
Mauna Loa Solar Observatory Observer's Log

Thu Nov 12 16:52:27 GMT 1998

Year: 98 Doy: 316

Observer: koon

WEATHER COMMENT: Thu Nov 12 16:52:42 GMT 1998

Mostly clear sky with some passing cirrus and altocumulus, wind=10 mph from the SW, temp=44 F.

MKIII Start Patrol

Thu Nov 12 16:57:27 GMT 1998 CHIP CHIP Start Patrol

Thu Nov 12 16:57:27 GMT 1998 CHIP CHIP Start Patrol

Thu Nov 12 17:01:02 GMT 1998 CHIP Bias

Thu Nov 12 17:01:25 GMT 1998 PICS Flat

PICS PROBLEM: Thu Nov 12 17:01:33 GMT 1998

No more camera problem, the power supply was replaced yesterday and the images look fine today. I couldn't check images yesterday due to clouds.

HIP Water

Thu Nov 12 17:02:35 GMT 1998 CHIP End Water

Thu Nov 12 17:02:49 GMT 1998 PICS End Flat

MLSO PROBLEM: Thu Nov 12 17:06:21 GMT 1998

Network is down, can't reach anywhere outside the mountaintop.

COMMENT: Thu Nov 12 17:19:03 GMT 1998

Spar was a little top heavy in RA, I removed a small weight from the back and a larger weight from the front.

LOW-L PROBLEM: Thu Nov 12 17:46:15 GMT 1998

Program showed that time was 1 hour ahead, no images on screen, instrument was pointing ahead. Stopped observations, removed L00555 from drive #1 and installed L00557. Probably no data on L00555 since it was started yesterday when the weather was cloudy, will mail tape anyway. Cycled power to the PC, the program came up with the correct time and images were on the screen as usual.

Thu Nov 12 18:00:46 GMT 1998 CHIP Bias

Thu Nov 12 18:01:33 GMT 1998 PICS Flat

Thu Nov 12 18:01:44 GMT 1998 CHIP End Bias

Thu Nov 12 18:02:08 GMT 1998 CHIP Water

Thu Nov 12 18:02:55 GMT 1998 CHIP End Water

Thu Nov 12 18:03:06 GMT 1998 PICS End Flat

MLSO PROBLEM: Thu Nov 12 18:12:25 GMT 1998

Network is still down, I had to use the modem to check my mail.

Thu Nov 12 18:27:46 GMT 1998 MKIII Start Cal

Thu Nov 12 18:47:59 GMT 1998 MKIII End Cal

Thu Nov 12 18:51:40 GMT 1998 MKIII Start Correct

Thu Nov 12 18:53:21 GMT 1998 MKIII End Correct

Thu Nov 12 18:55:13 GMT 1998 MKIII Start Cal

Thu Nov 12 19:00:53 GMT 1998 CHIP Bias

Thu Nov 12 19:01:33 GMT 1998 PICS Flat

Thu Nov 12 19:01:53 GMT 1998 CHIP End Bias

Thu Nov 12 19:02:09 GMT 1998 CHIP Water
Thu Nov 12 19:03:00 GMT 1998 CHIP End Water
Thu Nov 12 19:03:15 GMT 1998 PICS End Flat
Thu Nov 12 19:15:16 GMT 1998 MKIII End Cal
Thu Nov 12 19:17:29 GMT 1998 MKIII Start Patrol

MKIV COMMENT: Thu Nov 12 19:22:27 GMT 1998

Did a cal then a Correct, then another cal.

Thu Nov 12 20:00:48 GMT 1998 CHIP Gain
Thu Nov 12 20:01:38 GMT 1998 PICS Flat
Thu Nov 12 20:03:06 GMT 1998 PICS End Flat
Thu Nov 12 20:05:55 GMT 1998 CHIP End Gain
Thu Nov 12 20:06:11 GMT 1998 CHIP Bias
Thu Nov 12 20:07:09 GMT 1998 CHIP End Bias
Thu Nov 12 20:07:19 GMT 1998 CHIP Water
Thu Nov 12 20:07:59 GMT 1998 CHIP End Water
Thu Nov 12 20:10:28 GMT 1998 PICS End Patrol

PICS COMMENT: Thu Nov 12 20:23:44 GMT 1998

I changed the occulting disk to 1991 arcseconds diameter.

****CHIP PROBLEM****: Thu Nov 12 20:28:28 GMT 1998

The image was off the right side of the display screen. I checked the 01 x-axis position, it was around -5000, so I manually moved it to around 7200 and put the Mike Controller back into Remote mode.

Thu Nov 12 20:32:10 GMT 1998 PICS Start Patrol

WEATHER COMMENT: Thu Nov 12 20:39:44 GMT 1998

Occasionally cirrus wisps are passing over.

PSPT COMMENT: Thu Nov 12 20:40:43 GMT 1998

Dome has worked well all morning without any runaways or relay chatter, that new direction relay seems to have solved those problems.

****MLSO PROBLEM****: Thu Nov 12 20:44:54 GMT 1998

OK we have the network connection back up and running.

****PICS PROBLEM****: Thu Nov 12 20:48:46 GMT 1998

The focus of the disk images is worse than it was before it was adjusted by Kim and David, I'm not sure about the limb images - they look pretty good but it may be possible to improve them. Focusing is needed.

