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Mauna Loa Solar Observatory Observer's Log  
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Mon Nov 15 18:34:43 GMT 1999  
Year: 99 Doy: 319  
Observer: yasukawa  
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Mauna Loa Solar Observatory Observer's Log  
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Mon Nov 15 18:35:23 GMT 1999  
Year: 99 Doy: 319  
Observer: yasukawa  
WEATHER COMMENT: Mon Nov 15 18:35:36 GMT 1999

Cool, clear, light east breeze.

COMMENT: Mon Nov 15 18:35:54 GMT 1999

Late start, had to deliver kids to school before starting up this morning,  
no backup.

|                              |      |                                |
|------------------------------|------|--------------------------------|
| Mon Nov 15 18:36:29 GMT 1999 | CHIP | Startup--Initializing new tape |
| Mon Nov 15 18:42:47 GMT 1999 | MKIV | Start Patrol                   |
| Mon Nov 15 18:42:47 GMT 1999 | MKIV | Start Patrol                   |
| Mon Nov 15 18:43:18 GMT 1999 | CHIP | CHIP Start Patrol              |
| Mon Nov 15 18:43:20 GMT 1999 | PICS | Start Patrol                   |
| Mon Nov 15 19:02:11 GMT 1999 | CHIP | Bias                           |
| Mon Nov 15 19:03:22 GMT 1999 | CHIP | End Bias                       |
| Mon Nov 15 19:03:33 GMT 1999 | CHIP | Water                          |
| Mon Nov 15 19:04:18 GMT 1999 | CHIP | End Water                      |

GONG COMMENT: Mon Nov 15 19:31:10 GMT 1999

Going down to GONG to do the weekly PM.

**\*\*MKIV PROBLEM\*\***: Mon Nov 15 19:55:24 GMT 1999

Again (seen this on DOY 316) I am seeing an image rotation. 1947 UT  
.gif image appears to be rotated.

|                              |      |              |
|------------------------------|------|--------------|
| Mon Nov 15 20:01:59 GMT 1999 | CHIP | Gain         |
| Mon Nov 15 20:07:50 GMT 1999 | CHIP | End Gain     |
| Mon Nov 15 20:08:01 GMT 1999 | CHIP | Bias         |
| Mon Nov 15 20:08:59 GMT 1999 | CHIP | End Bias     |
| Mon Nov 15 20:09:21 GMT 1999 | CHIP | Water        |
| Mon Nov 15 20:10:08 GMT 1999 | CHIP | End Water    |
| Mon Nov 15 21:02:05 GMT 1999 | CHIP | Bias         |
| Mon Nov 15 21:03:26 GMT 1999 | CHIP | End Bias     |
| Mon Nov 15 21:03:45 GMT 1999 | CHIP | Water        |
| Mon Nov 15 21:04:35 GMT 1999 | CHIP | End Water    |
| Mon Nov 15 21:06:02 GMT 1999 | MKIV | Start Patrol |

**\*\*MKIV PROBLEM\*\***: Mon Nov 15 21:17:34 GMT 1999

David noticed that there was a problem with the images transferring from  
the KCC to nahenahe. He fixed it remotely and we have images now  
transferring.

COMMENT: Mon Nov 15 22:00:30 GMT 1999

**\*\*\*\* EVENT COMMENT \*\*\*\***: Mon Nov 15 22:00:36 GMT 1999

MERCURY transit about over, visible to me only on PICS disk image,  
planet is nearing limb.

Mon Nov 15 22:02:05 GMT 1999 CHIP Bias  
Mon Nov 15 22:03:07 GMT 1999 CHIP End Bias  
Mon Nov 15 22:03:22 GMT 1999 CHIP Water  
Mon Nov 15 22:04:11 GMT 1999 CHIP End Water  
Mon Nov 15 23:01:59 GMT 1999 CHIP Bias  
Mon Nov 15 23:03:02 GMT 1999 CHIP End Bias  
Mon Nov 15 23:03:17 GMT 1999 CHIP Water  
Mon Nov 15 23:04:07 GMT 1999 CHIP End Water  
COMMENT: Mon Nov 15 23:04:42 GMT 1999  
Declination reset, repointed and reset guider.  
Mon Nov 15 23:38:48 GMT 1999 PICS End Patrol  
Mon Nov 15 23:40:33 GMT 1999 CHIP CHIP End Patrol  
Mon Nov 15 23:41:14 GMT 1999 CHIP ending tape  
COMMENT: Mon Nov 15 23:44:21 GMT 1999

Tapes:

MKIV: 99-319

PICS: P01598

CHIP: C00973

LOWL: L00643 in drive #0

Mon Nov 15 23:48:21 GMT 1999

MkIV

|              |              |              |              |               |
|--------------|--------------|--------------|--------------|---------------|
| 00_15.rawmk4 | 20_30.rawmk4 | 21_38.rawmk4 | 22_23.rawmk4 | 23_07.rawmk4  |
| 06_39.rawmk4 | 20_36.rawmk4 | 21_41.rawmk4 | 22_26.rawmk4 | 23_10.rawmk4  |
| 11_15.rawmk4 | 20_39.rawmk4 | 21_44.rawmk4 | 22_29.rawmk4 | 23_13.rawmk4  |
| 18_42.rawmk4 | 20_58.rawmk4 | 21_47.rawmk4 | 22_32.rawmk4 | 23_16.rawmk4  |
| 18_48.rawmk4 | 21_06.rawmk4 | 21_50.rawmk4 | 22_34.rawmk4 | 23_19.rawmk4  |
| 18_51.rawmk4 | 21_08.rawmk4 | 21_53.rawmk4 | 22_37.rawmk4 | 23_22.rawmk4  |
| 19_00.rawmk4 | 21_11.rawmk4 | 21_56.rawmk4 | 22_40.rawmk4 | 23_25.rawmk4  |
| 19_10.rawmk4 | 21_14.rawmk4 | 21_59.rawmk4 | 22_43.rawmk4 | 23_28.rawmk4  |
| 19_16.rawmk4 | 21_17.rawmk4 | 22_02.rawmk4 | 22_46.rawmk4 | 23_31.rawmk4  |
| 19_41.rawmk4 | 21_20.rawmk4 | 22_05.rawmk4 | 22_49.rawmk4 | 23_34.rawmk4  |
| 19_44.rawmk4 | 21_23.rawmk4 | 22_08.rawmk4 | 22_52.rawmk4 | 23_37.rawmk4  |
| 19_47.rawmk4 | 21_26.rawmk4 | 22_11.rawmk4 | 22_55.rawmk4 | 99_11.rawmk4  |
| 19_53.rawmk4 | 21_29.rawmk4 | 22_14.rawmk4 | 22_58.rawmk4 | c11_15.rawmk4 |
| 20_11.rawmk4 | 21_32.rawmk4 | 22_17.rawmk4 | 23_01.rawmk4 | c19_19.rawmk4 |
| 20_24.rawmk4 | 21_35.rawmk4 | 22_20.rawmk4 | 23_04.rawmk4 |               |