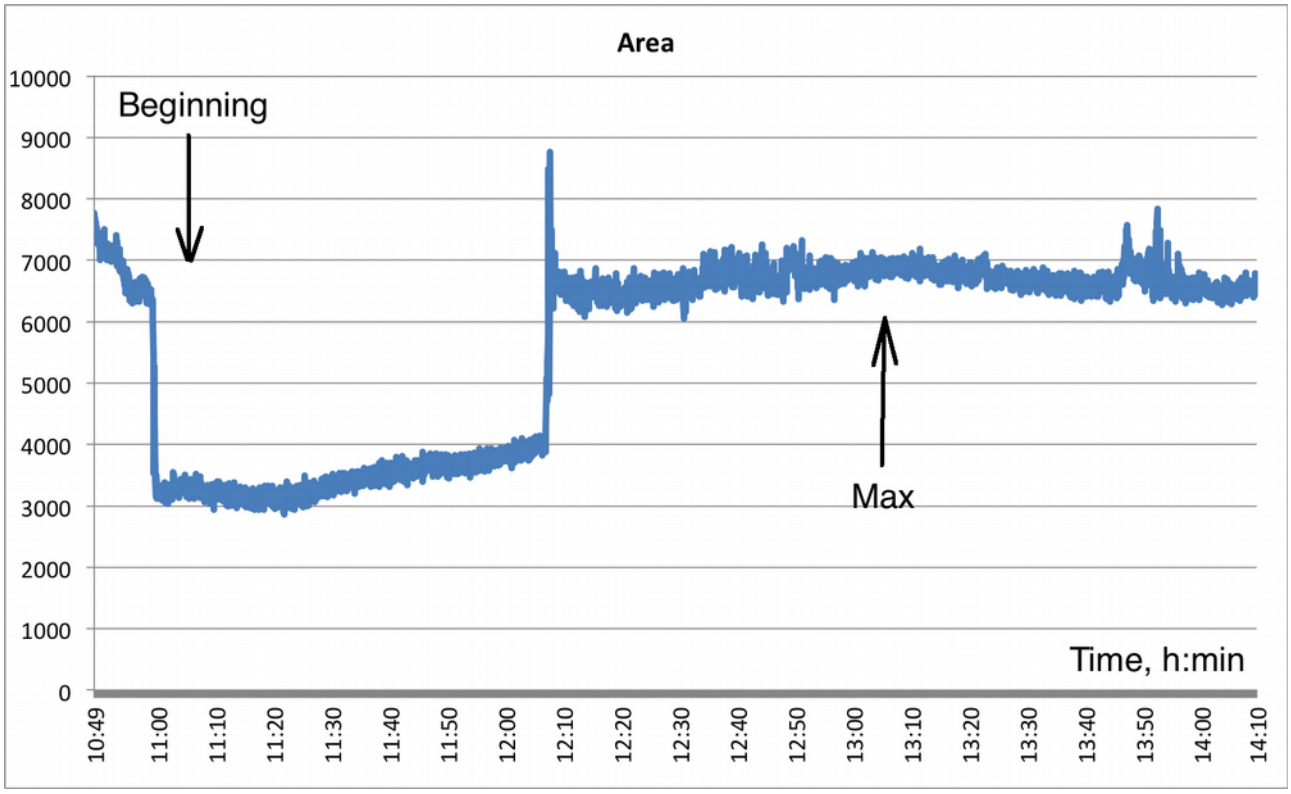
08.21.2017 the USA was covered by the Moon shadow. In some states if was full, in some partial. 5 people in the USA and 1 person in Spain measured sun eclipse with the Bio-Well and Sputnik instruments (www.bio-well.com).

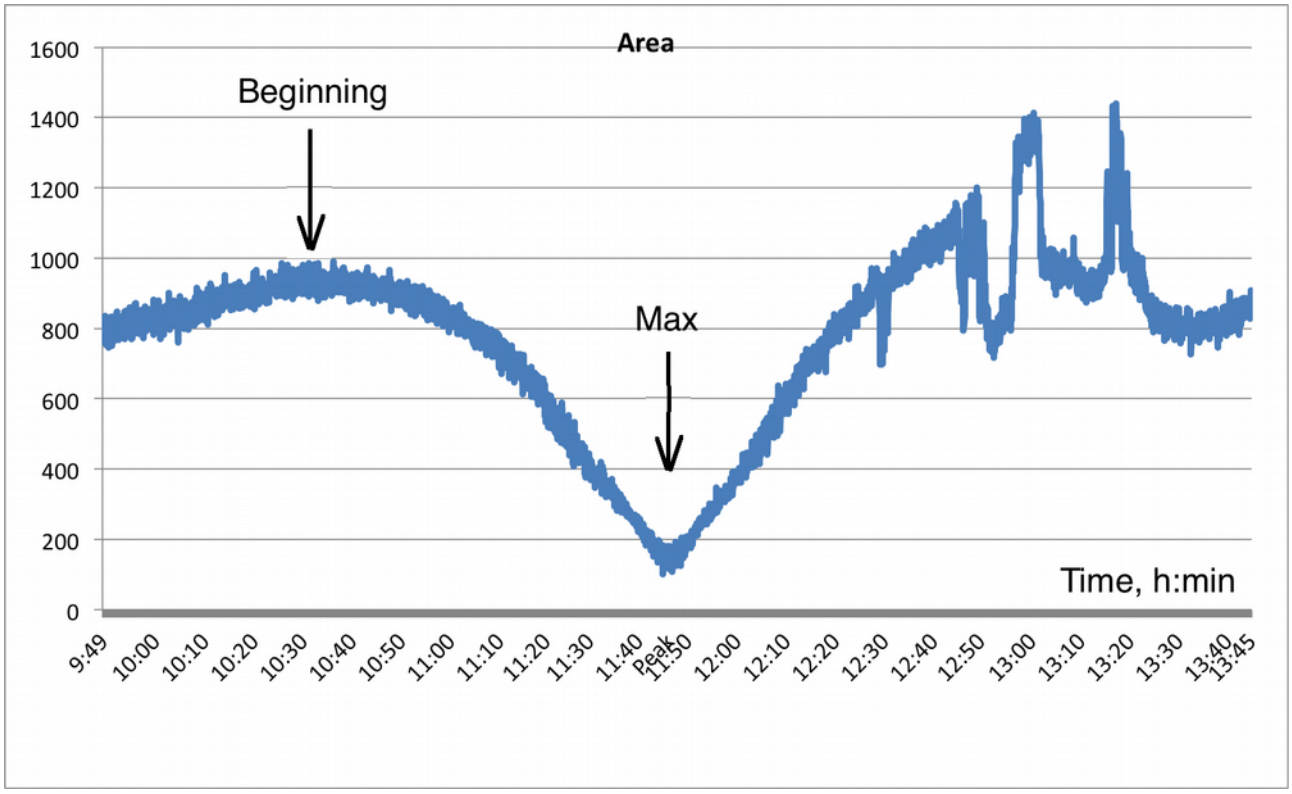
All data are presented at Sputnik/Sputnik open account.

