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Mauna Loa Solar Observatory Observer's Log  
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Wed Mar 26 16:50:49 GMT 2003

Year: 03 Doy: 085

Observer: yasukawa

WEATHER COMMENT: Wed Mar 26 16:50:53 GMT 2003

Cool, in broken cirrostratus, heavy, extensive cirrostratus approaching from northwest, very light south breeze.

Wed Mar 26 16:57:22 GMT 2003 CHIP Start Patrol

Wed Mar 26 16:57:39 GMT 2003 PICS Start Patrol

A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Wed Mar 26 17:02:54 GMT 2003

PSPT COMMENT: Wed Mar 26 17:09:09 GMT 2003

Starting observations.

MKIV COMMENT: Wed Mar 26 17:22:16 GMT 2003

Preset O1 steppers. Waiting for holes in cirrostratus.

Wed Mar 26 17:52:54 GMT 2003 MKIV Start Patrol

MKIV COMMENT: Wed Mar 26 17:52:58 GMT 2003

Clear hole. Centered O1 before starting Patrol.

\*\*PSPT PROBLEM\*\*: Wed Mar 26 17:55:28 GMT 2003

Crashed in Hi-res Data, taking CaK image, at 1721 UT. Killed/restart.

\*\*MKIV PROBLEM\*\*: Wed Mar 26 17:57:03 GMT 2003

CCW scan stalled after at 179.45 degrees after a few degrees from start.

Modulator waveform looked OK at rear of KCC rack. Reset KCC (reset button).

Wed Mar 26 18:00:51 GMT 2003 CHIP LSD

Wed Mar 26 18:02:38 GMT 2003 CHIP End LSD

Wed Mar 26 18:02:45 GMT 2003 CHIP BiasLSD

Wed Mar 26 18:03:02 GMT 2003 PICS Flat

Wed Mar 26 18:03:23 GMT 2003 MKIV Start Patrol

Wed Mar 26 18:03:35 GMT 2003 CHIP End BiasLSD

Wed Mar 26 18:03:42 GMT 2003 CHIP Bias

Wed Mar 26 18:04:34 GMT 2003 CHIP End Bias

Wed Mar 26 18:05:23 GMT 2003 PICS End Flat

\*\*MKIV PROBLEM\*\*: Wed Mar 26 18:04:02 GMT 2003

Barrel still sticking, this time at 168 degrees. Barrel drive motor is running back and forth less than one rotation of the motor. Turned off spar power briefly and turned it back on. This did not remedy the problem. Waveplate modulator 64/rot pulses look OK. 1/rot pulses look OK, too.

\*\*MKIV PROBLEM\*\*: Wed Mar 26 18:10:43 GMT 2003

Cycled power to KCC. Reset guider after power turned back on.

Wed Mar 26 18:12:23 GMT 2003 MKIV Start Patrol

\*\*MKIV PROBLEM\*\*: Wed Mar 26 18:13:32 GMT 2003

mk4 scanned past position angles that it was hanging up at.

\*\*MKIV PROBLEM\*\*: Wed Mar 26 18:17:36 GMT 2003

Mk4 appears to be scanning normally now. Cycling main mk4 power apparently fixed the problem. I separately cycled spar power, although for a shorter period, previously and that did not remedy the stall. Main power also controls spar power. Resetting the KCC with the reset button (reboot) did

not fix the problem. Main power cycle also, obviously, reboots the KCC. Barrel restarted without wrap-up intervention or external application of torque to barrel/stepper motor so I don't believe motor or cable binding are involved. Next test would be cycling power to just the KCC (lighted switch below akamai) to isolate the KCC only.

Wed Mar 26 18:31:15 GMT 2003 MKIV Start Cal

WEATHER COMMENT: Wed Mar 26 18:46:24 GMT 2003

Back in cirrus.

Wed Mar 26 18:49:59 GMT 2003 MKIV End Cal

Wed Mar 26 18:50:10 GMT 2003 MKIV Start Patrol

WEATHER COMMENT: Wed Mar 26 19:28:27 GMT 2003

Clear holes.

Wed Mar 26 19:59:51 GMT 2003 CHIP End Patrol

Wed Mar 26 20:01:16 GMT 2003 MKIV End Patrol

Wed Mar 26 20:10:49 GMT 2003 PICS End Patrol

COMMENT: Wed Mar 26 20:10:58 GMT 2003

Stopped to reconfigure dome shutter. Waiting for PICS to end.

