
Mauna Loa Solar Observatory Observer's Log

Wed Feb 12 17:13:10 GMT 2020
Year: 20 Doy: 043
Observer: berkey
WEATHER COMMENT: berkey: Wed Feb 12 17:15:22 GMT 2020
Temp: 30.9f, Humidity: 66%, Pressure: 28.623in, Wind: 1mph from 116degs, Skies: overcast to the east. Some ice/snow on th
road for the last 2 miles. T-storms in Hilo.
___end___
GPS COMMENT by MLSO: Wed Feb 12 21:45:07 GMT 2020
Successfully logged in to system
Good disk mount
GPS software running
Last 5 GPS data files are:
dataoutiq_2020_038_2226.bin 2147483647
dataoutiq_2020_039_2226.bin 2147483647
dataoutiq_2020_040_2226.bin 2147483647
dataoutiq_2020_041_2145.bin 2147483647
dataoutiq_2020_042_2145.bin 2147483647
___end___
GENERAL COMMENT BY berkey: Thu Feb 13 22:35:15 GMT 2020
PM Blew off Kcor O1 and opened windows up stairs.
___end___
Wed Feb 12 22:40:35 GMT 2020 SGS Alignment complete
Wed Feb 12 22:41:28 GMT 2020 Kcor Focus/alignment program exited
GENERAL COMMENT BY berkey: Wed Feb 12 22:54:06 GMT 2020
Had the dome rotator set to run the wrong way so we drove the dome into the beam intead of away when the edge was detected
.
___end___
Wed Feb 12 23:51:07 GMT 2020 KCOR Start Synoptic Patrol
GENERAL COMMENT BY berkey: Thu Feb 13 00:13:16 GMT 2020
Interesting loop near PA 300
___end___
Thu Feb 13 00:25:55 GMT 2020 KCOR End Patrol
Thu Feb 13 00:26:00 GMT 2020 KCOR End Patrol
GENERAL COMMENT BY berkey: Thu Feb 13 00:38:33 GMT 2020
Added som aeronet data to the wahoo (TV monitor) weather. charts display.

The aeronet sensors while live on cement pad on the west side of the board walk. Measure aerosols which I think could co
relate to kcor profomance. The nasa aeronet processing pipeline takes ~30 minutes to update the graphs so these are not
helpful in realtime decision making but there does seem to be a corelation between the AOD values and aerosols in Kcor.
So I would like to try and get a better feel for what kind of aeosols optical depth we need to make kcor happy, and which
wavelenghts are the most important for this.

The graph on the left L1 shows all the aersol data for the day. The L1.5 graph passes his data thru a cloud fiter and onl
y plots data plots "clear" skies. Today for example we had heavy overcast in the morning with AOD values of about 2.5 an
d coronal skies in the afternoon of ~.02-1. With the L1 scaling the afternoon measurments just look like noise around 0.

But wih the L1.5 gateing of clouds he graph fails to show a window of clouds that came aound 23UT.
___end___
Thu Feb 13 00:38:39 GMT 2020 KCOR Start Synoptic Patrol
Thu Feb 13 00:39:04 GMT 2020 KCOR End Patrol
Thu Feb 13 00:39:05 GMT 2020 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini
KCOR COMMENT BY berkey: Thu Feb 13 00:52:38 GMT 2020
Clouds passed thru the calibations ~00:50 UT
___end___
Thu Feb 13 00:54:19 GMT 2020 KCOR End Calibration Script
Thu Feb 13 00:54:36 GMT 2020 KCOR Start Synoptic Patrol
Thu Feb 13 00:54:36 GMT 2020 KCOR Start Synoptic Patrol
Thu Feb 13 01:01:29 GMT 2020 KCOR End Patrol
GENERAL COMMENT BY berkey: Thu Feb 13 01:03:18 GMT 2020
The clouds that block disruppted the cals, was actualy a snow flury blowing down the hill. Got the dome just before the snow got here.
___end___
GENERAL COMMENT BY berkey: Thu Feb 13 01:27:04 GMT 2020
Swapped out the French Trimble COSMIC gps unit per request from Jan.
___end___
ONSITE STAFF: berkey