



SURVEY SPECIFICATIONS
 Survey Flow: September 22, 2012
 Survey Type: Fixed Wing Horizontal Magnetic Gradiometry,
 XDS VLF-EM
 Survey Operations Base: Gander, NFLD
 Survey Line Azimuth: 090°/270°
 Control Line Azimuth: 000°/180°
 Survey Line Spacing: 200 m and 300 m
 Control Line Spacing: 2000 m
 Aircraft Mean Terrain Clearance: 60.1 m
 Mean Ground Air Speed: 57.2 m/s

AIRCRAFT SPECIFICATIONS
 Aircraft Type: Cessna U206
 Aircraft Registration: C-GGSL
 Aircraft Air Speed: 216 km/h

AIRCRAFT INSTRUMENTATION
 Data Acquisition: RMS Instruments DAARC 500
 GPS Differential Receiver: Trimble AGPS 132
 GPS Real Time Correction: Omnistar
 Radar Altimeter: Bendix/King RFA-10A
 Sierometer Altimeter: Safran LX18001AN
 Fluxgate Magnetometer: Billingsley Magnetics 3 Axis TFM 100-G2
 XDS VLF-EM: Proprietary Terrence's Passive/Broadband
 Multiple Axis Coil Geometry System
 Navigation: AghNav Inc. LINAV

AIRCRAFT MAGNETOMETERS (2)
 Magnetometers: Scintrex CS-3 (Tail) Geometrics G-862A (Wings tips)
 Magnetometer Sensitivity: +/- 0.005 nT
 Magnetometer Counter: RMS Instruments DAARC 500
 Installation: Wing Tip Poles, Tail Stinger
 Wing Tip Magnetometer Separation: 13.2 m
 Wing Centre - Tail Magnetometer Separation: 8.67 m
 Sampling Rate: 10 Hz

GROUND INSTRUMENTATION
 Data Acquisition: Krom V5 Instruments SDAS V2
 Ground Magnetometer: Scintrex CS-3 Cesium Vapour
 GPS Receiver: Garmin, 1 Hz
 Base Station Location: Gander, NFLD

PROCESSING SUMMARY
 MAGNET (CS):
 Diurnal Correction
 Tie Line Leveling
 Microleveling
 XDS VLF-EM:
 Normalize
 Mean level
 Microleveling

Cell Size: 50 m
 Bidirectional Gidding

Contour Intervals: 20, 100, 500 nT

SURVEY LINE ANNOTATION FOR L1000 m >
 LT - survey line, m - line number, m - flight number
 > - flight direction

Topography Source: Canmet/NR, Natural Resources Canada
 Projection: NAD 83; Scale: 1:50,000

