---

Mauna Loa Solar Observatory Observer's Log

---

Thu Feb 10 17:37:40 GMT 2022
Year: 22  Doy: 041
Observer: berkey
WEATHER COMMENT: Observer: Thu Feb 10 17:38:05 GMT 2022
Temp: 43.1f, Humidity: 5%, Pressure: 28.715in, Wind: 8mph from 152degs, Skies: clear
___end___
UCoMP COMMENT BY Observer: Thu Feb 10 17:39:15 GMT 2022
Updated ucomp recipes and lyot filter wave offsets.

We are now taking all coronal lines and no chromosphere lines.
___end___
Thu Feb 10 18:00:53 GMT 2022 Kcor Focus/alignment program exited
Thu Feb 10 18:00:59 GMT 2022 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.cbk lin
e 0
Thu Feb 10 18:02:16 GMT 2022 Running UCOMP Cookbook 530_Scan.cbk line 0
Thu Feb 10 18:02:50 GMT 2022 KCOR Start Synoptic Patrol
Thu Feb 10 18:04:27 GMT 2022 Running UCOMP Cookbook 637_Scan.cbk line 0
Thu Feb 10 18:06:20 GMT 2022 Running UCOMP Cookbook 691_Scan.cbk line 0
Thu Feb 10 18:09:11 GMT 2022 Running UCOMP Cookbook 706_Scan.cbk line 0
Thu Feb 10 18:11:00 GMT 2022 Running UCOMP Cookbook 789_Scan.cbk line 0
Thu Feb 10 18:12:50 GMT 2022 Running UCOMP Cookbook 1074_Scan.cbk line 0
Thu Feb 10 18:14:40 GMT 2022 Running UCOMP Cookbook 1079_Scan.cbk line 0
Thu Feb 10 18:16:29 GMT 2022 Running UCOMP Cookbook all_wavelenght_coronal_flat.cbk lin
e 0
Thu Feb 10 18:48:59 GMT 2022 Running UCOMP Cookbook all_wavelenght_coronal.cbk line 0
Thu Feb 10 19:14:10 GMT 2022 KCOR End Patrol
Thu Feb 10 19:14:11 GMT 2022 KCOR Start Calibration script: c:\kcor\mlso-calibration22d
eg-20171025.ini
Thu Feb 10 19:24:20 GMT 2022 Running UCOMP Cookbook all_wavelenght_coronal.cbk line 17
**UCoMP PROBLEM COMMENT BY berkey** : Thu Feb 10 19:25:49 GMT 2022
UCoMP O1 seems to have crashed and is not moving.
___end___
Thu Feb 10 19:29:28 GMT 2022 KCOR End Calibration Script
Thu Feb 10 19:29:44 GMT 2022 KCOR Start Synoptic Patrol
Thu Feb 10 19:29:45 GMT 2022 KCOR Start Synoptic Patrol
Thu Feb 10 19:32:34 GMT 2022 Running UCOMP Cookbook all_wavelenght_coronal.cbk line 0
Thu Feb 10 21:27:04 GMT 2022 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.cbk lin
e 0
Thu Feb 10 21:28:21 GMT 2022 Running UCOMP Cookbook 530_Pol_Calibrate.cbk line 0
Thu Feb 10 21:32:46 GMT 2022 Running UCOMP Cookbook 637_Pol_Calibrate.cbk line 0
Thu Feb 10 21:36:50 GMT 2022 Running UCOMP Cookbook 691_Pol_Calibrate.cbk line 0
Thu Feb 10 21:40:53 GMT 2022 Running UCOMP Cookbook 706_Pol_Calibrate.cbk line 0
Thu Feb 10 21:44:57 GMT 2022 Running UCOMP Cookbook 789_Pol_Calibrate.cbk line 0
Thu Feb 10 21:49:01 GMT 2022 Running UCOMP Cookbook 1074_Pol_Calibrate.cbk line 0
Thu Feb 10 21:53:05 GMT 2022 Running UCOMP Cookbook 1079_Pol_Calibrate.cbk line 0
Thu Feb 10 21:57:09 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 0
KCOR COMMENT BY berkey: Thu Feb 10 22:36:39 GMT 2022
Now that we are sending SGS updates on every image; it is pretty clear that the bullet
holes (specifically in the SW) are moving w.r.t. to the corona across the field of view
.

I suspect this is showing the O1 tilting w.r.t. to the occulter/aft-end.  Not sure if/
how this is helpful to understanding the performance of the spar or coronagraphs.
___end___
Thu Feb 10 23:06:51 GMT 2022 Running UCOMP Cookbook dark_200_1sums_80ms.cbk line 0
Thu Feb 10 23:11:55 GMT 2022 Running UCOMP Cookbook no-occulter-flat.cbk line 0
Thu Feb 10 23:18:26 GMT 2022 Running UCOMP Cookbook all_wavelenght_coronal_flat.cbk lin
e 0
Thu Feb 10 23:51:12 GMT 2022 Running UCOMP Cookbook all_wavelenght_coronal.cbk line 0
****EVENT COMMENT BY berkey**** : Fri Feb 11 00:45:05 GMT 2022
Prominence eruption seen launching in the diff images near PA300 at UT22.
___end___
Fri Feb 11 01:17:26 GMT 2022 Running UCOMP Cookbook all_wavelenght_coronal.cbk line 32
Fri Feb 11 01:47:15 GMT 2022 Running UCOMP Cookbook all_wavelenght_coronal.cbk line 0

KCOR COMMENT BY berkey: Fri Feb 11 02:48:39 GMT 2022
Noticed the pointing on kcor ins’t performing as well we would like as the aerosols inc
rease..

Trying to change the threshold of which pixels we are using for the alignment.  Was har
d coded to 10,000counts.  Now the threshold is available on the front panel and set to
20,000.  By eye this appears to give a better results in the high aerosol regiem we hav
e this afternoon.

For futher testing/need changes the threshold control is found just below the realtime
image display.
___end___
ONSITE STAFF:  berkey