

-----  
Mauna Loa Solar Observatory Observer's Log  
-----

Thu Aug 26 16:36:53 GMT 1999

Year: 99 Doy: 238

Observer: koon

WEATHER COMMENT: Thu Aug 26 16:36:58 GMT 1999

Clear sky, wind=15 mph from the SE, temp=42 F.

Thu Aug 26 16:37:40 GMT 1999 CHIP Startup--Initializing new tape

Thu Aug 26 16:41:03 GMT 1999 MKIV Start Patrol

Thu Aug 26 16:41:13 GMT 1999 PICS Start Patrol

Thu Aug 26 16:41:13 GMT 1999 PICS Start Patrol

MKIV COMMENT: Thu Aug 26 16:46:21 GMT 1999

First scans are bad because of the bottom of the dome slot blocking  
the sun.

Thu Aug 26 17:02:49 GMT 1999 CHIP Bias

Thu Aug 26 17:03:50 GMT 1999 CHIP End Bias

Thu Aug 26 17:04:11 GMT 1999 CHIP Water

Thu Aug 26 17:04:59 GMT 1999 CHIP End Water

Thu Aug 26 17:50:00 GMT 1999 MKIV End Correct

Thu Aug 26 17:58:14 GMT 1999 MKIV Start Correct

Thu Aug 26 17:59:40 GMT 1999 MKIV End Correct

Thu Aug 26 18:01:01 GMT 1999 PICS Flat

Thu Aug 26 18:02:48 GMT 1999 CHIP Bias

Thu Aug 26 18:03:40 GMT 1999 CHIP End Bias

Thu Aug 26 18:03:40 GMT 1999 CHIP End Bias

Thu Aug 26 18:03:51 GMT 1999 CHIP Water

Thu Aug 26 18:04:28 GMT 1999 CHIP End Water

\*\*MKIV PROBLEM\*\* Thu Aug 26 18:15:26 GMT 1999

I tried 3 Corrects. The first one left a graph with some scattered points  
but I missed the Dark portion and didn't see if the values were around 0.

The subsequent 2 gave similar graphs and the Dark values weren't around 0.

MKIV COMMENT: Thu Aug 26 18:23:21 GMT 1999

Did an End Day to position the barrel, then reset the KCC to load new  
calibration software from David. Will try a Correct again.

Thu Aug 26 18:26:49 GMT 1999 MKIV Start Correct

Thu Aug 26 18:28:20 GMT 1999 MKIV End Correct

Thu Aug 26 18:28:23 GMT 1999 MKIV Start Correct

Thu Aug 26 18:29:55 GMT 1999 MKIV End Correct

Thu Aug 26 18:29:58 GMT 1999 MKIV Start Correct

\*\*MKIV PROBLEM\*\* Thu Aug 26 18:31:27 GMT 1999

Tried 3 more Corrects with new software, all bad.

t

MKIV COMMENT: Thu Aug 26 18:33:29 GMT 1999

Doing another sequence to load new software into the KCC, then will try  
Correct again.

Thu Aug 26 18:38:29 GMT 1999 MKIV Start Correct

Thu Aug 26 18:40:03 GMT 1999 MKIV End Correct

Thu Aug 26 18:40:07 GMT 1999 MKIV Start Correct  
Thu Aug 26 18:41:34 GMT 1999 MKIV End Correct  
Thu Aug 26 18:41:51 GMT 1999 MKIV Start Correct  
Thu Aug 26 18:43:20 GMT 1999 MKIV End Correct  
Thu Aug 26 19:01:54 GMT 1999 CHIP Bias  
Thu Aug 26 19:02:08 GMT 1999 PICS polarization\_calibration  
Thu Aug 26 19:02:48 GMT 1999 CHIP End Bias  
Thu Aug 26 19:02:58 GMT 1999 CHIP Water  
Thu Aug 26 19:03:37 GMT 1999 CHIP End Water  
Thu Aug 26 19:07:14 GMT 1999 MKIV Start Correct  
Thu Aug 26 19:08:30 GMT 1999 MKIV End Correct  
Thu Aug 26 19:15:45 GMT 1999 MKIV Start Cal  
Thu Aug 26 19:20:17 GMT 1999 MKIV Start Cal

MKIV COMMENT: Thu Aug 26 19:20:36 GMT 1999

Got a good Correct, now running a calibration before going back to Patrol.

