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Mauna Loa Solar Observatory Observer's Log  
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Tue Aug 24 16:22:35 GMT 1999

Year: 99 Doy: 236

Observer: yasukawa

WEATHER COMMENT: Tue Aug 24 16:24:08 GMT 1999

Cool, clear, south wind.

**\*\*LOW-L PROBLEM\*\***: Tue Aug 24 16:24:27 GMT 1999

Yesterday's log entry for Tapes in use, LOWL should have been

L00621 in drive #1, NOT #0.

Tue Aug 24 16:32:16 GMT 1999 CHIP Startup--Initializing new tape

Tue Aug 24 16:36:17 GMT 1999 CHIP CHIP Start Patrol

Tue Aug 24 16:36:37 GMT 1999 MKIV Start Patrol

Tue Aug 24 16:36:35 GMT 1999 PICS Start Patrol

Tue Aug 24 17:00:49 GMT 1999 CHIP Bias

Tue Aug 24 17:01:43 GMT 1999 CHIP End Bias

Tue Aug 24 17:01:55 GMT 1999 CHIP Water

Tue Aug 24 17:02:37 GMT 1999 CHIP End Water

Tue Aug 24 18:00:52 GMT 1999 CHIP Bias

Tue Aug 24 18:01:48 GMT 1999 CHIP End Bias

Tue Aug 24 18:02:04 GMT 1999 CHIP Water

Tue Aug 24 18:02:04 GMT 1999 CHIP Water

Tue Aug 24 18:02:52 GMT 1999 CHIP End Water

Tue Aug 24 18:04:42 GMT 1999 PICS End Flat

**\*\*MKIV PROBLEM\*\***: Tue Aug 24 18:29:25 GMT 1999

MKIV may have crashed at the end of the CALIBRATE cycle.

Message on akamai window is:

start\_cal

send\_time

/local/d/Data/MkIII/c18\_00.rawmk3

nahenahe:/local/d/Data/MkIV/c18\_00.dump: No such file or directory

missing /local/d/Data/MkIV/c18\_00.dump

/local/d/Data/MkIV/c18\_00.rawmk4

Access Fault

Program Counter: 0x0007c800

Status Register: 0x3004

Access Address : 0x1f1f1f26

Special Status : 0x0485

Task: 0x3cd77c "tNetTask"

done

**\*\*MKIV PROBLEM\*\***: Tue Aug 24 18:37:18 GMT 1999

Resetting KCC, resolving barrel position/init awareness problem that  
the system has been having, resetting KCC again. Restarting Calibrate.

Tue Aug 24 18:42:45 GMT 1999 MKIV Start Cal

**\*\*MKIV PROBLEM\*\***: Tue Aug 24 18:47:48 GMT 1999

Cal is continuing with coronal scan after 0Cal scan but is not writing to display. --- David just called, fixed bug. Resetting KCC to pick up the software fix.

\*\*MKIV PROBLEM\*\* : Tue Aug 24 18:57:05 GMT 1999

trying to initialize barrel.

Tue Aug 24 19:00:55 GMT 1999 CHIP Bias  
Tue Aug 24 19:01:53 GMT 1999 CHIP End Bias  
Tue Aug 24 19:02:03 GMT 1999 CHIP Water  
Tue Aug 24 19:02:19 GMT 1999 MKIV Start Cal  
Tue Aug 24 19:02:46 GMT 1999 CHIP End Water  
Tue Aug 24 19:02:57 GMT 1999 PICS polarization\_calibration

\*\*MKIV PROBLEM\*\* : Tue Aug 24 19:08:42 GMT 1999

Cal crashed again, same message on akamai except the access address is 0x21222229 instead of 0x1f1f1f26.

\*\*MKIV PROBLEM\*\* : Tue Aug 24 19:12:53 GMT 1999

Reset KCC and getting barrel to initial position at 359.99.

COMMENT: Tue Aug 24 19:15:46 GMT 1999

Reconfiguring dome shutter while MKIV stuff being looked at.

Tue Aug 24 19:17:00 GMT 1999 PICS End Patrol  
Tue Aug 24 19:17:21 GMT 1999 CHIP CHIP End Patrol  
Tue Aug 24 19:22:56 GMT 1999 PICS Start Patrol  
Tue Aug 24 19:23:00 GMT 1999 CHIP CHIP Start Patrol

\*\*MKIV PROBLEM\*\* : Tue Aug 24 19:27:25 GMT 1999

David loaded another version, reset KCC to pick it up.

