

SDO HMI Internal Weekly On-Orbit Report

Week of Monday, January 31, 2011 through Sunday, February 6, 2011

Summary

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

Calibrations

Calibration	Date/Time	Ran by	FSN	Notes
Flat field (observation mode-1)	01-Feb-11 19:04:40	Timed Script	17350686	
Flat field (observation mode - 2)	02-Feb-11 19:04:38	Timed Script	17396765	
Flat field (calibration mode)	02-Feb-11 19:13:38	Timed Script	17397053	
Detune	02-Feb-11 19:20:22	Timed Script	17397268	
Reduced Focus Sweep	02-Feb-11 19:29:22	Timed Script	17397556	

Loads

None

Thermal Adjustments

None

S/C Calibrations/Maneuvers

None

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:

1. No new occurrences

Occurrences to date: 24

2. Corrupt Image FSN 9175180 (0x008C008C)

Occurrences this week:

- No new occurrences

Occurrences to date: 2

Other**1. EGSE Limit Adjustments**

29 Jan 2011 0:55 GMT

Brett and Emma updated hmi_instr_limit.src to tighten the yellow limits on the CIF SDRAM errors as much as possible. This was following an HMI checklist meeting where we agreed that the CIF SDRAM question would be removed from the checklist if we tighten the limits so that if the error count for any buffer is not zero we will get an alert.

They also noticed an error in the limit file, where the camera gain and offset limits were +/- 1 from where they should have been, so those limits were tightened as well. All changes were tested on the testbed, and the limits file was updated and tagged for both HMI and AIA ON_ORBIT directories.

2. SDO Quarterly Security Scan

31-Jan-2011

The SDO Quarterly scan was completed successfully on all workstations. HMIIOC-MON was also rebooted because the replacement disk was installed as well.