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Mauna Loa Solar Observatory Observer's Log  
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Sun Dec 11 17:05:56 GMT 2016

Year: 16 Doy: 346

Observer: waters

WEATHER COMMENT BY waters: Sun Dec 11 17:06:01 GMT 2016

Temp 37F with windspeed at about 4mph from the Southwest. Thick cirrus in the Southeast, a little to the Northeast and a smidge to the South. Clear to the West and Northwest. Will wait for the sky to clear up a bit before opening the dome.

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

KCOR COMMENT BY waters: Sun Dec 11 17:07:42 GMT 2016

Kcor temp at 32.1C and remaining stable. Should start warming up when the Sun rises above Mauna Loas' shoulder and clouds.

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

GONG COMMENT BY waters: Sun Dec 11 18:37:16 GMT 2016

Gong unstowed. While unstowing the instrument, the Pitch and Roll LEDs on the drive ISO were lit, so I followed the prompts after clicking the 'Help' button. Unfortunately, after the instrument control computer was power cycled, it couldn't connect to the instrument. I then power cycled the Data chassis and the instrument control computer (again) to see if that helped and it did. GONG is up and running.

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

Sun Dec 11 19:11:09 GMT 2016 SGS Alignment complete

Sun Dec 11 19:12:13 GMT 2016 CoMP occulter has been re-centered

Sun Dec 11 19:12:32 GMT 2016 Kcor Focus/alignment program exited

Sun Dec 11 19:13:03 GMT 2016 CoMP occulter has been re-centered

GENERAL OBSERVATORY COMMENT BY waters: Sun Dec 11 19:13:23 GMT 2016

Cirrus has cleared from the path of the Sun, starting up the instruments!

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

Sun Dec 11 19:14:55 GMT 2016 CoMP occulter has been re-centered

Sun Dec 11 19:16:05 GMT 2016 CoMP occulter has been re-centered

Sun Dec 11 19:17:30 GMT 2016 CoMP occulter has been re-centered

Sun Dec 11 19:18:59 GMT 2016 CoMP Start Patrol on cookbook: synoptic-00007.cbk

Sun Dec 11 19:19:23 GMT 2016 KCOR Start Synoptic Patrol

GENERAL OBSERVATORY COMMENT BY waters: Sun Dec 11 19:33:02 GMT 2016

Dome was blocking shabar; seems the auto rotate mechanism was a little sluggish?

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

GENERAL OBSERVATORY COMMENT BY waters: Sun Dec 11 20:03:41 GMT 2016

Clouds have built up on Saddle and are now covering most on Mauna Kea except the very top. Will keep a close eye on it as it's traveling just East of the weather station.

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

Sun Dec 11 20:40:33 GMT 2016 KCOR End Patrol

Sun Dec 11 20:40:43 GMT 2016 CoMP Paused for clouds

Sun Dec 11 20:42:50 GMT 2016 SGS Alignment complete

Sun Dec 11 20:42:51 GMT 2016 KCOR Start Synoptic Patrol

Sun Dec 11 20:43:00 GMT 2016 CoMP Restarted from pause

GENERAL OBSERVATORY COMMENT BY waters: Sun Dec 11 20:43:18 GMT 2016

Kcor realigned

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

Sun Dec 11 20:51:41 GMT 2016 KCOR End Patrol

Sun Dec 11 20:51:54 GMT 2016 CoMP Paused for clouds

GENERAL OBSERVATORY COMMENT BY waters: Sun Dec 11 20:53:51 GMT 2016  
Fog has rolled in, instruments idled and dome closed.

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

Sun Dec 11 21:43:49 GMT 2016 CoMP Restarted from pause

Sun Dec 11 21:43:52 GMT 2016 KCOR Start Synoptic Patrol

GENERAL OBSERVATORY COMMENT BY waters: Sun Dec 11 21:44:01 GMT 2016

Fog has gone and instruments restarted. Will keep an eye out, as the wind has picked up and there are clouds just to the S  
outheast that may get in the Suns' path.

