
Mauna Loa Solar Observatory Observer's Log

Sun Sep 26 16:56:54 GMT 1999

Year: 99 Doy: 269

Observer: koon

Sun Sep 26 16:56:52 GMT 1999 CHIP Startup--Initializing new tape

WEATHER COMMENT: Sun Sep 26 16:57:04 GMT 1999

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

Sun Sep 26 16:57:27 GMT 1999 PICS Start Patrol

Sun Sep 26 17:00:03 GMT 1999 MKIV Start Patrol

Sun Sep 26 17:00:59 GMT 1999 CHIP Bias

Sun Sep 26 17:01:49 GMT 1999 CHIP End Bias

Sun Sep 26 17:01:57 GMT 1999 CHIP Water

Sun Sep 26 17:02:32 GMT 1999 CHIP End Water

Sun Sep 26 18:01:29 GMT 1999 PICS Flat

Sun Sep 26 18:02:48 GMT 1999 CHIP Bias

Sun Sep 26 18:03:44 GMT 1999 CHIP End Bias

Sun Sep 26 18:04:05 GMT 1999 PICS End Flat

Sun Sep 26 18:04:05 GMT 1999 PICS End Flat

Sun Sep 26 18:04:47 GMT 1999 CHIP End Water

MKIV PROBLEM Sun Sep 26 18:40:29 GMT 1999

The animated images look strange, the corona looks dark and featureless, and there are short radial spikes near the limb. But the real time scans look normal.

Sun Sep 26 18:44:32 GMT 1999 MKIV Start Cal

Sun Sep 26 19:02:28 GMT 1999 PICS polarization_calibration

Sun Sep 26 19:02:53 GMT 1999 CHIP Bias

Sun Sep 26 19:03:53 GMT 1999 CHIP End Bias

Sun Sep 26 19:04:06 GMT 1999 CHIP Water

Sun Sep 26 19:04:52 GMT 1999 CHIP End Water

Sun Sep 26 19:06:15 GMT 1999 MKIV Start Patrol

WEATHER COMMENT: Sun Sep 26 19:14:32 GMT 1999

Orographic clouds are starting to pass over.

PSPT PROBLEM Sun Sep 26 19:28:32 GMT 1999

Guider couldn't lock onto the sun with this last sequence, probably due to clouds at one point, for some reason this instrument has never been able to lock onto the sun after clouds clear if it tried to while the clouds were there. I exited and tried Restart.

PSPT PROBLEM Sun Sep 26 19:40:19 GMT 1999

Restart didn't work, tried Run, still waiting for a response. Something has changed in the programs, I can see the Obs menu for exiting and other options scroll by on the screen when I try Restart, but it doesn't need to and won't stop to let us enter an option anyway. The first Run didn't work, it didn't get past the "taking three exposures" point, I stopped it before it does its normal thing of trying 128 times and giving up. Then I tried Run again.

PSPT PROBLEM Sun Sep 26 19:53:52 GMT 1999

OK, that last Run seems to have worked, it is pointing again, just in time for a new batch of orographic clouds. If it runs into guiding problems again I'll have to try to close down for the day until I can find more time to look into that problem.

PSPT COMMENT: Sun Sep 26 19:56:10 GMT 1999

On the good news side, I haven't noticed any unfocused images since Randy's software changes involving giving the telescope more time to lock on the sun before taking images, so hopefully that problem has been reduced or eliminated.

Sun Sep 26 20:02:47 GMT 1999	CHIP	Gain
Sun Sep 26 20:07:23 GMT 1999	CHIP	End Gain
Sun Sep 26 20:07:33 GMT 1999	CHIP	Bias
Sun Sep 26 20:08:20 GMT 1999	CHIP	End Bias
Sun Sep 26 20:08:32 GMT 1999	CHIP	Water
Sun Sep 26 20:09:14 GMT 1999	CHIP	End Water

PSPT PROBLEM Sun Sep 26 20:14:49 GMT 1999

Was pointed to inside of dome yet the active mirror LED (green) was lit indicating it was locked on the sun, and the program thought it was too because it kept taking images. I opened the cover and there wasn't any sun on the beam splitter or either mirror, which makes sense. I manually pointed to the sun and the program eventually started displaying images of the sun.

COMMENT: Sun Sep 26 20:37:28 GMT 1999

Extended the dome slot.

WEATHER COMMENT: Sun Sep 26 20:37:37 GMT 1999

Orographic clouds are collecting.

Sun Sep 26 20:48:33 GMT 1999	PICS	End Patrol
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COMMENT: Sun Sep 26 20:48:56 GMT 1999

Pausing instruments due to clouds.

Sun Sep 26 20:50:55 GMT 1999	MKIV	End Patrol
Sun Sep 26 20:51:51 GMT 1999	CHIP	CHIP End Patrol
Sun Sep 26 21:45:44 GMT 1999	CHIP	ending tape

WEATHER COMMENT: Sun Sep 26 21:45:55 GMT 1999

Clouds are still very thick, closing down.

COMMENT: Sun Sep 26 22:30:48 GMT 1999

TAPES:

MKIV: 99268

CHIP: C00933

PICS: P01558

LOWL: L00629 in drive #0

Sun Sep 26 22:31:38 GMT 1999

MkIII

17_00.rawmk3 17_48.rawmk3 18_37.rawmk3 19_37.rawmk3 20_26.rawmk3

17_03.rawmk3	17_52.rawmk3	18_41.rawmk3	19_41.rawmk3	20_30.rawmk3
17_07.rawmk3	17_55.rawmk3	18_48.rawmk3	19_44.rawmk3	20_33.rawmk3
17_10.rawmk3	17_59.rawmk3	18_55.rawmk3	19_48.rawmk3	20_37.rawmk3
17_13.rawmk3	18_02.rawmk3	19_02.rawmk3	19_51.rawmk3	20_40.rawmk3
17_17.rawmk3	18_06.rawmk3	19_06.rawmk3	19_55.rawmk3	20_44.rawmk3
17_20.rawmk3	18_09.rawmk3	19_09.rawmk3	19_58.rawmk3	20_47.rawmk3
17_24.rawmk3	18_13.rawmk3	19_13.rawmk3	20_02.rawmk3	c18_44.rawmk3
17_27.rawmk3	18_16.rawmk3	19_16.rawmk3	20_05.rawmk3	c18_51.rawmk3
17_31.rawmk3	18_20.rawmk3	19_20.rawmk3	20_09.rawmk3	c18_59.rawmk3
17_34.rawmk3	18_23.rawmk3	19_23.rawmk3	20_12.rawmk3	
17_38.rawmk3	18_27.rawmk3	19_27.rawmk3	20_16.rawmk3	
17_41.rawmk3	18_30.rawmk3	19_30.rawmk3	20_19.rawmk3	
17_45.rawmk3	18_34.rawmk3	19_34.rawmk3	20_23.rawmk3	