

FUGRO AIRBORNE SURVEYS - TEMPEST SYSTEM - Woolner, NT

X-AXIS and Z-AXIS: B-FIELD (equivalent square wave response)
EM profile data corrected for Tx pitch & roll, Tx-Rx geometry and Tx terrain clearance (to terrain clearance of 120m)
P - Parallel or -1.0s applied to X-axis and -0.2s applied to Z-axis (appropriate for horizontal or broad conductors)
CDI conductivities calculated from levelled height/pitch/roll geometry corrected X-axis and Z-axis EM data

Line number: 13102803:30
Line range: 8258.00 - 9426.80
Fiducial range: 7035.0 to 8571.289.3 711569.5 8571.281.3
Line location: Geoscience Australia
Client: Geoscience Australia
Survey area: Woolner
Date from: October to December, 2008
Job number: 2017 (FAS), 1196 (GA)
Tx frequency: 25Hz

CDI SECTIONS
Horizontal scale: 1:50000
Vertical scale: 1:10000

Terrain Elevation with
Aircraft Transmitter Elevation
(AHD - 100m/cm)

vertical_derivative 0.1 nT/m/cm

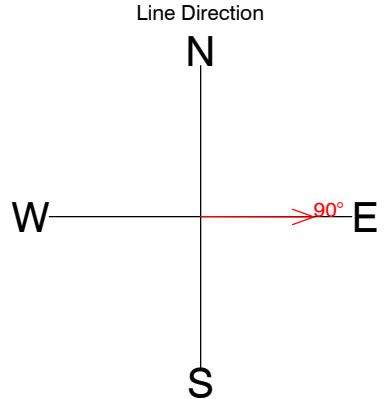
total_magnetic_field 100 nT/cm

vertical_derivative 0.1 nT/m/cm

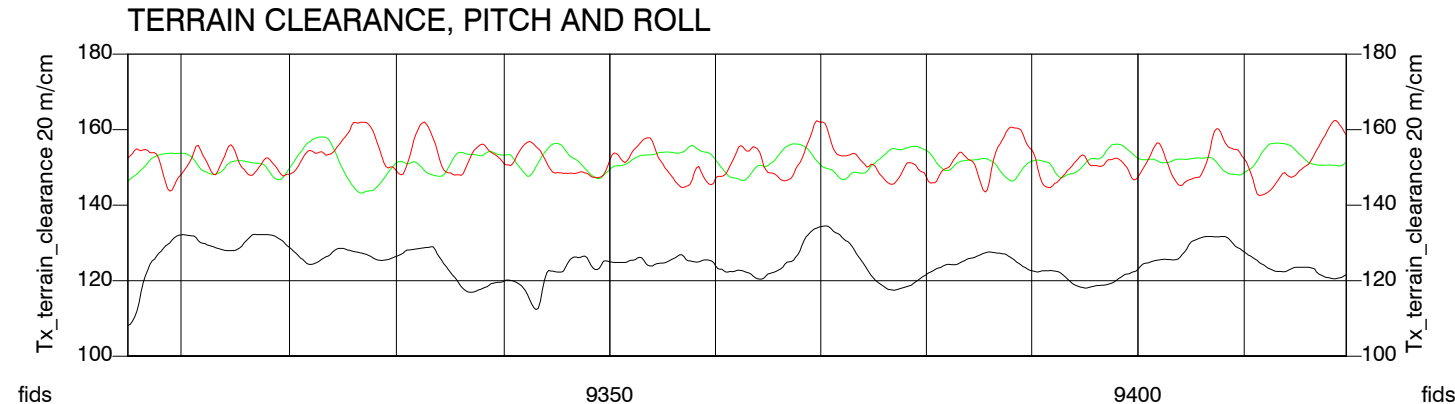
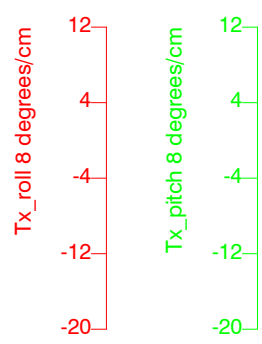
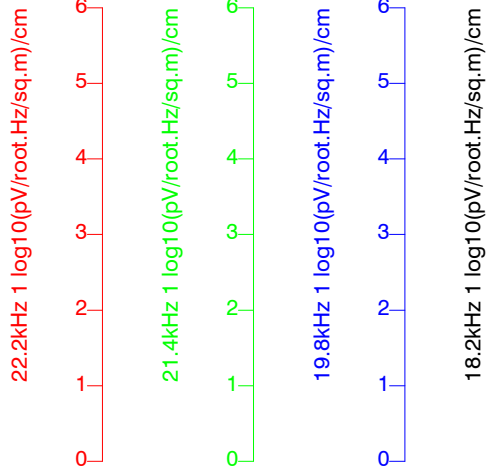
total_magnetic_field 100 nT/cm

