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Mauna Loa Solar Observatory Observer's Log  
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Fri Nov 17 16:09:56 GMT 2017

Year: 17 Doy: 321

Observer: waters

GENERAL COMMENT BY waters: Fri Nov 17 16:32:03 GMT 2017

Temp 38F with windspeed at about 11-16mph from the Southwest. Sky looks clear at present.

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

Fri Nov 17 17:14:00 GMT 2017 CoMP occulter has been re-centered

Fri Nov 17 18:06:46 GMT 2017 SGS Alignment complete

Fri Nov 17 18:07:47 GMT 2017 Kcor Focus/alignment program exited

Fri Nov 17 18:06:44 GMT 2017 CoMP occulter has been re-centered

Fri Nov 17 18:08:12 GMT 2017 COMP Start Patrol on cookbook: synoptic-00010.cbk

Fri Nov 17 18:12:04 GMT 2017 Kcor Focus/alignment program exited

Fri Nov 17 18:12:10 GMT 2017 Kcor Focus/alignment program exited

Fri Nov 17 18:11:17 GMT 2017 COMP End Patrol

Fri Nov 17 18:11:45 GMT 2017 CoMP occulter has been re-centered

Fri Nov 17 18:12:16 GMT 2017 COMP Start Patrol on cookbook: waves-00001.cbk

Fri Nov 17 18:12:59 GMT 2017 COMP End Patrol

Fri Nov 17 18:13:00 GMT 2017 COMP Start Patrol on cookbook: synoptic-00010.cbk

Fri Nov 17 18:23:46 GMT 2017 KCOR Start Synoptic Patrol

GENERAL COMMENT BY waters: Fri Nov 17 18:23:06 GMT 2017

PM Blew off Kcor O1

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

GENERAL COMMENT BY waters: Fri Nov 17 18:23:10 GMT 2017

PM Blew off CoMP O1

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

GENERAL COMMENT BY waters: Fri Nov 17 18:31:09 GMT 2017

The balance of the spar seemed off this morning and at first Ben and I couldn't figure out why. We then set out to balance before start up; we added five lbs to the back and then shifted some weight on the West side to a rod on the Northeast on the weight arm. Once we came down, we noticed that the Kcor O1 looked like it had slipped. We went back up stairs and Ben found that the Kcor O1 seemed to be stuck. He took off the hood for the O1 and readjusted the rubber ring on it, cleaned it and then re-installed it. We then rechecked the balance of the spar but it seems like putting the Kcor O1 back didn't have an obvious affect on the balance, so we left it how it was.

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

KCOR COMMENT BY waters: Fri Nov 17 18:32:22 GMT 2017

Temperature on the MC4U controller GUI wasn't reading the Lightwave temp reader for Kcor. Ben rebooted the connector for it and it's working fine now.

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

KCOR COMMENT BY waters: Fri Nov 17 18:32:53 GMT 2017

Pausing Kcor to address a bullet hole in the images.

