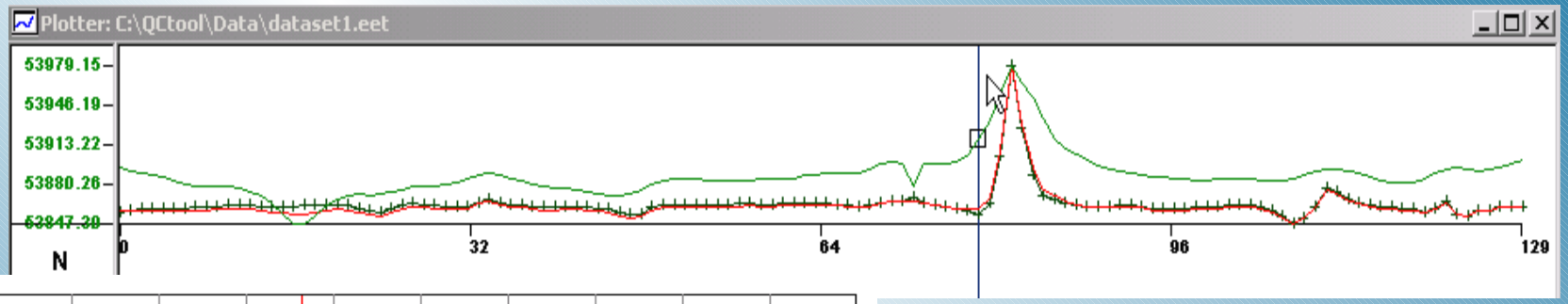
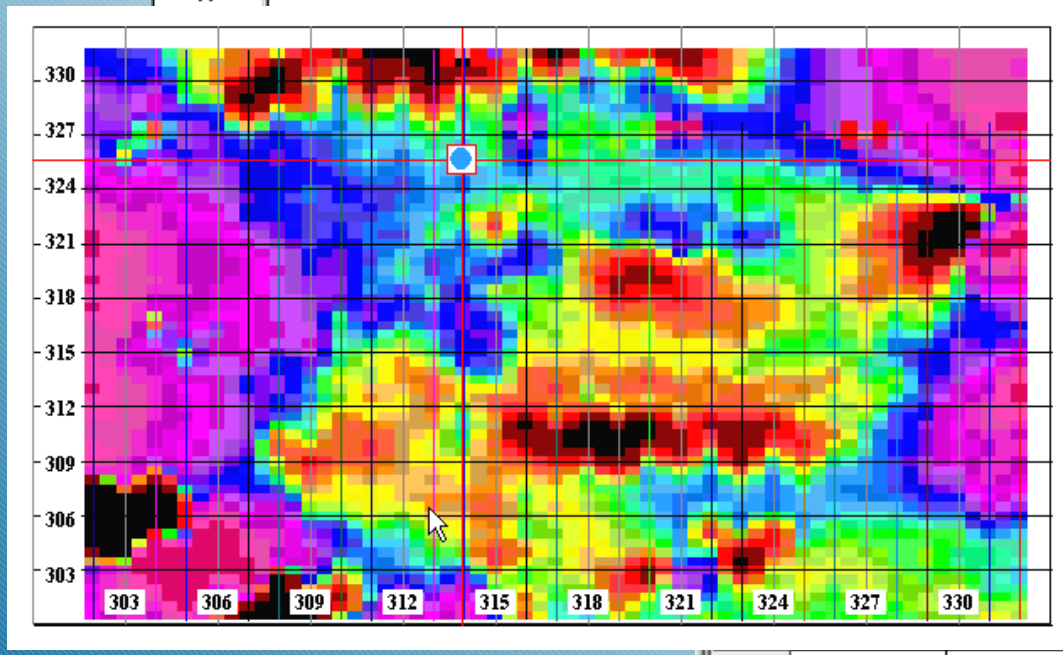
# QCTool