Results

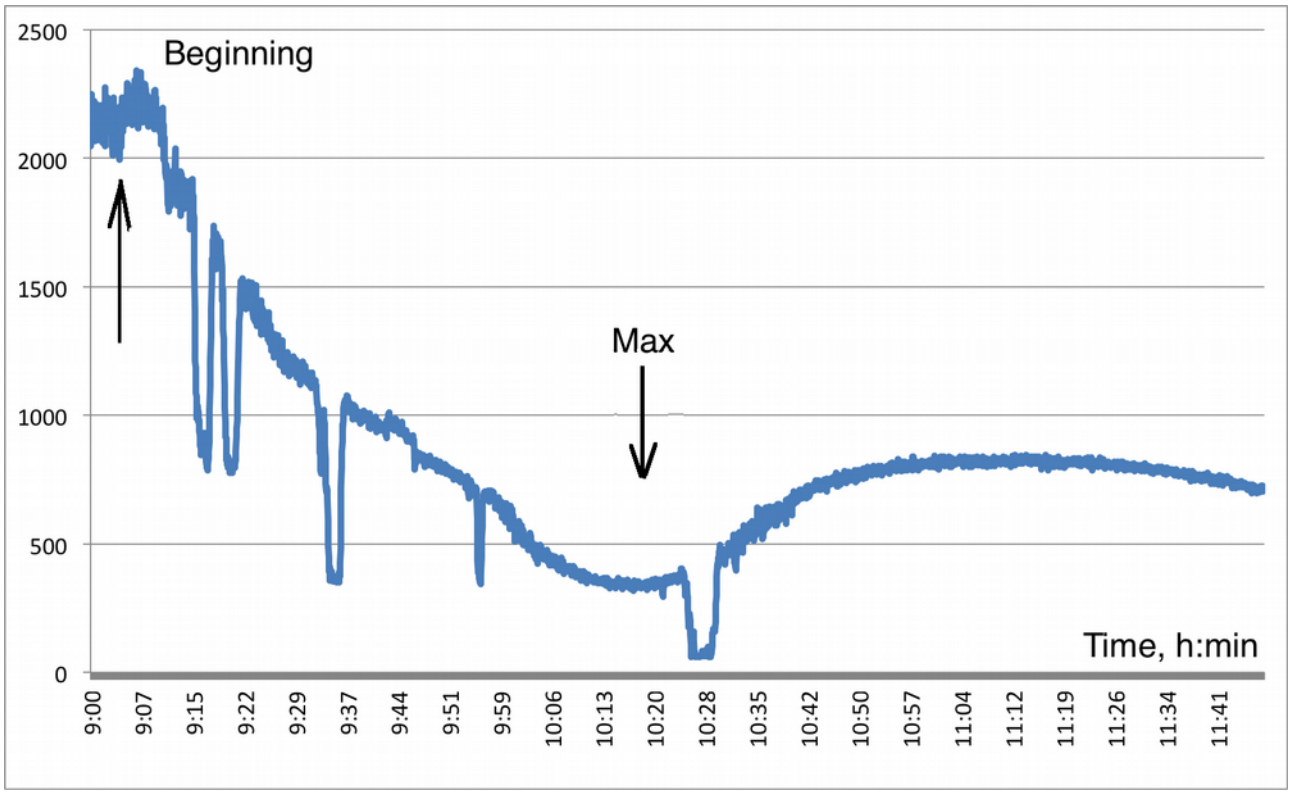
Area



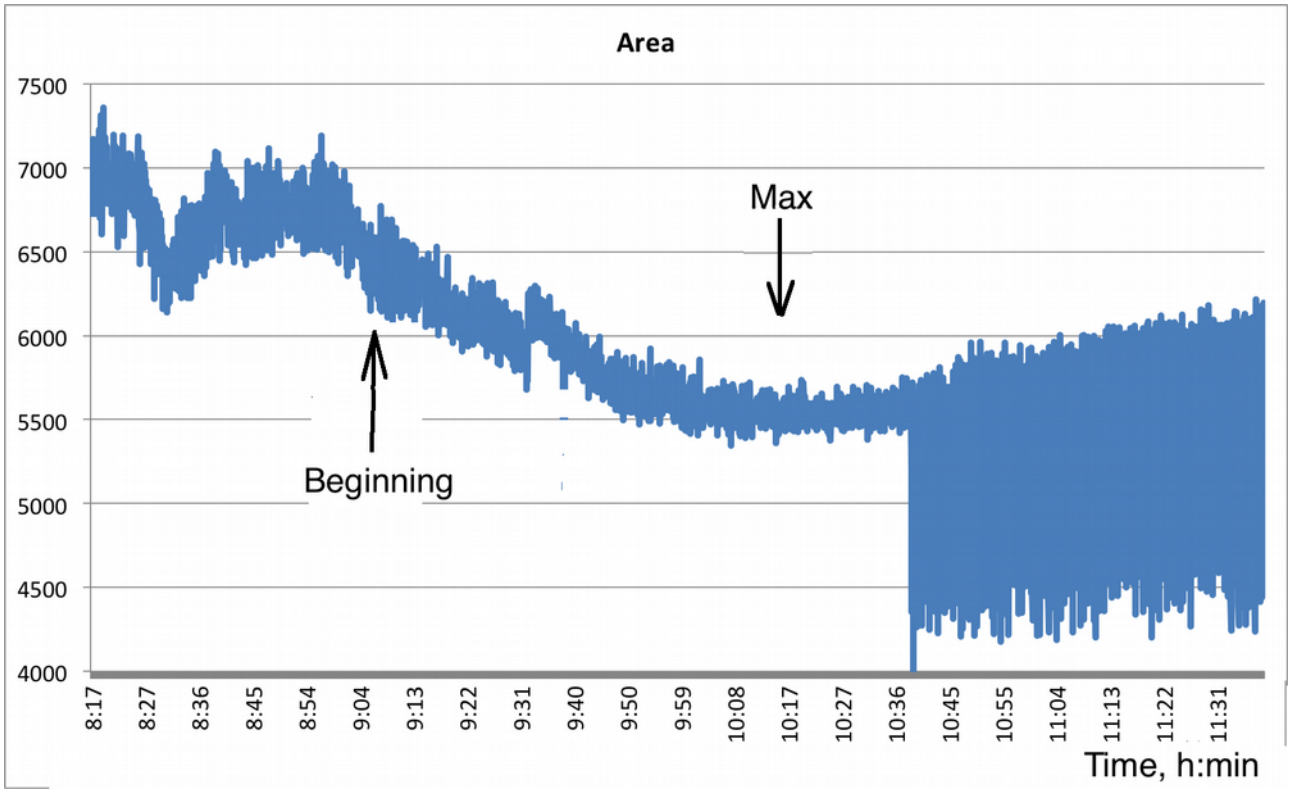
From brothaz@gmail.com
Watkins Mill State Park. Closest cities: Lawson, MO and Excelsior Springs, MO. 39° 23'49''N 94° 15'13''W
Clear skies from about 20% entering the eclipse, during all of the totality and all the way through until about 70% exiting the eclipse.
«There is a large valley in the data. This is due to me having to move my gear from the top of my car to inside my car due to rain and back out from my car after the rain subsided».



