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--------------------------------------------------------------------------------
                 Mauna Loa Solar Observatory Observer's Log
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         Sun Feb  1 17:44:19 GMT 2004
Year: 04  Doy: 032
Observer: koon
Sun Feb  1 17:50:26 GMT 2004    CHIP     Start Patrol
Sun Feb  1 17:50:35 GMT 2004    PICS     Start Patrol
WEATHER COMMENT: Sun Feb  1 17:44:21 GMT 2004
Clear sky, wind=10 mph from the SE, temp=35F, snow on the ground.
Sun Feb  1 17:55:16 GMT 2004    MKIV     Start Patrol
Sun Feb  1 18:02:41 GMT 2004    PICS     Flat
Sun Feb  1 18:02:45 GMT 2004    CHIP     LSD
Sun Feb  1 18:04:43 GMT 2004    CHIP     End LSD
Sun Feb  1 18:04:51 GMT 2004    CHIP     BiasLSD
Sun Feb  1 18:05:06 GMT 2004    PICS     End Flat
Sun Feb  1 18:05:48 GMT 2004    CHIP     End BiasLSD
Sun Feb  1 18:06:03 GMT 2004    CHIP     Bias
Sun Feb  1 18:07:02 GMT 2004    CHIP     End Bias
ECHO COMMENT: Sun Feb  1 18:30:50 GMT 2004
Time OK.
MKIV COMMENT: Sun Feb  1 18:31:35 GMT 2004
Centered occulting.
Sun Feb  1 18:32:03 GMT 2004    MKIV     End Patrol
Sun Feb  1 18:32:14 GMT 2004    MKIV     Start Cal
A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Sun Feb  1 18:39:16 GMT 2004
Sun Feb  1 19:14:05 GMT 2004    MKIV     Start Patrol
**PSPT PROBLEM**: Sun Feb  1 20:15:45 GMT 2004
Dome slips in Azimuth.  I've been working on that this morning.
**PSPT PROBLEM**: Sun Feb  1 21:06:39 GMT 2004
Found problem, our visitors apparently left an extension cord hanging where
the dome could snag it, then the cord gave enough tension to cause the
Dome Az motor gear to slip.  Cord looks OK, will tape it up where the outer
insulation is torn, then test it out.  The visitors aren't up here today.
PSPT COMMENT: Sun Feb  1 21:32:02 GMT 2004

Observing.
COMMENT: Sun Feb  1 21:48:10 GMT 2004
I secured the extension cord on the roof out of the way of the dome after
taping the tears in outer insulation.
Sun Feb  1 21:53:50 GMT 2004    MKIV     End Patrol
Sun Feb  1 21:54:01 GMT 2004    MKIV     Start Cal
MKIV COMMENT: Sun Feb  1 21:51:12 GMT 2004
I will be doing some tests, 3 calibrations taken with the tiltplates at 3
different azimuth settings.  At 0 (normal), and plus and minus 5.6 degrees
as requested.  We are trying to eliminate a cross shaped polarization pattern
seen in the calibrated images in Boulder.  The first cal is at 0, I haven't
moved the azimuth setting yet.
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MKIV COMMENT: Sun Feb  1 21:54:44 GMT 2004
Centered occulting.
Sun Feb  1 22:12:50 GMT 2004     MKIV     End Cal
Sun Feb  1 22:25:35 GMT 2004     MKIV     Start Cal
MKIV COMMENT: Sun Feb  1 22:25:45 GMT 2004
OK, now I turned the tiltplate assembly 5.6 degrees CW as viewed from the
detector side toward the O1, I'll call this +5.6 degrees and I've labeled
the rotator markings to show that.  Now I'm doing the 2nd cal.
Sun Feb  1 22:44:24 GMT 2004     MKIV     End Cal
Sun Feb  1 22:49:14 GMT 2004     MKIV     Start Cal
MKIV COMMENT: Sun Feb  1 22:49:17 GMT 2004
OK, I moved the tiltplate assembly to -5.6 degrees in azimuth, I'm taking the
3rd cal of this set.
Sun Feb  1 23:07:59 GMT 2004     MKIV     End Cal
Sun Feb  1 23:10:37 GMT 2004     MKIV     Start Cal
MKIV COMMENT: Sun Feb  1 23:10:39 GMT 2004
OK, I've moved the tiltplate azimuth back to 0 degrees, I am doing one more
cal at this position, then I'll continue with data acquisition.
MKIV COMMENT: Sun Feb  1 23:24:27 GMT 2004
This last cal is ruined because the spar lost guiding, will redo.
COMMENT: Sun Feb  1 23:24:56 GMT 2004
Lost Dec guiding, repointed and reset guider.
