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Mauna Loa Solar Observatory Observer's Log  
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Tue Dec 24 17:17:48 GMT 2002  
Year: 02 Doy: 358  
Observer: yasukawa  
WEATHER COMMENT: Tue Dec 24 17:18:19 GMT 2002  
Cool, clear, south wind.  
COMMENT: Tue Dec 24 17:18:32 GMT 2002  
Read HELCO meters on the way up this morning.  
Tue Dec 24 17:22:57 GMT 2002 PICS Start Patrol  
Tue Dec 24 17:23:51 GMT 2002 CHIP Start Patrol  
PSPT COMMENT: Tue Dec 24 17:32:08 GMT 2002  
Starting daily observations.  
Tue Dec 24 17:40:13 GMT 2002 MKIV Start Patrol  
MKIV COMMENT: Tue Dec 24 17:58:35 GMT 2002  
Centered O1, steppers OK.  
Tue Dec 24 18:02:20 GMT 2002 PICS Flat  
Tue Dec 24 18:03:01 GMT 2002 CHIP LSD  
Tue Dec 24 18:04:44 GMT 2002 CHIP End LSD  
Tue Dec 24 18:04:48 GMT 2002 PICS End Flat  
Tue Dec 24 18:05:01 GMT 2002 CHIP BiasLSD  
Tue Dec 24 18:05:51 GMT 2002 CHIP End BiasLSD  
Tue Dec 24 18:06:06 GMT 2002 CHIP Bias  
Tue Dec 24 18:06:47 GMT 2002 CHIP End Bias  
GONG COMMENT: Tue Dec 24 18:19:28 GMT 2002  
Going down to GONG to do weekly PM.  
Tue Dec 24 18:21:46 GMT 2002 MKIV End Patrol  
Tue Dec 24 18:21:58 GMT 2002 MKIV Start Cal  
Tue Dec 24 18:40:48 GMT 2002 MKIV End Cal  
Tue Dec 24 18:41:00 GMT 2002 MKIV Start Patrol  
GONG COMMENT: Tue Dec 24 19:09:44 GMT 2002  
Back from GONG.  
MKIV COMMENT: Tue Dec 24 19:11:05 GMT 2002  
Centered O1, steppers OK.  
COMMENT: Tue Dec 24 20:32:33 GMT 2002  
Lost guiding due to declination reset. Repointed spar and reset guider.  
MKIV COMMENT: Tue Dec 24 20:48:08 GMT 2002  
Centered O1, steppers OK.  
Tue Dec 24 21:59:37 GMT 2002 CHIP End Patrol  
Tue Dec 24 22:04:36 GMT 2002 PICS End Patrol  
Tue Dec 24 22:06:55 GMT 2002

MkIV

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| 17_40.rawmk4 | 18_43.rawmk4 | 19_36.rawmk4 | 20_29.rawmk4 | 21_25.rawmk4 |
| 17_43.rawmk4 | 18_46.rawmk4 | 19_39.rawmk4 | 20_32.rawmk4 | 21_29.rawmk4 |
| 17_46.rawmk4 | 18_49.rawmk4 | 19_42.rawmk4 | 20_35.rawmk4 | 21_32.rawmk4 |
| 17_49.rawmk4 | 18_52.rawmk4 | 19_45.rawmk4 | 20_38.rawmk4 | 21_35.rawmk4 |

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|--------------|--------------|--------------|--------------|---------------|
| 17_52.rawmk4 | 18_55.rawmk4 | 19_48.rawmk4 | 20_41.rawmk4 | 21_38.rawmk4  |
| 17_55.rawmk4 | 18_58.rawmk4 | 19_51.rawmk4 | 20_44.rawmk4 | 21_41.rawmk4  |
| 17_57.rawmk4 | 19_01.rawmk4 | 19_54.rawmk4 | 20_47.rawmk4 | 21_44.rawmk4  |
| 18_00.rawmk4 | 19_04.rawmk4 | 19_57.rawmk4 | 20_50.rawmk4 | 21_47.rawmk4  |
| 18_03.rawmk4 | 19_07.rawmk4 | 20_00.rawmk4 | 20_53.rawmk4 | 21_50.rawmk4  |
| 18_06.rawmk4 | 19_10.rawmk4 | 20_03.rawmk4 | 20_56.rawmk4 | 21_53.rawmk4  |
| 18_09.rawmk4 | 19_13.rawmk4 | 20_06.rawmk4 | 20_59.rawmk4 | 21_55.rawmk4  |
| 18_12.rawmk4 | 19_16.rawmk4 | 20_09.rawmk4 | 21_02.rawmk4 | 21_58.rawmk4  |
| 18_15.rawmk4 | 19_19.rawmk4 | 20_12.rawmk4 | 21_05.rawmk4 | c18_21.rawmk4 |
| 18_18.rawmk4 | 19_22.rawmk4 | 20_15.rawmk4 | 21_08.rawmk4 | c18_28.rawmk4 |
| 18_25.rawmk4 | 19_25.rawmk4 | 20_18.rawmk4 | 21_10.rawmk4 | c18_34.rawmk4 |
| 18_31.rawmk4 | 19_28.rawmk4 | 20_21.rawmk4 | 21_13.rawmk4 |               |
| 18_37.rawmk4 | 19_31.rawmk4 | 20_23.rawmk4 | 21_16.rawmk4 |               |
| 18_41.rawmk4 | 19_33.rawmk4 | 20_26.rawmk4 | 21_19.rawmk4 |               |