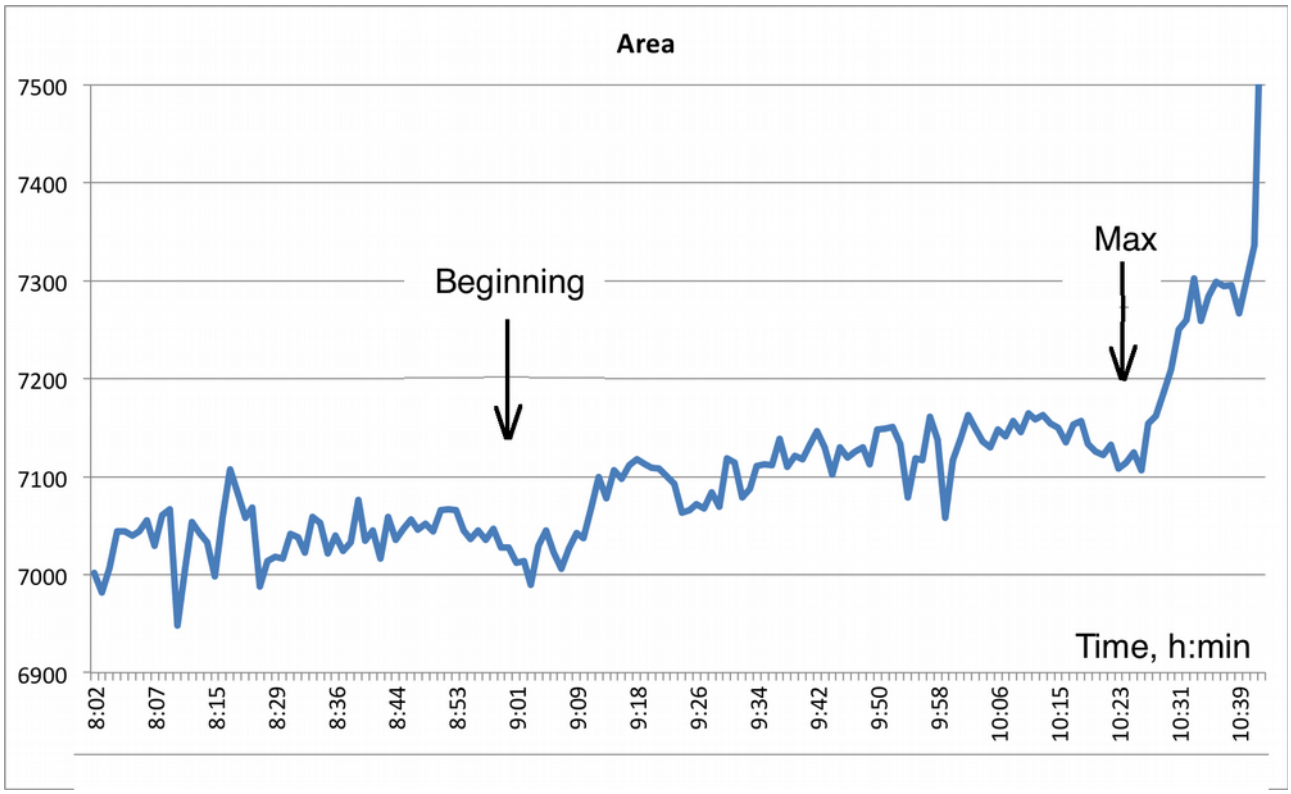
From shayn.smith@gmail.com
Boulder, CO



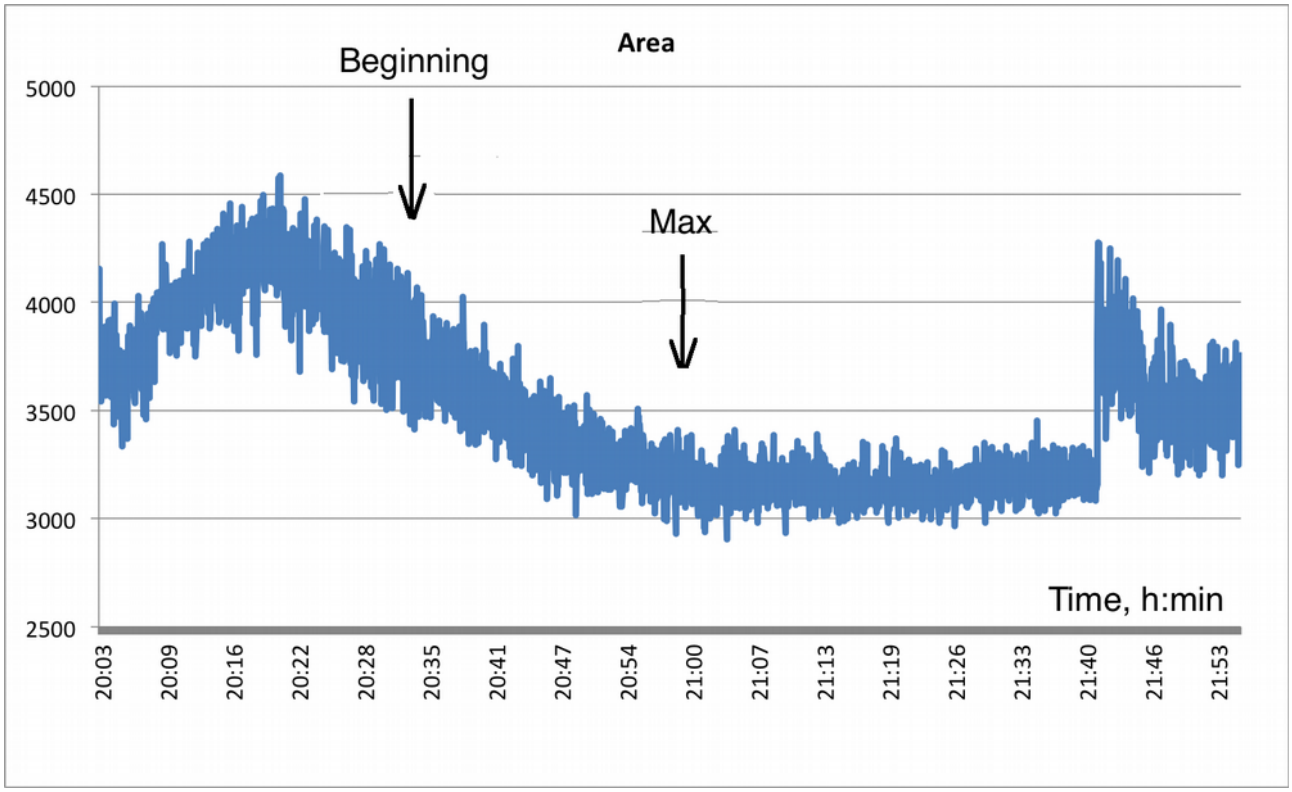
From rick@essential-chi.com
Penn Valley, CA. (N.W. of Sacramento CA) 39.202350 N. by 121.185583 W. Partial cloud cover during the eclipse. 150 yards away from the hwy, 20 ft. above a consistent slow moving stream.



From weiterk.mok@gmail.com
San Francisco, CA



From korotkov2000@gmail.com
Yosemite, CA. Partly cloudy.



