
Mauna Loa Solar Observatory Observer's Log

Mon Apr 25 16:29:53 GMT 2022
Year: 22 Doy: 115
Observer: mlso
WEATHER COMMENT: mcotter: Mon Apr 25 16:39:55 GMT 2022
Temp: 46.1f, Humidity: 15%, Pressure: 28.644in, Wind: 6mph from 169degs, Skies: Clear b
ut slightly hazy skies. Heavy fog and mist in the Saddle Valley up to approximately the
 7500' elevation level. Pink gray inversion layer visible on the horizon just below Hal
eakala. Moderate steady wind out of the east-southeast.
___end___
GENERAL COMMENT BY mcotter: Mon Apr 25 16:40:18 GMT 2022
Opened windows upstairs
___end___
GENERAL COMMENT BY mcotter: Mon Apr 25 16:40:25 GMT 2022
PM Blew off UCoMP O1
___end___
GENERAL COMMENT BY mcotter: Mon Apr 25 16:40:30 GMT 2022
PM Blew off Kcor O1
___end___
UCoMP COMMENT BY mcotter: Mon Apr 25 17:01:23 GMT 2022
UCoMP O1#2 installed for focus test.
___end___
Mon Apr 25 17:01:53 GMT 2022 Kcor Focus/alignment program exited
Mon Apr 25 17:13:26 GMT 2022 Running UCOMP Cookbook find_focus.cbk line 0
Mon Apr 25 17:30:01 GMT 2022 Running UCOMP Cookbook find_focus.cbk line 0
****Possible CME in Progress mcotter**** : Mon Apr 25 17:44:19 GMT 2022
Observers report with HIGH confidence a CME seeing launching near PA 120 deg with a min
imum width of 20 deg at UT time 17:32:07.
___end___
Mon Apr 25 17:47:55 GMT 2022 Running UCOMP Cookbook find_focus.cbk line 0
Mon Apr 25 18:04:32 GMT 2022 Running UCOMP Cookbook find_focus.cbk line 0
Mon Apr 25 18:17:22 GMT 2022 Running UCOMP Cookbook find_focus.cbk line 0
Mon Apr 25 18:34:24 GMT 2022 Running UCOMP Cookbook find_focus.cbk line 0
Mon Apr 25 18:58:20 GMT 2022 Running UCOMP Cookbook find_focus.cbk line 0
Mon Apr 25 19:24:11 GMT 2022 KCOR Start Calibration script: c:\kcor\mlso-calibration22d
eg-20171025.ini
Mon Apr 25 19:27:47 GMT 2022 Running UCOMP Cookbook find_focus.cbk line 0
Mon Apr 25 19:39:22 GMT 2022 KCOR End Calibration Script
Mon Apr 25 19:46:06 GMT 2022 Running UCOMP Cookbook find_focus.cbk line 0
****Possible CME in Progress mcotter**** : Mon Apr 25 20:48:00 GMT 2022
Observers report with High confidence a CME seeing launching near PA 120 deg with a min
imum width of 30 deg at UT time 19:24:08.
This CME is a secondary event from the same location as the CME that was detected earli
er today at 17:32:07.
___end___
UCoMP COMMENT BY mcotter: Mon Apr 25 21:15:24 GMT 2022
O1#2 offsets not updated yet taking polarization cals.
___end___
Mon Apr 25 21:16:06 GMT 2022 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.cbk lin
e 0
Mon Apr 25 21:17:23 GMT 2022 Running UCOMP Cookbook 637_Pol_Calibrate.cbk line 0
Mon Apr 25 21:21:33 GMT 2022 Running UCOMP Cookbook 706_Pol_Calibrate.cbk line 0
Mon Apr 25 21:25:36 GMT 2022 Running UCOMP Cookbook 789_Pol_Calibrate.cbk line 0
Mon Apr 25 21:29:39 GMT 2022 Running UCOMP Cookbook 1074_Pol_Calibrate.cbk line 0
Mon Apr 25 21:33:42 GMT 2022 Running UCOMP Cookbook 1079_Pol_Calibrate.cbk line 0
Mon Apr 25 21:38:15 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk lin
e 0
Mon Apr 25 21:53:07 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0
Mon Apr 25 22:21:34 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0
Mon Apr 25 22:27:31 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0
UCoMP COMMENT BY mcotter: Mon Apr 25 22:38:31 GMT 2022
New O1#2 updates applied looks like they go in the wrong direction so now we might not
be able to focus on 1074, 1079 or 1083.
___end___
Mon Apr 25 22:39:58 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk lin

e 0
Mon Apr 25 22:41:53 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0
GENERAL COMMENT BY mcotter: Mon Apr 25 23:06:03 GMT 2022
Strange behavior with the dome controller. Looks like both dome sensors when dark at th
e same time but the dome didnt move. On manual testing covering either sensor the dome
 to move. And multiple attempts where made to cover both at once but in ever occurrenc
e the dome still moved.

More dome troubleshooting to follow tomorrow with more favorable access to the dome sen
sors.

As a short term fix the dome was manaully rotated to the west and we should be ok for
the rest of the day. The dome never obstructed the instruments or guider.
___end___
Mon Apr 25 23:09:24 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0
Mon Apr 25 23:37:03 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0
Tue Apr 26 00:04:28 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk lin
e 0
Tue Apr 26 00:19:37 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 0
Tue Apr 26 01:28:23 GMT 2022 Running UCOMP Cookbook no-occulter-flat.cbk line 0
Tue Apr 26 01:34:59 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0
Tue Apr 26 02:03:10 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk lin
e 0
Tue Apr 26 02:18:30 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0
Tue Apr 26 02:46:34 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0
Tue Apr 26 03:14:01 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0
Tue Apr 26 03:34:48 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 14
Tue Apr 26 03:42:35 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk lin
e 0
UCoMP COMMENT BY mcotter: Tue Apr 26 03:49:21 GMT 2022
PM Washed UCoMP O1.
Removed Ucomp 01#1 replaced it with Ucomp 01#2. The 01#1 lens showed quite a bit of con
tamination and foreign particles on the surfaces under inspection. The 01#1 lens was th
oroughly rinsed with deionized water, both sides, then thoroughly cleaned with soap and
 water several times over the entire lens surface. Even after the repeated washings a s
peckling pattern of contamination could be seen on both sides of the lens. The lens was
 then cleaned thoroughly, both sides, with Acetone followed closely with deionized wate
r to rinse. This was followed by thoroughly cleaning the lens, both sides, with Alcohol
, followed closely with a deionized water rinse. The speckled pattern was observed to h
ave diminished considerably by doing this procedure. The whole process was repeated; so
ap and water, Acetone and water, Alcohol and water and afterwards it was observed that
most of the speckled foreign substance was removed. Spot cleaning with soap and water f
ollowed closely with a deionized water rise was done to remove a few areas where water
 residue remained. Afterwards the lens was taken outside and inspected in full sunlight
 and the lens was considerably improved from the initial condition. It was determined t
o be too late to put the 01#1 back into the instrument today. Tomorrow morning I will r
emove the 01#2 lens and reinstall the 01#1.
___end___
GENERAL COMMENT BY mcotter: Tue Apr 26 03:49:59 GMT 2022
Emptied trash containers in clean room and control room.
___end___
GENERAL COMMENT BY mcotter: Tue Apr 26 03:59:08 GMT 2022
Excellent day for observing! Clear skies all day!
___end___
ONSITE STAFF: berkey, mcotter