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Mauna Loa Solar Observatory Observer's Log  
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Thu May 20 16:53:46 GMT 1999

Year: 99 Doy: 140

Observer: koon

WEATHER COMMENT: Thu May 20 16:53:59 GMT 1999

Clear sky, wind=15 mph from the South, temp=40 F.

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Thu May 20 16:56:34 GMT 1999 PICS Start Patrol

Thu May 20 17:00:28 GMT 1999 PICS Flat

Thu May 20 17:01:32 GMT 1999 PICS End Flat

\*\*LOW-L PROBLEM\*\* : Thu May 20 17:42:59 GMT 1999

Tape L00599 was popped out of drive #0 as it should have been, but the computer screen showed a DOS prompt and the observing program wasn't running. This has been happening regularly lately, at least on the switch from drive #0 to drive #1. We know that data will go to drive #1 so this switching problem appears to be software related. I removed L00599 from drive #0 and left L00600 in drive #1 and put L00601 in drive #0. Then I restarted with data going to drive #1, we'll see if the change from drive #1 to drive #0 goes more smoothly.

Thu May 20 18:00:24 GMT 1999 PICS Flat

Thu May 20 18:01:33 GMT 1999 PICS End Flat

Thu May 20 19:00:31 GMT 1999 PICS Flat

Thu May 20 19:01:44 GMT 1999 PICS End Flat

Thu May 20 20:00:29 GMT 1999 PICS Flat

Thu May 20 20:01:41 GMT 1999 PICS End Flat

Thu May 20 21:00:26 GMT 1999 PICS Flat

Thu May 20 21:01:35 GMT 1999 PICS End Flat

\*\*PSPT PROBLEM\*\* : Thu May 20 21:18:11 GMT 1999

OK, I fixed the problem and I'm taking data again. The root of the problems was that the declination limit switch was being tripped at the positive limit. This prevented the fast mirror from locking in on the sun and also caused some strange pointing related problems because ephmcals were run without the declination axis being involved. A new Dec limit ring with the correct declination range is being mailed to us by Roy, so hopefully we won't bump into this problem again.

Thu May 20 22:00:32 GMT 1999 PICS Flat

Thu May 20 22:01:41 GMT 1999 PICS End Flat

Thu May 20 22:10:53 GMT 1999 PICS End Patrol

\*\*PSPT PROBLEM\*\* : Thu May 20 22:36:57 GMT 1999

The noontime images are starting to get vignetted by the dome due to the path of the sun this time of year (in Hawaii) and the way the dome is pointed by software. We will need to at least comment out the auto pointing software routine and point the dome manually for a few months.

COMMENT: Thu May 20 22:53:10 GMT 1999

TAPES:

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MKIV: 99140

PICS: P01445

LOWL: L00600 in drive #1

CHIP: Down for repair.

Thu May 20 22:54:46 GMT 1999

MkIII

16_56.rawmk3	18_08.rawmk3	19_16.rawmk3	20_20.rawmk3	21_23.rawmk3
17_00.rawmk3	18_15.rawmk3	19_19.rawmk3	20_23.rawmk3	21_27.rawmk3
17_04.rawmk3	18_19.rawmk3	19_23.rawmk3	20_27.rawmk3	21_31.rawmk3
17_07.rawmk3	18_23.rawmk3	19_27.rawmk3	20_31.rawmk3	21_35.rawmk3
17_11.rawmk3	18_27.rawmk3	19_31.rawmk3	20_34.rawmk3	21_38.rawmk3
17_15.rawmk3	18_31.rawmk3	19_34.rawmk3	20_38.rawmk3	21_42.rawmk3
17_19.rawmk3	18_34.rawmk3	19_38.rawmk3	20_42.rawmk3	21_46.rawmk3
17_22.rawmk3	18_38.rawmk3	19_42.rawmk3	20_46.rawmk3	21_50.rawmk3
17_26.rawmk3	18_42.rawmk3	19_46.rawmk3	20_49.rawmk3	21_53.rawmk3
17_30.rawmk3	18_46.rawmk3	19_49.rawmk3	20_53.rawmk3	21_57.rawmk3

17_33.rawmk3	18_49.rawmk3	19_53.rawmk3	20_57.rawmk3	22_01.rawmk3
17_37.rawmk3	18_53.rawmk3	19_57.rawmk3	21_01.rawmk3	22_05.rawmk3
17_41.rawmk3	18_57.rawmk3	20_01.rawmk3	21_05.rawmk3	22_08.rawmk3
17_45.rawmk3	19_01.rawmk3	20_04.rawmk3	21_08.rawmk3	c17_56.rawmk3
17_48.rawmk3	19_04.rawmk3	20_08.rawmk3	21_12.rawmk3	c18_04.rawmk3
17_52.rawmk3	19_08.rawmk3	20_12.rawmk3	21_16.rawmk3	c18_12.rawmk3
18_00.rawmk3	19_12.rawmk3	20_16.rawmk3	21_20.rawmk3	