Tue Aug 24 19:29:42 GMT 1999 MKIV Start Cal

\*\*MKIV PROBLEM\*\* : Tue Aug 24 19:34:03 GMT 1999

Cal program apparently wrote 0cal file and continued with corona scan, but is not writing to display. akamai message as follows:

```
akamai-> start_cal
send_time
/local/d/Data/MkIII/c19_29.rawmk3
/local/d/Data/MkIV/c19_29.rawmk4
```

Access Fault

Program Counter: 0x0007c800  
Status Register: 0x3004  
Access Address : 0x22232229  
Special Status : 0x0485  
Task: 0x3989b4 "Dalsa"

done

\*\*MKIV PROBLEM\*\* : Tue Aug 24 19:35:49 GMT 1999

Continuing with program to see what else develops.

\*\*MKIV PROBLEM\*\* : Tue Aug 24 19:38:02 GMT 1999

I think barrel may have just ran back (CW) to start without taking any coronal data and stopped. Calibrate is crashed.

\*\*MKIV PROBLEM\*\* : Tue Aug 24 19:39:32 GMT 1999

So is KCC apparently, cannot move cursor with mouse. akamai window is

unresponsive.

\*\*MKIV PROBLEM\*\* : Tue Aug 24 19:53:21 GMT 1999

Resetting KCC and initializing barrel.

Tue Aug 24 20:02:48 GMT 1999 CHIP Gain  
Tue Aug 24 20:07:20 GMT 1999 CHIP End Gain  
Tue Aug 24 20:07:30 GMT 1999 CHIP Bias  
Tue Aug 24 20:08:19 GMT 1999 CHIP End Bias  
Tue Aug 24 20:08:29 GMT 1999 CHIP Water  
Tue Aug 24 20:09:05 GMT 1999 CHIP End Water

\*\*MKIV PROBLEM\*\* : Tue Aug 24 20:10:50 GMT 1999

Resetting KCC to pick up another version. Trying again.

Tue Aug 24 20:13:43 GMT 1999 MKIV Start Cal

\*\*MKIV PROBLEM\*\* : Tue Aug 24 20:18:01 GMT 1999

OK, this time program continued on to coronal scan.

\*\*MKIV PROBLEM\*\* : Tue Aug 24 20:22:06 GMT 1999

Program continuing to 15cal. I think it is fixed this time.

Queueing up Patrol.

\*\*MKIV PROBLEM\*\* : Tue Aug 24 20:37:22 GMT 1999

Calibrate was successful this time.

Tue Aug 24 21:00:48 GMT 1999 CHIP Bias  
Tue Aug 24 21:01:49 GMT 1999 CHIP End Bias  
Tue Aug 24 21:01:59 GMT 1999 CHIP Water  
Tue Aug 24 21:02:38 GMT 1999 CHIP End Water  
Tue Aug 24 22:02:47 GMT 1999 CHIP Bias  
Tue Aug 24 22:03:44 GMT 1999 CHIP End Bias  
Tue Aug 24 22:04:06 GMT 1999 CHIP Water  
Tue Aug 24 22:04:57 GMT 1999 CHIP End Water  
Tue Aug 24 22:06:49 GMT 1999 PICS End Patrol  
Tue Aug 24 22:08:30 GMT 1999 CHIP CHIP End Patrol  
Tue Aug 24 22:08:58 GMT 1999 CHIP ending tape

COMMENT: Tue Aug 24 22:10:00 GMT 1999

Tapes:

MKIV: 99-236

PICS: P01520

CHIP: C00904

LOWL: L00621 in drive #1

Tue Aug 24 22:11:19 GMT 1999

MkIII

16_36.rawmk3	17_22.rawmk3	20_33.rawmk3	21_18.rawmk3	22_03.rawmk3
16_40.rawmk3	17_26.rawmk3	20_37.rawmk3	21_22.rawmk3	c18_00.rawmk3
16_44.rawmk3	17_30.rawmk3	20_40.rawmk3	21_26.rawmk3	c18_42.rawmk3
16_47.rawmk3	17_33.rawmk3	20_44.rawmk3	21_29.rawmk3	c19_02.rawmk3
16_51.rawmk3	17_37.rawmk3	20_48.rawmk3	21_33.rawmk3	c19_29.rawmk3
16_55.rawmk3	17_41.rawmk3	20_52.rawmk3	21_37.rawmk3	c20_13.rawmk3
16_59.rawmk3	17_45.rawmk3	20_55.rawmk3	21_41.rawmk3	c20_21.rawmk3
17_03.rawmk3	17_49.rawmk3	20_59.rawmk3	21_44.rawmk3	c20_29.rawmk3
17_06.rawmk3	17_52.rawmk3	21_03.rawmk3	21_48.rawmk3	

17_10.rawmk3	17_56.rawmk3	21_07.rawmk3	21_52.rawmk3
17_14.rawmk3	20_17.rawmk3	21_11.rawmk3	21_56.rawmk3
17_18.rawmk3	20_25.rawmk3	21_14.rawmk3	21_59.rawmk3