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-------------------------------------------------------------------------------
             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 O1
___end___
GENERAL COMMENT BY waters: Fri Dec 15 17:34:37 GMT 2017
PM Blew off CoMP O1
___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 accomidate 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 slighting 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.
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___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 o1.

I think I accidently made a change to the feedback topology during the O1 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 deleivered with the kcor o1) 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 O1 to
slip (like we observed it slilpping 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 expection error due to
 the O1 slipping off of of its commanded position and generating a Mc4u encoder error.    It seems like Lisa was the only
one experincing this error becasue she was the only one of us passing the spar thru zenith on morning startup. I believe A
llen and I tend to take a more direct path fo rmthe 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