
Mauna Loa Solar Observatory Observer's Log

Tue Jul 6 16:15:35 GMT 1999

Year: 99 Doy: 187

Observer: yasukawa

WEATHER COMMENT: Tue Jul 6 16:16:48 GMT 1999

Cold, continued extensive cirrus overcast, thick with diffuse shadows, strong south wind.

LOW-L PROBLEM: Tue Jul 6 16:18:19 GMT 1999

LOWL found crashed with graphics characters across screen. Clock stopped at 04:51 UT.

Popping out L00610 and starting L00611 in drive #1. Loading L00612 into drive #0.

MKIV PROBLEM: Tue Jul 6 16:27:15 GMT 1999

MKIV 99-186 was not popped out.

WEATHER COMMENT: Tue Jul 6 17:45:18 GMT 1999

Hole opening up, cirrus is thinning.

CHIP PROBLEM: Tue Jul 6 17:51:38 GMT 1999

David requested removal of the filter to better inspect and clean it. Since it is clearing, I will document the sun first before removing it.

Tue Jul 6 17:52:54 GMT 1999 CHIP Startup--Initializing new tape

Tue Jul 6 17:53:22 GMT 1999 PICS Start Patrol

Tue Jul 6 17:58:33 GMT 1999 CHIP CHIP Start Patrol

Tue Jul 6 18:00:32 GMT 1999 PICS Flat

Tue Jul 6 18:02:09 GMT 1999 CHIP Bias

Tue Jul 6 18:02:57 GMT 1999 CHIP End Bias

Tue Jul 6 18:03:05 GMT 1999 PICS End Flat

Tue Jul 6 18:03:05 GMT 1999 PICS End Flat

Tue Jul 6 18:03:42 GMT 1999 CHIP End Water

MKIV PROBLEM: Tue Jul 6 18:18:57 GMT 1999

Nahenahe was not doing the overnight chron job the last few nights.

Loaded a tape and Andrew Stanger is writing the data to it.

Tue Jul 6 18:21:52 GMT 1999 MKIII Start Patrol

WEATHER COMMENT: Tue Jul 6 18:34:43 GMT 1999

Still in thin cirrus. May not get coronal skies.

Tue Jul 6 19:00:53 GMT 1999 CHIP Bias

Tue Jul 6 19:01:45 GMT 1999 PICS Flat

Tue Jul 6 19:01:56 GMT 1999 CHIP End Bias

Tue Jul 6 19:02:13 GMT 1999 CHIP Water

Tue Jul 6 19:02:56 GMT 1999 CHIP End Water

WEATHER COMMENT: Tue Jul 6 19:04:49 GMT 1999

In thicker cirrus patch.

999 PICS End Flat

COMMENT: Tue Jul 6 19:05:29 GMT 1999

Stopping to reconfigure dome shutter.

CHIP PROBLEM: Tue Jul 6 19:05:47 GMT 1999

Stopping CHIP, Removing filter.

Tue Jul 6 19:06:26 GMT 1999 CHIP CHIP End Patrol

Tue Jul 6 19:08:10 GMT 1999 PICS End Patrol

Tue Jul 6 19:14:23 GMT 1999 MKIII Start Patrol

WEATHER COMMENT: Tue Jul 6 19:14:32 GMT 1999

In thin cirrus, thick patch passed.

tart Patrol

MKIV PROBLEM: Tue Jul 6 19:34:31 GMT 1999

MKIV data transfer to tape is complete. Labeled tape

MKIV 99183,184,185,186.

Loaded next tape for tonight's transfer if program is fixed.

WEATHER COMMENT: Tue Jul 6 19:49:54 GMT 1999

Clear.

Tue Jul 6 20:00:30 GMT 1999 PICS Flat

Tue Jul 6 20:03:06 GMT 1999 PICS End Flat

Tue Jul 6 21:01:22 GMT 1999 PICS Flat

Tue Jul 6 21:04:05 GMT 1999 PICS End Flat

CHIP PROBLEM: Tue Jul 6 21:33:44 GMT 1999

Removed CHIP filter to inspect it on the workbench. Found residual smudges on the rear window and two bubbles or chips on the corners

of some of the internal elements. There was a larger canine-footprint shaped bubble on one edge on an internal element that appeared to invert the contrast. There was a hairline across one edge of an internal element. I cleaned away the window smudge as best as I could. David and Kim decided we should try squeezing the hairline out--turned out to be a separation air bubble. Tried squeezing the opposite edge first with low torque on the screws on the front surface of the mount. This did not work. Deduced that the air wedge needed to be squeezed together so I gently squeezed on the bubble side and the bubble edged its way out. The canine-footprint bubble enlarged slightly even though it was on the same side as the large bubble. It also changed shape slightly. The other two bubbles/chips did not change. We decided to resolve the large bubble first so I re-installed the filter. Once the filter gets back on temperature and we can observe the sun, we will determine how much improvement the fix made. If there is still some residual degradation, we can then go after the other smaller bubble.

Tue Jul 6 21:54:55 GMT 1999 CHIP ending tape

Tue Jul 6 22:02:30 GMT 1999 PICS Flat

Tue Jul 6 22:05:08 GMT 1999 PICS End Flat

COMMENT: Tue Jul 6 22:06:02 GMT 1999

Tapes:

MKIV: 99-187

CHIP: C00857

PICS: P01478

LOWL: L00611 in drive #1

Tue Jul 6 22:07:50 GMT 1999 PICS End Patrol

Tue Jul 6 22:09:20 GMT 1999

MkIII

18_21.rawmk3	19_14.rawmk3	20_11.rawmk3	20_57.rawmk3	21_43.rawmk3
18_25.rawmk3	19_18.rawmk3	20_16.rawmk3	21_01.rawmk3	21_46.rawmk3
18_29.rawmk3	19_21.rawmk3	20_19.rawmk3	21_05.rawmk3	21_50.rawmk3
18_33.rawmk3	19_25.rawmk3	20_23.rawmk3	21_08.rawmk3	21_54.rawmk3
18_37.rawmk3	19_29.rawmk3	20_27.rawmk3	21_12.rawmk3	21_58.rawmk3
18_41.rawmk3	19_33.rawmk3	20_31.rawmk3	21_16.rawmk3	c19_52.rawmk3
18_45.rawmk3	19_37.rawmk3	20_34.rawmk3	21_20.rawmk3	c19_59.rawmk3
18_49.rawmk3	19_40.rawmk3	20_38.rawmk3	21_23.rawmk3	c20_07.rawmk3
18_53.rawmk3	19_44.rawmk3	20_42.rawmk3	21_27.rawmk3	
18_57.rawmk3	19_48.rawmk3	20_46.rawmk3	21_31.rawmk3	
19_01.rawmk3	19_56.rawmk3	20_49.rawmk3	21_35.rawmk3	
19_05.rawmk3	20_03.rawmk3	20_53.rawmk3	21_39.rawmk3	