



Gravity Data Acquired using Sander Geophysics  
**AIRGrav**  
 Airborne Inertially Referenced Gravimeter

Timmins Economic Development Corporation

## AIRGrav Timmins Test Survey

Terrain Corrected Bouguer Gravity (mgal)



Geology (based on Ontario Geological Survey (OGS) Map P-3379, Geological compilation of the Timmins area, Abitibi Greenstone Belt, J.A. Ayer and N.F. Trowel, scale 1:1,000,000.

Survey and Processing Specifications

Primary Line Spacing	.....	500 m
Primary Line Direction	.....	along bearing 90° - 270°
Control Line Spacing	.....	5000 m
Control Line Direction	.....	along bearing 0° - 180°
Aircraft Altitude	.....	400 m based altitude
Flying Speed	.....	180 kph (50 m/s)
Gravimeter Sensor	.....	Sander Geophysics AIRGrav
Gravimeter Sensitivity	.....	0.1 mgal
Gravimeter Sample Rate	.....	128 Hz
Aircraft Positioning	.....	Trimble Real-time Differential GPS
GPS Receiver	.....	NovAtel Millennium, 12 channel, dual frequency
Antenna	.....	Trimble Geotek GCR08, C-2500W
Density used for Bouguer and Terrain Corrections	.....	2.67 g/cm <sup>3</sup>
Gravity Data Spatial Filter	.....	0% Pass @ 2100 m, 100% Pass @ 4300 m, Mid-point 2650 m
Dates Flown	.....	May 16 - 18, 2003
Grid Cell Size	.....	250 m
Datum	.....	WGS84
UTM Zone	.....	17N