
Mauna Loa Solar Observatory Observer's Log

Thu Apr 29 16:55:43 GMT 1999

Year: 99 Doy: 119

Observer: koon

WEATHER COMMENT: Thu Apr 29 16:55:57 GMT 1999

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

Thu Apr 29 16:56:46 GMT 1999 CHIP Startup--Initializing new tape

Thu Apr 29 16:58:58 GMT 1999 MKIII Start Patrol

Thu Apr 29 16:59:09 GMT 1999 CHIP CHIP Start Patrol

Thu Apr 29 16:59:09 GMT 1999 CHIP CHIP Start Patrol

Thu Apr 29 17:01:23 GMT 1999 PICS Flat

Thu Apr 29 17:02:50 GMT 1999 PICS End Flat

Thu Apr 29 17:03:07 GMT 1999 CHIP Bias

MKIV COMMENT: Thu Apr 29 17:03:58 GMT 1999

1st scan now looks as good as the rest.

ias

Thu Apr 29 17:04:05 GMT 1999 CHIP Water

Thu Apr 29 17:04:44 GMT 1999 CHIP End Water

LOW-L COMMENT: Thu Apr 29 17:45:24 GMT 1999

The program was stopped so that some software could be changed involving the CTS10 card and so a tape drive test could be made. Tape L00595 had 54 files on it, it was removed from Drive #0 and L00596 was left in drive #1, then the software was changed to allow using the CTS10 board again for setting the clock, and the program was restarted with data going to drive#1, this is a test to see if there is any problem when the tape drive change from #1 to #0 happens. There has been an occasional problem with the program crashing when the tape drive change from #0 to #1 takes place, so this is a test to see if the software causing the change is the culprit rather than the drive #1 itself. The clock test of the past few days involved removing any interaction with the CTS10 board to see if that might have been causing crash problems, during the time necessary to gather 54 files the DOS clock drifted about 1.5 seconds.

Thu Apr 29 18:01:34 GMT 1999 PICS Flat

Thu Apr 29 18:01:51 GMT 1999 CHIP Bias

Thu Apr 29 18:02:46 GMT 1999 CHIP End Bias

Thu Apr 29 18:03:01 GMT 1999 CHIP Water

Thu Apr 29 18:03:08 GMT 1999 PICS End Flat

Thu Apr 29 18:03:45 GMT 1999 CHIP End Water

Thu Apr 29 18:05:36 GMT 1999 MKIII Start Cal

Thu Apr 29 18:14:42 GMT 1999 PICS End Patrol

PICS COMMENT: Thu Apr 29 18:15:32 GMT 1999

K-corona data are going to tape around 1818 ut.

MKIV COMMENT: Thu Apr 29 18:28:55 GMT 1999

We have been losing MkIII and MkIV scans this morning. Not all of them have been getting transferred, including portions of the calibration. The code has been changed and another attempt at the calibration will following.

Thu Apr 29 18:31:39 GMT 1999 MKIII Start Cal

PICS COMMENT: Thu Apr 29 18:32:55 GMT 1999

Paused to work on temperature sensors. Program hung up while pausing so had to use Kill.

MKIV COMMENT: Thu Apr 29 18:54:29 GMT 1999

Data went to disk this time. Let's hope the software permanently fixed the transfer problem.

Thu Apr 29 18:55:07 GMT 1999 MKIII Start Correct

Thu Apr 29 18:56:52 GMT 1999 MKIII End Correct

Thu Apr 29 18:56:56 GMT 1999 MKIII Start Correct

Thu Apr 29 18:58:44 GMT 1999 MKIII End Correct

Thu Apr 29 18:59:51 GMT 1999 MKIII Start Correct

Thu Apr 29 19:00:59 GMT 1999 CHIP Bias

Thu Apr 29 19:01:37 GMT 1999 MKIII End Correct

Thu Apr 29 19:01:42 GMT 1999 MKIII Start Correct

Thu Apr 29 19:02:06 GMT 1999 CHIP End Bias

Thu Apr 29 19:02:20 GMT 1999 CHIP Water

Thu Apr 29 19:03:02 GMT 1999 CHIP End Water

PICS COMMENT: Thu Apr 29 19:04:55 GMT 1999
Restarting Patrol for a while, Polarizing Beam Splitter temperature sensor is now fixed.

Thu Apr 29 19:07:24 GMT 1999 MKIII End Correct
Thu Apr 29 19:07:46 GMT 1999 MKIII Start Cal

MKIV COMMENT: Thu Apr 29 19:07:54 GMT 1999
Did MkIV correct. It took three rounds to zero out the offsets.

MKIII COMMENT: Thu Apr 29 19:08:17 GMT 1999
Did MkIII correct. Dark, Light, and Gain look good on display.
Trying a new calibrate.
The flakey pixels in the 120 range are still with us. Witing for Eric to diagnose the problem.

MKIV COMMENT: Thu Apr 29 19:28:18 GMT 1999
Calibration failed again. This time with a permission denied for cortab0. This is really weird. Will try again

Thu Apr 29 19:32:04 GMT 1999 MKIII Start Cal
Thu Apr 29 19:49:56 GMT 1999 MKIII Start Cal
Thu Apr 29 19:53:11 GMT 1999 PICS End Patrol
Thu Apr 29 20:00:47 GMT 1999 CHIP Gain
Thu Apr 29 20:05:17 GMT 1999 CHIP End Gain
Thu Apr 29 20:06:17 GMT 1999 CHIP End Bias
Thu Apr 29 20:06:31 GMT 1999 CHIP Water
Thu Apr 29 20:07:10 GMT 1999 CHIP End Water
Thu Apr 29 20:14:18 GMT 1999 MKIII Start Cal

COMMENT: Thu Apr 29 20:19:33 GMT 1999
Extended the dome slot.
Thu Apr 29 20:41:41 GMT 1999 PICS Start Patrol

PICS COMMENT: Thu Apr 29 20:50:07 GMT 1999
The disk images are focused as well as the limb images for some reason, they've been kind of bad since this morning but look worse now.

