
Mauna Loa Solar Observatory Observer's Log

Tue Apr 21 16:27:30 GMT 1998

Year: 98 Doy: 111

Observer: yasukawa

WEATHER COMMENT: Tue Apr 21 16:30:57 GMT 1998

Cool, clear, brisk southwest wind.

Tue Apr 21 16:31:35 GMT 1998 CHIP Startup--Initializing new tape

COMMENT: Tue Apr 21 16:32:08 GMT 1998

Network down at HAO for testing gatekeeper. email in and out
unavailable for now.

Tue Apr 21 16:39:01 GMT 1998 CHIP CHIP Start Patrol

Tue Apr 21 16:39:23 GMT 1998 PICS Start Patrol

Tue Apr 21 16:41:34 GMT 1998 MKIII Start Patrol

LOW-L COMMENT: Tue Apr 21 16:51:27 GMT 1998

LOWL program must've crashed. File count reset sometime 4/19
early on. Reset again this morning. Program would not respond to 'q'
command to quit so I could reset the program and change tapes.
Ejecting L00508 manually and moving L00509 to drive 0. Loading
L00510 in drive 1 and rebooting PC.

Tue Apr 21 17:01:02 GMT 1998 CHIP Bias

Tue Apr 21 17:02:02 GMT 1998 CHIP End Bias

Tue Apr 21 17:02:16 GMT 1998 PICS Flat

Tue Apr 21 17:02:16 GMT 1998 PICS Flat

Tue Apr 21 17:03:09 GMT 1998 CHIP End Water

Tue Apr 21 17:03:52 GMT 1998 PICS End Flat

COMMENT: Tue Apr 21 17:29:29 GMT 1998

GONG tape failure--or duty responder is trying stuff over net.
Error flag set (RED). I was awaiting instructions on how to handle
the problem found yesterday, where the primary drive failed and data
was writing to secondary bank. Tape change did not fix problem.
Net down due to testing so I have not received response from
GONG.

PSPT COMMENT: Tue Apr 21 17:33:01 GMT 1998

PSPT failed to point correctly this morning. Light beam missed the
lens by around 1/3 diameter. Exited and tried Run again but this time
guider attempted to point farther and farther away from sun
on initialization. hot rebooted PC and exited program on Sparc.
exited (parked spar and dome) and trying Run again.

PSPT COMMENT: Tue Apr 21 17:54:57 GMT 1998

Sounds like there might be a mechanical failure in the dec drive.
Position again tried to go negative by a large amount -- kept running on
away from 'home' (50000). When I exited program, it tries to home again
to park position, running a long way back to 50000, but I can hear
something clunking softly inside the declination drive and the spar
is not moving.

PICS COMMENT: Tue Apr 21 17:59:03 GMT 1998

EPL at PA 285-305, RV 1.15 Ro.
Tue Apr 21 18:00:23 GMT 1998 PICS Flat
Tue Apr 21 18:01:03 GMT 1998 CHIP Bias
Tue Apr 21 18:01:55 GMT 1998 PICS End Flat
Tue Apr 21 18:02:21 GMT 1998 CHIP End Bias
Tue Apr 21 18:02:31 GMT 1998 CHIP Water
Tue Apr 21 18:03:17 GMT 1998 CHIP End Water
MKIII COMMENT: Tue Apr 21 18:08:03 GMT 1998
CME at PA 295-300. Started around 1746 UT
PICS COMMENT: Tue Apr 21 18:11:36 GMT 1998
rv now 1.2 Ro.

PSPT COMMENT: Tue Apr 21 18:18:39 GMT 1998
PSPT is probably messed up, 'stat mnt' should show RAP=100000
and DECp=50000. I reset the PC so it now shows both values=0
Haosheng did not tell us how to reset the correct values.
There is also no procedure documented to open the covers so
we can point the guider to the sun by looking at the beam on the
lens in the optics bay and do a 'gdr ephmcal' or some other
routine to put the correct values into the PC. I will not deal
with this now as there is an EPL and CME in progress.

