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Mauna Loa Solar Observatory Observer's Log  
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Wed May 19 17:03:11 GMT 1999

Year: 99 Doy: 139

Observer: koon

WEATHER COMMENT: Wed May 19 17:03:14 GMT 1999

Very thin cirrostratus, wind=5 mph from the SSE, temp=45 F.

\*\*MKIV PROBLEM\*\*: Wed May 19 17:09:34 GMT 1999

The scan display screen wouldn't come up OK, the Fail LEDs were lit on the KCC, I reset the KCC but they were still lit, I cycled the switched power switch and all came up as it should.

Wed May 19 18:00:32 GMT 1999 PICS Flat

Wed May 19 18:01:41 GMT 1999 PICS End Flat

Wed May 19 19:00:27 GMT 1999 PICS Flat

Wed May 19 19:01:33 GMT 1999 PICS End Flat

\*\*PSPT PROBLEM\*\*: Wed May 19 19:07:12 GMT 1999

I haven't been able to get this to lock on the sun this morning despite clear sky. I'm still trying to find the cause of the problem(s).

COMMENT: Wed May 19 19:44:41 GMT 1999

Routed and connected the new X and Y spar guider cables.

\*\*PSPT PROBLEM\*\*: Wed May 19 19:57:54 GMT 1999

It is pointing and taking data again. I went through about 4 or 5 iterations of trying everything logical to get the telescope to lock on the sun, then I did an ephmcal (Eric did one yesterday) and went through the same iteration of steps and this time the telescope locked onto the sun and continued and took data. I had to point the telescope manually to center the image on the mirror despite having just run an ephmcal before that, it should have pointed fairly well before trying to lock on the sun but it didn't. It pointed about as close as earlier today, but when I pointed the telescope so that the image was centered on the mirror earlier it didn't help the telescope lock on the sun. What changed while running ephmcal that wouldn't cause the telescope to point any closer to the sun but would allow the active mirror to lock on the sun when I pointed it manually, very weird.

\*\*PSPT PROBLEM\*\*: Wed May 19 20:13:24 GMT 1999

Well that didn't last long. Same old messages I've been getting all day about telescope not pointed at sun, but, like earlier, the QCsum is up there at around 1700 and the image of the sun is fairly well centered on the mirror. That means the QC (QuadCell) should be able to enable the active mirror to lock on the sun, but that isn't happening.

COMMENT: Wed May 19 20:23:18 GMT 1999

Extended the dome slot.

Wed May 19 21:00:31 GMT 1999 PICS Flat

Wed May 19 21:01:37 GMT 1999 PICS End Flat

Wed May 19 22:00:27 GMT 1999 PICS Flat

Wed May 19 22:01:31 GMT 1999 PICS End Flat

WEATHER COMMENT: Wed May 19 22:06:18 GMT 1999

Orographic clouds are moving in.

\*\*PSPT PROBLEM\*\*: Wed May 19 22:06:32 GMT 1999

Problem(s) are still unresolved, I'll continue tomorrow.

Wed May 19 22:10:01 GMT 1999 MKIII End Patrol

COMMENT: Wed May 19 22:35:05 GMT 1999

TAPES:

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MKIV: 99139

PICS: P01444

LOWL: L00599 in drive #0

CHIP: Down for repair.

Wed May 19 22:36:06 GMT 1999

MkIII

17_09.rawmk3	18_21.rawmk3	19_21.rawmk3	20_21.rawmk3	21_21.rawmk3
17_12.rawmk3	18_25.rawmk3	19_24.rawmk3	20_25.rawmk3	21_25.rawmk3
17_16.rawmk3	18_28.rawmk3	19_28.rawmk3	20_28.rawmk3	21_28.rawmk3
17_20.rawmk3	18_32.rawmk3	19_32.rawmk3	20_32.rawmk3	21_32.rawmk3

17_24.rawmk3	18_36.rawmk3	19_36.rawmk3	20_36.rawmk3	21_36.rawmk3
17_27.rawmk3	18_39.rawmk3	19_39.rawmk3	20_40.rawmk3	21_40.rawmk3
17_31.rawmk3	18_43.rawmk3	19_43.rawmk3	20_43.rawmk3	21_43.rawmk3
17_35.rawmk3	18_47.rawmk3	19_47.rawmk3	20_47.rawmk3	21_47.rawmk3
17_39.rawmk3	18_51.rawmk3	19_51.rawmk3	20_51.rawmk3	21_51.rawmk3
17_42.rawmk3	18_54.rawmk3	19_54.rawmk3	20_55.rawmk3	21_55.rawmk3
17_46.rawmk3	18_58.rawmk3	19_58.rawmk3	20_58.rawmk3	21_58.rawmk3
17_50.rawmk3	19_02.rawmk3	20_02.rawmk3	21_02.rawmk3	22_02.rawmk3
17_54.rawmk3	19_06.rawmk3	20_06.rawmk3	21_06.rawmk3	22_06.rawmk3
17_57.rawmk3	19_10.rawmk3	20_10.rawmk3	21_10.rawmk3	c18_01.rawmk3
18_05.rawmk3	19_13.rawmk3	20_13.rawmk3	21_13.rawmk3	c18_09.rawmk3
18_13.rawmk3	19_17.rawmk3	20_17.rawmk3	21_17.rawmk3	c18_17.rawmk3