Terrain Elevation with
Aircraft Transmitter Elevation
(AHD - 100m/cm)

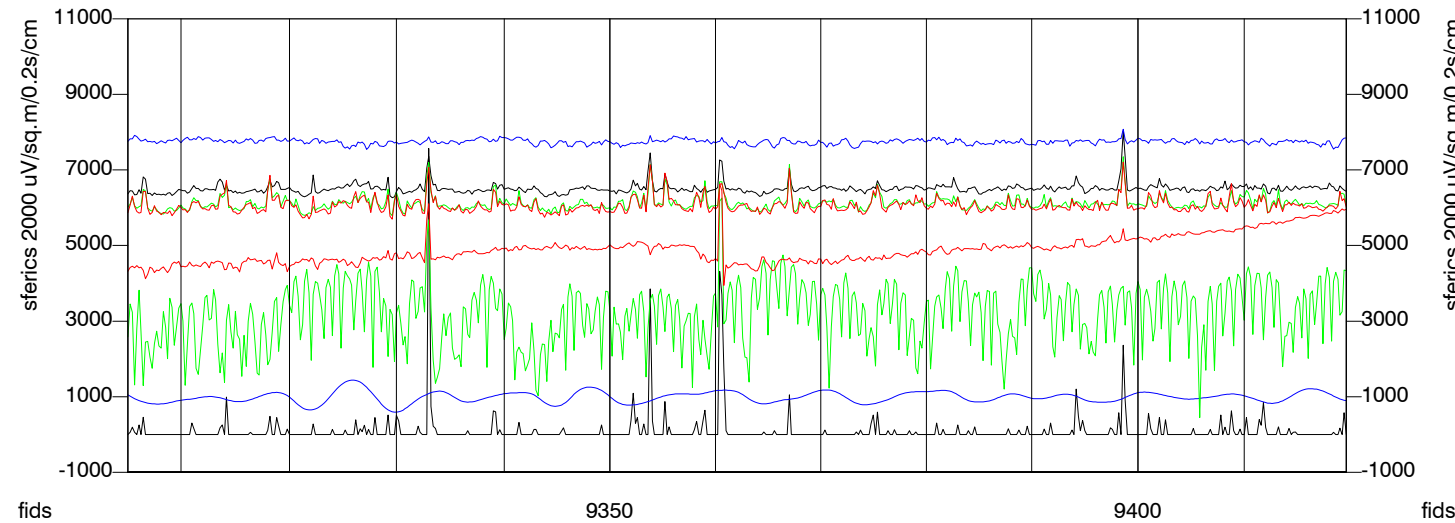
Conductivity (mS/m)