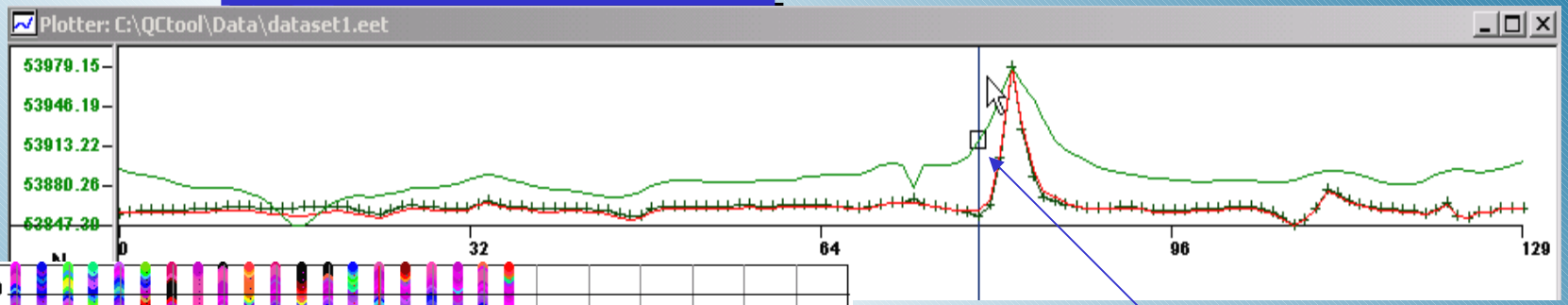


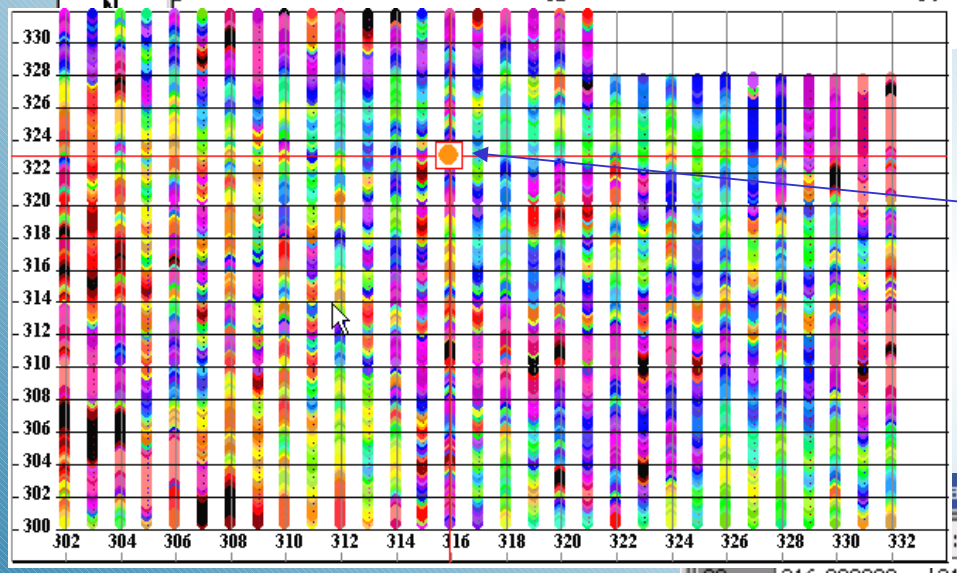




*for data Quality Control*
*editing, plotting, gridding*
*and filtering*

| | C: TOP_RDG() | D: BOTTOM_RDG() | E: VRT_GRAD() | F: |
|---|---|---|---|---|
| | 53918.324219 | 53872.503906 | -45.820000 | 14 |
| | 53934.011719 | 53942.500000 | 8.487000 | 14 |
| | 53956.031250 | 54217.406250 | 261.376007 | 14 |
| | 53979.148438 | 54720.160156 | 741.010986 | 14 |
| | 53965.941406 | 54378.589844 | 412.648987 | 14 |
| 85 | 316.000000 | 310.500000 | 53953.113281 | 54117.082031 | 163.968002 | 14 |
| 86 | 316.000000 | 310.250000 | 53935.222656 | 53991.089844 | 55.866001 | 14 |
| 87 | 316.000000 | 309.779999 | 53919.246094 | 53949.285156 | 30.039000 | 14 |

# QCTool



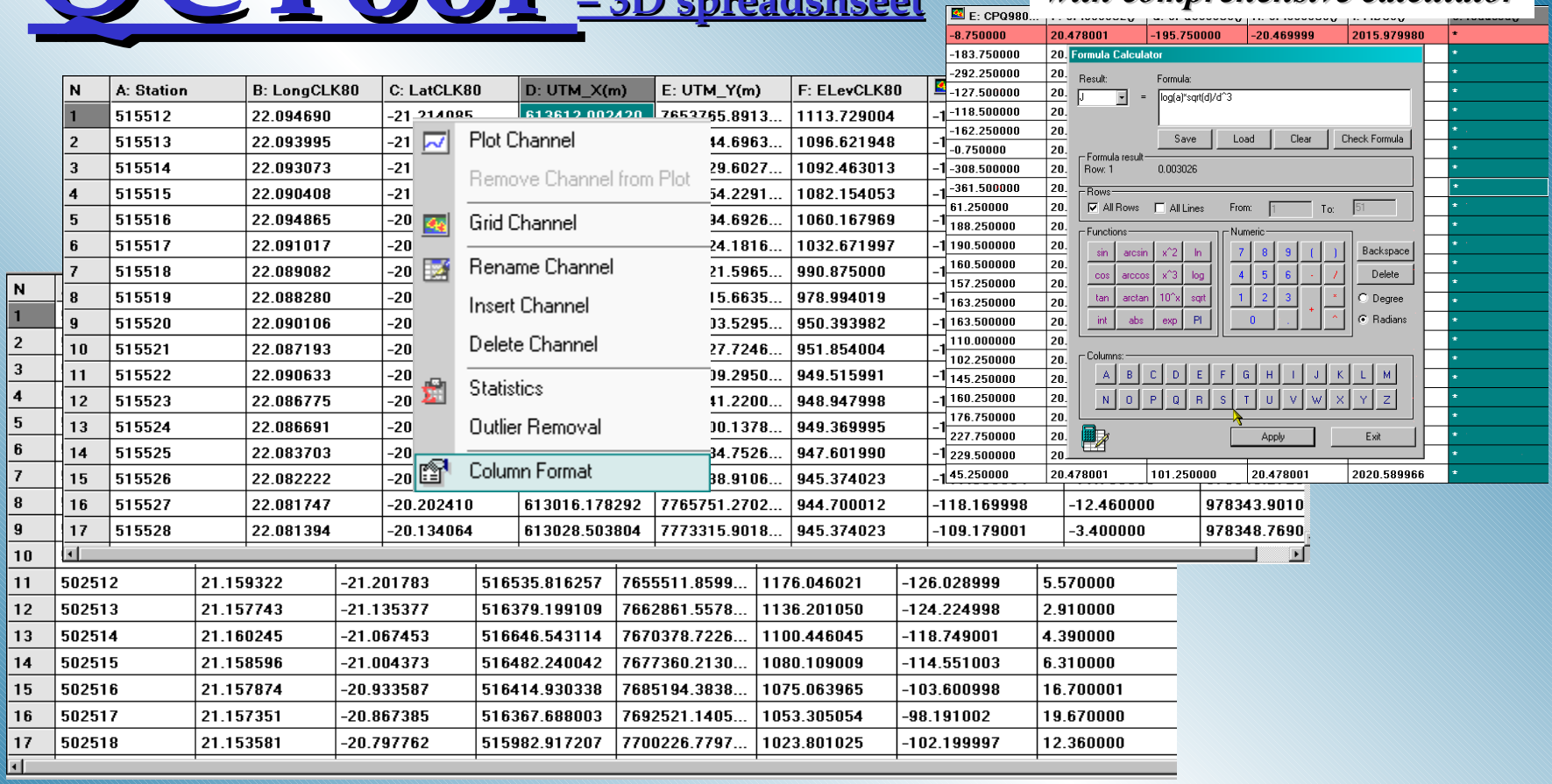

*linked plotter,*
*profile data viewing*
*and*
*spreadsheet*

aset1.eet

| | : Y() | C: TOP_RDG() | D: BOTTOM_RDG() | E: VRT_GRAD() | F: |
|---|---|---|---|---|---|
| 80 | 316.000000 | 311.750000 | 53918.324219 | 53872.503906 | -45.820000 | 14 |
| 81 | 316.000000 | 311.500000 | 53934.011719 | 53942.500000 | 8.487000 | 14 |
| 82 | 316.000000 | 311.250000 | 53956.031250 | 54217.406250 | 261.376007 | 14 |
| 83 | 316.000000 | 311.000000 | 53979.148438 | 54720.160156 | 741.010986 | 14 |
| 84 | 316.000000 | 310.750000 | 53965.941406 | 54378.589844 | 412.648987 | 14 |
| 85 | 316.000000 | 310.500000 | 53953.113281 | 54117.082031 | 163.968002 | 14 |
| 86 | 316.000000 | 310.250000 | 53935.222656 | 53991.089844 | 55.866001 | 14 |
| 87 | 316.000000 | 309.779999 | 53919.246094 | 53949.285156 | 30.039000 | 14 |

