
Mauna Loa Solar Observatory Observer's Log

Fri Dec 15 17:10:53 GMT 2017

Year: 17 Doy: 349

Observer: waters

WEATHER COMMENT: waters: Fri Dec 15 17:13:51 GMT 2017

Temp 36F with windspeed at about 5-10mph from the West. A clear sky greets us this morning.

____end____

Fri Dec 15 17:21:05 GMT 2017 Kcor Focus/alignment program exited

GENERAL COMMENT BY waters: Fri Dec 15 17:34:33 GMT 2017

PM Blew off Kcor 01

____end____

GENERAL COMMENT BY waters: Fri Dec 15 17:34:37 GMT 2017

PM Blew off CoMP 01

____end____

Fri Dec 15 17:36:20 GMT 2017 Kcor Focus/alignment program exited

Fri Dec 15 17:36:26 GMT 2017 Kcor Focus/alignment program exited

Fri Dec 15 17:36:33 GMT 2017 Kcor Focus/alignment program exited

Fri Dec 15 17:36:41 GMT 2017 Kcor Focus/alignment program exited

Fri Dec 15 17:49:02 GMT 2017 SGS Alignment complete

Fri Dec 15 17:49:38 GMT 2017 CoMP occulter has been re-centered

Fri Dec 15 17:50:29 GMT 2017 Kcor Focus/alignment program exited

Fri Dec 15 17:51:12 GMT 2017 COMP Start Patrol on cookbook: synoptic-00010.cbk

KCOR COMMENT BY waters: Fri Dec 15 18:00:46 GMT 2017

Sky is a bit bright for Kcor at the moment. Will wait a bit before hitting Science.

____end____

Fri Dec 15 18:22:49 GMT 2017 KCOR Start Synoptic Patrol

GENERAL COMMENT BY waters: Fri Dec 15 18:24:49 GMT 2017

Taking science with Kcor, not particularly nice data but you can see the corona.

____end____

Fri Dec 15 20:02:26 GMT 2017 KCOR End Patrol

Fri Dec 15 20:02:51 GMT 2017 COMP End Patrol

Fri Dec 15 20:04:01 GMT 2017 SGS Alignment complete

Fri Dec 15 20:10:23 GMT 2017 Kcor Focus/alignment program exited

CoMP COMMENT BY waters: Fri Dec 15 20:27:49 GMT 2017

CoMP was religned to better accomodate occulter position on array.

Camera lens was moved in X-Y

Camera was rotated slightly (1-2degrees) counter clockwise to better orientate the images on the camera.

Occulter post was turned slightly to give counter clockwise to give rounder annulus around the occulter.

____end____

Fri Dec 15 20:28:33 GMT 2017 KCOR Start Synoptic Patrol

Fri Dec 15 20:29:16 GMT 2017 CoMP occulter has been re-centered

Fri Dec 15 20:29:26 GMT 2017 COMP Start Patrol on cookbook: waves-00003.cbk

GENERAL COMMENT BY waters: Fri Dec 15 20:34:09 GMT 2017

Windows computers time source set to UH time servers.

____end____

Fri Dec 15 22:01:01 GMT 2017 KCOR End Patrol

Fri Dec 15 22:01:20 GMT 2017 COMP End Patrol

Fri Dec 15 22:02:52 GMT 2017 SGS Alignment complete

Fri Dec 15 22:02:58 GMT 2017 KCOR Start Synoptic Patrol

Fri Dec 15 22:03:45 GMT 2017 CoMP occulter has been re-centered

Fri Dec 15 22:03:47 GMT 2017 COMP Start Patrol on cookbook: synoptic-00010.cbk

Sat Dec 16 00:05:40 GMT 2017 KCOR End Patrol

Sat Dec 16 00:06:48 GMT 2017 CoMP Paused for clouds

GENERAL COMMENT BY waters: Sat Dec 16 00:07:22 GMT 2017

A bit of cirrus passing through, instruments idled for a bit.

____end____

Sat Dec 16 00:12:56 GMT 2017 KCOR Start Synoptic Patrol

Sat Dec 16 00:13:01 GMT 2017 CoMP Restarted from pause

Sat Dec 16 00:25:09 GMT 2017 KCOR End Patrol

Sat Dec 16 00:27:55 GMT 2017 CoMP Paused for clouds
GENERAL COMMENT BY waters: Sat Dec 16 00:28:07 GMT 2017
Passing clouds again, instruments idled.

____end____

Sat Dec 16 00:42:22 GMT 2017 KCOR Start Synoptic Patrol
Sat Dec 16 00:42:26 GMT 2017 CoMP Restarted from pause
Sat Dec 16 00:45:41 GMT 2017 KCOR End Patrol
Sat Dec 16 00:46:07 GMT 2017 CoMP Paused for clouds
Sat Dec 16 00:58:09 GMT 2017 KCOR Start Synoptic Patrol
Sat Dec 16 00:58:13 GMT 2017 CoMP Restarted from pause
Sat Dec 16 01:03:24 GMT 2017 KCOR End Patrol
Sat Dec 16 01:04:00 GMT 2017 CoMP Paused for clouds
GENERAL COMMENT BY waters: Sat Dec 16 01:07:02 GMT 2017
Closing the dome for fog.

____end____

Sat Dec 16 01:23:36 GMT 2017 Kcor Focus/alignment program exited
KCOR COMMENT BY berkey: Sat Dec 16 01:39:08 GMT 2017
Looking at the mc4u configuration on the Kcor 01.

I think I accidentally made a change to the feedback topology during the 01 when I made the prox changes on Nov 27th.

I believe at that time I must have set the topology to "Verification, on load -open loop".

While I think the correct topology (as delivered with the kcor 01) is "single, on load".

As a test we made the change back to "single, on load", and took the spar back to zenith to see if we could get the 01 to slip (like we observed it slipping during a similar test before start up this morning).

I think this solves (and explains) the issue Lisa has been having at startup; where she gets a SPii exception error due to the 01 slipping off of its commanded position and generating a Mc4u encoder error. It seems like Lisa was the only one experiencing this error because she was the only one of us passing the spar thru zenith on morning startup. I believe Allen and I tend to take a more direct path from the part position to morning startup. Good find Lisa.

____end____

Sat Dec 16 02:17:53 GMT 2017 CoMP Restarted from pause
Sat Dec 16 02:17:54 GMT 2017 CoMP End Patrol