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Mauna Loa Solar Observatory Observer's Log  
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Sun Jan 5 17:31:42 GMT 2003

Year: 03 Doy: 005

Observer: koon

Sun Jan 5 17:37:00 GMT 2003 PICS Start Patrol

Sun Jan 5 17:37:32 GMT 2003 CHIP Start Patrol

Sun Jan 5 17:37:41 GMT 2003 MKIV Start Patrol

WEATHER COMMENT: Sun Jan 5 17:31:46 GMT 2003

Thin cirrostratus, wind=5 mph from the SE, temp=40 F.

MKIV COMMENT: Sun Jan 5 17:42:24 GMT 2003

Centered occulting.

PSPT COMMENT: Sun Jan 5 17:47:04 GMT 2003

Observing.

Sun Jan 5 18:01:43 GMT 2003 CHIP LSD

Sun Jan 5 18:03:42 GMT 2003 CHIP End LSD

Sun Jan 5 18:03:51 GMT 2003 CHIP BiasLSD

Sun Jan 5 18:04:03 GMT 2003 PICS Flat

Sun Jan 5 18:04:32 GMT 2003 CHIP End BiasLSD

Sun Jan 5 18:04:47 GMT 2003 CHIP Bias

Sun Jan 5 18:05:37 GMT 2003 CHIP End Bias

Sun Jan 5 18:06:34 GMT 2003 PICS End Flat

Sun Jan 5 18:13:28 GMT 2003 MKIV End Patrol

MKIV COMMENT: Sun Jan 5 18:13:24 GMT 2003

Centered occulting.

Sun Jan 5 18:13:39 GMT 2003 MKIV Start Cal

A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Sun Jan 5 18:28:31 GMT 2003

COMMENT: Sun Jan 5 18:30:22 GMT 2003

We only get one day of data per DLT tape now that we have longer obs days.

Sun Jan 5 18:32:27 GMT 2003 MKIV End Cal

Sun Jan 5 18:34:37 GMT 2003 MKIV Start Patrol

MKIV COMMENT: Sun Jan 5 20:02:11 GMT 2003

Centered occulting.

MKIV COMMENT: Sun Jan 5 21:44:43 GMT 2003

Centered occulting.

COMMENT: Sun Jan 5 22:58:16 GMT 2003

Lost guiding, repointed and reset guider.

COMMENT: Sun Jan 5 23:34:29 GMT 2003

I haven't noticed any vignetting of mk4 or PICS today, the dome guiding appears to be set well, it gets really tight around solar noon (2230 UT) as usual - with only an inch or two between the edge of the O1 lenses and the shadow of the edge of the domes. This will be a bigger problem around the summer solstice at solar noon as we've noticed in the past, we may have to turn off the dome rotator at times like that. I can see that the PSPT will start to be vignetted soon, that should be easy to fix because only one side of the slot (left side looking out through it) vignets the telescope, so there is plenty of room to readjust and calibrate the dome pointing I think.

Mon Jan 6 00:02:14 GMT 2003 PICS polarization\_calibration

MKIV COMMENT: Mon Jan 6 00:23:16 GMT 2003

Centered occulting.

PSPT COMMENT: Mon Jan 6 00:23:26 GMT 2003

I recalibrated the dome pointing, the telescope should stay clear throughout the entire day, I took into consideration the state of early morning pointing too. In case I adjusted it too far there could be telescope vignetting from the right side of the slot in the morning - but I doubt it. I left instructions on how to set this in the logbook just in case.

\*\*ECHO PROBLEM\*\*: Mon Jan 6 00:31:17 GMT 2003

The disk images were dark so I quit and restarted echosys.

\*\*PICS PROBLEM\*\*: Mon Jan 6 00:40:20 GMT 2003

Stalled with Program: PICS\_cal\_1 , this must be the same problem that has happened on all long days so far. did a Kill/Run cycle to fix it.

Mon Jan 6 00:50:24 GMT 2003 PICS Start Patrol

MKIV COMMENT: Mon Jan 6 00:53:53 GMT 2003

Centered occulting.