# QCTool – 3D spreadshseet

***create or manipulate data columns with comprehensive calculator***




| N | A: Station | B: LongCLK80 | C: LatCLK80 | D: UTM_X(m) | E: UTM_Y(m) | F: ELevCLK80 |
|---|---|---|---|---|---|---|
| 1 | 515512 | 22.094690 | -21.214085 | 613612.002420 | 7653765.8913... | 1113.729004 |
| 2 | 515513 | 22.093995 | -21 | | 44.6963... | 1096.621948 |
| 3 | 515514 | 22.093073 | -21 | | 29.6027... | 1092.463013 |
| 4 | 515515 | 22.090408 | -21 | | 54.2291... | 1082.154053 |
| 5 | 515516 | 22.094865 | -20 | | 84.6926... | 1060.167969 |
| 6 | 515517 | 22.091017 | -20 | | 24.1816... | 1032.671997 |
| 7 | 515518 | 22.089082 | -20 | | 21.5965... | 990.875000 |
| 8 | 515519 | 22.088280 | -20 | | 15.6635... | 978.994019 |
| 9 | 515520 | 22.090106 | -20 | | 03.5295... | 950.393982 |
| 10 | 515521 | 22.087193 | -20 | | 27.7246... | 951.854004 |
| 11 | 515522 | 22.090633 | -20 | | 09.2950... | 949.515991 |
| 12 | 515523 | 22.086775 | -20 | | 41.2200... | 948.947998 |
| 13 | 515524 | 22.086691 | -20 | | 00.1378... | 949.369995 |
| 14 | 515525 | 22.083703 | -20 | | 84.7526... | 947.601990 |
| 15 | 515526 | 22.082222 | -20 | | 38.9106... | 945.374023 |
| 16 | 515527 | 22.081747 | -20.202410 | 613016.178292 | 7765751.2702... | 944.700012 |
| 17 | 515528 | 22.081394 | -20.134064 | 613028.503804 | 7773315.9018... | 945.374023 |

| N | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| 11 | 502512 | 21.159322 | -21.201783 | 516535.816257 | 7655511.8599... | 1176.046021 | -126.028999 | 5.570000 |
| 12 | 502513 | 21.157743 | -21.135377 | 516379.199109 | 7662861.5578... | 1136.201050 | -124.224998 | 2.910000 |
| 13 | 502514 | 21.160245 | -21.067453 | 516646.543114 | 7670378.7226... | 1100.446045 | -118.749001 | 4.390000 |
| 14 | 502515 | 21.158596 | -21.004373 | 516482.240042 | 7677360.2130... | 1080.109009 | -114.551003 | 6.310000 |
| 15 | 502516 | 21.157874 | -20.933587 | 516414.930338 | 7685194.3838... | 1075.063965 | -103.600998 | 16.700001 |
| 16 | 502517 | 21.157351 | -20.867385 | 516367.688003 | 7692521.1405... | 1053.305054 | -98.191002 | 19.670000 |
| 17 | 502518 | 21.153581 | -20.797762 | 515982.917207 | 7700226.7797... | 1023.801025 | -102.199997 | 12.360000 |

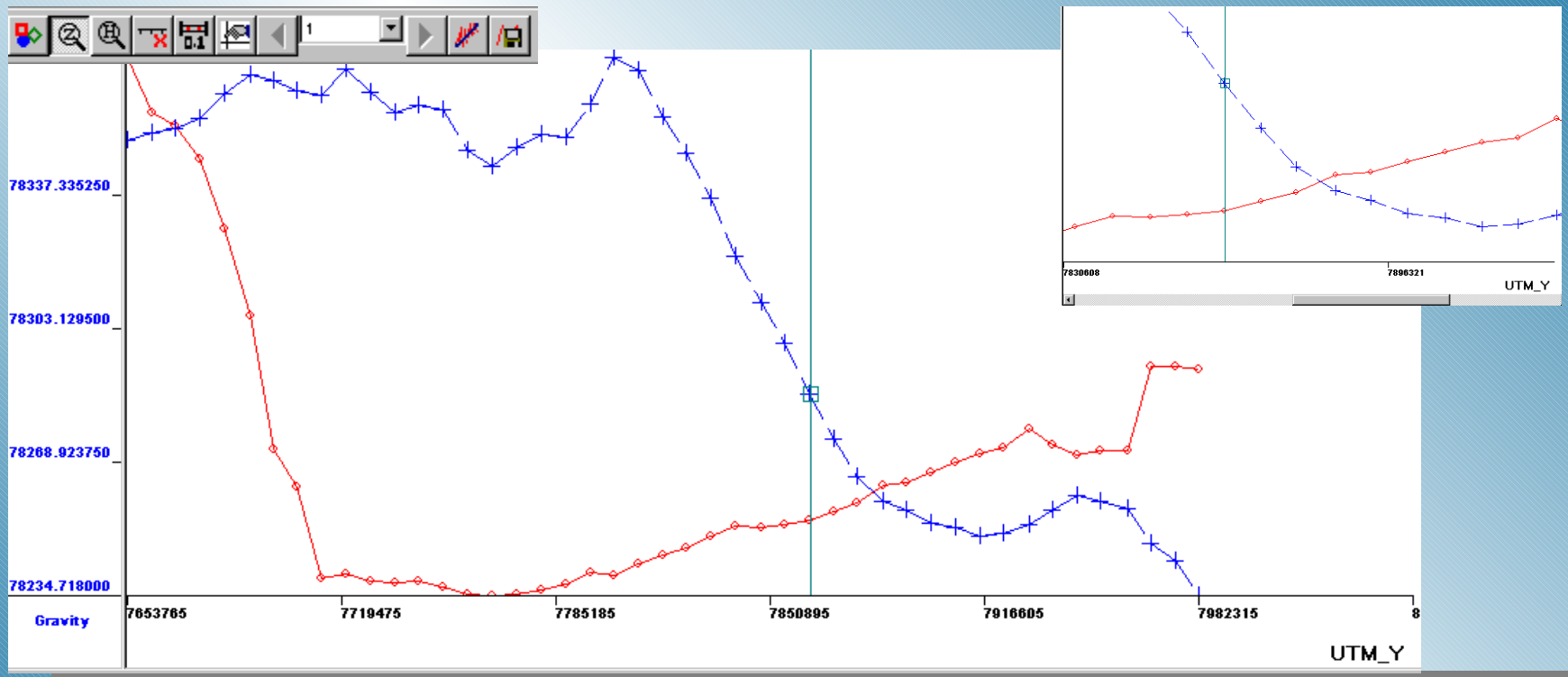
- Unlimited data columns or channels (go beyond the 512 limit)
- Unlimited data records or rows - (go beyond the 64K limits)
- Linked multiple table spreadsheets for common processing and display
- Analyse, filter, plot, grid

