
Mauna Loa Solar Observatory Observer's Log

Wed Dec 14 17:09:47 GMT 2016

Year: 16 Doy: 349

Observer: berkey

WEATHER COMMENT: berkey: Wed Dec 14 17:09:52 GMT 2016

Temp: 35.3f, Humidity: 19%, Pressure: 28.65in, Wind: 8mph from 188deg, Skies: Clear
____end____

Wed Dec 14 17:37:04 GMT 2016 CoMP occulter has been re-centered

Wed Dec 14 17:40:20 GMT 2016 COMP Start Patrol on cookbook: synoptic-00007.cbk

Wed Dec 14 17:43:49 GMT 2016 COMP Start Patrol on cookbook: synoptic-00007.cbk

Wed Dec 14 17:45:21 GMT 2016 Kcor Focus/alignment program exited

Wed Dec 14 17:54:18 GMT 2016 KCOR Start Synoptic Patrol

Wed Dec 14 18:47:49 GMT 2016 KCOR End Patrol

Wed Dec 14 18:47:50 GMT 2016 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20150323.ini

****EVENT COMMENT BY berkey**** : Wed Dec 14 18:58:55 GMT 2016

Looks like there may be an eruption starting near PA270 ~18:30UT associated with a prominence also seen in that area in Halapha.

____end____

Wed Dec 14 19:04:51 GMT 2016 KCOR End Calibration Script

Wed Dec 14 19:05:08 GMT 2016 KCOR Start Synoptic Patrol

Wed Dec 14 19:05:09 GMT 2016 KCOR Start Synoptic Patrol

Wed Dec 14 19:37:00 GMT 2016 KCOR End Patrol

Wed Dec 14 19:37:25 GMT 2016 KCOR Start Synoptic Patrol

Wed Dec 14 20:23:50 GMT 2016 KCOR End Patrol

Wed Dec 14 20:24:31 GMT 2016 COMP End Patrol

Wed Dec 14 20:25:25 GMT 2016 SGS Alignment complete

Wed Dec 14 20:25:43 GMT 2016 CoMP occulter has been re-centered

Wed Dec 14 20:25:44 GMT 2016 COMP Start Patrol on cookbook: synoptic-00007.cbk

Wed Dec 14 20:26:44 GMT 2016 COMP End Patrol

Wed Dec 14 20:26:45 GMT 2016 COMP Start Patrol on cookbook: waves-00001.cbk

Wed Dec 14 20:27:47 GMT 2016 Kcor Focus/alignment program exited

Wed Dec 14 20:30:45 GMT 2016 KCOR Start Synoptic Patrol

Wed Dec 14 21:53:13 GMT 2016 KCOR End Patrol

Wed Dec 14 21:53:31 GMT 2016 SGS Alignment complete

Wed Dec 14 21:53:42 GMT 2016 KCOR Start Synoptic Patrol

Wed Dec 14 21:59:02 GMT 2016 COMP End Patrol

Wed Dec 14 21:59:03 GMT 2016 COMP Start Patrol on cookbook: synoptic-00007.cbk

Wed Dec 14 22:19:34 GMT 2016 COMP End Patrol

Wed Dec 14 22:19:35 GMT 2016 KCOR End Patrol

CoMP COMMENT BY berkey: Wed Dec 14 22:19:57 GMT 2016

Stopping observations for the Comp diffuser test.

____end____

Wed Dec 14 22:22:21 GMT 2016 COMP Start Patrol on cookbook: diffuser.cbk

Wed Dec 14 22:47:01 GMT 2016 COMP End Patrol

Wed Dec 14 22:47:02 GMT 2016 COMP Start Patrol on cookbook: diffuser.cbk

Wed Dec 14 22:51:49 GMT 2016 COMP End Patrol

CoMP COMMENT BY berkey: Wed Dec 14 23:07:24 GMT 2016

This morning I tried to troubleshoot an error message we get when comp computer reboots and reconnects to the opal controller. Looks like this troubleshooting disabled the opal.

Power cycling the usb controllers seems to have fixed it.

All CoMP data taken this morning had the OPAL out. Cals will be junk.

Restarting diffuser test.

____end____

Wed Dec 14 23:07:35 GMT 2016 COMP Start Patrol on cookbook: diffuser.cbk

Wed Dec 14 23:09:09 GMT 2016 Kcor Focus/alignment program exited

Wed Dec 14 23:27:17 GMT 2016 COMP End Patrol

Wed Dec 14 23:27:59 GMT 2016 CoMP occulter has been re-centered

Wed Dec 14 23:31:22 GMT 2016 CoMP occulter has been re-centered

Wed Dec 14 23:32:23 GMT 2016 CoMP occulter has been re-centered

Wed Dec 14 23:35:02 GMT 2016 Kcor sees an SGS Guiding Error closing lens cover

Wed Dec 14 23:35:03 GMT 2016 KCOR End Patrol
Wed Dec 14 23:35:50 GMT 2016 Kcor sees an SGS Guiding Error closing lens cover
Wed Dec 14 23:35:51 GMT 2016 KCOR End Patrol
Wed Dec 14 23:41:29 GMT 2016 COMP Start Patrol on cookbook: synoptic-00007.cbk
Wed Dec 14 23:46:03 GMT 2016 KCOR Start Synoptic Patrol
Wed Dec 14 23:50:48 GMT 2016 COMP End Patrol
Wed Dec 14 23:51:44 GMT 2016 CoMP occulter has been re-centered
Wed Dec 14 23:53:10 GMT 2016 COMP Start Patrol on cookbook: synoptic-00007.cbk
CoMP COMMENT BY berkey: Thu Dec 15 00:10:31 GMT 2016
I have ended the diffuser test for today.

For the diffuser test the Badder $t=2.6e-4@1074.6\text{nm}$ was installed in the beam. There is very little signal when the Badder ND and Opal are in the beam, in the realtime displays it is impossible to tell the location of the solar disk.

Notes on image timming.

Start diffuser test. With non-functionning diffuser header says OPAL is in but this is incorrect.

122250.FTS->122601.FTS Standard darks and bad flats (opal out)

123825.FTS->124137.FTS Badder in beam occulter out, standard darks and bad flats

124738.FTS->125049.FTS Standard darks and bad flats (opal out)

OPAL FIXED

130804.FTS->131115.FTS Standard darks and flats

132105.FTS->132415.FTS Badder in beam occulter out, standard darks and flats

Badder removed end of test.

____end____

GENERAL COMMENT BY berkey: Thu Dec 15 00:15:46 GMT 2016

Big prominence near PA80 seen in kcor, comp 1083 and halpaha

____end____

Thu Dec 15 02:34:15 GMT 2016 COMP End Patrol

Thu Dec 15 02:34:16 GMT 2016 COMP Start Patrol on cookbook: waves-00001.cbk

Thu Dec 15 03:12:05 GMT 2016 COMP End Patrol

NOTE: Steve examined the opal and Badder filter data to determine the current transmission value

of the CoMP opal / diffuser. He reported that the transmission value is now $25.8e-06 \text{ B/Bsun}$

(- j. burkepile)