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Mauna Loa Solar Observatory Observer's Log  
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Tue Apr 29 16:51:58 GMT 2003

Year: 03 Doy: 119

Observer: koon

Tue Apr 29 16:57:23 GMT 2003 CHIP Start Patrol

Tue Apr 29 16:57:32 GMT 2003 PICS Start Patrol

Tue Apr 29 17:00:24 GMT 2003 MKIV Start Patrol

WEATHER COMMENT: Tue Apr 29 16:52:02 GMT 2003

Clear bright sky, no wind, temp=40 F.

MKIV COMMENT: Tue Apr 29 17:00:54 GMT 2003

Centered occulting.

PSPT COMMENT: Tue Apr 29 17:11:55 GMT 2003

Observing.

A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Tue Apr 29 17:20:41 GMT 2003

Tue Apr 29 18:00:51 GMT 2003 CHIP LSD

Tue Apr 29 18:02:50 GMT 2003 CHIP End LSD

Tue Apr 29 18:02:59 GMT 2003 PICS Flat

Tue Apr 29 18:04:00 GMT 2003 CHIP End BiasLSD

Tue Apr 29 18:04:14 GMT 2003 CHIP Bias

Tue Apr 29 18:05:14 GMT 2003 CHIP End Bias

Tue Apr 29 18:05:30 GMT 2003 PICS End Flat

\*\*MKIV PROBLEM\*\*: Tue Apr 29 18:22:16 GMT 2003

The O1 guiders don't work, if I leave the logic switch on downstairs I don't see the motors working upstairs. The motors are energized, and I can move them by hand, so they are acting the same way they did when connected to the previous bad power supply that was recently replaced.

Tue Apr 29 19:28:46 GMT 2003 MKIV End Patrol

Tue Apr 29 19:29:02 GMT 2003 MKIV Start Cal

\*\*PSPT PROBLEM\*\*: Tue Apr 29 19:45:42 GMT 2003

Getting the "sun too low, go back to bed" error message, not sure how long it has been repeatedly displaying.

Tue Apr 29 19:47:45 GMT 2003 MKIV End Cal

Tue Apr 29 19:47:59 GMT 2003 MKIV Start Patrol

COMMENT: Tue Apr 29 20:01:11 GMT 2003

Extended the dome slot.

Tue Apr 29 20:05:50 GMT 2003 MKIV End Patrol

Tue Apr 29 20:37:36 GMT 2003 MKIV Start Patrol

\*\*PSPT PROBLEM\*\*: Tue Apr 29 20:30:03 GMT 2003

Dust cover was closed, tried restarting but had no success, the Sparc wasn't communicating with the PC. Rebooted PC and did a total shutdown and startup, then everything went well after that.

A message from Alice says her tests were what accidentally killed the Pspt, so there isn't an ongoing problem that caused the crash earlier.

\*\*MKIV PROBLEM\*\*: Tue Apr 29 20:43:02 GMT 2003

I tried swapping the PS2 and PS1 DC outputs to power the O1 guider card with a known good power supply (the new one that powers the mk4 barrel card).

Neither DC input would get the guiders to move. The O1 is left in one position for now, it can't be easily centered yet.

\*\*PSPT PROBLEM\*\*: Tue Apr 29 20:58:28 GMT 2003

The observations cycle correctly now but the images look very bad. Nothing is recognizable in the images, the top half is washed-out and bright, the bottom half is dark.

\*\*PSPT PROBLEM\*\*: Tue Apr 29 21:11:27 GMT 2003

Fixed the problem, I reset the UniBlitz shutter controller. The UniBlitz shutter was staying open all the time so all images except darks were overexposed. The pointing is such that the bottom half of the sun is visible at the top of the images - that's why the top half of the overexposed images were bright compared to the bottom. I may need to adjust pointing later.

WEATHER COMMENT: Tue Apr 29 23:45:23 GMT 2003

Orographic clouds are starting to pass over.

Wed Apr 30 00:29:49 GMT 2003 CHIP End Patrol

WEATHER COMMENT: Wed Apr 30 00:30:03 GMT 2003

Thick clouds, paused instruments.

