

STEREO MOC Status Report  
Time Period: 2012:170 - 2012:176

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:
  - On day 170, during the DSS-65 support, turbo decoder lock was lost intermittently from 0619z through 0624z. This anomaly resulted in the loss of 17 frames of SSR data. See DR# N108179 for more information.
  - On day 171, during the DSS-26 support, the antenna could be pointed as the antenna brake could not be released for the entire track (1145-1445z). The SSR pointers were repositioned and all SSR data was received. See DR# G112874 for more information.
  - On day 172, during the DSS-65 support, monitor data was lost from 0513z to 0515z due to a reset of the router at the Madrid complex. All SSR data was received. See DR# N108180 for more information.
  - On day 174, during the DSS-63 support, turbo decoder lock was lost intermittently at 0514z. This anomaly resulted in the loss of three frames of SSR data. See DR# N108191 for more information.
  - On day 174, during the DSS-43 support, the primary DCD was inadvertently powered down at 2109z. It was powered on and placed on-line again at 2113z. All SSR data was subsequently recovered. See DR# N108194 for more information.
  - On day 176, during the DSS-24 support, the primary telemetry processor did not lock to the downlink at BOT at 1140z. A backup telemetry processor was placed on-line and telemetry lock occurred at 1146z. At 1226z, the turbo decoder lost lock briefly. At 1514z, the uplink was lost when the transmitter tripped off-line. The support remained downlink only for the 2.3 hour remainder. These anomalies resulted in the loss of 136 minutes of commanding and two-way tracking data and 274 frames of SSR data. See DR# G112890 and G112891 for more information.

2. The following spacecraft/instrument events occurred during this week:

- The average daily SSR playback volume for Ahead was 4.6 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 172, the Flight Dynamics Facility notified the DSN that no tracking data had been received by FDF for the Behind spacecraft since DOY 169. The interruption was caused by a stale TDS query to the FDF. This process was terminated and restarted. All tracking data was recovered. See DR# N108183 for more information.
- On day 172, during the DSS-65 support, turbo decoder lock was lost intermittently from 1801z through 1920z. This anomaly resulted in the loss of 77 frames of SSR data. See DR# N108184 for more information.
- On day 173, during the DSS-65 support, turbo decoder lock was lost intermittently at 0831z, 0832z, and again at 0918z. This anomaly resulted in the loss of 38 frames of SSR data. See DR# N108185 for more information.
- On day 174, during the DSS-34 support, turbo decoder lock was lost intermittently at 0658z. This anomaly resulted in the loss of one frame of SSR data. See DR# N108189 for more information.
- On day 174, during the DSS-55 support, turbo decoder lock was lost intermittently at 1358z. This anomaly resulted in the loss of three frames of SSR data. See DR# N108190 for more information.

2. The following spacecraft/instrument events occurred during this week:

- The average daily SSR playback volume for Behind was 4.9 Gbits during this week.