

STEREO MOC Status Report
Time Period: 2007:288 - 2007:294

STEREO Ahead (STA) Status:

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

- SECCHI has been losing occasional packets in APIDs 440-444 on tracks with the DSS-24 where the turbo decoder is detecting bad frames. This problem appears to be isolated to DSS-24 at this time and the DSN is investigating.

2. Ahead spacecraft performance continues to be very good with all subsystems performing nominally. IMU 2 continues to be used nominally on the Ahead spacecraft. The following list summarizes the spacecraft/instrument events which occurred during this week:

- The average daily SSR playback volume for Ahead was 7.8 Gbits during this week.
- No special spacecraft/instrument events occurred during this week.

STEREO Behind (STB) Status:

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

- On day 288, during the track with DSS-55, the transmitter was "red" throughout the track with an over-temperature condition. DR-M104466 was written on this problem. Another track was scheduled with DSS-65 from 21:30Z-22:00Z to reset the partition 19 pointers and free up space on the SECCHI synoptic partition. Autonomy rule 237 fired at the end of the DSS-55 track and reset the pointers as if no playback occurred since no uplink signal was present. This problem resulted in the loss of about 8 hours of IMPACT data, 13 hours of PLASTIC data, and 53 minutes of SECCHI data. SWAVES most likely had data loss as well, but the SWAVES use of sequence numbers prevents this analysis on the SWAVES data.

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

- The average daily SSR playback volume for Behind was 7.7 Gbits during this week.
- No special spacecraft/instrument events occurred during this week.