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Mauna Loa Solar Observatory Observer's Log  
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Thu Jul 22 17:56:27 GMT 2021

Year: 21 Doy: 203

Observer: berkey

WEATHER COMMENT: berkey: Thu Jul 22 17:57:15 GMT 2021

Temp: 47.9f, Humidity: 56%, Pressure: 28.645in, Wind: 18mph from 152degs, Skies: patchy cirrus, looks like it might be clearing so we should get some data today.

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

GENERAL COMMENT BY berkey: Thu Jul 22 17:57:18 GMT 2021

PM Blew off Kcor O1

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

GENERAL COMMENT BY berkey: Thu Jul 22 17:57:22 GMT 2021

PM Blew off Kcor Field Lens

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

GENERAL COMMENT BY berkey: Thu Jul 22 17:57:26 GMT 2021

PM Blew off UCoMP O1

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

UCoMP COMMENT BY berkey: Thu Jul 22 18:00:51 GMT 2021

CalPol and CalRet cables were swapped at the Standa motion control box. Since deployment commands to move the Pol actually moved the retarder. Turns out the label on the box was wrong, per the electrical drawings. Label has been removed and cables swapped to the proper axis.

Visual testing shows Pol commands now move the Pol and Ret commands now move the Ret.

Both stages have been homed.

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

UCoMP COMMENT BY berkey: Thu Jul 22 18:01:09 GMT 2021

Camera water cooler was topped off.

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

Thu Jul 22 18:06:41 GMT 2021 SGS Alignment complete

Thu Jul 22 18:06:43 GMT 2021 Kcor Focus/alignment program exited

Thu Jul 22 18:09:49 GMT 2021 Running UCOMP Cookbook all\_coronal\_7\_flats.ckb

Thu Jul 22 18:12:35 GMT 2021 Running UCOMP Cookbook all\_coronal\_7\_flats.ckb

Thu Jul 22 18:21:53 GMT 2021 UCoMP Paused for clouds

Thu Jul 22 18:52:24 GMT 2021 UCoMP Restarted from pause

Thu Jul 22 18:55:24 GMT 2021 UCoMP Paused for clouds

Thu Jul 22 19:00:24 GMT 2021 UCoMP Restarted from pause

Thu Jul 22 19:06:17 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb

Thu Jul 22 19:15:10 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb

Thu Jul 22 19:26:38 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb

\*\*\*\*Possible CME in Progress berkey\*\*\*\* : Thu Jul 22 19:27:18 GMT 2021

Possible CME seen launching near PA:100 at time 18:15UT.

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

Thu Jul 22 19:32:30 GMT 2021 KCOR Start Synoptic Patrol

Thu Jul 22 19:33:29 GMT 2021 KCOR End Patrol

Thu Jul 22 19:33:29 GMT 2021 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Thu Jul 22 19:45:19 GMT 2021 Running UCOMP Cookbook 530\_Scan.ckb  
Thu Jul 22 19:48:46 GMT 2021 KCOR End Calibration Script  
Thu Jul 22 19:49:03 GMT 2021 KCOR Start Synoptic Patrol  
Thu Jul 22 19:49:04 GMT 2021 KCOR Start Synoptic Patrol  
Thu Jul 22 19:57:22 GMT 2021 KCOR End Patrol  
Thu Jul 22 19:57:32 GMT 2021 KCOR End Patrol  
Thu Jul 22 19:57:57 GMT 2021 UCoMP Paused for clouds  
Thu Jul 22 20:00:07 GMT 2021 UCoMP Restarted from pause  
Thu Jul 22 20:02:46 GMT 2021 Running UCOMP Cookbook 637\_Scan.ckb  
Thu Jul 22 20:17:48 GMT 2021 Running UCOMP Cookbook 656\_Scan.ckb  
Thu Jul 22 20:32:47 GMT 2021 Running UCOMP Cookbook 691\_Scan.ckb  
Thu Jul 22 20:37:25 GMT 2021 Running UCOMP Cookbook 706\_Scan.ckb  
Thu Jul 22 20:42:02 GMT 2021 Running UCOMP Cookbook 789\_Scan.ckb  
Thu Jul 22 20:42:09 GMT 2021 UCoMP Paused for clouds  
Thu Jul 22 21:32:53 GMT 2021 UCoMP Restarted from pause  
Thu Jul 22 21:34:58 GMT 2021 UCoMP Paused for clouds

GENERAL COMMENT BY berkey: Thu Jul 22 22:13:27 GMT 2021

Dec spar balance seems bad. We stopped tracking when calpol was put in the beam. May need to move some weights after leadership academy.

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

Fri Jul 23 00:13:46 GMT 2021 UCoMP Restarted from pause

GENERAL COMMENT BY berkey: Fri Jul 23 01:27:12 GMT 2021

Spar balance system moving weights ~35# worth was moved south by about 2 inches to help better balance the spar.

Dec clutch was tightened a bit. We were at ~8 pounds of force on the t-handle to slip the clutch now more like 20.

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

GENERAL COMMENT BY berkey: Fri Jul 23 01:27:21 GMT 2021

PM Washed UCoMP O1, with soap and water.

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

Fri Jul 23 01:46:54 GMT 2021 Running UCOMP Cookbook 80ms\_dark.ckb  
Fri Jul 23 01:47:06 GMT 2021 Running UCOMP Cookbook 530\_Pol\_Calibrate.ckb  
Fri Jul 23 01:51:48 GMT 2021 Running UCOMP Cookbook 637\_Pol\_Calibrate.ckb  
Fri Jul 23 01:56:25 GMT 2021 Running UCOMP Cookbook 656\_Pol\_Calibrate.ckb  
Fri Jul 23 02:01:00 GMT 2021 Running UCOMP Cookbook 691\_Pol\_Calibrate.ckb  
Fri Jul 23 02:05:36 GMT 2021 Running UCOMP Cookbook 706\_Pol\_Calibrate.ckb  
Fri Jul 23 02:10:11 GMT 2021 Running UCOMP Cookbook 789\_Pol\_Calibrate.ckb  
Fri Jul 23 02:14:47 GMT 2021 Running UCOMP Cookbook 1074\_Pol\_Calibrate.ckb  
Fri Jul 23 02:19:24 GMT 2021 Running UCOMP Cookbook 1079\_Pol\_Calibrate.ckb  
Fri Jul 23 02:23:59 GMT 2021 Running UCOMP Cookbook 1083\_Pol\_Calibrate.ckb  
Fri Jul 23 02:28:33 GMT 2021 Running UCOMP Cookbook all\_coronal\_7\_flats.ckb  
Fri Jul 23 02:47:00 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb  
Fri Jul 23 03:00:28 GMT 2021 UCoMP Paused for clouds  
Fri Jul 23 03:02:21 GMT 2021 UCoMP Restarted from pause  
Fri Jul 23 03:07:31 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb  
Fri Jul 23 03:25:52 GMT 2021 Running UCOMP Cookbook 530\_Scan.ckb  
Fri Jul 23 03:41:14 GMT 2021 Running UCOMP Cookbook 637\_Scan.ckb

ONSITE STAFF: berkey