

**SDO HMI Weekly Report**  
**Week of Monday, May 31, 2010 through Sunday, June 6, 2010**

Weekly Calibration Results

Thursday June 3, 2010 @ 10 am PST

- 1) Flat Field in Observation Mode (FTS 3001) at 17:21 UT FSN 6165868
- 2) Flat Field in Calibration Mode (FTS 3002) at 17:26 UT FSN 6166013
- 3) Focus Sweep (FST 3003) 17:30 UT FSN 6166156
- 4) Detune (FTS 3007) at 17:37:01 UT FSN 6166372
- 5) 2<sup>nd</sup> Flat Field in Observation Mode (FTS 3001) 17:41 UT FSN 6166517

PZT Flatfields

No addition PZT flat fields performed outside of the weekly Calibration

Anomalies?

None

Limit violations?

None

Clock Adjustments

| Date/Time of Adjust    | S/C Time Offset | Inst Clock Time                         | Increment Rate               |
|------------------------|-----------------|---|------------------------------|
| June 1, 2010 @17:51 UT | +1.6 ms         | 6 ms slow wrt SC<br>7 ms slow wrt G     | From 0x800270<br>to 0x800271 |
| June 2, 2010 @17:53 UT | +2.8 ms<br>slow | 4.7 ms fast wrt SC<br>1.9 ms fast wrt G | from 0x800271<br>to 0x800270 |
| June 7, 2010 @17:53 UT | +6 ms slow      | 5 ms fast wrt SC<br>11 ms fast wrt G    | No Change                    |

Thermal Adjustments

None

Sequencer Changes

None: HMI continues to run FTS 1001 at priority 7 and 2001 at priority 5

| Date/Time of Change | New Sequence | Notes |
|---------------------|--------------|-------|
| NA                  |              |       |

S/C Calibrations/Maneuvers

None

Pointing Adjustments

- 1) Alignment leg adjustment June 3 prior to weekly calibration  
AL1 was adjusted from 68 to 67

AL2 was adjusted from 54 to 54  
Approximate FSN: 6165700

Long term Trends

Corrupt Image FSN 469769216 (**0x1C001C000**) occurrence(s):

1) Qty (1) 2010 June 6<sup>th</sup>, 12:03:35UT

Loads

None