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--------------------------------------------------------------------------------
                   Mauna Loa Solar Observatory Observer's Log
--------------------------------------------------------------------------------
         Fri Aug 21 16:33:13 GMT 1998
Year: 98  Doy: 233
Observer: yasukawa
**MKIII PROBLEM**: Fri Aug 21 16:35:20 GMT 1998
nahenahe failed in login attempt.  xterm messages as follows:

ld.so.1: /bin/mail: fatal: /usr/lib/libintl.so.1: can't map segment:
              errno=11
Killed
Fork failed
nahenahe%

Had to reboot machine to get login to work.
WEATHER COMMENT: Fri Aug 21 16:38:43 GMT 1998
Cool, clear, light southwest breeze.
Fri Aug 21 16:39:23 GMT 1998     CHIP      Startup--Initializing new tape
Fri Aug 21 16:44:07 GMT 1998     CHIP      CHIP Start Patrol
Fri Aug 21 16:44:19 GMT 1998     PICS      Start Patrol
Fri Aug 21 16:44:54 GMT 1998     MKIII     Start Patrol
**PSPT PROBLEM**: Fri Aug 21 16:48:00 GMT 1998
PSPT pointing straight up this morning.  Loosened RA and DEC clutches
and pointed spar toward approximate home position.
Fri Aug 21 17:00:42 GMT 1998     PICS      Flat
Fri Aug 21 17:02:08 GMT 1998     PICS      End Flat
Fri Aug 21 17:03:00 GMT 1998     CHIP      Bias
Fri Aug 21 17:04:01 GMT 1998     CHIP      End Bias
Fri Aug 21 17:04:11 GMT 1998     CHIP      Water
Fri Aug 21 17:04:53 GMT 1998     CHIP      End Water
**PSPT PROBLEM**: Fri Aug 21 17:30:45 GMT 1998
PSPT was also left in a directory and login where I could not get
to /programs without rebooting and starting OW.
**PSPT PROBLEM**: Fri Aug 21 17:41:38 GMT 1998
First attempt at Run failed, Spar failed to find sun.  Got out with
'q', then exited from IDL.  Typed Obs to get to shutdown menu,
selected 'e' and responded to archive data query with 'n'.
Trying 'Run' again.  This time spar started from home.
**PSPT PROBLEM**: Fri Aug 21 17:54:42 GMT 1998
Run was successful this time.  Taking data.
Fri Aug 21 18:00:39 GMT 1998     PICS      Flat
Fri Aug 21 18:02:08 GMT 1998     PICS      End Flat
Fri Aug 21 18:02:48 GMT 1998     CHIP      Bias
Fri Aug 21 18:03:46 GMT 1998     CHIP      End Bias
Fri Aug 21 18:03:59 GMT 1998     CHIP      Water
Fri Aug 21 18:04:48 GMT 1998     CHIP      End Water
Fri Aug 21 19:00:38 GMT 1998     PICS      Flat
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Fri Aug 21 19:02:08 GMT 1998     PICS     End Flat
Fri Aug 21 19:02:58 GMT 1998     CHIP     Bias
Fri Aug 21 19:03:58 GMT 1998     CHIP     End Bias
Fri Aug 21 19:04:12 GMT 1998     CHIP     Water
Fri Aug 21 19:04:56 GMT 1998     CHIP     End Water
**PSPT PROBLEM**: Fri Aug 21 19:06:40 GMT 1998
PSPT is showing bad quadrant at upper right.
COMMENT: Fri Aug 21 19:16:22 GMT 1998
Stopping to reconfigure dome shutter.
Fri Aug 21 19:16:28 GMT 1998     PICS     End Patrol
Fri Aug 21 19:17:25 GMT 1998     CHIP     CHIP End Patrol
Fri Aug 21 19:22:27 GMT 1998     MKIII    Start Patrol
Fri Aug 21 19:22:52 GMT 1998     PICS     Start Patrol
Fri Aug 21 19:22:52 GMT 1998     PICS     Start Patrol
WEATHER COMMENT: Fri Aug 21 19:43:44 GMT 1998
In broken orographic clouds.
Fri Aug 21 20:00:34 GMT 1998     PICS     Flat
Fri Aug 21 20:02:08 GMT 1998     PICS     End Flat
Fri Aug 21 20:02:59 GMT 1998     CHIP     Gain
**PSPT PROBLEM**: Fri Aug 21 20:03:21 GMT 1998
2000 UT program startup crashed with an XYCENTER segmentation fault
again.  This time we were in orographic clouds so I am not sure
whether it would have crashed anyway.
Fri Aug 21 20:07:39 GMT 1998     CHIP     End Gain
Fri Aug 21 20:07:49 GMT 1998     CHIP     Bias
Fri Aug 21 20:08:37 GMT 1998     CHIP     End Bias
Fri Aug 21 20:08:47 GMT 1998     CHIP     Water
Fri Aug 21 20:09:22 GMT 1998     CHIP     End Water
**PSPT PROBLEM**: Fri Aug 21 20:14:09 GMT 1998
Here is the xterm dialog just after determination of available
disk space at wake-up at 2000 UT:

