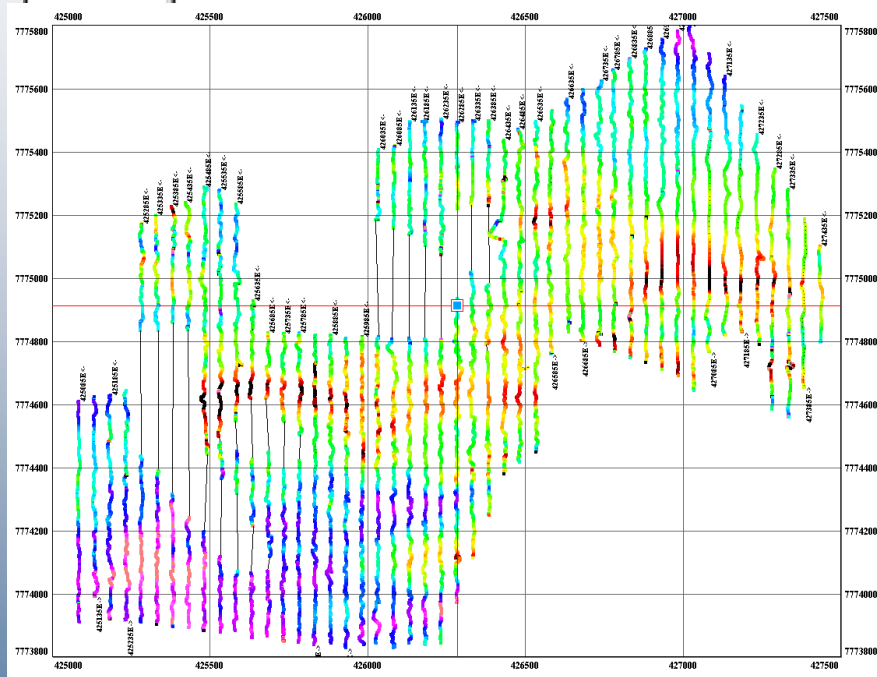
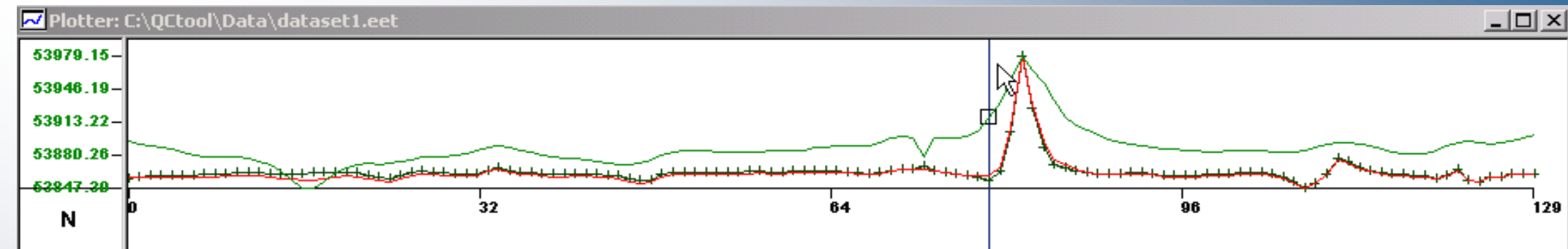