Wed Mar 26 20:16:23 GMT 2003 MKIV Start Patrol

Wed Mar 26 20:16:39 GMT 2003 CHIP Start Patrol

Wed Mar 26 20:16:50 GMT 2003 PICS Start Patrol

PSPT COMMENT: Wed Mar 26 20:16:47 GMT 2003

Aborted obs, exited both gui and Pspt IDL. Restarted Pspt and daily obs.

This was to load Alice's modifications to address "making jpg images" crash.

MKIV COMMENT: Wed Mar 26 20:19:22 GMT 2003

Centered O1.

MKIV COMMENT: Wed Mar 26 21:18:11 GMT 2003

Centered O1.

WEATHER COMMENT: Wed Mar 26 21:38:28 GMT 2003

In cirrostratus overcast.

Wed Mar 26 21:38:57 GMT 2003 MKIV End Patrol

Wed Mar 26 23:52:45 GMT 2003 CHIP End Patrol

COMMENT: Wed Mar 26 23:52:38 GMT 2003

Ran into ladder, Stopping to reconfigure dome shutter.

Wed Mar 26 23:53:34 GMT 2003 PICS End Patrol

WEATHER COMMENT: Wed Mar 26 23:54:05 GMT 2003

In orographic clouds and cirrostratus.

Thu Mar 27 00:21:24 GMT 2003 CHIP Start Patrol

Thu Mar 27 00:21:37 GMT 2003 PICS Start Patrol

MKIV COMMENT: Thu Mar 27 01:17:39 GMT 2003

Centered O1 in very brief hole.

Thu Mar 27 01:19:54 GMT 2003 MKIV Start Patrol

WEATHER COMMENT: Thu Mar 27 01:20:44 GMT 2003

In thin cirrostratus.

WEATHER COMMENT: Thu Mar 27 01:36:22 GMT 2003

Back in thicker cirrostratus.

Thu Mar 27 01:37:55 GMT 2003 MKIV End Patrol

\*\*CHIP PROBLEM\*\*: Thu Mar 27 02:02:04 GMT 2003

ADR got disabled in clouds, CHIP got domed out. Moved dome manually.

Thu Mar 27 02:24:55 GMT 2003 CHIP End Patrol  
Thu Mar 27 02:25:27 GMT 2003 PICS End Patrol  
Thu Mar 27 02:26:51 GMT 2003

MkIV

01_19.rawmk4	18_40.rawmk4	19_28.rawmk4	20_28.rawmk4	21_12.rawmk4
01_22.rawmk4	18_46.rawmk4	19_31.rawmk4	20_31.rawmk4	21_15.rawmk4
01_25.rawmk4	18_50.rawmk4	19_34.rawmk4	20_34.rawmk4	21_18.rawmk4
01_28.rawmk4	18_53.rawmk4	19_37.rawmk4	20_36.rawmk4	21_21.rawmk4
01_31.rawmk4	18_56.rawmk4	19_40.rawmk4	20_39.rawmk4	21_24.rawmk4
01_34.rawmk4	18_58.rawmk4	19_43.rawmk4	20_42.rawmk4	21_26.rawmk4
17_52.rawmk4	19_01.rawmk4	19_46.rawmk4	20_45.rawmk4	21_29.rawmk4
18_03.rawmk4	19_04.rawmk4	19_49.rawmk4	20_48.rawmk4	21_32.rawmk4
18_12.rawmk4	19_07.rawmk4	19_52.rawmk4	20_51.rawmk4	21_35.rawmk4
18_15.rawmk4	19_10.rawmk4	19_54.rawmk4	20_54.rawmk4	c18_31.rawmk4
18_18.rawmk4	19_13.rawmk4	19_57.rawmk4	20_57.rawmk4	c18_37.rawmk4
18_21.rawmk4	19_16.rawmk4	20_16.rawmk4	21_00.rawmk4	c18_43.rawmk4
18_24.rawmk4	19_19.rawmk4	20_19.rawmk4	21_03.rawmk4	
18_27.rawmk4	19_22.rawmk4	20_22.rawmk4	21_06.rawmk4	
18_34.rawmk4	19_25.rawmk4	20_25.rawmk4	21_09.rawmk4	