



FACT SHEET

UNITED STATES AIR FORCE

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AFRL La Luz Academy Pinpoint WeatherNet



AFRL La Luz Academy, in a joint project with Albuquerque's KOB-TV (Channel 4) and Earth Networks (formerly AWS Convergence Technologies, Inc.), provides real-time weather data to New Mexico schools through the *Pinpoint WeatherNet* program. A network of 50+ weather stations, located at participating New Mexico schools, are equipped with high-quality, fully automated weather stations. These stations include a sensor suite, data display unit, and a master control unit.

The sensor suite, which sits on a pole generally attached on or near the roof area of the school building, collects real-time weather data and displays it in the classroom on the display unit. Data collected includes: Wind speed; wind direction; temperature outside and inside (viewable in either Fahrenheit or Celsius); barometric pressure; dew point; wet bulb; humidity; wind chill; heat index; light; and amount of rainfall for the day, month, and year.

KOB-TV has the ability to access the real-time weather data collected from all participating New Mexico schools, for use on Channel 4 Eyewitness News and on their Web site (www.kob.com). In addition, the data is displayed in real time for use by anyone with an internet connection at www.weather.weatherbug.com.

An online interdisciplinary curriculum is available for using this weather data in the classroom, also at www.weather.weatherbug.com. The online curriculum integrates weather observations, computers, and telecommunications with hands-on activities in math, science, language arts, social studies, and geography.

For more information, contact AFRL La Luz Academy at (505) 846-8042
or go to: <http://prs.afrl.kirtland.af.mil/LaLuz>.

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