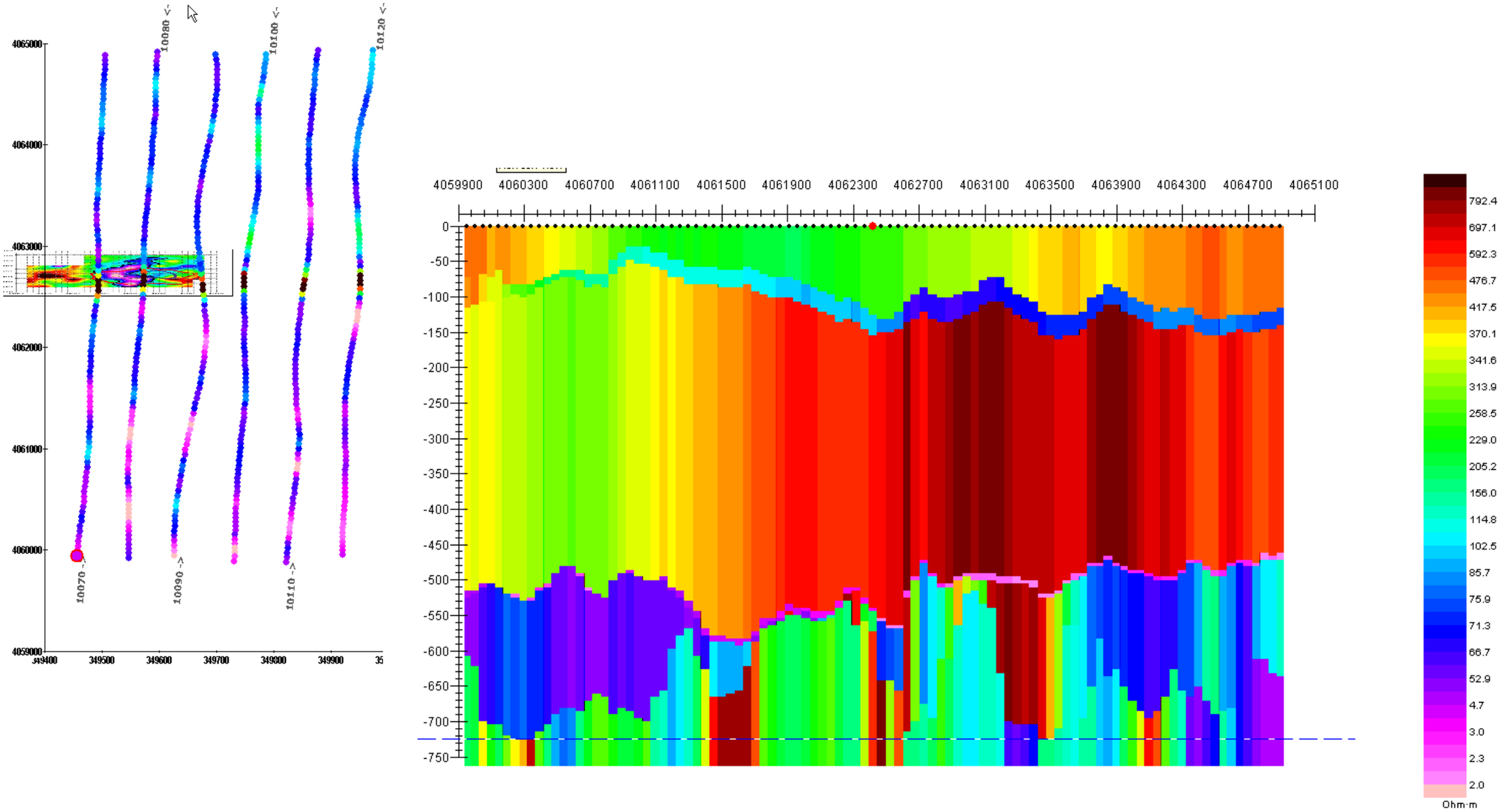
MegaTEM 2007 Test Survey
prior to SRIM survey




