

Measuring TWD in "Quasar" network observatories

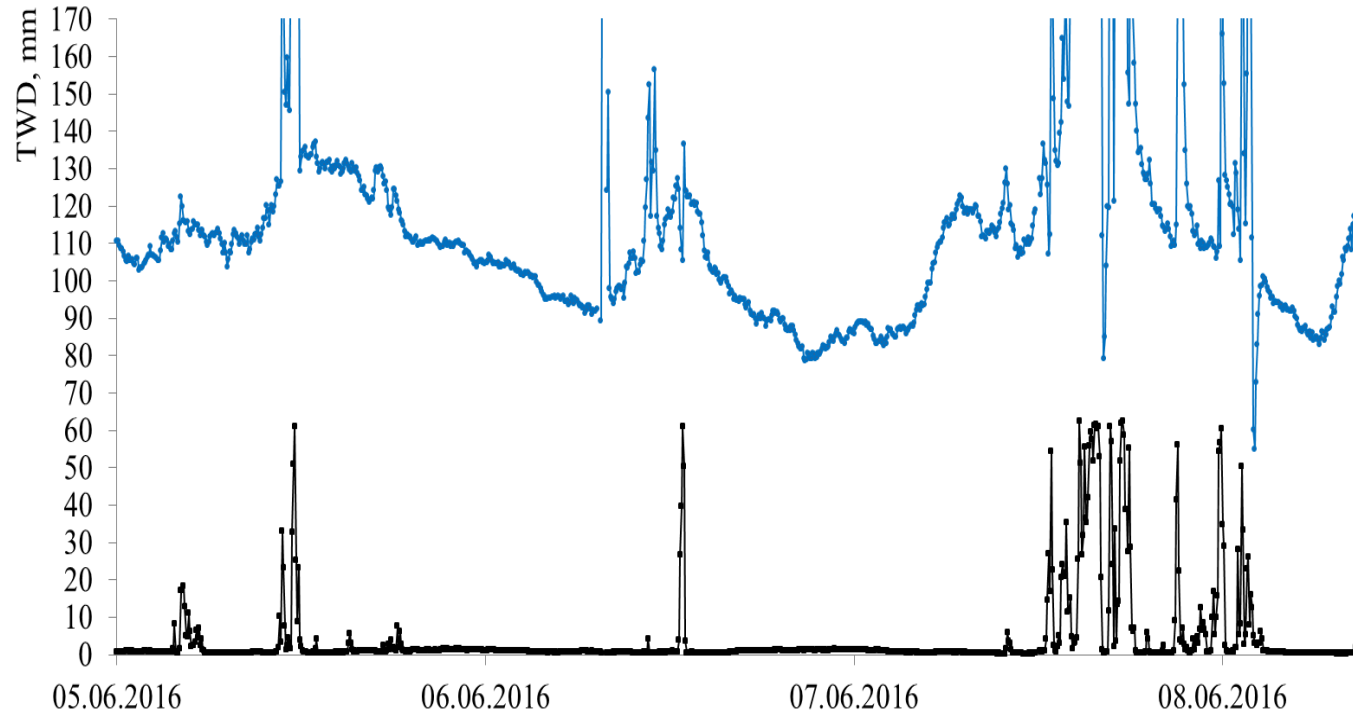
Ilin G., Bykov V., Stempkovsky V., Shishikin A.

IAA RAS
St. Petersburg
Russian Federation



Water vapor radiometer (WVR) is used for:

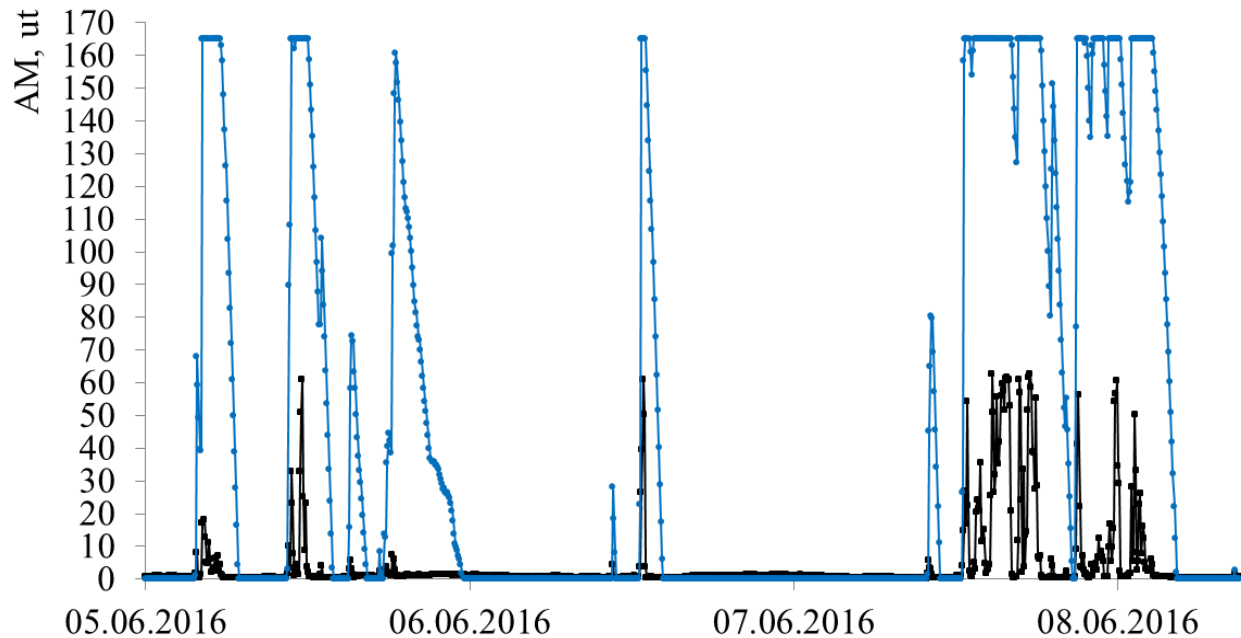
- ~ real-time zenith TWD monitoring,
- IWV / PWV monitoring