Wed Apr 30 00:31:46 GMT 2003 PICS End Patrol

Wed Apr 30 00:33:53 GMT 2003 MKIV End Patrol

Wed Apr 30 02:42:26 GMT 2003

MkIV

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| 00_01.rawmk4 | 17_54.rawmk4 | 19_16.rawmk4 | 21_21.rawmk4 | 22_47.rawmk4 |
| 00_04.rawmk4 | 17_57.rawmk4 | 19_19.rawmk4 | 21_24.rawmk4 | 22_50.rawmk4 |
| 00_07.rawmk4 | 18_00.rawmk4 | 19_22.rawmk4 | 21_27.rawmk4 | 22_53.rawmk4 |
| 00_10.rawmk4 | 18_03.rawmk4 | 19_25.rawmk4 | 21_30.rawmk4 | 22_56.rawmk4 |
| 00_13.rawmk4 | 18_06.rawmk4 | 19_32.rawmk4 | 21_33.rawmk4 | 22_59.rawmk4 |
| 00_16.rawmk4 | 18_09.rawmk4 | 19_38.rawmk4 | 21_36.rawmk4 | 23_02.rawmk4 |
| 00_18.rawmk4 | 18_12.rawmk4 | 19_44.rawmk4 | 21_39.rawmk4 | 23_05.rawmk4 |
| 00_21.rawmk4 | 18_14.rawmk4 | 19_47.rawmk4 | 21_42.rawmk4 | 23_08.rawmk4 |
| 00_24.rawmk4 | 18_17.rawmk4 | 19_50.rawmk4 | 21_48.rawmk4 | 23_11.rawmk4 |
| 00_27.rawmk4 | 18_20.rawmk4 | 19_53.rawmk4 | 21_51.rawmk4 | 23_14.rawmk4 |
| 00_30.rawmk4 | 18_23.rawmk4 | 19_56.rawmk4 | 21_54.rawmk4 | 23_17.rawmk4 |
| 17_00.rawmk4 | 18_26.rawmk4 | 19_59.rawmk4 | 21_57.rawmk4 | 23_20.rawmk4 |
| 17_03.rawmk4 | 18_29.rawmk4 | 20_02.rawmk4 | 22_00.rawmk4 | 23_23.rawmk4 |
| 17_06.rawmk4 | 18_32.rawmk4 | 20_37.rawmk4 | 22_03.rawmk4 | 23_26.rawmk4 |
| 17_09.rawmk4 | 18_35.rawmk4 | 20_40.rawmk4 | 22_06.rawmk4 | 23_29.rawmk4 |
| 17_12.rawmk4 | 18_38.rawmk4 | 20_43.rawmk4 | 22_09.rawmk4 | 23_31.rawmk4 |
| 17_15.rawmk4 | 18_41.rawmk4 | 20_46.rawmk4 | 22_12.rawmk4 | 23_34.rawmk4 |
| 17_18.rawmk4 | 18_44.rawmk4 | 20_49.rawmk4 | 22_15.rawmk4 | 23_37.rawmk4 |
| 17_21.rawmk4 | 18_47.rawmk4 | 20_52.rawmk4 | 22_18.rawmk4 | 23_40.rawmk4 |
| 17_24.rawmk4 | 18_50.rawmk4 | 20_55.rawmk4 | 22_21.rawmk4 | 23_43.rawmk4 |
| 17_27.rawmk4 | 18_53.rawmk4 | 20_58.rawmk4 | 22_24.rawmk4 | 23_46.rawmk4 |
| 17_29.rawmk4 | 18_56.rawmk4 | 21_01.rawmk4 | 22_27.rawmk4 | 23_49.rawmk4 |
| 17_32.rawmk4 | 18_59.rawmk4 | 21_04.rawmk4 | 22_30.rawmk4 | 23_52.rawmk4 |
| 17_35.rawmk4 | 19_01.rawmk4 | 21_06.rawmk4 | 22_33.rawmk4 | 23_55.rawmk4 |
| 17_41.rawmk4 | 19_04.rawmk4 | 21_09.rawmk4 | 22_36.rawmk4 | 23_58.rawmk4 |

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| 17_45.rawmk4 | 19_07.rawmk4 | 21_12.rawmk4 | 22_38.rawmk4 | c19_29.rawmk4 |
| 17_48.rawmk4 | 19_10.rawmk4 | 21_15.rawmk4 | 22_41.rawmk4 | c19_35.rawmk4 |
| 17_51.rawmk4 | 19_13.rawmk4 | 21_18.rawmk4 | 22_44.rawmk4 | c19_41.rawmk4 |