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-------------------------------------------------------------------------------
                  Mauna Loa Solar Observatory Observer's Log
-------------------------------------------------------------------------------
         Sun Mar 23 17:17:37 GMT 2003
Year: 03  Doy: 082
Observer: koon
Sun Mar 23 17:24:12 GMT 2003    MKIV    Start Patrol
WEATHER COMMENT: Sun Mar 23 17:24:30 GMT 2003
Clear sky, wind=5 mph from the SE, temp=40 F.
PSPT COMMENT: Sun Mar 23 17:32:51 GMT 2003
Observing
A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Sun Mar 23 17:42:39 GMT 2003
Sun Mar 23 17:43:40 GMT 2003    MKIV    End Patrol
Sun Mar 23 17:51:16 GMT 2003    MKIV    Start Patrol
Sun Mar 23 18:01:50 GMT 2003    CHIP     LSD
Sun Mar 23 18:03:46 GMT 2003    CHIP     End LSD
Sun Mar 23 18:04:00 GMT 2003    CHIP     BiasLSD
Sun Mar 23 18:04:07 GMT 2003    PICS     Flat
Sun Mar 23 18:05:03 GMT 2003    CHIP     End BiasLSD
Sun Mar 23 18:05:18 GMT 2003    CHIP     Bias
Sun Mar 23 18:06:18 GMT 2003    CHIP     End Bias
Sun Mar 23 18:06:43 GMT 2003    PICS     End Flat
MKIV COMMENT: Sun Mar 23 18:14:58 GMT 2003
Centered occulting.
Sun Mar 23 18:50:39 GMT 2003    MKIV    End Patrol
Sun Mar 23 18:50:51 GMT 2003    MKIV    Start Cal
Sun Mar 23 19:09:38 GMT 2003    MKIV    End Cal
Sun Mar 23 19:09:50 GMT 2003    MKIV    Start Patrol
MKIV COMMENT: Sun Mar 23 19:24:33 GMT 2003
Centered occulting.
COMMENT: Sun Mar 23 19:30:18 GMT 2003
Extended the dome slot.
MKIV COMMENT: Sun Mar 23 19:42:09 GMT 2003
Centered occulting.
MKIV COMMENT: Sun Mar 23 20:43:55 GMT 2003
Centered occulting.
MKIV COMMENT: Sun Mar 23 21:47:27 GMT 2003
Centered occulting.
**PSPT PROBLEM**: Sun Mar 23 21:47:36 GMT 2003
Crashed "taking CAK image", killed runPspt.pro and restarted.
MKIV COMMENT: Sun Mar 23 22:31:30 GMT 2003
Centered occulting.
MKIV COMMENT: Sun Mar 23 23:27:29 GMT 2003
Centered occulting.
**MKIV PROBLEM**: Mon Mar 24 00:04:22 GMT 2003
Apparently had another stall at end of a scan.  I'm trying something different,
I cycled the power to the KCC, I'll see if that helps anything.
**MKIV PROBLEM**: Mon Mar 24 00:06:06 GMT 2003
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After the main power cycle to KCC the barrel is now being moved CW. I didn't
physically push the barrel as I have after other similar stalls. Resetting
the power fixed the "end of CCW scan" barrel stall.
COMMENT: Mon Mar 24 00:18:21 GMT 2003
Declination pointing started to get bad, but I reset the guider and it
corrected itself without me pointing the telescope by hand.
Mon Mar 24 00:19:38 GMT 2003   MKIV   Start Patrol
COMMENT: Mon Mar 24 00:19:27 GMT 2003
Note that I have been regularly resetting the guider throughout the day,
as usual, in an attempt to prevent loos of guiding, yet guiding still went
off a bit.
Mon Mar 24 00:38:02 GMT 2003   MKIV   End Patrol
Mon Mar 24 00:39:13 GMT 2003   MKIV   Start Patrol
Mon Mar 24 00:47:58 GMT 2003   MKIV   End Patrol
MKIV PROBLEM: Mon Mar 24 00:25:18 GMT 2003
I noticed that the barrel was turning very slowly compared to normal so I went
upstairs to watch and test things. The barrel moved jerkily, sometimes in
one direction and sometimes changing direction for a degree or so then going
back to the original direction. Net movement was in the correct direction.
At about the 0 degrees position it stopped like it does at the end of a normal
scan, after a few seconds it continued at the normal speed in the correct
(same) CW direction in which it was previously moving slowly. Back downstairs
the realtime scans apparently started again at that position where the scan
speed returned to normal. Now I see the partial scan problem that we've
noticed lately, with the barrel stopping at the +/- 45 degree position from the
"straight up" (North) position. I set the scan to Idle and it stopped at
the correct position, it is interesting that on the last CW scan before it
idled the scan was complete like a normal scan. So I started the Patrol
again to see if the scans are normal again, they weren't normal, and this time
the "Idle" position occurred at the 307 degree position on the CW scan - this
I've seen before. The cables aren't binding in the wrapup.
