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Mauna Loa Solar Observatory Observer's Log  
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Wed Jan 10 17:46:24 GMT 2001

Year: 01 Doy: 010

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

WEATHER COMMENT: Wed Jan 10 18:09:12 GMT 2001

Clear sky, wind=5 mph from the SE, temp=38 F.

\*\*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. The 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 lens were still clean.

\*\*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 O1 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 guess 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 guessing 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 it was 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 PICS Start Patrol

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 CHIP End BiasLSD

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

MkIV

18_13.rawmk4	19_05.rawmk4	20_00.rawmk4	20_47.rawmk4	21_35.rawmk4
18_17.rawmk4	19_12.rawmk4	20_03.rawmk4	20_50.rawmk4	21_38.rawmk4
18_21.rawmk4	19_18.rawmk4	20_06.rawmk4	20_53.rawmk4	21_41.rawmk4
18_24.rawmk4	19_21.rawmk4	20_09.rawmk4	20_56.rawmk4	21_44.rawmk4
18_27.rawmk4	19_24.rawmk4	20_12.rawmk4	20_59.rawmk4	21_46.rawmk4
18_30.rawmk4	19_27.rawmk4	20_15.rawmk4	21_02.rawmk4	21_49.rawmk4
18_33.rawmk4	19_30.rawmk4	20_17.rawmk4	21_05.rawmk4	21_52.rawmk4
18_36.rawmk4	19_33.rawmk4	20_20.rawmk4	21_08.rawmk4	21_55.rawmk4
18_39.rawmk4	19_36.rawmk4	20_23.rawmk4	21_11.rawmk4	21_58.rawmk4
18_42.rawmk4	19_39.rawmk4	20_26.rawmk4	21_14.rawmk4	22_01.rawmk4
18_44.rawmk4	19_42.rawmk4	20_29.rawmk4	21_17.rawmk4	22_04.rawmk4
18_47.rawmk4	19_45.rawmk4	20_32.rawmk4	21_20.rawmk4	c19_02.rawmk4
18_50.rawmk4	19_48.rawmk4	20_35.rawmk4	21_23.rawmk4	c19_09.rawmk4
18_53.rawmk4	19_51.rawmk4	20_38.rawmk4	21_26.rawmk4	c19_15.rawmk4
18_56.rawmk4	19_54.rawmk4	20_41.rawmk4	21_29.rawmk4	
18_59.rawmk4	19_57.rawmk4	20_44.rawmk4	21_32.rawmk4	