# QCTool – 3D spreadshseet

- *Data Merging and Appending*
- *Sorting and interpolation functions*
- *Imports & Exports*
  - *Binary or ASCII column or XYZ data,*
  - *Excel,*
  - *Geosoft,*
  - *Scintrex instrument dumps*

❖ *let us write an import for your instrument*

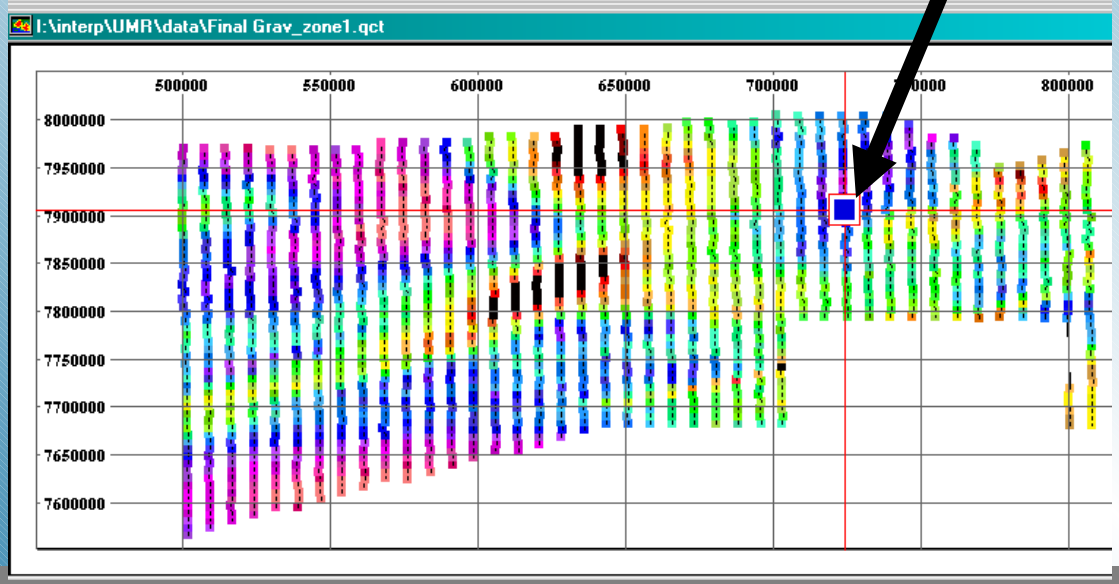
# QCTool – plotting

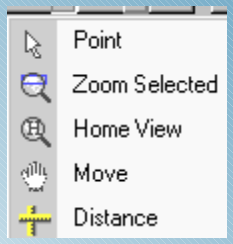



- Quick and Flexible
- Change abcissa quickly
- Easy multi-parameter plotting
- Zoom and pan with x and y sliders for easy, accurate analyses
- directly linked to 3D spreadsheet for editing and analyses

# OCTool – 2D plots

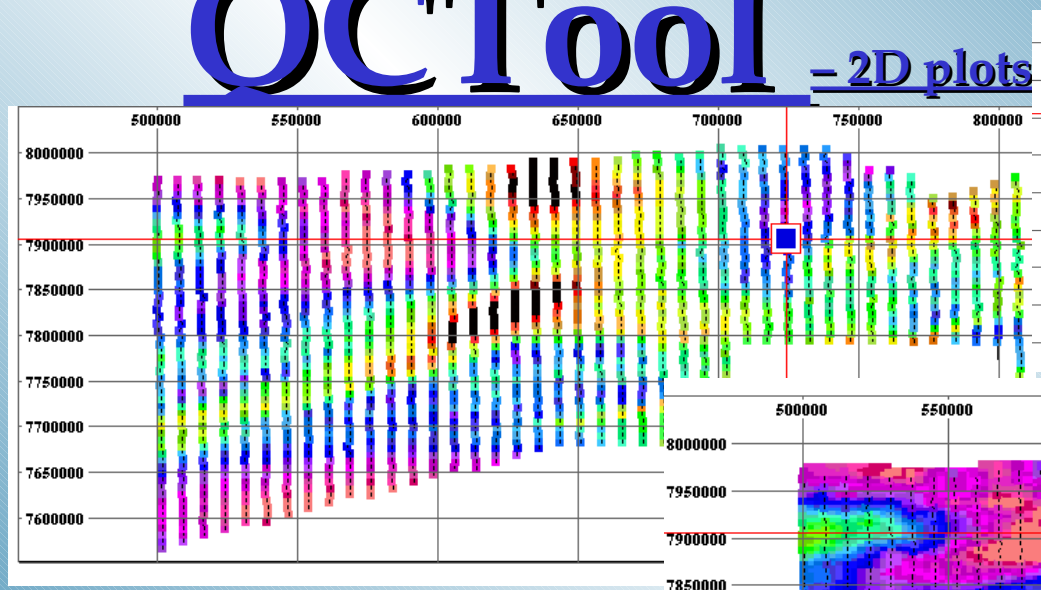
| N | B: LongCLK80 | C: LatCLK80 | D: UTM_X(m) | E: UTM_Y(m) | F: ELevCLK80 | G: Boug | H: |
|---|---|---|---|---|---|---|---|
| 16 | 23.131243 | -18.917564 | 724464.529415 | 7906939.9167... | 959.184998 | -127.524002 | * |
| 17 | 23.126765 | -18.858158 | 724071.698391 | 7913522.3390... | 961.205994 | -131.07[illegible]96 | * |
| 18 | 23.123974 | -18.794565 | 723861.825479 | 7920565.9387... | 959.140015 | -130.1[illegible]993 | * |
| 19 | 23.122980 | -18.719899 | 723855.544173 | 7928833.1785... | 956.794983 | -133.[illegible]7996 | * |
| 20 | 23.121977 | -18.652397 | 723838.507477 | 7936307.1768... | 956.679016 | -135.[illegible]29004 | * |
| 21 | 23.121447 | -18.582739 | 723873.797886 | 7944019.3526... | 955.901978 | -1[illegible].311996 | * |

