

## **HMI Weekly Report Summaries: October 2010**

### **Week of Monday, October 4, 2010 to Sunday, October 10, 2010**

HMI successfully performed their weekly calibrations on Wednesday, October 6<sup>th</sup> (flatfields, focus sweep). There were several clock adjustments made this week due to the S/C having clock drift issues after the S/C battery voltage change Friday morning. HMI adjusted their heaters to their nominal levels after the battery voltage decrease. HMI continued to behave nominally during eclipses with no issues seen. A few more script adjustments were made for during eclipse before the season ended on Wednesday.

### **Week of Monday, October 11, 2010 through Sunday, October 17, 2010**

HMI successfully performed their weekly calibrations on Wednesday, October 13<sup>th</sup> (flatfields, focus sweep, detune), including a leg alignment this week. There were several nominal clock adjustments made throughout the week. HMI adjusted heater zone 3 on Wednesday. New scripts were loaded on Friday for next week's S/C calibration/maneuvers. There was one corrupt image seen on Saturday for HMI making a total of 12 corrupt images seen on-orbit (out of roughly 9.5 million images total).

The HMI Roll Maneuver occurred on Tuesday, October 12<sup>th</sup> at 18 UT. AIA and HMI performed nominally. Thorough data analysis of the results will take place over the next few weeks.

### **Week of Monday, October 18, 2010 to Sunday, October 24, 2010**

HMI successfully performed their weekly calibrations on Wednesday, October 20<sup>th</sup> (flatfields, focus sweep), including a leg alignment this week. There was one nominal clock adjustment made on Wednesday and one heater zone adjustment. HMI continues to perform nominally.

### **Week of Monday, October 25, 2010 through Sunday, October 31, 2010**

HMI successfully performed their weekly calibrations on Wednesday, October 27<sup>th</sup> (flatfields, focus sweep, detune), including a leg alignment this week. There was two nominal clock adjustments made on Tuesday and Friday and one heater zone adjustment made on Friday. Script loads were made in preparation for the Lunar Transit next weekend. HMI performed nominally during the EVE FOV and AIA/HMI Offpoints on Tuesday and the AIA GT Calibration maneuver on Thursday.