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                Mauna Loa Solar Observatory Observer's Log
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        Fri Dec 28 17:24:35 GMT 2001
Year: 01  Doy: 362
Observer: yasukawa
WEATHER COMMENT: Fri Dec 28 17:24:57 GMT 2001
Cool, in patch of scattered thin cirrus, south wind.
Fri Dec 28 17:37:21 GMT 2001    CHIP     Start Patrol
Fri Dec 28 17:38:25 GMT 2001    MKIV    Start Patrol
**PICS PROBLEM**: Fri Dec 28 17:40:28 GMT 2001
David's assessment of the PICS problem is camera shutter failure.  Testing
yesterdau using video mode confirms his assessment.  Pattern on image was
alternating between top and bottom, limb images use two exposures, one being
wrong at the beginning and the other being wrong at the end of the exposure,
in video mode I saw an odd/even variation in how the images were messed up.
Camera will have to go back to to Redlake MASD (formerly Kodak MASD) for repair.
PSPT COMMENT: Fri Dec 28 17:56:40 GMT 2001
Started observing.
Fri Dec 28 18:03:02 GMT 2001    CHIP     LSD
Fri Dec 28 18:05:22 GMT 2001    CHIP     End LSD
Fri Dec 28 18:05:36 GMT 2001    CHIP     BiasLSD
Fri Dec 28 18:06:23 GMT 2001    CHIP     End BiasLSD
Fri Dec 28 18:06:39 GMT 2001    CHIP     Bias
Fri Dec 28 18:07:27 GMT 2001    CHIP     End Bias
**PSPT PROBLEM**: Fri Dec 28 18:35:05 GMT 2001
PSPT stalled at 18:28 UT after centering solar image on CCD.  Error message
on IDL:  Execution halted at:  STR_TIME
                 5  str_time.pro

Killed runPspt.pro and restarted.
Fri Dec 28 19:03:01 GMT 2001    CHIP     LSD
Fri Dec 28 19:05:15 GMT 2001    CHIP     End LSD
Fri Dec 28 19:05:29 GMT 2001    CHIP     BiasLSD
Fri Dec 28 19:06:15 GMT 2001    CHIP     End BiasLSD
Fri Dec 28 19:06:23 GMT 2001    CHIP     Bias
Fri Dec 28 19:07:06 GMT 2001    CHIP     End Bias
**PSPT PROBLEM**: Fri Dec 28 19:27:25 GMT 2001
PSPT stalled again at 19:21 UT, same problem and resolution as above.
Fri Dec 28 19:30:42 GMT 2001    MKIV    End Patrol
Fri Dec 28 19:30:57 GMT 2001    MKIV    Start Cal
Fri Dec 28 19:49:46 GMT 2001    MKIV    End Cal
Fri Dec 28 19:49:56 GMT 2001    MKIV    Start Patrol
Fri Dec 28 20:02:53 GMT 2001    CHIP     LSD
**** EVENT COMMENT ****: Fri Dec 28 20:03:36 GMT 2001
CME starting at 1946 UT between PA 90-140.
Fri Dec 28 20:05:13 GMT 2001    CHIP     End LSD
Fri Dec 28 20:05:27 GMT 2001    CHIP     BiasLSD
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Fri Dec 28 20:06:20 GMT 2001    CHIP     End BiasLSD
Fri Dec 28 20:06:33 GMT 2001    CHIP     Bias
Fri Dec 28 20:07:20 GMT 2001    CHIP     End Bias
**** EVENT COMMENT ****: Fri Dec 28 20:25:43 GMT 2001
WOW, CME is a spectacular one!
**PSPT PROBLEM**: Fri Dec 28 20:32:55 GMT 2001
PSPT stalled again at 20:20 UT, this time trying to take red image
(Hi Res Data).  Kill/restart
**GONG PROBLEM**: Fri Dec 28 20:34:16 GMT 2001
GONG crash team arrived on mountain to troubleshoot and repair the
instrument's waveplate rotator problem.
Fri Dec 28 21:00:03 GMT 2001    CHIP     LSD
Fri Dec 28 21:02:17 GMT 2001    CHIP     End LSD
Fri Dec 28 21:02:30 GMT 2001    CHIP     BiasLSD
Fri Dec 28 21:03:17 GMT 2001    CHIP     End BiasLSD
Fri Dec 28 21:03:25 GMT 2001    CHIP     Bias
Fri Dec 28 21:04:10 GMT 2001    CHIP     End Bias
**PSPT PROBLEM**: Fri Dec 28 21:35:58 GMT 2001
PSPT stalled again at 21:17 UT, after centering.  This time, IDL message
was:  Execution halted at:  RTIME
           5  rtime.pro

