

## **Evaluation of Experimental Atmospheric Profiling Systems and WRF-ARW PBL Schemes During the 2012 NOAA/HWT Experimental Forecast Program**

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## Q: How do InterMet radiosondes compare to Vaisala RS92 radiosondes?





A: Very well. InterMet soundings tended to be slightly drier below ~875 hPa and more moist above the tropopause. Otherwise, very good agreement.

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# PBL schemes in 4-km WRF-ARW

schemes seen.



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A: All schemes too cool & dry in morning, creates low MLCAPE and high MLCIN bias in morning



### A: All schemes tend to underestimate MLCIN when a substantial capping inversion is present



