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Mauna Loa Solar Observatory Observer's Log  
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Fri Jun 20 18:10:12 GMT 2014

Year: 14 Doy: 171

Observer: berkey

WEATHER COMMENT: berkey: Fri Jun 20 18:10:15 GMT 2014

temp 49f , no wind, skies mostly clear with some cirrus to the north.

\_\_\_\_end\_\_\_\_

GENERAL OBSERVATORY COMMENT BY berkey: Fri Jun 20 18:18:35 GMT 2014

Shimmed the SGS to bring kcor back towards the center of its range. 5 thousands was added to aft end of the SGS to dial out the change in dec on Kcor. Dec guider offset is still about 40, I tried to set it to match what we had before moving Kcor instead of zeroing it since we are currently pointed about as far north as we ever point. It looks like we get 10-20 arcseconds of offset for every 1 thousandth of shim we put under the aft side of the guider.

\_\_\_\_end\_\_\_\_

GENERAL OBSERVATORY COMMENT BY berkey: Fri Jun 20 18:24:19 GMT 2014

Correction on the weather we are currently pointed into some thin cirrus.

\_\_\_\_end\_\_\_\_

Fri Jun 20 19:49:48 GMT 2014 COMP Start Patrol

Fri Jun 20 19:51:31 GMT 2014 KCOR Start Synoptic Patrol

Fri Jun 20 20:14:59 GMT 2014 KCOR End Patrol

Fri Jun 20 20:15:04 GMT 2014 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg.ini

KCOR COMMENT BY berkey: Fri Jun 20 20:15:07 GMT 2014

Skies seem to be improving running calibrations now.

\_\_\_\_end\_\_\_\_

Fri Jun 20 20:31:08 GMT 2014 KCOR End Calibration Script

Fri Jun 20 20:31:25 GMT 2014 KCOR Start Synoptic Patrol

Fri Jun 20 20:31:27 GMT 2014 KCOR Start Synoptic Patrol

Fri Jun 20 20:32:22 GMT 2014 KCOR End Patrol

KCOR COMMENT BY berkey: Fri Jun 20 20:32:20 GMT 2014

Dennis is going to stick a reference into the beam. To get spatial info of the artifacts on the field lens

\_\_\_\_end\_\_\_\_

KCOR COMMENT BY berkey: Fri Jun 20 21:02:18 GMT 2014

Wire tie showed the artifact was in the NW side of the field lens causing an artifact in the SE side of the image. With lucky placement of the wire tie the tip just covered the artifact. Inspectin downstairs showed the artifact was 3mm peice of cotton fiber strand from a q-tip. This has been removed and we now believe the data is artifact free out to at least 1 solar radii. (We have not done a close inspection of the data outside of the field presented in the semi-real time movie so there could be more out there).

\_\_\_\_end\_\_\_\_

Fri Jun 20 21:08:29 GMT 2014 COMP End Patrol

Fri Jun 20 21:38:16 GMT 2014: PSPT Abort Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Fri Jun 20 21:38:36 GMT 2014

Skies look like they wont clear and I have a few things to take care of in town. So we are leaving a little early today.

As far as we can tell the kcor looks good

\_\_\_\_end\_\_\_\_