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Mauna Loa Solar Observatory Observer's Log

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Tue Feb 11 18:21:26 GMT 2020

Year: 20 Doy: 042

Observer: waters

GENERAL COMMENT BY waters: Tue Feb 11 18:22:26 GMT 2020

Made it!

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

WEATHER COMMENT: waters: Tue Feb 11 18:27:27 GMT 2020

Temp 31F with windspeed at about 18-23mph from the West-Southwest. Road was icy about 4 miles out of the observatory; waited until 8am for it to melt. Was able to get to the public parking but no further, walked up the rest of the way. Snow is about 1-2 inches thick in some places and everything is covered in a thick ice. Sky looks clear; Kcor temp around 29C, will wait a bit for it to warm up before opening. Also, for the sounds of ice falling to calm a little.

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

GENERAL COMMENT BY waters: Tue Feb 11 18:41:27 GMT 2020

Took a look at the dome, the track is covered in thick ice. Went to try and move it a little bit and it moved a centimeter but then stopped with the motor straining to move. Will have to wait for the track to melt before opening.

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

GENERAL COMMENT BY waters: Tue Feb 11 18:48:47 GMT 2020

Going down to un-stow GONG.

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

GENERAL COMMENT BY waters: Tue Feb 11 19:10:56 GMT 2020

Was able to rotate the dome but no ice dislodged from it; currently have the track encased in ice facing the Sun now. Hoping it melts soon. Thanks Ben!

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

GENERAL COMMENT BY waters: Tue Feb 11 19:41:31 GMT 2020

Checked the dome, was able to open it about a foot before it stopped this time.

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

GENERAL COMMENT BY waters: Tue Feb 11 20:27:33 GMT 2020

Fog bank moving across just South of the observatory.

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

GENERAL COMMENT BY waters: Tue Feb 11 21:04:50 GMT 2020

Lower shutter is not opening properly, opened a little bit but then wouldn't close. Tried to open it a little bit more then to close it. Seems liked that helped but once the top track is cleared, will rotate the dome again and hopefully get the bottom shutter to open properly.

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

GENERAL COMMENT BY waters: Tue Feb 11 21:30:08 GMT 2020

There's some snow in the dome, by the dome rotator motor and by some pin holes on the opposite side of the shutter.

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

GENERAL COMMENT BY waters: Tue Feb 11 21:30:59 GMT 2020

PM Blew off Kcor 01

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

GENERAL COMMENT BY waters: Tue Feb 11 21:31:01 GMT 2020

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

GENERAL COMMENT BY waters: Tue Feb 11 21:31:12 GMT 2020

Windows opened upstairs

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

Tue Feb 11 21:32:46 GMT 2020 Kcor Focus/alignment program exited  
Tue Feb 11 21:33:57 GMT 2020 KCOR Start Synoptic Patrol

GPS COMMENT by MLSO: Tue Feb 11 21:45:07 GMT 2020

Successfully logged in to system

Good disk mount

GPS software running

Last 5 GPS data files are:

dataoutiq\_2020\_037\_2226.bin 2147483647  
dataoutiq\_2020\_038\_2226.bin 2147483647

dataoutiq\_2020\_039\_2226.bin 2147483647

dataoutiq\_2020\_040\_2226.bin 2147483647

dataoutiq\_2020\_041\_2145.bin 2147483647

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

Tue Feb 11 21:57:53 GMT 2020 KCOR End Patrol

Tue Feb 11 21:57:53 GMT 2020 KCOR End Patrol

GENERAL COMMENT BY waters: Tue Feb 11 21:58:29 GMT 2020

Clouds crossing, Kcor stopped

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

Tue Feb 11 22:02:30 GMT 2020 KCOR Start Synoptic Patrol

Tue Feb 11 22:03:25 GMT 2020 KCOR End Patrol

Tue Feb 11 22:03:27 GMT 2020 KCOR End Patrol

GENERAL COMMENT BY waters: Tue Feb 11 22:05:46 GMT 2020

Clouds crossing again and this batch looks low, closing dome just in case

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

WEATHER COMMENT: waters: Tue Feb 11 22:17:53 GMT 2020

Things were starting to warm up, got to about 37F but now the temperature is starting to drop. Currently at 35F; will keep an eye on thingys.

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

Wed Feb 12 00:10:52 GMT 2020 Kcor Focus/alignment program exited

Wed Feb 12 00:11:25 GMT 2020 KCOR Start Synoptic Patrol

Wed Feb 12 02:23:05 GMT 2020 KCOR End Patrol

GENERAL COMMENT BY waters: Wed Feb 12 02:27:48 GMT 2020

This morning was interesting; after the delay a few passing clouds, this afternoon was very nice with a low amount of aerosols.

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

ONSITE STAFF: waters