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Mauna Loa Solar Observatory Observer's Log  
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Sat Dec 4 17:09:38 GMT 2004

Year: 04 Doy: 339

Observer: stueben

WEATHER COMMENT: Sat Dec 4 17:18:15 GMT 2004

Clear, wind southeast 15-20 mph, temp 45F.

\_\_\_\_end\_\_\_\_

Sat Dec 4 17:19:23 GMT 2004 CHIP Start Patrol

Sat Dec 4 17:19:45 GMT 2004 PICS Start Patrol

ECHO COMMENT: Sat Dec 4 17:22:37 GMT 2004

Time OK.

\_\_\_\_end\_\_\_\_

Sat Dec 4 17:38:13 GMT 2004 MKIV Start Patrol

PSPT COMMENT: Sat Dec 4 17:38:41 GMT 2004

Observing.

\_\_\_\_end\_\_\_\_

MKIV COMMENT: Sat Dec 4 17:47:14 GMT 2004

Centered 01 guider.

\_\_\_\_end\_\_\_\_

Sat Dec 4 18:01:58 GMT 2004 CHIP LSD

Sat Dec 4 18:02:32 GMT 2004 PICS Flat

Sat Dec 4 18:03:58 GMT 2004 CHIP End LSD

Sat Dec 4 18:04:07 GMT 2004 CHIP BiasLSD

Sat Dec 4 18:05:00 GMT 2004 CHIP End BiasLSD

Sat Dec 4 18:05:06 GMT 2004 PICS End Flat

Sat Dec 4 18:05:16 GMT 2004 CHIP Bias

Sat Dec 4 18:05:18 GMT 2004 PICS ReStart Patrol

Sat Dec 4 18:06:14 GMT 2004 CHIP End Bias

Sat Dec 4 18:06:22 GMT 2004 CHIP ReStart Patrol

MKIV COMMENT: Sat Dec 4 18:36:11 GMT 2004

Centered 01 guider.

\_\_\_\_end\_\_\_\_

Sat Dec 4 18:37:32 GMT 2004 MKIV End Patrol

Sat Dec 4 18:37:38 GMT 2004 MKIV Start Cal

Sat Dec 4 18:57:00 GMT 2004 MKIV End Cal

MKIV COMMENT: Sat Dec 4 19:59:52 GMT 2004

Centered 01 guider.

\_\_\_\_end\_\_\_\_

Sat Dec 4 20:07:14 GMT 2004 CHIP End Patrol

Sat Dec 4 20:07:28 GMT 2004 PICS End Patrol

Sat Dec 4 20:34:00 GMT 2004 CHIP Start Patrol

Sat Dec 4 20:34:33 GMT 2004 MKIV Start Patrol

COMMENT: Sat Dec 4 20:41:57 GMT 2004

Stopped instruments to remove old 01 guider and install new one. Running new 01 guider in manual start/stop mode.

\_\_\_\_end\_\_\_\_

Sat Dec 4 21:10:58 GMT 2004 CHIP End Patrol  
Sat Dec 4 21:13:27 GMT 2004 PICS Start Patrol  
Sat Dec 4 21:14:53 GMT 2004 PICS End Patrol  
Sat Dec 4 21:16:00 GMT 2004 MKIV End Patrol  
Sat Dec 4 21:28:04 GMT 2004 MKIV Start Patrol  
Sat Dec 4 21:28:24 GMT 2004 CHIP Start Patrol  
Sat Dec 4 21:28:39 GMT 2004 PICS Start Patrol  
COMMENT: Sat Dec 4 21:31:43 GMT 2004  
Swapped old 01 guider back in after a period of testing new one. Still have a  
problem with Y axis, error input is max negative regardless of axis position.

\_\_\_\_end\_\_\_\_  
Sat Dec 4 22:14:56 GMT 2004 CHIP End Patrol  
Sat Dec 4 22:15:39 GMT 2004 CHIP Start Patrol  
MKIV COMMENT: Sat Dec 4 22:41:41 GMT 2004  
Centered 01 guider.

\_\_\_\_end\_\_\_\_  
NICE CHIP IMAGE: 1912  
NICE PICSDISC IMAGE: 1911  
NICE PICSLIMB IMAGE: 1912  
NICE MK4 IMAGE: 1909  
MKIV COMMENT: Sun Dec 5 01:00:30 GMT 2004  
Centered 01 guider.

\_\_\_\_end\_\_\_\_  
COMMENT: Sun Dec 5 02:16:16 GMT 2004  
Dec axis reset, repointed spar.

