
Mauna Loa Solar Observatory Observer's Log

Wed May 28 16:39:02 GMT 1997

Year: 97 Doy: 148

Observer: koon

WEATHER COMMENT: Wed May 28 16:39:08 GMT 1997

Clear sky, wind=5 mph from the West, temp=48 F.

Wed May 28 16:39:42 GMT 1997 CHIP Startup--Initializing new tape

Wed May 28 16:44:14 GMT 1997 dPMon Start Patrol

Wed May 28 16:44:16 GMT 1997 CHIP CHIP Start Patrol

LOW-L COMMENT: Wed May 28 16:53:21 GMT 1997

L00456 popped out of drive #1 as it should, cleaned drive #1 with the new Exabyte 18c cleaning tape and installed L00458 in drive #1. Data going to L00457 in drive #0.

Wed May 28 17:02:58 GMT 1997 dPMon Flat

Wed May 28 17:03:04 GMT 1997 CHIP Bias

Wed May 28 17:03:55 GMT 1997 dPMon End Flat

Wed May 28 17:03:50 GMT 1997 CHIP End Bias

Wed May 28 17:03:58 GMT 1997 CHIP Water

Wed May 28 17:04:27 GMT 1997 CHIP End Water

WEATHER COMMENT: Wed May 28 17:35:12 GMT 1997

Wind has shifted to come from the North, this might cause problems with construction dust and diesel exhaust blowing up here, I'll keep a close watch on that.

Wed May 28 18:02:04 GMT 1997 CHIP Bias

Wed May 28 18:03:00 GMT 1997 dPMon Flat

Wed May 28 18:02:54 GMT 1997 CHIP End Bias

Wed May 28 18:03:04 GMT 1997 CHIP Water

Wed May 28 18:03:35 GMT 1997 CHIP End Water

Wed May 28 18:03:57 GMT 1997 dPMon End Flat

WEATHER COMMENT: Wed May 28 18:49:14 GMT 1997

Luckily the winds have now switched to come out of the West, the sky is still somewhat dusty though.

Wed May 28 19:01:11 GMT 1997 CHIP Bias

Wed May 28 19:02:02 GMT 1997 CHIP End Bias

Wed May 28 19:02:12 GMT 1997 CHIP Water

Wed May 28 19:02:51 GMT 1997 CHIP End Water

Wed May 28 19:03:04 GMT 1997 dPMon Flat

Wed May 28 19:03:59 GMT 1997 dPMon End Flat

Wed May 28 20:00:56 GMT 1997 dPMon Flat

Wed May 28 20:01:03 GMT 1997 CHIP Gain

Wed May 28 20:01:54 GMT 1997 dPMon End Flat

Wed May 28 20:05:09 GMT 1997 CHIP End Gain

Wed May 28 20:05:20 GMT 1997 CHIP Bias

Wed May 28 20:06:02 GMT 1997 CHIP End Bias

Wed May 28 20:06:11 GMT 1997 CHIP Water

Wed May 28 20:06:38 GMT 1997 CHIP End Water

COMMENT: Wed May 28 20:47:22 GMT 1997

Extended the dome slot.

CHIP COMMENT: Wed May 28 20:47:39 GMT 1997

I'm trying to figure out how to remove the heat rejection mirror as requested by David, it looks like it might be removable from the front of the instrument after removing the mechanized cover assembly, but I'm trying to find out if there is another way.

Wed May 28 21:01:03 GMT 1997 dPMon Flat

Wed May 28 21:01:05 GMT 1997 CHIP Bias

Wed May 28 21:01:59 GMT 1997 dPMon End Flat

Wed May 28 21:01:59 GMT 1997 dPMon End Patrol

Wed May 28 21:02:01 GMT 1997 CHIP End Bias

Wed May 28 21:02:09 GMT 1997 CHIP Water

COMMENT: Wed May 28 21:01:59 GMT 1997

Stopping all observations so I can move the Spar around and work on the CHIP Heat Rejecting Filter.

Wed May 28 21:02:42 GMT 1997 CHIP End Water

CHIP COMMENT: Wed May 28 21:22:19 GMT 1997

Couldn't get the Patrol to stop because I tried while it was doing a cal, after that it wouldn't stop and there wasn't any Stop button available.

Used Kill to stop.

CHIP COMMENT: Wed May 28 22:46:56 GMT 1997

Finished testing the intensity of the center of the image of the sun using the "dv" application before removing the HR filter at the front of the instrument, after it was removed, then again after I installed it again. Had to remove the HR and Prefilter assembly in order to get at the HR filter. Before the removal I had a value of 305 at x=776 and y=508, after I removed the HR filter the image shifted to the right on the screen and I was getting a value of 402 at x=1058 and y=516, then after I re-installed the HR filter I got a value of 300 at x=782 and y=498 and the image was shifted back and centered on the screen. All readings were made with a camera exposure of 30 msec. I guess it looks unlikely that the HR filter is degraded since it looks like it is still within light loss specs?

Wed May 28 23:06:07 GMT 1997 CHIP ending tape

COMMENT: Wed May 28 23:07:39 GMT 1997

Activity report:

QP: 45-60; 120-150; 220-240; 270; 312.

No coronal activity.

TAPES:

MKIII: H01565

DPMON: P00895

CHIP: C00313

LOWL: L00457 in drive #0

SCAN-LOG

SCAN-LOG 16:44:38. 5/28/97 DOY 148

16:49:44

16:53:01

16:56:15

16:59:31

17:02:46

17:06:03	17:09:19	17:12:37	17:15:53	17:19:10
17:22:25	17:25:45	17:28:59	17:32:14	17:35:28
17:38:44	17:41:58	17:45:13	17:48:26	17:51:41
17:54:54	17:58:08	1808 0 CL	18:13:23	1822 15CL
18:27:01	18:37:55	18:41:09	18:44:22	18:47:42
18:50:55	18:54:09	18:57:24	19:00:42	19:03:56
19:07:11	19:10:24	19:13:42	19:16:55	19:20:14
19:23:29	19:26:43	19:29:56	19:33:11	19:36:24
19:39:39	19:42:52	19:46:07	19:49:20	19:52:34
19:55:47	19:59:02	20:02:15	20:05:29	20:08:42
20:11:56	20:15:09	20:18:23	20:21:36	20:24:50
20:28:03	20:31:21	20:34:36	20:37:57	20:41:10
20:44:24	20:47:37	20:50:52	20:54:05	20:57:19
21:00:32				

0 ERRORS

OK