

SDO HMI Weekly Report
Week of Monday, July 26, 2010 through Sunday, August 1, 2010
Z. Frank

Weekly Calibration Results

- Wednesday July 28, 2010 @ 12:45 pm PST
- 1) Obs mode flat field, FTS 3001, 19:13:49 UT, FSN 8701241
 - 2) Cal mode flat field, FTS 3002, 19:18:16 UT, FSN 8701384
 - 3) Focus sweep, FTS 3000, 19:41:00 UT, FSN 8702176
(Reduced version, focus 8-14)
 - 4) Obs mode flat field (2), FTS 3001, 19:47:33 UT, FSN 8702321
 - 5) Clock adjust, decrease from 0x800271 to 0x800270, 19:54:06 UT

Additional Operations

ISS ddiagnostic data (2 sets) at 7/30 18:40 UT (during increased jitter period)

PZT Flatfields

None

Anomalies?

- 7/29/10 @ ~18:00 UT: Increased jitter (PZT noise) was noted in both HMI and AIA.
 8/1/10 @ ~00:00 UT: PZTs returned to nominal values

Limit violations?

None

Clock Information

Date/Time	S/C Time Offset +slow	HMI wrt S/C +fast	HMI wrt GND	S/C or Inst. Adustment?
7/26/20 @00:00 UT	-3.0 ms fast	-6.3 ms slow	3.3 ms slow	No change
7/27/10 @00:00 UT	-7.0 ms fast	-1.0 ms slow	6.0 ms fast	No change
7/28/10 @00:00 UT	-5.0 ms fast	+9.0ms fast	14.5 ms fast	No change
7/28/10 @19:54 UT	-9.5 ms fast	+19.45 fast	28.95 ms fast	HMI from 0x800271 to 0x800270
7/30/10 @00:00 UT	0 ms	+19.75 ms fast	19.75 fast	No change
7/31/10 @00:00 UT	+1.3 ms slow	+19.83 ms fast	18.53 ms fast	No change
8/1/10 @00:00 UT	-1.0 ms fast	+16.9 ms fast	17.9 ms fast	No change

Thermal Adjustments

None

Sequencer Changes

None

Date/Time of Change	New Sequence	Notes
NA		

S/C Calibrations/Maneuvers

None

Pointing Adjustments

None

Long term Trends

Corrupt Image FSN 469769216 (**0x1C001C000**) occurrences (this week / mission to date):

- 1) 2/8 (images at 2010.07.28 @ 20:17:51 UT and 2010.08.01 @ 00:59:06 UT)

Loads

None