
Mauna Loa Solar Observatory Observer's Log

Tue Jan 8 17:18:34 GMT 2002

Year: 02 Doy: 008

Observer: yasukawa

WEATHER COMMENT: Tue Jan 8 17:18:47 GMT 2002

Cool, clear, light southwest breeze.

Tue Jan 8 17:27:30 GMT 2002 MKIV Start Patrol

Tue Jan 8 17:27:29 GMT 2002 CHIP Start Patrol

PSPT COMMENT: Tue Jan 8 17:33:45 GMT 2002

Starting observations.

Tue Jan 8 18:02:06 GMT 2002 CHIP LSD

Tue Jan 8 18:04:18 GMT 2002 CHIP End LSD

Tue Jan 8 18:04:33 GMT 2002 CHIP BiasLSD

Tue Jan 8 18:05:33 GMT 2002 CHIP End BiasLSD

Tue Jan 8 18:05:40 GMT 2002 CHIP Bias

Tue Jan 8 18:06:35 GMT 2002 CHIP End Bias

**** EVENT COMMENT ****: Tue Jan 8 18:05:54 GMT 2002

CME at PA 70-120, first seen as east limb cleared dome wall at 1754 UT.

There are also large prominences floating above east limb on CHIP image.

They do not appear to be lifting at this time.

**** EVENT COMMENT ****: Tue Jan 8 18:29:07 GMT 2002

There is another CME going off at PA 325-360, starting at 1805 UT.

Material can be seen erupting on CHIP beginning at 1800 UT.

**** EVENT COMMENT ****: Tue Jan 8 18:37:06 GMT 2002

CME on east limb is visible (causing motion in corona) all the way

"up to PA 30 and all the way "down" to PA 160.

**** EVENT COMMENT ****: Tue Jan 8 18:49:10 GMT 2002

One can see a large filament in the CHIP animations originating on the disk in the northwest quadrant begin taking off at around 1733 UT. This appears to be the origin of the CME at PA 325-360.

Tue Jan 8 19:02:01 GMT 2002 CHIP LSD

Tue Jan 8 19:04:13 GMT 2002 CHIP End LSD

Tue Jan 8 19:04:26 GMT 2002 CHIP BiasLSD

Tue Jan 8 19:05:23 GMT 2002 CHIP End BiasLSD

Tue Jan 8 19:05:36 GMT 2002 CHIP Bias

Tue Jan 8 19:06:37 GMT 2002 CHIP End Bias

Tue Jan 8 19:44:00 GMT 2002 MKIV End Patrol

Tue Jan 8 19:44:10 GMT 2002 MKIV Start Cal

PSPT COMMENT: Tue Jan 8 19:47:20 GMT 2002

Stopped observation to examine optics.