Thu Nov 12 21:00:33 GMT 1998 PICS Flat
Thu Nov 12 21:02:12 GMT 1998 PICS End Flat
Thu Nov 12 21:02:50 GMT 1998 CHIP Bias
Thu Nov 12 21:03:53 GMT 1998 CHIP End Bias
Thu Nov 12 21:04:13 GMT 1998 CHIP Water
Thu Nov 12 21:04:59 GMT 1998 CHIP End Water

MKIV COMMENT: Thu Nov 12 21:17:04 GMT 1998

I put a blank data tape into the Nahenahe drive.

****PSPT PROBLEM****: Thu Nov 12 21:22:59 GMT 1998

The old "check sky conditions" message was repeatedly scrolling by on the screen, QSUM=0 (no sunlight), telescope appeared to be pointing directly at the sun, dust cap was open. Clouds may have passed by to cause the initial problem but it wouldn't reacquire the sun when the sky was clear. Haosheng, nice try but I guess your modification doesn't point

the telescope close enough to the sun after clouds to allow the guider to lock on the sun. I exited IDL and tried Restart but that just gave the same symptoms with QSUM=0. I closed the dust cap from the PC and then used Run, but it stalled trying to take the 3 test exposures (timeout counter). So I exited IDL again and tried Run again, this time it worked for a while but got stalled initializing the Focus, it couldn't clear the event and move on. I tried a Restart and the telescope started running away pointing to the West. I cycled the PC power to get the runaway to stop, then tried Run again.

PSPT PROBLEM : Thu Nov 12 22:00:32 GMT 1998

After the last try at Run the program got stalled with timeout counting like before. So I stopped for the day since orographic clouds started moving in. I had to use Obs to get to a point where I could exit, when I exited the program tried to point the telescope more to the West and hit the limit. I had to loosen the RA clutch and hand point the telescope near the stow position.

04:53 GMT 1998 CHIP End Water

Thu Nov 12 22:05:18 GMT 1998 MKIII End Patrol

WEATHER COMMENT: Thu Nov 12 22:05:41 GMT 1998

Thick orographic clouds have moved over, stopping observations.

COMMENT: Thu Nov 12 22:11:10 GMT 1998

Spar balance seemed OK, no tracking losses since the adjustment this morning. Will fine tune as time allows, need to get the GSA car in for service this afternoon.

Thu Nov 12 22:20:52 GMT 1998 CHIP CHIP End Patrol

Thu Nov 12 22:21:28 GMT 1998 CHIP CHIP Start Patrol

Thu Nov 12 22:21:50 GMT 1998 CHIP ending tape

CHIP PROBLEM : Thu Nov 12 22:22:08 GMT 1998

It won't exit, I must have clicked on End before 10 minutes after the top of the hour, if you do that it seems to lose its mind. I tried bringing up another Patrol and exiting again because that has worked for this problem in the past, it didn't work this time. I clicked on End Tape and then used Kill after the tape popped out.

COMMENT: Thu Nov 12 22:26:58 GMT 1998

TAPES:

MKIV: 98316

PICS: P01335

CHIP: C00722

LOWL: L00556 in drive #0

Thu Nov 12 22:27:58 GMT 1998

MkIII

16_57.rawmk3	17_58.rawmk3	19_30.rawmk3	20_31.rawmk3	21_33.rawmk3
17_00.rawmk3	18_02.rawmk3	19_33.rawmk3	20_35.rawmk3	21_36.rawmk3
17_04.rawmk3	18_05.rawmk3	19_36.rawmk3	20_38.rawmk3	21_39.rawmk3

17_07.rawmk3	18_08.rawmk3	19_40.rawmk3	20_41.rawmk3	21_42.rawmk3
17_10.rawmk3	18_11.rawmk3	19_43.rawmk3	20_44.rawmk3	21_46.rawmk3
17_13.rawmk3	18_15.rawmk3	19_46.rawmk3	20_48.rawmk3	21_49.rawmk3
17_16.rawmk3	18_18.rawmk3	19_49.rawmk3	20_51.rawmk3	21_52.rawmk3
17_20.rawmk3	18_21.rawmk3	19_53.rawmk3	20_54.rawmk3	21_55.rawmk3
17_23.rawmk3	18_24.rawmk3	19_56.rawmk3	20_57.rawmk3	21_58.rawmk3
17_26.rawmk3	18_31.rawmk3	19_59.rawmk3	21_00.rawmk3	22_02.rawmk3
17_29.rawmk3	18_37.rawmk3	20_02.rawmk3	21_04.rawmk3	c18_27.rawmk3
17_33.rawmk3	18_44.rawmk3	20_06.rawmk3	21_07.rawmk3	c18_34.rawmk3
17_36.rawmk3	18_58.rawmk3	20_09.rawmk3	21_10.rawmk3	c18_41.rawmk3
17_39.rawmk3	19_05.rawmk3	20_12.rawmk3	21_13.rawmk3	c18_55.rawmk3
17_42.rawmk3	19_12.rawmk3	20_15.rawmk3	21_17.rawmk3	c19_01.rawmk3
17_46.rawmk3	19_17.rawmk3	20_18.rawmk3	21_20.rawmk3	c19_08.rawmk3
17_49.rawmk3	19_20.rawmk3	20_22.rawmk3	21_23.rawmk3	
17_52.rawmk3	19_24.rawmk3	20_25.rawmk3	21_26.rawmk3	
17_55.rawmk3	19_27.rawmk3	20_28.rawmk3	21_29.rawmk3	