
Mauna Loa Solar Observatory Observer's Log

Wed Jan 10 17:46:24 GMT 2001

WEATHER COMMENT: Wed Jan 10 18:09:12 GMT 2001 Clear sky, wind=5 mph from the SE, temp=38 F.

Year: 01 Doy: 010

lens were still clean.

Observer: koon

Wed Jan 10 18:02:49 GMT 2001 CHIP Startup--Initializing new tape

Wed Jan 10 18:08:48 GMT 2001 CHIP Start 7 Passband Patrol

MKIV PROBLEM: Wed Jan 10 18:09:39 GMT 2001
Delayed in starting due to talking with Kim about possible MK4 problems.
I looked at the O1 and it looks like I left it except its now a lot dirtier than I had it, maybe that extra scattered light is accounting for the change in signal seen after Eric checked the O1. It's still cleaner than before I cleaned it on Sunday but it could use a cleaning again. Tha sky transmission is at about 1328, which is about what I saw after cleaning the O1 on Sunday. The O-scope signal is about what it looked like late in the day on Sunday, but it would probably be a lower signal this early if the

MKIV PROBLEM: Wed Jan 10 19:33:47 GMT 2001

Talked to Kim again, it looks like there is no problem on this end with the MK4 related to my cleaning of the O1. I think that the big change in the data amplitudes caused some concern that something was done erroneously by me when I cleaned the O1, in the past there have been surprised reactions after changes in amplitudes related to 01 cleaning and I'm fairly sure that there are probably software scaling problems that need to be worked out. Those scaling factors were probably set when the O1 was dirty and therefore things are looking more normal with a slightly dirty lens now. I'll leave the O1 where it is, about mid-dirty, if it were twice as dirty I would say it needs to be cleaned. So if those calibration scaling factors are adjusted for this mid-dirty condition then that might be the ideal setting. Then I can reclean the lens again. I checked the Sky transmission and it looked normal at around 1325 on the readout, 321 on the GUI, and 3.200 volts on the GUI. I covered the Sky transmission telescope objective about half way and the readout became 610, the GUI became 151, and the GUI voltage became 1.480, which I quess is normal, I did this at Kim's request because it looks like the Sky transmission reading that is used in Boulder is pegged at a high reading We are quessing that the 321 reading is what is used. I will now go up in the dome and remove the partial block and clean the window for the Sky Transmission telescope in hopes that will bring the reading down from a pegged high position due to less scattered light on that. **MKIV PROBLEM**: Wed Jan 10 19:52:40 GMT 2001

Cleaning the Sky Transmission telescope objective window caused an increase in the reading in all areas. Readout went from 1325 to 1455, GUI went from 321 to 336 (so apparently the 321 reading wasn't a pegged reading) and the GUI voltage went from 3.200 to 3.345. All readings are still varying and there is no evidence of something being pegged. Yet in the data is was

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mentioned that the sky transmission values appear pegged. All looks well
on the hardware side of MK4.
Wed Jan 10 19:58:11 GMT 2001
                                PICS
                                          Start Patrol
**PICS PROBLEM**: Wed Jan 10 19:58:15 GMT 2001
Just noticed that this didn't start up beyond Program: Init, did Kill/Run
cycle to restart. Didn't notice this earlier due to concentration on
possible MK4 problems.
Wed Jan 10 20:01:57 GMT 2001
                                          Start Patrol
                                 PICS
Wed Jan 10 20:02:49 GMT 2001
                                 CHIP
                                          LSD
Wed Jan 10 20:05:36 GMT 2001
                                 CHIP
                                          End LSD
Wed Jan 10 20:05:45 GMT 2001
                                 CHIP
                                          BiasLSD
Wed Jan 10 20:06:32 GMT 2001
                                          End BiasLSD
                                 CHIP
Wed Jan 10 20:06:48 GMT 2001
                                 CHIP
                                          Bias7
Wed Jan 10 20:07:51 GMT 2001
                                 CHIP
                                          End Bias7
A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Wed Jan 10 21:19:24 GMT 2001
Wed Jan 10 22:03:55 GMT 2001
                                 PICS
                                          End Patrol
Wed Jan 10 22:06:40 GMT 2001
                                 CHIP
                                          End Patrol
Wed Jan 10 22:07:03 GMT 2001
                                 CHIP
                                          FrontEnd finished.
Wed Jan 10 22:09:38 GMT 2001
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18_39.rawmk4
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18_44.rawmk4
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