Centering Solar image on the array...
Waiting for guider to lock on the sun...
xRMS 141.17 yRMS 171.98 QCsum 1287
xRMS  89.73 yRMS  77.67 QCsum 1297
Guider is locked on the sun.
Activating Active Mirror....
xRMS 116.73 yRMS 130.26 QCsum 1264
Active Mirror OK.
Taking exposure...
memidl.c:timeout counter: 0
xc =    1602.91    572.000    16
yc =    1088.06    665.000     8
Taking exposure...
xc =    1782.85    0.500000    13
%Program caused arithmetic error:  Floating illegal operand
%Detected at XYCENTER         49
```

```
      /export/home/pspt1/idl/rise/xycenter.pro
Segmentation Fault
5678.64u  412.58s  2:17:44.12  73.7%


psp [45]>

WEATHER COMMENT: Fri Aug 21 20:27:37 GMT 1998
In heavy orographic overcast.  Shutting down.
trol
Fri Aug 21 20:27:44 GMT 1998     PICS       End Patrol
Fri Aug 21 20:28:13 GMT 1998     CHIP       ending tape
COMMENT: Fri Aug 21 20:35:23 GMT 1998
Tapes:
PICS:  P01273
CHIP:  C00670
LOWL:  L00538
Fri Aug 21 20:36:33 GMT 1998
        MkIII


16_44.rawmk3    17_31.rawmk3    18_21.rawmk3    19_15.rawmk3    20_06.rawmk3
16_48.rawmk3    17_34.rawmk3    18_27.rawmk3    19_22.rawmk3    20_09.rawmk3
16_50.rawmk3    17_37.rawmk3    18_33.rawmk3    19_25.rawmk3    20_12.rawmk3
16_53.rawmk3    17_40.rawmk3    18_37.rawmk3    19_28.rawmk3    20_15.rawmk3
16_56.rawmk3    17_43.rawmk3    18_39.rawmk3    19_31.rawmk3    20_18.rawmk3
16_59.rawmk3    17_46.rawmk3    18_42.rawmk3    19_34.rawmk3    20_20.rawmk3
17_02.rawmk3    17_49.rawmk3    18_45.rawmk3    19_37.rawmk3    20_23.rawmk3
17_05.rawmk3    17_52.rawmk3    18_48.rawmk3    19_40.rawmk3    20_26.rawmk3
17_08.rawmk3    17_55.rawmk3    18_51.rawmk3    19_43.rawmk3    20_29.rawmk3
17_11.rawmk3    17_58.rawmk3    18_54.rawmk3    19_45.rawmk3    c18_18.rawmk3
17_14.rawmk3    18_01.rawmk3    18_57.rawmk3    19_48.rawmk3    c18_24.rawmk3
17_17.rawmk3    18_03.rawmk3    19_00.rawmk3    19_51.rawmk3    c18_30.rawmk3
17_20.rawmk3    18_06.rawmk3    19_03.rawmk3    19_54.rawmk3
17_23.rawmk3    18_09.rawmk3    19_06.rawmk3    19_57.rawmk3
17_25.rawmk3    18_12.rawmk3    19_09.rawmk3    20_00.rawmk3
17_28.rawmk3    18_15.rawmk3    19_12.rawmk3    20_03.rawmk3
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