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Mauna Loa Solar Observatory Observer's Log  
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Thu Oct 24 16:32:48 GMT 2019

Year: 19 Doy: 297

Observer: waters

WEATHER COMMENT: waters: Thu Oct 24 16:43:20 GMT 2019

Temp 41F with windspeed at about 9-14mph from the South-Southwest. Sky looks clear with a band of cirrus low in the West.

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

GENERAL COMMENT BY waters: Thu Oct 24 16:49:30 GMT 2019

PM Blew off Kcor 01

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

GENERAL OBSERVATORY COMMENT BY waters: Thu Oct 24 16:49:31 GMT 2019

Windows opened upstairs

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

KCOR COMMENT BY waters: Thu Oct 24 17:20:23 GMT 2019

Kcor above dome

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

Thu Oct 24 17:21:29 GMT 2019 SGS Alignment complete

Thu Oct 24 17:22:34 GMT 2019 Kcor Focus/alignment program exited

Thu Oct 24 17:23:52 GMT 2019 SGS Alignment complete

Thu Oct 24 17:23:48 GMT 2019 KCOR Start Synoptic Patrol

Thu Oct 24 17:50:15 GMT 2019 KCOR End Patrol

Thu Oct 24 17:50:32 GMT 2019 SGS Alignment complete

Thu Oct 24 17:50:30 GMT 2019 KCOR Start Synoptic Patrol

Thu Oct 24 18:11:43 GMT 2019 KCOR End Patrol

Thu Oct 24 18:12:04 GMT 2019 SGS Alignment complete

Thu Oct 24 18:12:01 GMT 2019 KCOR Start Synoptic Patrol

GENERAL OBSERVATORY COMMENT BY waters: Thu Oct 24 18:17:19 GMT 2019

Cirrus passing, pushing through it

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

Thu Oct 24 19:22:03 GMT 2019 KCOR End Patrol

Thu Oct 24 19:22:20 GMT 2019 SGS Alignment complete

Thu Oct 24 19:22:18 GMT 2019 KCOR Start Synoptic Patrol

Thu Oct 24 19:32:44 GMT 2019 KCOR End Patrol

Thu Oct 24 19:32:45 GMT 2019 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Thu Oct 24 19:39:31 GMT 2019 KCOR ABORT Calibration Script

Thu Oct 24 19:39:48 GMT 2019 KCOR Start Synoptic Patrol

Thu Oct 24 19:39:49 GMT 2019 KCOR Start Synoptic Patrol

Thu Oct 24 19:40:38 GMT 2019 KCOR End Patrol

GENERAL OBSERVATORY COMMENT BY waters: Thu Oct 24 19:39:25 GMT 2019

RA droppped drastically to -2000arcsec shortly after the calibrations started. Aborted calibration and went upstairs to take a look. Turns out the back loop on the handle had caught on the top bolt of the wiring box next to the dome rotators. Will wait a bit before trying calibrations again.

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

Thu Oct 24 19:45:13 GMT 2019 KCOR Start Synoptic Patrol

Thu Oct 24 19:50:22 GMT 2019 KCOR End Patrol

Thu Oct 24 19:50:44 GMT 2019 SGS Alignment complete

Thu Oct 24 19:50:41 GMT 2019 KCOR Start Synoptic Patrol  
Thu Oct 24 20:07:18 GMT 2019 KCOR End Patrol  
Thu Oct 24 20:07:19 GMT 2019 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini  
Thu Oct 24 20:22:34 GMT 2019 KCOR End Calibration Script  
Thu Oct 24 20:22:51 GMT 2019 KCOR Start Synoptic Patrol  
Thu Oct 24 20:22:52 GMT 2019 KCOR Start Synoptic Patrol  
Thu Oct 24 20:56:30 GMT 2019 KCOR End Patrol  
Thu Oct 24 20:59:38 GMT 2019 KCOR Start Synoptic Patrol  
GENERAL OBSERVATORY COMMENT BY waters: Thu Oct 24 20:57:51 GMT 2019  
RA just dropped again to -2000arcsec before correcting itself. Went upstairs to check the spar to see if it wa caught on a nything again but it was clear and the cables didn't seem tight to me. Not sure what happened.  
\_\_\_\_end\_\_\_\_  
Thu Oct 24 21:08:56 GMT 2019 KCOR End Patrol  
Thu Oct 24 21:15:18 GMT 2019 SGS Alignment complete  
Thu Oct 24 21:15:16 GMT 2019 KCOR Start Synoptic Patrol  
GENERAL OBSERVATORY COMMENT BY waters: Thu Oct 24 21:10:09 GMT 2019  
RA dropped well below -2000arsec before stopping. Ran up stairs and again checked, nothing looked stuck, nothing seemed ti ght. I did notice that the worm gear was just moving really fast and then slowed to the usually crawl when it's tracking. Not sure what is going on but it looks like the worm gear is slipping?  
\_\_\_\_end\_\_\_\_  
Thu Oct 24 21:38:22 GMT 2019 KCOR End Patrol  
Thu Oct 24 21:38:44 GMT 2019 SGS Alignment complete  
Thu Oct 24 21:38:40 GMT 2019 KCOR Start Synoptic Patrol  
Thu Oct 24 21:40:40 GMT 2019 KCOR End Patrol  
GENERAL OBSERVATORY COMMENT BY waters: Thu Oct 24 21:40:45 GMT 2019  
Sky getting bright, Kcor stopped for now.  
\_\_\_\_end\_\_\_\_  
GENERAL OBSERVATORY COMMENT BY waters: Thu Oct 24 21:50:08 GMT 2019  
Looks like cirrus has moved in from the West-Southwest. Hoping it passes quickly  
\_\_\_\_end\_\_\_\_  
GENERAL OBSERVATORY COMMENT BY waters: Thu Oct 24 23:48:49 GMT 2019  
Some low clouds are coming in, closing the dome just in case.  
\_\_\_\_end\_\_\_\_  
GENERAL OBSERVATORY COMMENT BY waters: Fri Oct 25 02:54:52 GMT 2019  
Lots of aerosols at start up and cirrus, clouds and fog moved in around 11:40HST. Hope tomorrow is better.  
\_\_\_\_end\_\_\_\_  
ONSITE STAFF: waters