

Technology and Goals * Modularity and scalability * Ease of deployment – setup, remote system monitor, etc. * Advanced hardware – digital, FPGA, distributed Tx and Rx, etc. * Innovative signal processing – SA winds, RIM * Expandability, Instrument host **Current Status** • Tested a 3-panel boundary-layer prototype • Good performance compared with traditional 915 MHz wind profiler PCAPS 449MHz 2 Jan 2011 Day 002 Winds 30 minute means and a New 449 MHz Wind Profiler "PĊAP'S ISS3 - 2 Jan 2011 - Day 002 Winds 30 minute means Traditional 915 MHz Wind Profiler

- Building a **7-panel** mid-tropospheric prototype
- Designing a Mobile 3-panel 449-MHz version
- Evaluating complimentary instruments
- (lidars, surface energy balance)
- Looking for potential partners and users

Prototype 449 MHz Modular Wind Profiler: Progress and Future Plans

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