MGL1407 Daily Magnetics Plots
G-882 (SN 882462)
August 26- September 11, 2014 (Julian Days 234-254)

The following pages show the daily magnetics plots done as part of the daily quality control. One day (UTC time) is shown per page, with annotation.

| Panel 1 (Top) | Shows the smoothed G-882 total magnetic counts (purple) plotted with the matching World Data Magnetic Anomaly Map profile (red). 
NOTE: Magnetics data collection did not start until Jday 234 |
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<tbody>
<tr>
<td>Panel 2 (Middle)</td>
<td>Shows the bathymetry measured aboard <em>Langseth</em> (dark brown line) using the EM122. Bathymetry is plotted as 1-minute averaged data.</td>
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<td>Panel 3 (Bottom)</td>
<td>Shows the Signal Level (magenta)</td>
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Trial Deployment on continental shelf: magnetometer towpoint set at 220 m. Downward spike at 1600 z is G-882 being retrieved without being powered down first. Seismic deployment started at 1600. ECMA – East Coast Magnetic Anomaly
Line MCS01 started at 14:07, G-882 deployed at 12:30.  
At East Coast Magnetic Anomaly, proceeding down margin.
Line MCS01 continues.
Line MCS01 ends at 01:29 z; Line MCS02 from 01:36-14:49 z; Line MCS03 starts at 14:53 z.

Blake Spur Magnetic Anomaly – 00:00 z; large magnetic anomaly – 12:00 z – 16:00 z on GIS map.
Line MCS03 ends 2:52 z; Line MCS06 02:59 z -22:00 z. G-882 retrieved at 22:00 z to begin recovering gear before transit to avoid tropical storm Cristobal.
G-882 redeployed at 07:00 z after all seismic equipment is recovered.
Langseth steaming northwest to avoid hurricane Cristobal.
G-882 calibration loop was run; 10:49 z first loop complete; 11:06 z second loop complete; 11:23 z third loop complete.
02:55 z - G-882 is pulled for seismic equipment deployment. Line MCS03A collected from 12:11 z-14:37 z. G-882 retrieved for medical evacuation.
No data collection early part of day 242 due to medical evacuation. Seismic data collection resumed on day 243 at 11:15 z at start of Line MCS03B.
Line MCS03B ends at 3:30 z; Line MCS07 starts at 3:35 z.
Line MCS07 ends at 22:02 z. Line MCS08 started at 22:08 z.
Line MCS08 ends at 04:01 z. Line MCS06A started at 4:03 z.
Line MCS 09 ends at 02:05 z. Line MCS10A starts at 02:18 z, ends at 16:49 z. Line MCS10B starts at 16:54 z.
Line MCS12B ends at 2:22 z.  Line MCS13 starts at 2:27 z, ends at 17:30 z.  Line MCS14 starts at 17:37 z.
Line MCS14 ends at 14:48 z. Line MCS15 starts at 14:52 z. BSMA – Blake Spur Magnetic Anomaly
Line MCS15 ends at 17:00 z. Line MCS16 starts at 17:04 z and ends at 19:53 z. G-882 recovered after MCS16. 
ECMA – East Coast Magnetic Anomaly