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-------------------------------------------------------------------------------
                 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
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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
```
Ao 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

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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
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