
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 9 17:21:30 GMT 2013 COMP Start Patrol

Mon Dec 9 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 9 19:05:38 GMT 2013 KCOR End Patrol

Mon Dec 9 19:05:40 GMT 2013 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg.ini

Mon Dec 9 19:21:38 GMT 2013 KCOR End Calibration Script

Mon Dec 9 19:21:54 GMT 2013 KCOR Start Synoptic Patrol

Mon Dec 9 19:21:54 GMT 2013 KCOR Start Synoptic Patrol

Mon Dec 9 19:38:20 GMT 2013 KCOR End Patrol

Mon Dec 9 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 9 19:46:03 GMT 2013 COMP Start Patrol

Mon Dec 9 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 believed to be the precursor to a CME, starts to disappear and fade by 19:05 ut.

____end____

Mon Dec 9 20:27:39 GMT 2013 COMP Start Patrol

Mon Dec 9 20:32:44 GMT 2013 KCOR Start Synoptic Patrol

Mon Dec 9 20:46:10 GMT 2013 KCOR End Patrol

Mon Dec 9 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% isopropyl alcohol 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__