

STEREO MOC Status Report
Time Period: 2009:019 - 2009:025

STEREO Ahead (STA) Status:

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

- On day 020, during the DSS 54 track, telemetry lock was intermittent beginning at 0407Z. This resulted in the loss of some small amount of SECCHI SSR data.
- On day 021, the DSS 45 transmitter was declared red. This resulted in the loss of all commanding and tracking data for the duration of the track. **This resulted in the loss of five hours of SECCHI SSR data.** See DR# C106783 for more information.

2. Ahead spacecraft performance continues to be very good with all subsystems performing nominally. The following spacecraft/instrument events occurred during this week:

- On day 021, the SWAVES instrument reset at 20:36:15Z. This was the 3rd reset of SWAVES on the Ahead spacecraft. The cause is being investigated by the instrument team.
- On day 022, the STEREO Prime Science mission was successfully completed and the Extended mission was begun.
- On day 023, the SECCHI instrument reset at 13:28:41Z. The SECCHI team reconfigured the instrument to operational mode at 024:08:05Z. This was the 8th reset of SECCHI on the Ahead spacecraft.
- The average daily SSR playback volume for Ahead was 6.3 Gbits during this week.

STEREO Behind (STB) Status:

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

- On day 019, the DSS 26 transmitter was declared red. Concurrently with the DSS 26 track, DSS 15 was added at 0200Z for an hour to provide required uplink support. All SSR data was recovered. See DR# G109183 for more information.

- On day 022, during the DSS 34 track, telemetry lock was intermittent beginning at 0833Z due to heavy rain. This resulted in the loss of some SSR data for all instruments. See DR# C106786 for more information.

2. Behind spacecraft performance continues to be very good with all subsystems performing nominally. The following spacecraft/instrument events occurred during this week:

- On day 021, the 13th momentum dump was successfully executed at 1900Z, which imparted a delta V of 0.0715 m/sec.
- On day 022, the STEREO Prime Science mission was successfully completed and the Extended mission was begun.
- The average daily SSR playback volume for Behind was 7.4 Gbits during this week.