Mon Mar 24 00:59:14 GMT 2003   MKIV   Start Patrol
Mon Mar 24 01:05:30 GMT 2003   MKIV   End Patrol
Mon Mar 24 01:05:42 GMT 2003   MKIV   Start Cal
Mon Mar 24 01:24:26 GMT 2003   MKIV   End Cal
Mon Mar 24 01:24:37 GMT 2003   MKIV   Start Patrol
MKIV PROBLEM: Mon Mar 24 00:50:04 GMT 2003
I cycled the main power rocker-switch to KCC, back to normal scans again.
MKIV COMMENT: Mon Mar 24 01:51:16 GMT 2003
Centered occulting.
COMMENT: Mon Mar 24 02:04:54 GMT 2003
Extended the dome slot again.
PSPT PROBLEM: Mon Mar 24 02:19:41 GMT 2003
Crashed "starting photometric data", killed runPspt.pro and shutdown.
Mon Mar 24 02:28:08 GMT 2003   CHIP   End Patrol
Mon Mar 24 02:28:26 GMT 2003   PICS   End Patrol
Mon Mar 24 02:29:28 GMT 2003   MKIV   End Patrol
Mon Mar 24 02:38:34 GMT 2003

MkIV

00_19.rawmk4	02_20.rawmk4	19_09.rawmk4	20_38.rawmk4	22_13.rawmk4
00_23.rawmk4	02_23.rawmk4	19_12.rawmk4	20_41.rawmk4	22_16.rawmk4
00_28.rawmk4	02_26.rawmk4	19_15.rawmk4	20_43.rawmk4	22_19.rawmk4
00_33.rawmk4	17_24.rawmk4	19_18.rawmk4	20_46.rawmk4	22_22.rawmk4
00_39.rawmk4	17_27.rawmk4	19_21.rawmk4	20_49.rawmk4	22_25.rawmk4
00_42.rawmk4	17_32.rawmk4	19_24.rawmk4	20_52.rawmk4	22_28.rawmk4
00_59.rawmk4	17_38.rawmk4	19_27.rawmk4	20_55.rawmk4	22_31.rawmk4
01_02.rawmk4	17_51.rawmk4	19_30.rawmk4	20_58.rawmk4	22_34.rawmk4
01_08.rawmk4	17_54.rawmk4	19_33.rawmk4	21_01.rawmk4	22_37.rawmk4
01_14.rawmk4	17_57.rawmk4	19_36.rawmk4	21_04.rawmk4	22_40.rawmk4
01_21.rawmk4	18_00.rawmk4	19_39.rawmk4	21_10.rawmk4	22_43.rawmk4
01_24.rawmk4	18_03.rawmk4	19_42.rawmk4	21_14.rawmk4	22_46.rawmk4
01_27.rawmk4	18_06.rawmk4	19_45.rawmk4	21_17.rawmk4	22_49.rawmk4
01_30.rawmk4	18_09.rawmk4	19_48.rawmk4	21_20.rawmk4	22_52.rawmk4
01_33.rawmk4	18_12.rawmk4	19_51.rawmk4	21_23.rawmk4	22_55.rawmk4
01_36.rawmk4	18_14.rawmk4	19_53.rawmk4	21_26.rawmk4	22_57.rawmk4
01_39.rawmk4	18_17.rawmk4	19_56.rawmk4	21_28.rawmk4	23_00.rawmk4
01_42.rawmk4	18_20.rawmk4	19_59.rawmk4	21_34.rawmk4	23_03.rawmk4
01_45.rawmk4	18_23.rawmk4	20_02.rawmk4	21_38.rawmk4	23_06.rawmk4
01_48.rawmk4	18_26.rawmk4	20_05.rawmk4	21_41.rawmk4	23_09.rawmk4
01_51.rawmk4	18_29.rawmk4	20_08.rawmk4	21_44.rawmk4	23_12.rawmk4
01_53.rawmk4	18_32.rawmk4	20_11.rawmk4	21_47.rawmk4	c01_05.rawmk4
01_56.rawmk4	18_35.rawmk4	20_14.rawmk4	21_50.rawmk4	c01_11.rawmk4
01_59.rawmk4	18_38.rawmk4	20_17.rawmk4	21_53.rawmk4	c01_17.rawmk4
02_02.rawmk4	18_41.rawmk4	20_20.rawmk4	21_56.rawmk4	c18_50.rawmk4
02_05.rawmk4	18_44.rawmk4	20_23.rawmk4	21_59.rawmk4	c18_56.rawmk4
02_08.rawmk4	18_47.rawmk4	20_26.rawmk4	22_02.rawmk4	c19_03.rawmk4
02_11.rawmk4	18_53.rawmk4	20_29.rawmk4	22_05.rawmk4	
02_14.rawmk4	19_00.rawmk4	20_32.rawmk4	22_08.rawmk4	
02_17.rawmk4	19_06.rawmk4	20_35.rawmk4	22_10.rawmk4	