
Mauna Loa Solar Observatory Observer's Log

Mon May 11 16:33:58 GMT 1998

Year: 98 Doy: 131

Observer: yasukawa

WEATHER COMMENT: Mon May 11 16:34:23 GMT 1998

Cool, in moderately thick altocumulus, light south breeze.

Mon May 11 16:47:14 GMT 1998 CHIP Startup--Initializing new tape

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PICS COMMENT: Mon May 11 16:47:32 GMT 1998

Started video mode, occulted image clouded. Started Patrol to check disk image, but forgot to initialize (New Day) first. Aborted Patrol and restarting tape and Patrol with 'New Day'.

Mon May 11 16:50:02 GMT 1998 CHIP CHIP Start Patrol

Mon May 11 16:52:09 GMT 1998 PICS End Patrol

Mon May 11 16:59:23 GMT 1998 PICS Start Patrol

Mon May 11 17:02:13 GMT 1998 PICS Flat

Mon May 11 17:03:02 GMT 1998 CHIP Bias

Mon May 11 17:03:38 GMT 1998 PICS End Flat

Mon May 11 17:03:57 GMT 1998 CHIP End Bias

Mon May 11 17:04:04 GMT 1998 CHIP Water

Mon May 11 17:04:45 GMT 1998 CHIP End Water

COMMENT: Mon May 11 17:07:01 GMT 1998

Going down to GONG to do weekly PM while it is still cloudy.

Altocumulus is breaking up but there is still thinner cirrus above

COMMENT: Mon May 11 17:29:55 GMT 1998

Back from GONG.

WEATHER COMMENT: Mon May 11 17:30:08 GMT 1998

Cirrus and altocumulus has moved on. Clear.

Mon May 11 17:30:44 GMT 1998 MKIII Start Patrol

PSPT COMMENT: Mon May 11 17:46:14 GMT 1998

PSPT not working. Stalling in home guider mode. Axis 1 servo running away from home. Stopped program and exited. I could not detect that there were any motors running. PSPT chassis appears off, all leds are off, temp controller is off.

Mon May 11 18:02:03 GMT 1998 CHIP Bias

Mon May 11 18:02:16 GMT 1998 PICS Flat

Mon May 11 18:03:03 GMT 1998 CHIP End Bias

Mon May 11 18:03:16 GMT 1998 CHIP Water

PSPT COMMENT: Mon May 11 18:03:52 GMT 1998

Power supply to PSPT rack appears OK, I can open and close dust cap manually. Found fuse to PSPT temperature controller blown -- second time since the instrument was installed here. Replaced fuse, operating OK now. heating up to operating temp.

Mon May 11 18:13:00 GMT 1998 MKIII Start Cal

Mon May 11 18:38:03 GMT 1998 MKIII Start Patrol

MKIII COMMENT: Mon May 11 18:38:35 GMT 1998

Was going to run a series of height mask tests, but Haosheng finally called and is troubleshooting the PSPT, requiring my assistance from time to time.

I will wait until we are done with the PSPT problem so I won't be interrupted and lose MKIII data. Pulled opal out after scan started.

Mon May 11 19:02:11 GMT 1998 CHIP Bias
Mon May 11 19:02:28 GMT 1998 PICS Flat
Mon May 11 19:03:21 GMT 1998 CHIP End Bias
Mon May 11 19:03:30 GMT 1998 CHIP Water
Mon May 11 19:03:56 GMT 1998 PICS End Flat
Mon May 11 19:04:18 GMT 1998 CHIP End Water

COMMENT: Mon May 11 19:21:27 GMT 1998

Stopping to reconfigure dome shutter.

Mon May 11 19:21:43 GMT 1998 PICS End Patrol
Mon May 11 19:22:43 GMT 1998 CHIP CHIP End Patrol
Mon May 11 19:31:02 GMT 1998 MKIII Start Patrol

MKIII COMMENT: Mon May 11 19:31:25 GMT 1998

Put in height mask, taking two scan with opal in.

Mon May 11 19:31:28 GMT 1998 PICS Start Patrol

MKIII COMMENT: Mon May 11 19:41:03 GMT 1998

Height mask and opal taken out. Resuming Patrol.

Mon May 11 19:41:32 GMT 1998 MKIII Start Patrol

PSPT COMMENT: Mon May 11 19:45:37 GMT 1998

At first attempt, Haosheng could not move spar. I loosened the clutches and centered the spar-pointed it up, basically, and then retightened clutches.

After running a bunch of diagnostics from Sunspot, Haosheng got around a situation where the sun got close, but the dec quit running to close in on centering. He said he moved the guider servos a bit closer to the sun and the dec began working again. He logged out and I did a 'Restart' from here. We'll see how it goes today. Haosheng is unsure if we are by the problem so if it works today, we will still need to run it tomorrow before we consider this problem gone.

