
Mauna Loa Solar Observatory Observer's Log

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 244deg, Skies: clear.
1/2 of ice on most windward surfaces 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 cant fall into the dome but it could potentially hit t
he 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 but
ton is pushed down but dies as soon as the button is release. 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 i
ced over as well. Ice was cleared from the AC's.

Darryl Koon also reported the gong sensaphone 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 temperatures 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 operati
ng range. Once the area around the PXIE came up to about 50f (I assume it was colder i
nside 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-calibration22d
eg-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