STEREO MOC Status Report
Time Period: 2011:059 - 2011:065

STEREO Ahead (STA) Status:

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

- On day 059, during the DSS 26 support, the transmitter tripped off-line at 1419z. The support continued with a downlink only. The transition from two-way to one-way communications resulted in the loss of several minutes of instrument SSR data. See DR# G111136 for more information.
- On day 060, PLASTIC partition began overwriting at 0647z through 0657z due to the lost downlink from snow last week on day 057 with DSS 25.
- On day 061, during the DSS 14 support, initial telemetry lock was three minutes late due to an antenna pointing anomaly. Telemetry lock occurred at 1313z. This resulted in the loss of three minutes of real-time data. All SSR data was received. See DR# G111146 for more information.
- On day 061, during the DSS 43 support, the turbo decoder lost lock intermittently from 2023z to 2025z. This resulted in the loss of 10 frames of SECCHI SSR data. See DR# N107197 for more information.
- On day 065, during the DSS 26 support, turbo decoder lost lock briefly from 1422z. This resulted in the loss of 165 frames of instrument SSR data. A DR has been requested.

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

- On day 060, DHS release 1.1.2 was loaded to C&DH RAM which added IMPACT APID 0x201 to the RT telemetry for downlink rates 240, 160, 120, and 96 kbps.
- On day 060, the playback of SECCHI SSR2, special event partition #20, was enabled at 1349z. To optimize downlink bandwidth, after playing back the recorded data, the playback was disabled at 063-1445z.
- On day 060, the star track reset at 20:20:27z due to a CPU error. Fault protection autonomously reconfigured and promoted the star track back to AAD mode at 20:20:39z. This was the second occurrence of the star track reset on the AHEAD observatory.
- The average daily SSR playback volume for Ahead was 5.1 Gbits during this week.

STEREO Behind (STB) Status:

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

- On day 059, during the DSS 63 support, turbo decoder lost lock briefly from 2024z. This resulted in the loss of four frames of instrument SSR data. See DR# N107194 for more information.
- On day 061, during the DSS 65 support, turbo decoder lost lock briefly from 1954z and again at 2015z. This resulted in the loss of three frames SSR data. See DR# N107193 for more information.
- On day 063, at the start of the DSS 65 support, telemetry lock was intermittent beginning at 1315z for the first 31 minutes of the track due to heavy snow. After the downlink signal stabilized, the SSR pointers were repositioned and all SSR data was received. See DR# M106206 for more information.
- On day 065, during the DSS 55 support, turbo decoder lost lock briefly from 1722z. This resulted in the loss of two frames of instrument SSR data. See DR# N107197 for more information.

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

- On day 059, the playback of SECCHI SSR2, special event partition #20, was enabled at 1745z. To optimize downlink bandwidth, after playing back the recorded data, the playback was disabled at 060-1936z.
- On day 061, DHS release 1.1.2 was loaded to C&DH RAM which added IMPACT APID 0x201 to the RT telemetry for downlink rates 240, 160, 120, and 96 kbps.
- The average daily SSR playback volume for Behind was 5.0 Gbits during this week.