
Mauna Loa Solar Observatory Observer's Log

Mon Jul 1 16:51:40 GMT 1996

Year: 96 Doy: 183

Observer: koon

WEATHER COMMENT: Mon Jul 1 16:51:46 GMT 1996

Clear sky, wind=10 mph from the SE, temp=46 F.

tializing new tape

| | | |
|-----------------------------|-------|-------------------|
| Mon Jul 1 16:55:56 GMT 1996 | dPMon | Start Patrol |
| Mon Jul 1 16:56:11 GMT 1996 | CHIP | CHIP Start Patrol |
| Mon Jul 1 17:02:39 GMT 1996 | dPMon | Flat |
| Mon Jul 1 17:03:29 GMT 1996 | dPMon | End Flat |
| Mon Jul 1 17:04:22 GMT 1996 | CHIP | Bias |
| Mon Jul 1 17:05:36 GMT 1996 | CHIP | End Bias |
| Mon Jul 1 17:05:46 GMT 1996 | CHIP | Water |
| Mon Jul 1 17:06:28 GMT 1996 | CHIP | End Water |

MKIII COMMENT: Mon Jul 1 17:19:15 GMT 1996

Keyboard was locked, did "programmer does forget task" to clear.

| | | |
|-----------------------------|-------|-----------|
| Mon Jul 1 18:02:31 GMT 1996 | dPMon | Flat |
| Mon Jul 1 18:02:29 GMT 1996 | CHIP | Bias |
| Mon Jul 1 18:03:18 GMT 1996 | dPMon | End Flat |
| Mon Jul 1 18:03:42 GMT 1996 | CHIP | End Bias |
| Mon Jul 1 18:03:53 GMT 1996 | CHIP | Water |
| Mon Jul 1 18:04:32 GMT 1996 | CHIP | End Water |
| Mon Jul 1 19:02:37 GMT 1996 | dPMon | Flat |
| Mon Jul 1 19:03:23 GMT 1996 | dPMon | End Flat |
| Mon Jul 1 19:03:25 GMT 1996 | CHIP | Bias |
| Mon Jul 1 19:04:29 GMT 1996 | CHIP | End Bias |
| Mon Jul 1 19:04:38 GMT 1996 | CHIP | Water |
| Mon Jul 1 19:05:12 GMT 1996 | CHIP | End Water |
| Mon Jul 1 20:00:26 GMT 1996 | dPMon | Flat |
| Mon Jul 1 20:01:07 GMT 1996 | dPMon | End Flat |
| Mon Jul 1 20:04:15 GMT 1996 | CHIP | Gain |
| Mon Jul 1 20:08:47 GMT 1996 | CHIP | End Gain |
| Mon Jul 1 20:08:54 GMT 1996 | CHIP | Bias |
| Mon Jul 1 20:09:31 GMT 1996 | CHIP | End Bias |
| Mon Jul 1 20:09:40 GMT 1996 | CHIP | Water |
| Mon Jul 1 20:10:07 GMT 1996 | CHIP | End Water |

COMMENT: Mon Jul 1 20:30:27 GMT 1996

Extended the dome slot.

DPMON COMMENT: Mon Jul 1 20:47:36 GMT 1996

It looks like the reason for the clipped disk images is that the occulting wheel is still turning when the camera is taking the image. I can see this by comparing the MCC status lights with the Camera field in the Status window.

| | | |
|-----------------------------|-------|----------|
| Mon Jul 1 21:00:40 GMT 1996 | dPMon | Flat |
| Mon Jul 1 21:01:24 GMT 1996 | dPMon | End Flat |
| Mon Jul 1 21:05:14 GMT 1996 | CHIP | Bias |

Mon Jul 1 21:06:17 GMT 1996 CHIP End Bias
Mon Jul 1 21:06:24 GMT 1996 CHIP Water
Mon Jul 1 21:06:58 GMT 1996 CHIP End Water

DPMON COMMENT: Mon Jul 1 21:11:35 GMT 1996

Currently working on program with David via telephone and Internet.

