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--------------------------------------------------------------------------------
                Mauna Loa Solar Observatory Observer's Log
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          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 alignnment 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
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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 thousanths   #2  565 thousanths    #3  566 thousanths
Moved mangin forward.  Ending depths were:
#1  485 thousanths   #2  477 thousanths    #3  482 thousanths
-----------------------------------------------------------------------
                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
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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
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