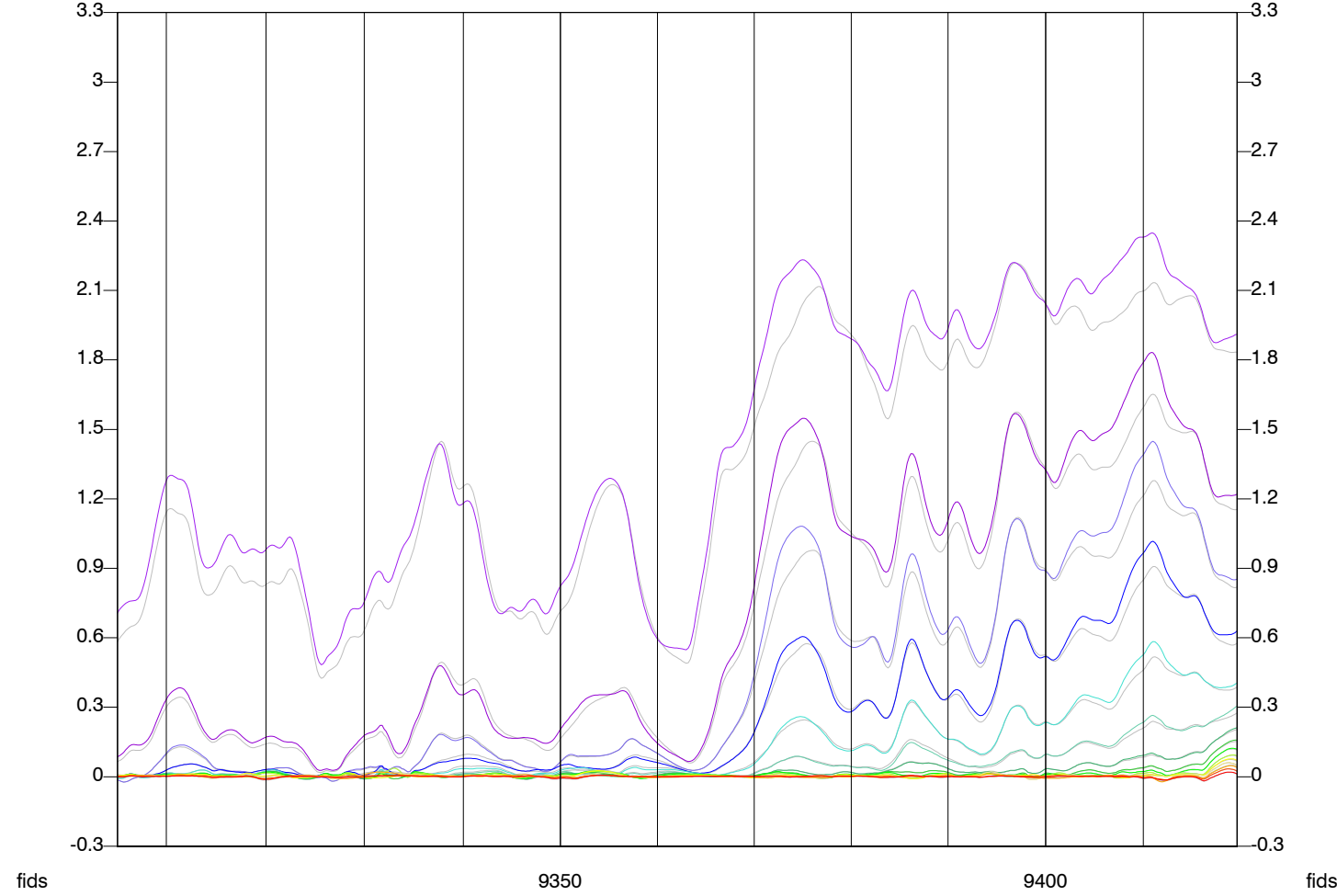
Line: L3102803:30



X EM MONITORS



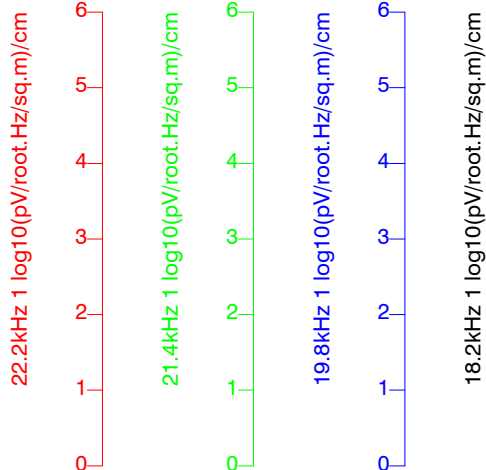
X WINDOWS (asinh(FT))



[Grey profiles are uncorrected EM]
[Coloured profiles are corrected EM]

asinh(FT)

