

**SDO HMI Weekly Report**  
**Week of Monday, May 17, 2010 through Sunday, May 23, 2010**

Weekly Calibration Results

Thursdays @ 10 am PST

- 1) Flat Field in Observation Mode (FTS 3001) at 17:14UT FSN 5220533
- 2) Flat Field in Calibration Mode (FTS 3002) at 17:19UT FSN 5220679
- 3) Detune (FTS 3007) at 17:23:40UT FSN 5520820
- 4) Focus Sweep (FST 3003) 17:28UT FSN 5520964
- 5) 2<sup>nd</sup> Flat Field in Observation Mode (FTS 3001) 17:37UT FSN 5221255

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
May 17, 2010 @16:28UT	4 ms slow	46.5 ms slow wrt SC 50.5 ms slow wrt G	from 0x80026F to 0x800271
May 18, 2010 @19:03UT	9 ms slow	42.5 ms slow wrt SC 51.5 ms slow wrt G	from 0x800271 to 0x800274
May 19, 2010 @7:05UT	8 ms slow	7.5 ms slow wrt SC 15.5 ms slow wrt G	from 0x800274 to 0x800273
May 20, 2010 @17:32UT	10 ms slow	12 ms fast wrt SC 2 ms fast wrt G	from 0x800273 to 0x800271
May 21, 2010 @17:01UT	12 ms slow	14 ms fast wrt SC 2 ms fast wrt G	No Change
May 24, 2010 @11:01UT	0 ms	4 ms fast wrt SC 4 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

May 19, 2010 17:52UT- 18:06UT: Delta H maneuver

Pointing Adjustments

Alignment legs were adjusted on May 20 before the weekly calibration.

AL1 was adjusted from 67 to 68

AL2 was adjusted from 52 to 54

Long term Trends

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

1) @ 2010-05-18 21:04:45

Loads

Scripts 8999 and 9000 were loaded on May 18<sup>th</sup>