# QCTool – V6.0.x

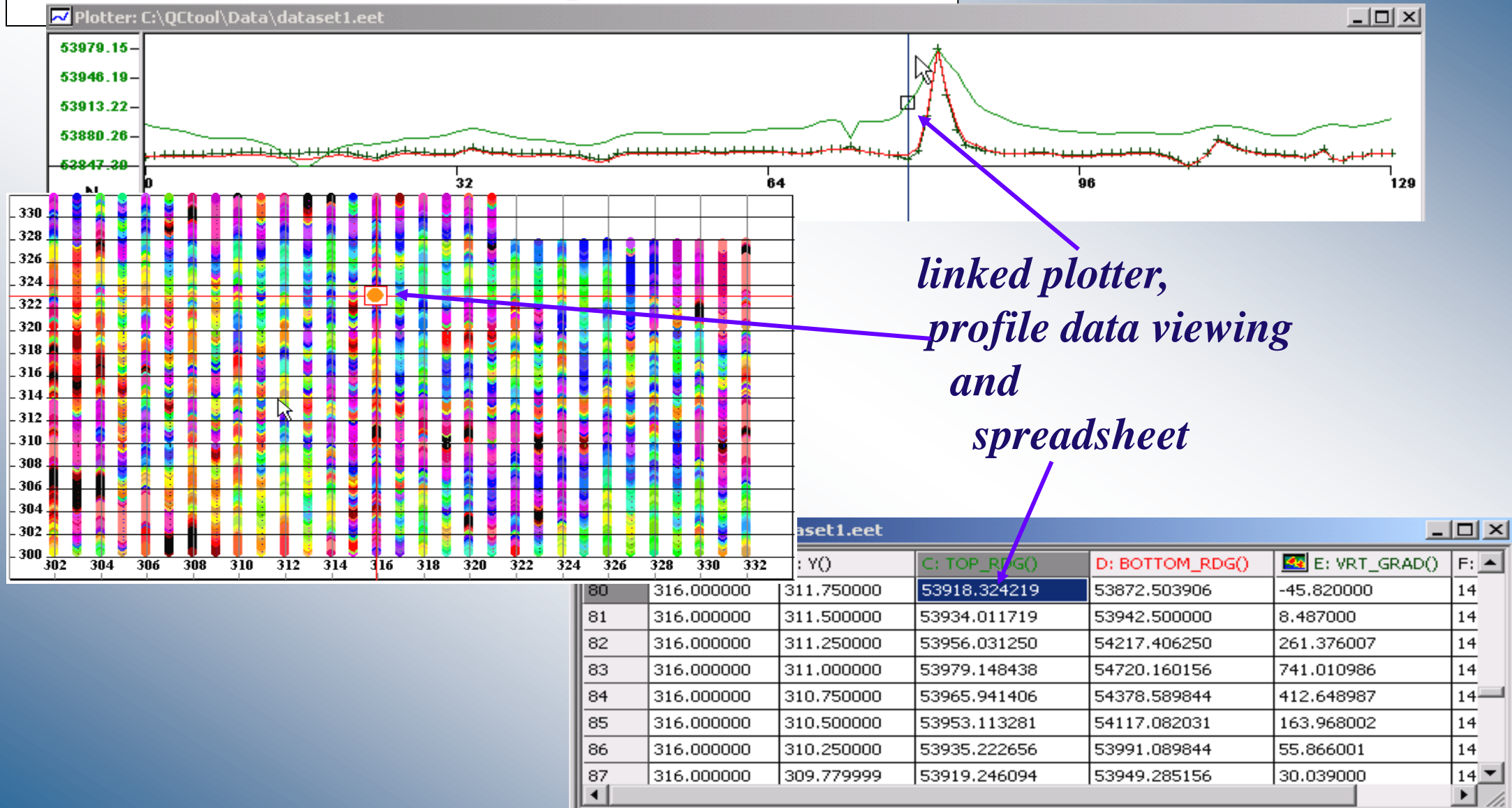


*for data Quality Control  
editing, plotting, gridding,  
mapping, processing and  
and filtering*

**Ground Magnetics – Gold Exploration**

ol\Data\dataset1.eet					
X()	B: Y()	C: TOP_RDG()	D: BOTTOM_RDG()	 E: VRT_GRAD()	F: ▲
5.000000	311.750000	53918.324219	53872.503906	-45.820000	14
5.000000	311.500000	53934.011719	53942.500000	8.487000	14
5.000000	311.250000	53956.031250	54217.406250	261.376007	14
16.000000	311.000000	53979.148438	54720.160156	741.010986	14
16.000000	310.750000	53965.941406	54378.589844	412.648987	14
16.000000	310.500000	53953.113281	54117.082031	163.968002	14
16.000000	310.250000	53935.222656	53991.089844	55.866001	14
16.000000	309.779999	53919.246094	53949.285156	30.039000	14

