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                  Mauna Loa Solar Observatory Observer's Log
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          Wed Mar 15 17:09:02 GMT 2000
Year: 00  Doy: 075
Observer: koon
WEATHER COMMENT: Wed Mar 15 17:09:25 GMT 2000
Clear sky, wind=10 mph from the SE, temp=42 F.
Wed Mar 15 17:10:08 GMT 2000    CHIP    Startup--Initializing new tape
Wed Mar 15 17:14:01 GMT 2000    MKIV    Start Patrol
Wed Mar 15 17:14:07 GMT 2000    CHIP    CHIP Start 7 Passband Patrol
Wed Mar 15 17:14:07 GMT 2000    CHIP    CHIP Start 7 Passband Patrol
Wed Mar 15 18:00:31 GMT 2000    PICS    Flat
Wed Mar 15 18:03:10 GMT 2000    PICS    End Flat
**PSPT PROBLEM**: Wed Mar 15 18:39:54 GMT 2000
Judging from the recent focus problems it looks like the stepper motor
for the focus stage may be missing steps, the limit switches are being
activated at perceived positions of 52 rather than 10 where it should
happen, and sticky positions have been observed.  I'm trying to figure
out how to get access to the focus stage so that I can check the
operation.  That assembly is hidden behind a combination of unmovable
structure and a tangle of plates.  The drawings help but don't detail
everything involved.
**PSPT PROBLEM**: Wed Mar 15 18:49:26 GMT 2000
The focus stage drawing shows a cantilevered lens mount that relies on
a teflon "glide ring" concentric to the lens for smooth operation.  I
don't understand why there should be any contact there near the lens,
especially since the mount is cantilevered.  There is a second ring
at the front of the assembly too.  It is designed to prevent light
leaks but there may be a better way of doing it.
Wed Mar 15 20:02:15 GMT 2000    CHIP    Gain7
Wed Mar 15 20:10:40 GMT 2000    CHIP    End Gain
Wed Mar 15 20:10:58 GMT 2000    CHIP    Bias
Wed Mar 15 20:12:08 GMT 2000    CHIP    End Bias
**PSPT PROBLEM**: Wed Mar 15 21:18:44 GMT 2000
After thoroughly checking the drawings and instrument I can't find a way
to gain access to the focus stage assembly in order to test it for
how well it functions and to improve the function without removing most
or all of the secondary optics package.  Do you know of a faster and safer
way Haosheng?  For now I will run the telescope as is and see if Haosheng's
code change eliminates the problem, he was going to eliminate the
focus sequence from the routine to lessen the usage of the focus stage.
COMMENT: Wed Mar 15 21:44:11 GMT 2000
Extended the dome slot.
**LOW-L PROBLEM**: Wed Mar 15 21:48:37 GMT 2000
L00677 popped out of drive #0 early, replaced it with L00679.
Wed Mar 15 22:10:02 GMT 2000    CHIP    CHIP End Patrol
Wed Mar 15 22:10:24 GMT 2000    PICS    End Patrol
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Wed Mar 15 22:11:36 GMT 2000     CHIP      ending tape
COMMENT: Wed Mar 15 22:17:31 GMT 2000


TAPES:
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MKIV: 00-075
CHIP: C01074
PICS: P01694
LOWL: L00677 in drive #0 and L00678 in drive #1

Wed Mar 15 22:19:07 GMT 2000
        MkIV


17_14.rawmk4    18_22.rawmk4    19_22.rawmk4    20_21.rawmk4    21_20.rawmk4
17_17.rawmk4    18_26.rawmk4    19_25.rawmk4    20_24.rawmk4    21_23.rawmk4
17_20.rawmk4    18_29.rawmk4    19_28.rawmk4    20_27.rawmk4    21_26.rawmk4
17_23.rawmk4    18_32.rawmk4    19_31.rawmk4    20_30.rawmk4    21_29.rawmk4
17_25.rawmk4    18_34.rawmk4    19_34.rawmk4    20_33.rawmk4    21_32.rawmk4
17_28.rawmk4    18_37.rawmk4    19_37.rawmk4    20_36.rawmk4    21_35.rawmk4
17_31.rawmk4    18_40.rawmk4    19_40.rawmk4    20_39.rawmk4    21_38.rawmk4
17_34.rawmk4    18_43.rawmk4    19_43.rawmk4    20_42.rawmk4    21_41.rawmk4
17_37.rawmk4    18_46.rawmk4    19_46.rawmk4    20_45.rawmk4    21_44.rawmk4
17_40.rawmk4    18_49.rawmk4    19_49.rawmk4    20_48.rawmk4    21_47.rawmk4
17_43.rawmk4    18_52.rawmk4    19_51.rawmk4    20_51.rawmk4    21_50.rawmk4
17_46.rawmk4    18_55.rawmk4    19_54.rawmk4    20_54.rawmk4    21_53.rawmk4
17_49.rawmk4    18_58.rawmk4    19_57.rawmk4    20_57.rawmk4    21_56.rawmk4
17_52.rawmk4    19_01.rawmk4    20_00.rawmk4    21_00.rawmk4    21_59.rawmk4
17_55.rawmk4    19_04.rawmk4    20_03.rawmk4    21_03.rawmk4    22_02.rawmk4
17_58.rawmk4    19_07.rawmk4    20_06.rawmk4    21_06.rawmk4    22_05.rawmk4
18_01.rawmk4    19_10.rawmk4    20_09.rawmk4    21_09.rawmk4    22_08.rawmk4
18_04.rawmk4    19_13.rawmk4    20_12.rawmk4    21_11.rawmk4    c18_07.rawmk4
18_10.rawmk4    19_16.rawmk4    20_15.rawmk4    21_14.rawmk4    c18_13.rawmk4
18_16.rawmk4    19_19.rawmk4    20_18.rawmk4    21_17.rawmk4    c18_19.rawmk4
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