



**For Details, Contact:**

**Patrick Kelly, VP Sales and Marketing**  
Coastal Environmental Systems  
820 – 1<sup>st</sup> Avenue S  
Seattle, WA  
Pkelly@coastalenvironmental.com  
www.coastalenvironmental.com  
206.682.6048

## **COASTAL ENVIRONMENTAL SYSTEMS WINS NEW NATIONAL WEATHER SERVICE CONTRACT!**

**Seattle, WA:** Coastal Environmental Systems was awarded a contract to build 62 weather stations called Radiosonde Surface Observing Instrumentation Systems (RSOIS). The weather stations consist of an Ultrasonic Wind Monitor, and a Relative Humidity and Air Temperature sensor feeding data to a **ZENO<sup>®</sup>-3200** Data Acquisition System (DAS). The data is then sent by spread spectrum radio to a base station where it is displayed on an LCD and then sent to a NWS workstation/PC. The stations will be located at NWS radiosonde launch sites (approximately two per state) providing “ground truth” weather data for balloon launches. To read more about the National Weather Service Upper Air weather observing program and a more in depth discussion of the RSOIS system see <http://www.ua.nws.noaa.gov/>.

The RSOIS stations are a significant part of the NWS’ effort to automate and thereby improve the responsiveness of weather prediction nationwide. Coastal won the contract because the **ZENO<sup>®</sup>-3200** DAS is the most capable data acquisition system in the world today and is ready to take data from other sensors such as a Barometer/Altimeter (or Coastal’s PDB-1), Visibility, Ceilometer, Solar Radiation, Freezing Rain, Lightning Detection and many more; too numerous to list. The RSOIS station comes with a built in fiber optic modem for areas where radio communication is not feasible.

The calculations performed for Winds and Dew Point are similar and consistent with ASOS and Coastal’s SAWS units (weather stations Coastal is manufacturing for the FAA).

“Coastal is becoming a dominant force as a manufacturer of our country’s operational weather measuring systems,” stated Don Munro, Coastal’s CEO. “Within a year at many airports in the U.S. you will arrive and find a PDB-1 Precision Digital Barometer in the NWS forecast office, an FAA SAWS (Stand Alone Weather Station) near the runway, and a NWS RSOIS weather station at the radiosonde launching facility.”