# QCTool<sub>2</sub>

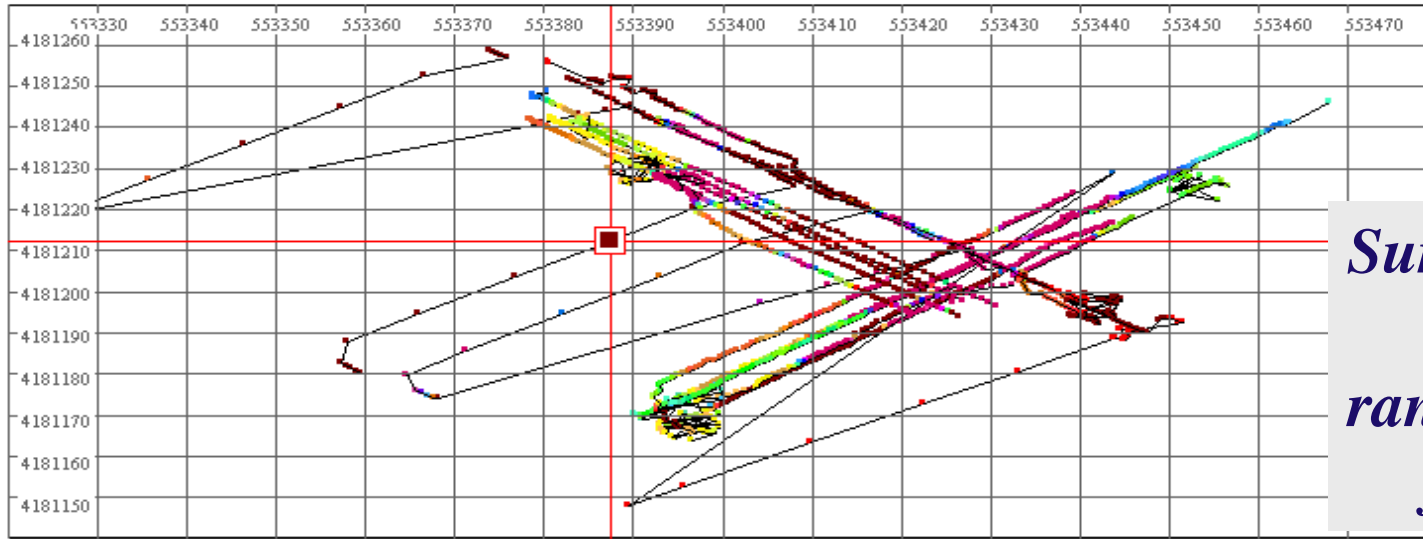


# QCTool<sub>3</sub>

E: CPQ980...	F: CPI9800S2Q	G: CPQ9800S3Q	H: CPI9800S3Q	I: FIDS3Q	J: reducedQ	
-8.750000	20.478001	-195.750000	-20.469999	2015.979980	*	
-183.750000	20.	<div>Formula Calculator</div> <div>Result: Formula:</div> <div>J = log(a)*sqrt(d)/d^3</div> <div>Save Load Clear Check Formula</div> <div>Formula result</div> <div>Row: 1 0.003026</div> <div>Rows</div> <div><input checked="" type="checkbox"/> All Rows <input type="checkbox"/> All Lines From: 1 To: 51</div> <div>Functions</div> <div><div>sin arcsin x^2 ln</div><div>cos arccos x^3 log</div><div>tan arctan 10^x sqrt</div><div>int abs exp PI</div></div> <div>Numeric</div> <div><div>7 8 9 ( )</div><div>4 5 6 - /</div><div>1 2 3 + *</div><div>0 . + ^</div></div> <div><div>Backspace</div><div>Delete</div><div><input type="radio"/> Degree</div><div><input checked="" type="radio"/> Radians</div></div> <div>Columns:</div> <div><div>A B C D E F G H I J K L M</div><div>N O P Q R S T U V W X Y Z</div></div> <div><div></div><div>Apply</div><div>Exit</div></div>				*
-292.250000	20.					*
-127.500000	20.					*
-118.500000	20.					*
-162.250000	20.					*
-0.750000	20.					*
-308.500000	20.					*
-361.500000	20.					*
61.250000	20.					*
188.250000	20.					*
190.500000	20.					*
160.500000	20.					*
157.250000	20.					*
163.250000	20.					*
163.500000	20.					*
110.000000	20.					*
102.250000	20.					*
145.250000	20.					*
160.250000	20.					*
176.750000	20.					*
227.750000	20.					*
229.500000	20.					*
45.250000	20.478001	101.250000	20.478001	2020.589966	*	