MKIII COMMENT: Tue Apr 21 18:28:53 GMT 1998
H-alpha material visible, moving thru the corona.
MKIII COMMENT: Tue Apr 21 18:30:51 GMT 1998
RV now 1.4 Ro

PICS COMMENT: Tue Apr 21 18:45:02 GMT 1998
RV now 1.5 Ro
Tue Apr 21 19:01:09 GMT 1998 CHIP Bias
Tue Apr 21 19:01:23 GMT 1998 PICS Flat
Tue Apr 21 19:02:05 GMT 1998 CHIP End Bias
Tue Apr 21 19:02:20 GMT 1998 CHIP Water
Tue Apr 21 19:02:51 GMT 1998 PICS End Flat
Tue Apr 21 19:03:06 GMT 1998 CHIP End Water

MKIII COMMENT: Tue Apr 21 19:08:05 GMT 1998
Rats! Just got a 'wrote 0 records' error and tape stuck in Write
scenario. I will wait for the CME to finish before changing tape.
The data is going to disk anyway and do not want to interrupt.
PICS COMMENT: Tue Apr 21 19:33:23 GMT 1998
EPL completely faded now.

PSPT COMMENT: Tue Apr 21 19:47:23 GMT 1998
This time PSPT got past homing the guider. It may work this time.
Tue Apr 21 20:01:03 GMT 1998 CHIP Gain
Tue Apr 21 20:02:18 GMT 1998 PICS Flat
Tue Apr 21 20:03:46 GMT 1998 PICS End Flat

MKIII COMMENT: Tue Apr 21 20:04:06 GMT 1998
Looks like CME might be over. I will change tapes and reset KCC
when I reconfigure dome shutter when PICS and CHIP complete their
cals and uploads.

Tue Apr 21 20:07:04 GMT 1998 CHIP End Gain
Tue Apr 21 20:07:18 GMT 1998 CHIP Bias
Tue Apr 21 20:08:19 GMT 1998 CHIP End Bias
Tue Apr 21 20:08:28 GMT 1998 CHIP Water
Tue Apr 21 20:08:54 GMT 1998 PICS End Patrol
Tue Apr 21 20:09:11 GMT 1998 CHIP End Water
COMMENT: Tue Apr 21 20:09:46 GMT 1998
Stopping to reconfigure dome.
MKIII COMMENT: Tue Apr 21 20:15:04 GMT 1998
Ejected H01807. Loaded H01808. Resetting KCC.
Tue Apr 21 20:18:34 GMT 1998 CHIP CHIP End Patrol
Tue Apr 21 20:24:16 GMT 1998 MKIII Start Patrol
Tue Apr 21 20:24:21 GMT 1998 CHIP CHIP Start Patrol
Tue Apr 21 20:24:21 GMT 1998 CHIP CHIP Start Patrol
COMMENT: Tue Apr 21 20:28:30 GMT 1998
Tue Apr 21 20:31:21 GMT 1998 MKIII Start Cal
COMMENT: Tue Apr 21 20:35:22 GMT 1998
Going down to GONG to resolve the tape problem.
Tue Apr 21 21:01:02 GMT 1998 CHIP Bias
COMMENT: Tue Apr 21 21:01:22 GMT 1998
Back from GONG.
Tue Apr 21 21:02:02 GMT 1998 CHIP End Bias
Tue Apr 21 21:02:14 GMT 1998 CHIP Water
Tue Apr 21 21:02:23 GMT 1998 PICS Flat
Tue Apr 21 21:03:05 GMT 1998 CHIP End Water
Tue Apr 21 21:03:50 GMT 1998 PICS End Flat
MKIII COMMENT: Tue Apr 21 21:10:43 GMT 1998
Looks like dark scan got hosed with streaks. See how selecting Dark on vcp works.
MKIII COMMENT: Tue Apr 21 21:14:31 GMT 1998
Dark started OK. Queued up Patrol again.
MKIII COMMENT: Tue Apr 21 21:19:13 GMT 1998
Raw dark image looks OK, but xanim image looks worse than the cal dark.
Tue Apr 21 22:00:20 GMT 1998 PICS Flat
Tue Apr 21 22:01:04 GMT 1998 CHIP Bias
Tue Apr 21 22:01:51 GMT 1998 PICS End Flat
Tue Apr 21 22:02:08 GMT 1998 CHIP End Bias
Tue Apr 21 22:02:18 GMT 1998 CHIP Water
Tue Apr 21 22:03:07 GMT 1998 CHIP End Water
Tue Apr 21 22:06:40 GMT 1998 CHIP CHIP End Patrol
Tue Apr 21 22:07:06 GMT 1998 PICS End Patrol
Tue Apr 21 22:08:04 GMT 1998 CHIP ending tape
COMMENT: Tue Apr 21 22:08:23 GMT 1998
Activity report:

EPL at PA 285-305 to RV 1.5+ probably from startup at 1640 UT until around 1930 UT.

