
Mauna Loa Solar Observatory Observer's Log

Fri Jan 30 17:40:09 GMT 1998

Year: 98 Doy: 030

Observer: yasukawa

WEATHER COMMENT: Fri Jan 30 17:40:44 GMT 1998

Cool, in thin cirrus, light southwest wind.

LOW-L COMMENT: Fri Jan 30 17:41:07 GMT 1998

L00493 was popped out this morning, cleaned drive as requested,
loaded L00495 into drive. Data writing to drive 1, L00494.

Fri Jan 30 17:46:08 GMT 1998 PICS Start Patrol

Fri Jan 30 17:48:08 GMT 1998 CHIP Startup--Initializing new tape

Fri Jan 30 17:50:02 GMT 1998 CHIP CHIP Start Patrol

MKIII COMMENT: Fri Jan 30 17:50:40 GMT 1998

Standing by until cirrus thins out.

PSPT COMMENT: Fri Jan 30 17:50:59 GMT 1998

Standing by until cirrus thins out.

Fri Jan 30 18:00:14 GMT 1998 PICS Flat

Fri Jan 30 18:01:40 GMT 1998 PICS End Flat

Fri Jan 30 18:03:04 GMT 1998 CHIP Bias

Fri Jan 30 18:04:02 GMT 1998 CHIP End Bias

Fri Jan 30 18:04:10 GMT 1998 CHIP Water

Fri Jan 30 18:04:48 GMT 1998 CHIP End Water

Fri Jan 30 18:08:14 GMT 1998 MKIII Start Patrol

MKIII COMMENT: Fri Jan 30 18:08:24 GMT 1998

Starting in thin cirrus.

PSPT COMMENT: Fri Jan 30 18:08:39 GMT 1998

Starting in thin cirrus.

Fri Jan 30 19:00:15 GMT 1998 PICS Flat

Fri Jan 30 19:01:41 GMT 1998 PICS End Flat

Fri Jan 30 19:02:09 GMT 1998 CHIP Bias

Fri Jan 30 19:03:20 GMT 1998 CHIP End Bias

Fri Jan 30 19:03:30 GMT 1998 CHIP Water

Fri Jan 30 19:04:15 GMT 1998 CHIP End Water

MKIII COMMENT: Fri Jan 30 19:23:51 GMT 1998

Dark shutter was definitely not all the way in during dark scan. It was
open about 1/2-3/4 inch. May need to increase run time for command.

Tried pushing it out and it did slip, but slip was nominally 'tight'.

I didn't think it was loose enough to slip on its own during movement
but it is probably enough to not strip the motor when shutter hit

the limit switch. It may eventually break the limit switches and

so a decision should be made about the future use of these switches.

It'd be better to use the switches as we did before computer control,

I'm not sure why they are not currently used. This would solve the light

leak problem--to have the shutter operate until the limit switch

sends a status bit. If the switches cannot be used any more, then we should

consider removing them and installing a hard stop, or padded bumper

in the switch's place.

| | | |
|------------------------------|-------|--------------|
| Fri Jan 30 19:31:33 GMT 1998 | MKIII | Start Patrol |
| Fri Jan 30 20:00:21 GMT 1998 | PICS | Flat |
| Fri Jan 30 20:01:55 GMT 1998 | PICS | End Flat |
| Fri Jan 30 20:02:08 GMT 1998 | CHIP | Gain |
| Fri Jan 30 20:08:05 GMT 1998 | CHIP | End Gain |
| Fri Jan 30 20:08:15 GMT 1998 | CHIP | Bias |
| Fri Jan 30 20:09:09 GMT 1998 | CHIP | End Bias |
| Fri Jan 30 20:09:19 GMT 1998 | CHIP | Water |
| Fri Jan 30 20:10:02 GMT 1998 | CHIP | End Water |

COMMENT: Fri Jan 30 20:41:22 GMT 1998

Noticed thumbnail signature of poor guiding. Adjusted spar guider.

WEATHER COMMENT: Fri Jan 30 20:42:01 GMT 1998

Sky is still bright near sun--thin cirrus.

| | | |
|------------------------------|------|-----------|
| Fri Jan 30 21:01:16 GMT 1998 | PICS | Flat |
| Fri Jan 30 21:02:03 GMT 1998 | CHIP | Bias |
| Fri Jan 30 21:02:43 GMT 1998 | PICS | End Flat |
| Fri Jan 30 21:03:19 GMT 1998 | CHIP | End Bias |
| Fri Jan 30 21:03:29 GMT 1998 | CHIP | Water |
| Fri Jan 30 21:04:15 GMT 1998 | CHIP | End Water |

MKIII COMMENT: Fri Jan 30 21:19:37 GMT 1998

Rats! Used conservative start-up, but just noticed tape drive is behaving badly. getting 'wrote 0 records' messages and KCC VCP tape area indicate things are stuck on write. Does not return to Idle.

