

Mauna Loa Solar Observatory Observer's Log

Tue May 2 16:22:05 GMT 1995

Year: 95 Doy: 122

Observer: yasukawa console May 2 16:20

WEATHER COMMENT: Tue May 2 16:22:11 GMT 1995

Cold, in altocumulus, lee lenticular clouds and thin cirrus at this time, Strong southerly wind continues 30-40 mph, temp=44F.

LOW-L COMMENT: Tue May 2 16:24:31 GMT 1995

L00228 popped out, may attempt exposure tests if clouds persist beyond setup of MKIII and DPMON, otherwise loading L00230.

Tue May 2 16:33:37 GMT 1995: Patrol Start

LOW-L COMMENT: Tue May 2 16:41:36 GMT 1995

Covered Coelostat window with cardboard. Ejecting L00229 from unit 1 and loading it into unit 0 for linearity experiment.

LOW-L COMMENT: Tue May 2 16:58:55 GMT 1995

Ran a few exposures at default 10 until I got my bearings. Changed exposure to 30. Taking exposures.

Tue May 2 17:01:01 GMT 1995: Calibration

LOW-L COMMENT: Tue May 2 17:05:50 GMT 1995

changed exposure to 50.

LOW-L COMMENT: Tue May 2 17:07:13 GMT 1995

Changed exposure to 70.

LOW-L COMMENT: Tue May 2 17:09:30 GMT 1995

changed exposure to 90.

LOW-L COMMENT: Tue May 2 17:11:48 GMT 1995

Exposure changed to 110.

LOW-L COMMENT: Tue May 2 17:13:40 GMT 1995

Typing R during SYNC does not stop program anymore, trying Q.

LOW-L COMMENT: Tue May 2 17:15:36 GMT 1995

lll

Rebooting and starting over.

There must be a keyboard error that was preventing stopping test.

LOW-L COMMENT: Tue May 2 17:18:30 GMT 1995

Manually set exposure to 10 in case reboot did not reset to default.

L00229 rewound and restarted in unit 0.

LOW-L COMMENT: Tue May 2 17:28:00 GMT 1995

Starting test over, keyboard unresponsive when trying to enter 30.

If there are no problems, will just run a series of exposures

at 10, 30, 50, 70, etc. until saturation, without logging

changes.

WEATHER COMMENT: Tue May 2 17:45:19 GMT 1995

In orographic clouds. No shadows since sun climbed into lenticular early on.

LOW-L COMMENT: Tue May 2 17:49:54 GMT 1995

Ending test at exposure 250, taking scans at default 10.

Got the impression that test did not run as expected.

At typing R during sync, got message: " Enter ha move float"

typed in exposure value and a return, value echoed in message:,

then program continued. The frame grab interval did not seem

to change significantly throughout ranges 10-250, which I

thought they should. When I went back to 10, and tried to

halt with an R during sync later on to refresh my memory about

the message, program wouldn't respond to keyboard. Sending this

portion of log and tape to Tomczyk and Elmore for evaluation.

Aborting test. Removing cardboard cover from coelostat window.

Loading L00230 and L00231 into units 0 and 1, and restarting

LOWL observation program.

Tue May 2 18:00:58 GMT 1995: Calibration

COMMENT: Tue May 2 18:09:13 GMT 1995

Guiding was off sun. repointed. still in clouds, but not as thick.

Tue May 2 19:01:03 GMT 1995: Calibration

LOW-L COMMENT: Tue May 2 19:38:59 GMT 1995

David suggested that I use R instead of r for linearity test.

Redoing test. Covered window, reloaded L00229. Will run series

of exposures : 10, 30, 50, etc.

Tue May 2 20:01:30 GMT 1995: Calibration

COMMENT: Tue May 2 20:08:22 GMT 1995
Opened top of dome.

LOW-L COMMENT: Tue May 2 20:21:07 GMT 1995
Test would not take 110, would echo 10 and scan would look
like a 10 rate. skipped that step and went to 130.

LOW-L COMMENT: Tue May 2 20:42:40 GMT 1995
Didn't see much change after 150, went all the way to 210.
Repeated 110, program took it this time.
Will go on back to 10, then will increment 20, 40, 60, etc.

Tue May 2 21:01:02 GMT 1995: Calibration
Tue May 2 21:21:05 GMT 1995: Patrol End

COMMENT: Tue May 2 21:21:19 GMT 1995
Stopping observations, never got out of thin cirrus, in and out of
thick lenticular cloud and altostratus. Keeping DPMON tape
but recycling MKIII tape due to no good data all morning.

LOW-L COMMENT: Tue May 2 21:23:52 GMT 1995
Ran even increments to 200. Not much change after 120.
(even meaning 20 40 60 etc.)
Reset rate to 10. Will remove covers then stop tape then reload
L00230 and L00231 and restart observing program.

LOW-L COMMENT: Tue May 2 21:37:01 GMT 1995
LOWL program restarted.

COMMENT: Tue May 2 21:37:15 GMT 1995
Activity report:
QP: 44; 240-255; 275; 287-295; 308;
No worthwhile coronal data.

Tapes: MKIII: recycled
DPMON: P00346
LOWL: Starting L00230

Tue May 2 21:40:50 GMT 1995: Filemark