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Mauna Loa Solar Observatory Observer's Log  
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Mon Feb 11 18:10:26 GMT 2019

Year: 19 Doy: 042

Observer: berkey

WEATHER COMMENT: berkey: Mon Feb 11 18:16:48 GMT 2019

Temp: 29.0f, Humidity: 43%, Pressure: 28.57in, Wind: 16mph from 244degs, Skies: clear. 1/2 of ice on most windward surface s at the observatory this morning. Trying to clear ice to make things safe for observing.

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

GENERAL COMMENT BY berkey: Mon Feb 11 18:17:30 GMT 2019

NOAA davis station that we use to get our weather information iced up at some point last night. And gave junk wind speeds.

Ice cleared so we have been getting good data since about 8am.

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

GENERAL COMMENT BY berkey: Mon Feb 11 18:27:59 GMT 2019

PM Blew off Kcor 01

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

GENERAL COMMENT BY berkey: Mon Feb 11 18:29:20 GMT 2019

Windows not opened up stairs there is still a lot of ice up on the dome. It looks like the ice is located such that it can't fall into the dome but it could potentially hit the winds when it eventually falls out side the dome.

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

\*\*KCOR PROBLEM COMMENT BY berkey\*\* : Mon Feb 11 19:37:56 GMT 2019

PXI chassis was off when I arrived this morning.

When trying to start it, it seems like the powersupply tries to run while the power button is pushed down but dies as soon as the button is released. It also sounds like the powersupply fans are not running at full strength while the button is held down.

Not sure how to resolve this.

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

\*\*GONG PROBLEM COMMENT BY berkey\*\* : Mon Feb 11 20:35:08 GMT 2019

Gong fully iced up yesterday. Sang contacted us to report an issue in the 70VDC power supply. This happened because the elevation and altitude bearings froze up.

Clearing the ice off the turret allowed the system to be restarted with blowing the 70 breaker.

We also got reports about the shelter getting too cold. Looks like the AC units were iced over as well. Ice was cleared from the AC's.

Darryl Koon also reported the gong sensephone still had his phone number as one of the systems in the dialer. His number was removed and my replaced it in Dial out number 2.

Gong appears to be up and running now.

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

Mon Feb 11 22:05:36 GMT 2019 Kcor Focus/alignment program exited

Mon Feb 11 22:07:59 GMT 2019 SGS Alignment complete

Mon Feb 11 22:09:58 GMT 2019 Kcor Focus/alignment program exited

\*\*KCOR PROBLEM COMMENT BY berkey\*\* : Mon Feb 11 22:14:26 GMT 2019

Reviewing tempatures from this morning; I noticed we were ~25F all night which is well below the PXIE operating range.

So as a test I took a space heater up stairs to heat the nema box back into the operating range. Once the area around the PXIE came up to about 50f (I assume it was colder inside the chassis) the system was able to come up as normal. We are now observing. :)

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

Mon Feb 11 22:29:38 GMT 2019 KCOR Start Synoptic Patrol

Mon Feb 11 22:35:53 GMT 2019 KCOR End Patrol

Mon Feb 11 22:35:57 GMT 2019 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Mon Feb 11 22:52:12 GMT 2019 KCOR End Calibration Script

Mon Feb 11 22:52:30 GMT 2019 KCOR Start Synoptic Patrol

Mon Feb 11 22:52:32 GMT 2019 KCOR Start Synoptic Patrol

Mon Feb 11 22:55:35 GMT 2019 KCOR End Patrol

Mon Feb 11 22:56:23 GMT 2019 SGS Alignment complete

Mon Feb 11 22:56:43 GMT 2019 KCOR Start Synoptic Patrol

Tue Feb 12 02:00:53 GMT 2019 KCOR End Patrol

ONSITE STAFF: berkey