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Mauna Loa Solar Observatory Observer's Log

Mon Mar 3 16:51:57 GMT 2003 Year: 03 Doy: 062 Observer: stueben WEATHER COMMENT: Mon Mar 3 17:06:32 GMT 2003 Clear, light south wind, temp 36F. Mon Mar 3 17:10:19 GMT 2003 CHIP Start Patrol Mon Mar 3 17:10:37 GMT 2003 PTCS Start Patrol PSPT COMMENT: Mon Mar 3 17:16:10 GMT 2003 Started daily observations. A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Mon Mar 3 17:32:04 GMT 2003 MKIV COMMENT: Mon Mar 3 17:34:55 GMT 2003 Centered 01 quider. Mon Mar 3 17:35:11 GMT 2003 MKIV Start Patrol \*\*MKIV PROBLEM\*\*: Mon Mar 3 17:41:36 GMT 2003 MK4 not starting when Patrol requested. Resetting KCC. Mon Mar 3 17:45:05 GMT 2003 MKIV Start Patrol \*\*MKIV PROBLEM\*\*: Mon Mar 3 17:59:31 GMT 2003 Experienced data dropouts on first two scans. Subsequent two scans were OK. Mon Mar 3 18:01:44 GMT 2003 CHIP LSD Mon Mar 3 18:03:29 GMT 2003 CHIP End LSD Mon Mar 3 18:03:45 GMT 2003 BiasLSD CHIP Mon Mar 3 18:03:53 GMT 2003 PICS Flat Mon Mar 3 18:04:45 GMT 2003 End BiasLSD CHIP Mon Mar 3 18:05:00 GMT 2003 CHIP Bias Mon Mar 3 18:05:55 GMT 2003 End Bias CHIP Mon Mar 3 18:06:25 GMT 2003 End Flat PICS MKIV COMMENT: Mon Mar 3 18:32:26 GMT 2003 Centered 01 quider. Mon Mar 3 18:37:11 GMT 2003 MKIV Start Cal PSPT COMMENT: Mon Mar 3 18:53:03 GMT 2003 Started filter temperature controller. Initial temp 53.8F, temp setpoint 80.0F. Mon Mar 3 18:56:37 GMT 2003 MKIV End Cal Mon Mar 3 18:56:48 GMT 2003 MKIV Start Patrol \*\*\*\* EVENT COMMENT \*\*\*\*: Mon Mar 3 19:43:35 GMT 2003 An expanding prominence at about PA 315 is visible in the corona and very faintly in the PICS limb starting about 18:00 UT. MKIV COMMENT: Mon Mar 3 19:50:25 GMT 2003 Centered 01 guider. Have had no scans with data dropouts since running cal. PSPT COMMENT: Mon Mar 3 19:57:08 GMT 2003 Temerature rapidly stabilized near setpoint after controller was turned on. Time/Temp during startup - 18:52/53.8F, 18:55/69.5F, 18:57/75.8F, 1859/80.0F. After warmup temperature varies between 79.5F and 81.7F. \*\*PSPT PROBLEM\*\*: Mon Mar 3 20:22:04 GMT 2003 PSPT crashed in Photo Data taking CaK image (1/3) at 20:05 UT.

Killed/restarted. \*\*\*\* EVENT COMMENT \*\*\*\*: Mon Mar 3 20:33:47 GMT 2003 EPL at PA 120-135 from 2013 UT. in progress. \*\*\*\* EVENT COMMENT \*\*\*\*: Mon Mar 3 20:43:44 GMT 2003 A narrow streamer at PA 120 appears to be lengthening and brightening from around 1955 UT. \*\*\*\* EVENT COMMENT \*\*\*\*: Mon Mar 3 20:45:31 GMT 2003 Material can still be seen moving through the corona at PA 310-320. Mon Mar 3 21:16:37 GMT 2003 CHIP End Patrol Mon Mar 3 21:16:47 GMT 2003 PTCS End Patrol \*\*MKIV PROBLEM\*\*: Mon Mar 3 21:18:14 GMT 2003 Mk4 stalled about 20:20. Will restart after reconfiguring dome. COMMENT: Mon Mar 3 21:20:09 GMT 2003 Idled PICS, CHIP, Mk4 to reconfigure dome. Mon Mar 3 21:22:57 GMT 2003 CHIP Start Patrol Mon Mar 3 21:23:02 GMT 2003 PICS Start Patrol MKIV COMMENT: Mon Mar 3 21:24:49 GMT 2003 Centered 01 guider. Mon Mar 3 21:27:56 GMT 2003 MKIV End Patrol Mon Mar 3 21:28:13 GMT 2003 MKIV Start Patrol \*\*MKIV PROBLEM\*\*: Mon Mar 3 21:28:43 GMT 2003 Mk4 restarted by itself about 21:18UT. IDLE had been selected but not other action taken. It started and completed a scan then went to IDLE (though IDLE had been deselected). PATROL was then selected and normal operation began. GONG COMMENT: Mon Mar 3 21:38:24 GMT 2003 Did the GONG weekly and monthly PM. \*\*MKIV PROBLEM\*\*: Mon Mar 3 21:48:21 GMT 2003 Spar may get jostled as I remove the PICS insulating cover to access the barrel position flat cable. Want to inspect for damage at the time PICS cover was on and off on Friday. Cable is between PICS cover and cable raceway, not accessible with cover on. \*\*MKIV PROBLEM\*\*: Mon Mar 3 22:05:30 GMT 2003 No damage to flat cable carrying barrel position information down to OCP. MKIV COMMENT: Mon Mar 3 22:39:10 GMT 2003 Centered 01 guider. MKIV COMMENT: Mon Mar 3 23:46:43 GMT 2003 Centered 01 guider. \*\*MKIV PROBLEM\*\*: Mon Mar 3 23:58:50 GMT 2003 There have been several more scans with data dropouts, the most recent at 23:28UT. The Mk4 has not stalled or had other obvious faults when the dropouts occurred. WEATHER COMMENT: Tue Mar 4 00:31:55 GMT 2003 Orograhic clouds beginning to form. MKIV COMMENT: Tue Mar 4 00:33:27 GMT 2003 Centered 01 guider. WEATHER COMMENT: Tue Mar 4 00:43:29 GMT 2003 In orographic clouds. Tue Mar 4 01:05:27 GMT 2003 MKIV Start Patrol