\_\_\_\_end\_\_\_\_  
Sun Dec 5 02:28:51 GMT 2004 MKIV End Patrol  
Sun Dec 5 02:28:36 GMT 2004 CHIP End Patrol  
Sun Dec 5 02:30:05 GMT 2004 PICS End Patrol  
Sun Dec 5 02:32:54 GMT 2004  
MkIV

00_01.rawmk4	01_38.rawmk4	18_25.rawmk4	20_43.rawmk4	22_32.rawmk4
00_04.rawmk4	01_41.rawmk4	18_28.rawmk4	20_46.rawmk4	22_35.rawmk4
00_07.rawmk4	01_44.rawmk4	18_31.rawmk4	20_49.rawmk4	22_38.rawmk4
00_10.rawmk4	01_47.rawmk4	18_34.rawmk4	20_52.rawmk4	22_41.rawmk4
00_13.rawmk4	01_50.rawmk4	18_40.rawmk4	20_55.rawmk4	22_44.rawmk4
00_16.rawmk4	01_53.rawmk4	18_46.rawmk4	20_58.rawmk4	22_47.rawmk4
00_19.rawmk4	01_56.rawmk4	18_57.rawmk4	21_01.rawmk4	22_50.rawmk4
00_22.rawmk4	01_59.rawmk4	19_00.rawmk4	21_04.rawmk4	22_53.rawmk4
00_25.rawmk4	02_02.rawmk4	19_03.rawmk4	21_06.rawmk4	22_56.rawmk4
00_28.rawmk4	02_05.rawmk4	19_06.rawmk4	21_09.rawmk4	22_59.rawmk4
00_31.rawmk4	02_07.rawmk4	19_09.rawmk4	21_12.rawmk4	23_02.rawmk4
00_34.rawmk4	02_10.rawmk4	19_12.rawmk4	21_28.rawmk4	23_05.rawmk4
00_36.rawmk4	02_13.rawmk4	19_15.rawmk4	21_31.rawmk4	23_07.rawmk4
00_39.rawmk4	02_16.rawmk4	19_18.rawmk4	21_34.rawmk4	23_10.rawmk4
00_42.rawmk4	02_19.rawmk4	19_21.rawmk4	21_36.rawmk4	23_13.rawmk4
00_45.rawmk4	02_22.rawmk4	19_24.rawmk4	21_39.rawmk4	23_16.rawmk4

00_48.rawmk4	02_25.rawmk4	19_27.rawmk4	21_42.rawmk4	23_19.rawmk4
00_51.rawmk4	17_38.rawmk4	19_30.rawmk4	21_45.rawmk4	23_22.rawmk4
00_54.rawmk4	17_41.rawmk4	19_33.rawmk4	21_48.rawmk4	23_25.rawmk4
00_57.rawmk4	17_44.rawmk4	19_36.rawmk4	21_51.rawmk4	23_28.rawmk4
01_00.rawmk4	17_47.rawmk4	19_39.rawmk4	21_54.rawmk4	23_31.rawmk4
01_03.rawmk4	17_50.rawmk4	19_41.rawmk4	21_57.rawmk4	23_34.rawmk4
01_06.rawmk4	17_53.rawmk4	19_44.rawmk4	22_00.rawmk4	23_37.rawmk4
01_09.rawmk4	17_55.rawmk4	19_47.rawmk4	22_03.rawmk4	23_40.rawmk4
01_12.rawmk4	17_58.rawmk4	19_50.rawmk4	22_06.rawmk4	23_43.rawmk4
01_15.rawmk4	18_01.rawmk4	19_53.rawmk4	22_09.rawmk4	23_49.rawmk4
01_18.rawmk4	18_04.rawmk4	19_56.rawmk4	22_12.rawmk4	23_52.rawmk4
01_20.rawmk4	18_07.rawmk4	19_59.rawmk4	22_15.rawmk4	23_55.rawmk4
01_23.rawmk4	18_10.rawmk4	20_02.rawmk4	22_18.rawmk4	23_58.rawmk4
01_26.rawmk4	18_13.rawmk4	20_05.rawmk4	22_21.rawmk4	c18_37.rawmk4
01_29.rawmk4	18_16.rawmk4	20_34.rawmk4	22_23.rawmk4	c18_43.rawmk4
01_32.rawmk4	18_19.rawmk4	20_37.rawmk4	22_26.rawmk4	c18_49.rawmk4
01_35.rawmk4	18_22.rawmk4	20_40.rawmk4	22_29.rawmk4	