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Mauna Loa Solar Observatory Observer's Log  
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Tue Mar 18 17:24:11 GMT 2003

Year: 03 Doy: 077

Observer: koon

Tue Mar 18 17:27:57 GMT 2003 MKIV Start Patrol

Tue Mar 18 17:28:01 GMT 2003 CHIP Start Patrol

Tue Mar 18 17:28:10 GMT 2003 PICS Start Patrol

WEATHER COMMENT: Tue Mar 18 17:24:12 GMT 2003

Clear sky, wind=5 mph from the SE, temp=42 F.

Tue Mar 18 17:43:28 GMT 2003 MKIV Start Patrol

\*\*MKIV PROBLEM\*\* : Tue Mar 18 17:43:48 GMT 2003

Stalled at end of first scan, cycled main power rocker switch for KCC etc.

PSPT COMMENT: Tue Mar 18 17:46:48 GMT 2003

Observing.

MKIV COMMENT: Tue Mar 18 17:52:24 GMT 2003

Centered occulting.

Tue Mar 18 18:01:51 GMT 2003 CHIP LSD

Tue Mar 18 18:03:48 GMT 2003 CHIP End LSD

Tue Mar 18 18:03:57 GMT 2003 CHIP BiasLSD

Tue Mar 18 18:04:02 GMT 2003 PICS Flat

Tue Mar 18 18:04:53 GMT 2003 CHIP End BiasLSD

Tue Mar 18 18:05:12 GMT 2003 CHIP Bias

Tue Mar 18 18:06:15 GMT 2003 CHIP End Bias

Tue Mar 18 18:06:32 GMT 2003 PICS End Flat

COMMENT: Tue Mar 18 18:26:58 GMT 2003

Noticed pointing going off in declination, can see it in image displacement and on the meter display, reset dec to fix. The Dec clutch is tighter than usual since I adjusted it on Sunday. This is an experiment in progress.

A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Tue Mar 18 18:29:37 GMT 2003

MKIV COMMENT: Tue Mar 18 19:19:33 GMT 2003

Centered occulting.

COMMENT: Tue Mar 18 19:19:45 GMT 2003

I've been moving the spar around a bit for about an hour checking on a mk4 problem.

\*\*MKIV PROBLEM\*\* : Tue Mar 18 19:20:31 GMT 2003

Several times today the barrel has stalled at the end of the CCW scan, I found that if you push it slightly in the CW direction it will continue on with the CW scan. I checked out the camera heater cable and other wrapups and they all look good. Still checking out problem, seems like it may be caused by excess friction somewhere or a worn motor or clutch. Will be bumping things around a bit more as the day goes on.

COMMENT: Tue Mar 18 19:24:35 GMT 2003

Extended the slot.

PICS COMMENT: Tue Mar 18 19:26:07 GMT 2003

So far I haven't noticed any dust in the images, yesterday's cleaning looks successful.

\*\*MKIV PROBLEM\*\*  
 Tue Mar 18 19:46:59 GMT 2003  
 Stalled at end of CCW scan again, I turned the motor a few steps in the CCW direction and the CW scan began. There is a strange looking sector in the SE on the scans, will pause then cycle KCC main power to see if that clears it.  
 Tue Mar 18 19:51:18 GMT 2003 MKIV Start Patrol  
 \*\*MKIV PROBLEM\*\*  
 Tue Mar 18 19:53:29 GMT 2003  
 Found the cause of the strange sector, the tiltplate wasn't out all the way, moved it out and all is well.  
 MKIV COMMENT: Tue Mar 18 19:54:20 GMT 2003  
 Centered occulting.  
 MKIV COMMENT: Tue Mar 18 21:25:21 GMT 2003  
 Centered occulting.  
 Tue Mar 18 21:43:06 GMT 2003 MKIV End Patrol  
 Tue Mar 18 21:43:16 GMT 2003 MKIV Start Cal  
 Tue Mar 18 22:02:01 GMT 2003 MKIV End Cal  
 Tue Mar 18 22:02:12 GMT 2003 MKIV Start Patrol  
 MKIV COMMENT: Tue Mar 18 22:43:19 GMT 2003  
 Centered occulting.  
 MKIV COMMENT: Tue Mar 18 23:46:03 GMT 2003  
 Centered occulting.  
 MKIV COMMENT: Wed Mar 19 00:59:35 GMT 2003  
 Centered occulting.  
 COMMENT: Wed Mar 19 00:59:55 GMT 2003  
 I haven't lost Dec guiding in the middle of the day today, maybe because of the tightened clutch. But it wandered a little earlier in the day and I had to reset the guider to fix it, but didn't have to do the typical running up and down the stairs several times to fix it like we were doing around midday before I tightened the clutch on Sunday.  
 \*\*PSPT PROBLEM\*\*  
 Wed Mar 19 01:39:57 GMT 2003  
 Stalled at "clr cak -- hope to help hang" GUI message. Killed renPspt.pro and restarted. I'll run the diffuser tests Randy requested on Thursday, I need more time to practice with some of the manual settings that gave me trouble last time.  
 COMMENT: Wed Mar 19 02:20:32 GMT 2003  
 Extended the dome slot again.  
 Wed Mar 19 02:26:44 GMT 2003 CHIP End Patrol  
 Wed Mar 19 02:26:58 GMT 2003 PICS End Patrol  
 Wed Mar 19 02:27:55 GMT 2003 MKIV End Patrol  
 Wed Mar 19 02:36:21 GMT 2003  
 MkIV

