

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)
Parallax of -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: flight number : L3102603:30
Fiducial range : 8759.00 8857.80
Line location : 709473.8 8571932.0 711557.5 8571950.0
Client : Geoscience Australia
Contract : 2017 FAS, 1196 (GA)
Date flown : 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

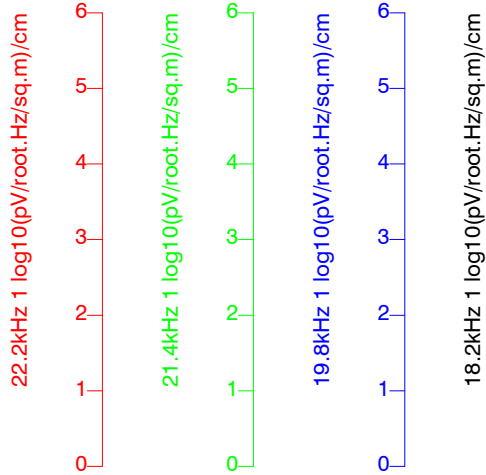
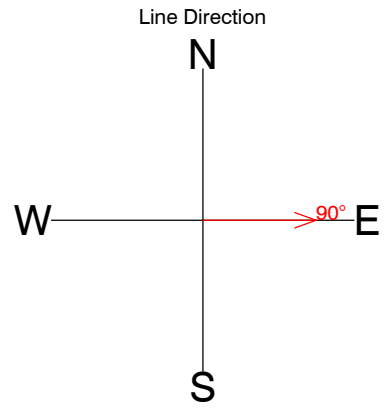
vertical_derivative 0.1 nT/m/cm

total_magnetic_field 100 nT/cm

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

vertical_derivative 0.1 nT/m/cm

total_magnetic_field 100 nT/cm



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

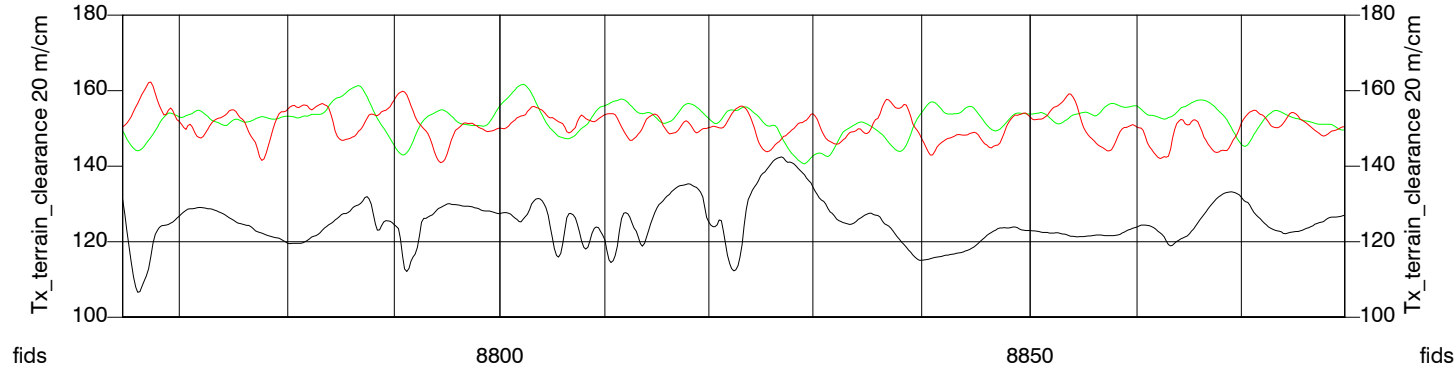
asinh(FT)

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.plms 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

