
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

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