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Mauna Loa Solar Observatory Observer's Log  
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Mon Dec 17 17:15:50 GMT 2001

Year: 01 Doy: 351

Observer: yasukawa

WEATHER COMMENT: Mon Dec 17 17:16:03 GMT 2001

Cool, in broken altocumulus overcast, south wind.

Mon Dec 17 17:24:18 GMT 2001 CHIP Start Patrol

Mon Dec 17 17:24:42 GMT 2001 PICS Start Patrol

Mon Dec 17 17:25:18 GMT 2001 MKIV Start Patrol

Mon Dec 17 18:02:21 GMT 2001 CHIP LSD

Mon Dec 17 18:02:41 GMT 2001 PICS Flat

Mon Dec 17 18:04:32 GMT 2001 CHIP End LSD

Mon Dec 17 18:04:46 GMT 2001 CHIP BiasLSD

Mon Dec 17 18:05:46 GMT 2001 CHIP End BiasLSD

Mon Dec 17 18:05:47 GMT 2001 PICS End Flat

Mon Dec 17 18:06:03 GMT 2001 CHIP Bias

Mon Dec 17 18:06:57 GMT 2001 CHIP End Bias

WEATHER COMMENT: Mon Dec 17 18:12:53 GMT 2001

Altocumulus was real thick. Lost guiding. Repointed and reset guider.

WEATHER COMMENT: Mon Dec 17 18:20:17 GMT 2001

Clear hole.

\*\*PSPT PROBLEM\*\*: Mon Dec 17 18:21:00 GMT 2001

Deciding not to start PSPT at this time. Broken clouds will cause loss of guiding and corruption of the ephemeris.

\*\*GONG PROBLEM\*\*: Mon Dec 17 18:26:41 GMT 2001

Going down to GONG to look into waveplate/power problem.

Mon Dec 17 19:00:20 GMT 2001 CHIP LSD

Mon Dec 17 19:02:32 GMT 2001 CHIP End LSD

Mon Dec 17 19:02:42 GMT 2001 CHIP BiasLSD

Mon Dec 17 19:03:27 GMT 2001 CHIP End BiasLSD

Mon Dec 17 19:03:39 GMT 2001 CHIP Bias

Mon Dec 17 19:04:26 GMT 2001 CHIP End Bias

Mon Dec 17 20:00:19 GMT 2001 CHIP LSD

Mon Dec 17 20:02:37 GMT 2001 CHIP End LSD

Mon Dec 17 20:02:53 GMT 2001 CHIP BiasLSD

Mon Dec 17 20:03:40 GMT 2001 CHIP End BiasLSD

Mon Dec 17 20:03:50 GMT 2001 CHIP Bias

Mon Dec 17 20:04:45 GMT 2001 CHIP End Bias

GONG COMMENT: Mon Dec 17 20:34:42 GMT 2001

Back from GONG. Found both waveplate amplifiers and the circuit breaker to the power supply rack broken. GONG is down until we troubleshoot and repair the problem.

\*\*MLSO PROBLEM\*\*: Mon Dec 17 20:37:07 GMT 2001

Guider was not pointed when I returned from GONG. Repointed and reset guider.

\*\*MKIV PROBLEM\*\*: Mon Dec 17 20:37:49 GMT 2001

Barrel rotation was screwed up. Barrel angle indication is showing 888.88 and I am getting t-drive barrel glitch messages on akamai window. Checking things out.

Mon Dec 17 20:44:40 GMT 2001 MKIV Start Patrol

**\*\*MKIV PROBLEM\*\***: Mon Dec 17 20:46:35 GMT 2001

Barrel drive and status modules are dark even after KCC reboot.

Mon Dec 17 21:01:10 GMT 2001 CHIP LSD

Mon Dec 17 21:03:22 GMT 2001 CHIP End LSD

Mon Dec 17 21:03:31 GMT 2001 CHIP BiasLSD

Mon Dec 17 21:04:13 GMT 2001 CHIP End BiasLSD

Mon Dec 17 21:04:21 GMT 2001 CHIP Bias

Mon Dec 17 21:05:05 GMT 2001 CHIP End Bias

**\*\*MKIV PROBLEM\*\***: Mon Dec 17 21:06:32 GMT 2001

Tried cycling KCC power(main switch for computer and modules).

