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Mauna Loa Solar Observatory Observer's Log  
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Fri Sep 11 17:18:15 GMT 2015

Year: 15 Doy: 254

Observer: berkey

WEATHER COMMENT: berkey: Fri Sep 11 17:19:14 GMT 2015

Temp: 47.3f, Humidity: 62%, Pressure: 28.598in, Wind: 5mph from SE, Skies:Clear above with an inversion layer about 9,500 capping a bunch of vog.

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

CoMP COMMENT BY berkey: Fri Sep 11 17:21:16 GMT 2015

Fall occulter #31 in beam

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

KCOR COMMENT BY berkey: Fri Sep 11 17:26:32 GMT 2015

Fall occulter 1006.9 in the beam. Summer occulter 991.6 was found to have a small ding on the NE edge which should be the SW region of the kcor image.

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

Fri Sep 11 17:27:44 GMT 2015 COMP Start Patrol on cookbook: comp.cbk

\*\*\*\*EVENT COMMENT BY berkey\*\*\*\* : Fri Sep 11 17:28:51 GMT 2015

AR 2412 appears to have some small scale flaring this morning as seen in Halpha.

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

Fri Sep 11 17:34:23 GMT 2015 KCOR Start Synoptic Patrol

CoMP COMMENT BY berkey: Fri Sep 11 17:35:08 GMT 2015

CoMP is due for a O1 washing.

I this morning I also saw some unexpected filament like structures on the lens that weren't there during Wednesday inspection. Typically we see individual pieces of dust or a haze for lots of small dust. This residue trail seems more like drip structures we see when the lens get wet, but the structures were random in random orientations and on both sides of the lens, so maybe some sort of insect was crawling around the O1.

I had been trying to hold out on washing until post shutdown since we will probably want to wash both O1's before reinstalling. But now it looks like I should try to schedule a wash down some time in the next week.

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

KCOR COMMENT BY berkey: Fri Sep 11 17:41:26 GMT 2015

Initial Kcor real time images show a bright feature at the edge of the occulter in Solar north. The feature is slightly less visible in the quicklook gifs. I dont see a corresponding bright feature in the halpha, perhaps this is an instrument artifact.

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

Fri Sep 11 19:06:38 GMT 2015 KCOR End Patrol

Fri Sep 11 19:06:40 GMT 2015 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20150323.ini

Fri Sep 11 19:23:53 GMT 2015 KCOR End Calibration Script

Fri Sep 11 19:24:10 GMT 2015 KCOR Start Synoptic Patrol

Fri Sep 11 19:24:10 GMT 2015 KCOR Start Synoptic Patrol

\*\*\*\*EVENT COMMENT BY berkey\*\*\*\* : Fri Sep 11 19:36:59 GMT 2015

CoMP also seems to have a bright artifact in the same region of the sun as Kcor. So maybe this is solar in origion.

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

Fri Sep 11 20:03:13 GMT 2015 KCOR End Patrol

Fri Sep 11 20:03:26 GMT 2015 CoMP Paused for clouds

GENERAL COMMENT BY berkey: Fri Sep 11 20:04:11 GMT 2015

Dome closed fast moving fog just came up the hill.

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

Fri Sep 11 20:19:08 GMT 2015 CoMP Restarted from pause

Fri Sep 11 20:21:08 GMT 2015 KCOR Start Synoptic Patrol

Fri Sep 11 20:56:56 GMT 2015 COMP End Patrol

Fri Sep 11 21:05:21 GMT 2015 COMP Start Patrol on cookbook: synoptic-00001.cbk

Fri Sep 11 21:06:47 GMT 2015 COMP End Patrol

Fri Sep 11 21:08:26 GMT 2015 COMP Start Patrol on cookbook: synoptic-00001.cbk

Fri Sep 11 21:09:23 GMT 2015 COMP End Patrol

Fri Sep 11 21:09:42 GMT 2015 KCOR End Patrol

Fri Sep 11 21:12:54 GMT 2015 COMP Start Patrol on cookbook: synoptic-00001.cbk

CoMP COMMENT BY berkey: Fri Sep 11 21:13:38 GMT 2015

Swapping CoMP code out with the new menu code that adds two new fits keywords.