Killed runPspt.pro and restarted.
**MKIV PROBLEM**: Fri Dec 28 21:52:39 GMT 2001
Investigated barrel angle acquisition system further and diagrammed it.
Sent email to Darryl and to Boulder detailing the interconnections and
possible solutions.  One solution would be to replace the power supply with
a larger (higher current) unit.  Other would be to disconnect the subsystem
that supplies the OCP Barrel module display.  One factor is the OCP display
shows constant angle readouts whereas the KCC gui displays intervals of
2-3 degree changes due to processing time requirements.  The OCP provides
better resolution when one needs to stop the barrel at some specific
angle.
Fri Dec 28 22:00:04 GMT 2001    CHIP     LSD
PSPT COMMENT: Fri Dec 28 19:27:16 GMT 2001
PSPT COMMENT: Fri Dec 28 22:01:42 GMT 2001
Ended observation.
Fri Dec 28 22:02:26 GMT 2001    CHIP     End LSD
Fri Dec 28 22:02:41 GMT 2001    CHIP     BiasLSD
Fri Dec 28 22:03:35 GMT 2001    CHIP     End BiasLSD
Fri Dec 28 22:03:50 GMT 2001    CHIP     Bias
Fri Dec 28 22:04:39 GMT 2001    CHIP     End Bias
Fri Dec 28 22:05:47 GMT 2001    MKIV    End Patrol
Fri Dec 28 22:07:00 GMT 2001    CHIP     End Patrol
Fri Dec 28 22:08:44 GMT 2001
        MkIV

17_38.rawmk4   18_31.rawmk4   19_24.rawmk4   20_28.rawmk4   21_21.rawmk4
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17_41.rawmk4	18_34.rawmk4	19_27.rawmk4	20_31.rawmk4	21_24.rawmk4
17_44.rawmk4	18_37.rawmk4	19_34.rawmk4	20_34.rawmk4	21_27.rawmk4
17_47.rawmk4	18_40.rawmk4	19_40.rawmk4	20_37.rawmk4	21_30.rawmk4
17_50.rawmk4	18_43.rawmk4	19_46.rawmk4	20_40.rawmk4	21_33.rawmk4
17_53.rawmk4	18_46.rawmk4	19_49.rawmk4	20_42.rawmk4	21_36.rawmk4
17_56.rawmk4	18_49.rawmk4	19_52.rawmk4	20_45.rawmk4	21_39.rawmk4
17_59.rawmk4	18_52.rawmk4	19_55.rawmk4	20_48.rawmk4	21_41.rawmk4
18_02.rawmk4	18_55.rawmk4	19_58.rawmk4	20_51.rawmk4	21_44.rawmk4
18_05.rawmk4	18_58.rawmk4	20_01.rawmk4	20_54.rawmk4	21_47.rawmk4
18_07.rawmk4	19_00.rawmk4	20_04.rawmk4	20_57.rawmk4	21_50.rawmk4
18_10.rawmk4	19_03.rawmk4	20_07.rawmk4	21_00.rawmk4	21_53.rawmk4
18_13.rawmk4	19_06.rawmk4	20_10.rawmk4	21_03.rawmk4	21_56.rawmk4
18_16.rawmk4	19_09.rawmk4	20_13.rawmk4	21_06.rawmk4	21_59.rawmk4
18_19.rawmk4	19_12.rawmk4	20_16.rawmk4	21_09.rawmk4	22_02.rawmk4
18_22.rawmk4	19_15.rawmk4	20_19.rawmk4	21_12.rawmk4	c19_30.rawmk4
18_25.rawmk4	19_18.rawmk4	20_22.rawmk4	21_15.rawmk4	c19_37.rawmk4
18_28.rawmk4	19_21.rawmk4	20_25.rawmk4	21_18.rawmk4	c19_43.rawmk4