Mauna Loa Solar Observatory Observer's Log ______ Sat Sep 23 16:53:47 GMT 2000 Year: 00 Doy: 267 Observer: koon Sat Sep 23 16:54:43 GMT 2000 CHIP Startup--Initializing new tape Sat Sep 23 16:57:43 GMT 2000 Start Patrol MKIV Sat Sep 23 16:57:53 GMT 2000 CHIP Start 7 Passband Patrol CHIP Sat Sep 23 16:57:58 GMT 2000 PICS Start Patrol Sat Sep 23 18:03:14 GMT 2000 PICS Flat Sat Sep 23 18:06:56 GMT 2000 PICS End Flat **MKIV PROBLEM**: Sat Sep 23 18:56:23 GMT 2000 It looks like the tape only got 2 or 3 files yesterday before the writing stopped There was a Media error message on the screen this morning. I'll toss the tape and write the files to a new tape. WEATHER COMMENT: Sat Sep 23 18:58:30 GMT 2000 Forgot to include this earlier, at 7 am the wind=5 mph from the SE, temp=47 F, sky was and still is clear. Sat Sep 23 20:01:38 GMT 2000 Gain7 CHIP Sat Sep 23 20:10:01 GMT 2000 CHIP End Gain Sat Sep 23 20:10:18 GMT 2000 CHIP Bias Sat Sep 23 20:11:25 GMT 2000 CHIP End Bias **MLSO PROBLEM**: Sat Sep 23 20:12:28 GMT 2000 Pausing instruments while I do some work on the dome shutter binding problem. Sat Sep 23 20:15:31 GMT 2000 CHIP CHIP End Patrol Sat Sep 23 20:16:43 GMT 2000 PICS End Patrol Sat Sep 23 20:37:58 GMT 2000 MKIV Start Patrol Sat Sep 23 20:38:21 GMT 2000 CHIP CHIP Start 7 Passband Patrol Sat Sep 23 20:38:34 GMT 2000 PICS Start Patrol **MLSO PROBLEM**: Sat Sep 23 20:43:22 GMT 2000 I removed the worn shutter rack guide amd will figure the best way to replace it, for now we must avoid opening the dome beyond 1 foot from the fully opened position to avoid the gear jumping out of the track. It is obvious that the shutter is warped compare to the dome, it is twisted slightly and the radius of curvature is greater than the dome. There is reference to "fixing the warped dome" in some old dome related papers, maybe the fixing never happened. Anyway, we should be OK with a new L-bracket shaped guide. COMMENT: Sat Sep 23 20:47:30 GMT 2000 Extended the dome slot. **MKIV PROBLEM**: Sat Sep 23 20:47:44 GMT 2000 I got the data from d266 to tape, I kept getting "tape write errors" so it took 3 tries using the same tape. WEATHER COMMENT: Sat Sep 23 21:36:55 GMT 2000 Medium cirrostratus has moved in, closing down to go vote. Sat Sep 23 21:38:17 GMT 2000 CHIP CHIP End Patrol Sat Sep 23 21:38:44 GMT 2000 PICS End Patrol

CHIP

ending tape

Sat Sep 23 21:41:28 GMT 2000

```
COMMENT: Sat Sep 23 21:52:45 GMT 2000
```

TAPES: *****

MKIV: 00-267 CHIP: C01228 PICS: P01847

LOWL: Being upgraded.

Sat Sep 23 21:54:10 GMT 2000 MkIV

16_57.rawmk4	17_51.rawmk4	18_55.rawmk4	19_49.rawmk4	21_04.rawmk4
17_00.rawmk4	17_54.rawmk4	18_58.rawmk4	19_52.rawmk4	21_07.rawmk4
17_03.rawmk4	17_57.rawmk4	19_01.rawmk4	19_55.rawmk4	21_10.rawmk4
17_06.rawmk4	18_00.rawmk4	19_04.rawmk4	19_59.rawmk4	21_13.rawmk4
17_09.rawmk4	18_03.rawmk4	19_07.rawmk4	20_02.rawmk4	21_16.rawmk4
17_12.rawmk4	18_06.rawmk4	19_10.rawmk4	20_05.rawmk4	21_19.rawmk4
17_15.rawmk4	18_09.rawmk4	19_13.rawmk4	20_07.rawmk4	21_22.rawmk4
17_18.rawmk4	18_12.rawmk4	19_16.rawmk4	20_10.rawmk4	21_25.rawmk4
17_21.rawmk4	18_18.rawmk4	19_19.rawmk4	20_13.rawmk4	21_28.rawmk4
17_24.rawmk4	18_25.rawmk4	19_22.rawmk4	20_37.rawmk4	21_31.rawmk4
17_27.rawmk4	18_31.rawmk4	19_25.rawmk4	20_40.rawmk4	21_34.rawmk4
17_30.rawmk4	18_34.rawmk4	19_28.rawmk4	20_43.rawmk4	c18_15.rawmk4
17_33.rawmk4	18_37.rawmk4	19_31.rawmk4	20_46.rawmk4	c18_22.rawmk4
17_36.rawmk4	18_40.rawmk4	19_34.rawmk4	20_49.rawmk4	c18_28.rawmk4
17_39.rawmk4	18_43.rawmk4	19_37.rawmk4	20_52.rawmk4	
17_42.rawmk4	18_46.rawmk4	19_40.rawmk4	20_55.rawmk4	

20_58.rawmk4

21_01.rawmk4