**\*\*MKIII PROBLEM\*\***: Thu Aug 26 19:41:36 GMT 1999

Yesterday afternoon and this morning the animated scans looked strange, there is a lot of brightness variations from scan to scan, it's like every other scan is too dark for some reason. For example, scans at 1920, 1928, and 1936 are darker than the scans in between.

Thu Aug 26 20:00:56 GMT 1999 CHIP Gain  
Thu Aug 26 20:05:41 GMT 1999 CHIP End Gain  
Thu Aug 26 20:05:49 GMT 1999 CHIP Bias  
Thu Aug 26 20:06:36 GMT 1999 CHIP End Bias  
Thu Aug 26 20:06:44 GMT 1999 CHIP Water  
Thu Aug 26 20:07:17 GMT 1999 CHIP End Water

**\*\*MKIV PROBLEM\*\***: Thu Aug 26 20:37:13 GMT 1999

No scans since around 1955, barrel is stuck at 278, Reset the KCC.

COMMENT: Thu Aug 26 20:38:24 GMT 1999

Extended the dome slot.

Thu Aug 26 20:42:55 GMT 1999 MKIV Start Patrol

**\*\*MKIV PROBLEM\*\***: Thu Aug 26 20:51:19 GMT 1999

After I started the Patrol the barrel moved but no data were taken, the barrel was stopped at a limit (around 278). I turned off the main mkIV power switch and the spar power strip and rotated the barrel to the other limit and turned it all back on. That turned out to be the limit where the barrel normally gets stuck so that didn't help. So I tried to point the barrel to near 0 degrees and repeated the sequence, then it rotated to get stuck at around 83 degrees (limit) again because I miscalculated. The thing to do is to point the barrel about 3/4 rotation from either limit to get it near 0 degrees so that it won't be driven to a limit when the KCC is reset.

Thu Aug 26 21:04:09 GMT 1999 MKIV Start Patrol

**\*\*MKIV PROBLEM\*\***: Thu Aug 26 21:04:37 GMT 1999

OK, now Patrol is working correctly, I don't know what caused the initial problem where the barrel got stuck at the 270 degree limit.

**\*\*\*\* EVENT COMMENT \*\*\*\***: Thu Aug 26 21:35:22 GMT 1999

EPL taking off around PA=285. RV=1.25  
Thu Aug 26 22:00:49 GMT 1999 CHIP Bias  
Thu Aug 26 22:01:50 GMT 1999 CHIP End Bias  
Thu Aug 26 22:02:04 GMT 1999 CHIP Water  
Thu Aug 26 22:02:48 GMT 1999 CHIP End Water  
Thu Aug 26 22:31:03 GMT 1999 PICS End Patrol  
Thu Aug 26 22:33:24 GMT 1999 CHIP CHIP End Patrol  
Thu Aug 26 22:34:53 GMT 1999 CHIP ending tape  
COMMENT: Thu Aug 26 23:10:17 GMT 1999

TAPES:

\*\*\*\*\*

MKIV: 99238

CHIP: C00906

PICS: P01530

LOWL: L00622 in drive #0

Thu Aug 26 23:11:32 GMT 1999

MkIII

16_41.rawmk3	17_22.rawmk3	19_47.rawmk3	21_33.rawmk3	22_15.rawmk3
16_44.rawmk3	17_26.rawmk3	19_51.rawmk3	21_37.rawmk3	22_19.rawmk3
16_48.rawmk3	17_29.rawmk3	19_55.rawmk3	21_41.rawmk3	22_22.rawmk3
16_52.rawmk3	17_33.rawmk3	21_04.rawmk3	21_45.rawmk3	22_26.rawmk3
16_56.rawmk3	17_37.rawmk3	21_07.rawmk3	21_48.rawmk3	22_30.rawmk3
16_59.rawmk3	17_41.rawmk3	21_11.rawmk3	21_52.rawmk3	c19_20.rawmk3
17_03.rawmk3	17_44.rawmk3	21_15.rawmk3	21_56.rawmk3	c19_28.rawmk3
17_07.rawmk3	19_24.rawmk3	21_18.rawmk3	22_00.rawmk3	c19_36.rawmk3
17_11.rawmk3	19_32.rawmk3	21_22.rawmk3	22_04.rawmk3	
17_14.rawmk3	19_40.rawmk3	21_26.rawmk3	22_07.rawmk3	
17_18.rawmk3	19_43.rawmk3	21_30.rawmk3	22_11.rawmk3	