Sun Feb  1 23:29:19 GMT 2004     MKIV     End Cal
MKIV COMMENT: Sun Feb  1 23:29:23 GMT 2004
OK, here is another try to get a final cal with tiltplates at azimuth 0.
Sun Feb  1 23:49:26 GMT 2004     MKIV     End Cal
Sun Feb  1 23:51:37 GMT 2004     MKIV     Start Patrol
MKIV COMMENT: Sun Feb  1 23:51:42 GMT 2004
Centered occulting, back to regular data acquisition.
MKIV COMMENT: Mon Feb  2 01:05:20 GMT 2004
Centered occulting.
Mon Feb  2 02:15:55 GMT 2004     CHIP     End Patrol
Mon Feb  2 02:15:59 GMT 2004     PICS     End Patrol
Mon Feb  2 02:19:34 GMT 2004     MKIV     End Patrol
Mon Feb  2 02:28:55 GMT 2004
        MkIV


00_00.rawmk4    01_32.rawmk4    19_17.rawmk4    20_48.rawmk4    23_13.rawmk4
00_03.rawmk4    01_34.rawmk4    19_19.rawmk4    20_51.rawmk4    23_19.rawmk4
00_06.rawmk4    01_37.rawmk4    19_22.rawmk4    20_54.rawmk4    23_25.rawmk4
00_09.rawmk4    01_40.rawmk4    19_25.rawmk4    20_57.rawmk4    23_33.rawmk4
00_12.rawmk4    01_43.rawmk4    19_28.rawmk4    21_00.rawmk4    23_39.rawmk4
00_15.rawmk4    01_46.rawmk4    19_31.rawmk4    21_03.rawmk4    23_45.rawmk4
00_18.rawmk4    01_49.rawmk4    19_34.rawmk4    21_06.rawmk4    23_51.rawmk4
00_21.rawmk4    01_52.rawmk4    19_37.rawmk4    21_09.rawmk4    23_54.rawmk4
00_24.rawmk4    01_55.rawmk4    19_40.rawmk4    21_12.rawmk4    23_57.rawmk4
00_27.rawmk4    01_58.rawmk4    19_43.rawmk4    21_15.rawmk4    c18_32.rawmk4
00_30.rawmk4    02_01.rawmk4    19_46.rawmk4    21_18.rawmk4    c18_38.rawmk4
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00_32.rawmk4	02_04.rawmk4	19_49.rawmk4	21_21.rawmk4	c18_44.rawmk4
00_35.rawmk4	02_07.rawmk4	19_52.rawmk4	21_24.rawmk4	c21_54.rawmk4
00_38.rawmk4	02_10.rawmk4	19_55.rawmk4	21_27.rawmk4	c22_00.rawmk4
00_41.rawmk4	02_13.rawmk4	19_58.rawmk4	21_29.rawmk4	c22_06.rawmk4
00_44.rawmk4	02_16.rawmk4	20_01.rawmk4	21_32.rawmk4	c22_25.rawmk4
00_47.rawmk4	17_58.rawmk4	20_04.rawmk4	21_35.rawmk4	c22_31.rawmk4
00_50.rawmk4	18_02.rawmk4	20_07.rawmk4	21_38.rawmk4	c22_37.rawmk4
00_53.rawmk4	18_05.rawmk4	20_10.rawmk4	21_41.rawmk4	c22_49.rawmk4
00_56.rawmk4	18_08.rawmk4	20_12.rawmk4	21_44.rawmk4	c22_55.rawmk4
00_59.rawmk4	18_11.rawmk4	20_15.rawmk4	21_47.rawmk4	c23_01.rawmk4
01_02.rawmk4	18_13.rawmk4	20_18.rawmk4	21_50.rawmk4	c23_10.rawmk4
01_05.rawmk4	18_16.rawmk4	20_21.rawmk4	21_57.rawmk4	c23_16.rawmk4
01_08.rawmk4	18_19.rawmk4	20_24.rawmk4	22_03.rawmk4	c23_22.rawmk4
01_11.rawmk4	18_22.rawmk4	20_27.rawmk4	22_09.rawmk4	c23_29.rawmk4
01_14.rawmk4	18_25.rawmk4	20_30.rawmk4	22_28.rawmk4	c23_36.rawmk4
01_17.rawmk4	18_28.rawmk4	20_33.rawmk4	22_34.rawmk4	c23_42.rawmk4
01_20.rawmk4	18_35.rawmk4	20_36.rawmk4	22_40.rawmk4	
01_23.rawmk4	18_41.rawmk4	20_39.rawmk4	22_52.rawmk4	
01_26.rawmk4	18_47.rawmk4	20_42.rawmk4	22_58.rawmk4	
01_29.rawmk4	19_14.rawmk4	20_45.rawmk4	23_04.rawmk4	