MKIV COMMENT: Mon Jan 6 01:46:47 GMT 2003

Centered occulting.

Mon Jan 6 02:17:48 GMT 2003 CHIP End Patrol

Mon Jan 6 02:18:35 GMT 2003 PICS End Patrol

Mon Jan 6 02:20:24 GMT 2003 MKIV End Patrol

Mon Jan 6 02:35:08 GMT 2003

MkIV

00_01.rawmk4	01_47.rawmk4	19_01.rawmk4	20_44.rawmk4	22_26.rawmk4
00_04.rawmk4	01_50.rawmk4	19_04.rawmk4	20_46.rawmk4	22_29.rawmk4
00_06.rawmk4	01_53.rawmk4	19_06.rawmk4	20_49.rawmk4	22_32.rawmk4
00_09.rawmk4	01_56.rawmk4	19_09.rawmk4	20_52.rawmk4	22_35.rawmk4
00_12.rawmk4	01_59.rawmk4	19_12.rawmk4	20_55.rawmk4	22_38.rawmk4
00_15.rawmk4	02_02.rawmk4	19_15.rawmk4	20_58.rawmk4	22_41.rawmk4
00_18.rawmk4	02_05.rawmk4	19_18.rawmk4	21_01.rawmk4	22_44.rawmk4
00_21.rawmk4	02_08.rawmk4	19_21.rawmk4	21_04.rawmk4	22_47.rawmk4
00_24.rawmk4	02_11.rawmk4	19_24.rawmk4	21_07.rawmk4	22_50.rawmk4
00_27.rawmk4	02_14.rawmk4	19_27.rawmk4	21_10.rawmk4	22_53.rawmk4
00_30.rawmk4	02_17.rawmk4	19_30.rawmk4	21_13.rawmk4	22_56.rawmk4
00_33.rawmk4	17_37.rawmk4	19_33.rawmk4	21_16.rawmk4	22_59.rawmk4
00_36.rawmk4	17_40.rawmk4	19_36.rawmk4	21_19.rawmk4	23_02.rawmk4
00_39.rawmk4	17_43.rawmk4	19_39.rawmk4	21_22.rawmk4	23_05.rawmk4
00_42.rawmk4	17_46.rawmk4	19_42.rawmk4	21_25.rawmk4	23_08.rawmk4
00_45.rawmk4	17_49.rawmk4	19_45.rawmk4	21_28.rawmk4	23_11.rawmk4
00_48.rawmk4	17_52.rawmk4	19_48.rawmk4	21_31.rawmk4	23_14.rawmk4
00_51.rawmk4	17_55.rawmk4	19_51.rawmk4	21_33.rawmk4	23_16.rawmk4
00_54.rawmk4	17_58.rawmk4	19_53.rawmk4	21_36.rawmk4	23_19.rawmk4
00_59.rawmk4	18_01.rawmk4	19_56.rawmk4	21_39.rawmk4	23_22.rawmk4
01_03.rawmk4	18_04.rawmk4	19_59.rawmk4	21_42.rawmk4	23_25.rawmk4
01_06.rawmk4	18_07.rawmk4	20_02.rawmk4	21_45.rawmk4	23_28.rawmk4
01_09.rawmk4	18_10.rawmk4	20_05.rawmk4	21_48.rawmk4	23_31.rawmk4

01_12.rawmk4	18_16.rawmk4	20_08.rawmk4	21_51.rawmk4	23_34.rawmk4
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01_18.rawmk4	18_29.rawmk4	20_14.rawmk4	21_57.rawmk4	23_40.rawmk4
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01_24.rawmk4	18_37.rawmk4	20_20.rawmk4	22_03.rawmk4	23_46.rawmk4
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01_39.rawmk4	18_52.rawmk4	20_35.rawmk4	22_18.rawmk4	c18_13.rawmk4
01_41.rawmk4	18_55.rawmk4	20_38.rawmk4	22_21.rawmk4	c18_19.rawmk4
01_44.rawmk4	18_58.rawmk4	20_41.rawmk4	22_24.rawmk4	c18_25.rawmk4