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                   Mauna Loa Solar Observatory Observer's Log
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           Mon Feb 14 17:14:54 GMT 2000
Year: 00  Doy: 045
Observer: yasukawa
WEATHER COMMENT: Mon Feb 14 17:15:31 GMT 2000
Cool, clear, light southwest wind.
Mon Feb 14 17:15:51 GMT 2000    CHIP     Startup--Initializing new tape
Mon Feb 14 17:20:33 GMT 2000    CHIP     CHIP Start 7 Passband Patrol
Mon Feb 14 17:20:46 GMT 2000    PICS     Start Patrol
Mon Feb 14 17:20:52 GMT 2000    MKIV     Start Patrol
WEATHER COMMENT: Mon Feb 14 17:51:29 GMT 2000
Sky noisy around southwest of sun.
Mon Feb 14 18:00:24 GMT 2000    PICS     Flat
Mon Feb 14 18:03:00 GMT 2000    PICS     End Flat
**MKIV PROBLEM**: Mon Feb 14 18:03:50 GMT 2000
Noise on scan due to dusting off O1, looking at occulter thru ports,
and looking down tube to troubleshoot source of SW noise.  Also tried moving
tilt plate out all the way.
**MKIV PROBLEM**: Mon Feb 14 18:25:42 GMT 2000
There is a bright peak on the MKIV monitor trace in the outer coronal signal
which is probably causing the noise.  This peak occurs only during the
sector where the noise occurs. I suspect the tilt plate is hanging
into the edge of the beam and the calibration should result in the
tilt plate rest (tiltout) position probably changing from where it was.
If so, it should change the noise signature.
**MKIV PROBLEM**: Mon Feb 14 18:30:19 GMT 2000
coronal image after 0tilt scan is hosed.
**MKIV PROBLEM**: Mon Feb 14 18:36:47 GMT 2000
Coronal image after 15tilt scan is also hosed.
**MKIV PROBLEM**: Mon Feb 14 18:43:52 GMT 2000
Problem with the coronal scan is opal not moving out.
Will try resetting KCC after cal pau.
Mon Feb 14 18:48:02 GMT 2000    MKIV     Start Patrol
**MKIV PROBLEM**: Mon Feb 14 19:02:03 GMT 2000
Turned off KCC, swapped opal driver with dust cover driver and restarted
KCC.  Tilt plate is sagging into beam, opal is in before starting patrol.
Mon Feb 14 19:03:25 GMT 2000    MKIV     Start Patrol
**MKIV PROBLEM**: Mon Feb 14 19:05:07 GMT 2000
Tilt plate moved all the way out, but opal did not move out.
COMMENT: Mon Feb 14 19:23:16 GMT 2000
Stopping PICS and CHIP.  Working on MKIV opal and spar will be way
out of balance and will be jostled while working on it.
**CHIP PROBLEM**: Mon Feb 14 19:31:12 GMT 2000
I think CHIP is crashed.  will deal with that later.
Mon Feb 14 20:54:32 GMT 2000    PICS     Start Patrol
**CHIP PROBLEM**: Mon Feb 14 20:54:58 GMT 2000
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Cancelled Wait, Patrol resumed.
Mon Feb 14 20:55:29 GMT 2000    MKIV    Start Patrol
**MKIV PROBLEM**: Mon Feb 14 20:55:35 GMT 2000
Not sure what correction I made, possibly exercising the microswitches
on the opal mechanism cleared the stickiness.  Got the opal to respond
to the KCC commands.  Dust cap cable on exterior of assembly broke
off during all this.  Made the repair before re installing cover to
MK4.
eb 14 20:58:17 GMT 2000 CHIP    Gain7
**MKIV PROBLEM**: Mon Feb 14 21:03:10 GMT 2000
SW is still noisy.  Looked into tube and determined that tilt plate looked
adequately out of beam.  O1 was dusty due to all of the work I was doing
so I dusted it off front and back.
GONG COMMENT: Mon Feb 14 21:06:04 GMT 2000
going down to GONG to do weekly PM.
Mon Feb 14 21:06:50 GMT 2000    CHIP    End Gain
Mon Feb 14 21:07:00 GMT 2000    CHIP    Bias
Mon Feb 14 21:07:39 GMT 2000    CHIP    End Bias
Mon Feb 14 21:07:54 GMT 2000    CHIP    CHIP End Patrol
**MKIV PROBLEM**: Mon Feb 14 21:26:15 GMT 2000
Noisy "sky" in SW went away at 2116 UT.  Maybe it was the sky... I did
nothing--was down at GONG.
**CHIP PROBLEM**: Mon Feb 14 21:27:35 GMT 2000
CHIP stopped (as commanded before working on MK4 opal  - forgot I
requested an end).  Restarted Patrol.
Mon Feb 14 22:07:18 GMT 2000    PICS    End Patrol
Mon Feb 14 22:08:08 GMT 2000    CHIP    CHIP End Patrol
Mon Feb 14 22:08:42 GMT 2000    CHIP    ending tape
COMMENT: Mon Feb 14 22:09:01 GMT 2000
TAPES:
MKIV:  00-045
PICS:  P01664
CHIP:  C01041
LOWL:  L00671 in drive #0
Mon Feb 14 22:13:09 GMT 2000
        MkIV


17_20.rawmk4    17_56.rawmk4    18_41.rawmk4    21_16.rawmk4    21_51.rawmk4
17_23.rawmk4    17_59.rawmk4    18_48.rawmk4    21_19.rawmk4    21_54.rawmk4
17_26.rawmk4    18_02.rawmk4    18_51.rawmk4    21_22.rawmk4    21_57.rawmk4
17_29.rawmk4    18_05.rawmk4    19_03.rawmk4    21_25.rawmk4    22_00.rawmk4
17_32.rawmk4    18_08.rawmk4    19_06.rawmk4    21_28.rawmk4    22_03.rawmk4
17_35.rawmk4    18_11.rawmk4    20_55.rawmk4    21_31.rawmk4    c18_26.rawmk4
17_38.rawmk4    18_14.rawmk4    20_58.rawmk4    21_34.rawmk4    c18_32.rawmk4
17_41.rawmk4    18_17.rawmk4    21_01.rawmk4    21_37.rawmk4    c18_38.rawmk4
17_44.rawmk4    18_20.rawmk4    21_04.rawmk4    21_40.rawmk4
17_47.rawmk4    18_23.rawmk4    21_07.rawmk4    21_43.rawmk4
17_50.rawmk4    18_29.rawmk4    21_10.rawmk4    21_46.rawmk4
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17_53.rawmk4   18_35.rawmk4   21_13.rawmk4   21_48.rawmk4
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