Thu Apr 29 21:00:32 GMT 1999 PICS Flat
Thu Apr 29 21:02:00 GMT 1999 PICS End Flat
Thu Apr 29 21:02:00 GMT 1999 PICS End Flat
Thu Apr 29 21:02:57 GMT 1999 CHIP End Bias
Thu Apr 29 21:03:07 GMT 1999 CHIP Water

****CHIP PROBLEM****: Thu Apr 29 21:03:23 GMT 1999
Filter temperature is low (29.995) and rising, it has been low for at least an hour.
Thu Apr 29 21:04:30 GMT 1999 PICS End Patrol

COMMENT: Thu Apr 29 21:36:37 GMT 1999
Filter temperature is within the correct range now, it may be due to the work being done on the other temperature sensors that is requiring turning off the sensor board power in the control room.

MKIV COMMENT: Thu Apr 29 21:39:40 GMT 1999
Sky is so bright the MkIV is saturating. The pB signal is washed out in the mid heights up to where sensitivity rolls off at the top.

MKIV COMMENT: Thu Apr 29 21:49:49 GMT 1999
Now just saturating at one height in MkIV. For MLSO observers this happens at a scope level of 8cm with zero set to the bottom of the scope and a gain of 0.2V/cm. This corresponds to 3cm in MkIII and a gain of .1/cm

Thu Apr 29 22:01:56 GMT 1999 CHIP Bias
Thu Apr 29 22:03:00 GMT 1999 CHIP End Bias
Thu Apr 29 22:03:15 GMT 1999 CHIP Water
Thu Apr 29 22:03:54 GMT 1999 CHIP End Water

WEATHER COMMENT: Thu Apr 29 22:15:31 GMT 1999
Sky is getting very bright, and orographic clouds are moving in.

Thu Apr 29 22:20:32 GMT 1999 PICS Start Patrol
Thu Apr 29 22:50:10 GMT 1999 PICS End Patrol
Thu Apr 29 22:51:04 GMT 1999 PICS Start Patrol
Thu Apr 29 22:56:30 GMT 1999 PICS Start Patrol
Thu Apr 29 23:00:29 GMT 1999 PICS Flat

PICS COMMENT: Thu Apr 29 23:01:10 GMT 1999
Look for blr and alr images from PICS today. These are red wing and blue wing observations of the limb.

Thu Apr 29 23:01:43 GMT 1999 CHIP Bias
Thu Apr 29 23:01:56 GMT 1999 PICS End Flat
Thu Apr 29 23:02:41 GMT 1999 CHIP End Bias

WEATHER COMMENT: Thu Apr 29 23:03:18 GMT 1999
Orographic clouds swirling. Stopped all observations for now.
Thu Apr 29 23:03:56 GMT 1999 CHIP End Water
Thu Apr 29 23:04:26 GMT 1999 PICS End Patrol
WEATHER COMMENT: Thu Apr 29 23:04:57 GMT 1999
Orographic clouds are moving over now.
Thu Apr 29 23:07:08 GMT 1999 MKIII End Patrol
COMMENT: Thu Apr 29 23:13:42 GMT 1999

TAPES:

MKIV: 99119
CHIP: C00837
PICS: P01425
LOWL: L00597 in drive #1

Thu Apr 29 23:15:51 GMT 1999
MkIII

16_59.rawmk3	17_56.rawmk3	20_54.rawmk3	21_55.rawmk3	22_56.rawmk3
17_02.rawmk3	17_59.rawmk3	20_58.rawmk3	21_59.rawmk3	22_59.rawmk3
17_06.rawmk3	18_02.rawmk3	21_01.rawmk3	22_02.rawmk3	23_03.rawmk3
17_09.rawmk3	18_09.rawmk3	21_05.rawmk3	22_06.rawmk3	c18_05.rawmk3
17_13.rawmk3	18_16.rawmk3	21_09.rawmk3	22_09.rawmk3	c18_12.rawmk3
17_16.rawmk3	18_35.rawmk3	21_12.rawmk3	22_13.rawmk3	c18_31.rawmk3
17_19.rawmk3	18_43.rawmk3	21_16.rawmk3	22_17.rawmk3	c18_39.rawmk3
17_23.rawmk3	18_50.rawmk3	21_19.rawmk3	22_20.rawmk3	c18_47.rawmk3
17_27.rawmk3	19_11.rawmk3	21_23.rawmk3	22_24.rawmk3	c19_07.rawmk3
17_30.rawmk3	19_19.rawmk3	21_26.rawmk3	22_27.rawmk3	c19_15.rawmk3
17_33.rawmk3	19_54.rawmk3	21_30.rawmk3	22_31.rawmk3	c19_32.rawmk3
17_36.rawmk3	20_01.rawmk3	21_34.rawmk3	22_34.rawmk3	c19_50.rawmk3
17_40.rawmk3	20_18.rawmk3	21_37.rawmk3	22_38.rawmk3	c19_57.rawmk3
17_43.rawmk3	20_25.rawmk3	21_41.rawmk3	22_42.rawmk3	c20_14.rawmk3
17_46.rawmk3	20_33.rawmk3	21_44.rawmk3	22_45.rawmk3	c20_21.rawmk3
17_49.rawmk3	20_47.rawmk3	21_48.rawmk3	22_49.rawmk3	c20_29.rawmk3
17_53.rawmk3	20_51.rawmk3	21_51.rawmk3	22_52.rawmk3	