Line 10090 MEGATEM airborne TEM inversion

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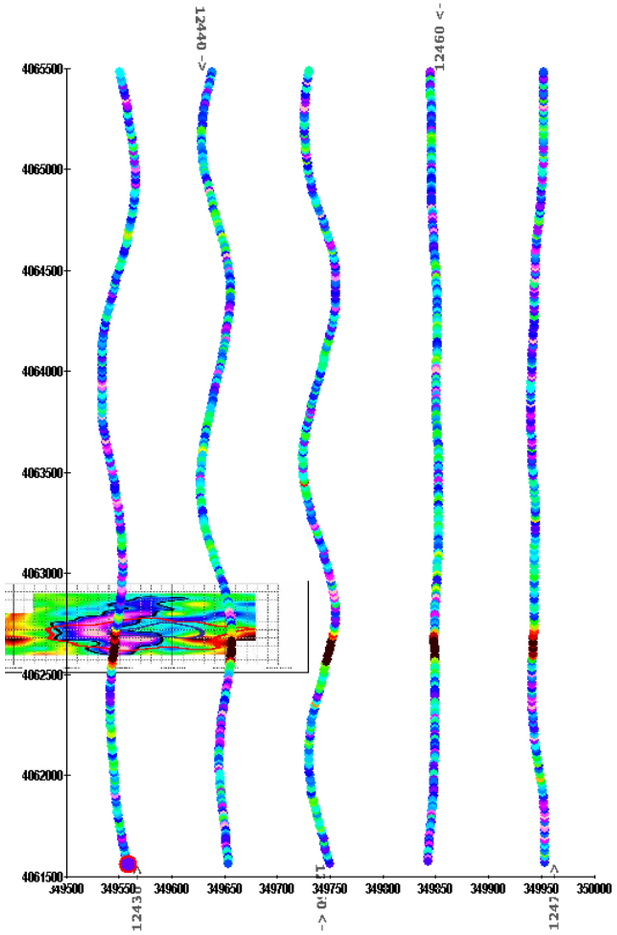
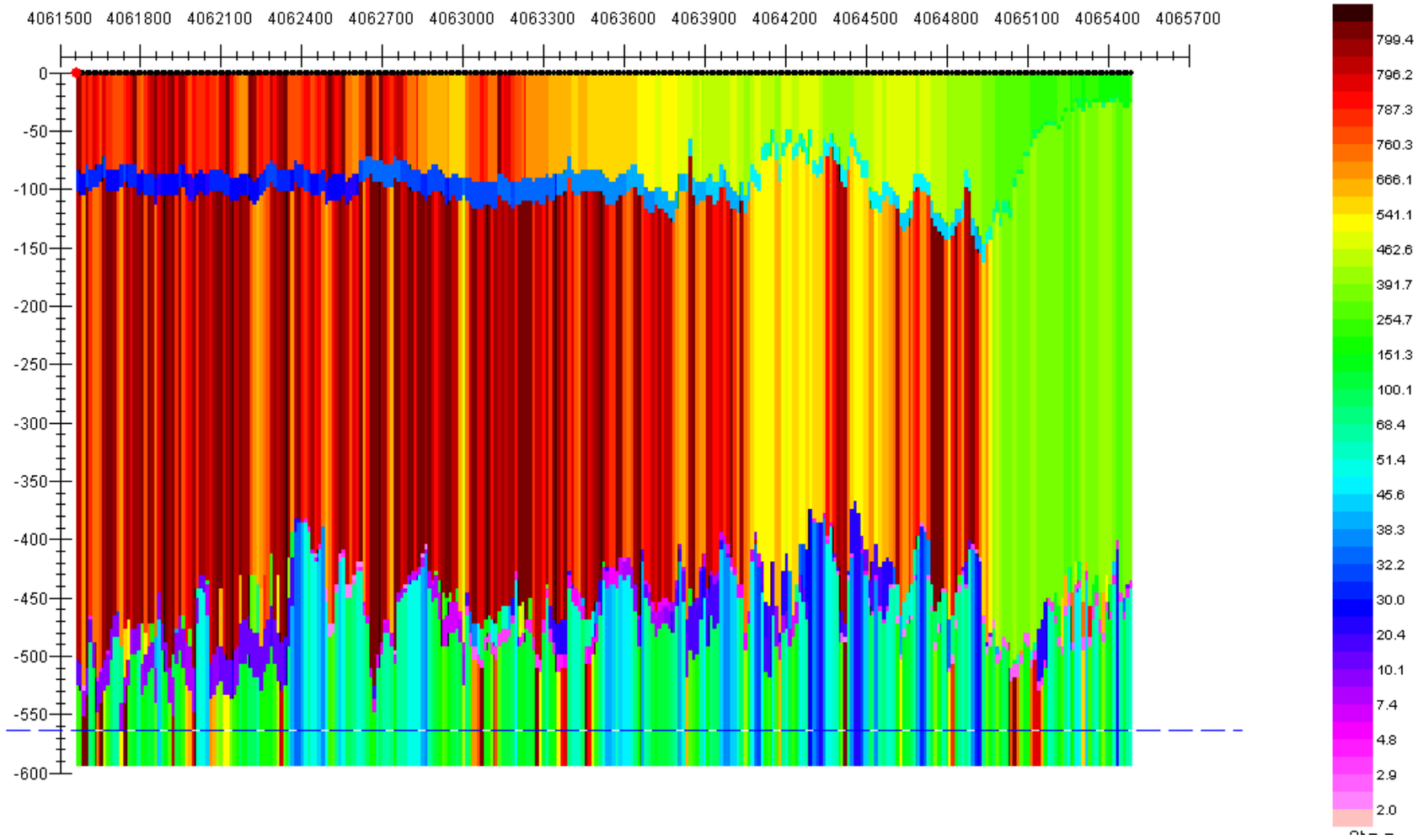
GeoTEM 2007 Test Survey
NRIM




Line 12440 GeoTEM airborne TEM inversion

No resistive structure at surface. Moenkopi showing at 100m? Coconino 200m too deep.