
Mauna Loa Solar Observatory Observer's Log

Fri Aug 27 16:33:58 GMT 1999

Year: 99 Doy: 239

Observer: yasukawa

WEATHER COMMENT: Fri Aug 27 16:34:46 GMT 1999

Cool, clear, light southeast wind.

Fri Aug 27 16:35:18 GMT 1999 CHIP Startup--Initializing new tape

Fri Aug 27 16:39:34 GMT 1999 PICS Start Patrol

Fri Aug 27 16:39:58 GMT 1999 CHIP CHIP Start Patrol

Fri Aug 27 16:44:07 GMT 1999 MKIV Start Patrol

MKIV PROBLEM: Fri Aug 27 16:48:33 GMT 1999

Bright regions on east and west, due to pre-sunrise condition (looking at the dome wall) is streaky, dark regions not streaked. Not sure if this is an effect of all the changes going on with MKIV but it shouldn't hurt to reset the KCC while MKIV is still domed out.

Fri Aug 27 16:56:37 GMT 1999 MKIV Start Patrol

MKIV PROBLEM: Fri Aug 27 16:59:32 GMT 1999

Streaks gone.

Fri Aug 27 17:01:49 GMT 1999 CHIP Bias

Fri Aug 27 17:02:38 GMT 1999 CHIP End Bias

Fri Aug 27 17:02:46 GMT 1999 CHIP Water

Fri Aug 27 17:03:22 GMT 1999 CHIP End Water

MKIV PROBLEM: Fri Aug 27 17:08:22 GMT 1999

Did a Cancel KccRead, then a KccRead & to pick up a new MKIV display for nahenahe. Noticed that barrel stopped after first scan, this occurred before the Cancels. David is currently trying to get things to work.

MKIV PROBLEM: Fri Aug 27 17:18:09 GMT 1999

Barrel stalled again.

Downloading new version of code again.

Fri Aug 27 17:26:12 GMT 1999 MKIV Start Patrol

MKIV PROBLEM: Fri Aug 27 17:53:42 GMT 1999

David removed routine using raw data from the code and the program now works. Barrel is scanning and the MKIV gif images are being displayed on nahenahe--very nice!

Fri Aug 27 18:00:48 GMT 1999 CHIP Bias

Fri Aug 27 18:01:45 GMT 1999 CHIP End Bias

Fri Aug 27 18:02:05 GMT 1999 PICS Flat

Fri Aug 27 18:02:05 GMT 1999 PICS Flat

Fri Aug 27 18:02:46 GMT 1999 CHIP End Water

Fri Aug 27 18:04:41 GMT 1999 PICS End Flat

MKIV COMMENT: Fri Aug 27 18:29:49 GMT 1999

Calibration pau. Installing prime focus height mask to document new alignment.

MKIV COMMENT: Fri Aug 27 18:35:48 GMT 1999

Height mask in place, taking a couple of coronal scans.

Fri Aug 27 18:36:21 GMT 1999 MKIV Start Patrol

Fri Aug 27 18:43:17 GMT 1999 MKIV End Patrol
Fri Aug 27 18:43:37 GMT 1999 MKIV Start Patrol
MKIV COMMENT: Fri Aug 27 18:44:05 GMT 1999
Running height mask test with opal in.
MKIV COMMENT: Fri Aug 27 18:50:09 GMT 1999
height mask test pau. Removing mask.
Fri Aug 27 18:55:10 GMT 1999 MKIV Start Patrol
MKIV COMMENT: Fri Aug 27 18:55:17 GMT 1999
Resuming patrol until time to reconfigure dome shutter.
Fri Aug 27 19:02:54 GMT 1999 CHIP Bias
Fri Aug 27 19:03:04 GMT 1999 PICS polarization_calibration
Fri Aug 27 19:03:56 GMT 1999 CHIP End Bias
Fri Aug 27 19:04:06 GMT 1999 CHIP Water
Fri Aug 27 19:04:42 GMT 1999 CHIP End Water
COMMENT: Fri Aug 27 19:05:57 GMT 1999
Stopping to reconfigure dome shutter.
Fri Aug 27 19:07:39 GMT 1999 CHIP CHIP End Patrol
Fri Aug 27 19:09:00 GMT 1999 MKIV End Patrol
Fri Aug 27 19:13:48 GMT 1999 PICS End Patrol
Fri Aug 27 19:28:40 GMT 1999 MKIV Start Patrol
COMMENT: Fri Aug 27 19:28:45 GMT 1999
Starting MKIII/IV and CHIP.
HIP CHIP Start Patrol
PICS COMMENT: Fri Aug 27 19:29:11 GMT 1999
Setting up PICS for Hartman mask focus test.
PICS COMMENT: Fri Aug 27 19:30:58 GMT 1999
Will begin by testing software routine and taking a set of focus data
with micrometer setting at "original" setting of 15373.5
Hartman mask 3 cm. wide placed across middle of O1 in east/west direction.
Fri Aug 27 19:34:10 GMT 1999 PICS Start Focus
Fri Aug 27 19:40:31 GMT 1999 PICS End Focus
Fri Aug 27 19:42:23 GMT 1999 PICS Start Focus
Fri Aug 27 19:45:23 GMT 1999 PICS End Focus
PICS COMMENT: Fri Aug 27 19:47:12 GMT 1999
Focus program needed modification to get the prompts to work but it
would not pause for data entry and prompts. We decided to do the data
entry via phone and use abort to stop the program as end did not work.
Pausing test to determine which way camera moves per micrometer entry
and to set camera forward of current focus.
PICS COMMENT: Fri Aug 27 20:02:53 GMT 1999
Founf directional info on sheet of paper that was hiding under the
notepad. A jog of micrometer UP, moves the camera to the rear.
Moved the camera forward 1000 microns and will begin test at
14365.9 and move in +200 micron increments (approximately).
Fri Aug 27 20:07:22 GMT 1999 CHIP End Gain
Fri Aug 27 20:07:36 GMT 1999 CHIP Bias
Fri Aug 27 20:07:51 GMT 1999 PICS Start Focus
Fri Aug 27 20:08:29 GMT 1999 CHIP End Bias