Tue Mar 4 01:16:20 GMT 2003 CHIP End Patrol Tue Mar 4 01:16:36 GMT 2003 PICS End Patrol COMMENT: Tue Mar 4 01:16:33 GMT 2003 Stopping to reconfigure dome shutter. 4 01:17:30 GMT 2003 Tue Mar MKIV End Patrol 4 01:22:22 GMT 2003 Tue Mar Start Patrol MKIV 4 01:22:40 GMT 2003 Tue Mar CHIP Start Patrol 4 01:22:53 GMT 2003 Start Patrol Tue Mar PICS Tue Mar 4 01:58:17 GMT 2003 PICS End Patrol PSPT COMMENT: Tue Mar 4 01:58:49 GMT 2003 Shutting down PSPT. Tue Mar 4 01:58:59 GMT 2003 CHIP End Patrol WEATHER COMMENT: Tue Mar 4 01:59:02 GMT 2003 Clouds pretty heavy down to horizon. Shutting down for the day. Tue Mar 4 02:03:48 GMT 2003 End Patrol MKIV Tue Mar 4 02:06:51 GMT 2003 MkIV 00 01.rawmk4 01 40.rawmk4 19 02.rawmk4 21 28.rawmk4 22 47.rawmk4 00\_03.rawmk4 01\_42.rawmk4 19\_05.rawmk4 21\_31.rawmk4 22\_50.rawmk4 00\_06.rawmk4 01\_45.rawmk4 19\_08.rawmk4 21\_34.rawmk4 22\_53.rawmk4 00 09.rawmk4 01 48.rawmk4 19 11.rawmk4 21 37.rawmk4 22 56.rawmk4 00\_12.rawmk4 01\_51.rawmk4 19\_14.rawmk4 21\_40.rawmk4 22\_59.rawmk4 00 15.rawmk4 01 54.rawmk4 19 17.rawmk4 21 42.rawmk4 23 02.rawmk4 21 45.rawmk4 23 05.rawmk4 00 18.rawmk4 01 57.rawmk4 19 20.rawmk4 00 21.rawmk4 02 00.rawmk4 19 23.rawmk4 21 48.rawmk4 23 08.rawmk4 00 24.rawmk4 17 45.rawmk4 19 26.rawmk4 21 51.rawmk4 23 11.rawmk4 00 27.rawmk4 17 48.rawmk4 19 29.rawmk4 21 54.rawmk4 23 14.rawmk4 00\_30.rawmk4 17\_52.rawmk4 19\_32.rawmk4 21\_57.rawmk4 23\_17.rawmk4 00\_33.rawmk4 17\_56.rawmk4 19\_35.rawmk4 22\_00.rawmk4 23\_20.rawmk4 00 36.rawmk4 17 59.rawmk4 19 37.rawmk4 22 03.rawmk4 23 23.rawmk4 19 40.rawmk4 00\_39.rawmk4 18\_02.rawmk4 22\_06.rawmk4 23 25.rawmk4 00\_42.rawmk4 18\_05.rawmk4 19\_43.rawmk4 22\_09.rawmk4 23\_28.rawmk4 00 45.rawmk4 18 09.rawmk4 19 46.rawmk4 22 12.rawmk4 23 32.rawmk4 00 48.rawmk4 18 13.rawmk4 19 49.rawmk4 22\_15.rawmk4 23 37.rawmk4 01 05.rawmk4 18 17.rawmk4 19 55.rawmk4 22 18.rawmk4 23 40.rawmk4 01 08.rawmk4 18 21.rawmk4 19 59.rawmk4 22 21.rawmk4 23 43.rawmk4 01\_11.rawmk4 18\_26.rawmk4 20\_02.rawmk4 22\_24.rawmk4 23\_46.rawmk4 01 14.rawmk4 18 29.rawmk4 20 05.rawmk4 22 27.rawmk4 23 49.rawmk4 01 22.rawmk4 18 32.rawmk4 20 08.rawmk4 22 30.rawmk4 23 52.rawmk4 01\_25.rawmk4 18\_40.rawmk4 20\_11.rawmk4 22\_33.rawmk4 23\_55.rawmk4 01 28.rawmk4 18 47.rawmk4 20 14.rawmk4 22 36.rawmk4 23 58.rawmk4 01 31.rawmk4 18 53.rawmk4 20 17.rawmk4 22 38.rawmk4 c18 37.rawmk4 01\_34.rawmk4 18\_56.rawmk4 20\_20.rawmk4 22\_41.rawmk4 c18\_43.rawmk4 01 37.rawmk4 18 59.rawmk4 21\_24.rawmk4 22\_44.rawmk4 c18 50.rawmk4