
Mauna Loa Solar Observatory Observer's Log

Sat Jun 26 16:57:58 GMT 1999

Year: 99 Doy: 177

Observer: koon

WEATHER COMMENT: Sat Jun 26 16:58:04 GMT 1999

Clear sky, wind=5 mph from the SE, temp=52 F.

Sat Jun 26 16:58:59 GMT 1999 CHIP Startup--Initializing new tape

Sat Jun 26 16:59:29 GMT 1999 CHIP CHIP Start Patrol

Sat Jun 26 17:03:06 GMT 1999 CHIP Bias

Sat Jun 26 17:03:56 GMT 1999 CHIP End Bias

Sat Jun 26 17:04:03 GMT 1999 CHIP Water

Sat Jun 26 17:04:41 GMT 1999 CHIP End Water

Sat Jun 26 17:54:26 GMT 1999 MKIII Start Cal

Sat Jun 26 18:01:50 GMT 1999 CHIP Bias

Sat Jun 26 18:02:52 GMT 1999 CHIP End Bias

Sat Jun 26 18:03:02 GMT 1999 CHIP Water

Sat Jun 26 18:03:39 GMT 1999 CHIP End Water

Sat Jun 26 18:17:51 GMT 1999 MKIII Start Patrol

Sat Jun 26 19:00:59 GMT 1999 CHIP Bias

Sat Jun 26 19:01:52 GMT 1999 CHIP End Bias

Sat Jun 26 19:02:04 GMT 1999 CHIP Water

Sat Jun 26 19:02:46 GMT 1999 CHIP End Water

Sat Jun 26 20:00:47 GMT 1999 CHIP Gain

Sat Jun 26 20:05:17 GMT 1999 CHIP End Gain

Sat Jun 26 20:05:27 GMT 1999 CHIP Bias

Sat Jun 26 20:06:16 GMT 1999 CHIP End Bias

Sat Jun 26 20:06:35 GMT 1999 CHIP Water

Sat Jun 26 20:07:20 GMT 1999 CHIP End Water

COMMENT: Sat Jun 26 20:39:59 GMT 1999

Extended the dome slot.

COMMENT: Sat Jun 26 20:54:58 GMT 1999

I got distracted while giving a tour and the dome was blocking the instruments for a while before I moved it.

Sat Jun 26 21:01:51 GMT 1999 CHIP Bias

Sat Jun 26 21:02:47 GMT 1999 CHIP End Bias

Sat Jun 26 21:03:07 GMT 1999 CHIP Water

Sat Jun 26 21:03:57 GMT 1999 CHIP End Water

PICS COMMENT: Sat Jun 26 21:40:16 GMT 1999

I was moving the spar around about 20 minutes ago to check on some things.

****PICS PROBLEM****: Sat Jun 26 21:42:44 GMT 1999

I noticed that the objective wheel was in the Opal position instead of the Clear position as it should be for observing. So I tried moving the objective wheel and it keeps timing out and sometimes ends up halfway between positions. I tried running Video to see what Eric saw, when the wheel looks to be in the clear position the Opal field is white and the Clear field is yellow, very strange. But in that clear position I can see

how the image looks overexposed and noticed that the shutter stays open for at least half a second no matter what the exposure time is set to. So there are 2 problems, the objective wheel and the shutter speed. To address the latter problem I halted the computer and did another boot -r to see if anything would change. I saw the messages about the camera tasks being started at bootup. This time the shutter would stay open for 5 seconds and then closed for 5 seconds even though the exposure time was set to 1 millisecond.

```
Sat Jun 26 22:01:50 GMT 1999    CHIP    Bias
Sat Jun 26 22:02:44 GMT 1999    CHIP    End Bias
Sat Jun 26 22:02:58 GMT 1999    CHIP    Water
Sat Jun 26 22:03:45 GMT 1999    CHIP    End Water
```

PICS PROBLEM : Sat Jun 26 22:13:22 GMT 1999

The objective wheel section of the GUI monitor shows the Opal field in white, the Clear field is no longer yellow. Light is coming down from the objective through a clear opening in the objective wheel. I found that when I run Video then the shutter stays open for about 0.5 seconds, and when I run Monitor it stays open for about 5 seconds. I made sure the correct camera was set using 'sd'. The same symptoms are still here regardless of reboot and 'sd' check.

```
Sat Jun 26 22:25:34 GMT 1999    CHIP    CHIP End Patrol
Sat Jun 26 22:47:49 GMT 1999    CHIP    ending tape
COMMENT: Sat Jun 26 22:58:55 GMT 1999
```

TAPES:

```
MKIV: 99177
CHIP: C00848
LOWL: L00607 in drive #1
PICS: Down for repairs.
Sat Jun 26 23:00:08 GMT 1999
    MkIII
```

17_02.rawmk3	18_21.rawmk3	19_29.rawmk3	20_37.rawmk3	21_44.rawmk3
17_05.rawmk3	18_25.rawmk3	19_33.rawmk3	20_40.rawmk3	21_48.rawmk3
17_09.rawmk3	18_29.rawmk3	19_36.rawmk3	20_44.rawmk3	21_52.rawmk3
17_13.rawmk3	18_33.rawmk3	19_40.rawmk3	20_48.rawmk3	21_56.rawmk3
17_17.rawmk3	18_36.rawmk3	19_44.rawmk3	20_52.rawmk3	21_59.rawmk3
17_20.rawmk3	18_40.rawmk3	19_48.rawmk3	20_55.rawmk3	22_03.rawmk3
17_24.rawmk3	18_44.rawmk3	19_51.rawmk3	20_59.rawmk3	22_07.rawmk3
17_28.rawmk3	18_47.rawmk3	19_55.rawmk3	21_03.rawmk3	22_11.rawmk3
17_32.rawmk3	18_51.rawmk3	19_59.rawmk3	21_07.rawmk3	22_15.rawmk3
17_35.rawmk3	18_55.rawmk3	20_03.rawmk3	21_11.rawmk3	22_18.rawmk3
17_39.rawmk3	18_59.rawmk3	20_07.rawmk3	21_14.rawmk3	22_22.rawmk3
17_43.rawmk3	19_03.rawmk3	20_10.rawmk3	21_18.rawmk3	c17_54.rawmk3
17_47.rawmk3	19_06.rawmk3	20_14.rawmk3	21_22.rawmk3	c18_02.rawmk3
17_50.rawmk3	19_10.rawmk3	20_18.rawmk3	21_26.rawmk3	c18_10.rawmk3
17_58.rawmk3	19_14.rawmk3	20_22.rawmk3	21_29.rawmk3	

18_06.rawmk3	19_18.rawmk3	20_25.rawmk3	21_33.rawmk3
18_14.rawmk3	19_21.rawmk3	20_29.rawmk3	21_37.rawmk3
18_17.rawmk3	19_25.rawmk3	20_33.rawmk3	21_41.rawmk3