SDO HMI Weekly Report
Week of Monday, July 12, 2010 through Sunday, July 18, 2010
Z. Frank

Weekly Calibration Results
        Tuesday July 13, 2010 @ 12:00 pm PST
1) Obs mode flat field, FTS 3001, 19:04:47 UT, FSN 8012378
2) Cal mode flat field, FTS 3002, 19:09:15 UT, FSN 8012523
3) Focus sweep, FTS 3003, 19:13:47 UT, FSN 8012668
4) Obs mode flat field (2), FTS 3001, 19:20:31 UT, FSN 8012884
5) Detune, FTS 3007, 19:29:31 UT, FSN 8013172

Additional Operations
        Tested new scripts loaded on 7/13 at ~21:00 UT

        7/14: EVE Cruciform began at 12:57UT with the start of off point INC. Script 7001 executed properly. FTS 4010 active and LED is ON at 13:00:25UT. LED is scheduled to remain on for the duration of the calibration expected to end at 21:54UT

PZT Flatfields
        7/15: HMI flat fields taken during EVE offpoint.
        HMI flat field maneuver began as expected at 15:27UT
        HMI flat field maneuver completed as expected at 18:12UT, Standard sequence resumed at 18:17UT

Anomalies?
        None

Limit violations?
        None for HMI

Clock Information

Date/Time	S/C Time Offset	Inst Clock Time	S/C or Inst. Adustment?
July 12, 2010 @00:00 UT	-24.4 ms fast	-20.9 ms slow wrt SC 3.5 ms fast wrt G	No change
July 13, 2010 @00:00 UT	-26.0 ms fast	-25.5 ms slow wrt SC 0.5 ms fast wrt G	No change
July 14, 2010 @12:15 UT	-0 ms fast	-1.0 ms slow wrt SC 1.0 ms slow wrt G	No change
July 15, 2010 @00:00 UT	-5.3 ms fast	-8.0 ms slow wrt SC 2.7 ms slow wrt G	No change
July 16, 2010 @00:00 UT	-12.0 ms fast	-13.9 ms slow wrt SC 1.9 ms slow wrt G	No change
July 17, 2010 @00:00 UT	-1.0 ms fast	-3.25 slow wrt SC	No change

		2.25 slow wrt G	
July 18, 2010 @00:00 UT	+1.5 ms slow	-3.7 slow wrt SC 5.2 ms slow wrt G	No change

Thermal Adjustments
None

Sequencer Changes
Test and offpoint procedures aside, 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
None

Long term Trends
Corrupt Image FSN 469769216 (**0x1C001C000**) occurrences (this week / mission to date):
1) 0/5

Loads
7/13/2010 ~20:00 UT
New versions Script 7001, 7002, 7003, 9060 for the EVE CRUC, EVE FOV and Flat Field
New version of safehold scripts 9051,9052,9054.