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Mauna Loa Solar Observatory Observer's Log  
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Mon Mar 13 15:57:25 GMT 2017

Year: 17 Doy: 072

Observer: berkey

WEATHER COMMENT: berkey: Mon Mar 13 15:56:56 GMT 2017

Temp: 36.6f, Humidity: 65%, Pressure: 28.867in, Wind: 7mph from 167degs, Skies: clear with a strong inversion layer at about 10,000ft

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

Mon Mar 13 17:39:49 GMT 2017 CoMP occulter has been re-centered

Mon Mar 13 17:42:13 GMT 2017 COMP Start Patrol on cookbook: synoptic-00010.cbk

Mon Mar 13 17:42:37 GMT 2017 Kcor Focus/alignment program exited

Mon Mar 13 17:46:07 GMT 2017 KCOR Start Synoptic Patrol

\*\*\*\*Possible CME in Progress mlso\*\*\*\*: Mon Mar 13 18:50:16 GMT 2017

CME seen expanding near PA260 appearing to launch before sunrise HST. Cme appears to be associated with an eruptive prominence seen in Halpha.

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

You can check out the image data at:

<http://mlso.hao.ucar.edu>

Mon Mar 13 20:23:49 GMT 2017 COMP End Patrol

Mon Mar 13 20:23:51 GMT 2017 COMP Start Patrol on cookbook: waves-00001.cbk

Mon Mar 13 20:45:08 GMT 2017 KCOR End Patrol

Mon Mar 13 20:45:33 GMT 2017 CoMP Paused for clouds

Mon Mar 13 20:45:54 GMT 2017 CoMP Restarted from pause

Mon Mar 13 20:45:54 GMT 2017 COMP End Patrol

Mon Mar 13 20:49:57 GMT 2017 SGS Alignment complete

Mon Mar 13 20:51:00 GMT 2017 Kcor Focus/alignment program exited

Mon Mar 13 20:52:19 GMT 2017 CoMP occulter has been re-centered

Mon Mar 13 20:54:22 GMT 2017 CoMP occulter has been re-centered

Mon Mar 13 20:54:33 GMT 2017 KCOR Start Synoptic Patrol

Mon Mar 13 20:57:54 GMT 2017 COMP Start Patrol on cookbook: synoptic-00010.cbk

Mon Mar 13 22:30:35 GMT 2017 KCOR End Patrol

Mon Mar 13 22:30:36 GMT 2017 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20150323.ini

KCOR COMMENT BY berkey: Mon Mar 13 22:44:26 GMT 2017

We have been seeing big fringes in the NE of Kcor since about last week Tuesday. These were assumed to be from some issue with the paper lyot stop (Damage, movement, etc). So an inspection of the paper stop was preformed this morning before the start of observing, where there was no visible change to the condition of the stop. However it was noticed that the cloth should covering the aft-optics came loose on the north side and was no longer completely shielding the optics. As part of general house keeping the shroud was reinstalled.

Still assuming the paper stop was at issue, a new stop was built up; and made ready to install as soon as we saw the fringing; so we could confirm things got better after the installation.

Surprisingly the fringes have not returned by 12:30pm hst, so I think we can now assume that the fringes were coming from light leaks related to the loose shroud and probably not issues with the paper stop.

To test this we will run for the rest of today and tomorrow in this current configuration. Then Wednesday the shroud will be removed at the start of observing, and we will run without the shroud for the day or until we see the fringes return.

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

Mon Mar 13 22:45:55 GMT 2017 KCOR End Calibration Script

Mon Mar 13 22:46:13 GMT 2017 KCOR Start Synoptic Patrol

Mon Mar 13 22:46:14 GMT 2017 KCOR Start Synoptic Patrol

Mon Mar 13 23:27:30 GMT 2017 KCOR End Patrol

Mon Mar 13 23:27:45 GMT 2017 CoMP Paused for clouds

GENERAL COMMENT BY berkey: Mon Mar 13 23:38:18 GMT 2017

Closing the dome for clouds.

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

Tue Mar 14 01:47:24 GMT 2017 CoMP Restarted from pause

Tue Mar 14 01:47:24 GMT 2017 CoMP End Patrol

GENERAL COMMENT BY berkey: Tue Mar 14 01:50:14 GMT 2017

Had UCAR facilities out today for a site visit as part of the wrap up of the 2015 construction project. This should lead to future work/maintenance at the observatory.

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