
Mauna Loa Solar Observatory Observer's Log

Fri Oct 1 16:31:33 GMT 1999

Year: 99 Doy: 274

Observer: yasukawa

WEATHER COMMENT: Fri Oct 1 16:34:09 GMT 1999

Cool, clear, light southeast wind.

Fri Oct 1 16:38:02 GMT 1999 CHIP Startup--Initializing new tape

Fri Oct 1 16:41:13 GMT 1999 PICS Start Patrol

Fri Oct 1 16:41:20 GMT 1999 MKIV Start Patrol

Fri Oct 1 16:41:29 GMT 1999 CHIP CHIP Start Patrol

Fri Oct 1 17:03:03 GMT 1999 CHIP Bias

Fri Oct 1 17:03:59 GMT 1999 CHIP End Bias

Fri Oct 1 17:04:16 GMT 1999 CHIP Water

Fri Oct 1 17:05:02 GMT 1999 CHIP End Water

Fri Oct 1 17:26:49 GMT 1999 MKIV End Patrol

Fri Oct 1 17:28:11 GMT 1999 MKIV Start Patrol

Fri Oct 1 17:47:39 GMT 1999 MKIV End Patrol

MKIV COMMENT: Fri Oct 1 17:51:40 GMT 1999

Paused to draw volcano display...which has replaced the load of bread.

It appears that the morning intensity is sufficiently high so that we

will not re-align optics, at least for now. Compared with

yesterday, the intensity dropped from 20000 to 17000 or 15%. This is

close enough to sky transmission for us not to correct it. Sky

reading was 1330 this morning, and about 1400 yesterday afternoon.

this is only 5%. Before the optical alignment we were seeing

a factor of 7 change at low heights and 2 at elevated heights.

Fri Oct 1 17:56:39 GMT 1999 MKIV Start Patrol

Fri Oct 1 18:00:33 GMT 1999 PICS Flat

**** EVENT COMMENT ****: Fri Oct 1 18:02:18 GMT 1999

EPL on southeast limb.

Fri Oct 1 18:03:01 GMT 1999 CHIP Bias

Fri Oct 1 18:03:13 GMT 1999 PICS End Flat

Fri Oct 1 18:04:06 GMT 1999 CHIP End Bias

Fri Oct 1 18:04:20 GMT 1999 CHIP Water

Fri Oct 1 18:05:07 GMT 1999 CHIP End Water

**** EVENT COMMENT ****: Fri Oct 1 18:05:49 GMT 1999

EPL or limbflare receding.

Fri Oct 1 18:23:46 GMT 1999 MKIV Start Patrol

Fri Oct 1 18:33:18 GMT 1999 MKIV Start Patrol

LOW-L PROBLEM: Fri Oct 1 18:59:28 GMT 1999

L00630 popped out of drive #1 at around 40+ files. Data began writing
to L00631 in drive #0. Cleaned drive #1 and loaded L00632.

Fri Oct 1 19:01:28 GMT 1999 PICS polarization_calibration

Fri Oct 1 19:03:08 GMT 1999 CHIP Bias

Fri Oct 1 19:04:19 GMT 1999 CHIP End Bias

Fri Oct 1 19:04:28 GMT 1999 CHIP Water

Fri Oct 1 19:05:14 GMT 1999 CHIP End Water
Fri Oct 1 19:15:25 GMT 1999 PICS End Patrol
COMMENT: Fri Oct 1 19:15:41 GMT 1999
Stopping for now to work on MKIV focus.
Fri Oct 1 19:17:35 GMT 1999 CHIP CHIP End Patrol
Fri Oct 1 19:18:49 GMT 1999 MKIV End Patrol
MKIV COMMENT: Fri Oct 1 21:36:49 GMT 1999
Removed rear cover to mangin mirror and adjusted mangin to improve focus
at slits. Measured depth of mirror from back of MKIV at 3 points using
screw holes as landmarks. Starting depths were:
#1 573 thousandths #2 565 thousandths #3 566 thousandths
Moved mangin forward. Ending depths were:
#1 485 thousandths #2 477 thousandths #3 482 thousandths

Mauna Loa Solar Observatory Observer's Log

Fri Oct 1 22:11:12 GMT 1999
Year: 99 Doy: 274
Observer: yasukawa
Fri Oct 1 22:24:15 GMT 1999 MKIV Start Patrol
MKIV COMMENT: Fri Oct 1 22:30:51 GMT 1999
Attempting to do some observations in cirrus to see if spatial resolution
has changed. It is really tough to see features, but it certainly
does not look less sharp. David
Fri Oct 1 22:36:53 GMT 1999 MKIV End Patrol
Fri Oct 1 22:44:14 GMT 1999 MKIV Start Patrol
Fri Oct 1 22:51:59 GMT 1999 MKIV End Patrol
Fri Oct 1 23:07:49 GMT 1999 MKIV Start Patrol
Fri Oct 1 23:36:22 GMT 1999 CHIP ending tape
COMMENT: Fri Oct 1 23:38:41 GMT 1999
Shut down observing systems for the day. David and Kim still working with MKIV.
COMMENT: Fri Oct 1 23:39:13 GMT 1999
Tapes:
MKIV: 99-274
PICS: P01563
CHIP: C00938
LOWL: L00630 in drive 1 and L00631 in drive 0
Fri Oct 1 23:42:00 GMT 1999
MkIII

Fri Oct 1 23:47:01 GMT 1999
MkIII

Fri Oct 1 23:47:18 GMT 1999
MkIII

Fri Oct 1 23:47:57 GMT 1999
MkIV

| | | | | |
|--------------|--------------|--------------|--------------|---------------|
| 16_41.rawmk4 | 17_20.rawmk4 | 18_20.rawmk4 | 19_02.rawmk4 | 22_44.rawmk4 |
| 16_44.rawmk4 | 17_23.rawmk4 | 18_23.rawmk4 | 19_05.rawmk4 | 22_47.rawmk4 |
| 16_47.rawmk4 | 17_28.rawmk4 | 18_27.rawmk4 | 19_09.rawmk4 | 23_07.rawmk4 |
| 16_51.rawmk4 | 17_31.rawmk4 | 18_33.rawmk4 | 19_12.rawmk4 | 23_12.rawmk4 |
| 16_54.rawmk4 | 17_34.rawmk4 | 18_36.rawmk4 | 19_15.rawmk4 | 23_15.rawmk4 |
| 16_57.rawmk4 | 17_38.rawmk4 | 18_39.rawmk4 | 22_11.rawmk4 | 23_18.rawmk4 |
| 17_00.rawmk4 | 17_41.rawmk4 | 18_43.rawmk4 | 22_14.rawmk4 | c18_03.rawmk4 |
| 17_04.rawmk4 | 17_44.rawmk4 | 18_46.rawmk4 | 22_17.rawmk4 | c18_10.rawmk4 |
| 17_07.rawmk4 | 17_56.rawmk4 | 18_49.rawmk4 | 22_24.rawmk4 | c18_17.rawmk4 |
| 17_10.rawmk4 | 18_00.rawmk4 | 18_52.rawmk4 | 22_27.rawmk4 | |
| 17_13.rawmk4 | 18_06.rawmk4 | 18_56.rawmk4 | 22_30.rawmk4 | |
| 17_17.rawmk4 | 18_13.rawmk4 | 18_59.rawmk4 | 22_33.rawmk4 | |