
Mauna Loa Solar Observatory Observer's Log

Sun Jun 25 16:45:36 GMT 2006

Year: 06 Doy: 176

Observer: koon

Sun Jun 25 16:49:49 GMT 2006 MKIV Start Patrol

WEATHER COMMENT: Sun Jun 25 16:45:41 GMT 2006

Clear sky, wind=5 mph from the East, temp=46F.

____end____

Sun Jun 25 16:51:45 GMT 2006 CHIP Start Patrol

Sun Jun 25 16:56:59 GMT 2006 PICS Start Patrol

Sun Jun 25 18:00:46 GMT 2006 CHIP LSD

Sun Jun 25 18:01:12 GMT 2006 PICS Flat

Sun Jun 25 18:02:24 GMT 2006 CHIP End LSD

Sun Jun 25 18:02:33 GMT 2006 CHIP BiasLSD

Sun Jun 25 18:03:17 GMT 2006 CHIP End BiasLSD

Sun Jun 25 18:03:32 GMT 2006 CHIP Bias

Sun Jun 25 18:03:37 GMT 2006 PICS End Flat

Sun Jun 25 18:03:57 GMT 2006 PICS ReStart Patrol

Sun Jun 25 18:04:27 GMT 2006 CHIP End Bias

Sun Jun 25 18:04:35 GMT 2006 CHIP ReStart Patrol

PSPT COMMENT: Sun Jun 25 18:33:47 GMT 2006

Obs.

____end____

SBM COMMENT: Sun Jun 25 18:33:52 GMT 2006

Obs, adjusted telescope to move sun lower on screen.

____end____

Sun Jun 25 18:36:03 GMT 2006 MKIV End Patrol

Sun Jun 25 18:36:08 GMT 2006 MKIV Start Cal

MKIV PROBLEM : Sun Jun 25 18:44:12 GMT 2006

Clicked on Stop for Tilt In on KCC GUI to get calibration to continue after stalling waiting for tiltplates to go in.

____end____

Sun Jun 25 18:55:59 GMT 2006 MKIV End Cal

Sun Jun 25 18:56:06 GMT 2006 MKIV Start Patrol

GONG PROBLEM : Sun Jun 25 20:25:02 GMT 2006

Going down to shelter to check why images aren't updating.

____end____

GONG PROBLEM : Sun Jun 25 20:43:06 GMT 2006

Back from shelter, only had to cycle Data and Instrument chassis power.

____end____

WEATHER COMMENT: Sun Jun 25 21:18:27 GMT 2006

Cirrus passing over.

____end____

MKIV COMMENT: Sun Jun 25 21:51:01 GMT 2006

Paused due to clouds.

____end____

Sun Jun 25 21:53:27 GMT 2006 MKIV End Patrol
Sun Jun 25 22:58:43 GMT 2006 CHIP End Patrol

WEATHER COMMENT: Sun Jun 25 22:58:30 GMT 2006

Clouds are getting thicker, air is hazy, spar not tracking, pausing instruments.
____end____

Sun Jun 25 22:59:12 GMT 2006 PICS End Patrol

NICE MK4 IMAGE: 1719

NICE CHIP IMAGE: 1828

NICE PICSLIMB IMAGE: 1926

NICE PICSDISC IMAGE: 1754

MKIV PROBLEM Mon Jun 26 01:38:21 GMT 2006

I fixed the tiltplate problems. Both plate holders could slip on their axles so I tightened the setscrews after aligning the plates to the IN stop, then I put some loctite on the setscrews. The IN limit switch is relatively sticky due to it's design (it's a metal shaft that slides up and down against a switch), so I lightly lubed the metal shaft. The clutch was too loose so there wasn't enough torque getting through to the end of the upper tiltplate to activate the switch, I tightened the clutch by loosening the setscrew then rotated the clutch plate a little then tightened the tiny setscrew again - be careful with that or it will get stripped and you'll have to pull the entire tiltplate assembly to fix it. I recommend replacing that setscrew with a good capscrew if there is enough time the next time we have to adjust that clutch - years from now probably. The tiltplates are in that enlarged diameter section of the telescope down near the rotating barrel, there are angle marks on the section. To do this job safely you need to remove the small sections of tube just above and just below the tiltplate section, 2 screws in the top section, 1 screw in the bottom section then the lower part of that section screws up into the upper half to give enough clearance to remove that section. Put paper towels or something similar over the open tube below the tiltplates to keep dust and other things from falling into the lower telescope.

____end____

WEATHER COMMENT: Mon Jun 26 01:59:22 GMT 2006

Still have thick cloud cover with a little fog.

____end____

Mon Jun 26 02:10:48 GMT 2006

MkIV

16_49.rawmk4	17_51.rawmk4	19_04.rawmk4	20_10.rawmk4	21_12.rawmk4
16_52.rawmk4	17_54.rawmk4	19_07.rawmk4	20_13.rawmk4	21_15.rawmk4
16_55.rawmk4	17_57.rawmk4	19_10.rawmk4	20_16.rawmk4	21_17.rawmk4
16_58.rawmk4	18_00.rawmk4	19_13.rawmk4	20_19.rawmk4	21_20.rawmk4
17_01.rawmk4	18_03.rawmk4	19_16.rawmk4	20_22.rawmk4	21_23.rawmk4
17_04.rawmk4	18_06.rawmk4	19_19.rawmk4	20_25.rawmk4	21_26.rawmk4
17_07.rawmk4	18_09.rawmk4	19_22.rawmk4	20_28.rawmk4	21_29.rawmk4
17_10.rawmk4	18_12.rawmk4	19_25.rawmk4	20_30.rawmk4	21_32.rawmk4
17_13.rawmk4	18_15.rawmk4	19_28.rawmk4	20_33.rawmk4	21_35.rawmk4
17_16.rawmk4	18_18.rawmk4	19_31.rawmk4	20_36.rawmk4	21_38.rawmk4

17_19.rawmk4	18_21.rawmk4	19_34.rawmk4	20_39.rawmk4	21_41.rawmk4
17_22.rawmk4	18_24.rawmk4	19_37.rawmk4	20_42.rawmk4	21_44.rawmk4
17_25.rawmk4	18_26.rawmk4	19_40.rawmk4	20_45.rawmk4	21_47.rawmk4
17_28.rawmk4	18_29.rawmk4	19_46.rawmk4	20_48.rawmk4	21_50.rawmk4
17_31.rawmk4	18_32.rawmk4	19_49.rawmk4	20_51.rawmk4	c18_36.rawmk4
17_34.rawmk4	18_39.rawmk4	19_52.rawmk4	20_54.rawmk4	c18_42.rawmk4
17_37.rawmk4	18_46.rawmk4	19_55.rawmk4	20_57.rawmk4	c18_49.rawmk4
17_39.rawmk4	18_52.rawmk4	19_58.rawmk4	21_00.rawmk4	
17_42.rawmk4	18_56.rawmk4	20_01.rawmk4	21_03.rawmk4	
17_45.rawmk4	18_59.rawmk4	20_04.rawmk4	21_06.rawmk4	
17_48.rawmk4	19_02.rawmk4	20_07.rawmk4	21_09.rawmk4	