

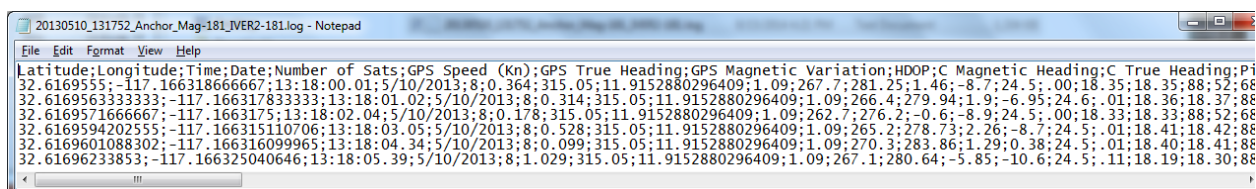


Handling AUV Magnetometer Data From an OceanServer Vehicle

By Harold Orlinsky

An update to the MagEdit program allows users to directly load in OceanServer AUV Log files for processing of magnetometer data. This eliminates the need for any conversion to the HYPACK EDT file that is normally loaded into the program. The program parser is intuitive, and read the header of the data file for the correct parsing fields. (The AUV log is not always the same depending upon the payload on the AUV.)

FIGURE 1. An Example of the Data File:



The file itself is called a LOG file, though it is not the same as the HYPACK LOG file. In the file selection of MagEdit, there is a separate File of Type selection to handle these types of files called "AUV Log". Once this file is selected, the MagEdit program handles the data fine.