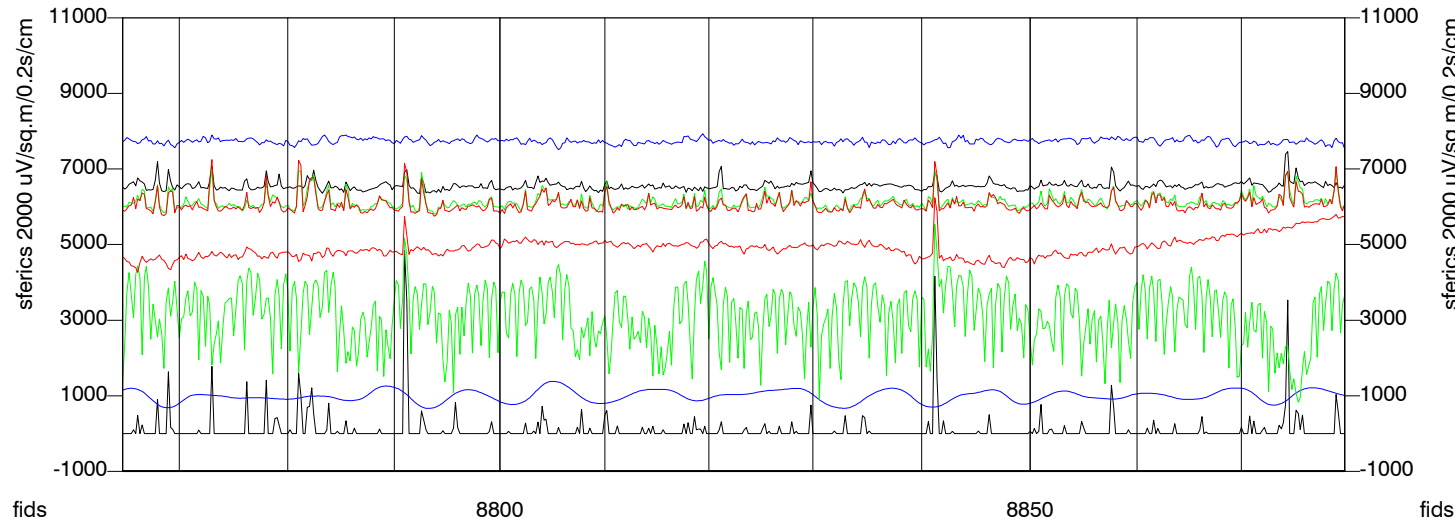
asinh(FT)

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.plms 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