Mon Jul 1 21:13:44 GMT 1996 dPMon End Patrol
Mon Jul 1 21:17:12 GMT 1996 dPMon Start Patrol
Mon Jul 1 22:00:37 GMT 1996 dPMon Flat
Mon Jul 1 22:01:28 GMT 1996 dPMon End Flat
Mon Jul 1 22:03:48 GMT 1996 CHIP Bias
Mon Jul 1 22:04:48 GMT 1996 CHIP End Bias
Mon Jul 1 22:04:57 GMT 1996 CHIP Water
Mon Jul 1 22:05:31 GMT 1996 CHIP End Water

DPMON COMMENT: Mon Jul 1 22:07:51 GMT 1996

After talking with David we have a temporary solution to the clipped disk images, use Kill and Run (after killing all tasks except Xsun and Camera as usual) to restart the observing program. Apparently sometimes an extra WaitOptics command (or something like that) gets issued and the program gets tricked into taking images too early (before the occulting wheel is finished moving). Also, the dust visible on the Display window images is probably on the Camera window images as well but isn't visible there because the limb brightness isn't accentuated. So, when the guys come out to do the lowk work next time we can clean the camera chip since we'll have to move the camera anyway, that way we don't have to worry about refocusing the image like we would if we moved the camera now to remove the dust. The dust should be removed from the calibrated images anyway.

Mon Jul 1 22:28:17 GMT 1996 dPMon End Patrol
Mon Jul 1 22:29:35 GMT 1996 CHIP CHIP End Patrol
Mon Jul 1 23:29:11 GMT 1996 CHIP ending tape

COMMENT: Mon Jul 1 23:29:20 GMT 1996

Activity report:

QP: 60-70; 77; 235; 288.

No coronal activity.

TAPES:

MKIII: H01332

DPMON: P00652

CHIP: C00069

LOWL: L00401 in drive #0

SCAN-LOG

SCAN-LOG 16:57:08. 7/1/96 DOY 183

| | | | | |
|-----------|----------|----------|-----------|----------|
| 17:03:25 | 17:06:40 | 17:09:57 | 17:13:11 | 17:16:25 |
| 17:19:38 | 17:22:53 | 17:26:05 | 17:29:18 | 17:32:30 |
| 17:35:44 | 17:38:55 | 17:42:08 | 17:45:20 | 17:48:33 |
| 17:51:44 | 17:54:56 | 17:58:07 | 1802 0 CL | 18:06:09 |
| 1810 15CL | 18:15:36 | 18:21:47 | 18:25:00 | 18:28:18 |
| 18:31:28 | 18:34:42 | 18:37:54 | 18:41:06 | 18:44:17 |

| | | | | |
|----------|----------|----------|----------|----------|
| 18:47:29 | 18:50:40 | 18:53:53 | 18:57:05 | 19:00:17 |
| 19:03:29 | 19:06:42 | 19:09:53 | 19:13:06 | 19:16:17 |
| 19:19:30 | 19:22:42 | 19:25:55 | 19:29:07 | 19:32:21 |
| 19:35:33 | 19:38:46 | 19:41:58 | 19:45:11 | 19:48:22 |
| 19:51:35 | 19:54:47 | 19:58:00 | 20:01:12 | 20:04:25 |
| 20:07:37 | 20:10:50 | 20:14:02 | 20:17:15 | 20:20:27 |
| 20:23:40 | 20:26:52 | 20:30:04 | 20:33:18 | 20:36:37 |
| 20:39:51 | 20:43:03 | 20:46:15 | 20:49:28 | 20:52:40 |
| 20:55:52 | 20:59:04 | 21:02:17 | 21:05:30 | 21:08:43 |
| 21:11:55 | 21:15:08 | 21:18:20 | 21:21:32 | 21:24:43 |
| 21:27:56 | 21:31:07 | 21:34:19 | 21:37:30 | 21:40:42 |
| 21:43:54 | 21:47:06 | 21:50:17 | 21:53:29 | 21:56:40 |
| 21:59:54 | 22:03:05 | 22:06:18 | 22:09:29 | 22:12:41 |
| 22:15:52 | 22:19:05 | 22:22:16 | 22:25:28 | |

0 ERRORS

OK