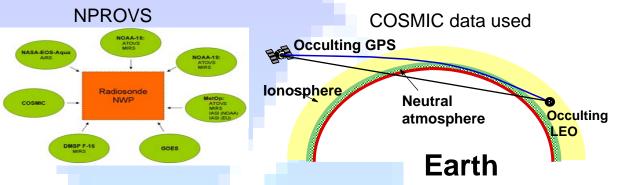




26th Conference on Interactive Information and Processing Systems (IIPS) for Meteorology, Oceanography, and Hydrology Oral – Impacts of Mismatch between Radiosonde Launch and Satellite Overpass on Satellite Sounding Evaluation

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 Motivation: Quantify the uncertainty in validation due to temporal and spatial mismatch between raob and satellite



Radiosonde drift impact Collocations (x1000) 20 30 40 50 10 60 10 20 30 50 Pressure (hPa) 70 100 160 200 250 300 400 500 DriftImpact-Not-Conside 700 1858 2.0 1.5 2.5 1.0 $SD_{\Delta T}$ (K)

Time and Distance mismatch impact

