

## SDO HMI Weekly Report

Week of Monday, August 16, 2010 through Sunday, August 22, 2010

Z. Frank

### Weekly Calibration Results

Wednesday August 18, 2010 @ 11:30 am PST

- 1) Obs mode flat field, FTS 3001, 19:40:45 UT, FSN 9669603
  - 2) Cal mode flat field, FTS 3002, 19:45:18 UT, FSN 9669748
  - 3) Full focus sweep, FTS 3003, 19:49:46 UT, FSN 9669891
  - 4) Detune, FTS 3007, 19:56:34 UT, FSN 9670109
  - 5) Obs mode flat field (2), FTS 3001, 20:07:47 UT, FSN 9670467
  - 6) Operational heater adjustment  
Zone 1, duty cycle 22%, duration 37, 20:12:18 UT  
Zone 1, control limits: low 27, target 28, high 29, 20:19:22 UT  
Zone 2, duty cycle 4%, duration 26, 20:14:50 UT  
Zone 2, control limits: low 27, target 28, high 29, 20:20:21 UT  
Zone 3, duty cycle 19%, duration 26, 20:16:12 UT  
Zone 3, control limits: low 27, target 28, high 29, 20:21:19 UT
  - 7) Detune (2), FTS 3007, 20:39:16 UT, FSN 9671476
  - 8) Full focus sweep, FTS 3003, 20:48:16 UT, FSN 9671764
- No clock adjustment, no leg alignment.

### Additional Operations

None

### Anomalies?

None

### 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?
8/16/10 @00:00 UT	-22.0 ms fast	-30.3 ms slow	8.3 ms slow	No change
8/17/10 @00:00 UT	-21.0ms fast	-30.0 ms slow	9.0 ms slow	No change
8/18/10 @00:00 UT	-15.0 ms fast	-24.2 ms slow	9.2 ms slow	No change
8/19/10 @00:00 UT	0.0 ms	-12.2 ms slow	12.2 ms slow	S/C reset to 0
8/20/10 @04:00 UT	0.0 ms	-12.8 ms slow	12.8 ms slow	No change
8/21/10 @00:00 UT	+1.5 ms slow	-17.3 ms slow	18.8 ms slow	No change
8/22/10 @00:00 UT	+6.0 ms slow	-18.3 ms slow	24.35 ms slow	No change

### Thermal Adjustments

Zone 1, duty cycle 22%, duration 37, 20:12:18 UT  
Zone 1, control limits: low 27, target 28, high 29, 20:19:22 UT  
Zone 2, duty cycle 4%, duration 26, 20:14:50 UT

Zone 2, control limits: low 27, target 28, high 29, 20:20:21 UT  
Zone 3, duty cycle 19%, duration 26, 20:16:12 UT  
Zone 3, control limits: low 27, target 28, high 29, 20:21:19 UT

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) 0/9 (no corrupt images this week)

Loads

None