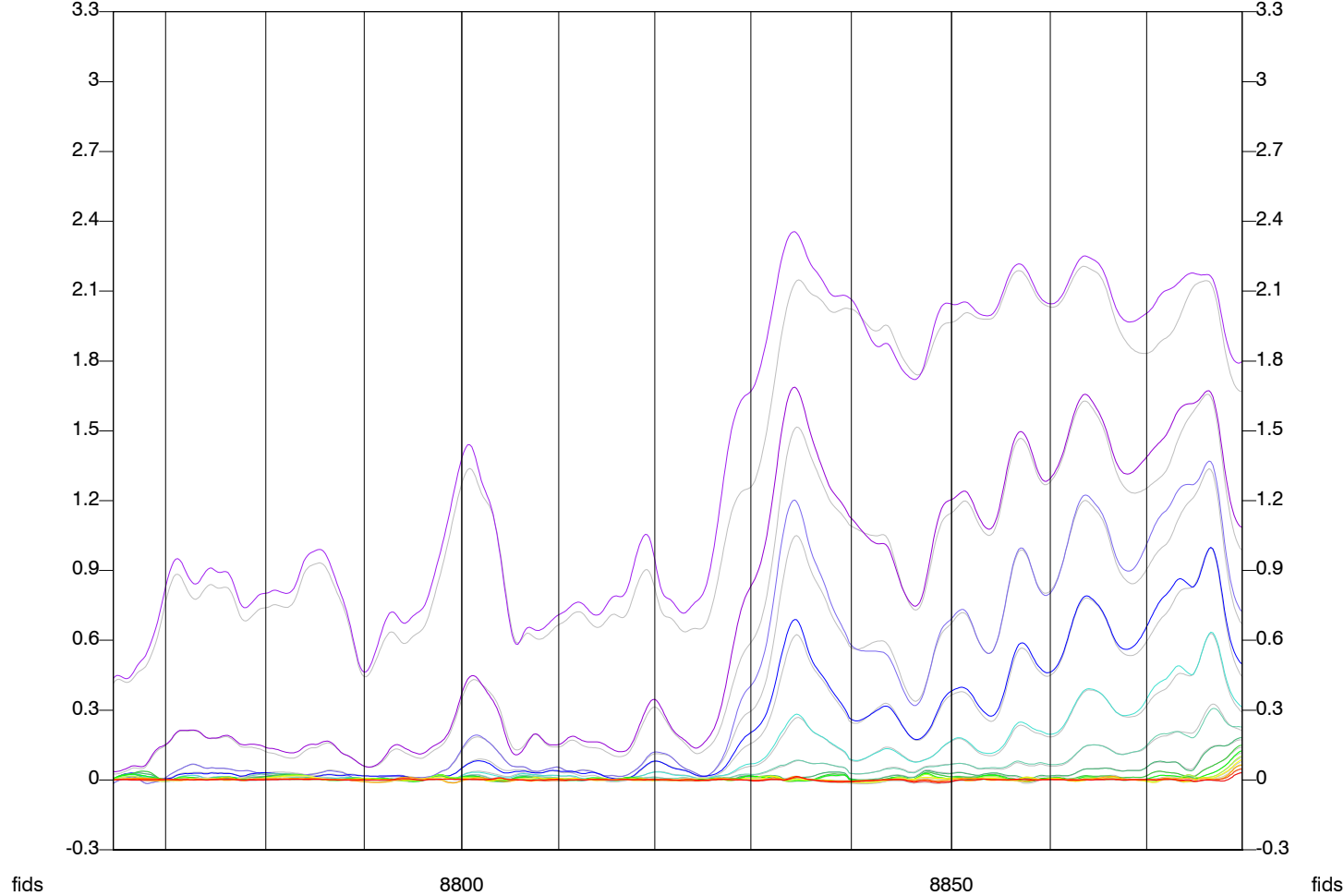
TERRAIN CLEARANCE, PITCH AND ROLL



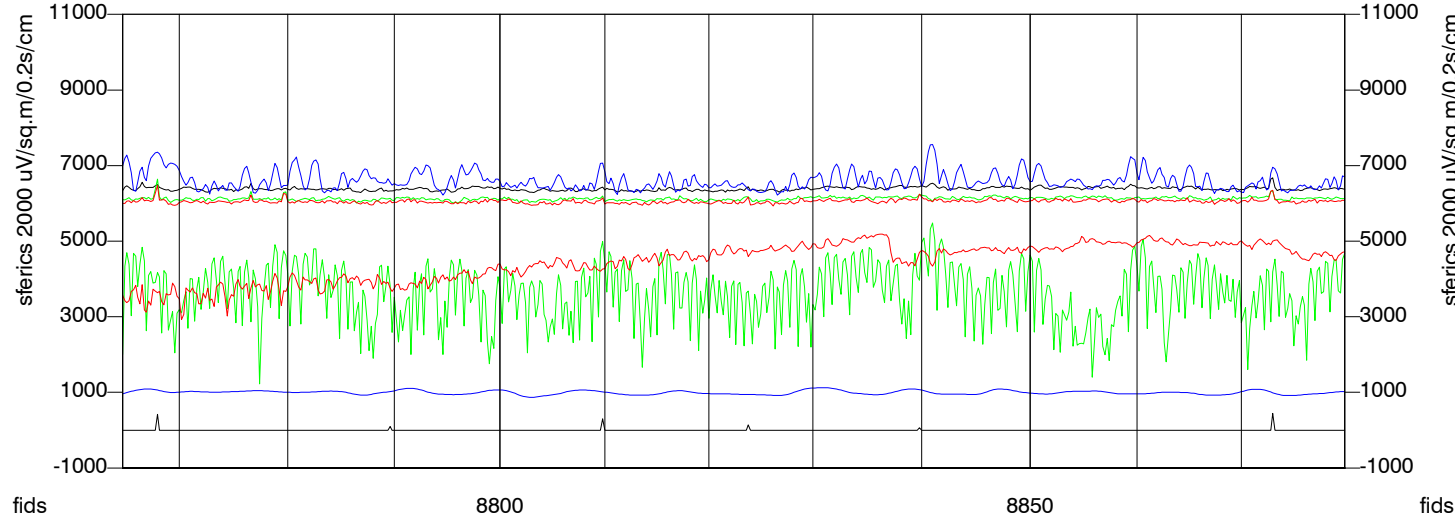