Mon May 11 20:00:20 GMT 1998 PICS Flat
Mon May 11 20:01:45 GMT 1998 PICS End Flat
Mon May 11 20:02:02 GMT 1998 CHIP Gain
Mon May 11 20:08:07 GMT 1998 CHIP End Gain
Mon May 11 20:08:21 GMT 1998 CHIP Bias
Mon May 11 20:09:19 GMT 1998 CHIP End Bias
Mon May 11 20:09:29 GMT 1998 CHIP Water
Mon May 11 20:10:09 GMT 1998 CHIP End Water

PSPT COMMENT: Mon May 11 20:30:53 GMT 1998

PSPT lost guiding at around 2000 UT. Halted execution.

PSPT COMMENT: Mon May 11 20:38:21 GMT 1998

Haosheng called and said he thinks he forgot to initialize the position once the guider locked on to the sun the first time today. That is probably why it lost the sun at the start of the next obs attempt.

Restarted Run.

PSPT COMMENT: Mon May 11 20:43:22 GMT 1998

Had to type 'exp' on PC to get the 'taking 3 exposures' step to execute.

Mon May 11 21:00:25 GMT 1998 PICS Flat
Mon May 11 21:01:56 GMT 1998 PICS End Flat
Mon May 11 21:02:02 GMT 1998 CHIP Bias
Mon May 11 21:03:06 GMT 1998 CHIP End Bias
Mon May 11 21:03:19 GMT 1998 CHIP Water
Mon May 11 21:04:13 GMT 1998 CHIP End Water

PSPT COMMENT: Mon May 11 21:07:06 GMT 1998

Stalled again trying to lock onto sun. Quit and exited IDL.

Haosheng is checking things out again.

WEATHER COMMENT: Mon May 11 21:46:59 GMT 1998

In orographic cloud.

PSPT COMMENT: Mon May 11 21:54:53 GMT 1998

Haosheng and I did not get PSPT working yet, still having problems with the dec drive (I think). we decided to continue troubleshooting this tomorrow.

PSPT COMMENT: Mon May 11 21:59:07 GMT 1998

Spar did not home during shutdown.

Mon May 11 22:01:24 GMT 1998 PICS Flat
Mon May 11 22:02:10 GMT 1998 CHIP Bias
Mon May 11 22:02:50 GMT 1998 PICS End Flat
Mon May 11 22:03:13 GMT 1998 CHIP End Bias
Mon May 11 22:03:23 GMT 1998 CHIP Water
Mon May 11 22:04:12 GMT 1998 CHIP End Water
Mon May 11 22:07:37 GMT 1998 CHIP CHIP End Patrol
Mon May 11 22:07:58 GMT 1998 PICS End Patrol
Mon May 11 22:09:05 GMT 1998 CHIP ending tape

COMMENT: Mon May 11 22:14:49 GMT 1998

Tapes:

MKIII: H01823

PICS: P01189

CHIP: C00579

LOWL: L00515

MKIII COMMENT: Mon May 11 22:16:19 GMT 1998

*** Recycled H01821 and H01822 ***

Mon May 11 22:17:04 GMT 1998

MkIII

17_30.rawmk3	18_41.rawmk3	19_44.rawmk3	20_37.rawmk3	21_29.rawmk3
17_33.rawmk3	18_43.rawmk3	19_47.rawmk3	20_40.rawmk3	21_32.rawmk3
17_36.rawmk3	18_46.rawmk3	19_50.rawmk3	20_42.rawmk3	21_35.rawmk3
17_39.rawmk3	18_49.rawmk3	19_53.rawmk3	20_45.rawmk3	21_38.rawmk3
17_42.rawmk3	18_52.rawmk3	19_56.rawmk3	20_48.rawmk3	21_41.rawmk3

17_45.rawmk3	18_55.rawmk3	19_59.rawmk3	20_51.rawmk3	21_44.rawmk3
17_48.rawmk3	18_58.rawmk3	20_02.rawmk3	20_54.rawmk3	21_47.rawmk3
17_51.rawmk3	19_01.rawmk3	20_05.rawmk3	20_57.rawmk3	21_50.rawmk3
17_54.rawmk3	19_04.rawmk3	20_07.rawmk3	21_00.rawmk3	21_53.rawmk3
17_57.rawmk3	19_07.rawmk3	20_10.rawmk3	21_03.rawmk3	21_56.rawmk3
18_00.rawmk3	19_10.rawmk3	20_13.rawmk3	21_06.rawmk3	21_58.rawmk3
18_03.rawmk3	19_13.rawmk3	20_16.rawmk3	21_09.rawmk3	22_01.rawmk3
18_06.rawmk3	19_16.rawmk3	20_19.rawmk3	21_12.rawmk3	22_04.rawmk3
18_09.rawmk3	19_19.rawmk3	20_22.rawmk3	21_15.rawmk3	c18_13.rawmk3
18_16.rawmk3	19_21.rawmk3	20_25.rawmk3	21_18.rawmk3	c18_19.rawmk3
18_22.rawmk3	19_31.rawmk3	20_28.rawmk3	21_20.rawmk3	c18_25.rawmk3
18_28.rawmk3	19_34.rawmk3	20_31.rawmk3	21_23.rawmk3	
18_38.rawmk3	19_41.rawmk3	20_34.rawmk3	21_26.rawmk3	