
Mauna Loa Solar Observatory Observer's Log

Thu Jul 23 16:52:15 GMT 1998

Year: 98 Doy: 204

Observer: koon

Thu Jul 23 16:55:19 GMT 1998 CHIP Startup--Initializing new tape

WEATHER COMMENT: Thu Jul 23 17:01:06 GMT 1998

Clear sky, wind=15 mph from the SE, temp=50 F.

atrol

Thu Jul 23 17:01:18 GMT 1998 CHIP CHIP Start Patrol

Thu Jul 23 17:01:56 GMT 1998 MKIII Start Patrol

MLSO PROBLEM : Thu Jul 23 17:08:04 GMT 1998

Network won't connect to puu in Boulder, it will get to NCAR but no further.

LOW-L COMMENT: Thu Jul 23 17:09:40 GMT 1998

L00533 popped out of Test drive #1 as it should have. I cleaned the drive and installed L00535.

MKIII COMMENT: Thu Jul 23 17:31:59 GMT 1998

Moving the tilt plate in and out to see if there is a change in the darker regions visible in the scans.

MKIII PROBLEM : Thu Jul 23 17:33:06 GMT 1998

Regarding the darker regions visible in the scans in the NNW and SSW, I don't see it in the realtime scans, but I do see the darkness in the Xanim window showing the time-lapse sequence. Are these images treated differently, is one calibrated while the other isn't? Could something in the calibration be causing the problem?

MKIII PROBLEM : Thu Jul 23 17:38:44 GMT 1998

I just moved the Dark Shutter in and out to see if the Xanim images change. There was no change after moving the tilt plate in and out.

Thu Jul 23 18:01:55 GMT 1998 CHIP Bias

Thu Jul 23 18:02:39 GMT 1998 PICS Flat

Thu Jul 23 18:02:51 GMT 1998 CHIP End Bias

Thu Jul 23 18:03:01 GMT 1998 CHIP Water

Thu Jul 23 18:03:43 GMT 1998 CHIP End Water

Thu Jul 23 18:04:06 GMT 1998 PICS End Flat

MKIII PROBLEM : Thu Jul 23 18:15:25 GMT 1998

I checked out the dome positioning and the MK3 from O1 to slits including the entire outside. I don't see anything that could be causing the darkness problem. It must be something beyond the slits or else its a calibration or electronic problem.

MLSO PROBLEM : Thu Jul 23 18:33:32 GMT 1998

The network connection to Boulder works now. One of Alice's message's mentioned some kind of security test going on over there.

CHIP COMMENT: Thu Jul 23 18:34:28 GMT 1998

Thanks to David for changing the New Day to New Tape and End Day to End Tape for both the CHIP and PICS control buttons.

Thu Jul 23 19:01:57 GMT 1998 CHIP Bias

Thu Jul 23 19:02:36 GMT 1998 PICS Flat
Thu Jul 23 19:03:00 GMT 1998 CHIP End Bias
Thu Jul 23 19:03:10 GMT 1998 CHIP Water
Thu Jul 23 19:03:50 GMT 1998 CHIP End Water
Thu Jul 23 19:04:08 GMT 1998 PICS End Flat

COMMENT: Thu Jul 23 19:55:25 GMT 1998
Extended the dome slot.

MKIII COMMENT: Thu Jul 23 20:01:15 GMT 1998

MKIII PROBLEM: Thu Jul 23 20:01:31 GMT 1998

I checked the occulting disk focal plane more closely and I can see what may be vignetting in the image there, or it may be that a reflection from the back of the O1 is not concentric with the occulting disk. It is difficult to see since the light is faint and right next to the intense light reflecting off the occulting disk. I'll investigate further.

Thu Jul 23 20:06:20 GMT 1998 CHIP End Gain
Thu Jul 23 20:06:32 GMT 1998 CHIP Bias
Thu Jul 23 20:07:24 GMT 1998 CHIP End Bias
Thu Jul 23 20:07:33 GMT 1998 CHIP Water

MKIII PROBLEM: Thu Jul 23 20:07:54 GMT 1998

No Xanim display.

9 GMT 1998 CHIP End Water

MKIII COMMENT: Thu Jul 23 20:48:51 GMT 1998

Late cal.