OBS\_ID for recipe

OBS\_PLAN for cookbook.

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

GENERAL COMMENT BY berkey: Fri Sep 11 21:13:50 GMT 2015

Realigned sgs and comp

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

KCOR COMMENT BY berkey: Fri Sep 11 21:26:28 GMT 2015

Kcor took a lot of restarts to get in the right polarization mode.

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

Fri Sep 11 21:26:50 GMT 2015 KCOR Start Synoptic Patrol

Fri Sep 11 23:35:09 GMT 2015 COMP End Patrol

Fri Sep 11 23:35:10 GMT 2015 COMP Start Patrol on cookbook: waves-00001.cbk

Fri Sep 11 23:56:14 GMT 2015 KCOR End Patrol

Fri Sep 11 23:56:56 GMT 2015 CoMP Paused for clouds

Fri Sep 11 23:58:53 GMT 2015 CoMP Restarted from pause

Fri Sep 11 23:59:56 GMT 2015 CoMP Paused for clouds

Sat Sep 12 00:16:53 GMT 2015 CoMP Restarted from pause

Sat Sep 12 00:16:53 GMT 2015 COMP End Patrol

GENERAL COMMENT BY berkey: Sat Sep 12 00:17:19 GMT 2015

Dome closed again for clouds.

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

Sat Sep 12 01:58:33 GMT 2015 COMP Start Patrol on cookbook: synoptic-00001.cbk

Sat Sep 12 01:58:57 GMT 2015 COMP End Patrol

Sat Sep 12 01:58:57 GMT 2015 COMP Start Patrol on cookbook: waves-00001.cbk

Sat Sep 12 01:59:19 GMT 2015 COMP End Patrol

Sat Sep 12 02:02:28 GMT 2015 COMP Start Patrol on cookbook: synoptic-00001.cbk

Sat Sep 12 02:02:51 GMT 2015 COMP End Patrol

Sat Sep 12 02:02:52 GMT 2015 COMP Start Patrol on cookbook: waves-00001.cbk

Sat Sep 12 02:03:13 GMT 2015 COMP End Patrol

Sat Sep 12 02:03:47 GMT 2015 COMP Start Patrol on cookbook:

Sat Sep 12 02:06:36 GMT 2015 COMP Start Patrol on cookbook: waves-00001.cbk

Sat Sep 12 02:07:12 GMT 2015 COMP End Patrol  
Sat Sep 12 02:10:01 GMT 2015 COMP Start Patrol on cookbook: waves-00001.cbk  
Sat Sep 12 02:10:22 GMT 2015 COMP End Patrol  
Sat Sep 12 02:10:23 GMT 2015 COMP Start Patrol on cookbook: synoptic-00001.cbk  
Sat Sep 12 02:10:46 GMT 2015 COMP End Patrol  
Sat Sep 12 02:10:46 GMT 2015 COMP Start Patrol on cookbook: waves-00001.cbk  
Sat Sep 12 02:11:08 GMT 2015 COMP End Patrol  
Sat Sep 12 02:11:08 GMT 2015 COMP Start Patrol on cookbook: synoptic-00001.cbk  
Sat Sep 12 02:11:32 GMT 2015 COMP End Patrol  
Sat Sep 12 02:11:32 GMT 2015 COMP Start Patrol on cookbook: waves-00001.cbk  
Sat Sep 12 02:11:54 GMT 2015 COMP End Patrol  
Sat Sep 12 02:11:54 GMT 2015 COMP Start Patrol on cookbook: synoptic-00001.cbk  
Sat Sep 12 02:12:18 GMT 2015 COMP End Patrol