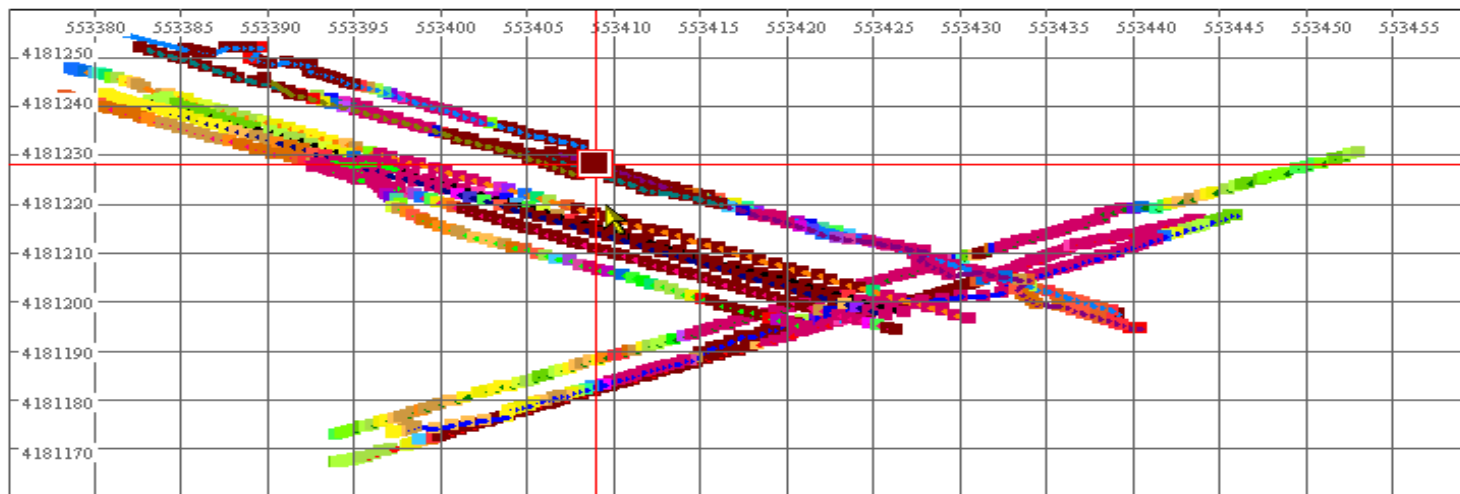
*Spreadsheet functions,  
new channels calculator*

# QCTool 4



*Survey Cleaning*

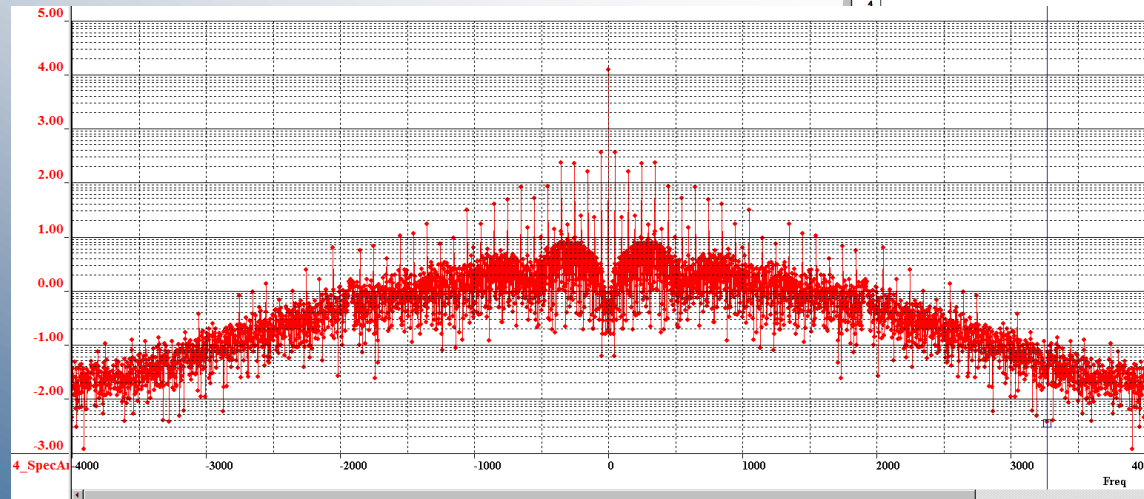
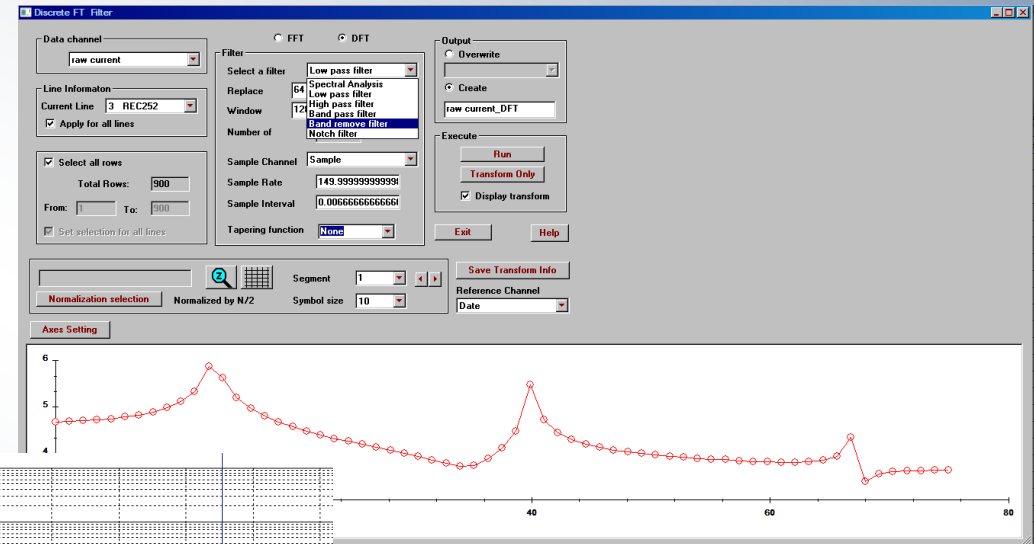
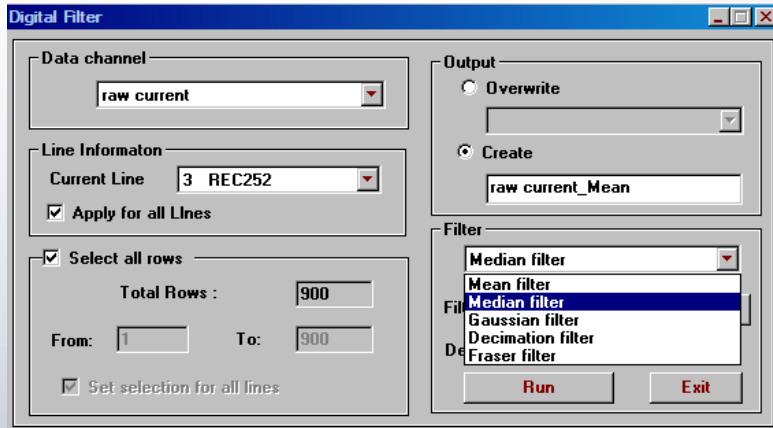
*range coloured  
field data displays*



