Utility of a GPS Radio Occultation and Hyperspectral Infrared Sounder Matchup Dataset: Independent Comparisons

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Temperature Profile Comparisons
- profile to profile matchup methodology
- applied to multiple combinations of RO networks/IR sounders
- IR sounder minus RO bias and RMS statistics created

Can make comparisons of:
1] IR sounder product versions
2] IR sounder products from various platforms
3] GPS RO products

Case study of RO and IR sounder different vertical resolutions effect on difference statistics shown with averaging kernel application

GRAS minus COSMIC Bias

Daily COSMIC/AIRS Matchup Map