Thu Jul 23 21:02:44 GMT 1998 PICS Flat
Thu Jul 23 21:02:52 GMT 1998 CHIP Bias
Thu Jul 23 21:03:55 GMT 1998 CHIP End Bias
Thu Jul 23 21:04:05 GMT 1998 CHIP Water
Thu Jul 23 21:04:17 GMT 1998 PICS End Flat
Thu Jul 23 21:04:50 GMT 1998 CHIP End Water
Thu Jul 23 22:02:41 GMT 1998 PICS Flat
Thu Jul 23 22:02:50 GMT 1998 CHIP Bias
Thu Jul 23 22:03:55 GMT 1998 CHIP End Bias
Thu Jul 23 22:04:11 GMT 1998 CHIP Water
Thu Jul 23 22:04:11 GMT 1998 CHIP Water
Thu Jul 23 22:04:59 GMT 1998 CHIP End Water

MKIII PROBLEM: Thu Jul 23 22:22:40 GMT 1998

I've been checking out the instrument as often as I can. I tried tilting the O1 about 10 minutes ago but didn't see any change at the occulter or on the scans. The lift has run out of battery energy so I am charging it right now.

**** EVENT COMMENT ****: Thu Jul 23 22:37:51 GMT 1998

Possible small CME at PA=110 starting at around 1945 ut.

MKIII PROBLEM: Thu Jul 23 22:43:24 GMT 1998

The lift won't charge up fast enough for me to use anymore today. The next things to check would be tilt and rotation of the O1 to see if the dark regions of the scan move with the O1. We know that the occulting is good and that the optics beyond the slots are probably good. We also know that there is a reflection (probably) of some type visible at the occulter. There is also a lot of Central American smoke in the air, it has been around since

last week at least.

Thu Jul 23 23:15:54 GMT 1998 CHIP ending tape

COMMENT: Thu Jul 23 23:31:19 GMT 1998

TAPES:

PICS: P01250

CHIP: C00645

LOWL: L00534 in drive #0

Thu Jul 23 23:34:39 GMT 1998

MkIII

17_02.rawmk3	18_18.rawmk3	19_34.rawmk3	20_53.rawmk3	22_15.rawmk3
17_05.rawmk3	18_21.rawmk3	19_37.rawmk3	20_59.rawmk3	22_18.rawmk3
17_07.rawmk3	18_23.rawmk3	19_39.rawmk3	21_05.rawmk3	22_21.rawmk3
17_10.rawmk3	18_26.rawmk3	19_42.rawmk3	21_08.rawmk3	22_24.rawmk3
17_13.rawmk3	18_29.rawmk3	19_45.rawmk3	21_11.rawmk3	22_27.rawmk3
17_16.rawmk3	18_32.rawmk3	19_48.rawmk3	21_14.rawmk3	22_30.rawmk3
17_19.rawmk3	18_35.rawmk3	19_51.rawmk3	21_17.rawmk3	22_33.rawmk3
17_22.rawmk3	18_38.rawmk3	19_54.rawmk3	21_20.rawmk3	22_36.rawmk3
17_25.rawmk3	18_41.rawmk3	19_57.rawmk3	21_23.rawmk3	22_39.rawmk3
17_28.rawmk3	18_44.rawmk3	20_00.rawmk3	21_26.rawmk3	22_42.rawmk3
17_31.rawmk3	18_47.rawmk3	20_03.rawmk3	21_29.rawmk3	22_45.rawmk3
17_34.rawmk3	18_50.rawmk3	20_06.rawmk3	21_31.rawmk3	22_47.rawmk3
17_37.rawmk3	18_53.rawmk3	20_09.rawmk3	21_34.rawmk3	22_50.rawmk3
17_40.rawmk3	18_56.rawmk3	20_12.rawmk3	21_37.rawmk3	22_53.rawmk3
17_43.rawmk3	18_59.rawmk3	20_15.rawmk3	21_40.rawmk3	22_56.rawmk3
17_45.rawmk3	19_01.rawmk3	20_17.rawmk3	21_43.rawmk3	22_59.rawmk3
17_48.rawmk3	19_04.rawmk3	20_20.rawmk3	21_46.rawmk3	23_02.rawmk3
17_51.rawmk3	19_07.rawmk3	20_23.rawmk3	21_49.rawmk3	23_05.rawmk3
17_54.rawmk3	19_10.rawmk3	20_26.rawmk3	21_52.rawmk3	23_08.rawmk3
17_57.rawmk3	19_13.rawmk3	20_29.rawmk3	21_55.rawmk3	23_11.rawmk3
18_00.rawmk3	19_16.rawmk3	20_32.rawmk3	21_58.rawmk3	23_14.rawmk3
18_03.rawmk3	19_19.rawmk3	20_35.rawmk3	22_01.rawmk3	c20_50.rawmk3
18_06.rawmk3	19_22.rawmk3	20_38.rawmk3	22_04.rawmk3	c20_56.rawmk3
18_09.rawmk3	19_25.rawmk3	20_41.rawmk3	22_07.rawmk3	c21_02.rawmk3
18_12.rawmk3	19_28.rawmk3	20_44.rawmk3	22_09.rawmk3	
18_15.rawmk3	19_31.rawmk3	20_47.rawmk3	22_12.rawmk3	