

SDO HMI Internal Weekly On-Orbit Report

Week of Monday, December 20, 2010 through Sunday, December 26, 2010

Summary

HMI successfully performed their weekly calibrations on Tuesday, December 21st (flat field observation mode-1) and Wednesday, December 22nd (flat field calibration/observation mode-2, full focus sweep). There were several nominal clock adjustments made this week in preparation for the holiday break and no thermal adjustments.

The SUMS disk controllers problem at Stanford from last week was resolved and the images are playing catch up.

Calibrations

Calibration	Date/Time	Ran by	FSN
Flat field (observation mode-1)	21-Dec-10 19:04:42	Timed Script	15417226
Flat field (observation mode - 2)	22-Dec-10 19:04:40	Timed Script	15463305
Flat field (calibration mode)	22-Dec-10 19:13:40	Timed Script	15463593
Focus Sweep (full)	22-Dec-10 19:20:23	Timed Script	15463593

Additional Operations

None

Instrument Anomalies

None

Limit violations

None

Clock Information

Date/Time (UT)	HMI WRT ground (ms)	Adjustment
12/20/10 @ 19:03	+2	HMI from 0x800275 to 0x800274
12/21/10 @ 19:11	-6	HMI from 0x800274 to 0x800273

12/22/10 @ 18:16	-24	HMI from 0x800273 to 0x800275
12/23/10 @ 18:53	-25	HMI from 0x800275 to 0x800277
12/23/10 @ 19:24	-24	HMI from 0x800277 to 0x800279
12/23/10 @ 20:08	-24	HMI from 0x800279 to 0x800275

Thermal Adjustments

None

Sequencer Changes

None

Date/Time of Change	New Sequence	Notes

S/C Calibrations/Maneuvers

None

Pointing Adjustments

None

Long term Trends**1. Corrupt Image FSN 469769216 (0x1C001C000)**

Occurrences this week:

1. No new Occurrences

Occurrences to date: 19

1. Corrupt Image FSN 9175180 (0x008C008C)

Occurrences this week:

1. No new occurrences

Occurrences to date: 3

Loads

None

Other**1. EGSE Updates**

20 Dec 2010 23:30 GMT

Roger Chevalier

Applied parameter change to the new JAVA event viewer preferences file. New events will be read from the history file and displayed on the event viewer every second instead of every 100 milliseconds.

The JSOC machines have been updated, all old event viewer have been exited and new event viewers have been brought up. A new icon saying "New Event Viewer" is on the desktop.

All Stanford machines have been updated with the parameter change and the new desktop icon. Old event viewers need to be exited and the new one started.

All MOC machines have been updated with the parameter change and the new desktop icon. Old event viewers need to be exited and the new one started.

2. SUMS Disk Controllers Problem Resolved

The SUMS disk was restarted around 5:00 pm PST on 12/26/10, and the images on watch lev0 continued to catch up over the course of the week.