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Mauna Loa Solar Observatory Observer's Log  
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Thu Jan 18 17:00:19 GMT 2018

Year: 18 Doy: 018

Observer: waters

WEATHER COMMENT: waters: Thu Jan 18 17:00:28 GMT 2018

Temp 39F with windspeed at about 19-24mph from the Southeast. The wind speed may actually be higher as our building is blocking some of the wind from the anemometer. Sky is clear but will wait until the wind has calmed down a bit before opening the dome.

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

GENERAL OBSERVATORY COMMENT BY waters: Thu Jan 18 17:33:27 GMT 2018

Shabar out on the lave to the East of the building, taking data.

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

GENERAL OBSERVATORY COMMENT BY waters: Thu Jan 18 18:57:33 GMT 2018

Shabar was getting bad reads because of a switch that I should have flipped on wasn't. Shabar is working properly now and we should be good to go for the rest of the day. Thank you Ben

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

GENERAL OBSERVATORY COMMENT BY waters: Thu Jan 18 19:21:36 GMT 2018

Wind is staying below 20mph with an occasional gust to about 21-23. Opening the dome and going to start taking data.

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

Thu Jan 18 19:23:59 GMT 2018 SGS Alignment complete

Thu Jan 18 19:24:08 GMT 2018 Kcor Focus/alignment program exited

Thu Jan 18 19:25:57 GMT 2018 CoMP occulter has been re-centered

Thu Jan 18 19:27:25 GMT 2018 COMP Start Patrol on cookbook: synoptic-00012.cbk

GENERAL COMMENT BY waters: Thu Jan 18 19:27:30 GMT 2018

PM Blew off Kcor O1

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

GENERAL COMMENT BY waters: Thu Jan 18 19:27:33 GMT 2018

PM Blew off CoMP O1

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

Thu Jan 18 19:28:42 GMT 2018 KCOR Start Synoptic Patrol

Thu Jan 18 19:55:35 GMT 2018 KCOR End Patrol

Thu Jan 18 19:55:36 GMT 2018 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Thu Jan 18 19:59:16 GMT 2018 Kcor sees an SGS Guiding Error closing lens cover

Thu Jan 18 19:59:41 GMT 2018 Kcor sees an SGS Guiding Error closing lens cover

Thu Jan 18 20:00:19 GMT 2018 KCOR ABORT Calibration Script

Thu Jan 18 20:00:36 GMT 2018 KCOR Start Synoptic Patrol

Thu Jan 18 20:00:37 GMT 2018 KCOR Start Synoptic Patrol

Thu Jan 18 20:00:38 GMT 2018 KCOR Start Synoptic Patrol

Thu Jan 18 20:00:38 GMT 2018 KCOR Start Synoptic Patrol

GENERAL OBSERVATORY COMMENT BY waters: Thu Jan 18 19:59:47 GMT 2018

Dec took a big dive for some reason. Wind has not been that strong and nothing is near the spar. Calibration aborted and will restart when Kcor is back up.

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

Thu Jan 18 20:01:52 GMT 2018 KCOR End Patrol

Thu Jan 18 20:02:52 GMT 2018 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Thu Jan 18 20:18:12 GMT 2018 KCOR End Calibration Script

Thu Jan 18 20:19:42 GMT 2018 KCOR Start Synoptic Patrol  
GENERAL OBSERVATORY COMMENT BY waters: Thu Jan 18 20:47:52 GMT 2018  
Alignment was off on Shabar. Readjusted.

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

Thu Jan 18 21:02:08 GMT 2018 COMP End Patrol  
Thu Jan 18 21:03:12 GMT 2018 CoMP occulter has been re-centered  
Thu Jan 18 21:03:14 GMT 2018 COMP Start Patrol on cookbook: synoptic-00012.cbk  
GENERAL OBSERVATORY COMMENT BY waters: Thu Jan 18 21:04:37 GMT 2018

Cords were catching on the mount for Shabar, which was restricting it to move. Freed the cables and hopefully will run smooth for the rest of the day.

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

GENERAL OBSERVATORY COMMENT BY waters: Thu Jan 18 21:09:36 GMT 2018  
Raised the bottom part of the shutter to help with blocking some of the wind.

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

Thu Jan 18 21:32:05 GMT 2018 Kcor sees an SGS Guiding Error closing lens cover  
Thu Jan 18 21:32:06 GMT 2018 KCOR End Patrol  
Thu Jan 18 21:34:39 GMT 2018 CoMP Paused for clouds  
GENERAL OBSERVATORY COMMENT BY waters: Thu Jan 18 21:34:42 GMT 2018

Dec took another sharp dive and now the spar is oscillating. Idling instruments until spar regains it's equilibrium.

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

GENERAL OBSERVATORY COMMENT BY waters: Thu Jan 18 21:40:55 GMT 2018  
Can't seem to get the spar to not oscillate and the wind isn't helping. Moved the dome more South-Southwest and that seems to help but the instruments aren't in the slot yet. Instruments idled until then.

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

Thu Jan 18 22:21:25 GMT 2018 KCOR Start Synoptic Patrol  
Thu Jan 18 22:21:29 GMT 2018 CoMP Restarted from pause  
GENERAL OBSERVATORY COMMENT BY waters: Thu Jan 18 22:21:42 GMT 2018

Did a meridian flip for Shabar at about 12:04 HST.

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

Thu Jan 18 23:24:42 GMT 2018 KCOR End Patrol  
Thu Jan 18 23:24:45 GMT 2018 COMP End Patrol  
Thu Jan 18 23:27:22 GMT 2018 SGS Alignment complete  
Thu Jan 18 23:27:40 GMT 2018 CoMP occulter has been re-centered  
Thu Jan 18 23:27:44 GMT 2018 COMP Start Patrol on cookbook: waves-00003.cbk

Fri Jan 19 00:22:04 GMT 2018 KCOR Start Synoptic Patrol  
KCOR COMMENT BY waters: Fri Jan 19 00:22:10 GMT 2018  
Kcor should have had the Science Data button hit at 23:27:22 UT. Miss clicked it.

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

Fri Jan 19 01:00:12 GMT 2018 KCOR End Patrol  
Fri Jan 19 01:00:41 GMT 2018 SGS Alignment complete  
Fri Jan 19 01:00:34 GMT 2018 KCOR Start Synoptic Patrol  
Fri Jan 19 01:00:38 GMT 2018 COMP End Patrol  
Fri Jan 19 01:01:49 GMT 2018 CoMP occulter has been re-centered  
Fri Jan 19 01:01:51 GMT 2018 COMP Start Patrol on cookbook: synoptic-00012.cbk  
GENERAL OBSERVATORY COMMENT BY waters: Fri Jan 19 02:02:59 GMT 2018

CoMP just got a bad read from the Rockwell temp but luckily, since Ben changed the code to do two reads before shutting, it didn't shut down since the temp was at -180C.

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

Fri Jan 19 02:37:08 GMT 2018 COMP End Patrol

Fri Jan 19 02:37:08 GMT 2018 COMP Start Patrol on cookbook: synoptic-00012.cbk

GENERAL OBSERVATORY COMMENT BY waters: Fri Jan 19 02:46:08 GMT 2018

Shabar has been put away for the day. Just in time too, the building shadow was just about to cross over it.

end

Fri Jan 19 02:51:28 GMT 2018 KCOR End Patrol

Fri Jan 19 02:51:52 GMT 2018 COMP End Patrol

ONSITE STAFF: waters