
Mauna Loa Solar Observatory Observer's Log

Wed Jan 24 17:54:18 GMT 2001

Year: 01 Doy: 024

Observer: koon

WEATHER COMMENT: Wed Jan 24 17:54:19 GMT 2001

Clear sky, wind=5 mph from the SSE, temp=40 F.

Wed Jan 24 17:55:20 GMT 2001 CHIP Startup--Initializing new tape

Wed Jan 24 17:59:33 GMT 2001 MKIV Start Patrol

Wed Jan 24 17:59:45 GMT 2001 CHIP Start 7 Passband Patrol

Wed Jan 24 17:59:49 GMT 2001 PICS Start Patrol

Wed Jan 24 18:02:34 GMT 2001 PICS Flat

Wed Jan 24 18:06:12 GMT 2001 PICS End Flat

MKIV PROBLEM: Wed Jan 24 18:43:12 GMT 2001

Did a calibration, will now work on the 480 Hz camera rate test as outlined by David.

Wed Jan 24 20:01:37 GMT 2001 CHIP LSD

Wed Jan 24 20:04:23 GMT 2001 CHIP End LSD

Wed Jan 24 20:04:33 GMT 2001 CHIP BiasLSD

Wed Jan 24 20:05:17 GMT 2001 CHIP End BiasLSD

Wed Jan 24 20:05:27 GMT 2001 CHIP Bias7

Wed Jan 24 20:05:36 GMT 2001 MKIV Start Cal

Wed Jan 24 20:06:13 GMT 2001 CHIP End Bias7

MKIV PROBLEM: Wed Jan 24 20:05:39 GMT 2001

Done converting from 960 Hz to 480 Hz Reads. Doing a calibration with this setting, then will set back to original setting and do a calibration then continue taking data. Originally there were 2 integrate pulses per single 480 Hz PRIN pulse. To change to one integrate pulse per PRIN pulse I changed 3 DIP switches: set U2 switch #6 to Open, set U4 switch #1 to Open, set U4 switch #2 to closed. PRIN was read from P418 on transformation board, Integrate was read from P417 on the board. The calibration looks bad, I don't see any cal or coronal data of the regular type on the realtime trace, but the signal amplitude shown on our MkIV Monitor O-scope has doubled in height as was desired.

Wed Jan 24 20:29:29 GMT 2001 MKIV Start Cal

MKIV PROBLEM: Wed Jan 24 20:26:42 GMT 2001

I rechecked the signal height on our O-scope monitor, it has been quadrupled by this change compared to the recent regular signal height since the O1 cleaning, in an earlier log entry I said it doubled and that was a low estimate. I switched the DIP switches back and am doing another cal now.

Wed Jan 24 20:50:03 GMT 2001 MKIV Start Patrol

Wed Jan 24 21:31:53 GMT 2001 MKIV Start Cal

MKIV PROBLEM: Wed Jan 24 21:31:59 GMT 2001

Loaded new software into KCC, rebooted it, doing a new cal now.

Wed Jan 24 21:38:38 GMT 2001 MKIV End Cal

Wed Jan 24 21:50:54 GMT 2001 MKIV Start Patrol

MKIV PROBLEM: Wed Jan 24 21:53:11 GMT 2001

Scans looked noisy with new software. Did some "ltc" transfers for David to look at the signal with opal, opal and tilt plate, dark shutter, and regular sky. Now back to 960 Hz read rate and older software in KCC.

Wed Jan 24 22:07:41 GMT 2001 PICS End Patrol
Wed Jan 24 22:08:54 GMT 2001 CHIP End Patrol
Wed Jan 24 22:09:16 GMT 2001 CHIP FrontEnd finished.
Wed Jan 24 22:13:37 GMT 2001

MkIV

17_59.rawmk4	18_32.rawmk4	20_53.rawmk4	21_16.rawmk4	c18_29.rawmk4
18_02.rawmk4	20_08.rawmk4	20_55.rawmk4	21_35.rawmk4	c20_05.rawmk4
18_05.rawmk4	20_14.rawmk4	20_58.rawmk4	21_50.rawmk4	c20_11.rawmk4
18_08.rawmk4	20_21.rawmk4	21_01.rawmk4	21_53.rawmk4	c20_18.rawmk4
18_11.rawmk4	20_32.rawmk4	21_04.rawmk4	21_56.rawmk4	c20_29.rawmk4
18_14.rawmk4	20_38.rawmk4	21_07.rawmk4	21_59.rawmk4	c20_35.rawmk4
18_20.rawmk4	20_44.rawmk4	21_10.rawmk4	c18_17.rawmk4	c20_41.rawmk4
18_26.rawmk4	20_50.rawmk4	21_13.rawmk4	c18_23.rawmk4	c21_31.rawmk4