HMI Weekly Report Summaries: February 2011

Week of Monday, February 7, 2011 through Sunday, February 13, 2011

HMI successfully performed their weekly calibrations on Wednesday, February 9th (observation mode-1) and on Thursday, February 10th (flatfield calibration/observation mode-2, reduced focus sweep) using timed scripts. HMI continues to perform nominally.

The STEREO-SDO 360 degree view of the sun took place from Sunday-Tuesday with great success. The Spacecraft performed a Delta H Momentum Maneuver on Wednesday, February 9th. AIA and HMI performed nominally through both.

Week of Monday, February 14, 2011 through Sunday, February 20, 2011

HMI successfully performed their weekly calibrations on Wednesday, February 15th (observation mode-1) and on Thursday, February 16th (detune, flatfield calibration/observation mode-2, reduced focus sweep) using timed scripts. There was one occurrence of the FSN 469769216 type corrupt images (on-orbit total of 25). HMI continues to perform nominally.

Week of Monday, February 21, 2011 through Sunday, February 27, 2011

HMI successfully performed their weekly calibrations on Tuesday, February 22nd (flatfield observation mode-1) and on Wednesday, February 23rd (flatfield calibration/observation mode-2, reduced focus sweep) using timed scripts. On Monday, heater zone 3 was switched from monitoring on TS05 to monitor on TS06. A bug in the heater control STOL caused the heater to cycle twice when we reset the deadbands to center on the TS06 temperature. The bug has since been fixed, and heater zone 3 is behaving nominally. HMI saw 2 corrupt images of the type FSN469769216 this week (on-orbit total of 27). HMI continues to perform nominally.

Week of Monday, February 28, 2011 through Sunday, March 6, 2011

HMI successfully performed their weekly calibrations on Tuesday, March 1st (flatfield observation mode-1) and on Wednesday, March 2nd (flatfield calibration/observation mode-2, reduced focus sweep, detune) using timed scripts. There were a few script loads in preparation for the lunar transit on March 4, during which HMI adjusted its deadband duty cycles but performed no other special operations. HMI continues to perform nominally.

A reaction wheel crossing with RW1 caused significant noise in the AIA ISS Y error signals and HMI PZT voltage signals between about 12:00 and 21:00 UT on 28-Feb-2011. Both signals have now returned to nominal ranges.