Abstract Details

<u>AOGS 1st Annual Meeting</u> > <u>Interdisciplinary Working Groups</u> > (IWG3A)The GPS Meteoro Network in The Yangtze River Delta and The Estimated Precipitable Water Vapor in Atmospl

Corresponding Author : Prof. Jincai Ding (dingjincai@hotmail.com)

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 - Title: (IWG3A)The GPS Meteorological Network in The Yangtze River Delta The Estimated Precipitable Water Vapor in Atmosphere

Abstract:

We describe the ground-based GPS meteorological network in Yangtz Delta area and the GPS data processing flow for estimating the atmos column water vapor or called as the precipitable water vapor.(GPS/PV The comparisons of the 12 month data show that The GPS-derived P agree well with the radiosonde-derived PWV data. The error extent of PWV is acceptable in meteorological application. Even in raining time precision of GPS/PWV almost keeps steady. The PWV values in all sta vary in whole year with a similar phase like a sinusoid. A proposal is I forward that in viewpoint of the moisture content in the atmosphere t seasons in Yantze River Delta can be measured off by monthly mean The distinguish of the PWV distribution between two half parts of a y€ reveals the monsoon climatic feature of the atmospheric moisture transmission.

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Co-Authors

No.	Title	First Name	Family Name	Organization
1	Ms.	Shuli	Song	Shanghai Astronomical Observatory
2	Mr.	Qixin	Ye	Shanghai Central Meteorological Observatory
3	Mr.	Yanyan	Xu	Shanghai Central Meteorological Observatory
4	Prof.	Wenyao	Zhu	Shanghai Astronomical Observatory
5	Prof.	Zhongyi	Chen	Shanghai Astronomical Observatory