
Mauna Loa Solar Observatory Observer's Log

Mon May 29 16:21:20 GMT 2000

Year: 00 Doy: 150

Observer: yasukawa

WEATHER COMMENT: Mon May 29 16:21:30 GMT 2000

Cool, clear, brisk southeast wind.

Mon May 29 16:22:51 GMT 2000 CHIP Startup--Initializing new tape

Mon May 29 16:27:46 GMT 2000 CHIP CHIP Start 7 Passband Patrol

Mon May 29 16:28:10 GMT 2000 PICS Start Patrol

Mon May 29 16:31:01 GMT 2000 MKIV Start Patrol

PICS PROBLEM Mon May 29 16:32:41 GMT 2000

Occulting wheel home status is flaky. Checking it out.

Mon May 29 16:45:37 GMT 2000 PICS End Patrol

PICS PROBLEM Mon May 29 16:46:03 GMT 2000

Stopping PICS. Repaired gearbox is a lot quieter but seems to be turning a lot slower than I recall. Patrol Optics status is timing out a lot and stopping at the wrong stations, occasionally stopping between stations. Checking out movement using handheld terminal upstairs.

Mon May 29 18:13:42 GMT 2000 PICS Start Patrol

PICS PROBLEM Mon May 29 18:14:43 GMT 2000

Fixed occulting wheel. There was too much grease in the gearbox. Motor was turning very slow, overloading supply. Wheel was timing out. Cleaned out some of the grease and thinned it a little with WD-40. Motor sped up significantly, power supply not strained, and mechanism drive no longer timing out.

Now having problem with the objective wheel not finding the correct position and timing out. Checking that out.

PICS PROBLEM Mon May 29 19:02:09 GMT 2000

Timing the objective wheel is proving to be very difficult due to locations of set screws.

MCC may need a reset, handheld terminal indicating that status may be aligned but the driver is still timing out.

WEATHER COMMENT: Mon May 29 19:05:04 GMT 2000

In cirrus.

Mon May 29 19:05:14 GMT 2000 CHIP CHIP End Patrol

Mon May 29 19:09:19 GMT 2000 PICS Start Patrol

PICS PROBLEM Mon May 29 19:10:02 GMT 2000

Now that objective wheel is aligned, it appears that the program wants to go to opal for clear aperture observations. The encoder must be aligned 180 degrees out of phase--maybe to make the setscrew more accessible--and the program has been modified to correct for the anomaly.

COMMENT: Mon May 29 19:27:04 GMT 2000

reconfiguring dome shutter.

Mon May 29 19:40:29 GMT 2000 PICS Start Patrol

Mon May 29 19:40:40 GMT 2000 CHIP CHIP Start 7 Passband Patrol
 PICS PROBLEM Mon May 29 19:40:59 GMT 2000
 OK, got by that confusion. Now PICS is working.
 Mon May 29 20:02:15 GMT 2000 CHIP Gain7
 Mon May 29 20:10:55 GMT 2000 CHIP End Gain
 Mon May 29 20:11:07 GMT 2000 CHIP Bias
 Mon May 29 20:12:08 GMT 2000 CHIP End Bias
 MKIV PROBLEM Mon May 29 20:25:05 GMT 2000
 Xanim not displaying proper gains. Stopping MKIV and resetting KCC.
 WEATHER COMMENT: Mon May 29 20:31:02 GMT 2000
 Cirrus clear for now.
 Mon May 29 20:31:37 GMT 2000 MKIV Start Patrol
 PICS PROBLEM Mon May 29 20:32:00 GMT 2000
 Occulting wheel motor sounds OK. I hear some clunking in the Geneva, still.
 GONG COMMENT: Mon May 29 20:33:03 GMT 2000
 Going down to GONG to do weekly preventive maintenance.
 GONG COMMENT: Mon May 29 20:54:49 GMT 2000
 Back from GONG
 WEATHER COMMENT: Mon May 29 21:41:43 GMT 2000
 In thin cirrus.
 Mon May 29 22:05:49 GMT 2000 PICS End Patrol
 COMMENT: Mon May 29 22:06:47 GMT 2000
 Tapes:
 MKIV: 00-150
 PICS: P01760
 CHIP: C01139
 LOWL: L00718 in drive #0
 End Patrol
 Mon May 29 22:08:29 GMT 2000 CHIP ending tape
 Mon May 29 22:09:42 GMT 2000
 MkIV

16_31.rawmk4	17_36.rawmk4	18_41.rawmk4	19_56.rawmk4	21_05.rawmk4
16_34.rawmk4	17_39.rawmk4	18_44.rawmk4	19_59.rawmk4	21_08.rawmk4
16_37.rawmk4	17_42.rawmk4	18_50.rawmk4	20_02.rawmk4	21_11.rawmk4
16_40.rawmk4	17_45.rawmk4	18_56.rawmk4	20_05.rawmk4	21_14.rawmk4
16_43.rawmk4	17_48.rawmk4	19_02.rawmk4	20_08.rawmk4	21_17.rawmk4
16_46.rawmk4	17_51.rawmk4	19_06.rawmk4	20_11.rawmk4	21_20.rawmk4
16_49.rawmk4	17_54.rawmk4	19_09.rawmk4	20_14.rawmk4	21_23.rawmk4
16_51.rawmk4	17_57.rawmk4	19_12.rawmk4	20_17.rawmk4	21_26.rawmk4
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17_06.rawmk4	18_11.rawmk4	19_26.rawmk4	20_35.rawmk4	21_41.rawmk4
17_09.rawmk4	18_14.rawmk4	19_29.rawmk4	20_38.rawmk4	21_44.rawmk4
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17_15.rawmk4	18_20.rawmk4	19_35.rawmk4	20_44.rawmk4	21_50.rawmk4

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17_21.rawmk4	18_26.rawmk4	19_41.rawmk4	20_50.rawmk4	21_55.rawmk4
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17_27.rawmk4	18_32.rawmk4	19_47.rawmk4	20_56.rawmk4	c18_47.rawmk4
17_30.rawmk4	18_35.rawmk4	19_50.rawmk4	20_59.rawmk4	c18_53.rawmk4
17_33.rawmk4	18_38.rawmk4	19_53.rawmk4	21_02.rawmk4	c18_59.rawmk4