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Mauna Loa Solar Observatory Observer's Log  
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Thu Jan 28 17:41:46 GMT 2021

Year: 21 Doy: 028

Observer: berkey

WEATHER COMMENT: berkey: Thu Jan 28 17:43:09 GMT 2021

Temp: 33.5f, Humidity: 23%, Pressure: 28.802in, Wind: 11mph from 114degs, Skies: mostly clear with some thin cirrus in the south

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

GENERAL COMMENT BY berkey: Thu Jan 28 18:11:06 GMT 2021

Opened windows upstairs

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

GENERAL COMMENT BY berkey: Thu Jan 28 18:11:11 GMT 2021

PM Blew off Kcor O1

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

UCoMP COMMENT BY berkey: Thu Jan 28 18:11:39 GMT 2021

Swapped out the CoMP LSD diffuser for the new UCoMP diffuser.

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

Thu Jan 28 18:14:18 GMT 2021 Kcor Focus/alignment program exited

Thu Jan 28 18:16:41 GMT 2021 KCOR Start Synoptic Patrol

GENERAL COMMENT BY berkey: Thu Jan 28 18:56:52 GMT 2021

PM Blew off Kcor Field Lens

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

Thu Jan 28 20:01:00 GMT 2021 KCOR End Patrol

Thu Jan 28 20:02:09 GMT 2021 SGS Alignment complete

Thu Jan 28 20:02:53 GMT 2021 Kcor Focus/alignment program exited

Thu Jan 28 20:19:37 GMT 2021 KCOR Start Synoptic Patrol

Thu Jan 28 20:32:55 GMT 2021 KCOR End Patrol

Thu Jan 28 20:32:56 GMT 2021 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Thu Jan 28 20:48:10 GMT 2021 KCOR End Calibration Script

Thu Jan 28 20:48:27 GMT 2021 KCOR Start Synoptic Patrol

Thu Jan 28 20:48:27 GMT 2021 KCOR Start Synoptic Patrol

Thu Jan 28 21:19:16 GMT 2021 KCOR End Patrol

Thu Jan 28 21:20:30 GMT 2021 SGS Alignment complete

Thu Jan 28 21:20:32 GMT 2021 Kcor Focus/alignment program exited

Thu Jan 28 21:21:28 GMT 2021 Kcor Focus/alignment program exited

Thu Jan 28 21:24:00 GMT 2021 KCOR Start Synoptic Patrol

Thu Jan 28 21:40:54 GMT 2021 KCOR End Patrol

Thu Jan 28 21:40:59 GMT 2021 KCOR End Patrol

\*\*UCoMP PROBLEM COMMENT BY berkey\*\* : Thu Jan 28 22:32:36 GMT 2021

Focused the Ucomp T-cam at 1083.

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

Thu Jan 28 22:33:42 GMT 2021 SGS Alignment complete

Thu Jan 28 22:34:25 GMT 2021 Kcor Focus/alignment program exited

GENERAL COMMENT BY berkey: Thu Jan 28 23:28:49 GMT 2021

UCoMP computer is running into USB resource issues.

Getting an error USB Controller Resources Exceeded.

We might have too many usb devices with on the system once the o1 and diffuser got integrated.

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

GENERAL COMMENT BY berkey: Thu Jan 28 23:28:50 GMT 2021

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

Fri Jan 29 02:07:07 GMT 2021 KCOR Start Synoptic Patrol

GENERAL COMMENT BY berkey: Fri Jan 29 02:15:13 GMT 2021

PM Blew off Kcor O1

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

Fri Jan 29 02:16:57 GMT 2021 Kcor Focus/alignment program exited

Fri Jan 29 02:17:44 GMT 2021 KCOR Start Synoptic Patrol

Fri Jan 29 02:54:04 GMT 2021 KCOR End Patrol

Fri Jan 29 02:54:09 GMT 2021 KCOR End Patrol

GENERAL COMMENT BY berkey: Fri Jan 29 03:34:06 GMT 2021

Changed out the plug to the dome UPS cable. The new L6-30 plug will fit both the matrix and dome closure UPS's

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

UCoMP COMMENT BY berkey: Fri Jan 29 03:51:17 GMT 2021

Testing on the O1 focus range with the Badder ND filter in the beam no diffuser, no cover no occulter.

Lots of minor software gremlins.

Initial look at the data shows we do not have enough range on the O1 to focus the the sun in the 530 pre-filter. We will need to review the fits files to be sure. But right now it looks like the O1 either needs to move sun ward on the instrument plate needs to go anti-sunward.

The image of the sun is also not well centered on both cameras. Rcam is worse in X and Tcam is worse in Y with a little de-center in X.

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

GENERAL COMMENT BY berkey: Fri Jan 29 04:17:47 GMT 2021

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

GENERAL COMMENT BY berkey: Fri Jan 29 04:17:48 GMT 2021

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

GENERAL COMMENT BY berkey: Fri Jan 29 04:17:49 GMT 2021

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

ONSITE STAFF: berkey