



## COASTAL ENVIRONMENTAL SYSTEMS, INC.

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### **State of Arkansas Installs Network of Meteorological Stations for Governmental Agencies, Agricultural Businesses and Members of the Public to Monitor Up-To-Date Weather Conditions**

#### **FOR IMMEDIATE RELEASE**

**March 12, 2009: Seattle, WA** – Coastal delivered the first twenty systems to be used in a statewide network of meteorological stations for the State of Arkansas. The Arkansas State Plant Board Agri-Weather Network will provide data to various governmental agencies, agribusinesses and members of the public. While pesticide management is the primary focus, the comprehensive data provided by this network will be of great interest to a wide variety of professional users. The information will be made available on the internet with varying levels of access determined by the needs of the individual user.

The ZENO® weather stations will monitor winds, air temperature, relative humidity and have the ability to accept rainfall, solar radiation and other sensors as needs demand.

The stations were designed to be simple to install, easy to maintain and extremely reliable. Power is provided by a solar panel and battery and communication back to the main office is via CDMA cellular modem. This makes the stations completely free from power and communication connections so they can be installed, literally, anywhere.

Along with the stations Coastal delivered their new version of INTERCEPT™ which is a 32 bit service and allows additional users to access the user screens via any internet browser! New INTERCEPT™ also allows the user to “group” stations according to their needs, by geographic location for example or by type, etc. INTERCEPT™ automatically calls each station on a pre-set schedule, downloads and displays that data in real time.

Below are two screen shots from INTERCEPT™ showing a single station view (underneath) and a “summary” view of all stations in the network.

**Article CONTINUED on next page...**



State of Arkansas, CONTINUED...

The top screenshot displays the 'INTERCEPT' weather monitoring interface for Fort Smith. It includes a 'Station Information' panel with the name 'Fort Smith', ID '3', latitude '35.22', and longitude '94.22'. A large circular wind speed indicator shows 6.9 mph. Other panels show 'Wind' (Wind Speed: 6.9 mph, Wind Direction: 243 deg, Gust: 11.3 mph) and 'Other Conditions' (Air Temp: 64.6 degF, Rel Humidity: 60%, Dew Point: 52 degF, Baro Pressure: 1021.8 mbar, Prec 1hr: 0.00 in, Prec 24hr: 0.04 in, Battery Voltage: 11.8 VDC).

The bottom screenshot shows a detailed data table for multiple stations. The table has the following columns: Station Name, Wind Speed, Wind Dir, Gust, Air Temp, Humidity, Dew Point, Baro Press, Prec 1HR, Prec 24hr, and BAT.

Station Name	Wind Speed	Wind Dir	Gust	Air Temp	Humidity	Dew Point	Baro Press	Prec 1HR	Prec 24hr	BAT
Donelson	13.1 mph	094 deg	17 mph	62.0 degF	27 %	46 degF	1019.0 mbar	0.00 in	0.00 in	11.0 VDC
Kaytown	1.0 mph	072 deg	4 mph	77.4 degF	36 %	66 degF	1007.7 mbar	0.00 in	0.00 in	11.9 VDC
Conover	color	---	7 mph	60.0 degF	75 %	74 degF	1014.4 mbar	0.00 in	0.00 in	11.3 VDC
Pine Bluff	6.0 mph	250 deg	17 mph	62.0 degF	33 %	50 degF	1015.0 mbar	0.00 in	0.00 in	11.4 VDC
Fort Smith	6.9 mph	243 deg	11 mph	64.6 degF	62 %	62 degF	1021.8 mbar	0.40 in	0.40 in	11.8 VDC
Little Rock	color	---	5 mph	67.4 degF	74 %	56 degF	1016.0 mbar	0.00 in	0.00 in	11.8 VDC

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