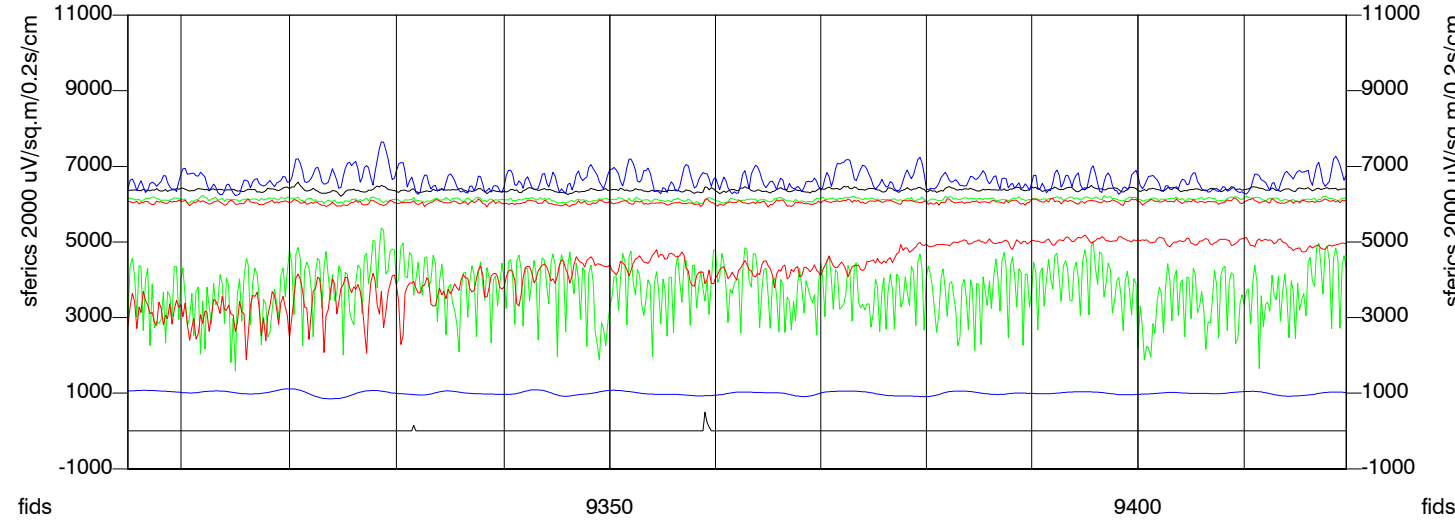
X01_0.013ms 0.3 asinh(FT)/cm
X02_0.040ms 0.3 asinh(FT)/cm
X03_0.067ms 0.3 asinh(FT)/cm
X04_0.107ms 0.3 asinh(FT)/cm
X05_0.173ms 0.3 asinh(FT)/cm
X06_0.280ms 0.3 asinh(FT)/cm
X07_0.453ms 0.3 asinh(FT)/cm
X08_0.720ms 0.3 asinh(FT)/cm
X09_1.120ms 0.3 asinh(FT)/cm
X10_1.733ms 0.3 asinh(FT)/cm
X11_2.2_z_plims 0.3 asinh(FT)/cm
X12_4.200ms 0.3 asinh(FT)/cm
X13_6.560ms 0.3 asinh(FT)/cm
X14_10.200ms 0.3 asinh(FT)/cm
X15_16.200ms 0.3 asinh(FT)/cm



