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Pierre / Circe,

I just wanted to provide you with some feedback on the GDD IP/resistivity system we recently used on a geophysical campaign in an extremely difficult geological environment in the United States. The expected target IP response is relatively weak, 10 to 20 msec and the contact resistance severely limits current injected into ground. Historically IP has failed to provide useful information with older 1 kW and 4 kW systems attempting to transmit into sandy cover units. We used two (2) 5kW GDD TX II transmitters in series (master-slave mode) and were able to get significant current into the ground (.5 to 4 amps) depending on the individual site conditions. Utilizing the stacking capabilities of the GRx8-24 IP receiver we were able to pull very subtle IP anomalies out of noise. The anomalies proved to be geologically significant and the geologists were extremely happy with the results.

Overall, the GDD IP system is an ideal tool for multi array and non-conventional IP surveys. With the ever increasing demand for new and varied survey layout and design, the flexibility of the GDD is one of its greatest strengths as an off the shelf system. Allowing in-field editing of station location to vary dipole position and length allows the widest collection of valid data points at any given location. The easy to use handheld computer with straight forward menu design allows complete data QC capabilities in-field, and the addition of the real-time pseudosection option enhances this experience.

The ability to master/slave the GDD transmitter systems is a great advantage in difficult terrain where maximum power is essential, providing a simple and straight forward solution. These transmitters with their compact design and ability to connect directly to locally sourced power supplies makes working and importing into remote regions far more practical than ever before.

Additional work is planned and we plan to use GDD's IP/resistivity system once again because the of the very encouraging results of the initial survey.

Regards,



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