Munitions Testing Site ground FDEM

# QCTool 5

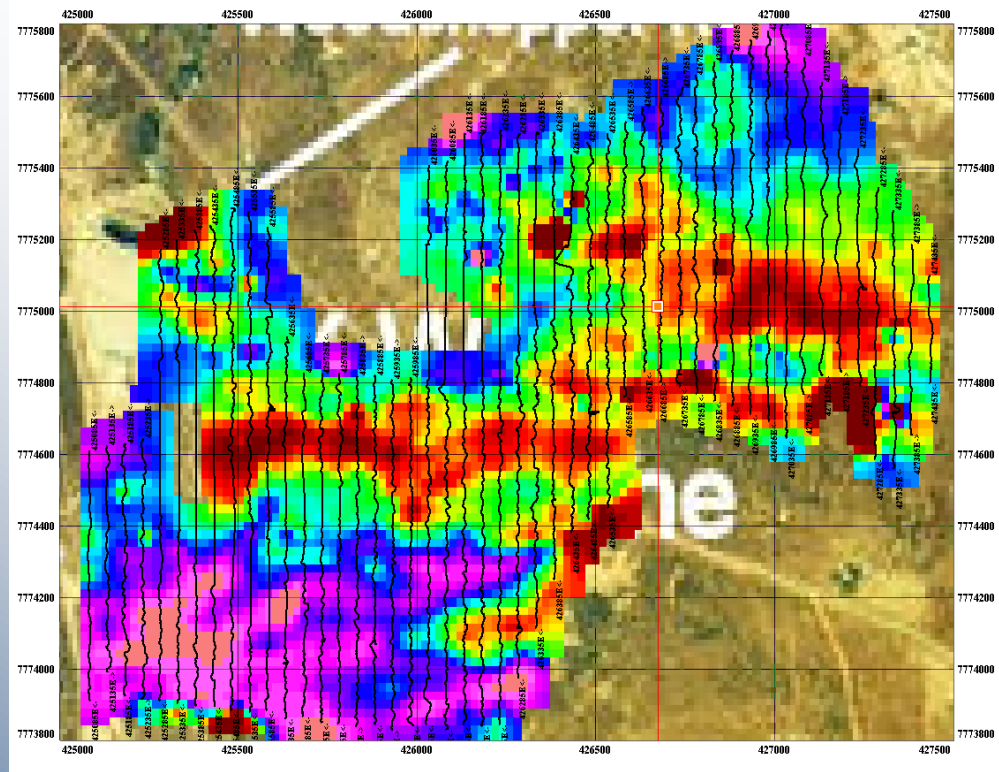
*Data Filtering  
Spectrum Filtering  
and Analyses – FFT,DFT  
Raw vs filtered overlays*





