

Geometrics Knowledgebase

Training Course Agenda for Stratagem EH4 – Three Day Course

AA. The purpose of the training is as instruction in the theory of MT operation, how to set up the Stratagem EH4, run the survey, troubleshoot any potential field problems, collect and download data, and create depth sections as the result. The instructor will not be in a survey mode to try to get as many soundings as possible since the class will be on each station considerably longer in a teaching mode than in a production mode. The day-to-day schedule is as follows:

Day 1:

Day 1 morning in classroom for MT and CSAMT theory, and Stratagem field operation with special emphasis on the Stratagem EH4 hybrid source (natural field and controlled source) data acquisition. The instructor will require a classroom and a black board with chalk or a white board with markers.

Day 1 afternoon at a field site for practice in equipment deployment, field software operation, and data collection

Day 2

Day 2 morning in classroom for downloading data, discussion of software and file structure for time series, cross power, and impedance files. Practice with IMAGEM software for editing, 1-D sounding processing, and 2-D depth sections. The instructor will again require a classroom with the white board and markers.

Day 2 afternoon partly in classroom finishing with software and processing and use of PLOT2D contouring software. If time allows, we will go back to the field for additional data collection or spend the time catching up on issues that came up during the past two days.

Day 3:

Day 3 morning and afternoon: This will be the day for the participants to perform a full survey on their own. They will set up the equipment, run several stations in a continuous profile, download the data, edit and process the data, and create 2D depth sections to be contoured in PLOT2D. The instructor will be available as an advisor but the students will design and run the survey.

BB. The best field site would be 200 to 400 meters long and be 300 meters away from high-tension power lines (or 100 meters away from standard 220V household current power lines). It should be away from electrified animal fences or other high power noise sources. It should also be

<http://support.geometrics.com/kb/questions.php?questionid=27>