00_00.rawmk4	01_43.rawmk4	18_40.rawmk4	20_41.rawmk4	22_34.rawmk4
00_03.rawmk4	01_46.rawmk4	18_54.rawmk4	20_44.rawmk4	22_37.rawmk4
00_06.rawmk4	01_49.rawmk4	18_59.rawmk4	20_47.rawmk4	22_40.rawmk4
00_09.rawmk4	01_52.rawmk4	19_01.rawmk4	20_49.rawmk4	22_43.rawmk4
00_12.rawmk4	01_55.rawmk4	19_04.rawmk4	20_52.rawmk4	22_46.rawmk4
00_15.rawmk4	01_58.rawmk4	19_07.rawmk4	20_55.rawmk4	22_49.rawmk4
00_18.rawmk4	02_01.rawmk4	19_10.rawmk4	20_58.rawmk4	22_52.rawmk4

00_21.rawmk4	02_04.rawmk4	19_13.rawmk4	21_01.rawmk4	22_55.rawmk4
00_24.rawmk4	02_07.rawmk4	19_16.rawmk4	21_04.rawmk4	22_58.rawmk4
00_27.rawmk4	02_10.rawmk4	19_19.rawmk4	21_07.rawmk4	23_00.rawmk4
00_30.rawmk4	02_12.rawmk4	19_22.rawmk4	21_10.rawmk4	23_03.rawmk4
00_33.rawmk4	02_15.rawmk4	19_25.rawmk4	21_13.rawmk4	23_06.rawmk4
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00_38.rawmk4	02_21.rawmk4	19_31.rawmk4	21_19.rawmk4	23_12.rawmk4
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00_44.rawmk4	17_27.rawmk4	19_40.rawmk4	21_25.rawmk4	23_22.rawmk4
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00_56.rawmk4	17_52.rawmk4	19_54.rawmk4	21_36.rawmk4	23_34.rawmk4
00_59.rawmk4	17_55.rawmk4	19_57.rawmk4	21_39.rawmk4	23_37.rawmk4
01_02.rawmk4	17_58.rawmk4	20_00.rawmk4	21_46.rawmk4	23_40.rawmk4
01_05.rawmk4	18_01.rawmk4	20_03.rawmk4	21_52.rawmk4	23_43.rawmk4
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01_20.rawmk4	18_16.rawmk4	20_17.rawmk4	22_11.rawmk4	23_57.rawmk4
01_23.rawmk4	18_19.rawmk4	20_20.rawmk4	22_13.rawmk4	c21_43.rawmk4
01_25.rawmk4	18_22.rawmk4	20_23.rawmk4	22_16.rawmk4	c21_49.rawmk4
01_28.rawmk4	18_25.rawmk4	20_26.rawmk4	22_19.rawmk4	c21_55.rawmk4
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01_40.rawmk4	18_36.rawmk4	20_38.rawmk4	22_31.rawmk4	