# QCTool<sub>6</sub>

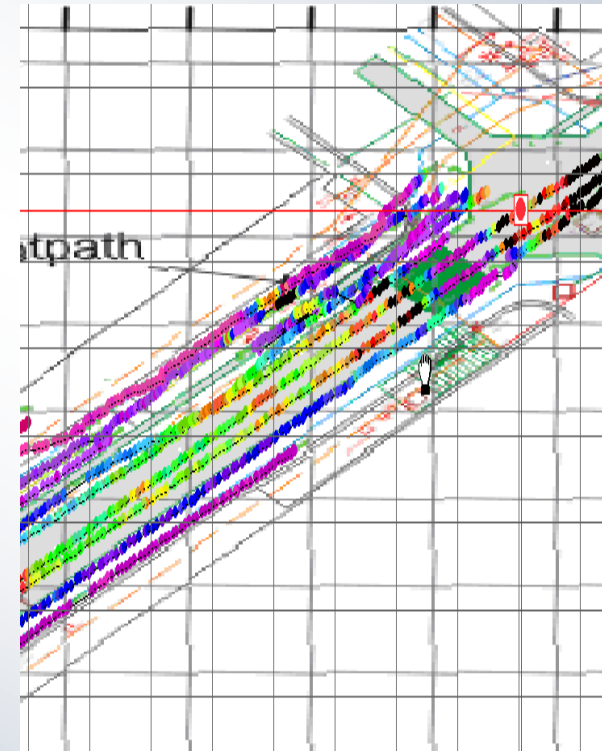
## Mapping



Ground Magnetics – Gold Exploration

Fuel Dump contamination – EM31-3

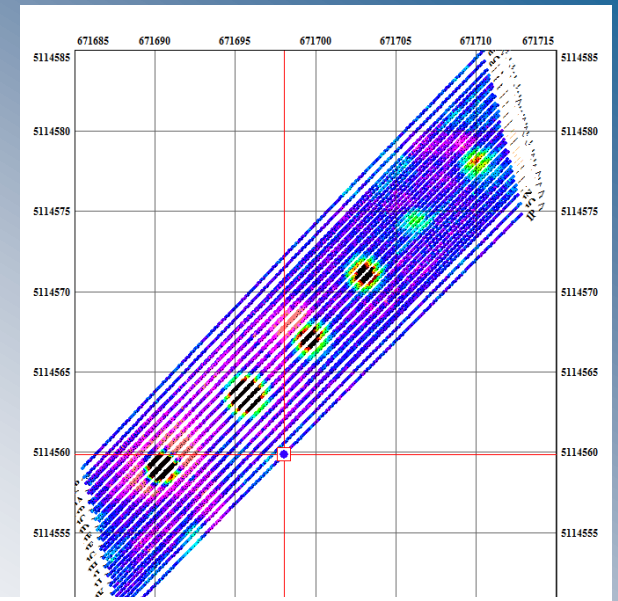
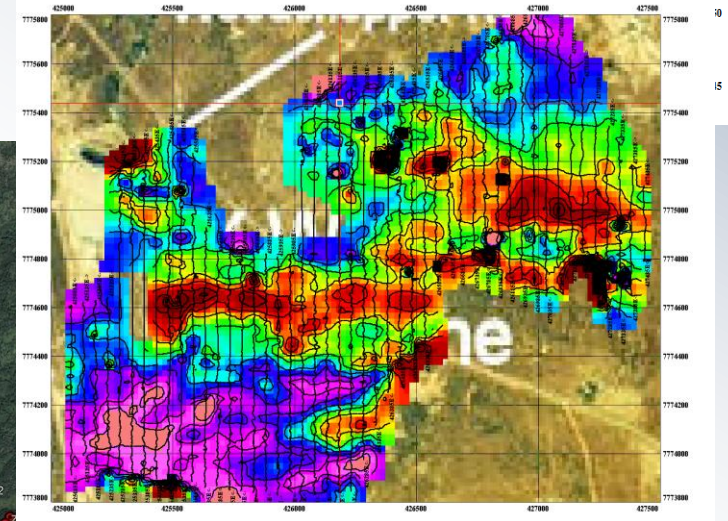
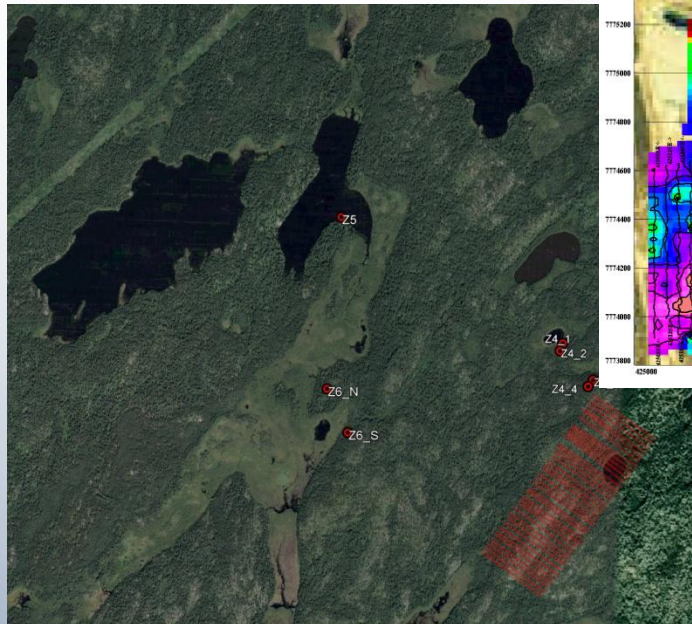
*non-convex local contouring,  
rectangular grid cells,  
map underlays,*



