
Mauna Loa Solar Observatory Observer's Log

Mon Dec 9 17:10:21 GMT 2013

Year: 13 Doy: 343

Observer: berkey

WEATHER COMMENT: berkey: Mon Dec 9 17:10:23 GMT 2013

temp 39f, wind 10mph from the south, skies clear, icy on the road above 9,500ft and cover board walks

____end____

Mon Dec 9 17:17:16 GMT 2013: PSPT Start Patrol

Mon Dec 09 17:21:30 GMT 2013 COMP Start Patrol

Mon Dec 09 18:05:10 GMT 2013 KCOR Start Synoptic Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Mon Dec 9 18:12:44 GMT 2013

just saw some cirrus in the k-cor data. but it was not seen in comp

____end____

Mon Dec 09 19:05:38 GMT 2013 KCOR End Patrol

Mon Dec 09 19:05:40 GMT 2013 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg.ini

Mon Dec 09 19:21:38 GMT 2013 KCOR End Calibration Script

Mon Dec 09 19:21:54 GMT 2013 KCOR Start Synoptic Patrol

Mon Dec 09 19:21:54 GMT 2013 KCOR Start Synoptic Patrol

Mon Dec 09 19:38:20 GMT 2013 KCOR End Patrol

Mon Dec 09 19:40:06 GMT 2013 COMP End Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Mon Dec 9 19:38:56 GMT 2013

CLOUDS in the data again, idling comp, shabar and kcor

____end____

Mon Dec 09 19:46:03 GMT 2013 COMP Start Patrol

Mon Dec 09 20:02:13 GMT 2013 COMP End Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Mon Dec 9 20:04:07 GMT 2013

Look like some activity in the k corona between 18 and 19:20 UT around PA:50. An enhancement in the corona that I believe
d to be the precursor to a CME, starts to disappear and fade by 19:05 ut.

____end____

Mon Dec 09 20:27:39 GMT 2013 COMP Start Patrol

Mon Dec 09 20:32:44 GMT 2013 KCOR Start Synoptic Patrol

Mon Dec 09 20:46:10 GMT 2013 KCOR End Patrol

Mon Dec 09 20:47:09 GMT 2013 COMP End Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Mon Dec 9 20:47:05 GMT 2013

Contractors are here inspecting building.

____end____

GENERAL OBSERVATORY COMMENT BY berkey: Mon Dec 9 20:47:22 GMT 2013

Idling shabar, comp and kcor for clouds.

____end____

Mon Dec 9 21:35:53 GMT 2013: PSPT Abort Patrol

Mon Dec 9 21:35:57 GMT 2013: PSPT Abort Patrol

Mon Dec 9 21:36:01 GMT 2013 GENERAL OBSERVATORY COMMENT BY berkey: Mon Dec 9 21:35:57 GMT 2013

Closing both domes for fog

____end____

: PSPT Abort Patrol

KCOR COMMENT BY berkey: Tue Dec 10 01:09:59 GMT 2013

Removed kcor field lens for cleaning.

Initial inspection showed no smuges, but fine dust particles scattered across the surface with a few larger ones. After an initial attempt to clean with 91% isopropal alchoal I found it impossible to work with the lens inside its mount

With direction from Dennis the field lens was removed from the mount and washed down with soap and water in a similar fashion to O1 cleaning. I found a ring of residue/particles/material? that seemed to be just around the edge of the occulter.

I believe that leaking disk light has somehow slightly damaged the field lens coating making it more susceptible to collecting dust and harder to clean.

I have now cleaned the field lens to the best of my ability given the tools on hand. There are still a few identifiable dust spots but as far as I can tell the small particles have been removed. I think with lint/dust free wipers and a flow booth the procedure could be improved.

____end____