From aura@fluir.es

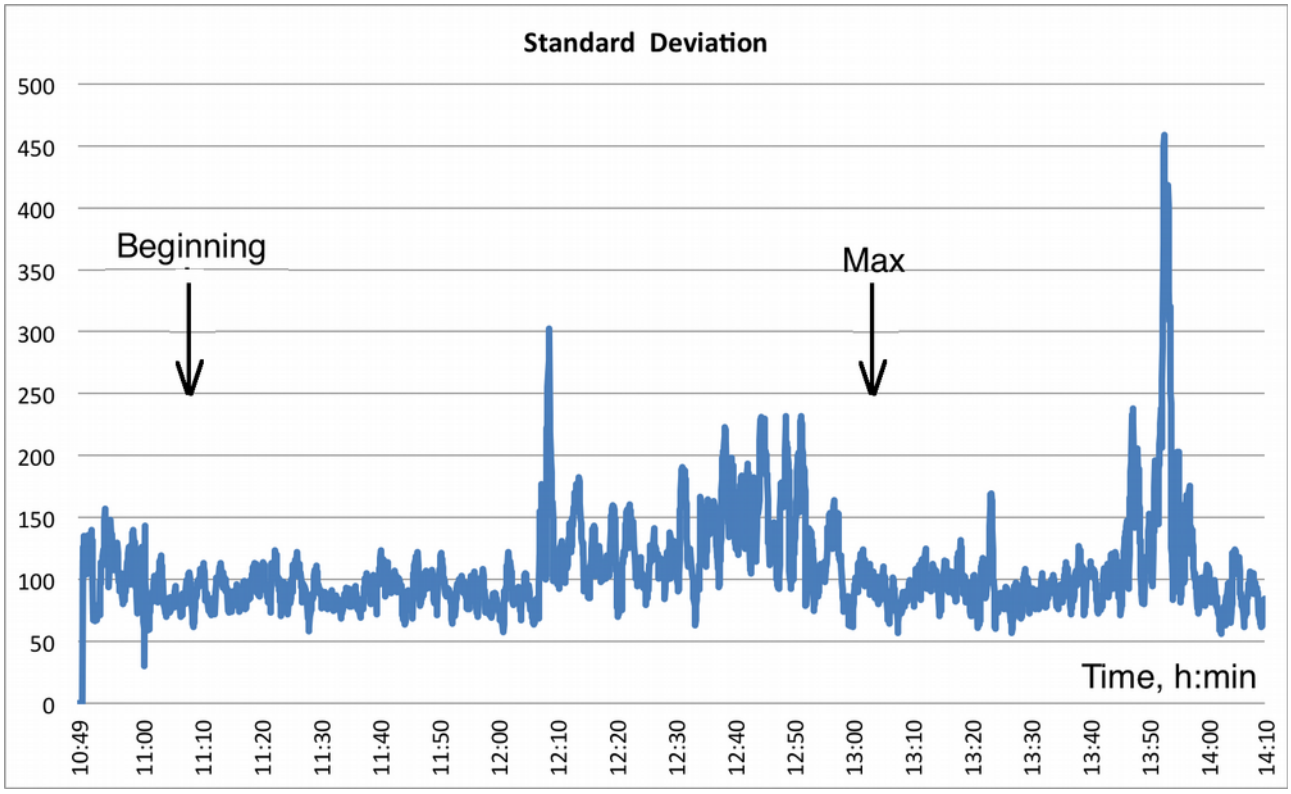
Sun eclipse in Spain. 20,33 beginning. The Sun has set at 20,25 hiding between the mountains of 2.913 mts. the maximum point is at 21 hours

GPS position of the place to 1212mts N42º27'40" E01º56'38".

Discussion

After the beginning of sun eclipse, in 5 cases we see decrease of signal, in 1 case signal slightly increased.
After maximum of sin eclipse we see increase of signal in 5 cases and no response in 1 case.

