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Mauna Loa Solar Observatory Observer's Log

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Tue Apr 9 18:12:29 GMT 2024

Year: 24 Doy: 100

Observer: mlso

GENERAL COMMENT BY lisapg: Tue Apr 09 18:12:51 GMT 2024

PM Blew off Kcor O1

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

GENERAL COMMENT BY lisapg: Tue Apr 09 18:12:57 GMT 2024

PM Blew off UCoMP O1

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

GENERAL COMMENT BY lisapg: Tue Apr 09 18:13:24 GMT 2024

Problems starting logger. Kcor started at 17:47UT

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

\*\*KCOR PROBLEM COMMENT BY lisapg\*\* : Tue Apr 09 18:14:05 GMT 2024

Kcor jumped states about 8:03 about 5 were in the wrong polarization state.

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

UCoMP COMMENT BY lisapg: Tue Apr 09 18:15:28 GMT 2024

UCoMP had some issues with the occutler position at startup. Thought the in position w as 0, may have gotten bad information when we forced a git pull from github.

Putting in the last known good values fixed this.

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

UCoMP COMMENT BY lisapg: Tue Apr 09 18:15:42 GMT 2024

UCoMP had some trouble starting getting the recipes correct, needed to manually edit a couple of the recipes to sort out the problem.

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

UCoMP COMMENT BY lisapg: Tue Apr 09 18:24:24 GMT 2024

Recipe problem with synoptic-old that lead to skipping taking flats. This has been hopefully fixed.

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

UCoMP COMMENT BY berkey: Tue Apr 09 18:27:24 GMT 2024

This morning's UCoMP issues were cleared by 17:57 UT.

The file 20240409.175535.13.ucomp.10.fts should have been a 1079 science image; but the dark shutter was in the beam the whole time so it either be ignored or treated as a 22 extension flat.

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

Tue Apr 09 18:31:23 GMT 2024 Running UCOMP Cookbook synoptic-old-flat.cbk line 0

Tue Apr 09 18:50:48 GMT 2024 Running UCOMP Cookbook feXIII\_cross\_calibration.cbk line 0

Tue Apr 09 19:00:21 GMT 2024 KCOR End Patrol

Tue Apr 09 19:00:22 GMT 2024 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Tue Apr 09 19:15:32 GMT 2024 KCOR End Calibration Script

Tue Apr 09 19:15:49 GMT 2024 KCOR Start Synoptic Patrol

Tue Apr 09 19:15:49 GMT 2024 KCOR Start Synoptic Patrol

GENERAL COMMENT BY lisapg: Tue Apr 09 19:28:15 GMT 2024

Kcor diff shows active jets on the east limb.

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

Tue Apr 09 19:31:44 GMT 2024 Running UCOMP Cookbook waves\_1074\_1hour.cbk line 0

GENERAL COMMENT BY lisapg: Tue Apr 09 19:39:19 GMT 2024

Observatory is running off one of the 8-battery homegrid banks today. On arrvial batte ry was 84% after two hours of obs battery is now 74%.

All systems are online expect, dusk, flow bench, tiddbit and higher power networking sy stem.

Currently the battery is outputting 2700W which is about 65kWh/day.

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

\*\*UCoMP PROBLEM COMMENT BY lisapg\*\* : Tue Apr 09 20:11:34 GMT 2024

UCoMP not reading array temp.

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

Tue Apr 09 20:42:47 GMT 2024 Running UCOMP Cookbook synoptic-old.cbk line 0

Tue Apr 09 20:43:10 GMT 2024 Running UCOMP Cookbook Pol\_Cal\_Bright\_Filters.cbk line 0

GENERAL COMMENT BY lisapg: Tue Apr 09 20:53:08 GMT 2024

Still not sure why the camera array temp is not updating when the pcb temp is read.

end

Tue Apr 09 21:01:36 GMT 2024 Running UCOMP Cookbook synoptic-old.cbk line 0

GENERAL COMMENT BY lisapg: Tue Apr 09 21:24:34 GMT 2024

Couple network hiccups today. Going to manually copy data and upload missing data when we get off the mountian.

end

GENERAL COMMENT BY lisapg: Tue Apr 09 21:24:35 GMT 2024

end

Tue Apr 09 21:40:44 GMT 2024 Running UCOMP Cookbook synoptic-old.cbk line 0

UCoMP COMMENT BY lisapg: Tue Apr 09 21:55:53 GMT 2024

Draining UCoMP

end

GENERAL COMMENT BY lisapg: Tue Apr 09 21:56:15 GMT 2024

Heading out of observatory, see you soon hopefully!!

end

The below information was reconstructed from the observers after the observing date because we didn't get the original log until 2025-01-15 due to kodiak being powered off:

Day after Eclipse operations.

729am arival, batteries were at 86% when we walked in. Weather report: clear sky!!!

747 Kcor started

750am ucomp started, centering focus had the occulter out and it wasn't moving. restarting labview fixed problem there

803 Kcor ended up in the wrong state, stopped it, verified again it was in the right state and restart observations.

805 path for ucomp failed to update,

823 80% battery

939 sky looks clear, things are running alright

1145 helicopter has been called and we're stretching the time as best we can, first group of NOAA has been taken down.

1157 57% on battery

ONSITE STAFF: berkey, lisapg