X EM MONITORS



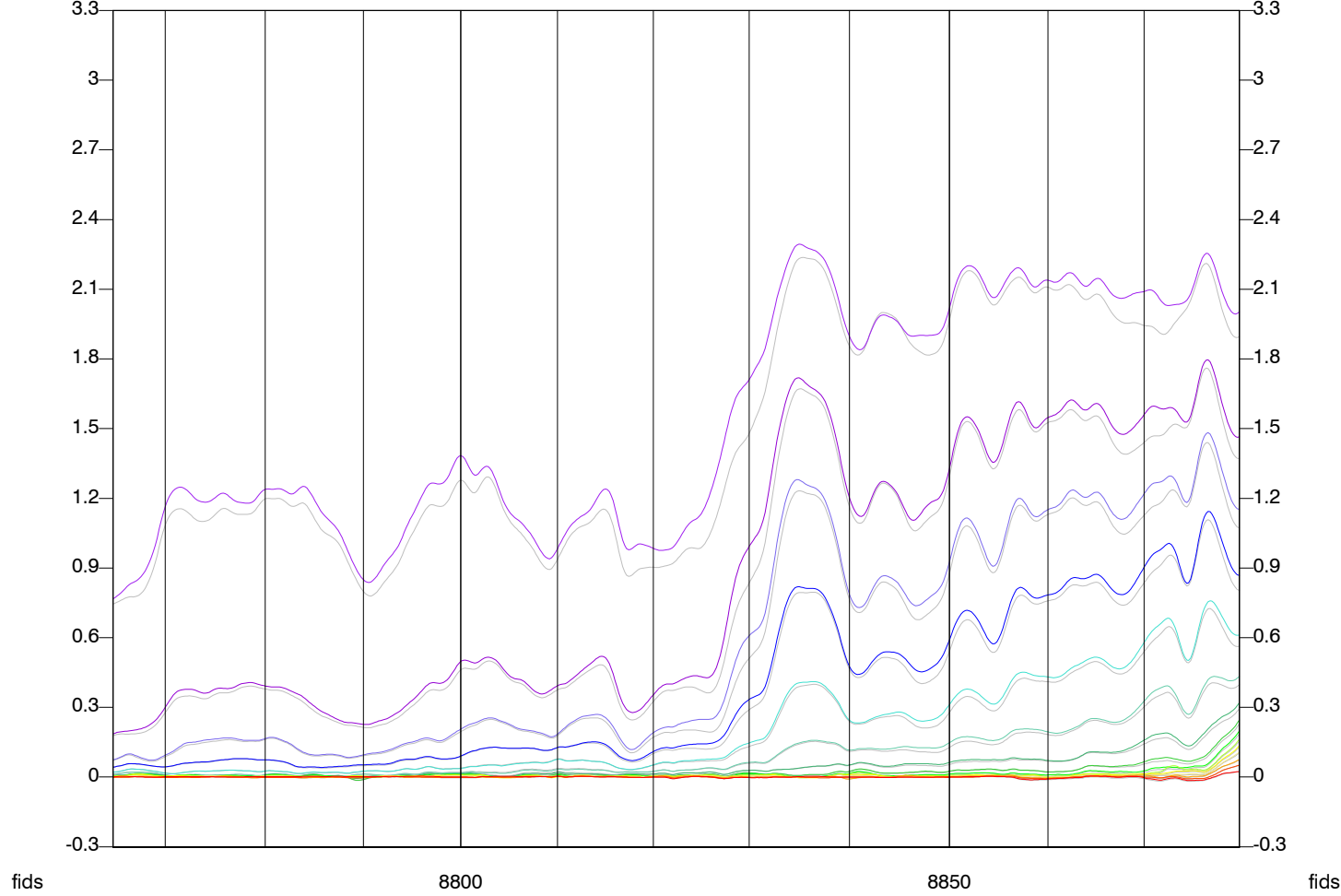
X WINDOWS (asinh(FT))