Standard Deviation



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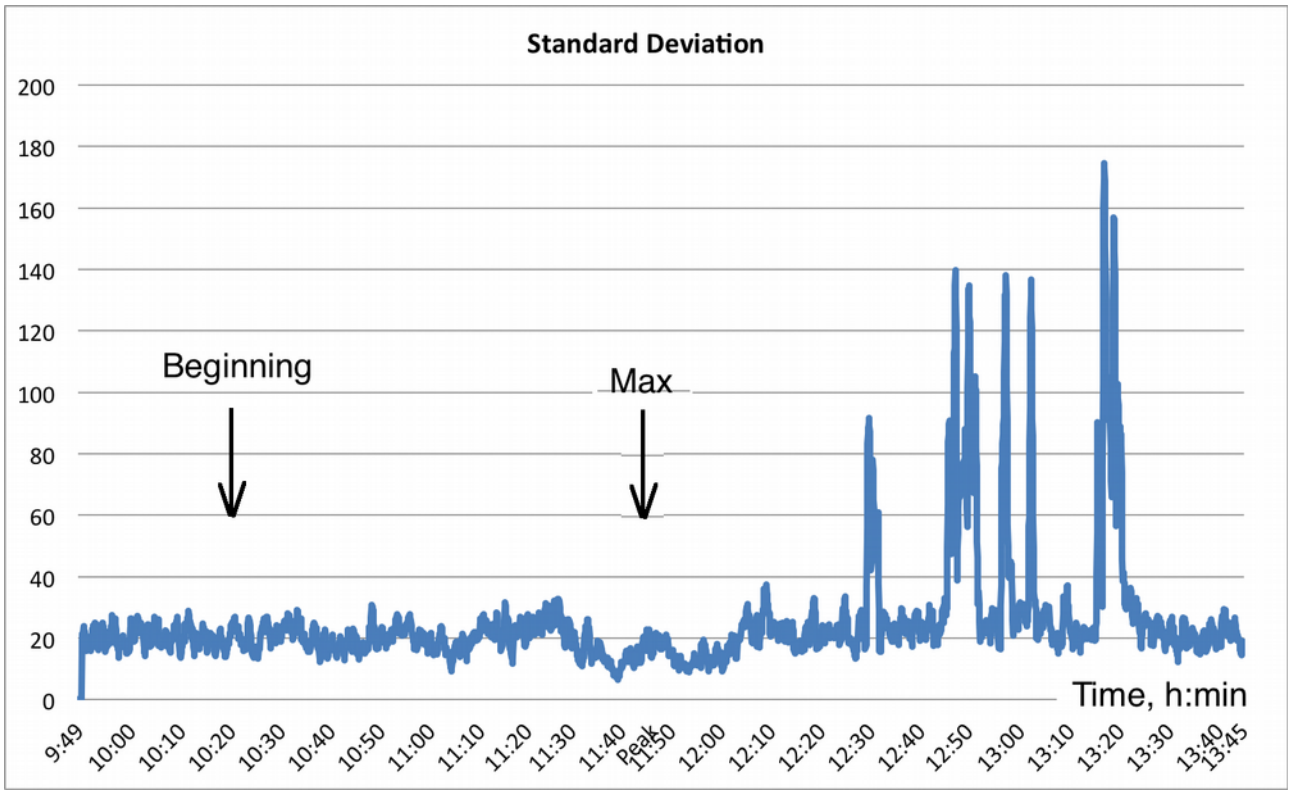

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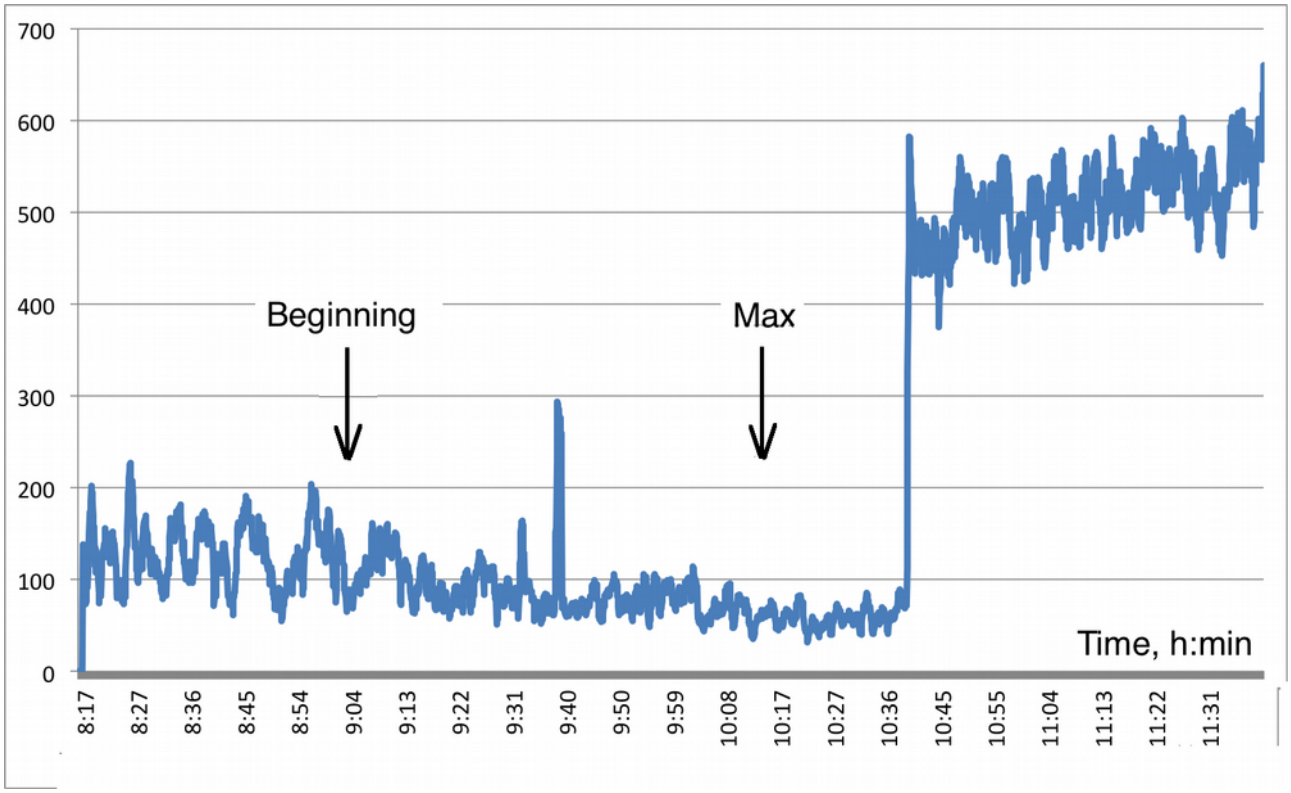

