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                 Mauna Loa Solar Observatory Observer's Log
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          Thu Apr 17 16:44:04 GMT 2003
Year: 03  Doy: 107
Observer: stueben
WEATHER COMMENT: Thu Apr 17 16:44:18 GMT 2003
Denser cirrostratus to the east, lighter overhead and west, light south wind,
temp 40F.
Thu Apr 17 17:35:07 GMT 2003    CHIP     Start Patrol
Thu Apr 17 17:35:26 GMT 2003    PICS     Start Patrol
WEATHER COMMENT: Thu Apr 17 17:35:40 GMT 2003
Clouds have thinned enough to start some instruments.
PSPT COMMENT: Thu Apr 17 17:44:12 GMT 2003
Observing.
Thu Apr 17 18:01:54 GMT 2003    PICS     Flat
Thu Apr 17 18:02:45 GMT 2003    CHIP     LSD
Thu Apr 17 18:04:15 GMT 2003    PICS     End Flat
Thu Apr 17 18:04:34 GMT 2003    CHIP     End LSD
Thu Apr 17 18:04:40 GMT 2003    CHIP     BiasLSD
Thu Apr 17 18:05:31 GMT 2003    CHIP     End BiasLSD
Thu Apr 17 18:05:37 GMT 2003    CHIP     Bias
Thu Apr 17 18:06:29 GMT 2003    CHIP     End Bias
Thu Apr 17 18:12:01 GMT 2003    MKIV     Start Patrol
Thu Apr 17 19:01:20 GMT 2003    MKIV     End Patrol
**MKIV PROBLEM**: Thu Apr 17 19:12:02 GMT 2003
We've pulled out the STM101 stepper motor driver board for the mk4 barrel
and Allen is soldering leads to the transistors so we can monitor the motor
drive pulses, the wires will dangle outside the box for o-scope connection.
**MKIV PROBLEM**: Thu Apr 17 19:19:09 GMT 2003
During test scans we had consistent partial sector scans with the typical stalls
and at the CCW side we'd get messages like "t_scan 0 records, barrel 2061
previous barrel 2061" and in the CW direction we'd see "t_scan 0 records,
barrel 63517 previous barrel 63517".  These were the typical messages, there
was always 0 scan records, the "previous barrel" value always matched the
"barrel" value, the actual values varied from about 1800-2100 in the CCW
direction and 59000-64000 in the CW direction.  So it does appear that the
program is stopping the barrel when it sees values outside of the normal
range which ends around 8000 in CCW direction and around 58000 in the CW dir.
COMMENT: Thu Apr 17 20:18:39 GMT 2003
Extended the dome slot.
Thu Apr 17 20:19:27 GMT 2003    MKIV     Start Patrol
**MKIV PROBLEM**: Thu Apr 17 20:38:58 GMT 2003
O-scope is connected upstairs to stepper motor board for barrel, the barrel is
behaving so we'll have to wait for it to misbehave to analyze the signals
further.  When running correctly the pulses are about 17 ms apart for each
of the 4 inputs that we can check.
Thu Apr 17 21:44:55 GMT 2003    MKIV     End Patrol
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Thu Apr 17 21:57:57 GMT 2003     MKIV     Start Patrol
Thu Apr 17 22:21:54 GMT 2003     MKIV     End Patrol
Thu Apr 17 22:23:27 GMT 2003     MKIV     Start Patrol
WEATHER COMMENT: Thu Apr 17 22:27:13 GMT 2003
Orographic clouds starting to come up.
Thu Apr 17 23:00:48 GMT 2003     PICS     End Patrol
WEATHER COMMENT: Thu Apr 17 23:04:41 GMT 2003
Getting foggy, paused instruments and closed domes.
Thu Apr 17 23:15:57 GMT 2003     CHIP     End Patrol
Thu Apr 17 23:22:45 GMT 2003     MKIV     End Patrol
Fri Apr 18 01:27:24 GMT 2003     MKIV     Start Patrol
Fri Apr 18 01:45:25 GMT 2003     MKIV     Start Patrol
Fri Apr 18 01:51:37 GMT 2003     MKIV     End Patrol
Fri Apr 18 01:53:22 GMT 2003
        MkIV


01_30.rawmk4   20_19.rawmk4   21_06.rawmk4   22_03.rawmk4   22_50.rawmk4
01_34.rawmk4   20_23.rawmk4   21_09.rawmk4   22_06.rawmk4   22_52.rawmk4
01_37.rawmk4   20_26.rawmk4   21_12.rawmk4   22_09.rawmk4   22_55.rawmk4
01_45.rawmk4   20_29.rawmk4   21_15.rawmk4   22_12.rawmk4   22_58.rawmk4
01_48.rawmk4   20_32.rawmk4   21_18.rawmk4   22_15.rawmk4   23_01.rawmk4
18_12.rawmk4   20_36.rawmk4   21_21.rawmk4   22_18.rawmk4   23_04.rawmk4
18_15.rawmk4   20_39.rawmk4   21_24.rawmk4   22_23.rawmk4   23_07.rawmk4
18_21.rawmk4   20_42.rawmk4   21_26.rawmk4   22_26.rawmk4   23_10.rawmk4
18_25.rawmk4   20_45.rawmk4   21_29.rawmk4   22_29.rawmk4   23_13.rawmk4
18_31.rawmk4   20_48.rawmk4   21_32.rawmk4   22_32.rawmk4   23_16.rawmk4
18_36.rawmk4   20_51.rawmk4   21_35.rawmk4   22_35.rawmk4   23_19.rawmk4
18_40.rawmk4   20_54.rawmk4   21_38.rawmk4   22_38.rawmk4
18_45.rawmk4   20_57.rawmk4   21_41.rawmk4   22_41.rawmk4
18_51.rawmk4   21_00.rawmk4   21_57.rawmk4   22_44.rawmk4
18_55.rawmk4   21_03.rawmk4   22_00.rawmk4   22_47.rawmk4
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