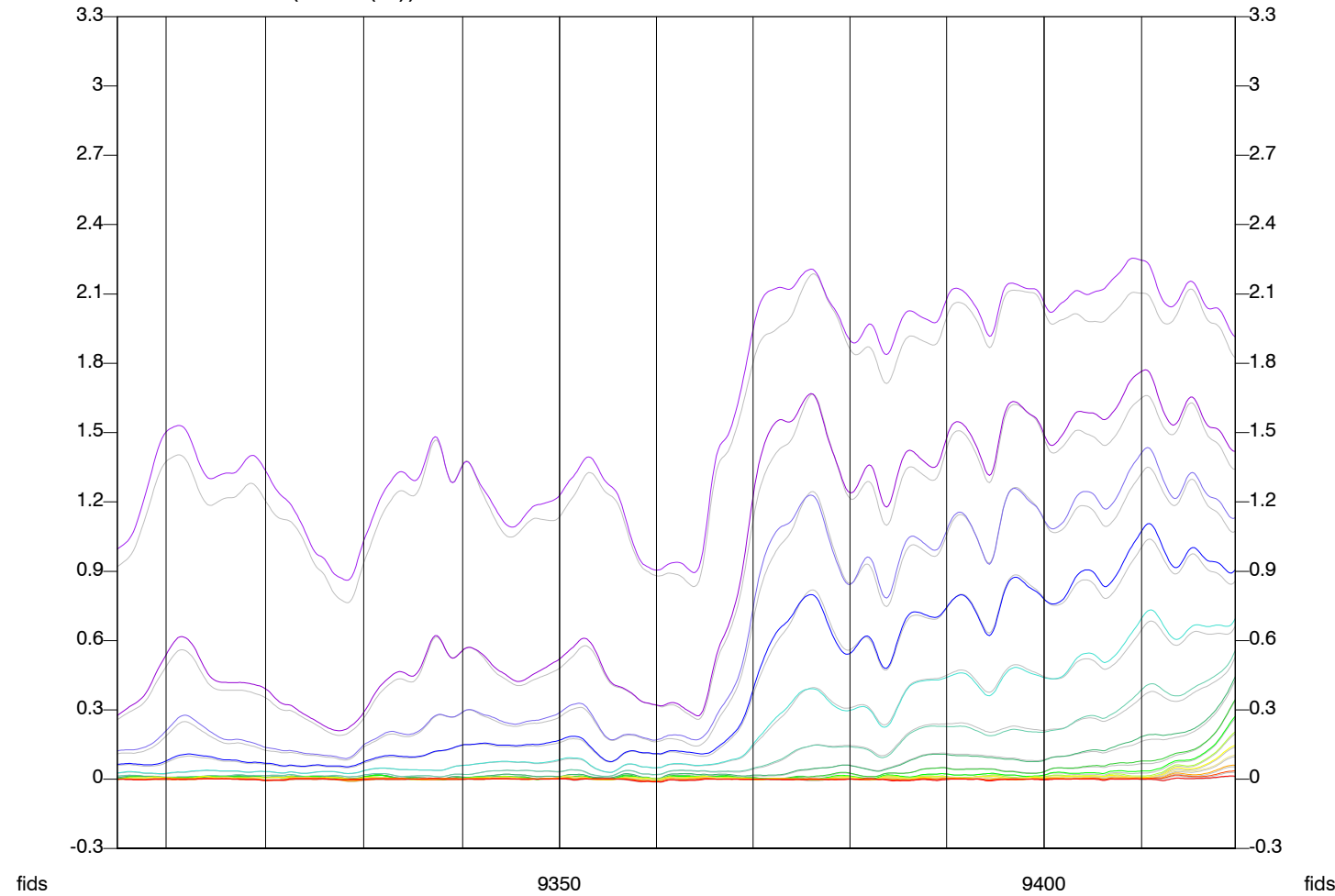
asinh(FT)

Z01_0.013ms 0.3 asinh(FT)/cm
Z02_0.040ms 0.3 asinh(FT)/cm
Z03_0.067ms 0.3 asinh(FT)/cm
Z04_0.107ms 0.3 asinh(FT)/cm
Z05_0.173ms 0.3 asinh(FT)/cm
Z06_0.280ms 0.3 asinh(FT)/cm
Z07_0.453ms 0.3 asinh(FT)/cm
Z08_0.720ms 0.3 asinh(FT)/cm
Z09_1.120ms 0.3 asinh(FT)/cm
Z10_1.733ms 0.3 asinh(FT)/cm
Z11_2.2_z_plims 0.3 asinh(FT)/cm
Z12_4.200ms 0.3 asinh(FT)/cm
Z13_6.560ms 0.3 asinh(FT)/cm
Z14_10.200ms 0.3 asinh(FT)/cm
Z15_16.200ms 0.3 asinh(FT)/cm

Z EM MONITORS



Z WINDOWS (asinh(FT))



asinh(FT)

Z01_0.013ms 0.3 asinh(FT)/cm
Z02_0.040ms 0.3 asinh(FT)/cm
Z03_0.067ms 0.3 asinh(FT)/cm
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