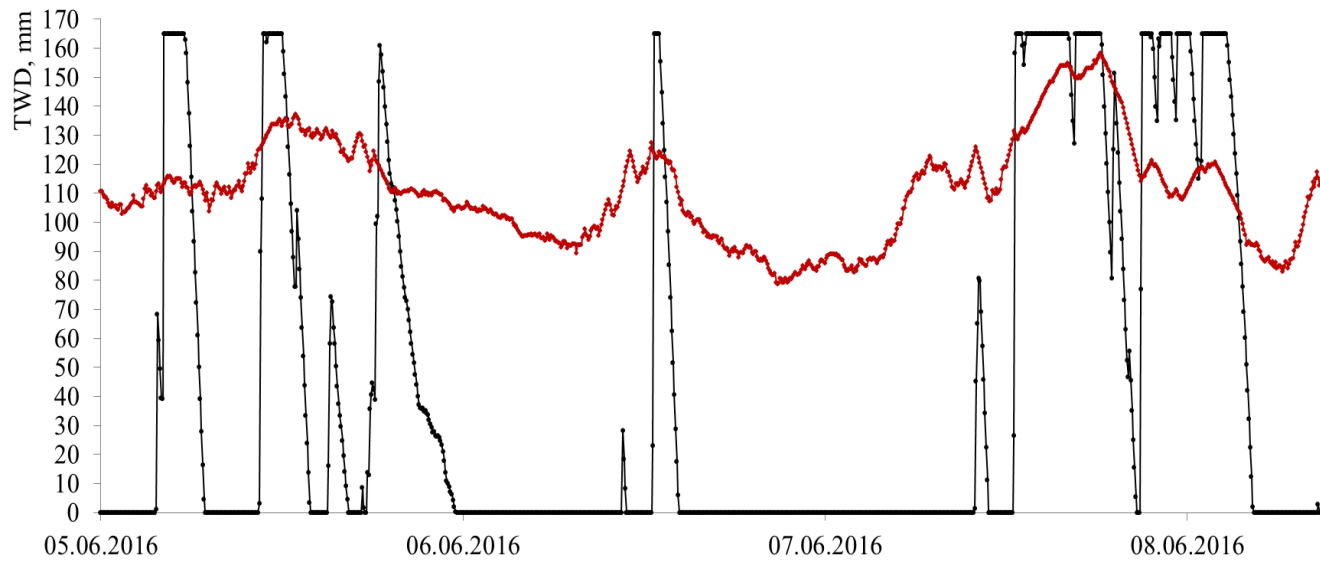
Total time interval: 81h
Damaged by rain: 11,25 h

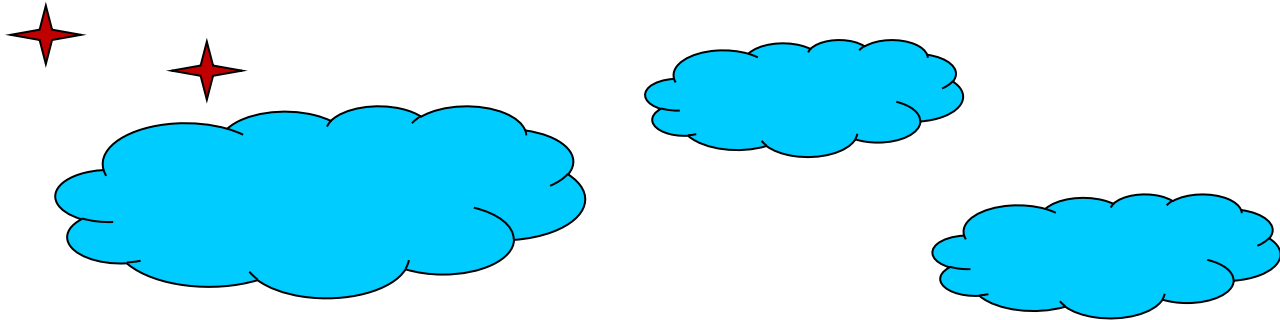
How to minimize the false data volume?

Empirical algorithm for correction of TWD's values in rain condition was developed



«Accumulated moisture» parameter is in relative units. Rain sensor signal (black).





Thank you for your attention!



