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Mauna Loa Solar Observatory Observer's Log  
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Sun Feb 12 16:24:49 GMT 2017

Year: 17 Doy: 043

Observer: waters

WEATHER COMMENT: waters: Sun Feb 12 16:24:54 GMT 2017

Temp is 36F with windspeed at about 12-17mph from the South-Southwest. Road was frosty around 10,500ft but at 11,000ft the road turned a more bumpy icy. Ended parking at the public parking as the car could not make it to the NOAA parking lot. The board walk was icy, had to walk on the lava and in some areas, there is quite a bit of snow but otherwise a light dusting. The door facing the South and West are frozen shut (the lock on the door to the upper dome has ice coming out of it).

The sky is clear and hopefully will warm up enough so I can access the instruments.

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

GENERAL OBSERVATORY COMMENT BY waters: Sun Feb 12 16:30:52 GMT 2017

It looks like we lost power last night but it seems to be only about ten minutes because the 'Intelligent Power Protector' notification says we were powered by the utility within ten minutes of the power outage. Lots of fun and exciting things this morning.

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

GENERAL OBSERVATORY COMMENT BY waters: Sun Feb 12 17:18:30 GMT 2017

With the Sun up, there was about an half an inch to an inch of ice in front of the door facing West. Was able to chisel out the ice that was preventing me from opening the door. The door facing South/upper dome door has a good amount of ice on it. Was able to get the ice that was on the bottom ledge of the door but the ice in the lock is giving me a bit of trouble. Will keep at it for a bit.

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

GENERAL OBSERVATORY COMMENT BY waters: Sun Feb 12 17:53:29 GMT 2017

Was finally able to open the door to the upper dome. Unfortunately, there is ice in the dog house. I took a look around the main dome area but I did not see any ice or damp spots either on the floor or on the rim of the dome. I am hearing some cracks, as if ice on the dome is warming and falling off.

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

WEATHER COMMENT: waters: Sun Feb 12 18:00:16 GMT 2017

Every once in a while, we are getting some gusts of wind up to 25mph from the South-Southwest. I'll hold off on opening the dome until the wind has calmed down a bit, which looks like it shouldn't be too long from now.

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

Sun Feb 12 19:05:00 GMT 2017 Kcor Focus/alignment program exited

Sun Feb 12 19:06:24 GMT 2017 SGS Alignment complete

Sun Feb 12 19:07:42 GMT 2017 Kcor Focus/alignment program exited

Sun Feb 12 19:08:37 GMT 2017 CoMP occulter has been re-centered

Sun Feb 12 19:10:08 GMT 2017 COMP Start Patrol on cookbook: synoptic-00010.cbk

Sun Feb 12 19:12:38 GMT 2017 KCOR Start Synoptic Patrol

Sun Feb 12 19:28:36 GMT 2017 KCOR End Patrol

Sun Feb 12 19:28:36 GMT 2017 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20150323.ini

Sun Feb 12 19:45:52 GMT 2017 KCOR End Calibration Script

Sun Feb 12 19:46:09 GMT 2017 KCOR Start Synoptic Patrol

Sun Feb 12 19:46:10 GMT 2017 KCOR Start Synoptic Patrol

Sun Feb 12 20:11:32 GMT 2017 KCOR End Patrol

Sun Feb 12 20:11:38 GMT 2017 CoMP Paused for clouds

Sun Feb 12 20:12:25 GMT 2017 SGS Alignment complete

Sun Feb 12 20:12:28 GMT 2017 KCOR Start Synoptic Patrol

Sun Feb 12 20:12:32 GMT 2017 CoMP Restarted from pause

GENERAL OBSERVATORY COMMENT BY waters: Sun Feb 12 20:12:39 GMT 2017

The light dusting of snow and ice has almost completely gone. Just still need to be careful on the West side of the building as the ice is still thick and slick.

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

GENERAL OBSERVATORY COMMENT BY waters: Sun Feb 12 21:07:28 GMT 2017

The building to the right of the outhouse has part of its roof flapping in the wind every so often. I'll try to keep an eye on it in case it decides to take flight but we should let NOAA know.

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

Sun Feb 12 21:39:52 GMT 2017 KCOR End Patrol

Sun Feb 12 21:40:24 GMT 2017 CoMP Paused for clouds

Sun Feb 12 21:41:00 GMT 2017 SGS Alignment complete

Sun Feb 12 21:41:04 GMT 2017 KCOR Start Synoptic Patrol

Sun Feb 12 21:41:08 GMT 2017 CoMP Restarted from pause

Sun Feb 12 21:54:08 GMT 2017 CoMP End Patrol

Sun Feb 12 21:55:31 GMT 2017 KCOR End Patrol

Sun Feb 12 21:55:48 GMT 2017 SGS Alignment complete

Sun Feb 12 21:55:55 GMT 2017 KCOR Start Synoptic Patrol

Sun Feb 12 21:56:15 GMT 2017 CoMP occulter has been re-centered

Sun Feb 12 21:56:17 GMT 2017 CoMP Start Patrol on cookbook: waves-00001.cbk

GENERAL OBSERVATORY COMMENT BY waters: Sun Feb 12 21:56:29 GMT 2017

Comp occulter adjusted.

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

Sun Feb 12 23:28:37 GMT 2017 CoMP End Patrol

Sun Feb 12 23:28:40 GMT 2017 KCOR End Patrol

Sun Feb 12 23:29:50 GMT 2017 SGS Alignment complete

Sun Feb 12 23:29:58 GMT 2017 KCOR Start Synoptic Patrol

Sun Feb 12 23:30:26 GMT 2017 CoMP occulter has been re-centered

Sun Feb 12 23:30:28 GMT 2017 CoMP Start Patrol on cookbook: synoptic-00010.cbk

GENERAL OBSERVATORY COMMENT BY waters: Sun Feb 12 23:31:28 GMT 2017

Comp occulter adjusted

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

Mon Feb 13 02:12:16 GMT 2017 CoMP End Patrol

Mon Feb 13 02:12:16 GMT 2017 CoMP Start Patrol on cookbook: waves-00001.cbk

Mon Feb 13 02:22:38 GMT 2017 CoMP End Patrol

KCOR COMMENT BY waters: Mon Feb 13 02:23:58 GMT 2017

Kcor synoptic data GUI would not stop taking data when the stop button was pressed. I manually typed stop in socketcam and then closed/quit socketcam and the synoptic GUI finally shut down. Restarting the Kcor computer while I close up so hopefully it feels better tomorrow.

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

GENERAL OBSERVATORY COMMENT BY waters: Mon Feb 13 02:31:14 GMT 2017

Besides a bit of wind at the start and a few hiccups, it was a great day for data.

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