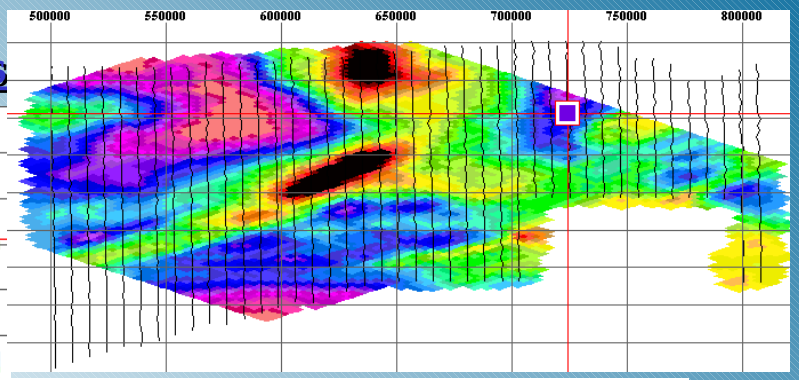


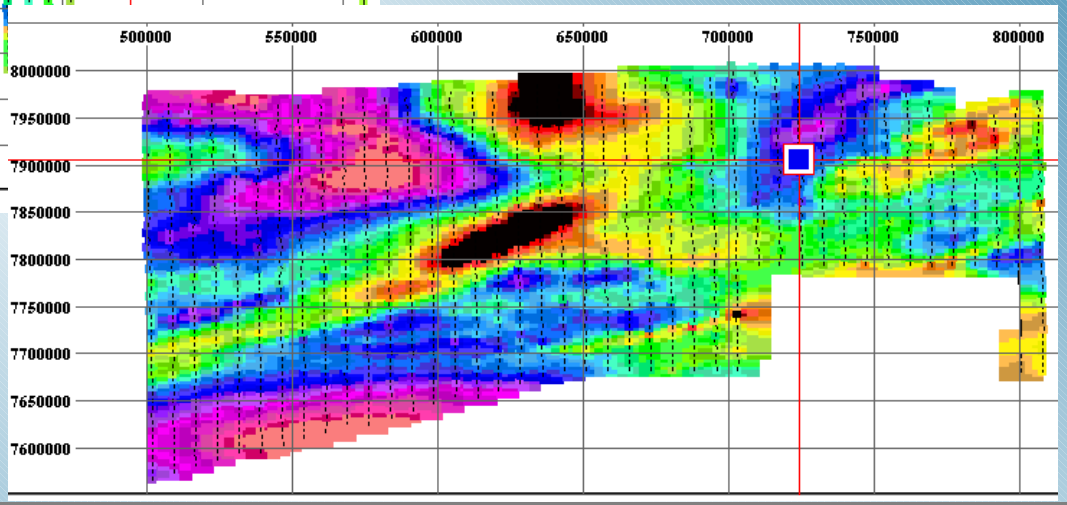




- Quick and Flexible - 2D plots of p(x,y) where p,x,y are any 3 columns
- Change p,x,y quickly
- Across multiple tables or worksheets
- Easy zoom , pan with slide moving
- Linked to 3D spreadsheet for editing and analyses

