
Mauna Loa Solar Observatory Observer's Log

Fri Sep 12 16:34:44 GMT 2003

Year: 03 Doy: 255

Observer: yasukawa

WEATHER COMMENT: Fri Sep 12 16:35:17 GMT 2003

Cool, clear, no wind.

Fri Sep 12 16:40:02 GMT 2003 CHIP Start Patrol

Fri Sep 12 16:40:13 GMT 2003 PICS Start Patrol

A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Fri Sep 12 16:43:51 GMT 2003

MKIV COMMENT: Fri Sep 12 17:05:31 GMT 2003

Mk4 has cleared the dome cylinder. Centering O1.

Fri Sep 12 17:06:46 GMT 2003 MKIV Start Patrol

PSPT COMMENT: Fri Sep 12 17:13:15 GMT 2003

Observing

**** EVENT COMMENT ****: Fri Sep 12 17:28:10 GMT 2003

Active region on southwest quadrant of disk.

MKIV COMMENT: Fri Sep 12 17:56:47 GMT 2003

Centered O1.

Fri Sep 12 18:00:02 GMT 2003 MKIV End Patrol

Fri Sep 12 18:00:13 GMT 2003 MKIV Start Cal

Fri Sep 12 18:01:43 GMT 2003 CHIP LSD

Fri Sep 12 18:03:36 GMT 2003 CHIP End LSD

Fri Sep 12 18:03:44 GMT 2003 CHIP BiasLSD

Fri Sep 12 18:04:06 GMT 2003 PICS Flat

Fri Sep 12 18:04:38 GMT 2003 CHIP End BiasLSD

Fri Sep 12 18:04:52 GMT 2003 CHIP Bias

Fri Sep 12 18:05:45 GMT 2003 CHIP End Bias

Fri Sep 12 18:06:35 GMT 2003 PICS End Flat

Fri Sep 12 18:18:58 GMT 2003 MKIV End Cal

Fri Sep 12 18:19:09 GMT 2003 MKIV Start Patrol

MKIV COMMENT: Fri Sep 12 19:03:18 GMT 2003

Centered O1.

PSPT PROBLEM: Fri Sep 12 19:19:18 GMT 2003

Crashed at 1910 UT making web image. Killed/restarted.

MKIV PROBLEM: Fri Sep 12 19:20:51 GMT 2003

Noting bright regions in NW and SE from around 1903 UT.

Investigating.

MKIV PROBLEM: Fri Sep 12 19:25:03 GMT 2003

O1 looks fairly clean, no large dust particles on it, sky looks clear.

I did not see any artifacts on the slots. Not sure what is causing the bright wings at this time.

MKIV COMMENT: Fri Sep 12 19:29:34 GMT 2003

Centered O1.

MKIV PROBLEM: Fri Sep 12 19:32:32 GMT 2003

Noticed after centering, N/S stepper is on a limit. Stopping to touch up guiding to take the O1 guider stepper off the limit.

COMMENT: Fri Sep 12 19:33:55 GMT 2003
Reconfiguring dome shutter at the same time.

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|------------------------------|------|--------------|
| Fri Sep 12 19:34:15 GMT 2003 | CHIP | End Patrol |
| Fri Sep 12 19:34:46 GMT 2003 | PICS | End Patrol |
| Fri Sep 12 19:42:09 GMT 2003 | CHIP | Start Patrol |
| Fri Sep 12 19:42:14 GMT 2003 | PICS | Start Patrol |
| Fri Sep 12 19:42:52 GMT 2003 | MKIV | Start Patrol |

MKIV COMMENT: Fri Sep 12 19:42:07 GMT 2003
Realigned spar guider N/S axis with O1 guider stepper range.

****MKIV PROBLEM****: Fri Sep 12 19:44:40 GMT 2003
Recentering O1 did not improve bright "artifacts". May be sky phenomenon.

****MKIV PROBLEM****: Fri Sep 12 20:02:23 GMT 2003
David suggested that the tilt plate might be hanging into the beam.
Inserted tilt plate the took it out at the scan turnaround. No change.

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|------------------------------|------|--------------|
| Fri Sep 12 20:06:50 GMT 2003 | MKIV | End Patrol |
| Fri Sep 12 20:13:19 GMT 2003 | MKIV | Start Patrol |

****MKIV PROBLEM****: Fri Sep 12 20:13:21 GMT 2003
Reinspected slots and O1. Attempted to dust off O1. Succeeded in removing a few particles and at the very least moving a few particles around to different locations.

****MKIV PROBLEM****: Fri Sep 12 20:15:13 GMT 2003
Got it! It was dust on the O1.

MKIV COMMENT: Fri Sep 12 20:42:45 GMT 2003
Centered O1.

****PICS PROBLEM****: Fri Sep 12 22:20:03 GMT 2003
Pics domed out while we were securing things on the roof.

WEATHER COMMENT: Fri Sep 12 22:28:39 GMT 2003
Orographic clouds starting to build up around station.

WEATHER COMMENT: Fri Sep 12 22:33:14 GMT 2003
In orographic clouds.

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|------------------------------|------|------------|
| Fri Sep 12 22:43:04 GMT 2003 | CHIP | End Patrol |
| Fri Sep 12 22:43:40 GMT 2003 | PICS | End Patrol |
| Fri Sep 12 22:46:27 GMT 2003 | MKIV | End Patrol |

COMMENT: Sat Sep 13 00:11:11 GMT 2003
Kim, Nelson, and Bill packed up the Goddard stuff and left the mountain.
Pier, Carrol spar, and shelter will remain on the roof in case they need to come back out and repeat the experiment after analyzing the data collected here and make modifications to the design.

WEATHER COMMENT: Sat Sep 13 00:46:05 GMT 2003
In thick fog.

COMMENT: Sat Sep 13 00:46:25 GMT 2003
Closing domes.

COMMENT: Sat Sep 13 01:19:33 GMT 2003
Finished putting things away and cleaning up the observatory.
Reapplied safety tape to floor over level changes.

Sat Sep 13 01:21:12 GMT 2003
MkIV

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| 17_15.rawmk4 | 18_30.rawmk4 | 19_42.rawmk4 | 20_54.rawmk4 | 21_59.rawmk4 |
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