

## SDO HMI Internal Weekly On-Orbit Report

**Week of Monday, November 22, 2010 through Sunday, November 28, 2010**

### Summary

HMI successfully performed their weekly calibrations on Tuesday, November 23<sup>rd</sup> (flatfield observation mode-1) and Wednesday, November 24<sup>th</sup> (flatfield observation mode-2, focus sweep, detune). A leg alignment adjustment was also made on Tuesday. The flatfields were split by 24 hours to have a better flatfield by viewing different active regions. There was one nominal clock adjustment made on Wednesday and no thermal adjustments made this week. There was also a corrupt image seen on Wednesday making an on-orbit mission total of 17 of that version. HMI continues to perform nominally.

### Calibrations

Calibration	Date/Time	Ran by	Notes
Flat field (observation mode-1)	23-November-2010 18:47 UT	Emma & Zoe	FSN 14126411
Leg Alignment	24-Nov-2010 18:05 UT	Emma & Zoe	FSN 14171182 AL1=62, AL2=46
Flat field (observation mode - 2)	24-November-2010 18:08 UT	Emma & Zoe	FSN 14171265
Flat field (calibration mode)	24-November-2010 18:13 UT	Emma & Zoe	FSN 14171414
Detune	24-November-2010 18:19 UT	Emma & Zoe	FSN 14171625
Focus Sweep (reduced)	24-November-2010 18:29 UT	Emma & Zoe	FSN 14171920

### Additional Operations

None

### Instrument Anomalies

None

### Limit violations

None

### Clock Information

Date/Time (UT)	HMI WRT S/C (ms)	S/C WRT ground (ms)	HMI WRT ground	Adjustment
11/22/10 @ 14:00	+0.5	0	+0.5	SC reset to 0
11/23/10 @ 12:30	-0.75	0	-0.75	SC reset to 0
11/24/10 @ 18:33	-6.5	-6.3	12.8	Increased increment from 0x800274 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. 2010-11-24 @ 22:27:25

Occurrences to date: 17

**2. Corrupt Image FSN 9175180 (0x008C008C)**

Occurrences this week:

1. No new occurrences

Occurrences to date: 3

**Loads**

None

**Other****1. ANS Info page loading error**

November 27, 2010

The ANS alert page was not loading on either Health and Safety website between about 18:00 and 21:00 UT. It was loading again by 21:50 UT. The ANS server did not go down; only the website experienced problems. This was caused by a move of web3 over to a new physical network.