

HMI Weekly Report Summaries: December 2010

Week of Monday, December 6, 2010 through Sunday, December 12, 2010

HMI successfully performed their weekly calibrations on Tuesday, December 7th (flatfield observation mode-1) and Wednesday, December 8th (flatfield calibration/observation mode-2, focus sweep, detune). There were two nominal clock adjustments made this week and no thermal adjustments. There was also a corrupt image seen on Tuesday making an on-orbit mission total of 19 of that version. The HMI team has been working on a retune and testing was successfully completed on Friday, December 10th on the testbed – new tables were loaded with new wavelength values, and a new default frame list with new settings. The actual instrument retune will be conducted early next week. HMI continues to perform nominally.

There was a GT/PZT Monthly Calibration on Thursday, December 9th. HMI both performed nominally.

Week of Monday, December 13, 2010 through Sunday, December 19, 2010

HMI successfully performed their weekly calibrations on Tuesday, December 14th (flatfield observation mode-1) and Wednesday, December 15th (flatfield calibration/observation mode-2, focus sweep). A detune was performed on Thursday, December 16th. There were two nominal clock adjustments made this week and on Friday, all 7 heater zone limits and duty cycles were adjusted. Following last week's successful retune testing, the new default frame lists and wavelengths tables were activated on Monday. HMI continues to perform nominally.

On Wednesday, December 15th, telemetry went stale on the JSOC-SDP workstations around 22:26 UT due to an outage in the OC3 line carrying science (and housekeeping) data from White Sands to Stanford. The HMI and AIA SDP workstations were reconnected for telemetry at 06:50 UT late Wednesday evening.

On Saturday, December 18th, SUMS Disk Controllers Problems, at the JSOC-SDP one of the disk controllers in the primary SUMS file system failed around 11:30 pm PT. This caused the Watch Lev 0 site to go down. A temporary hourly cron job was created to provide access to current images. The problem persisted as of 15:30 PT on Monday, December 20th, but a fix is expected in the next few days.

Week of Monday, December 20, 2010 through Sunday, December 26, 2010

HMI successfully performed their weekly calibrations on Tuesday, December 21st (flat field observation mode-1) and Wednesday, December 22nd (flat field calibration/observation mode-2, full focus sweep). There were several nominal clock adjustments made this week in preparation for the holiday break and no thermal adjustments.

The SUMS disk controllers problem at Stanford from last week was resolved and the images are playing catch up.

Week of Monday, December 27, 2010 through Sunday, January 2, 2010

HMI successfully performed their weekly calibrations on Tuesday, December 28th (flatfield calibration/observation mode, reduced focus sweep) using timed scripts. There were two nominal clock adjustments made this week and no thermal adjustments.

The images on watch lev0 caught up around New Years Day, January 1, 2011.