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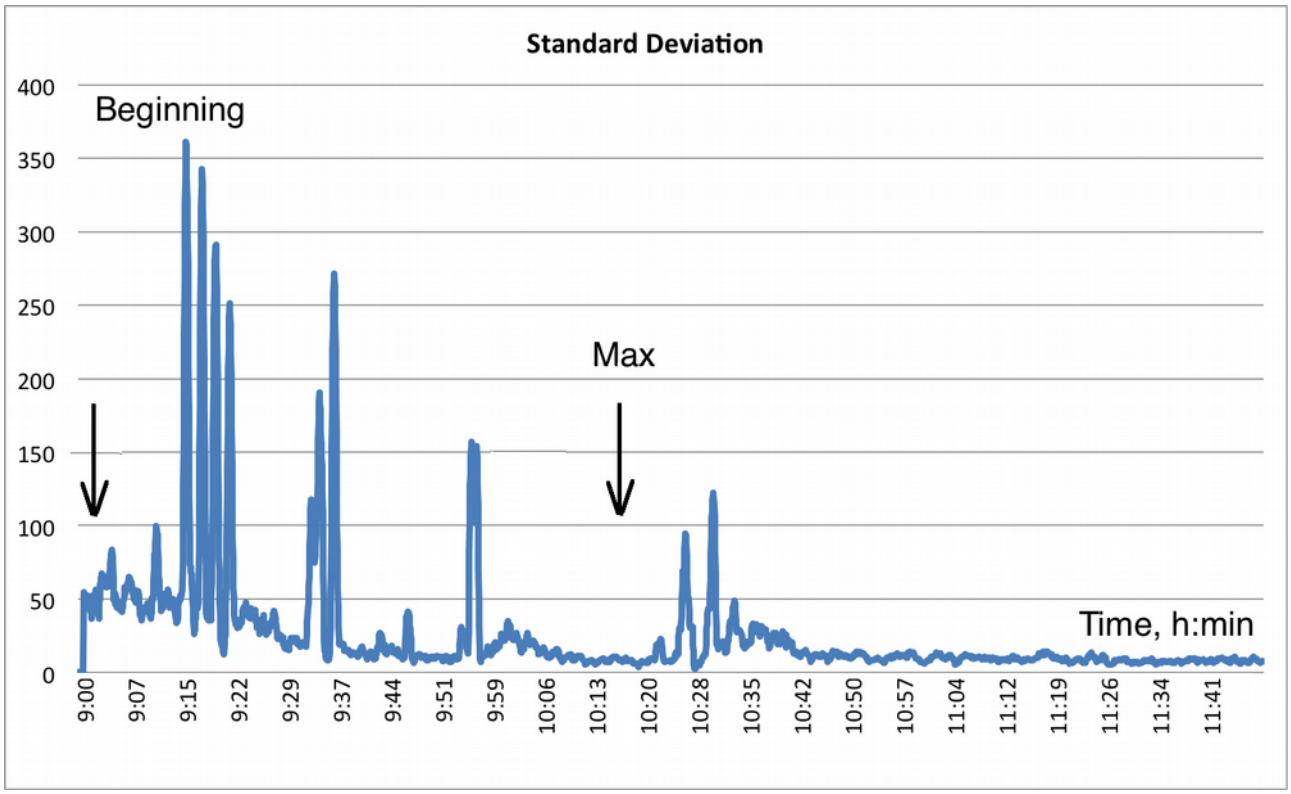

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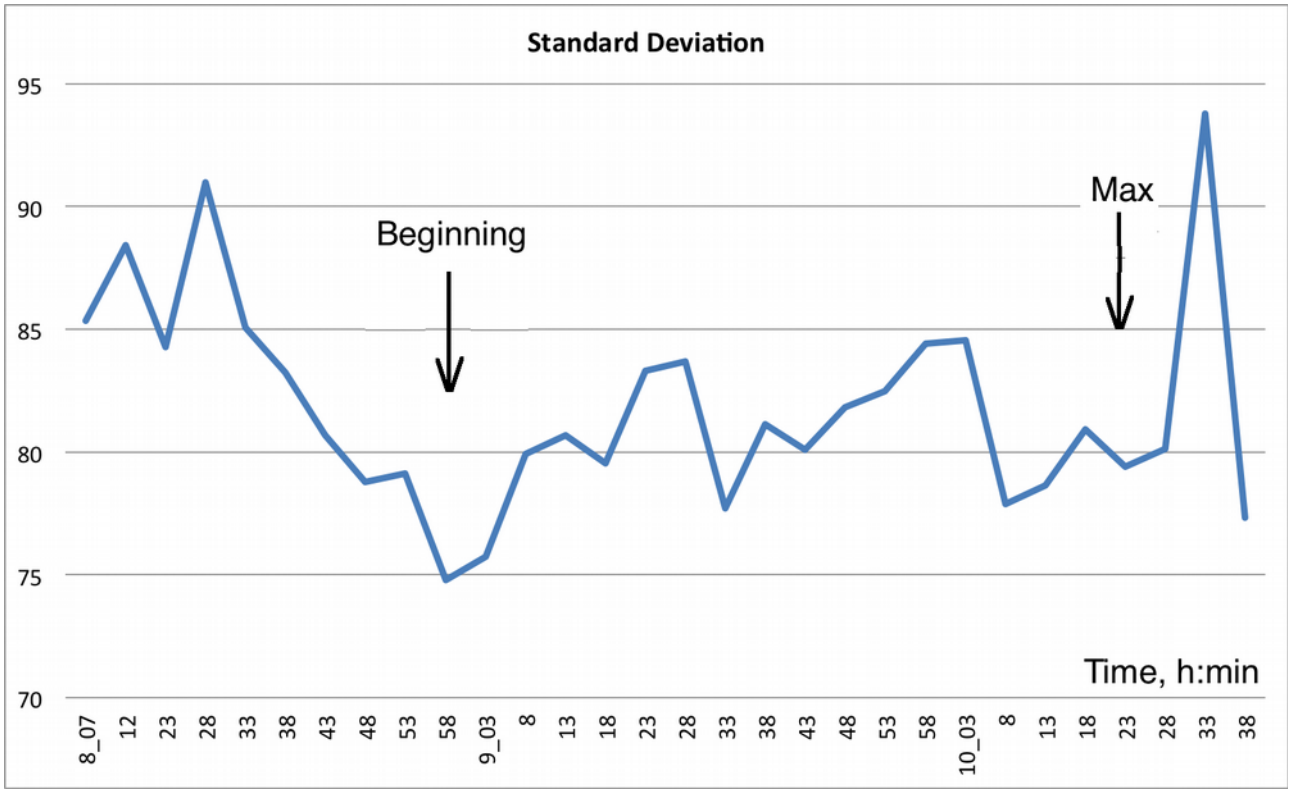