Data is ratty anyway due to cirrus. I will stop data acquisition, reset the kcc and check out the shutter.

MKIII COMMENT: Fri Jan 30 21:48:53 GMT 1998

David's addition of 1-second to the shutter run time loaded upon reset of KCC. I could not see any light leak in the P+S monitor during a KCC-VCP Dark/Scan 'button'-execution. I went upstairs and watched the shutter go in thru the port above the shutter assembly. Executed scans queued up for Corona and then Dark. Shutter went in but not all the way. If there is still some light getting by (There is an overlap "lip" at the aperture but I could not see if the shutter was past the lip from my vantage point.), we could probably stand to add another second to the shutter run time to allow it to move further in, with something less than 1/2-second of limit switch bashing. If this setting is good, then it looks like we will not crash into the limit switch.

MKIII COMMENT: Fri Jan 30 21:57:03 GMT 1998

KCC monitor image looked fairly consistent-dark, circular streaks appear in the XAnim display on nahenahe monitor.

| | | |
|------------------------------|------|----------|
| Fri Jan 30 22:01:14 GMT 1998 | PICS | Flat |
| Fri Jan 30 22:02:03 GMT 1998 | CHIP | Bias |
| Fri Jan 30 22:02:42 GMT 1998 | PICS | End Flat |
| Fri Jan 30 22:03:09 GMT 1998 | CHIP | End Bias |
| Fri Jan 30 22:03:19 GMT 1998 | CHIP | Water |

Fri Jan 30 22:04:06 GMT 1998 CHIP End Water
Fri Jan 30 22:06:57 GMT 1998 PICS End Patrol

COMMENT: Fri Jan 30 22:07:18 GMT 1998

Tapes:

MKIII: H01729

PICS: P01099

CHIP: C00487

LOWL: L00494

CHIP CHIP End Patrol

Fri Jan 30 22:08:39 GMT 1998 CHIP ending tape

Fri Jan 30 22:08:54 GMT 1998

MkIII

| | | | | |
|--------------|--------------|--------------|--------------|---------------|
| 18_08.rawmk3 | 18_49.rawmk3 | 19_46.rawmk3 | 20_27.rawmk3 | 21_08.rawmk3 |
| 18_11.rawmk3 | 18_52.rawmk3 | 19_49.rawmk3 | 20_30.rawmk3 | 21_10.rawmk3 |
| 18_14.rawmk3 | 18_55.rawmk3 | 19_52.rawmk3 | 20_32.rawmk3 | 21_13.rawmk3 |
| 18_17.rawmk3 | 18_58.rawmk3 | 19_55.rawmk3 | 20_35.rawmk3 | 21_16.rawmk3 |
| 18_20.rawmk3 | 19_01.rawmk3 | 19_57.rawmk3 | 20_38.rawmk3 | 21_19.rawmk3 |
| 18_23.rawmk3 | 19_04.rawmk3 | 20_00.rawmk3 | 20_41.rawmk3 | 21_22.rawmk3 |
| 18_26.rawmk3 | 19_10.rawmk3 | 20_03.rawmk3 | 20_44.rawmk3 | 21_25.rawmk3 |
| 18_28.rawmk3 | 19_16.rawmk3 | 20_06.rawmk3 | 20_47.rawmk3 | 21_38.rawmk3 |
| 18_31.rawmk3 | 19_22.rawmk3 | 20_09.rawmk3 | 20_50.rawmk3 | 21_49.rawmk3 |
| 18_34.rawmk3 | 19_31.rawmk3 | 20_12.rawmk3 | 20_53.rawmk3 | c19_06.rawmk3 |
| 18_37.rawmk3 | 19_34.rawmk3 | 20_15.rawmk3 | 20_56.rawmk3 | c19_13.rawmk3 |
| 18_40.rawmk3 | 19_37.rawmk3 | 20_18.rawmk3 | 20_59.rawmk3 | c19_19.rawmk3 |
| 18_43.rawmk3 | 19_40.rawmk3 | 20_21.rawmk3 | 21_02.rawmk3 | c21_34.rawmk3 |
| 18_46.rawmk3 | 19_43.rawmk3 | 20_24.rawmk3 | 21_05.rawmk3 | c21_43.rawmk3 |