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

Sun Dec 11 21:52:03 GMT 2016 KCOR End Patrol

Sun Dec 11 21:52:24 GMT 2016 CoMP Paused for clouds

GENERAL OBSERVATORY COMMENT BY waters: Sun Dec 11 21:55:55 GMT 2016

Cloud descended as fog, instruments idled and dome closed.

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

Sun Dec 11 22:13:54 GMT 2016 SGS Alignment complete

Sun Dec 11 22:14:00 GMT 2016 CoMP Restarted from pause

Sun Dec 11 22:14:03 GMT 2016 KCOR Start Synoptic Patrol

GENERAL OBSERVATORY COMMENT BY waters: Sun Dec 11 22:14:12 GMT 2016

Hopefully, this window will last longer.

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

Sun Dec 11 22:15:32 GMT 2016 KCOR End Patrol

Sun Dec 11 22:15:33 GMT 2016 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20150323.ini

Sun Dec 11 22:32:50 GMT 2016 KCOR End Calibration Script

Sun Dec 11 22:33:07 GMT 2016 KCOR Start Synoptic Patrol

Sun Dec 11 22:33:08 GMT 2016 KCOR Start Synoptic Patrol

Sun Dec 11 22:46:25 GMT 2016 KCOR End Patrol

Sun Dec 11 22:46:59 GMT 2016 CoMP Paused for clouds

Sun Dec 11 22:47:27 GMT 2016 CoMP Restarted from pause

Sun Dec 11 22:48:24 GMT 2016 KCOR Start Synoptic Patrol

Sun Dec 11 22:49:11 GMT 2016 KCOR End Patrol

Sun Dec 11 22:51:24 GMT 2016 KCOR Start Synoptic Patrol

Sun Dec 11 22:52:41 GMT 2016 KCOR End Patrol

Sun Dec 11 22:53:39 GMT 2016 CoMP Paused for clouds

GENERAL OBSERVATORY COMMENT BY waters: Sun Dec 11 22:55:43 GMT 2016

Clouds coming in from all around and coming in low, instruments idled and dome closed.

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

Sun Dec 11 23:19:47 GMT 2016 CoMP Restarted from pause

Sun Dec 11 23:19:53 GMT 2016 KCOR Start Synoptic Patrol

Sun Dec 11 23:22:07 GMT 2016 COMP End Patrol

Sun Dec 11 23:22:52 GMT 2016 CoMP occulter has been re-centered

Sun Dec 11 23:22:55 GMT 2016 COMP Start Patrol on cookbook: synoptic-00007.cbk

WEATHER COMMENT: waters: Mon Dec 12 00:17:06 GMT 2016

Temp 49F with windspeed at about 15mph from the West-Southwest. Keeping a close eye on the wind.

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

Mon Dec 12 01:56:31 GMT 2016 KCOR End Patrol

Mon Dec 12 01:56:51 GMT 2016 CoMP Paused for clouds

GENERAL OBSERVATORY COMMENT BY waters: Mon Dec 12 01:57:46 GMT 2016

A cloud passed over the Sun but has passed now, restarting instruments

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

Mon Dec 12 01:58:58 GMT 2016 COMP Restarted from pause

Mon Dec 12 01:59:44 GMT 2016 KCOR Start Synoptic Patrol

Mon Dec 12 02:06:21 GMT 2016 COMP End Patrol

Mon Dec 12 02:06:21 GMT 2016 COMP Start Patrol on cookbook: waves-00001.cbk

Mon Dec 12 02:22:55 GMT 2016 KCOR End Patrol

Mon Dec 12 02:23:16 GMT 2016 COMP End Patrol

GENERAL OBSERVATORY COMMENT BY waters: Mon Dec 12 02:28:56 GMT 2016

Besides the intermitent clouds in the middle of the day, it was quite lovely up here.

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