

Geosci. Instrum. Method. Data Syst. Discuss., community comment CC2  
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## Reply on RC2

Fedor Zagumennov

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Community comment on "Accounting for meteorological effects in the detector of the charged component of cosmic rays" by Maxim Philippov et al., Geosci. Instrum. Method. Data Syst. Discuss., <https://doi.org/10.5194/gi-2021-9-CC2>, 2021

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Reply from one of co-authors Fedor Zagumennov (FSBI CAO)

Regarding upper-air soundings :

Since in our organization is a term called "aerology", which is missing in common scientific literature, we replace it with a well known name "upper-air sounding", which is the same. More information about aerological(upper-air) soundings is here:

[https://library.wmo.int/index.php?lvl=notice\\_display&id=7417](https://library.wmo.int/index.php?lvl=notice_display&id=7417) - from World Meteorological Organization

<https://www.epa.gov/scram/air-quality-modeling-surface-and-upper-air-databases>

Upper air soundings are done twice(or more often) a day at 12 and 00 GMT, a balloon with a sonde is launched to atmosphere as high as >30 km, data telemetry from sonde is transmitted to ground.

"Upper air sounding" as a scientific term is commonly recognized at WMO, NOAA and others.

Best regards,

Fedor