
Mauna Loa Solar Observatory Observer's Log

Mon Jan 24 17:25:54 GMT 2022

Year: 22 Doy: 024

Observer: berkey

WEATHER COMMENT: mcotter: Mon Jan 24 17:26:21 GMT 2022

Temp: 38.8f, Humidity: 7%, Pressure: 28.76in, Wind: 5mph from 125degs, Skies: clear
____end____

GENERAL COMMENT BY mcotter: Mon Jan 24 17:44:10 GMT 2022

PM Blew off Kcor O1

____end____

GENERAL COMMENT BY mcotter: Mon Jan 24 17:44:14 GMT 2022

PM Blew off UCOMP O1

____end____

Mon Jan 24 18:03:51 GMT 2022 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Mon Jan 24 18:13:00 GMT 2022

Sky a little bright, waiting a few minute before starting observing.

____end____

Mon Jan 24 18:18:14 GMT 2022 Kcor Focus/alignment program exited

Mon Jan 24 18:22:14 GMT 2022 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.cbk line 0

UComp COMMENT BY mcotter: Mon Jan 24 18:23:11 GMT 2022

Ucomp instrument up and running.

____end____

Mon Jan 24 18:23:31 GMT 2022 Running UCOMP Cookbook 637_Scan.cbk line 0

Mon Jan 24 18:25:41 GMT 2022 Running UCOMP Cookbook 656_Scan.cbk line 0

KCOR COMMENT BY mcotter: Mon Jan 24 18:26:15 GMT 2022

Kcor instrument up and running.

SGS offset: X (RA): 56, Y (Dec) 8.

Polarization checked good: Mid, Bright, Dark, Mid.

The sky is a bit bright and the focus image looked brighter than normal, but I ran the focus routine and got a very well shaped parabola on the first try and the synoptic images look good.

____end____

Mon Jan 24 18:27:31 GMT 2022 Running UCOMP Cookbook 789_Scan.cbk line 0

Mon Jan 24 18:29:20 GMT 2022 Running UCOMP Cookbook 1074_Scan.cbk line 0

Mon Jan 24 18:31:09 GMT 2022 Running UCOMP Cookbook 1079_Scan.cbk line 0

Mon Jan 24 18:32:59 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Mon Jan 24 18:51:05 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Mon Jan 24 20:02:17 GMT 2022 Running UCOMP Cookbook no-occulter-flat.cbk line 0

Mon Jan 24 20:06:41 GMT 2022 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Mon Jan 24 20:08:59 GMT 2022 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.cbk line 0

Mon Jan 24 20:10:16 GMT 2022 Running UCOMP Cookbook 637_Pol_Calibrate.cbk line 0

Mon Jan 24 20:14:35 GMT 2022 Running UCOMP Cookbook 656_Pol_Calibrate.cbk line 0

Mon Jan 24 20:18:39 GMT 2022 Running UCOMP Cookbook 789_Pol_Calibrate.cbk line 0

Mon Jan 24 20:21:57 GMT 2022 KCOR End Calibration Script

Mon Jan 24 20:22:42 GMT 2022 Running UCOMP Cookbook 1074_Pol_Calibrate.cbk line 0

Mon Jan 24 20:26:46 GMT 2022 Running UCOMP Cookbook 1079_Pol_Calibrate.cbk line 0

Mon Jan 24 20:30:50 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 0

GENERAL COMMENT BY mcotter: Mon Jan 24 21:20:16 GMT 2022

The new "Clean Room" for the observatory has begun to take shape. Ben and I cleared the area of the main control room that is designated to be our new clean room. We moved the CleatTech HEPA table 90 deg and have provided area in the room so it will contain a designated inspection bench, small chemical locker and designated storage cabinet for equipment and materials for cleaning and maintaining optics and optical assemblies. Anything not affiliated with clean room activities and the cleaning and maintenance of optics has been removed. We constructed a temporary exterior wall out of plastic sheathing and wood to isolate the area. Additionally we have constructed a temporary entry system out of plastic sheathing, so as of now there is a designated Clean Room at the Mauna Loa Solar Observatory, though constructed out of temporary materials. The floor model HEPA room air cleaning vacuum system that was operating in the main observatory dome room has now been installed in the new clean room. We intend on leaving this HEPA vacuum system in our new clean room and leave it running continuously; this should help in keeping

g the area clean and free of unwanted particles and dust. The new "Spot Light" illuminating equipment has also been set up in our new clean room and should greatly assist us in keeping the optics in optimal condition.

____end____

Mon Jan 24 21:40:28 GMT 2022 Running UCOMP Cookbook dark_200_1sums_80ms.cbk line 0

****Possible CME in Progress mcotter**** : Mon Jan 24 21:41:53 GMT 2022

Observers report with High confidence a CME seeing launching near PA 65 deg, with a minimum width of 10 to 20 deg, at UT 21:30:13 time .

____end____

Mon Jan 24 21:45:28 GMT 2022 Running UCOMP Cookbook no-occulter-flat.cbk line 0

Mon Jan 24 21:51:59 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Mon Jan 24 22:10:21 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Mon Jan 24 22:53:29 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 22

Mon Jan 24 23:22:47 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Tue Jan 25 00:33:47 GMT 2022 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.cbk line 0

Tue Jan 25 00:35:04 GMT 2022 Running UCOMP Cookbook 1074_Pol_Calibrate.cbk line 0

Tue Jan 25 00:39:28 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Tue Jan 25 00:57:35 GMT 2022 Running UCOMP Cookbook no-occulter-flat.cbk line 0

Tue Jan 25 01:03:47 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Tue Jan 25 01:48:52 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 23

****Possible CME in Progress mcotter**** : Tue Jan 25 02:06:22 GMT 2022

Observers report with medium confidence a CME seeing launching near PA 315 deg, with a minimum width of 10 deg, at UT time 00:30:14.

____end____

Tue Jan 25 02:16:02 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Tue Jan 25 03:14:47 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 28

Tue Jan 25 03:29:04 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Tue Jan 25 03:47:32 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

GENERAL COMMENT BY mcotter: Tue Jan 25 03:53:21 GMT 2022

Excellent day of observing!

____end____

ONSITE STAFF: berkey, mcotter