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Mauna Loa Solar Observatory Observer's Log  
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Tue Feb 4 16:28:31 GMT 2020

Year: 20 Doy: 035

Observer: waters

WEATHER COMMENT: waters: Tue Feb 04 17:14:02 GMT 2020

Temp 35.2f with windspeed at about 10-15mph from the South-Southwest. Sky looks clear.

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

GENERAL COMMENT BY waters: Tue Feb 04 17:19:36 GMT 2020

PM Blew off Kcor O1

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

GENERAL COMMENT BY waters: Tue Feb 04 17:19:46 GMT 2020

Windows opened upstairs

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

KCOR COMMENT BY waters: Tue Feb 04 17:58:04 GMT 2020

Kcor above dome

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

Tue Feb 04 17:58:51 GMT 2020 Kcor Focus/alignment program exited

Tue Feb 04 18:03:03 GMT 2020 KCOR Start Synoptic Patrol

GENERAL COMMENT BY waters: Tue Feb 04 18:05:31 GMT 2020

Did an extra blowing off of the Kcor O1 front when the Sun fully illuminated it to try and address the bullet holes from yesterday. Two of the holes look like the ones I pointed out of Sunday that didn't go away after blowing off the lens. We will see what the NRGFs look like but if this doesn't help, we may need another washing.

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

GENERAL COMMENT BY waters: Tue Feb 04 18:21:39 GMT 2020

Looks like I was able to get most of the bullet holes off except the ones in the East and Southeast as before.

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

GENERAL COMMENT BY waters: Tue Feb 04 18:41:24 GMT 2020

Only the NRGF stream has popped up this morning.

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

GONG COMMENT BY waters: Tue Feb 04 18:44:41 GMT 2020

Heading down to the GONG shelter to do the actual logic board switch, as I did the inverter board last week.

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

GONG COMMENT BY waters: Tue Feb 04 19:45:43 GMT 2020

As Allen noticed, we do not have a spare logic board on site to do the swap that GONG requested.

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

GENERAL COMMENT BY waters: Tue Feb 04 19:51:09 GMT 2020

Looking real hard at the NRGFs', it seems like what I blew off this morning did not actually help as I can faintly see a bullet hole in the Northeast-North part of the images.

Unfortunately, I do not feel comfortable blowing off the back side of the O1.

Going to try another blow off of the front of the O1 to see if I can address those bullet holes.

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

Tue Feb 04 19:51:02 GMT 2020 KCOR End Patrol

Tue Feb 04 19:51:11 GMT 2020 KCOR End Patrol

Tue Feb 04 19:57:27 GMT 2020 KCOR Start Synoptic Patrol

KCOR COMMENT BY waters: Tue Feb 04 20:02:40 GMT 2020

I can still faintly see the bullet hole in the Northeast North part of the images. I think the O1 needs to be washed...

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

Tue Feb 04 20:39:23 GMT 2020 KCOR End Patrol

Tue Feb 04 20:39:23 GMT 2020 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Tue Feb 04 20:54:38 GMT 2020 KCOR End Calibration Script

Tue Feb 04 20:54:54 GMT 2020 KCOR Start Synoptic Patrol

Tue Feb 04 20:54:55 GMT 2020 KCOR Start Synoptic Patrol

GPS COMMENT by MLSO: Tue Feb 04 21:45:07 GMT 2020

Successfully logged in to system

Good disk mount

GPS software running

Last 5 GPS data files are:

dataout\_2020\_034\_2226.bin 97105816

dataoutiq\_2020\_031\_2226.bin 2147483647

dataoutiq\_2020\_032\_2226.bin 2147483647

dataoutiq\_2020\_033\_2226.bin 2147483647

dataoutiq\_2020\_034\_2226.bin 2147483647

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

Tue Feb 04 22:13:21 GMT 2020 KCOR End Patrol

GENERAL COMMENT BY waters: Tue Feb 04 22:15:01 GMT 2020

Clouds seem to b passing, kcor stopped

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

Tue Feb 04 22:16:50 GMT 2020 KCOR Start Synoptic Patrol

Tue Feb 04 22:26:04 GMT 2020 KCOR End Patrol

Tue Feb 04 22:26:08 GMT 2020 KCOR End Patrol

GENERAL COMMENT BY waters: Tue Feb 04 22:38:33 GMT 2020

Some clouds are looking a little low, closing the dome just in case

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

WEATHER COMMENT: waters: Wed Feb 05 02:19:35 GMT 2020

Not too bad this morning and the aerosols started to get a little bad when I had to stop for clouds. Unfortunately, no data in the afternoon. Here's hoping tomorrow is better.

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

ONSITE STAFF: waters