SDO HMI Internal Weekly On-Orbit Report

Week of Monday, February 7, 2011 through Sunday, February 13, 2011

Summary

HMI successfully performed their weekly calibrations on Wednesday, February 9th (observation mode-1) and on Thursday, February 10th (flatfield calibration/observation mode-2, reduced focus sweep) using timed scripts. HMI continues to perform nominally.

The STEREO-SDO 360 degree view of the sun took place from Sunday-Tuesday with great success. The Spacecraft performed a Delta H Momentum Maneuver on Wednesday, February 9th. AIA and HMI performed nominally through both.

Calibrations

Calibration	Date/Time	Ran by	FSN	Notes
Flat field (observation mode-1)	09-Feb-11 19:04:40	Timed Script	17350686	Cals were run later than the usual dates and times in order to avoid interfering with STEREO observing and the Delta H Maneuver.
Flat field (observation mode - 2)	10-Feb-11 19:04:38	Timed Script	17396765	
Flat field (calibration mode)	10-Feb-11 19:13:38	Timed Script	17397053	
Reduced Focus Sweep	10Feb-11 19:29:22	Timed Script	17397556	

Loads

None

Thermal Adjustments

None

S/C Calibrations/Maneuvers

1. **Delta –H Maneuver**
   09-Feb-2011 19:36 – 19:51 UT
   The spacecraft performed a Delta-H Momentum Management Maneuver.

Additional Operations

None

Instrument Anomalies

None

Limit violations

None

Clock Adjustments

None

Date/Time (UT)	HMI WRT ground (ms)	Adjustment

Sequencer Changes

None

Date/Time of Change	New Sequence	Notes

Long term Trends

1. **Corrupt Image FSN 469769216 (0x1C001C000)**
   Occurrences this week: None
   Occurrences to date: 24

2. **Corrupt Image FSN 9175180 (0x008C008C)**
   Occurrences this week: None
   Occurrences to date: 2

Other

1. **Shelby Reboot**
   08-Feb-2011
   The ASIST Remote Viewer (Shelby) was down for scheduled maintenance from about 14:00 to 17:00 UT on February 8, 2011. Somewhat expectedly the Clock Drift WRT Ground plots stopped working because the spacecraft files were not being updated by Shelby. The clocks returned to normal after about 48 hours when the data gap was no longer within plotting range.