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Mauna Loa Solar Observatory Observer's Log  
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Fri Oct 26 17:02:49 GMT 2001

Year: 01 Doy: 299

Observer: yasukawa

WEATHER COMMENT: Fri Oct 26 17:03:22 GMT 2001

Cool, in scattered cirrus, light south breeze.

COMMENT: Fri Oct 26 17:03:43 GMT 2001

Monitor interface adapter arrived yesterday. Installed it and rerouted cables this morning before turning KCC and MCC on. Both monitors now operational.

Fri Oct 26 17:08:43 GMT 2001 MKIV Start Patrol

Fri Oct 26 17:09:01 GMT 2001 CHIP Start Patrol

Fri Oct 26 17:09:11 GMT 2001 PICS Start Patrol

A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Fri Oct 26 17:22:13 GMT 2001

PSPT COMMENT: Fri Oct 26 17:27:30 GMT 2001

Started PSPT observations.

Fri Oct 26 18:01:56 GMT 2001 CHIP LSD

GONG COMMENT: Fri Oct 26 18:01:48 GMT 2001

Turned on GONG xterm and logged into shelter. Fiberoptic cables have been restored.

Fri Oct 26 18:02:55 GMT 2001 MKIV Start Cal

Fri Oct 26 18:03:10 GMT 2001 PICS Flat

Fri Oct 26 18:04:17 GMT 2001 CHIP End LSD

Fri Oct 26 18:04:26 GMT 2001 CHIP BiasLSD

Fri Oct 26 18:05:13 GMT 2001 CHIP End BiasLSD

Fri Oct 26 18:05:22 GMT 2001 CHIP Bias

Fri Oct 26 18:06:10 GMT 2001 CHIP End Bias

Fri Oct 26 18:06:22 GMT 2001 PICS End Flat

\*\*\*\* EVENT COMMENT \*\*\*\*: Fri Oct 26 18:08:37 GMT 2001

ELP or surge at PA 80 from 1752 UT.

Fri Oct 26 18:21:50 GMT 2001 MKIV End Cal

Fri Oct 26 18:22:02 GMT 2001 MKIV Start Patrol

Fri Oct 26 19:02:12 GMT 2001 CHIP LSD

Fri Oct 26 19:04:35 GMT 2001 CHIP End LSD

Fri Oct 26 19:04:52 GMT 2001 CHIP BiasLSD

Fri Oct 26 19:05:10 GMT 2001 PICS End Patrol

Fri Oct 26 19:05:43 GMT 2001 CHIP End BiasLSD

Fri Oct 26 19:05:58 GMT 2001 CHIP Bias

Fri Oct 26 19:06:46 GMT 2001 CHIP End Bias

PICS COMMENT: Fri Oct 26 19:07:19 GMT 2001

Stopped PICS to increase size of occulter.

Fri Oct 26 19:12:27 GMT 2001 PICS Start Patrol

PICS COMMENT: Fri Oct 26 19:12:20 GMT 2001

Changed from #6 to #5 (larger) occulter. Testing.

Fri Oct 26 19:13:45 GMT 2001 PICS End Patrol  
 PICS COMMENT: Fri Oct 26 19:14:37 GMT 2001  
 OK, #5 looks OK for now. May need to go to #4 soon.  
 Fri Oct 26 19:15:39 GMT 2001 PICS Start Patrol  
 Fri Oct 26 19:25:55 GMT 2001 PICS End Patrol  
 Fri Oct 26 19:50:24 GMT 2001 PICS Start Patrol  
 Fri Oct 26 19:51:38 GMT 2001 PICS End Patrol  
 Fri Oct 26 19:53:26 GMT 2001 PICS Start Patrol  
 Fri Oct 26 19:54:57 GMT 2001 PICS End Patrol  
 PICS COMMENT: Fri Oct 26 19:28:03 GMT 2001  
 Stopping to install ND filter in front of Halle Filter.  
 Fri Oct 26 19:56:42 GMT 2001 PICS Start Patrol  
 Fri Oct 26 19:57:58 GMT 2001 PICS End Patrol  
 PICS COMMENT: Fri Oct 26 19:56:40 GMT 2001  
 Trying different disc exposures with the ND filter installed, starting with  
 20. Originally set at 2.  
 Fri Oct 26 20:00:07 GMT 2001 PICS Start Patrol  
 Fri Oct 26 20:01:27 GMT 2001 PICS End Patrol  
 Fri Oct 26 20:02:49 GMT 2001 PICS Start Patrol  
 Fri Oct 26 20:03:02 GMT 2001 CHIP LSD  
 Fri Oct 26 20:05:23 GMT 2001 CHIP End LSD  
 Fri Oct 26 20:05:31 GMT 2001 CHIP BiasLSD  
 PICS COMMENT: Fri Oct 26 20:04:04 GMT 2001  
 Exposure finally set at 11 where brightest feature tops off histogram at  
 the 75% redline. 13 caused yellow saturation on brightest feature.  
 Andy or David may tweek the value a bit.  
 Fri Oct 26 20:06:15 GMT 2001 CHIP End BiasLSD  
 Fri Oct 26 20:06:27 GMT 2001 CHIP Bias  
 Fri Oct 26 20:07:15 GMT 2001 CHIP End Bias  
 \*\*PICS PROBLEM\*\*: Fri Oct 26 20:39:30 GMT 2001  
 Disk image appears softer with the ND filter in the beam. It was sharper  
 before the change.  
 Fri Oct 26 21:00:09 GMT 2001 CHIP LSD  
 Fri Oct 26 21:02:30 GMT 2001 CHIP End LSD  
 Fri Oct 26 21:02:51 GMT 2001 CHIP BiasLSD  
 Fri Oct 26 21:03:40 GMT 2001 CHIP End BiasLSD  
 Fri Oct 26 21:03:54 GMT 2001 CHIP Bias  
 \*\*PICS PROBLEM\*\*: Fri Oct 26 21:03:00 GMT 2001  
 David agrees image is bad. I found some glass ND filters in our  
 inventory so I will replace the poor quality one that was sent out  
 with one of hopefully better quality. Stopping PICS.  
 Fri Oct 26 21:04:40 GMT 2001 CHIP End Bias  
 Fri Oct 26 21:04:40 GMT 2001 PICS End Patrol  
 Fri Oct 26 21:23:04 GMT 2001 PICS Start Patrol  
 \*\*PICS PROBLEM\*\*: Fri Oct 26 21:22:51 GMT 2001  
 Removed ND filter sent from Boulder and replaced it with an ND 0.5 glass  
 filter found in inventory here. Testing exposure setting.  
 Fri Oct 26 21:24:30 GMT 2001 PICS End Patrol

