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Mauna Loa Solar Observatory Observer's Log  
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Tue Jun 9 15:43:28 GMT 2020

Year: 20 Doy: 161

Observer: waters

WEATHER COMMENT: waters: Tue Jun 09 16:16:34 GMT 2020

Temp: 47.9f with windspeed at about 3-8mph from the Northwest. Scattered cirrus covering the Suns' path at present, waiting for it to pass before opening.

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

GENERAL COMMENT BY waters: Tue Jun 09 16:39:47 GMT 2020

PM Blew off Kcor 01

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

GENERAL COMMENT BY waters: Tue Jun 09 16:39:54 GMT 2020

Windows opened upstairs

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

GENERAL COMMENT BY waters: Tue Jun 09 16:42:34 GMT 2020

Couldn't get SGS to guide again. RA kept dropping and the DEC would remain where ever it was placed. Stopping and running SGS again got it to start tracking.

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

Tue Jun 09 16:52:53 GMT 2020 Kcor Focus/alignment program exited

Tue Jun 09 16:55:10 GMT 2020 KCOR Start Synoptic Patrol

GENERAL COMMENT BY waters: Tue Jun 09 17:45:35 GMT 2020

Sky getting a bit bright

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

Tue Jun 09 17:46:20 GMT 2020 KCOR End Patrol

Tue Jun 09 17:46:25 GMT 2020 KCOR End Patrol

Tue Jun 09 17:46:56 GMT 2020 KCOR Start Synoptic Patrol

Tue Jun 09 17:47:43 GMT 2020 KCOR End Patrol

Tue Jun 09 17:47:56 GMT 2020 KCOR End Patrol

GENERAL COMMENT BY waters: Tue Jun 09 17:48:36 GMT 2020

Too bright, Kcor stopped for now

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

Tue Jun 09 17:55:29 GMT 2020 Kcor Focus/alignment program exited

Tue Jun 09 17:57:33 GMT 2020 KCOR Start Synoptic Patrol

Tue Jun 09 18:07:46 GMT 2020 KCOR End Patrol

Tue Jun 09 18:07:56 GMT 2020 KCOR End Patrol

GENERAL COMMENT BY waters: Tue Jun 09 18:08:31 GMT 2020

Too bright again, Kcor stopped

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

Tue Jun 09 18:13:58 GMT 2020 Kcor Focus/alignment program exited

Tue Jun 09 18:15:53 GMT 2020 KCOR Start Synoptic Patrol

Tue Jun 09 19:19:50 GMT 2020 KCOR End Patrol

Tue Jun 09 19:20:02 GMT 2020 KCOR End Patrol

GENERAL COMMENT BY waters: Tue Jun 09 19:20:15 GMT 2020

Sky too bright, Kcor stopped

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

Tue Jun 09 19:26:06 GMT 2020 Kcor Focus/alignment program exited

Tue Jun 09 19:28:23 GMT 2020 KCOR Start Synoptic Patrol  
Tue Jun 09 19:33:08 GMT 2020 KCOR End Patrol  
GENERAL COMMENT BY waters: Tue Jun 09 19:33:22 GMT 2020

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

GENERAL COMMENT BY waters: Tue Jun 09 19:33:36 GMT 2020  
Sky too bright, Kcor stopped

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

GENERAL COMMENT BY waters: Tue Jun 09 19:53:58 GMT 2020  
Cirrus has moved in, waiting for better conditions before starting up again.

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

Tue Jun 09 21:07:51 GMT 2020 Kcor Focus/alignment program exited  
Tue Jun 09 21:09:54 GMT 2020 KCOR Start Synoptic Patrol  
GPS COMMENT by MLSO: Tue Jun 09 21:45:08 GMT 2020

Successfully logged in to system

Good disk mount

GPS software running

Last 5 GPS data files are:

/mnt/usb/dataoutiq\_2020\_156\_2145.bin 2147483647

/mnt/usb/dataoutiq\_2020\_157\_2145.bin 2147483647

/mnt/usb/dataoutiq\_2020\_158\_2145.bin 2147483647

/mnt/usb/dataoutiq\_2020\_159\_2145.bin 2147483647

/mnt/usb/dataoutiq\_2020\_160\_2145.bin 2147483647

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

Tue Jun 09 23:47:21 GMT 2020 KCOR End Patrol  
GENERAL COMMENT BY waters: Tue Jun 09 23:48:01 GMT 2020  
Clouds passed, Kcor paused briefly.

