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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

16_30.rawmk4	17_21.rawmk4	18_15.rawmk4	19_06.rawmk4	19_57.rawmk4
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
16_45.rawmk4	17_35.rawmk4	18_33.rawmk4	19_24.rawmk4	20_11.rawmk4
16_47.rawmk4	17_38.rawmk4	18_36.rawmk4	19_27.rawmk4	20_14.rawmk4
16_50.rawmk4	17_41.rawmk4	18_39.rawmk4	19_30.rawmk4	20_17.rawmk4
16_53.rawmk4	17_44.rawmk4	18_42.rawmk4	19_33.rawmk4	20_20.rawmk4
16_59.rawmk4	17_47.rawmk4	18_45.rawmk4	19_36.rawmk4	20_23.rawmk4
17_03.rawmk4	17_50.rawmk4	18_48.rawmk4	19_39.rawmk4	20_26.rawmk4
17_06.rawmk4	17_53.rawmk4	18_51.rawmk4	19_42.rawmk4	20_29.rawmk4

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