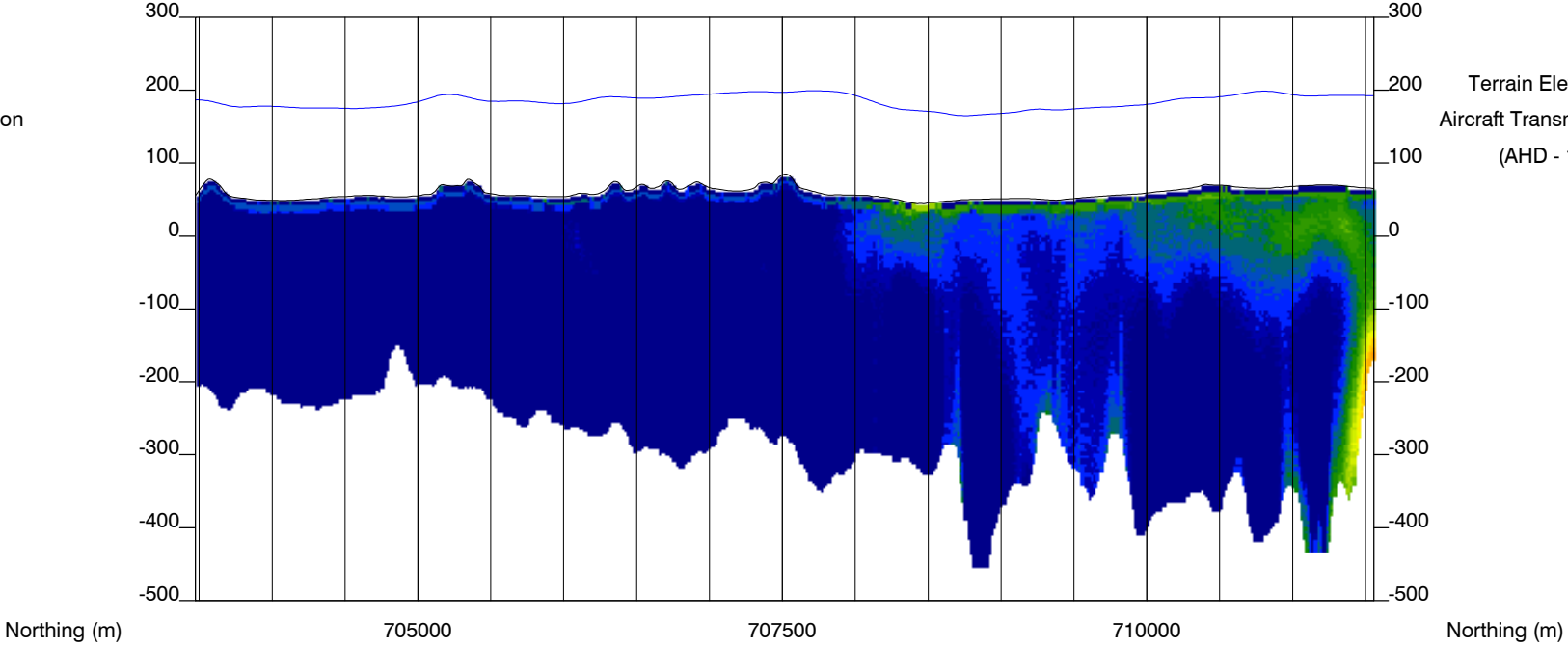
Z EM MONITORS



Z WINDOWS (asinh(FT))



CDI VERTICAL SYNTHETIC SECTION



MAGNETICS

