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------------------------------------------------------------------------
          Mauna Loa Solar Observatory Observer's Log
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        Mon Dec 11 16:36:55 GMT 2017
Year: 17  Doy: 345
Observer: waters
WEATHER COMMENT: waters: Mon Dec 11 17:06:59 GMT 2017
Temp 39F with windspeed at about 5-10mph from the South. Bands of cirrus across the sky, most on the Eastern horizon at th
e moment. Will wait to start up instruments.
___end___
GENERAL COMMENT BY waters: Mon Dec 11 17:22:40 GMT 2017
PM Blew off Kcor O1
___end___
GENERAL COMMENT BY waters: Mon Dec 11 17:22:44 GMT 2017
PM Blew off CoMP O1
___end___
**KCOR PROBLEM COMMENT BY waters** : Mon Dec 11 17:30:29 GMT 2017
Got an error exception again with Kcor SPii. O1 slide back and is sitting on the bolt that was installed. Currently Ben is
 taking a look and troubleshooting it.

Exception occured in SPiiPlusCOM660.Channel.1: Code 130, Timeout expired in K-Cor -ACS_ Enable.vi->K-Cor-Mechanism-Get Mec
h Position.vi->Focus.vi
___end___
Mon Dec 11 18:05:22 GMT 2017 Kcor Focus/alignment program exited
Mon Dec 11 18:06:12 GMT 2017 Kcor Focus/alignment program exited
Mon Dec 11 18:07:45 GMT 2017 Kcor Focus/alignment program exited
KCOR COMMENT BY waters: Mon Dec 11 18:11:12 GMT 2017
Ended up moving the O1 manually and then rebooting SPii from the computer.
___end___
Mon Dec 11 20:09:16 GMT 2017 SGS Alignment complete
Mon Dec 11 20:10:19 GMT 2017 Kcor Focus/alignment program exited
Mon Dec 11 20:13:43 GMT 2017 CoMP occulter has been re-centered
GENERAL COMMENT BY waters: Mon Dec 11 20:14:00 GMT 2017
Sucker hole, delaying start up.
___end___
Mon Dec 11 20:48:42 GMT 2017 Testing the amount of time it takes for CoMP to send a comment to the log if the VPN is conne
cted to boulder.
Mon Dec 11 20:49:26 GMT 2017 Testing the amount of time it takes for CoMP to send a comment to the log if the VPN is conne
cted to boulder.
Mon Dec 11 20:53:49 GMT 2017 SGS Alignment complete
Mon Dec 11 20:53:44 GMT 2017 KCOR Start Synoptic Patrol
Mon Dec 11 20:54:41 GMT 2017 CoMP occulter has been re-centered
Mon Dec 11 20:56:09 GMT 2017 COMP Start Patrol on cookbook: synoptic-00010.cbk
Mon Dec 11 20:58:54 GMT 2017 KCOR End Patrol
Mon Dec 11 20:58:55 GMT 2017 KCOR Start Synoptic Patrol
Mon Dec 11 20:58:56 GMT 2017 KCOR End Patrol
GENERAL COMMENT BY waters: Mon Dec 11 20:59:35 GMT 2017
Sucker hole, instruments idled.
```

___end___
Mon Dec 11 21:00:16 GMT 2017 CoMP Paused for clouds
Mon Dec 11 21:29:25 GMT 2017 CoMP Restarted from pause
Mon Dec 11 21:33:33 GMT 2017 KCOR Start Synoptic Patrol
Mon Dec 11 22:06:08 GMT 2017 KCOR End Patrol
Mon Dec 11 22:07:01 GMT 2017 KCOR Start Synoptic Patrol
GENERAL COMMENT BY waters: Mon Dec 11 22:07:04 GMT 2017
Some light cirrus passing, pushing through it.
___end___
Mon Dec 11 22:07:42 GMT 2017 KCOR End Patrol
Mon Dec 11 22:08:29 GMT 2017 KCOR Start Synoptic Patrol
Mon Dec 11 22:15:34 GMT 2017 KCOR End Patrol
Mon Dec 11 22:16:03 GMT 2017 KCOR Start Synoptic Patrol
Mon Dec 11 22:41:44 GMT 2017 KCOR End Patrol
Mon Dec 11 22:43:48 GMT 2017 CoMP Paused for clouds
GENERAL COMMENT BY waters: Mon Dec 11 22:43:30 GMT 2017
Thicker cirrus passing, instruments idled.
___end___
Mon Dec 11 23:01:32 GMT 2017 KCOR Start Synoptic Patrol
Mon Dec 11 23:02:11 GMT 2017 CoMP Restarted from pause
Mon Dec 11 23:10:31 GMT 2017 KCOR End Patrol
Mon Dec 11 23:12:19 GMT 2017 CoMP Paused for clouds
GENERAL COMMENT BY waters: Mon Dec 11 23:12:45 GMT 2017
Cirrus crossingm, instruments idled.
___end___
Tue Dec 12 00:16:19 GMT 2017 SGS Alignment complete
Tue Dec 12 00:16:12 GMT 2017 KCOR Start Synoptic Patrol
Tue Dec 12 00:16:51 GMT 2017 CoMP Restarted from pause
Tue Dec 12 00:32:35 GMT 2017 KCOR End Patrol
Tue Dec 12 00:34:00 GMT 2017 CoMP Paused for clouds
Tue Dec 12 01:02:14 GMT 2017 CoMP Restarted from pause
Tue Dec 12 01:02:15 GMT 2017 COMP End Patrol
GENERAL COMMENT BY waters: Tue Dec 12 01:29:51 GMT 2017
The spar RA is oscillating between 50 and -100 arcseconds. Wind is between 13-18mph from the West. I put in the Polarizer
and the diffuser to start back up Kcor and it seems to have triggered it. I just took them out of beam and it stopped osci
llating. Currently going to look at the balance of the spar.
___end___
GENERAL COMMENT BY waters: Tue Dec 12 02:22:02 GMT 2017
We checked the balance of the RA pointing at start-up, noon, and end of day positions. We did this with all optics in vs a
ll optics out. We ended up adding five pounds to the back of the spar. This seemed to eliminate the oscillation that I was
 seeing with all optics in in the afternoon position. Granted, the CoMP dewar is not filled, so this may change. We also c
hecked the balance of the dec, which seemed fine. We might have tightened the dec a bit more than what it was at before.
___end___