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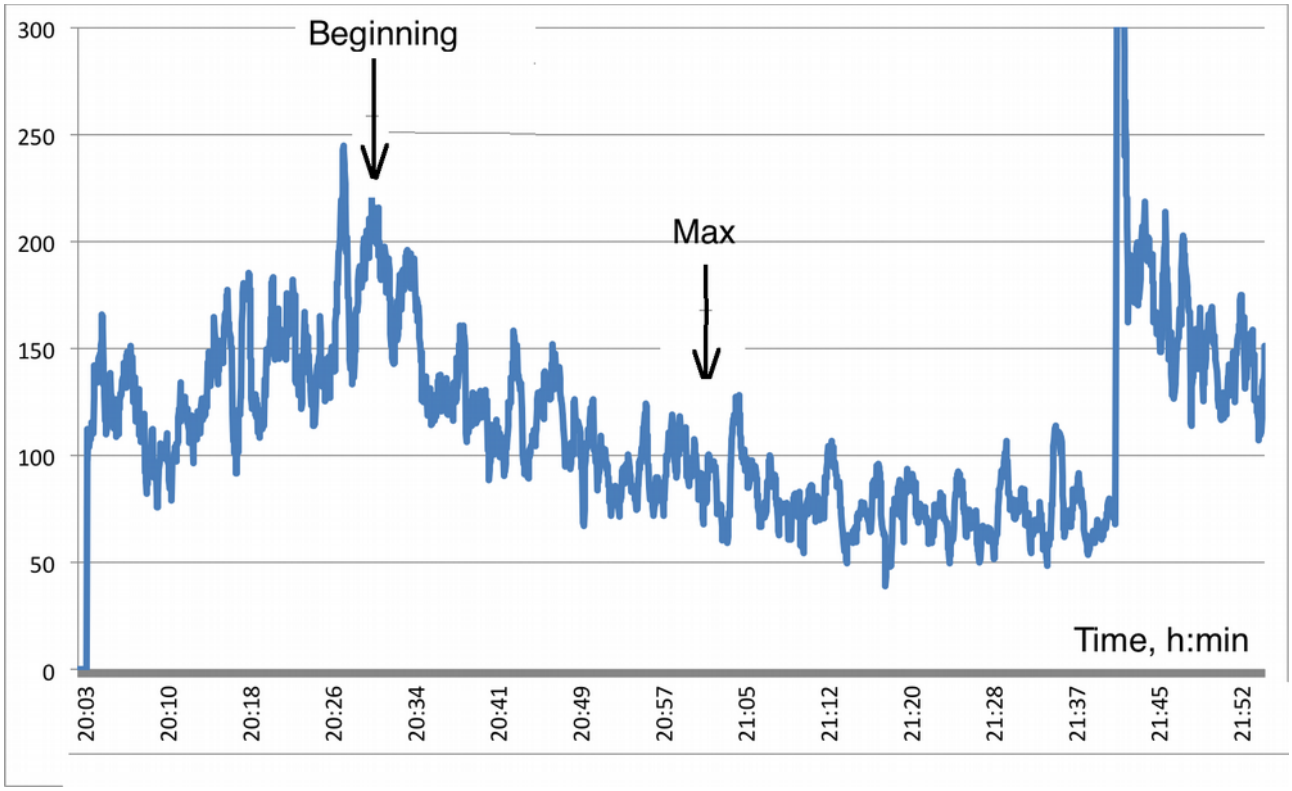

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GPS position of the place to 1212mts N42º27'40" E01º56'38".

Discussion

After the beginning of sun eclipse, in 3 cases we see no response, in 2 cases standard deviation increased, in 1 (Spain) decreased.
After maximum of sin eclipse we see peaks of standard deviation in all cases.

Conclusions

- 6 measurements of partial sun eclipse demonstrated response of all sensors to sun eclipse. Response in the beginning of the eclipse was not reliable – sometimes we may record declining lines for several hours, sometimes inclining, but it was clear response to the maximum of the eclipse.
- Character of the response curves was different for different devices; there were technical errors in some measurements (movement of the Sputnik sensor) that resulted in “jumps” of the curves.
- We do not have enough data to find correlation between character of the response and parameters of the particular places.
- In the calm environment we mostly have very stable signal for many hours.

Acknowledgements

We want to thank all the people who took part in the research project.