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Mauna Loa Solar Observatory Observer's Log  
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Fri Apr 28 15:52:21 GMT 2017

Year: 17 Doy: 118

Observer: waters

WEATHER COMMENT: waters: Fri Apr 28 16:18:43 GMT 2017

Temp 42F with windspeed at about 9mph from the South-Southwest. Vog looks to be at about 9,000-10,000ft but otherwise, clear sky.

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

Fri Apr 28 16:22:17 GMT 2017 SGS Alignment complete

Fri Apr 28 16:34:28 GMT 2017 CoMP occulter has been re-centered

Fri Apr 28 16:36:01 GMT 2017 COMP Start Patrol on cookbook: synoptic-00010.cbk

Fri Apr 28 16:40:20 GMT 2017 Kcor Focus/alignment program exited

Fri Apr 28 16:54:06 GMT 2017 Kcor Focus/alignment program exited

Fri Apr 28 16:58:52 GMT 2017 KCOR Start Synoptic Patrol

Fri Apr 28 19:17:53 GMT 2017 COMP End Patrol

Fri Apr 28 19:20:41 GMT 2017 SGS Alignment complete

Fri Apr 28 19:19:50 GMT 2017 CoMP occulter has been re-centered

Fri Apr 28 19:19:52 GMT 2017 COMP Start Patrol on cookbook: waves-00001.cbk

GENERAL OBSERVATORY COMMENT BY waters: Fri Apr 28 19:19:21 GMT 2017

Comp occulter adjusted.

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

\*\*\*\*Possible CME in Progress waters\*\*\*\*: Fri Apr 28 19:42:50 GMT 2017

Between PA 280-310 at 17:56UT, there is a slow, faint cme. It looks to be preceded by a pulse. Can be seen in Kcor.

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

You can check out the image data at:

<http://mlso.hao.ucar.edu>

Fri Apr 28 19:51:08 GMT 2017 KCOR End Patrol

Fri Apr 28 19:51:45 GMT 2017 KCOR Start Synoptic Patrol

GENERAL OBSERVATORY COMMENT BY waters: Fri Apr 28 19:51:16 GMT 2017

A wisp of a cloud passed, pushed through it.

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

\*\*\*\*Possible CME in Progress waters\*\*\*\*: Fri Apr 28 20:19:24 GMT 2017

At PA 105 at 17:56UT, a prominence can be seen expanding and then at 19:30UT a cme can be seen launching. Can be seen in Kcor.

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

You can check out the image data at:

<http://mlso.hao.ucar.edu>

Fri Apr 28 20:44:09 GMT 2017 KCOR End Patrol

Fri Apr 28 20:44:48 GMT 2017 KCOR Start Synoptic Patrol

GENERAL OBSERVATORY COMMENT BY waters: Fri Apr 28 20:44:30 GMT 2017

Some clouds are hanging out just below where the Sun is. Every now and then, a few of them come up. Keeping an eye on things.

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

Fri Apr 28 20:46:56 GMT 2017 KCOR End Patrol  
Fri Apr 28 20:46:58 GMT 2017 CoMP Paused for clouds  
GENERAL OBSERVATORY COMMENT BY waters: Fri Apr 28 20:47:04 GMT 2017  
Sky got too bright; instruments idled.

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

Fri Apr 28 20:51:50 GMT 2017 KCOR Start Synoptic Patrol  
Fri Apr 28 20:52:46 GMT 2017 KCOR End Patrol  
Fri Apr 28 20:56:11 GMT 2017 CoMP Restarted from pause  
Fri Apr 28 20:57:03 GMT 2017 KCOR Start Synoptic Patrol  
Fri Apr 28 20:57:50 GMT 2017 KCOR End Patrol  
Fri Apr 28 20:57:58 GMT 2017 CoMP Paused for clouds  
Fri Apr 28 21:03:19 GMT 2017 CoMP Restarted from pause  
Fri Apr 28 21:03:49 GMT 2017 KCOR Start Synoptic Patrol  
KCOR COMMENT BY waters: Fri Apr 28 20:47:55 GMT 2017

Modulator temp on the MC4U controller.vi was reading 35C this morning but now reads zero. However, looking at the actually ILXlightwave display, it's still reading 35C.

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

Fri Apr 28 21:07:58 GMT 2017 COMP End Patrol  
Fri Apr 28 21:10:36 GMT 2017 SGS Alignment complete  
Fri Apr 28 21:10:22 GMT 2017 CoMP occulter has been re-centered  
Fri Apr 28 21:10:24 GMT 2017 COMP Start Patrol on cookbook: synoptic-00010.cbk  
GENERAL OBSERVATORY COMMENT BY waters: Fri Apr 28 21:09:57 GMT 2017

Comp occulter adjusted

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

Fri Apr 28 21:20:14 GMT 2017 KCOR End Patrol  
Fri Apr 28 21:20:36 GMT 2017 CoMP Paused for clouds  
GENERAL OBSERVATORY COMMENT BY waters: Fri Apr 28 21:35:59 GMT 2017

Sky is completely covered at the moment. The clouds look a bit on the low side, closing dome just in case.

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

KCOR COMMENT BY waters: Fri Apr 28 21:40:02 GMT 2017

Restarting Kcor computer to see if that will get the MC4U controller.vi working properly.  
Restarting the computer seems to have fixed it.

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

GENERAL OBSERVATORY COMMENT BY waters: Fri Apr 28 22:44:41 GMT 2017

A whole has opened up but there is fog to the East of the observatory. Will wait a bit before opening up.

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

GENERAL OBSERVATORY COMMENT BY waters: Fri Apr 28 23:02:08 GMT 2017

Closed up again.

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

Sat Apr 29 00:20:03 GMT 2017 Kcor Focus/alignment program exited  
Sat Apr 29 00:21:50 GMT 2017 SGS Alignment complete  
Sat Apr 29 00:21:11 GMT 2017 Kcor Focus/alignment program exited  
Sat Apr 29 00:21:04 GMT 2017 CoMP Restarted from pause  
Sat Apr 29 00:22:05 GMT 2017 CoMP Paused for clouds

GENERAL OBSERVATORY COMMENT BY waters: Sat Apr 29 00:23:31 GMT 2017  
Giant sucker whole...waiting for it to clear.

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

Sat Apr 29 01:27:28 GMT 2017 CoMP Restarted from pause

Sat Apr 29 01:27:29 GMT 2017 COMP End Patrol