Fri Aug 27 20:08:43 GMT 1999 CHIP Water
Fri Aug 27 20:09:18 GMT 1999 CHIP End Water
PICS COMMENT: Fri Aug 27 20:12:29 GMT 1999
David modified the program, meanwhile, so that I could run the test
from the cmdtool window. Tested it and it works so test is proceeding.
PICS COMMENT: Fri Aug 27 20:23:30 GMT 1999
Ran from 14365 back to 15373. Running +1000 microns beyond old setting now.
PICS COMMENT: Fri Aug 27 20:37:19 GMT 1999
OK, ran thru micrometer settings. Focus on disk looked good between 15373 and
15573(approximate). I will try 3 more settings, approximately
15273, 15473, and 15673.... uh, maybe one more at 15873.
PICS COMMENT: Fri Aug 27 20:41:14 GMT 1999
pushed camera forward to new micrometer setting 15264 and will work back
again.
PICS COMMENT: Fri Aug 27 20:51:26 GMT 1999
OK, test is pau. Setting focus back close to where it was, securing
camera, replacing covers, and removing Hartman mask.
Fri Aug 27 21:01:16 GMT 1999 CHIP Bias
Fri Aug 27 21:02:14 GMT 1999 CHIP End Bias
Fri Aug 27 21:02:31 GMT 1999 CHIP Water
Fri Aug 27 21:03:17 GMT 1999 CHIP End Water
COMMENT: Fri Aug 27 21:06:36 GMT 1999
Jostled spar around putting covers back on PICS.
MKIII/MKIV and CHIP hourly images probably hosed.
PICS COMMENT: Fri Aug 27 21:07:41 GMT 1999
PICS back close to original focus. Focus at 15371.3
Fri Aug 27 21:08:56 GMT 1999 PICS Start Patrol
PICS COMMENT: Fri Aug 27 21:16:46 GMT 1999
Focus test images are stored on disk in Boulder with the micrometer
settings attached to the files. These will be analyzed there probably
using an IDL program to determine the best focus.
MKIV COMMENT: Fri Aug 27 21:34:36 GMT 1999
Stopped, doing an End Day to initialize the barrel and then resetting
the KCC to pick up latest version of David's software for test.
Fri Aug 27 21:39:08 GMT 1999 MKIV Start Patrol
MKIV COMMENT: Fri Aug 27 21:39:18 GMT 1999
Starting up Patrol with the new KCC software version.
MKIV PROBLEM: Fri Aug 27 21:42:41 GMT 1999
There were two radial dropouts on first pass. Access Fault occurred
after stop of first scan. Message follows:

```
send_time  
/local/d/Data/MkIII/21_39.rawmk3
```

```
Access Fault  
Program Counter: 0x00073380  
Status Register: 0x3004  
Access Address : 0x04040443
```

Special Status : 0x0125
Task: 0x398ae4 "Dalsa"
/local/d/Data/MkIV/21_39.rawmk4

MKIV PROBLEM
Fri Aug 27 21:44:11 GMT 1999
Barrel not starting up again.
MKIV PROBLEM
Fri Aug 27 21:47:04 GMT 1999
Downloaded the current version again, resetting KCC to pick it back up.
Fri Aug 27 21:50:53 GMT 1999 MKIV Start Patrol
MKIV COMMENT: Fri Aug 27 21:51:01 GMT 1999
barrel initialized, starting Patrol.
MKIV PROBLEM
Fri Aug 27 21:51:59 GMT 1999
Image is not being written to display. Queueing up Idle.

