**SkySonde, a Weather Balloon Telemetry and Data Processing System**

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SkySonde is a suite of weather balloon telemetry and data processing software recently created in NOAA's Ozone and Water Vapor Group. It was designed to work with the Intermet iMet-1 radiosonde that measures pressure/temperature/humidity/GPS, along with several external instruments (the EN-SCI ECC Ozonesonde and the NOAA Frostpoint Hygrometer, mainly) when they are launched on the balloons. SkySonde Server collects raw balloon data from a radio receiver, and makes it available locally or through the network to SkySonde Client that plots, processes, and outputs the data. SkySonde Processor can load data files after a flight to do any post-processing calculations, data editing, and final archive-quality file outputs. These programs have greatly simplified the balloon data collection and processing system while providing many useful new features.

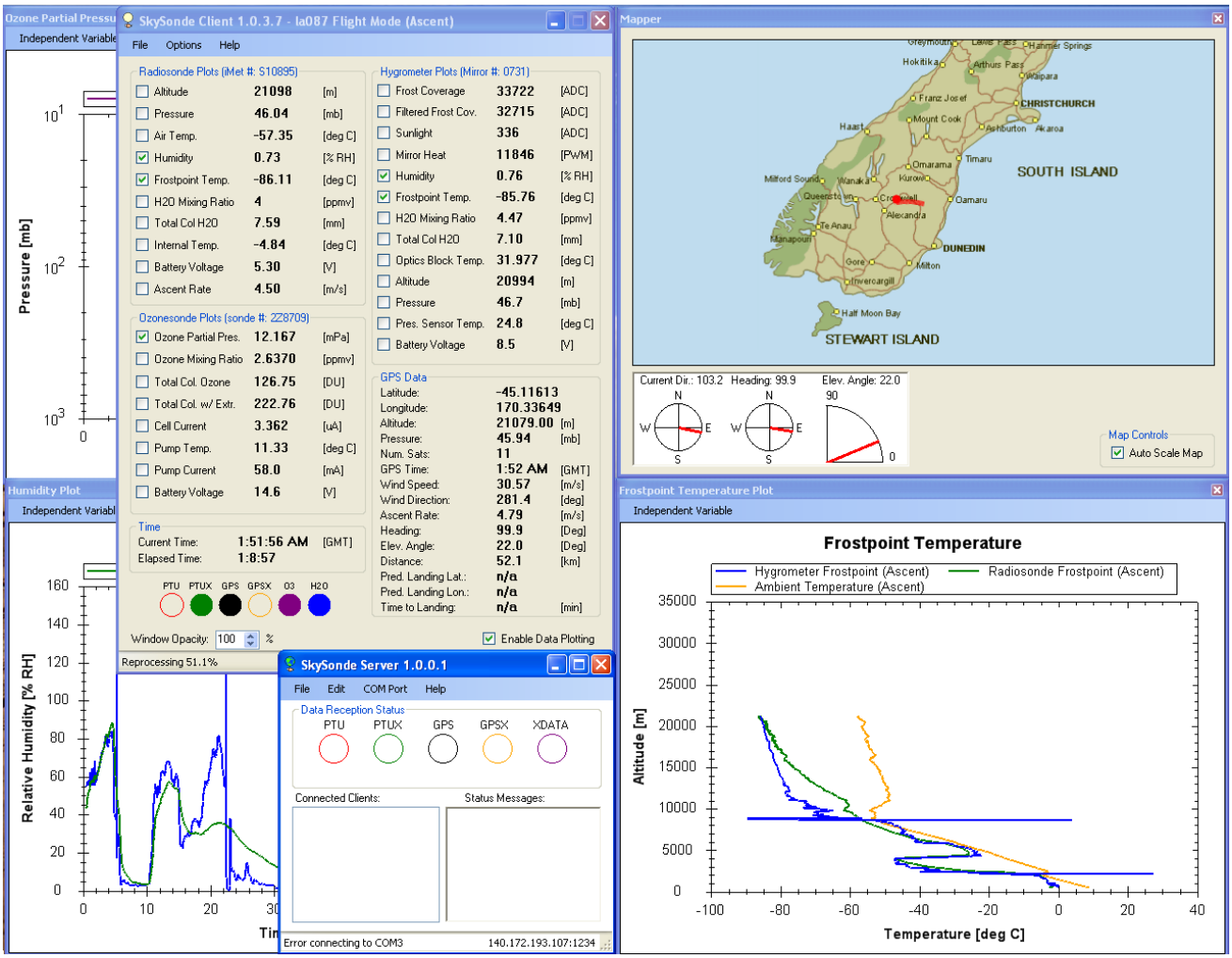


**Figure 1.** A screenshot of SkySonde Server and SkySonde Client with balloon data from a Lauder, New Zealand flight.