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                  Mauna Loa Solar Observatory Observer's Log
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          Tue Dec  7 18:32:46 GMT 1999
Year: 99  Doy: 341
Observer: yasukawa
WEATHER COMMENT: Tue Dec  7 18:33:15 GMT 1999
Cool, clear, brisk southeast wind.
COMMENT: Tue Dec  7 18:33:34 GMT 1999
Late start, had to drop kids off at school before leaving town today.
Tue Dec  7 18:34:04 GMT 1999    CHIP     Startup--Initializing new tape
Tue Dec  7 18:37:58 GMT 1999    MKIV     Start Patrol
Tue Dec  7 18:38:19 GMT 1999    PICS     Start Patrol
Tue Dec  7 18:38:19 GMT 1999    PICS     Start Patrol
**LOW-L PROBLEM**: Tue Dec  7 18:51:09 GMT 1999
LOWL found running this morning, but both tapes were popped out.
GUI indicating it was set to drive #1, with 4 files in the spool.
Removed L00648 from drive #1 amd L00649 froim drive #0, cleaned both drives.
LOaded L00650 into drive #0, L00651 into drive #1.
Rebooted CPU, set time and date, Restarted LOWL program, writing to drive #0.
**CHIP PROBLEM**: Tue Dec  7 18:55:20 GMT 1999
Just did 4th Cancel Wait to get off of Velocity (4th occurrence).
**MKIV PROBLEM**: Tue Dec  7 18:55:55 GMT 1999
Haven't been catching all of the phase reversals so far this morning
due to LOWL problem.
Tue Dec  7 19:03:09 GMT 1999    CHIP     Bias
Tue Dec  7 19:04:26 GMT 1999    CHIP     End Bias
Tue Dec  7 19:04:39 GMT 1999    CHIP     Water
Tue Dec  7 19:05:27 GMT 1999    CHIP     End Water
**PSPT PROBLEM**: Tue Dec  7 19:42:58 GMT 1999
Still having difficulty with mirror servo Y-axis.  Mirror on LED is not
turning on and Y meter indicating no attempt to acquire.  Troubleshooting
it, but without spare parts or boards, and adequate documentation and
training, this will be difficult.
**MKIV PROBLEM**: Tue Dec  7 19:46:20 GMT 1999
Phasing reversals are frequent and troubleshooting PSPT makes cataching and
fixing them hit-or-miss at best.
Tue Dec  7 20:03:05 GMT 1999    CHIP     Gain
Tue Dec  7 20:23:16 GMT 1999    CHIP     End Gain
Tue Dec  7 20:23:33 GMT 1999    CHIP     Bias
**CHIP PROBLEM**: Tue Dec  7 20:23:49 GMT 1999
CHIP stuck at -1000, -500 in Gain cal.  Cancelled Wait twice to resume.
Was troubleshooting PSPT so it was probably stuck a while.
Tue Dec  7 20:24:41 GMT 1999    CHIP     End Bias
Tue Dec  7 20:24:58 GMT 1999    CHIP     Water
Tue Dec  7 20:25:38 GMT 1999    CHIP     End Water
Tue Dec  7 21:02:00 GMT 1999    CHIP     Bias
Tue Dec  7 21:03:03 GMT 1999    CHIP     End Bias
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Tue Dec  7 21:03:18 GMT 1999     CHIP     Water
Tue Dec  7 21:04:05 GMT 1999     CHIP     End Water
**PSPT PROBLEM**: Tue Dec  7 21:31:27 GMT 1999
While troubleshooting mirror servo card, pspt suddenly came to life and began
running.  Checking parameters when it is working.
Tue Dec  7 22:02:00 GMT 1999     CHIP     Bias
Tue Dec  7 22:02:59 GMT 1999     CHIP     End Bias
Tue Dec  7 22:03:15 GMT 1999     CHIP     Water
Tue Dec  7 22:04:04 GMT 1999     CHIP     End Water
Tue Dec  7 22:10:55 GMT 1999     PICS     End Patrol
**PSPT PROBLEM**: Tue Dec  7 22:13:06 GMT 1999
Mirror servo board seemed to be OK except for mirror on LED being off
when mirror wouldn't lock on to sun.  Parameters while it was working
were similar to when it was not for the meter being pegged at the
same side during flat-field offsets.  The only other similarity that
could be a clue was the pspt suddenly locked on and began running
at around the same time it did yesterday at 21-something UT.
Both times I was troubleshooting with the instrument running but stalled
at the place where it was trying to lock on to the sun.
I will need to troubleshoot more to find the problem, in the meantime
the exercise is useful in helping me understand what is going on
on that circuit board.
COMMENT: Tue Dec  7 22:20:10 GMT 1999
Tapes:
MKIV:  99-341
PICS:  P01609
CHIP:  C00984
LOWL:  L00650 in drive #0
Tue Dec  7 22:22:11 GMT 1999
        MkIV


18_38.rawmk4    19_32.rawmk4    20_16.rawmk4    21_01.rawmk4    21_45.rawmk4
18_41.rawmk4    19_35.rawmk4    20_19.rawmk4    21_04.rawmk4    21_48.rawmk4
18_44.rawmk4    19_38.rawmk4    20_22.rawmk4    21_05.rawmk4    21_50.rawmk4
18_46.rawmk4    19_41.rawmk4    20_25.rawmk4    21_09.rawmk4    21_53.rawmk4
18_49.rawmk4    19_44.rawmk4    20_28.rawmk4    21_12.rawmk4    21_56.rawmk4
18_52.rawmk4    19_47.rawmk4    20_31.rawmk4    21_15.rawmk4    21_59.rawmk4
18_55.rawmk4    19_50.rawmk4    20_34.rawmk4    21_18.rawmk4    22_02.rawmk4
18_58.rawmk4    19_53.rawmk4    20_37.rawmk4    21_21.rawmk4    22_05.rawmk4
19_01.rawmk4    19_56.rawmk4    20_40.rawmk4    21_24.rawmk4    22_08.rawmk4
19_04.rawmk4    19_58.rawmk4    20_43.rawmk4    21_27.rawmk4    22_11.rawmk4
19_07.rawmk4    20_01.rawmk4    20_46.rawmk4    21_30.rawmk4    c19_13.rawmk4
19_10.rawmk4    20_04.rawmk4    20_49.rawmk4    21_33.rawmk4    c19_19.rawmk4
19_16.rawmk4    20_07.rawmk4    20_52.rawmk4    21_36.rawmk4    c19_26.rawmk4
19_22.rawmk4    20_10.rawmk4    20_55.rawmk4    21_39.rawmk4
19_29.rawmk4    20_13.rawmk4    20_58.rawmk4    21_42.rawmk4
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