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--------------------------------------------------------------------------------
          Mauna Loa Solar Observatory Observer's Log
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       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 188degs, 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 erruption starting near PA270 ~18:30UT assoicated with a prominace also seen in that area in Ha
lapha.
___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
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CoMP COMMENT BY berkey: Wed Dec 14 23:07:24 GMT 2016
This morning I tired to troubleshoot an error message we get when comp computer reboots and reconnects to the opal control
ler. 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@1074.6nm 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 promaince 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 B/Bsun
(- j. burkepile)