# OCTool – 2D plots

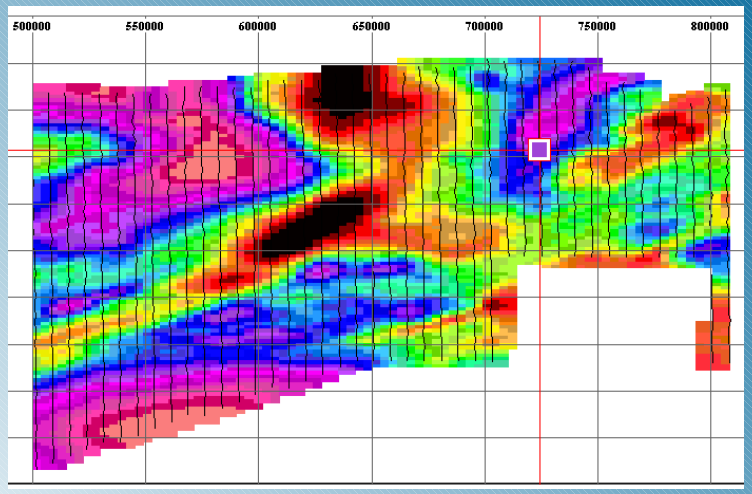


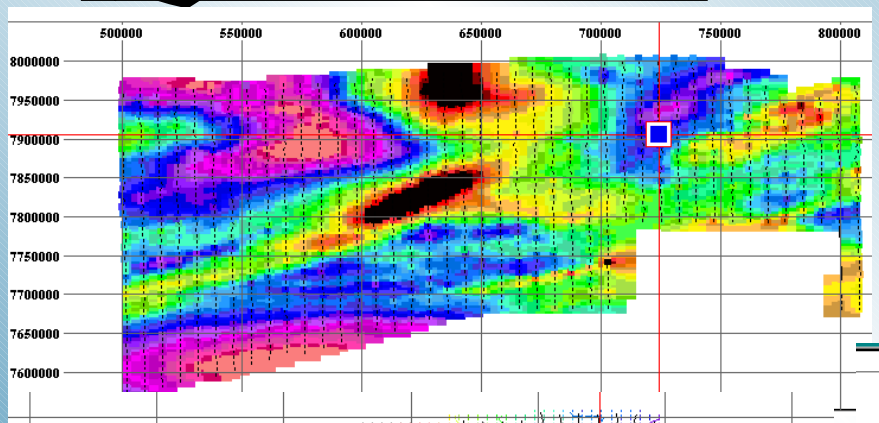



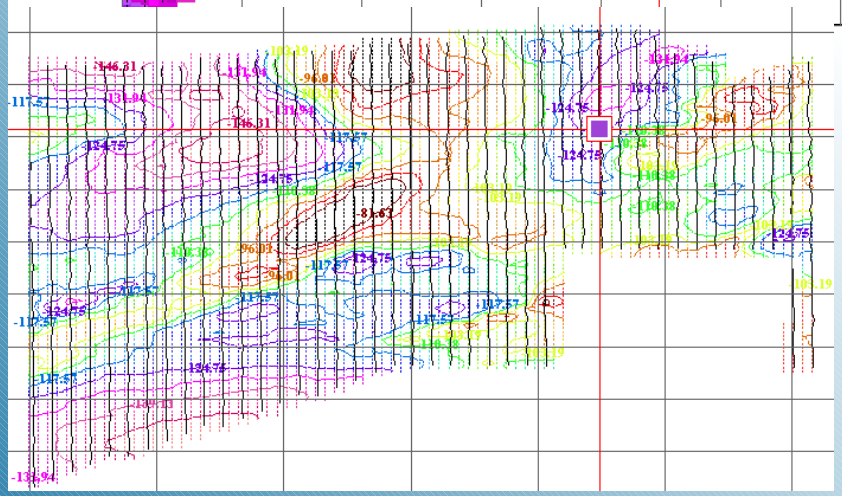



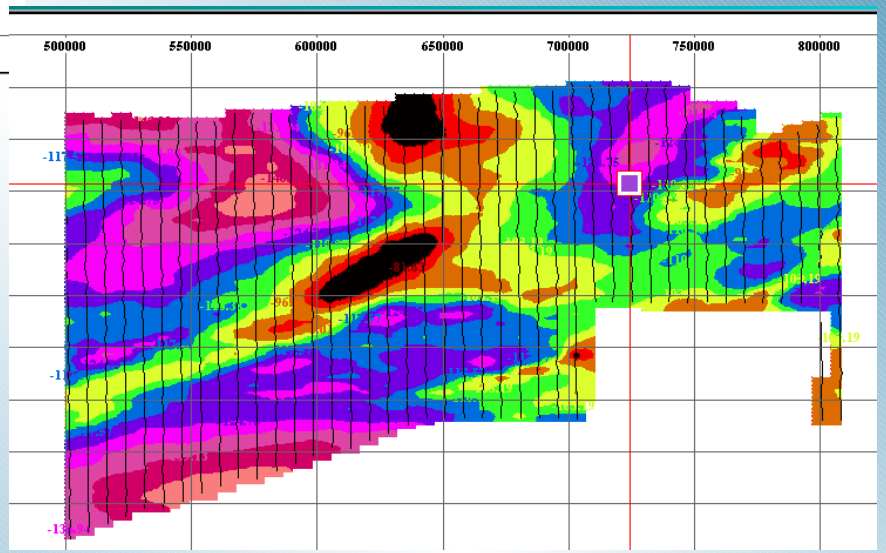

- individual data point displays or interpolated grids
- natural neighbour local or minimum curvature global interpolation
- choose your own grid cell size either square or rectangular
- choose your grid angle

