
Mauna Loa Solar Observatory Observer's Log

Sat Jul 25 16:59:50 GMT 1998

Year: 98 Doy: 206

Observer: koon

WEATHER COMMENT: Sat Jul 25 16:59:52 GMT 1998

Clear sky, wind=5 mph from the SE, temp=50 F.

MLSO PROBLEM : Sat Jul 25 17:05:31 GMT 1998

Network is down again, this is becoming the norm. I think the problem is somewhere in Hawaii this time, maybe at UH Manoa, stall is happening after the hop from the mountain.

Sat Jul 25 17:11:37 GMT 1998 CHIP Startup--Initializing new tape

Sat Jul 25 17:11:55 GMT 1998 PICS Start Patrol

Sat Jul 25 17:12:10 GMT 1998 CHIP CHIP Start Patrol

MLSO PROBLEM : Sat Jul 25 17:25:47 GMT 1998

I was able to login at Boulder using the modem, but it wasn't working very well, had lots of strange messages and it seemed very sluggish. Anyway, I was able to limp through and read my mail.

MKIII PROBLEM : Sat Jul 25 17:27:25 GMT 1998

I'm glad to hear that the cleaning helped. I still see opposing dark areas though they are rotated CCW from the last time I saw them two days ago, and they seem to be less dark. But they are there and now they are in the NNE and SSW. So the dark area that was in the NNW looks like it brightened up a little and moved to the NNE. The area in the SSW is apparently still there, although it may be a little brighter. Later I'll R+R the O1 and clean it more thoroughly, hopefully that will help.

Sat Jul 25 18:00:51 GMT 1998 CHIP Bias

Sat Jul 25 18:01:46 GMT 1998 CHIP End Bias

Sat Jul 25 18:01:46 GMT 1998 CHIP End Bias

Sat Jul 25 18:02:03 GMT 1998 CHIP Water

Sat Jul 25 18:02:45 GMT 1998 CHIP End Water

Sat Jul 25 18:03:16 GMT 1998 PICS End Flat

Sat Jul 25 19:01:43 GMT 1998 PICS Flat

Sat Jul 25 19:02:58 GMT 1998 CHIP Bias

Sat Jul 25 19:03:08 GMT 1998 PICS End Flat

Sat Jul 25 19:04:00 GMT 1998 CHIP End Bias

Sat Jul 25 19:04:11 GMT 1998 CHIP Water

Sat Jul 25 19:04:51 GMT 1998 CHIP End Water

Sat Jul 25 20:01:35 GMT 1998 PICS Flat

Sat Jul 25 20:03:01 GMT 1998 PICS End Flat

Sat Jul 25 20:03:01 GMT 1998 PICS End Flat

Sat Jul 25 20:07:48 GMT 1998 CHIP End Gain

Sat Jul 25 20:07:58 GMT 1998 CHIP Bias

Sat Jul 25 20:08:53 GMT 1998 CHIP End Bias

Sat Jul 25 20:09:05 GMT 1998 CHIP Water

Sat Jul 25 20:09:40 GMT 1998 CHIP End Water

COMMENT: Sat Jul 25 20:14:03 GMT 1998

Extended the dome slot.

****MKIII PROBLEM****: Sat Jul 25 20:16:54 GMT 1998

I'm trying some tests dealing with the problem we've been having with the dark regions in the scans. Right now the spar is pointed off the sun so I can see what kind of scattered light is coming off the O1 and possibly the polarization of the scattered light in the sky. It looks like the NNE and SSW have extra intensity and the regions in the WNW and ESE have low intensity (like the regions I noticed at closedown on Thursday that were aligned with where the regular scans also looked dark).

COMMENT: Sat Jul 25 20:25:46 GMT 1998

OK, spar is tracking again.

****MKIII PROBLEM****: Sat Jul 25 20:36:51 GMT 1998

I just tilted the O1 in the opposite direction from the tilt I tried on Thursday. Like the other tilt test I don't see any change in the reflection I found on the occulting focus plane, it must be coming from something other than the O1, but it may not be big problem anyway. Scan at 2040 ut show that the dark regions appear to be in the same places as before are weren't affected by the O1 tilt.