Tue Jan 8 20:02:07 GMT 2002 CHIP LSD

Tue Jan 8 20:03:40 GMT 2002 MKIV Start Patrol

Tue Jan 8 20:04:19 GMT 2002 CHIP End LSD

Tue Jan 8 20:04:32 GMT 2002 CHIP BiasLSD

Tue Jan 8 20:05:22 GMT 2002 CHIP End BiasLSD

Tue Jan 8 20:05:30 GMT 2002 CHIP Bias

Tue Jan 8 20:06:17 GMT 2002 CHIP End Bias
 PSPT PROBLEM:
 Tue Jan 8 20:40:33 GMT 2002
 Inspected PSPT filters. Used current filter position value minus 6000 to move filter into hatch position for removal using "ftr goto position" command. CaK filter was suspect in causing higher scattered light than Rome images. CaK filter had severe smudging on about 10% of its front surface. I could not remove it with ethyl alcohol. I had to use a Liqui-Nox wash first, then a rinse in ethyl alcohol to remove the smudges. Dusted filter clean and reinstalled it. While I was inside the filter wheel area, I also inspected the blue and red filters. The blue filter had some ine smudging ans spotting that was easily removed with ethyl alcohol. Dusted it off and reinstalled it. Red filter was only dusty. Blew it off and reinstalled it. Since checking the focus mechanism involves more extensive disassembly of the secondary optics package, I decided not to inspect and service it at this time. We should wait until we see if cleaning the filter fixed the problem before proceeding any further.
 PSPT COMMENT: Tue Jan 8 20:51:05 GMT 2002
 Resume observing.
 MKIV PROBLEM:
 Tue Jan 8 20:59:48 GMT 2002
 Aack! Declination reset itself while I was working on PSPT! Repointed spar and reset guider.
 CHIP PROBLEM:
 Tue Jan 8 21:01:06 GMT 2002
 Lost guiding from around 2036 UT.
 Tue Jan 8 21:02:07 GMT 2002 CHIP LSD
 Tue Jan 8 21:04:21 GMT 2002 CHIP End LSD
 Tue Jan 8 21:04:33 GMT 2002 CHIP BiasLSD
 Tue Jan 8 21:05:17 GMT 2002 CHIP End BiasLSD
 Tue Jan 8 21:05:30 GMT 2002 CHIP Bias
 Tue Jan 8 21:06:22 GMT 2002 CHIP End Bias
 PSPT COMMENT: Tue Jan 8 21:22:31 GMT 2002
 Cak images look well focused as far as I can tell.
 Tue Jan 8 22:01:58 GMT 2002 CHIP LSD
 Tue Jan 8 22:04:15 GMT 2002 CHIP End LSD
 Tue Jan 8 22:04:23 GMT 2002 CHIP BiasLSD
 Tue Jan 8 22:05:06 GMT 2002 CHIP End BiasLSD
 Tue Jan 8 22:05:19 GMT 2002 CHIP Bias
 Tue Jan 8 22:06:12 GMT 2002 CHIP End Bias
 Tue Jan 8 22:08:32 GMT 2002 MKIV End Patrol
 Tue Jan 8 22:08:34 GMT 2002 CHIP End Patrol
 PSPT COMMENT: Tue Jan 8 22:13:58 GMT 2002
 End observation.
 Tue Jan 8 22:15:27 GMT 2002
 MkIV

17_27.rawmk4	18_27.rawmk4	19_23.rawmk4	20_30.rawmk4	21_26.rawmk4
17_30.rawmk4	18_30.rawmk4	19_26.rawmk4	20_33.rawmk4	21_29.rawmk4
17_33.rawmk4	18_33.rawmk4	19_29.rawmk4	20_36.rawmk4	21_31.rawmk4

17_36.rawmk4	18_36.rawmk4	19_31.rawmk4	20_38.rawmk4	21_34.rawmk4
17_39.rawmk4	18_39.rawmk4	19_34.rawmk4	20_41.rawmk4	21_37.rawmk4
17_42.rawmk4	18_41.rawmk4	19_37.rawmk4	20_44.rawmk4	21_40.rawmk4
17_45.rawmk4	18_44.rawmk4	19_40.rawmk4	20_47.rawmk4	21_43.rawmk4
17_48.rawmk4	18_47.rawmk4	19_47.rawmk4	20_50.rawmk4	21_46.rawmk4
17_51.rawmk4	18_50.rawmk4	19_53.rawmk4	20_53.rawmk4	21_49.rawmk4
17_54.rawmk4	18_53.rawmk4	19_59.rawmk4	20_56.rawmk4	21_52.rawmk4
17_57.rawmk4	18_56.rawmk4	20_03.rawmk4	20_59.rawmk4	21_55.rawmk4
18_00.rawmk4	18_59.rawmk4	20_06.rawmk4	21_02.rawmk4	22_01.rawmk4
18_02.rawmk4	19_02.rawmk4	20_09.rawmk4	21_05.rawmk4	22_05.rawmk4
18_05.rawmk4	19_05.rawmk4	20_12.rawmk4	21_08.rawmk4	c19_44.rawmk4
18_08.rawmk4	19_08.rawmk4	20_15.rawmk4	21_11.rawmk4	c19_50.rawmk4
18_11.rawmk4	19_11.rawmk4	20_18.rawmk4	21_14.rawmk4	c19_56.rawmk4
18_17.rawmk4	19_14.rawmk4	20_21.rawmk4	21_17.rawmk4	
18_21.rawmk4	19_17.rawmk4	20_24.rawmk4	21_20.rawmk4	
18_24.rawmk4	19_20.rawmk4	20_27.rawmk4	21_23.rawmk4	