Fri Oct 26 21:26:20 GMT 2001 PICS Start Patrol

\*\*PICS PROBLEM\*\* Fri Oct 26 21:27:59 GMT 2001

OK, set Disc Exposure to 13 to get a similar histogram.

\*\*\*\* EVENT COMMENT \*\*\*\* Fri Oct 26 21:33:34 GMT 2001

Noticed two active regions taking off on hoike.

One is near the center of the disk, Starting at 1806 ending at 1916 UT, appears to be a flare and an erupting filament. The other event occurred near the limb at PA 280-290, erupting from 1836-1916 UT, extending above the limb, then receding back onto the disk.

\*\*PICS PROBLEM\*\* Fri Oct 26 21:36:40 GMT 2001

The disk exposure was changed from 11 to 13 in /Bin/ProgramDefs.

The histogram of the brightest feature on the disk looks similar to the same feature thru the poor optical quality ND filter installed in PICS earlier. The image on the nene display still looks a bit soft but looks much sharper on the hoike display. It may also look mildly soft due to thin cirrus that moved over station during the replacement.

WEATHER COMMENT: Fri Oct 26 21:58:02 GMT 2001

In orographic clouds.

PSPT COMMENT: Fri Oct 26 21:58:46 GMT 2001

Stopped PSPT observations.

Fri Oct 26 22:00:14 GMT 2001 CHIP LSD

\*\*\*\* EVENT COMMENT \*\*\*\* Fri Oct 26 22:00:12 GMT 2001

I see another filament erupting from the bright active region near the center of the disk, from 2006 UT until the 2103 frame just before the ND filter change.

Fri Oct 26 22:02:32 GMT 2001 CHIP End LSD

Fri Oct 26 22:02:42 GMT 2001 CHIP BiasLSD

Fri Oct 26 22:03:27 GMT 2001 CHIP End BiasLSD

Fri Oct 26 22:03:37 GMT 2001 CHIP Bias

Fri Oct 26 22:03:52 GMT 2001 PICS End Patrol

Fri Oct 26 22:04:20 GMT 2001 CHIP End Bias

Fri Oct 26 22:06:33 GMT 2001 CHIP End Patrol

Fri Oct 26 22:14:06 GMT 2001

MkIV

17_08.rawmk4	18_18.rawmk4	19_21.rawmk4	20_20.rawmk4	21_19.rawmk4
17_11.rawmk4	18_22.rawmk4	19_24.rawmk4	20_23.rawmk4	21_22.rawmk4
17_14.rawmk4	18_24.rawmk4	19_27.rawmk4	20_26.rawmk4	21_25.rawmk4
17_17.rawmk4	18_27.rawmk4	19_30.rawmk4	20_29.rawmk4	21_28.rawmk4
17_20.rawmk4	18_30.rawmk4	19_33.rawmk4	20_32.rawmk4	21_31.rawmk4
17_23.rawmk4	18_33.rawmk4	19_36.rawmk4	20_35.rawmk4	21_34.rawmk4
17_26.rawmk4	18_36.rawmk4	19_39.rawmk4	20_38.rawmk4	21_37.rawmk4
17_29.rawmk4	18_39.rawmk4	19_42.rawmk4	20_41.rawmk4	21_39.rawmk4
17_32.rawmk4	18_45.rawmk4	19_45.rawmk4	20_44.rawmk4	21_42.rawmk4
17_35.rawmk4	18_49.rawmk4	19_48.rawmk4	20_47.rawmk4	21_45.rawmk4
17_38.rawmk4	18_52.rawmk4	19_51.rawmk4	20_50.rawmk4	21_48.rawmk4
17_41.rawmk4	18_55.rawmk4	19_54.rawmk4	20_52.rawmk4	21_51.rawmk4
17_44.rawmk4	18_58.rawmk4	19_57.rawmk4	20_55.rawmk4	21_54.rawmk4

17_47.rawmk4	19_01.rawmk4	20_00.rawmk4	20_58.rawmk4	21_57.rawmk4
17_50.rawmk4	19_04.rawmk4	20_02.rawmk4	21_01.rawmk4	22_03.rawmk4
17_52.rawmk4	19_07.rawmk4	20_05.rawmk4	21_04.rawmk4	c18_02.rawmk4
17_55.rawmk4	19_09.rawmk4	20_08.rawmk4	21_07.rawmk4	c18_09.rawmk4
17_58.rawmk4	19_12.rawmk4	20_11.rawmk4	21_10.rawmk4	c18_15.rawmk4
18_05.rawmk4	19_15.rawmk4	20_14.rawmk4	21_13.rawmk4	
18_12.rawmk4	19_18.rawmk4	20_17.rawmk4	21_16.rawmk4	