
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
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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	
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18_24.rawmk4	19_20.rawmk4	20_27.rawmk4	21_23.rawmk4	