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                  Mauna Loa Solar Observatory Observer's Log
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          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 sitches: 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
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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