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Mauna Loa Solar Observatory Observer's Log  
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Fri Jul 13 16:14:01 GMT 2001

Year: 01 Doy: 194

Observer: yasukawa

WEATHER COMMENT: Fri Jul 13 16:14:27 GMT 2001

Cool, clear, brisk south wind.

Fri Jul 13 16:22:47 GMT 2001 CHIP Start Patrol

Fri Jul 13 16:22:59 GMT 2001 PICS Start Patrol

Fri Jul 13 16:30:11 GMT 2001 MKIV Start Patrol

A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Fri Jul 13 16:30:39 GMT 2001

Fri Jul 13 17:03:00 GMT 2001 CHIP LSD

Fri Jul 13 17:05:17 GMT 2001 CHIP End LSD

Fri Jul 13 17:05:26 GMT 2001 CHIP BiasLSD

Fri Jul 13 17:06:09 GMT 2001 CHIP End BiasLSD

Fri Jul 13 17:06:20 GMT 2001 CHIP Bias

Fri Jul 13 17:07:12 GMT 2001 CHIP End Bias

\*\*PSPT PROBLEM\*\*: Fri Jul 13 17:33:07 GMT 2001

PSPT not guiding properly, tried gdr ephmcal procedures and it still does not guide correctly. Alerting Randy to problem. While watching images inside main optics box, I observed that the image on the guider lens was not centered, with part of the image spilling off the glass. At 1739, the image suddenly centered itself. Looked at GUI image and the image was finally well centered. Something in the guiding system may be intermittent.

\*\*PSPT PROBLEM\*\*: Fri Jul 13 17:55:37 GMT 2001

PSPT guiding appears stable now.

\*\*MKIV PROBLEM\*\*: Fri Jul 13 17:57:54 GMT 2001

Very strange 1703 image on hoike. Image is circularly streaked with Moire-like patterns at 0, 90, 180, and 270 degrees.

Fri Jul 13 18:02:15 GMT 2001 PICS Flat

Fri Jul 13 18:03:03 GMT 2001 CHIP LSD

Fri Jul 13 18:05:24 GMT 2001 PICS End Flat

Fri Jul 13 18:05:26 GMT 2001 CHIP End LSD

Fri Jul 13 18:05:54 GMT 2001 MKIV End Patrol

Fri Jul 13 18:05:44 GMT 2001 CHIP BiasLSD

Fri Jul 13 18:06:10 GMT 2001 MKIV Start Cal

Fri Jul 13 18:06:37 GMT 2001 CHIP End BiasLSD

Fri Jul 13 18:06:52 GMT 2001 CHIP Bias

Fri Jul 13 18:07:44 GMT 2001 CHIP End Bias

Fri Jul 13 18:24:56 GMT 2001 MKIV End Cal

Fri Jul 13 18:25:09 GMT 2001 MKIV Start Patrol

GONG COMMENT: Fri Jul 13 18:34:02 GMT 2001

Going down to GONG to install a CO2 fire extinguisher.

GONG COMMENT: Fri Jul 13 18:51:13 GMT 2001

Back from GONG.

Fri Jul 13 19:00:03 GMT 2001 CHIP LSD

Fri Jul 13 19:02:18 GMT 2001 CHIP End LSD

Fri Jul 13 19:02:27 GMT 2001 CHIP BiasLSD

Fri Jul 13 19:03:11 GMT 2001 CHIP End BiasLSD

Fri Jul 13 19:03:24 GMT 2001 CHIP Bias

Fri Jul 13 19:04:11 GMT 2001 CHIP End Bias

\*\*PSPT PROBLEM\*\*: Fri Jul 13 19:02:24 GMT 2001

In thinking about the PSPT guiding problem, I tend to think that the problem is software related. The guiding problem appeared to be the ephemeris program overriding the quad cell's attempt to make corrections to the RA and DEC and keep the image centered. This appeared to be the case when I manually pointed the spar so that the image fell approximately centered on the guider lens and then the spar would offpoint suddenly before taking images. The only hardware problem I observed was the lazy response to tracking in the early morning during my attempts to manually point the spar. This could be a gain problem compounded by the sun's attenuation by the atmosphere very early in the morning.

COMMENT: Fri Jul 13 19:20:56 GMT 2001

Reconfigured dome shutter.

WEATHER COMMENT: Fri Jul 13 19:50:53 GMT 2001

In scattered orographic clouds.

PSPT COMMENT: Fri Jul 13 19:51:15 GMT 2001

Stopping PSPT to prevent it from cloud-chasing and screwing up the ephemeris.

Fri Jul 13 20:02:59 GMT 2001 CHIP LSD  
Fri Jul 13 20:05:18 GMT 2001 CHIP End LSD  
Fri Jul 13 20:05:27 GMT 2001 CHIP BiasLSD  
Fri Jul 13 20:06:09 GMT 2001 CHIP End BiasLSD  
Fri Jul 13 20:06:26 GMT 2001 CHIP Bias  
Fri Jul 13 20:07:16 GMT 2001 CHIP End Bias  
Fri Jul 13 20:35:43 GMT 2001 MKIV End Patrol  
Fri Jul 13 20:39:19 GMT 2001 PICS End Patrol  
Fri Jul 13 20:39:22 GMT 2001 CHIP End Patrol

WEATHER COMMENT: Fri Jul 13 20:55:16 GMT 2001

In solid orographic clouds.

Fri Jul 13 21:05:49 GMT 2001

MkIV

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| 16_33.rawmk4 | 17_24.rawmk4 | 18_21.rawmk4 | 19_09.rawmk4 | 20_00.rawmk4  |
| 16_36.rawmk4 | 17_27.rawmk4 | 18_25.rawmk4 | 19_15.rawmk4 | 20_03.rawmk4  |
| 16_39.rawmk4 | 17_30.rawmk4 | 18_28.rawmk4 | 19_18.rawmk4 | 20_06.rawmk4  |
| 16_42.rawmk4 | 17_32.rawmk4 | 18_31.rawmk4 | 19_21.rawmk4 | 20_08.rawmk4  |
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| 16_47.rawmk4 | 17_38.rawmk4 | 18_36.rawmk4 | 19_27.rawmk4 | 20_14.rawmk4  |
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| 17_09.rawmk4 | 17_56.rawmk4 | 18_54.rawmk4 | 19_45.rawmk4 | 20_32.rawmk4  |
| 17_12.rawmk4 | 17_59.rawmk4 | 18_57.rawmk4 | 19_48.rawmk4 | c18_06.rawmk4 |
| 17_15.rawmk4 | 18_02.rawmk4 | 19_00.rawmk4 | 19_51.rawmk4 | c18_12.rawmk4 |
| 17_18.rawmk4 | 18_09.rawmk4 | 19_03.rawmk4 | 19_54.rawmk4 | c18_18.rawmk4 |