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Mauna Loa Solar Observatory Observer's Log  
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Thu Mar 20 17:00:06 GMT 2003

Year: 03 Doy: 079

Observer: stueben

Thu Mar 20 17:03:04 GMT 2003 CHIP Start Patrol

Thu Mar 20 17:03:16 GMT 2003 PICS Start Patrol

WEATHER COMMENT: Thu Mar 20 17:02:13 GMT 2003

Clear, moderate south wind, temp 40F.

Thu Mar 20 17:25:13 GMT 2003 MKIV Start Patrol

MKIV COMMENT: Thu Mar 20 17:25:38 GMT 2003

Centered occulting.

A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Thu Mar 20 17:35:43 GMT 2003

MKIV COMMENT: Thu Mar 20 17:58:01 GMT 2003

Centered occulting.

Thu Mar 20 18:00:44 GMT 2003 CHIP LSD

Thu Mar 20 18:02:38 GMT 2003 PICS Flat

Thu Mar 20 18:02:49 GMT 2003 CHIP End LSD

Thu Mar 20 18:02:58 GMT 2003 CHIP BiasLSD

Thu Mar 20 18:03:52 GMT 2003 CHIP End BiasLSD

Thu Mar 20 18:04:07 GMT 2003 CHIP Bias

Thu Mar 20 18:05:05 GMT 2003 PICS End Flat

Thu Mar 20 18:05:05 GMT 2003 CHIP End Bias

Thu Mar 20 18:06:42 GMT 2003 MKIV End Patrol

Thu Mar 20 18:06:51 GMT 2003 MKIV Start Cal

Thu Mar 20 18:25:34 GMT 2003 MKIV End Cal

Thu Mar 20 18:25:46 GMT 2003 MKIV Start Patrol

\*\*PSPT PROBLEM\*\* Thu Mar 20 18:35:36 GMT 2003

Had to reload a backup pspt.ini file to get the telescope to point correctly at startup, AZerr was around 300.00 before that. Observing now.

MKIV COMMENT: Thu Mar 20 18:49:28 GMT 2003

Centered occulting.

MKIV COMMENT: Thu Mar 20 20:23:35 GMT 2003

Centered 01 guider.

COMMENT: Thu Mar 20 21:05:28 GMT 2003

Sky transmission telescope domed out by left edge of dome. Repositioned dome, also reconfigured dome.

COMMENT: Thu Mar 20 21:09:23 GMT 2003

What looked like a possible loss of Dec guiding was just the Sky Tx telescope being vignetted by the dome. Dec tracking stills seems much better since I tightened the Dec clutch.

MKIV COMMENT: Thu Mar 20 22:33:00 GMT 2003

Centered 01 guider.

PSPT COMMENT: Fri Mar 21 00:09:34 GMT 2003

OK, I figured out a way to fairly easily manually point and change the exposures for test images, then I took a set of test images for Randy, I'll send him time and setting info. I wrote the procedure in our log book along

with the times and settings for my tests. The main discoveries were that you must leave the mouse cursor in the "Time" field of the main GUI both for editing the number there (which is the exposure time) and when you then press the "Return" key to actually change the exposure value, if this is done correctly you will see a message like "New expTime is 500" in the IDL xterm window. Use the Slew Control choice from the PC CMD dropdown menu in the GUI to offpoint the telescope, turn off the active mirror and Guider Servo before offpointing. I used regular and long exposures for the diffuser images to try to get usable images.

MKIV COMMENT: Fri Mar 21 00:33:35 GMT 2003

Centered 01 guider.

COMMENT: Fri Mar 21 00:36:58 GMT 2003

Reconfigured dome.

\*\*CHIP PROBLEM\*\*: Fri Mar 21 00:58:07 GMT 2003

Centering was off in Y-direction, manually repointed.

COMMENT: Fri Mar 21 01:36:16 GMT 2003

Lost spar guiding, it was off in both RA and Dec, and not as far off in Dec as it used to be. So it appears that it would help to press the Dec reset near this time of day to recenter it and maybe prevent it from losing guiding.

COMMENT: Fri Mar 21 01:38:29 GMT 2003

Repointed and reset guider to fix problem mentioned above.

MKIV COMMENT: Fri Mar 21 01:39:06 GMT 2003

Centered occulting.

Fri Mar 21 02:05:25 GMT 2003      CHIP      Start Patrol

Fri Mar 21 02:22:57 GMT 2003      CHIP      End Patrol

Fri Mar 21 02:23:43 GMT 2003      MKIV      End Patrol

Fri Mar 21 02:24:37 GMT 2003      PICS      End Patrol

Fri Mar 21 02:29:14 GMT 2003

MkIV

00_01.rawmk4	01_53.rawmk4	18_55.rawmk4	20_44.rawmk4	22_32.rawmk4
00_04.rawmk4	01_56.rawmk4	18_58.rawmk4	20_46.rawmk4	22_35.rawmk4
00_07.rawmk4	01_59.rawmk4	19_01.rawmk4	20_49.rawmk4	22_38.rawmk4
00_10.rawmk4	02_02.rawmk4	19_04.rawmk4	20_52.rawmk4	22_41.rawmk4
00_12.rawmk4	02_05.rawmk4	19_06.rawmk4	20_55.rawmk4	22_44.rawmk4
00_15.rawmk4	02_08.rawmk4	19_09.rawmk4	20_58.rawmk4	22_47.rawmk4
00_18.rawmk4	02_11.rawmk4	19_12.rawmk4	21_01.rawmk4	22_50.rawmk4
00_21.rawmk4	02_14.rawmk4	19_15.rawmk4	21_04.rawmk4	22_53.rawmk4
00_24.rawmk4	02_17.rawmk4	19_18.rawmk4	21_07.rawmk4	22_56.rawmk4
00_27.rawmk4	02_20.rawmk4	19_21.rawmk4	21_10.rawmk4	22_59.rawmk4
00_30.rawmk4	17_25.rawmk4	19_24.rawmk4	21_13.rawmk4	23_02.rawmk4
00_33.rawmk4	17_28.rawmk4	19_27.rawmk4	21_16.rawmk4	23_05.rawmk4
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00_54.rawmk4	17_45.rawmk4	19_45.rawmk4	21_33.rawmk4	23_22.rawmk4

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01_42.rawmk4	18_43.rawmk4	20_32.rawmk4	22_21.rawmk4	
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01_47.rawmk4	18_49.rawmk4	20_38.rawmk4	22_27.rawmk4	
01_50.rawmk4	18_52.rawmk4	20_41.rawmk4	22_29.rawmk4	