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The World's First Helicopter TDEM/Gravity/Mag Systems

SkyTEM and Sander Geophysics have teamed to offer combined deep looking MultiMoment® helicopter TEM systems with high resolution AIRGrav technology.

SkyTEM's recent R&D efforts have led to an increase of the dipole moment to over 1,000,000 NIA. This high powered system, SkyTEM516, is yet another breakthrough in SkyTEM's TDEM technology. The system was flown over the industry standard test site, Caber, in conjunction with Sanders' AIRGrav system to compare SkyTEM data with other transient EM systems and to demonstrate the added value of including high resolution airborne gravity data over complex mineral deposits. The case study utilizing the combined systems will be showcased at the Toronto PDAC in March 2015.

SkyTEM is the inventor of MultiMoment® TEM systems and holds a patent for this technology. All SkyTEM systems utilize MultiMoment® technology to deliver the combination of accurate high resolution maps of subtle variations in geology from the very near surface to depths of hundreds of meters. An array of systems is available with a diverse range of map products. Inversions are available within 24 hours of acquisition and the company is proud to offer raw data for critical analysis.

AIRGrav is Sander Geophysics' purpose built airborne gravimeter. This unique gravimeter is mounted on a three-axis inertially stabilized platform, combined with extremely accurate Differential GPS (DGPS) to correct for aircraft movement due to turbulence and aircraft vibrations. AIRGrav offers a number of advantages over competing systems, including: 1) significantly better resolution and accuracy; 2) ability to operate under normal daytime flying conditions; 3) ability to provide high quality gravity data while flying in drape mode; 4) significant operational efficiencies; and 5) shorter time required for data acquisition and processing.

This combination of cutting edge helicopter-borne technologies on a single cost effective platform offers economic solutions to all exploration sectors. High resolution EM and gravity data can now be collected concurrently, and surveys can be drape flown at low altitudes and at lower speeds than fixed wing aircraft.

Uncover more geology – from top to bottom.

For more information contact:

SkyTEM

Gary Tipper
Tel: +1-604-353-1421
Email: gti@skytem.com

Bill Brown
Tel: +1-519-502-1436
Email: bb@skytem.com

www.skytem.com

Sander Geophysics

Malcolm Argyle
Tel: +1-613-521-9626
Email: surveys@sgl.com

www.sgl.com