
Mauna Loa Solar Observatory Observer's Log

Fri Jan 26 17:29:46 GMT 2001

Year: 01 Doy: 026

Observer: yasukawa

WEATHER COMMENT: Fri Jan 26 17:30:29 GMT 2001

Cold, clear, strong south wind.

Fri Jan 26 17:38:34 GMT 2001 CHIP Start 7 Passband Patrol

Fri Jan 26 17:38:42 GMT 2001 MKIV Start Patrol

Fri Jan 26 17:38:41 GMT 2001 PICS Start Patrol

Fri Jan 26 18:02:00 GMT 2001 PICS Flat

Fri Jan 26 18:05:37 GMT 2001 PICS End Flat

MKIV PROBLEM: Fri Jan 26 18:28:42 GMT 2001

Disconnected BNC at rear of Dalsa camera to test whether the analog output is loading the camera. This will eliminate the MKIV monitor display (oscilloscope on OCP). Looking at real-time display for any differences in output.

Fri Jan 26 18:32:05 GMT 2001 MKIV Start Patrol

MKIV PROBLEM: Fri Jan 26 18:33:04 GMT 2001

I do not see any discernable difference in the before and after image.

MKIV PROBLEM: Fri Jan 26 18:42:24 GMT 2001

Hmmm... signal at real-time image disappeared for some unknown reason after I selected Idle at the turnaround to stop to reconnect BNC at Dalsa camera.

MKIV PROBLEM: Fri Jan 26 18:44:21 GMT 2001

"disappeared" meaning went flat--like opal or shutter is in, not white.

MKIV PROBLEM: Fri Jan 26 18:47:22 GMT 2001

Reconnected analog output BNC to Dalsa camera.

Fri Jan 26 18:47:51 GMT 2001 MKIV Start Patrol

MKIV PROBLEM: Fri Jan 26 18:59:33 GMT 2001

CW scan during cal is "dark" again--no coronal image. CCW scan images appear normal.

MKIV PROBLEM: Fri Jan 26 19:02:21 GMT 2001

Images that were "dark" on the realtime display also appear blank (white) on the xanim display.

MKIV PROBLEM: Fri Jan 26 19:03:46 GMT 2001

Coronal image is displaying during the CW scan in the realtime display this time around.

MKIV PROBLEM: Fri Jan 26 19:13:10 GMT 2001

Changing strap in transformation board to change from 960 Hz to 480 Hz.

I will be switching:

U2 #6 to open

U4 #1 to open

U4 #2 to closed

Then I will reboot the kcc and proceed from there if there are no errors in the code and if coronal images appear at the real-time display.

MKIV PROBLEM: Fri Jan 26 19:25:06 GMT 2001

During the kcc boot, I saw the following error messages flash by:

```
dqSetSurfProcRect(): Fatal error
```

```
  A fatal error has been encountered, causing the program to terminate.
```

and

```
dqSetTimingSwitch( 0x0036d770(INVALID OBJECT), ??_?00005615?. 1 )
```

```
dqSetTimingSwitch(): Not an IP device handle
```

```
dqSetTimingSwitch(): Fatal error
```

Done executing startup script /opt/alakai/mech

The gui is up on the monitor and it appears that the boot did proceed to the end. Emailed David to see if we should proceed with Patrol.

MKIV PROBLEM: Fri Jan 26 19:44:03 GMT 2001

David checked the code, found and corrected the error and I rebooted kcc.

Boot proceeded OK with no error messages this time.

```

Fri Jan 26 19:46:02 GMT 2001    MKIV    Start Patrol
**MKIV PROBLEM**: Fri Jan 26 19:46:51 GMT 2001
Bummer, all I see is "snow" on the realtime display, no coronal image.
... in both CW & CCW directions.
Fri Jan 26 20:02:50 GMT 2001    MKIV    Start Patrol
Fri Jan 26 20:03:01 GMT 2001    CHIP    LSD
Fri Jan 26 20:05:38 GMT 2001    CHIP    End LSD
Fri Jan 26 20:05:51 GMT 2001    CHIP    BiasLSD
Fri Jan 26 20:06:44 GMT 2001    CHIP    End BiasLSD
Fri Jan 26 20:07:00 GMT 2001    CHIP    Bias7
Fri Jan 26 20:08:03 GMT 2001    CHIP    End Bias7
**MKIV PROBLEM**: Fri Jan 26 20:14:13 GMT 2001
Tried a bunch of adjustments in gains and did not see any corona or
understandable changes in I. I will restrap the transformation board back
to 960 Hz and David will reinstall the 960 Hz code. Then I will reboot
kcc to pick it up and then we will (hopefully) proceed with coronal
observations.
Fri Jan 26 20:19:39 GMT 2001    MKIV    Start Patrol
**MKIV PROBLEM**: Fri Jan 26 20:21:35 GMT 2001
UGH! realtime display is displaying concentric streaks, no coronal image.
**MKIV PROBLEM**: Fri Jan 26 20:31:36 GMT 2001
Picking up a new version of code via kcc reboot.
Fri Jan 26 20:33:05 GMT 2001    MKIV    Start Patrol
**MKIV PROBLEM**: Fri Jan 26 20:35:08 GMT 2001
OK. realtime display back to what was normal this morning.
Fri Jan 26 22:10:01 GMT 2001    PICS    End Patrol
Fri Jan 26 22:12:11 GMT 2001    CHIP    End Patrol
Fri Jan 26 22:13:04 GMT 2001

```

MkIV

17_38.rawmk4	18_20.rawmk4	20_05.rawmk4	21_00.rawmk4	21_42.rawmk4
17_41.rawmk4	18_23.rawmk4	20_08.rawmk4	21_03.rawmk4	21_45.rawmk4
17_44.rawmk4	18_32.rawmk4	20_11.rawmk4	21_06.rawmk4	21_48.rawmk4
17_47.rawmk4	18_35.rawmk4	20_20.rawmk4	21_09.rawmk4	21_51.rawmk4
17_50.rawmk4	18_38.rawmk4	20_23.rawmk4	21_12.rawmk4	21_54.rawmk4
17_53.rawmk4	18_41.rawmk4	20_34.rawmk4	21_15.rawmk4	21_57.rawmk4
17_56.rawmk4	18_47.rawmk4	20_37.rawmk4	21_18.rawmk4	22_00.rawmk4
17_59.rawmk4	18_50.rawmk4	20_40.rawmk4	21_21.rawmk4	c18_53.rawmk4
18_02.rawmk4	18_56.rawmk4	20_43.rawmk4	21_24.rawmk4	c19_00.rawmk4
18_05.rawmk4	19_03.rawmk4	20_46.rawmk4	21_27.rawmk4	c19_06.rawmk4
18_08.rawmk4	19_09.rawmk4	20_49.rawmk4	21_30.rawmk4	
18_11.rawmk4	19_46.rawmk4	20_52.rawmk4	21_33.rawmk4	
18_14.rawmk4	19_49.rawmk4	20_55.rawmk4	21_36.rawmk4	
18_17.rawmk4	20_02.rawmk4	20_58.rawmk4	21_39.rawmk4	