
Mauna Loa Solar Observatory Observer's Log

Fri Aug 12 15:31:15 GMT 2022

Year: 22 Doy: 224

Observer: lisapg

Fri Aug 12 15:40:13 GMT 2022 Kcor Focus/alignment program exited

WEATHER COMMENT: lisapg: Fri Aug 12 16:14:34 GMT 2022

Temp: 42.2f with wind speed at about 3-8mph from the South. Sky looks clear with some cirrus from the West to the Northeast.

Smoke sits heavy over Saddle from the fires at PTA to the Northwest. Will keep an eye on the wind and sky for when it may shift and head up the mountain.

____end____

GENERAL COMMENT BY lisapg: Fri Aug 12 16:37:06 GMT 2022

PM Blew off Kcor 01

____end____

GENERAL COMMENT BY lisapg: Fri Aug 12 16:37:09 GMT 2022

PM Blew off UCoMP 01

____end____

GENERAL PROBLEM COMMENT BY lisapg : Fri Aug 12 16:40:22 GMT 2022

SGS computer wasn't on when I came in. Went upstairs and checked the nema box, it currently has a red light on the power button and will not turn on. Going to check the connections.

____end____

GENERAL PROBLEM COMMENT BY lisapg : Fri Aug 12 17:10:50 GMT 2022

Put a heater in the SGS nema box to see if it may be temperature related. Will try to power cycle again in about five minutes

____end____

GENERAL COMMENT BY lisapg: Fri Aug 12 17:30:07 GMT 2022

Closing the dome until SGS is figured out as there are a lot of aerosols that can be seen floating over the dome slot.

____end____

GENERAL PROBLEM COMMENT BY lisapg : Fri Aug 12 18:48:32 GMT 2022

Problem: SGS computer has a red power button and will not turn on.

Tried: 1) Unplugging and re plugging power- box will turn on for five seconds and then shut down. power button turns red.

2) Held power button, did nothing.

3) Tried plugging in SGS nema box into different outlets, to no avail. Only turns on for five seconds before shutting down again.

4) Put a heater in the nema box, waited between five to ten minutes to warm up the box and then attempted to turn on, by both unplugging cable and hitting/holding power button. Did not stay on for more than the five seconds.

5) Pulled and reseated boards on SGS computer, seeing if any of them would affect the outcome. Power cycled after each replacement to no avail; only turned on for the five seconds before shutting down.

6) Tried leaving all the boards out except the left most one to see if it may be the boards. Then put them in one by one, from left to right, then varied which ones were out, keeping the left one in the whole time. Again, did not work.

7) Ben advised me that we had a spare broken left most board and that we should swap them out to see if that made any difference. It did not; it started up for five seconds before shutting down.

Ben is now heading up the mountain to help trouble shoot.

____end____

GENERAL COMMENT BY lisapg: Fri Aug 12 19:31:05 GMT 2022

Marc and Tom are on site

____end____

GENERAL COMMENT BY lisapg: Fri Aug 12 19:31:52 GMT 2022

Mark, sorry

____end____

GENERAL COMMENT BY lisapg: Fri Aug 12 19:34:40 GMT 2022

Shutting down computers for Tom to work on the power

____end____

GENERAL COMMENT BY lisapg: Sat Aug 13 01:22:40 GMT 2022

After trouble shooting a bit, we found we had a good power supply in sgs and good backup

lane in kcor pixi chassis and we frankensteined them together. Everything seems to be up and working. Thank you Ben

____end____

Sat Aug 13 01:23:09 GMT 2022 Kcor Focus/alignment program exited

Sat Aug 13 01:31:12 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

GENERAL COMMENT BY berkey: Sat Aug 13 02:21:12 GMT 2022

After the shutdown UCOMP came back up in a state where it didn't automatically connect to the cameras or filter wheel.

Added some code to automatically use the PDU to power off and on the cameras when we detect (a certain kind of fault during start up) and then retry the connection to the cameras (once). This should prevent us from needing to pull the power cord out of the back of the rack going forward.

Also added some code to the filter wheel to automatically reconnect the filter wheel if a (certain kind of) fault was found in startup.

____end____

GENERAL COMMENT BY lisapg: Sat Aug 13 02:21:29 GMT 2022

No data today unfortunately.

____end____

ONSITE STAFF: berkey, lisapg, Tom W, Mark S