MKIV PROBLEM
Fri Aug 27 21:57:04 GMT 1999
No gif image on nahenahe either, just a dark screen. Scan did turn around
OK. Stopped at end correctly.
No image with last scan either.
Fri Aug 27 22:00:48 GMT 1999 CHIP Bias
Fri Aug 27 22:01:40 GMT 1999 CHIP End Bias
Fri Aug 27 22:01:50 GMT 1999 CHIP Water
Fri Aug 27 22:02:28 GMT 1999 CHIP End Water

MKIV PROBLEM
Fri Aug 27 22:04:00 GMT 1999
David had no clue as to what went wrong, we supposedly had the program
that was working loaded. Resetting KCC and trying again.

MKIV PROBLEM
Fri Aug 27 22:05:55 GMT 1999
Could a "4p" I typed in while cursor was in akamai window by mistake,
did not do a return because Messages were flying by at the time,
cause program to screw up???

Fri Aug 27 22:07:38 GMT 1999 MKIV Start Patrol

MKIV PROBLEM
Fri Aug 27 22:08:28 GMT 1999
KCC display is back. I almost did it again... mouse had moved cursor into
akamai window unbeknownst to me, and I started typing a log entry.
fortunately David has the system *IN USE* via rlogin. Nothing got
written to akamai window by that screw-up.

Fri Aug 27 22:11:26 GMT 1999 PICS End Patrol
Fri Aug 27 22:11:26 GMT 1999 PICS End Patrol
Fri Aug 27 22:12:43 GMT 1999 CHIP ending tape

COMMENT: Fri Aug 27 22:16:01 GMT 1999

Tapes

MKIV: 99-239

PICS: P01531

CHIP: C00907

LOWL: L00622 in drive 0

Fri Aug 27 22:21:24 GMT 1999

MkIII

16_44.rawmk3 18_04.rawmk3 19_39.rawmk3 20_31.rawmk3 21_23.rawmk3

| | | | | |
|--------------|--------------|--------------|--------------|---------------|
| 16_47.rawmk3 | 18_11.rawmk3 | 19_42.rawmk3 | 20_34.rawmk3 | 21_26.rawmk3 |
| 16_56.rawmk3 | 18_18.rawmk3 | 19_46.rawmk3 | 20_38.rawmk3 | 21_30.rawmk3 |
| 17_12.rawmk3 | 18_25.rawmk3 | 19_49.rawmk3 | 20_41.rawmk3 | 21_39.rawmk3 |
| 17_26.rawmk3 | 18_36.rawmk3 | 19_53.rawmk3 | 20_45.rawmk3 | 21_51.rawmk3 |
| 17_29.rawmk3 | 18_39.rawmk3 | 19_56.rawmk3 | 20_48.rawmk3 | 21_54.rawmk3 |
| 17_33.rawmk3 | 18_43.rawmk3 | 20_00.rawmk3 | 20_51.rawmk3 | 22_07.rawmk3 |
| 17_36.rawmk3 | 18_47.rawmk3 | 20_03.rawmk3 | 20_55.rawmk3 | 22_11.rawmk3 |
| 17_40.rawmk3 | 18_55.rawmk3 | 20_06.rawmk3 | 20_58.rawmk3 | c18_07.rawmk3 |
| 17_43.rawmk3 | 18_58.rawmk3 | 20_10.rawmk3 | 21_02.rawmk3 | c18_14.rawmk3 |
| 17_46.rawmk3 | 19_02.rawmk3 | 20_13.rawmk3 | 21_05.rawmk3 | c18_21.rawmk3 |
| 17_50.rawmk3 | 19_05.rawmk3 | 20_17.rawmk3 | 21_09.rawmk3 | |
| 17_53.rawmk3 | 19_28.rawmk3 | 20_20.rawmk3 | 21_12.rawmk3 | |
| 17_57.rawmk3 | 19_32.rawmk3 | 20_24.rawmk3 | 21_16.rawmk3 | |
| 18_00.rawmk3 | 19_35.rawmk3 | 20_27.rawmk3 | 21_19.rawmk3 | |