
Mauna Loa Solar Observatory Observer's Log

Tue Mar 14 16:56:18 GMT 2000

Year: 00 Doy: 074

Observer: yasukawa

WEATHER COMMENT: Tue Mar 14 16:57:44 GMT 2000

Cool, clear, light southeast wind.

Tue Mar 14 16:58:46 GMT 2000 CHIP Startup--Initializing new tape

Tue Mar 14 17:03:27 GMT 2000 CHIP CHIP Start 7 Passband Patrol

Tue Mar 14 17:03:42 GMT 2000 PICS Start Patrol

Tue Mar 14 17:04:06 GMT 2000 MKIV Start Patrol

PSPT PROBLEM : Tue Mar 14 17:04:21 GMT 2000

PSPT focus was still running, position was an 8-figure positive number.
Stopped it with <ctrl>C. I will try a reboot of the PC after I get the
rest of this place under control.

LOW-L PROBLEM : Tue Mar 14 17:05:46 GMT 2000

LOWL did a "graphics" crash yesterday at 02:55:41, message=guide, 59 files.
Will change tape and restart.

LOW-L COMMENT: Tue Mar 14 17:18:56 GMT 2000

L00676 unloaded, drive #1 cleaned, L00678 loaded into drive #1.

Data writing to L00677 in drive #0 after reboot and time/date entry.

PSPT PROBLEM : Tue Mar 14 17:27:21 GMT 2000

Rebooted PC but still got very high numbers set for focus limits.
Did a "init sys" and got correct values. Did a "axis 6 goto 500" and
a "axis 6 home". That appeared to work. Started observing program.

Tue Mar 14 18:02:57 GMT 2000 PICS Flat

Tue Mar 14 18:05:38 GMT 2000 PICS End Flat

COMMENT: Tue Mar 14 19:19:00 GMT 2000

Nic Young, director of a proposed Discovery Channel film has been visiting
since around 1800. We are going over possible filming opportunities.

Tue Mar 14 20:00:49 GMT 2000 CHIP Gain7

Tue Mar 14 20:09:26 GMT 2000 CHIP End Gain

Tue Mar 14 20:09:41 GMT 2000 CHIP Bias

Tue Mar 14 20:10:51 GMT 2000 CHIP End Bias

COMMENT: Tue Mar 14 20:24:47 GMT 2000

Nic Young has left.

GMT 2000 PICS End Patrol

Tue Mar 14 20:24:44 GMT 2000 PICS End Patrol

COMMENT: Tue Mar 14 20:25:05 GMT 2000

Stopping to reconfigure dome shutter.

Tue Mar 14 20:31:08 GMT 2000 MKIV Start Patrol

PSPT PROBLEM : Tue Mar 14 20:31:36 GMT 2000

Once I initialized the system, Observing program ran along just fine
as far as I could tell, with all the distractions, and 'fcs goto'
requests were followed with 'position =' ramping up to the
requested value. 2000 UT series went along OK, I watched it from the
focus sub-series, until the last two requests. It was doing the red

subroutine, and the messages on the PC did the following:

```
fcs goto 1900      position = 1900
fcs goto 1950      position = 1937
fcs goto 2000      position = 1937
```

As it appears that the focus mechanism is starting to slip or stall from the last two focus attempts.

PSPT PROBLEM : Tue Mar 14 21:22:48 GMT 2000

2100 series got thru the entire routine without a focus glitch.

all goto requests ended up with fcs position at the correct displayed value.

PICS PROBLEM : Tue Mar 14 21:25:05 GMT 2000

image dark. Investigating.

PICS PROBLEM : Tue Mar 14 21:26:36 GMT 2000

Automatic dome rotator was not re-enabled after the dome shutter reconfiguration. Turned ADR on after repositioning the slot.

Tue Mar 14 22:14:18 GMT 2000 PICS End Patrol

Tue Mar 14 22:16:48 GMT 2000 CHIP CHIP End Patrol

Tue Mar 14 22:19:56 GMT 2000 CHIP ending tape

PSPT PROBLEM : Tue Mar 14 22:25:54 GMT 2000

2200 series ran successfully through the first subroutines, focus positions equaled the goto requests. During the last subroutine, which I call the focus subroutine, focus initially went to blue (250) correctly, but then went to 112 at the goto 50 request. Position remained at 112 throughout the rest of the fcs goto requests (50-450 for blue and cak, and 1600-2000 for red).

COMMENT: Tue Mar 14 22:31:30 GMT 2000

Tapes:

MKIV: 00-074

PICS: P01692

CHIP: C01073

LOWL: L00677 in drive #0

Tue Mar 14 22:32:42 GMT 2000

MkIV

17_04.rawmk4	18_06.rawmk4	19_18.rawmk4	20_20.rawmk4	21_27.rawmk4
17_07.rawmk4	18_09.rawmk4	19_21.rawmk4	20_23.rawmk4	21_30.rawmk4
17_10.rawmk4	18_12.rawmk4	19_24.rawmk4	20_31.rawmk4	21_33.rawmk4
17_13.rawmk4	18_15.rawmk4	19_27.rawmk4	20_34.rawmk4	21_36.rawmk4
17_16.rawmk4	18_18.rawmk4	19_30.rawmk4	20_37.rawmk4	21_39.rawmk4
17_19.rawmk4	18_21.rawmk4	19_33.rawmk4	20_40.rawmk4	21_42.rawmk4
17_22.rawmk4	18_24.rawmk4	19_36.rawmk4	20_43.rawmk4	21_45.rawmk4
17_24.rawmk4	18_27.rawmk4	19_39.rawmk4	20_45.rawmk4	21_48.rawmk4
17_28.rawmk4	18_30.rawmk4	19_42.rawmk4	20_48.rawmk4	21_51.rawmk4
17_30.rawmk4	18_33.rawmk4	19_45.rawmk4	20_51.rawmk4	21_54.rawmk4
17_33.rawmk4	18_36.rawmk4	19_48.rawmk4	20_54.rawmk4	21_57.rawmk4
17_36.rawmk4	18_39.rawmk4	19_51.rawmk4	20_57.rawmk4	22_00.rawmk4
17_39.rawmk4	18_42.rawmk4	19_54.rawmk4	21_00.rawmk4	22_03.rawmk4
17_42.rawmk4	18_48.rawmk4	19_57.rawmk4	21_03.rawmk4	22_05.rawmk4
17_45.rawmk4	18_54.rawmk4	19_59.rawmk4	21_06.rawmk4	22_08.rawmk4

17_48.rawmk4	19_00.rawmk4	20_02.rawmk4	21_09.rawmk4	22_11.rawmk4
17_51.rawmk4	19_03.rawmk4	20_05.rawmk4	21_12.rawmk4	22_15.rawmk4
17_54.rawmk4	19_06.rawmk4	20_08.rawmk4	21_15.rawmk4	c18_45.rawmk4
17_57.rawmk4	19_09.rawmk4	20_11.rawmk4	21_18.rawmk4	c18_51.rawmk4
18_00.rawmk4	19_12.rawmk4	20_14.rawmk4	21_21.rawmk4	c18_57.rawmk4
18_03.rawmk4	19_15.rawmk4	20_17.rawmk4	21_24.rawmk4	