# QCTool – 2D plots



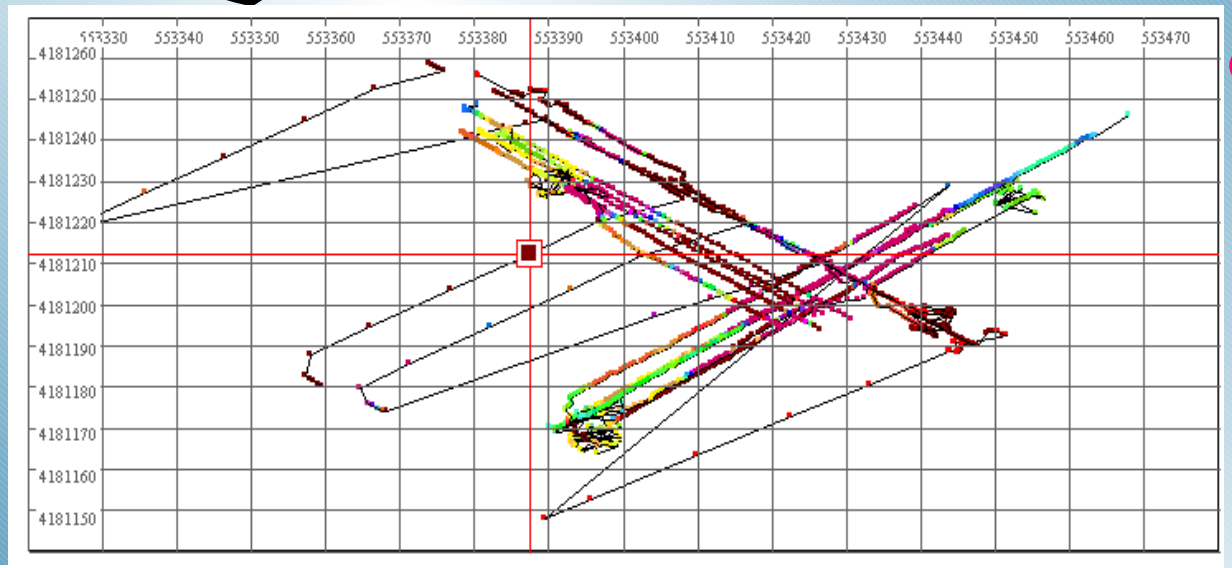



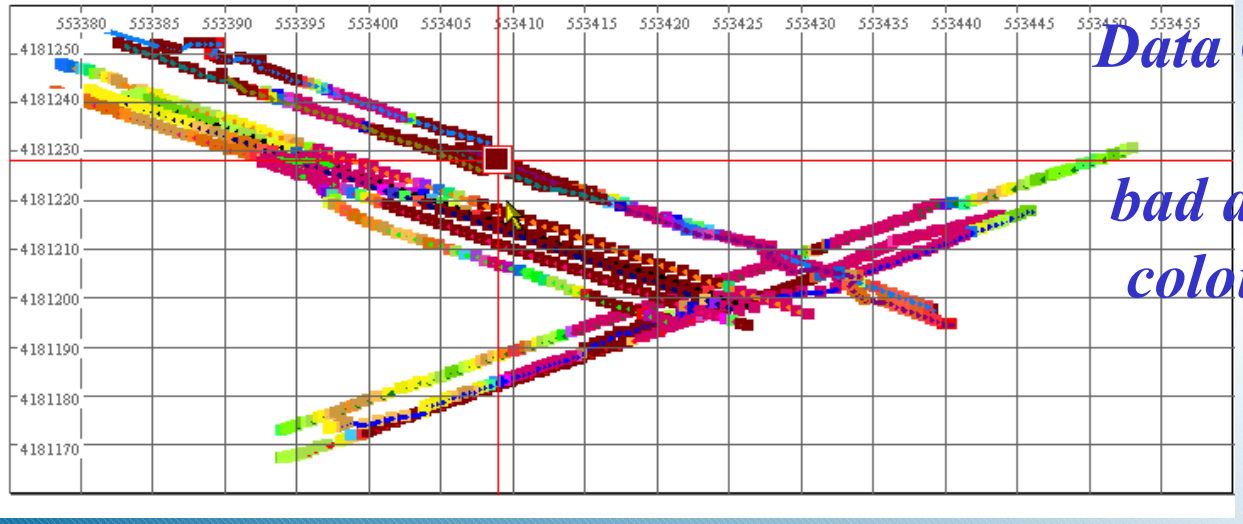






- equal range or equal area (weight) displays
- show interpolated vertices or fill cells
- contours or filled contours

