

**SURVEY SPECIFICATIONS:**

Survey flying date: January 11-14, 2019  
Survey operations base: Strahan town  
Survey Line spacing: 200-400 meters  
Survey Line direction: N 0 E/N 180 E degree  
Tie Linw spacing: 500 meters  
Tie Line direction: N 90 E/N 270 E degree  
Helicopter Mean terrain Clearance: 183 m  
Mean Ground Speed: 27 meters/sec  
MobileMT airborne system: towed at a mean dist.of 100 m  
below the helicopter  
Airborne magnetometer bird: towed at a mean dist.of 80 m  
below the helicopter

**HELICOPTER SPECIFICATIONS:**

Helicopter Type: Astar B2  
Reg N: VH-ZST  
Helicopter Company: Tasmanian Helicopters Pty Ltd.

**AIRBORNE INSTRUMENTATION:**

Survey Type: Helicopter MobileMT Electromagnetic & Magnetic  
EGL PC-104 based Data Acquisition System  
EGL GPS Navigation Computer/Pilot Steering Indicator  
GPS Receivers (2): with Linx RXM-GNSS-TM GPS Engines  
GPS Receivers Location: One on the helicopter, one on mag bird  
Radar Altimeter: Smartmicro model UMRR-0A Radio Altimeter

**AIRBORNE ELECTROMAGNETIC SYSTEM:**

Electromagnetic system: EGL MobileMT  
Type of measurement: Total field by three orthogonal coils  
Digitizing rate: 2000 Hz  
Frequencies extracted (Hz): 56,71,89,112,141,178,224,282,355,  
4511,5683,7160,9022,11366,14321

Sampling Rate: 0.4 sec

**AIRBORNE MAGNETOMETER:**

Magnetometer: Geometrics G822A Cesium Magnetometer  
Magnetometer Sensitivity: 0.001 nT

Sampling Rate: 10 Hz

**GROUND INSTRUMENTATION:****MAGNETIC BASE STATION:**

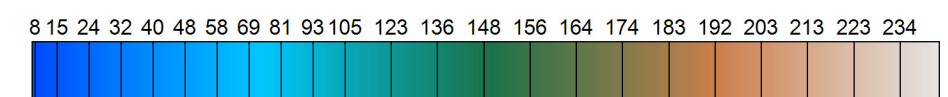
Magnetometer: GSM-19  
Base Station Location: Lat: -42.562967 Long: 145.4119817

**EM BASE STATION:**

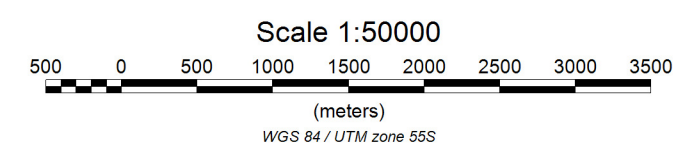
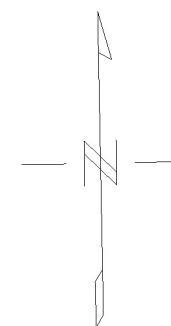
Two orthogonal pairs of grounded electrical lines  
Lines length: 60 metres each line  
Lines orientation: direction X – NS, Y – EW  
Base Station Location: Lat: Lat: -42.562967 Long: 145.4119817

**MAP PROJECTION:**

Datum: WGS84  
Projection: Universal Transverse Mercator  
Central Meridian: 147 degree E (Zone 55S)  
Central Scale Factor: 0.9996  
False Easting/Northing: 500,000m/0m



**DTM**  
m, ASL

**Accelerate Resources Limited****Mt Read Project  
Tasmania, Australia****EGL MobileMT system  
Digital Terrain Model**

flown 11-14 January, 2019  
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