SDO HMI Internal Weekly On-Orbit Report

Week of Monday, June 20, 2011 through Sunday, June 26, 2011

Summary

HMI successfully performed its weekly calibrations on Tuesday, June 21st (obs-mode flatfield) and on Wednesday, June 22nd (detune, obs-mode flatfield, cal-mode flatfield, and reduced focus sweep), using timed scripts. There were two corrupt images this week (FSN=469769216) for an on-orbit total of 38. HMI is performing nominally.

Weekly Calibrations

Calibration	Date/Time	Script	Ran by	Notes
Flat field (observation mode-1)	21-Jun-11 18:42 UT	2701	Timed Script	
Detune	22-Jun-11 18:34 UT	2703	Timed Script	
Flat field (observation mode-1)	22-Jun-11 18: 42 UT	2701	Timed Script	
Flat field (calibration mode)	22-Jun-11 18:50 UT	2702	Timed Script	
Reduced focus sweep	22-Jun-11 18:58 UT	2704	Timed Script	

Loads

None

Thermal Adjustments

None

S/C Calibrations/Maneuvers

None

Additional Operations

1. **Monthly Diagnostic Data**
   23-Jun-2011 at 21:29:00 UTC
   Author: Emma

   I took 2 minutes of high-rate ISS diag data using hmi_iss_diag.src

Instrument Anomalies

None

Limit violations
None

Clock Adjustments
None

Long term Trends

1. **Corrupt Image FSN 469769216 (0x1C001C000)**
   Occurrences this week:
      1. 2011-06-22 @ 19:06:00 UT
      2. 2011-06-24 @ 05:02:48 UT
   Occurrences to date: 36

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

Other

2. **CVS Repository Split**
   This week, the split of the SDO CVS repository into two repositories (SDOCVS and SDOWWW) was completed. The new configuration was requested by LM Security, and leaves all of the SDO-sensitive information on SDOCVS, moving non-sensitive information to SDOWWW.