CME at PA 296-300, from 1746 UT to around 2000 UT.

COMMENT: Tue Apr 21 22:11:30 GMT 1998

Tapes:

MKIII: H01807, H01808

PICS: P01173

CHIP: C00563

LOWL: L00509

Tue Apr 21 22:13:50 GMT 1998

MkIII

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| 16_41.rawmk3 | 17_43.rawmk3 | 18_44.rawmk3 | 19_46.rawmk3 | 21_10.rawmk3 |
| 16_44.rawmk3 | 17_46.rawmk3 | 18_47.rawmk3 | 19_49.rawmk3 | 21_16.rawmk3 |
| 16_47.rawmk3 | 17_49.rawmk3 | 18_50.rawmk3 | 19_51.rawmk3 | 21_22.rawmk3 |
| 16_50.rawmk3 | 17_52.rawmk3 | 18_53.rawmk3 | 19_54.rawmk3 | 21_25.rawmk3 |
| 16_53.rawmk3 | 17_55.rawmk3 | 18_56.rawmk3 | 19_57.rawmk3 | 21_28.rawmk3 |
| 16_56.rawmk3 | 17_57.rawmk3 | 18_59.rawmk3 | 20_00.rawmk3 | 21_30.rawmk3 |
| 16_59.rawmk3 | 18_00.rawmk3 | 19_02.rawmk3 | 20_03.rawmk3 | 21_33.rawmk3 |
| 17_02.rawmk3 | 18_03.rawmk3 | 19_05.rawmk3 | 20_06.rawmk3 | 21_36.rawmk3 |
| 17_05.rawmk3 | 18_06.rawmk3 | 19_08.rawmk3 | 20_09.rawmk3 | 21_39.rawmk3 |
| 17_08.rawmk3 | 18_09.rawmk3 | 19_11.rawmk3 | 20_24.rawmk3 | 21_42.rawmk3 |
| 17_11.rawmk3 | 18_12.rawmk3 | 19_13.rawmk3 | 20_27.rawmk3 | 21_45.rawmk3 |
| 17_14.rawmk3 | 18_15.rawmk3 | 19_16.rawmk3 | 20_34.rawmk3 | 21_48.rawmk3 |
| 17_16.rawmk3 | 18_18.rawmk3 | 19_19.rawmk3 | 20_40.rawmk3 | 21_51.rawmk3 |
| 17_19.rawmk3 | 18_21.rawmk3 | 19_22.rawmk3 | 20_46.rawmk3 | 21_54.rawmk3 |
| 17_22.rawmk3 | 18_24.rawmk3 | 19_25.rawmk3 | 20_49.rawmk3 | 21_57.rawmk3 |
| 17_25.rawmk3 | 18_27.rawmk3 | 19_28.rawmk3 | 20_52.rawmk3 | 22_00.rawmk3 |
| 17_28.rawmk3 | 18_30.rawmk3 | 19_31.rawmk3 | 20_55.rawmk3 | 22_03.rawmk3 |
| 17_31.rawmk3 | 18_33.rawmk3 | 19_34.rawmk3 | 20_58.rawmk3 | c20_31.rawmk3 |
| 17_34.rawmk3 | 18_35.rawmk3 | 19_37.rawmk3 | 21_01.rawmk3 | c20_37.rawmk3 |
| 17_37.rawmk3 | 18_38.rawmk3 | 19_40.rawmk3 | 21_04.rawmk3 | c20_43.rawmk3 |
| 17_40.rawmk3 | 18_41.rawmk3 | 19_43.rawmk3 | 21_07.rawmk3 | c21_13.rawmk3 |