Barrel still dead.

**\*\*CHIP PROBLEM\*\***: Mon Dec 17 21:23:36 GMT 2001

CHIP image was displaced. Moved it with controller.

Mon Dec 17 21:28:16 GMT 2001 CHIP End Patrol

**\*\*MKIV PROBLEM\*\***: Mon Dec 17 21:28:23 GMT 2001

Initial indication is barrel encoder does not know where the barrel is.

Barrel angle on akamai control panel switching between -224.98, -180.02, and intermittently other variable angles.

Mon Dec 17 21:35:56 GMT 2001 CHIP Start Patrol

Mon Dec 17 22:02:04 GMT 2001 CHIP LSD

Mon Dec 17 22:04:14 GMT 2001 CHIP End LSD

Mon Dec 17 22:04:22 GMT 2001 CHIP BiasLSD

Mon Dec 17 22:05:05 GMT 2001 CHIP End BiasLSD

Mon Dec 17 22:05:13 GMT 2001 CHIP Bias

Mon Dec 17 22:06:00 GMT 2001 CHIP End Bias

Mon Dec 17 23:01:58 GMT 2001 CHIP LSD

Mon Dec 17 23:04:15 GMT 2001 CHIP End LSD

Mon Dec 17 23:04:24 GMT 2001 CHIP BiasLSD

Mon Dec 17 23:05:06 GMT 2001 CHIP End BiasLSD

Mon Dec 17 23:05:14 GMT 2001 CHIP Bias

Mon Dec 17 23:05:56 GMT 2001 CHIP End Bias

**\*\*MKIV PROBLEM\*\***: Mon Dec 17 22:31:31 GMT 2001

Semiconductor Circuits, Inc. regulated power supply is measuring

+15V, -15V, and +3.95V at the output. The 3.95 could be a 5V output.

This power supply is on the panel in back of the KCC rack and supplies power to the Vernitech synchro/digital hybrid converter. There is a spare converter but no spare power supply module. Replacing either or both modules will be a nightmare due to the way they the assembly was constructed.

**\*\*MKIV PROBLEM\*\***: Mon Dec 17 23:52:37 GMT 2001

Checked modulator. waveplate is running and 1/rot and 64/rot signals can be seen all the way to the transformation board.

Tue Dec 18 00:02:03 GMT 2001 CHIP LSD

Tue Dec 18 00:04:13 GMT 2001 CHIP End LSD

Tue Dec 18 00:04:19 GMT 2001 CHIP BiasLSD

Tue Dec 18 00:05:00 GMT 2001 CHIP End BiasLSD  
Tue Dec 18 00:05:06 GMT 2001 CHIP Bias  
Tue Dec 18 00:05:45 GMT 2001 CHIP End Bias

\*\*MKIV PROBLEM\*\* Tue Dec 18 00:07:45 GMT 2001

Not sure whether this is a change or whether I wasn't paying close attention at first but I can now move the barrel with the KCC monitor buttons and the drive and status leds are indicating request/drive directions correctly and the status leds correctly indicate the limits when reached.

Problem still remains the barrel angle indication on both KCC control panel and on the OCP display.

Tue Dec 18 00:13:56 GMT 2001 CHIP End Patrol

Tue Dec 18 00:28:11 GMT 2001

MkIV

17_25.rawmk4	17_43.rawmk4	18_00.rawmk4	18_18.rawmk4	18_36.rawmk4
17_28.rawmk4	17_46.rawmk4	18_03.rawmk4	18_21.rawmk4	18_39.rawmk4
17_31.rawmk4	17_49.rawmk4	18_06.rawmk4	18_24.rawmk4	18_42.rawmk4
17_34.rawmk4	17_51.rawmk4	18_09.rawmk4	18_27.rawmk4	18_45.rawmk4
17_37.rawmk4	17_54.rawmk4	18_12.rawmk4	18_30.rawmk4	18_47.rawmk4
17_40.rawmk4	17_57.rawmk4	18_15.rawmk4	18_33.rawmk4	