

STEREO MOC Status Report
Time Period: 2010:270 - 2010:276

STEREO Ahead (STA) Status:

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

- On day 270, during the DSS 63 support, turbo decoder lock was lost briefly at 0514z due to an equipment anomaly at the station. This resulted in the loss of three frames of SECCHI SSR data. See DR# N106560 for more information.
- On day 272, before BOT of the DSS 63 support, real-time telemetry and monitor data were lost due to a network equipment anomaly at JPL. This resulted in the loss of 56 minutes of real-time telemetry, monitor, and command services. All SSR data was received.
- On day 275, before the start of the DSS 45 support, the transmitter was declared red. The support was moved to DSS 43 for its entirety. Subsequently, monitor data was lost for 89 minutes beginning at 1806z. All SSR data was recovered. See DR# N106584 for more information.
- On day 276, during the DSS 55 support, turbo decoder lock was lost briefly at 0827z. This resulted in the loss of one frame of SECCHI SSR data.
- On day 276, DSS 25 was declared red before the start of the support. The support was moved to DSS 15; however, the end of track was 10 minutes early. This resulted in the loss of approximately 30 minutes of instrument SSR data.

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

- The average daily SSR playback volume for Ahead was 6.5 Gbits during this week.

STEREO Behind (STB) Status:

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

- On day 270, during the DSS 54 support, the command bind aborted due to a network anomaly connecting JPL to the station at 1539z, 1652z, and 1844z. While the station maintained a 2-way link, SECCHI instrument commands were

transmitted 10 minutes later than their planned time. All SSR data was recovered.

- On day 271, during the DSS 54 support, the command bind aborted due to the loss of connectivity to the station at 1456z, 1459z, and 1531z. Later in the support, the turbo decoder lost lock for seven seconds at 1637z. This resulted in the loss of several minutes of instrument SSR data. A DR has been requested.
- On day 275, during the DSS 55 support, monitor data was lost for 59 minutes beginning at 1806z. All SSR data was recovered. See DR# N106585 for more information.
- On day 275, during the DSS 15 support, the antenna brakes were set upon the loss of commercial power at the Goldstone complex at 2350z. The station was switched to generator power and tracking services were re-established at 0114z. This resulted in the loss of approximately two hours of instrument SSR data. See DR# G110583 for more information.

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

- The average daily SSR playback volume for Behind was 4.7 Gbits during this week.