FIGURE 2. L

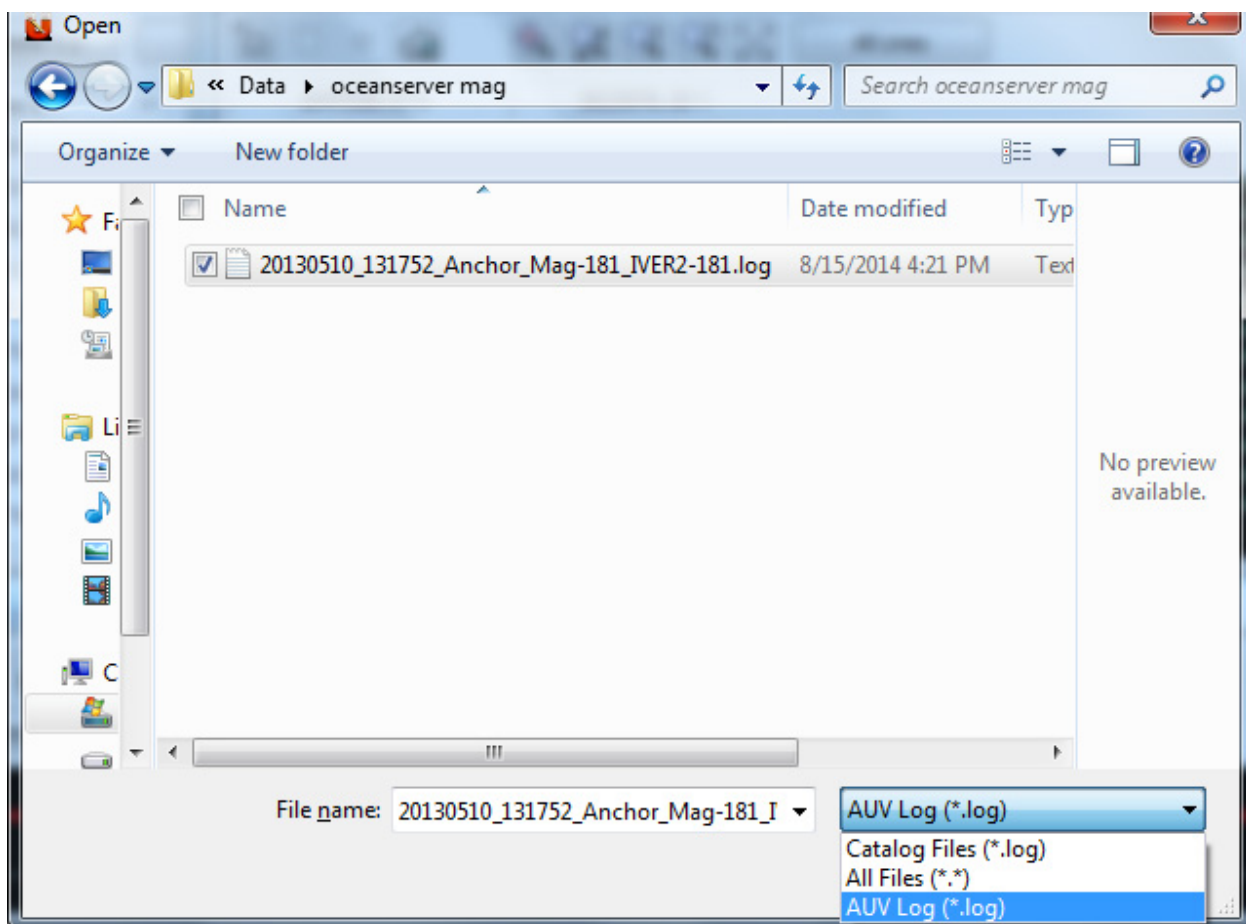
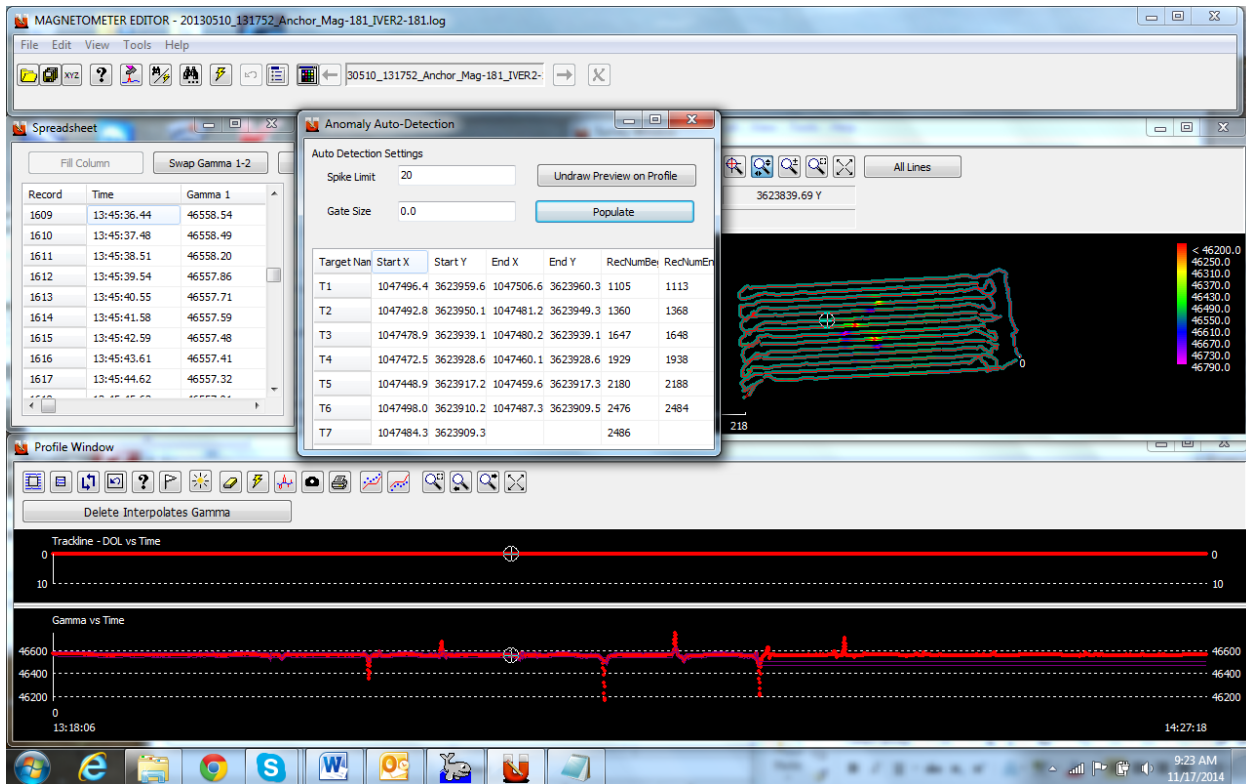


FIGURE 3. Data in MagEdit, Shown with the Anomaly Auto-Detection Window.



Tools in MagEdit for targeting (F5) and exporting to XYZ can all be used with this data set.