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Mauna Loa Solar Observatory Observer's Log  
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Mon Dec 31 17:01:49 GMT 2018

Year: 18 Doy: 365

Observer: waters

WEATHER COMMENT: waters: Mon Dec 31 17:13:14 GMT 2018

Temp 42F with windspeed at about 26-32mph from the South. NOAA wind guage is reading 34mph and above from the South. There are a few scattered cirrus on the Southeastern horizon, otherwise the sky is clear. Will wait for the wind to calm down before opening.

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

GENERAL OBSERVATORY COMMENT BY waters: Mon Dec 31 18:31:41 GMT 2018

Clouds are starting to come over the Southeast ridge and there's a bit of moisture in the air at the moment.

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

GENERAL OBSERVATORY COMMENT BY waters: Mon Dec 31 19:36:45 GMT 2018

Wind has almost calmed down. Should be able to start taking data soon.

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

GENERAL OBSERVATORY COMMENT BY waters: Mon Dec 31 19:54:28 GMT 2018

Left part of the top shutter down and keeping the lower shutter closed. Waiting for K-cor to get above bottom shutter.

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

GENERAL OBSERVATORY COMMENT BY waters: Mon Dec 31 20:00:50 GMT 2018

Unplugged and replugged in Shabar.

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

GENERAL COMMENT BY waters: Mon Dec 31 20:04:20 GMT 2018

PM Blew off Kcor 01

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

GENERAL OBSERVATORY COMMENT BY waters: Mon Dec 31 20:01:28 GMT 2018

Only West window opened upstairs.

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

Mon Dec 31 20:14:29 GMT 2018 Kcor Focus/alignment program exited

Mon Dec 31 20:18:40 GMT 2018 KCOR Start Synoptic Patrol

Mon Dec 31 20:18:58 GMT 2018 SGS Alignment complete

Mon Dec 31 20:46:02 GMT 2018 KCOR End Patrol

Mon Dec 31 20:46:03 GMT 2018 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Mon Dec 31 21:01:21 GMT 2018 KCOR End Calibration Script

Mon Dec 31 21:01:39 GMT 2018 KCOR Start Synoptic Patrol

Mon Dec 31 21:01:40 GMT 2018 KCOR Start Synoptic Patrol

Mon Dec 31 21:02:55 GMT 2018 KCOR End Patrol

Mon Dec 31 21:03:08 GMT 2018 KCOR Start Synoptic Patrol

Mon Dec 31 21:03:27 GMT 2018 SGS Alignment complete

Mon Dec 31 21:31:06 GMT 2018 KCOR End Patrol

Mon Dec 31 21:31:37 GMT 2018 SGS Alignment complete

Mon Dec 31 21:31:18 GMT 2018 KCOR Start Synoptic Patrol

Mon Dec 31 22:11:22 GMT 2018 KCOR End Patrol

Mon Dec 31 22:14:41 GMT 2018 KCOR Start Synoptic Patrol

Mon Dec 31 22:19:45 GMT 2018 KCOR End Patrol

Mon Dec 31 22:20:20 GMT 2018 SGS Alignment complete

Mon Dec 31 22:20:02 GMT 2018 KCOR Start Synoptic Patrol

GENERAL OBSERVATORY COMMENT BY waters: Mon Dec 31 22:11:04 GMT 2018

Spar drifted in declination towards the South. When I tried to correct it, it would drift again. It felt like the gears were slipping, as if there was no grip or as if the clutch had been released. Held it on the Sun for about 15-20 seconds and it was able to guide again. Nothing was being pulled and the spar did not hit anything. Not too sure what happened.

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

Tue Jan 01 01:35:36 GMT 2019 KCOR End Patrol

Tue Jan 01 01:36:17 GMT 2019 SGS Alignment complete

Tue Jan 01 01:35:58 GMT 2019 KCOR Start Synoptic Patrol

Tue Jan 01 02:47:47 GMT 2019 KCOR End Patrol

GENERAL OBSERVATORY COMMENT BY waters: Tue Jan 1 02:45:37 GMT 2019

Dome blocked kcor

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

Tue Jan 01 02:49:04 GMT 2019 KCOR Start Synoptic Patrol

Tue Jan 01 02:53:46 GMT 2019 KCOR End Patrol

GENERAL OBSERVATORY COMMENT BY waters: Tue Jan 1 02:54:48 GMT 2019

Besides the wind this morning, it was a good day for data.

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

ONSITE STAFF: waters