# QCTool <sub>6</sub>

## Mapping

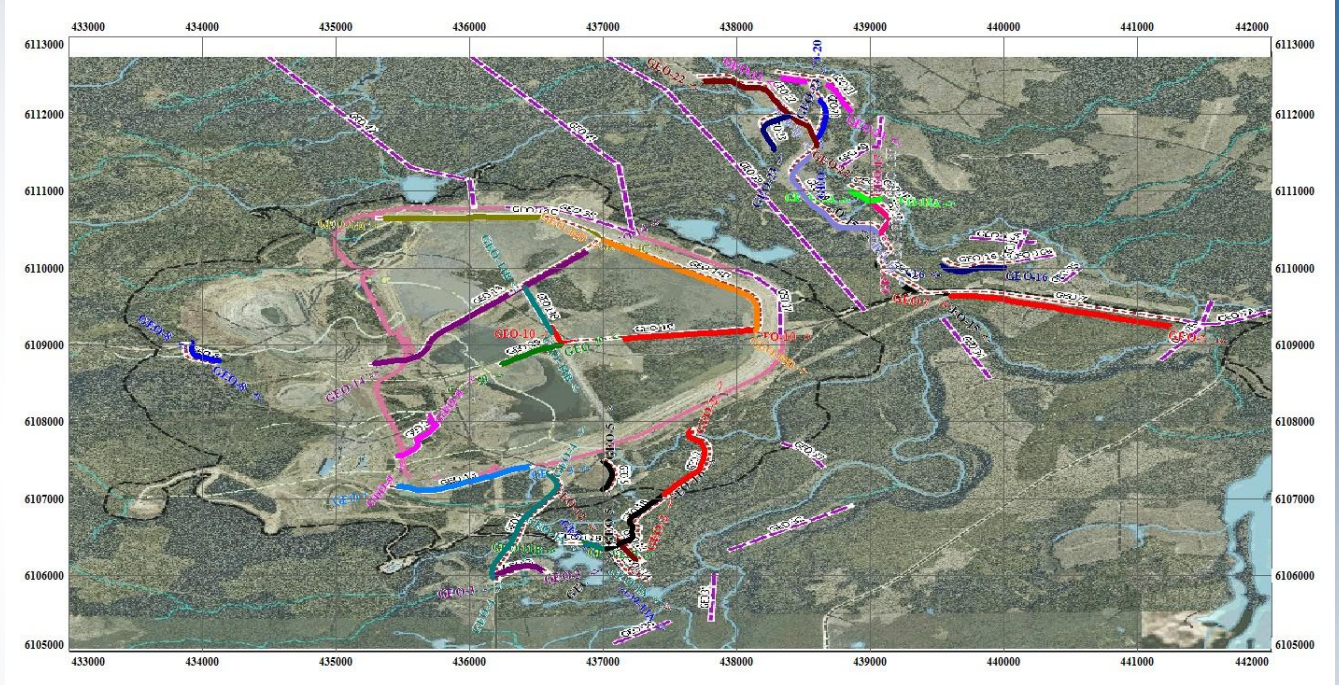
- import/export for ArcMap, MapInfo, AutoCAD, Geotiff
- create GoogleEarth files
- save as registered PDF
- export 2D AutoCAD files
- merge maps, transparencies
- annotate maps