# QCTool Editing

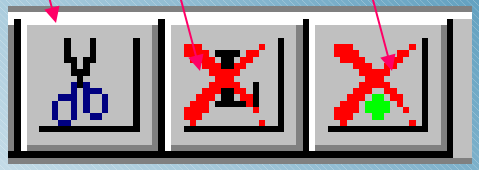



cut line

delete line

delete point



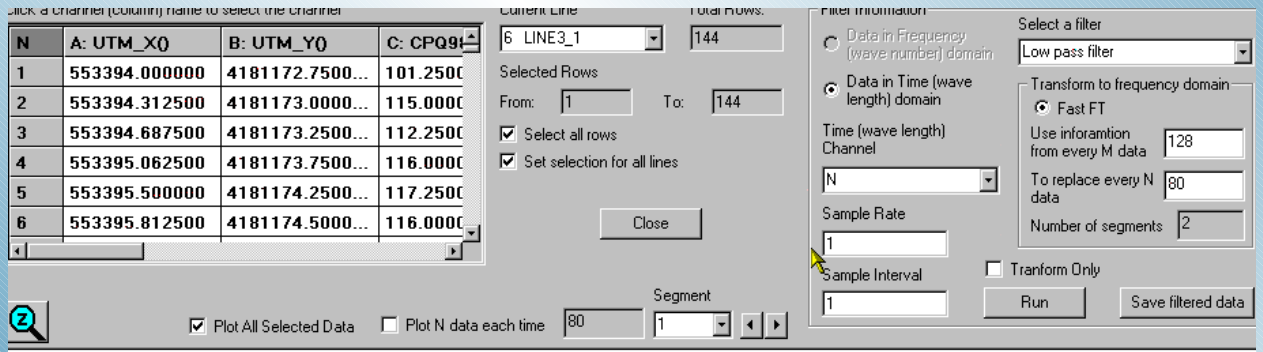
*Data Cleaning*

*bad data location editing*

*coloured data displays*

# QCTool filtering

*Data Filtering*
*Sprectum Analyser*
*Raw vs filtered overlays*

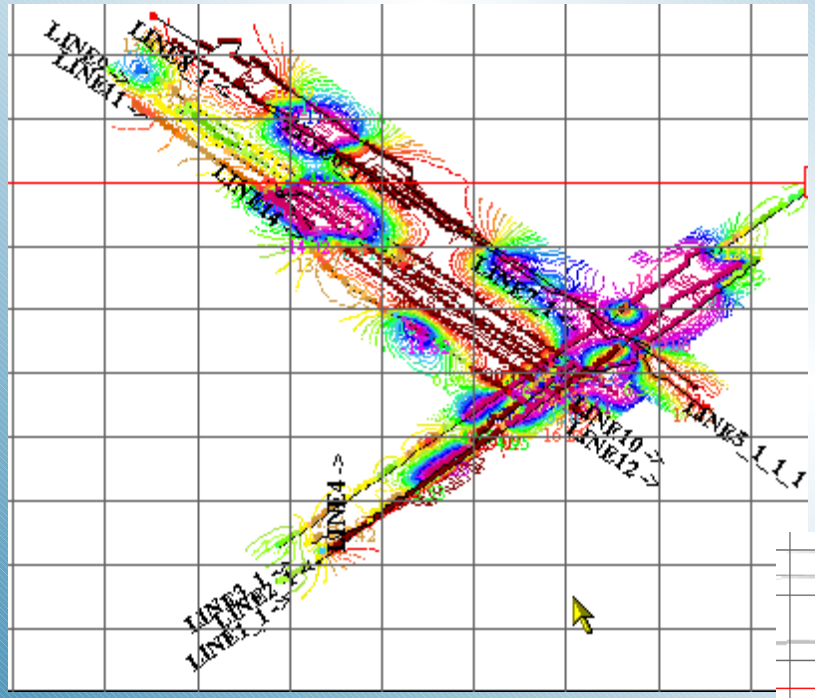



data

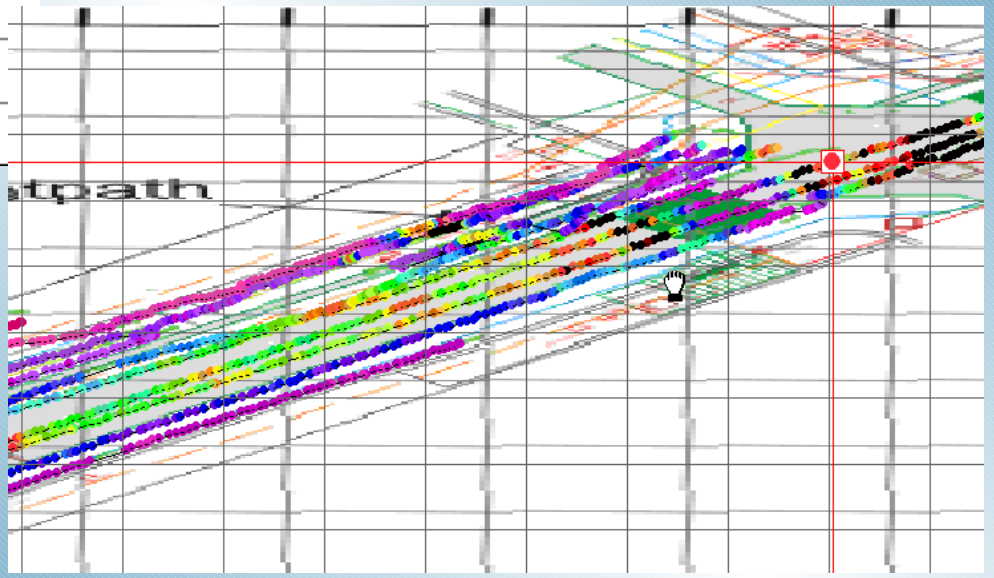
sprectra

***low pass***
***high pass***
***bandpass***
***mean***
***median***
***Gaussian***

# QCTool Mapping

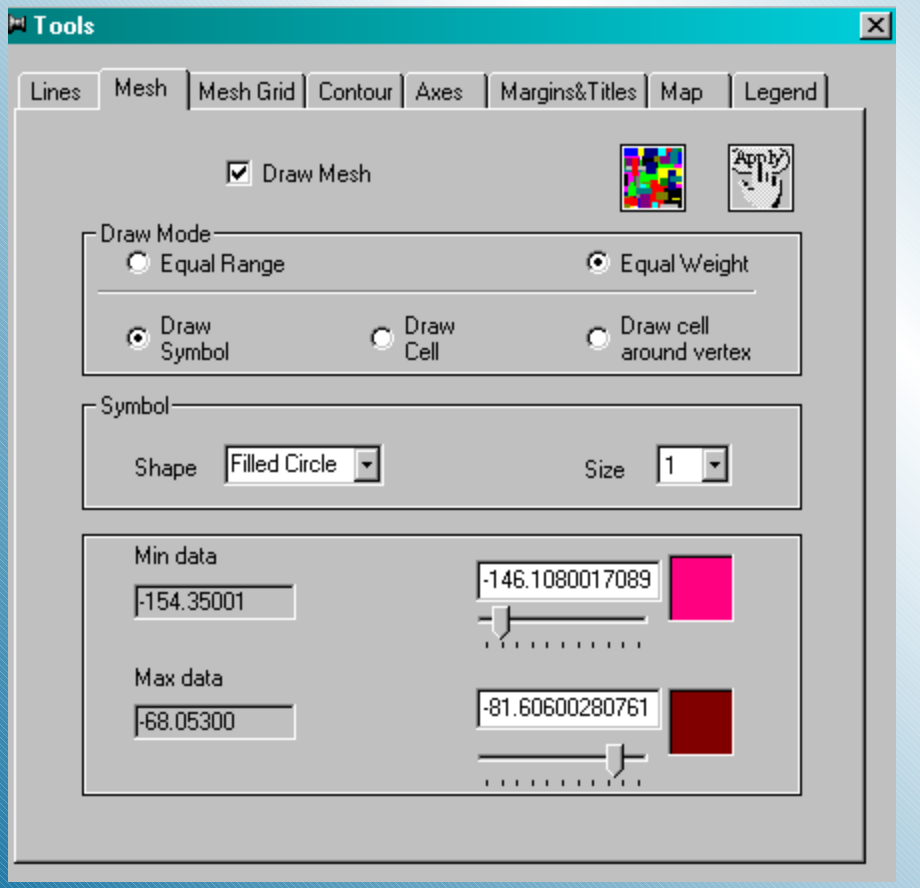



*non-convex local contouring and map underlays*

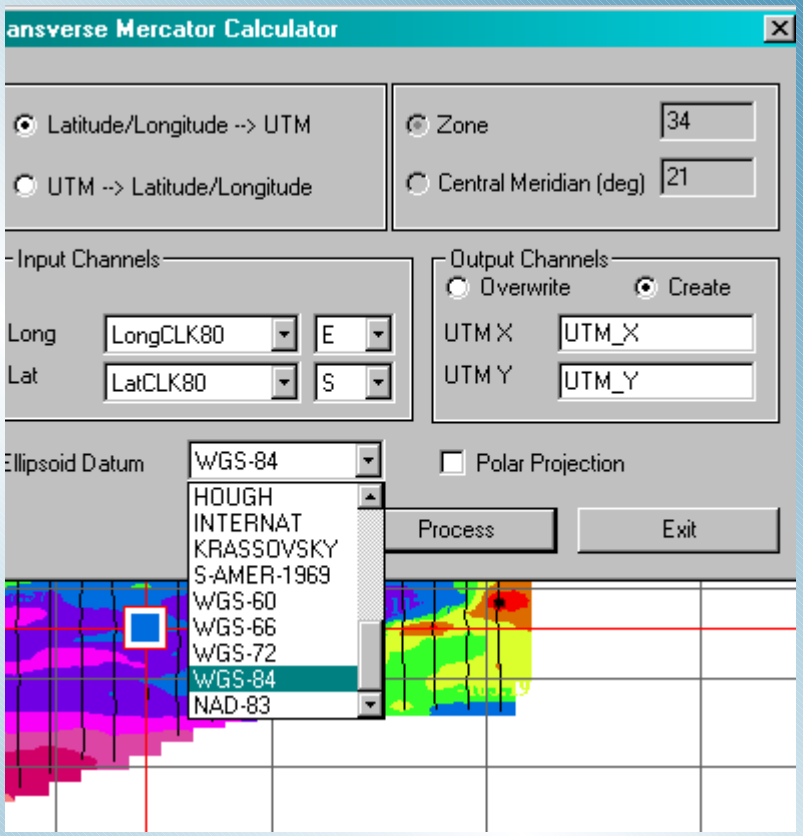


# QCTool Mapping

➢ *with map calibration, annotation, and data overlay*




UTM , Lambert, Polar



# QCTool Summary

- *Easy to use,*
- *Low cost*
- *Large or small datasets*
- *Perfect for laboratory or infield QC*
- *Small installation*