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

Tue Jun 09 23:48:35 GMT 2020 KCOR Start Synoptic Patrol  
GENERAL COMMENT BY waters: Tue Jun 09 23:49:49 GMT 2020  
Going to try and address the two bullet holes in the Southwest of the images that pop up around 23:22:03UT

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

Tue Jun 09 23:53:55 GMT 2020 KCOR End Patrol  
Tue Jun 09 23:54:11 GMT 2020 KCOR End Patrol  
GENERAL COMMENT BY waters: Tue Jun 09 23:59:52 GMT 2020  
Sky too bright and some clouds passing. Kcor stopped for now.

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

GENERAL COMMENT BY waters: Wed Jun 10 00:01:12 GMT 2020  
When I went to blow off the O1, I could see something being blown around in there. I won't know if what I did helped or just moved things to another spot until I'm able to take data again.

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

Wed Jun 10 00:14:59 GMT 2020 Kcor Focus/alignment program exited  
Wed Jun 10 00:20:59 GMT 2020 KCOR Start Synoptic Patrol  
GENERAL COMMENT BY waters: Wed Jun 10 00:25:40 GMT 2020

Looks like the bullet holes are taken care of.

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

Wed Jun 10 00:39:31 GMT 2020 KCOR End Patrol

Wed Jun 10 00:39:40 GMT 2020 KCOR End Patrol

Wed Jun 10 00:39:42 GMT 2020 KCOR Start Synoptic Patrol  
Wed Jun 10 00:44:49 GMT 2020 KCOR End Patrol  
Wed Jun 10 00:44:59 GMT 2020 KCOR End Patrol  
Wed Jun 10 00:45:00 GMT 2020 KCOR Start Synoptic Patrol  
Wed Jun 10 00:45:03 GMT 2020 KCOR End Patrol  
Wed Jun 10 00:46:16 GMT 2020 KCOR Start Synoptic Patrol  
Wed Jun 10 00:50:23 GMT 2020 KCOR End Patrol  
Wed Jun 10 00:50:33 GMT 2020 KCOR End Patrol

Wed Jun 10 00:50:49 GMT 2020 KCOR Start Synoptic Patrol

GENERAL COMMENT BY waters: Wed Jun 10 00:51:44 GMT 2020

Seeing a sudden brightening then it diminishing in the next data image often.

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

Wed Jun 10 01:02:29 GMT 2020 KCOR End Patrol

Wed Jun 10 01:02:41 GMT 2020 KCOR End Patrol

Wed Jun 10 01:02:58 GMT 2020 KCOR Start Synoptic Patrol

Wed Jun 10 01:09:19 GMT 2020 KCOR End Patrol

GENERAL COMMENT BY waters: Wed Jun 10 01:09:35 GMT 2020

Sky way too bright, stopping Kcor.

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

GENERAL COMMENT BY waters: Wed Jun 10 01:13:16 GMT 2020

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

GENERAL COMMENT BY waters: Wed Jun 10 01:13:17 GMT 2020

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

GENERAL COMMENT BY waters: Wed Jun 10 01:13:18 GMT 2020

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

GENERAL COMMENT BY waters: Wed Jun 10 01:27:50 GMT 2020

Sorry, those empty comments were from me cleaning the keyboard.

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

GENERAL COMMENT BY waters: Wed Jun 10 01:29:25 GMT 2020

Aerosols were high from start up and intermittent clouds/cirrus were also a common theme for the day. But in between all that, we got some data, not very clean data but I'd say it was better than yesterday.

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

ONSITE STAFF: waters