****MKIII PROBLEM****: Sat Jul 25 20:46:38 GMT 1998

OK, I'm going to pause the scans soon and remove the O1 for a good cleaning.

Sat Jul 25 21:01:41 GMT 1998	PICS	Flat
Sat Jul 25 21:01:52 GMT 1998	CHIP	Bias
Sat Jul 25 21:02:47 GMT 1998	CHIP	End Bias
Sat Jul 25 21:02:57 GMT 1998	CHIP	Water
Sat Jul 25 21:03:08 GMT 1998	PICS	End Flat
Sat Jul 25 21:03:41 GMT 1998	CHIP	End Water

WEATHER COMMENT: Sat Jul 25 21:32:58 GMT 1998

Orographic clouds are moving in.

Sat Jul 25 22:01:18 GMT 1998	CHIP	Bias
Sat Jul 25 22:01:51 GMT 1998	PICS	Flat
Sat Jul 25 22:02:24 GMT 1998	CHIP	End Bias
Sat Jul 25 22:02:34 GMT 1998	CHIP	Water
Sat Jul 25 22:03:20 GMT 1998	CHIP	End Water
Sat Jul 25 22:03:30 GMT 1998	PICS	End Flat

****MKIII PROBLEM****: Sat Jul 25 22:04:48 GMT 1998

OK, I finished cleaning the O1 and installed it. But the clouds have ruined my attempt to get data before and after the cleaning. The Nitrogen filter I added to the cleaning system helps immensely, now I don't have to redo the entire cleaning process because of oil spraying out on the lens from the supposedly oil-free tank.

ICS End Patrol

Sat Jul 25 22:09:20 GMT 1998	CHIP	CHIP End Patrol
Sat Jul 25 22:10:42 GMT 1998	CHIP	ending tape

****PSPT PROBLEM****: Sat Jul 25 22:16:26 GMT 1998

Program crashed while trying to start up the last image sequence, around 2100 ut. Segmentation Fault was one of the messages, may have been due to clouds.

COMMENT: Sat Jul 25 22:28:46 GMT 1998

TAPES:

PICS: P01252

CHIP: C00647

LOWL: L00534 in Drive #0

Sat Jul 25 22:30:22 GMT 1998

MkIII

17_11.rawmk3	17_55.rawmk3	18_39.rawmk3	19_29.rawmk3	20_16.rawmk3
17_14.rawmk3	17_58.rawmk3	18_42.rawmk3	19_35.rawmk3	20_19.rawmk3
17_17.rawmk3	18_01.rawmk3	18_45.rawmk3	19_38.rawmk3	20_22.rawmk3
17_20.rawmk3	18_04.rawmk3	18_48.rawmk3	19_41.rawmk3	20_25.rawmk3
17_23.rawmk3	18_07.rawmk3	18_51.rawmk3	19_44.rawmk3	20_28.rawmk3
17_26.rawmk3	18_10.rawmk3	18_54.rawmk3	19_47.rawmk3	20_31.rawmk3
17_29.rawmk3	18_13.rawmk3	18_57.rawmk3	19_50.rawmk3	20_34.rawmk3
17_32.rawmk3	18_16.rawmk3	19_00.rawmk3	19_53.rawmk3	20_37.rawmk3
17_35.rawmk3	18_19.rawmk3	19_02.rawmk3	19_56.rawmk3	20_40.rawmk3
17_38.rawmk3	18_22.rawmk3	19_05.rawmk3	19_59.rawmk3	20_43.rawmk3
17_41.rawmk3	18_24.rawmk3	19_08.rawmk3	20_02.rawmk3	20_46.rawmk3
17_44.rawmk3	18_27.rawmk3	19_11.rawmk3	20_05.rawmk3	c19_20.rawmk3
17_47.rawmk3	18_30.rawmk3	19_14.rawmk3	20_08.rawmk3	c19_26.rawmk3
17_49.rawmk3	18_33.rawmk3	19_17.rawmk3	20_11.rawmk3	c19_32.rawmk3
17_52.rawmk3	18_36.rawmk3	19_23.rawmk3	20_14.rawmk3	