# QCTool <sub>7</sub>

- *Easy to use*
- *Low cost*
- *Large or small datasets*
- *Small installation*
- *Perfect for infield QC*
- *Imports & Exports*
- *Data Merging and integration*
- *Map Calibration, Annotation and data overlays*





# QCTool<sub>8</sub>

## Data Imports

- *Standard Ascii and Excel formats*
- *Geophysical Instrument formats*
- *Borehole log formats*
- *Topography formats*
- *Grid formats*
- *Garmin , Surpac, Geosoft, GPX, .bil and much more*

ASCII XYZ  
ASCII CSV  
Binary XYZ  
Scintrex CG3  
Scintrex CG5  
Scintrex IPR\_12  
Scintrex ENVI Cs/Navmag  
Scintrex ENVI/ENVI PRO  
Micro-g LaCoste Air-Sea (DAT)  
Micro-g LaCoste Air-Sea (ENV)  
Geometrics G-858/G-859(STN)  
Geometrics G-856(STN)  
Geometrics G-882  
Stratagem impedance file  
Zonge AVG (new format)  
Zonge AVG (legacy format)  
Zonge ZEN  
GEM ASCII  
SeaSPY(Marine Magnetics)  
Geonics EM31 (ASC, M31)

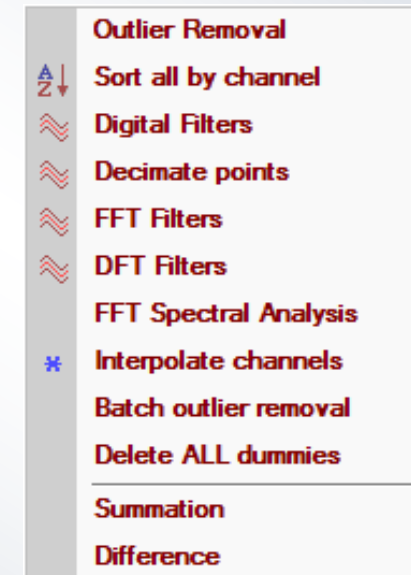
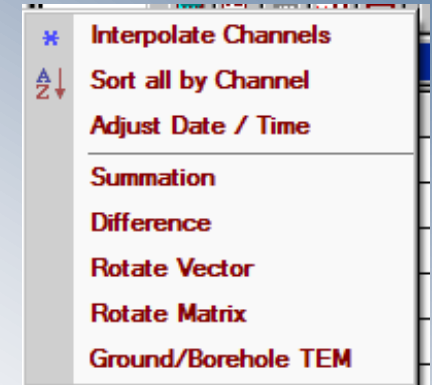
Geonics EM34 (G34)  
Geonics EM38 (G38)  
Geonics TEM  
Pico  
GDD IP  
Garmin GDB  
Phoenix CSAMT (AVG)  
Phoenix CSAMT (STK)  
Phoenix Time Series  
Surpac STR  
SMARTem24 (RAW)  
Geosoft GBN  
Geosoft GDB  
MT/CSAMT EDI (Impedance)  
MT/CSAMT EDI (Spectral)  
MT/CSAMT TBL Format  
VLF TBL Format  
IRIS VLF ASCII  
Universal Sounding Format(USF)  
SEG Y format

Geophysical logs (LAS)  
GPS Exchange Format(GPX)  
EGR Grid File  
ArcGIS FLT  
Band Interleaved by Line (BIL)  
Geosoft grid file (grd)  
GTOPO DEM file  
CDED DEM file  
Grid exchange file (GXF)

# QCTool<sub>9</sub>

## Auxiliary Tools

- *Merge/Append Files*
- *Geographic Coordinate Transformations*
- *Data Filtering*
- *Vector and Matrix Rotations*
- *FFT/DFT Spectral analyses*
- *a range of digital filters*
- *Data stacking tools*



- *Gravity Processing* – all gravity reductions including the most advanced topographic corrections available
- *Magnetic Processing* – standard magnetic processing with enhanced derivative calculations and vector data and vector derivative de-rotations
- *IP Data Processing* – QC/QA for data survey processing and integration, with mapping, line and decay plots, apparent resistivity and Cole-Cole calculations
- *FDEM Processing and Analyzes* – conversion to instrument units from apparent units and vice versa, half-space apparent resistivity inversion
- *Magnetotelluric Processing*
- *TDEM processing from raw time series*
- *CSEM processing from raw time series*
- *TDEM/FDEM editing and display tools*