
Mauna Loa Solar Observatory Observer's Log

Wed Jul 1 16:29:52 GMT 2015
Year: 15 Doy: 182
Observer: berkey
WEATHER COMMENT: berkey: Wed Jul 01 16:33:26 GMT 2015
Temp: 39.5f, Humidity: 35%, Pressure: 28.706in, Wind: 5mph from the south east , Skies: clear with a slight haze due to lack of inversion layer. Looks like we must have had a lot of rain last night due to ponding and run off on the road.
___end___
Wed Jul 01 16:55:50 GMT 2015 COMP Start Patrol
KCOR COMMENT BY berkey: Wed Jul 01 17:03:54 GMT 2015
T- beam focus looks horrible this morning. I think we may be having an issue with the camera focus stage having some problems with the motion at that it extreme front of it s range. To fix this I think should move the the stage forward (toward to the beam sp litter) so we can back the focus to the middle of its range.
___end___
Wed Jul 01 17:09:24 GMT 2015 KCOR Start Synoptic Patrol
Wed Jul 01 17:16:42 GMT 2015 KCOR End Patrol
KCOR COMMENT BY berkey: Wed Jul 01 18:35:49 GMT 2015
Taking some flat data to characterize camera linearity response.
Spar is tracking the sun, diffuser is in the beam, normal LUTs are applied,

1 msec test 17:21:48->17:24:07
.1 msec test 17:24:02->17:27:51
.2 msec test 17:28:26->17:30:45
.3 msec test 17:31:31->17:34:04
.4 msec test 17:34:51->17:38:40
.5 msec test 17:39:41->17:42:15
.6 msec test 17:43:40->17:46:14
.7 msec test 17:47:27->17:50:16
.8 msec test 17:50:54->17:53:58
.9 msec test 17:55:02->17:58:51
1 msec test 17:59:39->18:02:28
1.1 msec test 18:03:14->18:05:32
1.5 msec test 18:06:17->18:08:51
2 msec test 18:09:41->18:12:00
2.5 msec test 18:12:44->18:15:03
3 msec test 18:15:48->18:18:36
3.5 msec test 18:19:22->18:21:56
4 msec test 18:22:37->18:24:55
4.5 msec test 18:25:35->18:27:39
5 msec test 18:28:33->18:30:37
1 msec test 18:32:05->18:34:54

Lots of dropped frames on camera 0. At various times.

___end___
Wed Jul 01 18:39:36 GMT 2015 KCOR Start Synoptic Patrol
Wed Jul 01 19:25:48 GMT 2015 KCOR End Patrol
Wed Jul 01 20:05:41 GMT 2015 COMP End Patrol
KCOR COMMENT BY berkey: Wed Jul 01 22:35:38 GMT 2015
Did another focus adjustment on the camera stages.

The T-cam stage was moved .15" with the gauge blocks forward to bring the focus stage b ack ~.15" such that it will be more centered in its range of travel.

Using the distortion grid we peaked up tip/tilt focus on both cameras. If we weren't m aking in silly mistakes both cameras should look a lot better when we go back on sky. We did find we were never able to get the south side of the T-cam focus to come into al ignment. Perhaps this suggests some of the camera lenses are misaligned; if so we will have to send to aft-optics to Boulder for realignment. :(

___end___
GENERAL COMMENT BY berkey: Wed Jul 01 22:36:17 GMT 2015
Its been blowing since about the time we stopped CoMP this morning.
___end___
KCOR COMMENT BY berkey: Wed Jul 01 22:54:15 GMT 2015
Taking dark data to match the flats taken this morning.

1 msec test data 22:46:00->22:48:04
.1 msec test data 22:48:51->22:50:39
.2 msec test data 22:51:27->22:53:16
.3 msec test data 22:54:
___end___
GENERAL OBSERVATORY COMMENT BY berkey: Wed Jul 1 23:44:24 GMT 2015
It just got really dark in here. Fog must be getting heavier.
___end___
KCOR COMMENT BY berkey: Wed Jul 01 23:49:39 GMT 2015
Taking dark data to match the flats taken this morning.

1 msec dark data 22:46:00->22:48:04
.1 msec dark data 22:48:51->22:50:39
.2 msec dark data 22:51:27->22:53:16
.3 msec dark data 22:53:55->22:55:43
.4 msec dark data 22:56:47->22:58:20
.5 msec dark data 22:59:33->23:01:21
.6 msec dark data 23:02:14->23:04:33
.7 msec dark data 23:05:28->23:07:31
.8 msec dark data 23:08:19->23:10:07
.9 msec dark data 23:11:07->23:13:26
1 msec dark data 23:14:11->23:15:59
1.1 msec dark data 23:17:21->23:18:52
1.5 msec dark data 23:19:51->23:22:25
2 msec dark data 23:23:10->23:25:43
2.5 msec dark data 23:26:38->23:28:57
3 msec dark data 23:29:46->23:32:35
3.5 msec dark data 23:33:59->23:36:03
4 msec dark data 23:36:57->23:39:01
4.5 msec dark data 23:40:04->23:41:52
5. msec dark data 23:42:56->23:45:30
1 msec dark data 23:45:33->23:49:07

Lots of dropped frames.
___end___