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

Fri Nov 17 18:34:34 GMT 2017 KCOR End Patrol

Fri Nov 17 18:37:54 GMT 2017 KCOR Start Synoptic Patrol

GENERAL COMMENT BY waters: Fri Nov 17 18:36:58 GMT 2017

PM Blew off Kcor O1

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

Fri Nov 17 18:43:46 GMT 2017 KCOR End Patrol  
Fri Nov 17 18:49:04 GMT 2017 KCOR Start Synoptic Patrol  
KCOR COMMENT BY waters: Fri Nov 17 18:51:07 GMT 2017  
It looks like blowing off the Kcor O1 did not get rid of the bullet hole. I checked the field lens as well but I did not see an obvious source for it there. At some point, Ben may take a look at the back side of the O1 to see if he can find the source.  
\_\_\_\_end\_\_\_\_  
Fri Nov 17 19:00:09 GMT 2017 KCOR End Patrol  
Fri Nov 17 18:59:32 GMT 2017 CoMP Paused for clouds  
Fri Nov 17 19:02:16 GMT 2017 Kcor sees an SGS Guiding Error closing lens cover  
Fri Nov 17 19:02:18 GMT 2017 KCOR End Patrol  
Fri Nov 17 19:20:58 GMT 2017 Kcor sees an SGS Guiding Error closing lens cover  
Fri Nov 17 19:21:00 GMT 2017 KCOR End Patrol  
Fri Nov 17 19:21:13 GMT 2017 Kcor sees an SGS Guiding Error closing lens cover  
Fri Nov 17 19:21:14 GMT 2017 KCOR End Patrol  
Fri Nov 17 19:22:59 GMT 2017 CoMP Restarted from pause  
Fri Nov 17 19:25:36 GMT 2017 Kcor Focus/alignment program exited  
GENERAL COMMENT BY berkey: Fri Nov 17 19:25:30 GMT 2017  
PM Blew off Kcor O1 back  
\_\_\_\_end\_\_\_\_  
Fri Nov 17 19:30:28 GMT 2017 KCOR Start Synoptic Patrol  
Fri Nov 17 20:01:26 GMT 2017 KCOR End Patrol  
Fri Nov 17 20:08:19 GMT 2017 KCOR Start Synoptic Patrol  
GENERAL COMMENT BY waters: Fri Nov 17 20:07:47 GMT 2017  
PM Blew off Kcor O1  
\_\_\_\_end\_\_\_\_  
Fri Nov 17 20:21:43 GMT 2017 KCOR End Patrol  
Fri Nov 17 20:24:15 GMT 2017 KCOR Start Synoptic Patrol  
GENERAL COMMENT BY berkey: Fri Nov 17 20:23:21 GMT 2017  
PM Blew off Kcor Field Lens  
\_\_\_\_end\_\_\_\_  
Fri Nov 17 20:34:16 GMT 2017 KCOR End Patrol  
Fri Nov 17 20:39:48 GMT 2017 KCOR Start Synoptic Patrol  
GENERAL COMMENT BY waters: Fri Nov 17 20:38:34 GMT 2017  
PM Blew off Kcor Field Lens  
\_\_\_\_end\_\_\_\_  
Fri Nov 17 21:07:11 GMT 2017 KCOR End Patrol  
Fri Nov 17 21:13:36 GMT 2017 KCOR Start Synoptic Patrol  
GENERAL COMMENT BY waters: Fri Nov 17 21:12:21 GMT 2017  
PM Blew off Kcor O1  
\_\_\_\_end\_\_\_\_  
Fri Nov 17 21:25:51 GMT 2017 COMP End Patrol  
Fri Nov 17 21:27:35 GMT 2017 KCOR End Patrol  
Fri Nov 17 21:29:32 GMT 2017 SGS Alignment complete  
Fri Nov 17 21:28:54 GMT 2017 KCOR Start Synoptic Patrol  
Fri Nov 17 21:28:03 GMT 2017 CoMP occulter has been re-centered  
Fri Nov 17 21:28:05 GMT 2017 COMP Start Patrol on cookbook: waves-00001.cbk  
KCOR COMMENT BY waters: Fri Nov 17 21:35:15 GMT 2017

It seems we introduced two new bullet holes in the northwest quadrant of our Kcor data. Both of us have been trying to see if they are either on the field lens or the O1 but we haven't been able to get rid of them. We are going to keep taking data and possibly try to address them later.

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

Fri Nov 17 23:00:38 GMT 2017 COMP End Patrol

Fri Nov 17 23:00:39 GMT 2017 COMP Start Patrol on cookbook: synoptic-00010.cbk

Fri Nov 17 23:18:07 GMT 2017 COMP End Patrol

Fri Nov 17 23:19:28 GMT 2017 KCOR End Patrol

GENERAL COMMENT BY waters: Fri Nov 17 23:19:05 GMT 2017

Wind is starting to gust at 30mph + from the West; idling instruments and closing the dome for a bit.

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

GENERAL COMMENT BY waters: Sat Nov 18 00:46:54 GMT 2017

Fog coming up from the East...

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