



## Abstract Details

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 (IWG3A)Radio Occultation Data Processing at the Shanghai Astronomical Observatory (SHAO) >

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**Title:** (IWG3A)Radio Occultation Data Processing at the Shanghai Astronomical Observatory (SHAO)

**Abstract:**

The GPS/MET 1995 experiment demonstrated the feasibility of remote sounding of Earth's atmosphere using the GPS radio occultation technique. On the basis of GPS occultation the standard inverse algorithm of neutral atmospheric, a processing chain of neutral atmospheric retrieval for GPS radio occultation measurements has been developed at the Shanghai Astronomical Observatory (SHAO). It has been used on both GPS/MET, CHAMP and SAC-C data for retrieving atmospheric refractivity, temperature and water vapor. This paper describes in detail GPS radio occultation data processing scheme at the SHAO and presents the results of data retrieval.

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