

## **Research Using High Vertical-Resolution Radiosonde Data**

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The SPARC Data Center at Stony Brook University freely disseminates US high-vertical resolution radiosonde data, which it buys from NOAA through an NSF grant and disseminates through the SPARC Data Center, which is supported by NASA. Numerous papers have been published using the former MicroART data, with 6 s resolution, which corresponds to 30 m vertical resolution. Now, 1 s data is becoming available. An international workshop will be held at Stony Brook University about one year from now to promote research uses of these data, and also to examine the feasibility of obtaining high vertical-resolution radiosonde data from other nations to disseminate for research purposes. This paper will briefly review some of the research that has used these data, as well as discussing some future research possibilities using these data. Finally, I will solicit your participation in the upcoming workshop.