
Mauna Loa Solar Observatory Observer's Log

Tue Mar 2 17:33:14 GMT 2021

Year: 21 Doy: 061

Observer: berkey

WEATHER COMMENT: berkey: Tue Mar 02 18:14:27 GMT 2021

Temp: 29.1f, Humidity: 91%, Pressure: 28.869in, Wind: 8mph from 165degs, Skies: clear above with heavy fog bank to the east looks like we will have passing fog through out the day.

____end____

GENERAL COMMENT BY berkey: Tue Mar 02 18:16:47 GMT 2021

Wahoo lost contact with the davis weather station at some point yesterday. Looks like we must have bumped either the power or usb cable while working in the dome. Unplugging and reseating the cable both the power cable and usb connection seemed to have cleared up the problem.

____end____

UCoMP COMMENT BY berkey: Tue Mar 02 18:17:19 GMT 2021

01 ND installed in beam.

All 01 mechanisms verified to work (01, cover and Diffuser).

____end____

GENERAL COMMENT BY berkey: Tue Mar 02 18:18:54 GMT 2021

Dome ADR sensors needed a a little adjustment this morning, which isn't a surprise since we were unable to test the alignment after installing them yesterday.

____end____

Tue Mar 02 18:19:02 GMT 2021 Kcor Focus/alignment program exited

Tue Mar 02 19:03:04 GMT 2021 Kcor Focus/alignment program exited

Tue Mar 02 20:02:30 GMT 2021 Kcor Focus/alignment program exited

Tue Mar 02 21:03:48 GMT 2021 Kcor Focus/alignment program exited

Tue Mar 02 21:05:13 GMT 2021 KCOR Start Synoptic Patrol

Tue Mar 02 21:31:54 GMT 2021 KCOR End Patrol

Tue Mar 02 21:31:56 GMT 2021 KCOR End Patrol

GENERAL COMMENT BY berkey: Tue Mar 02 21:32:10 GMT 2021

Clouds

____end____

Tue Mar 02 23:40:36 GMT 2021 Kcor Focus/alignment program exited

GENERAL COMMENT BY berkey: Tue Mar 02 23:44:08 GMT 2021

Building camera appears to have failed during the lightning strike. It appears there is power so it looks like the computer has some how failed. More troubleshooting to follow when time allows.

____end____

GPS COMMENT BY berkey: Tue Mar 02 23:48:52 GMT 2021

Lightening looks like it knocked out some part of the COSMIC GPS system. It appears the problem occurred in the 1-4 antenna splitter. So we are currently running the only Septentrio plugged in. Trimble Alloy unit is disconnected from the antenna and Qian's Cases unit is in Boulder.

____end____

****GENERAL PROBLEM COMMENT BY berkey**** : Wed Mar 03 02:51:40 GMT 2021

The observatory telephone(s) stopped working as a result of the lightning strike. Hawaii Telcom was at the NOAA facility testing and repairing their phones, so at the same time they checked our lines as well. They advised us that our lines were in contact from their equipment in the building they have on site and said that it was a problem within our building or connect

ing lines. We found that the wireless portable phone must have taken a hit during the lightning strike and it was causing our phones to malfunction. We removed the wireless phone from the system and the phone in the observatory is again working

____end____

GONG COMMENT BY berkey: Wed Mar 03 02:54:09 GMT 2021

During the lightning strike a ground filter that the GONG telephone line ran through failed, causing the telephone to stop working. The tech from Hawaiian Tel bypassed the filter and the phone is again working.

____end____

GENERAL COMMENT BY berkey: Wed Mar 03 03:09:45 GMT 2021

The sky is becoming exceedingly bright. Stopping Kcor.

____end____

ONSITE STAFF: berkey, mcotter