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Mauna Loa Solar Observatory Observer's Log  
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Tue Dec 10 16:56:49 GMT 2019

Year: 19 Doy: 344

Observer: waters

WEATHER COMMENT: waters: Tue Dec 10 17:13:29 GMT 2019

Temp 40F with windspeed at about 10mph from the South. Sky looks clear.

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

GENERAL COMMENT BY waters: Tue Dec 10 17:19:38 GMT 2019

PM Blew off Kcor 01

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

GENERAL COMMENT BY waters: Tue Dec 10 17:20:46 GMT 2019

Windows opened upstairs

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

KCOR COMMENT BY waters: Tue Dec 10 17:21:31 GMT 2019

Had a SPii exception this morning. Shutting down KCOR2 and rebooting the whole system upstairs, hoping it fixes it.

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

GENERAL COMMENT BY waters: Tue Dec 10 17:25:49 GMT 2019

When rebooting the nema boxes upstairs, I could hear the knocking of the motor that Ben and I heard when we

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

GENERAL COMMENT BY waters: Tue Dec 10 17:49:50 GMT 2019

Kcor above dome

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

Tue Dec 10 17:50:35 GMT 2019 SGS Alignment complete

Tue Dec 10 17:51:19 GMT 2019 Kcor Focus/alignment program exited

Tue Dec 10 17:52:52 GMT 2019 SGS Alignment complete

Tue Dec 10 17:52:32 GMT 2019 KCOR Start Synoptic Patrol

Tue Dec 10 18:27:53 GMT 2019 KCOR End Patrol

Tue Dec 10 18:28:38 GMT 2019 SGS Alignment complete

Tue Dec 10 18:28:19 GMT 2019 KCOR Start Synoptic Patrol

Tue Dec 10 19:01:39 GMT 2019 KCOR End Patrol

Tue Dec 10 19:02:36 GMT 2019 SGS Alignment complete

Tue Dec 10 19:02:19 GMT 2019 KCOR Start Synoptic Patrol

GENERAL COMMENT BY waters: Tue Dec 10 19:52:18 GMT 2019

We ran into the same problem that Ben saw yesterday: from 17:52:32 to 19:44 GMT, the fits were reporting the diffuser, cal pol and cover in MID. Hitting the buttons on the MC4U GUI to verify that the buttons were indeed out of beam. I find it interesting because I had to hit those buttons this morning because the MC4U GUI didn't have either a red or green led on it after restarting the computer. Must only work when the K-Cor Synoptic is actually running. Thank you Ben for clarifying

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

Tue Dec 10 19:57:07 GMT 2019 KCOR End Patrol

Tue Dec 10 19:57:07 GMT 2019 KCOR Start Synoptic Patrol

KCOR COMMENT BY waters: Tue Dec 10 19:59:07 GMT 2019

As soon as we updated the FITS header, it was reporting the Data Type as engineering. Clicking the Science Data button twice updated it to read science.

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

Tue Dec 10 20:46:28 GMT 2019 KCOR End Patrol

Tue Dec 10 20:47:23 GMT 2019 SGS Alignment complete

Tue Dec 10 20:47:06 GMT 2019 KCOR Start Synoptic Patrol  
Tue Dec 10 21:17:00 GMT 2019 KCOR End Patrol  
Tue Dec 10 21:17:55 GMT 2019 SGS Alignment complete  
Tue Dec 10 21:17:37 GMT 2019 KCOR Start Synoptic Patrol  
Tue Dec 10 21:32:52 GMT 2019 KCOR End Patrol  
Tue Dec 10 21:33:43 GMT 2019 SGS Alignment complete  
Tue Dec 10 21:33:25 GMT 2019 KCOR Start Synoptic Patrol  
Tue Dec 10 21:52:50 GMT 2019 KCOR End Patrol  
Tue Dec 10 21:53:30 GMT 2019 SGS Alignment complete  
Tue Dec 10 21:53:10 GMT 2019 KCOR Start Synoptic Patrol  
\*\*\*\*EVENT COMMENT BY waters\*\*\*\* : Tue Dec 10 23:46:03 GMT 2019

At PA 130, there's a prominence that seems to be moving plasma along its arc throughout the day.

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

Wed Dec 11 02:21:37 GMT 2019 KCOR End Patrol

GENERAL COMMENT BY waters: Wed Dec 11 02:27:57 GMT 2019

Nice day, clear all day. Fair seeing and low aerosols at startup. Aerosols increased after 10am but decreased again after about 2pm.

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

ONSITE STAFF: stueben, waters