
Mauna Loa Solar Observatory Observer's Log

Sat Jul 20 16:48:19 GMT 2002

Year: 02 Doy: 201

Observer: koon

Sat Jul 20 16:53:21 GMT 2002 CHIP Start Patrol

Sat Jul 20 16:53:30 GMT 2002 PICS Start Patrol

Sat Jul 20 16:55:04 GMT 2002 MKIV Start Patrol

WEATHER COMMENT: Sat Jul 20 16:48:20 GMT 2002

Clear sky, wind=10 mph from the SE, temp=50 F.

PSPT COMMENT: Sat Jul 20 17:04:18 GMT 2002

Observing.

A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Sat Jul 20 17:21:00 GMT 2002

Sat Jul 20 18:02:48 GMT 2002 PICS Flat

Sat Jul 20 18:05:50 GMT 2002 PICS End Flat

Sat Jul 20 18:11:59 GMT 2002 MKIV End Patrol

Sat Jul 20 18:12:11 GMT 2002 MKIV Start Cal

Sat Jul 20 18:30:53 GMT 2002 MKIV End Cal

Sat Jul 20 18:31:04 GMT 2002 MKIV Start Patrol

Sat Jul 20 19:02:42 GMT 2002 CHIP LSD

Sat Jul 20 19:05:00 GMT 2002 CHIP End LSD

Sat Jul 20 19:05:19 GMT 2002 CHIP BiasLSD

Sat Jul 20 19:06:16 GMT 2002 CHIP End BiasLSD

Sat Jul 20 19:06:28 GMT 2002 CHIP Bias

Sat Jul 20 19:07:31 GMT 2002 CHIP End Bias

MKIV COMMENT: Sat Jul 20 19:16:29 GMT 2002

Pausing due to clouds.

Sat Jul 20 19:18:25 GMT 2002 MKIV End Patrol

COMMENT: Sat Jul 20 19:28:13 GMT 2002

Extended the dome about 15 minutes ago.

Sat Jul 20 20:50:48 GMT 2002 PICS End Patrol

PICS COMMENT: Sat Jul 20 20:50:44 GMT 2002

Pausing to try to remove the dust from the CCD.

PICS PROBLEM: Sat Jul 20 21:34:22 GMT 2002

OK, I removed at least 4 big (visible) pieces of dust from the CCD. I stopped the Patrol first then typed dv into the xterm window which then gave me a camera control interface. I couldn't get the shutter to "lock open" for some reason that command didn't work right, but I did set it to open for about 10 seconds at a time which worked fine. I could see some dust specks and they were difficult to remove but I used the air blower first then the vacuum to hopefully remove those pesky particles from the camera for good. With the Halle filter in place throughout the whole cleaning and testing procedure, I set the occulting wheel to Dark while I cleaned the CCD and to Clear with an exposure of 32 ms while I looked for dust on the CCD. I avoided using the air blower or vacuum around the time of the shutter closing and reopening every 10 seconds, easy to do. I had to reboot Nene after I was through, that will pickup the correct camera settings from the startup script.

Sat Jul 20 21:56:17 GMT 2002 PICS Start Patrol

PICS PROBLEM: Sat Jul 20 22:01:41 GMT 2002

The instrument is running again and the first disk image looks very clean, in fact about 4 artifacts that were thought to be bad pixels also have disappeared as well as at least 5 dark dust specks including that big one that appeared recently in the South. Compare images taken at 2048 and 2156 UT.

Sat Jul 20 22:21:24 GMT 2002 CHIP End Patrol

Sat Jul 20 22:24:34 GMT 2002 PICS End Patrol

PSPT PROBLEM: Sat Jul 20 22:42:11 GMT 2002

Shutdown program wouldn't park the dome, the PC screen show positional info that implies the dome is moving but it wasn't. I pressed Enter on the PC and the rest of the shutdown sequence continued, I'll send the dome to the stow position with the command "dome goto 7000".

Sat Jul 20 22:50:26 GMT 2002

MkIV

16_55.rawmk4 17_24.rawmk4 17_54.rawmk4 18_34.rawmk4 19_03.rawmk4
16_58.rawmk4 17_27.rawmk4 17_57.rawmk4 18_36.rawmk4 19_06.rawmk4

17_01.rawmk4	17_30.rawmk4	17_59.rawmk4	18_39.rawmk4	19_09.rawmk4
17_03.rawmk4	17_33.rawmk4	18_02.rawmk4	18_42.rawmk4	19_12.rawmk4
17_06.rawmk4	17_36.rawmk4	18_05.rawmk4	18_45.rawmk4	19_15.rawmk4
17_09.rawmk4	17_39.rawmk4	18_08.rawmk4	18_48.rawmk4	c18_12.rawmk4
17_12.rawmk4	17_42.rawmk4	18_15.rawmk4	18_51.rawmk4	c18_18.rawmk4
17_15.rawmk4	17_45.rawmk4	18_21.rawmk4	18_54.rawmk4	c18_24.rawmk4
17_18.rawmk4	17_48.rawmk4	18_27.rawmk4	18_57.rawmk4	
17_21.rawmk4	17_51.rawmk4	18_31.rawmk4	19_00.rawmk4	