

# Windwords



An Applied Technologies, Inc. Publication

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## This Issue of Windwords

Welcome to the second issue of 'Windwords'. In this issue you will find the following topics...

1. **Photo Contest!!!** - Who says scientists can't be artists too... Nice prize for the winner!
2. **Updated Ultrasonic Anemometer Electronics** - Features of the NEW electronics for our Ultrasonic Anemometers
3. **Rapid Weather** - A link from our Website to a colleague in the meteorological industry who has a Website that's really worth visiting
4. **The Dunce Award** - See who gets the 2011 Dunce Award

So please take some time and read on, and feel free to pass this information on to your friends and colleagues. Also visit us at Facebook, and please click the "LIKE" button.

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### Photo Contest! Win a Free Upgrade



Applied Technologies, Inc. is having a contest to find the best photo of an ATI met instrument "in-use". Do you have a strange location or gorgeous environment where you are using ATI equipment? Have you taken any inspiring photos from the top of a tower that shows our equipment? We'd like to see what you are doing with our products. The best photo will win a prize!!! Read on...

We're asking you to send us your photo (any format, jpg preferred), along with a description of the installation and your contact information, (full name, company, address, email and phone) so that we can let you know if you win. The best photo will receive a FREE UPGRADE to the new electronics board (see below) to one(1) of your current ATI 3-axis Ultrasonic Anemometers.

The contest will end March 30, 2012 and the winner will be selected and announced in May 2012.

### Old Sonic Electronics



For those of you that are not aware of the options available in the current design. Give us a call if you need assistance.

#### Output Options:

- ⤴ ASCII or Binary are both available
- ⤴ Both can be switched between Terse or Verbose
- ⤴ Any of the data words can be turned on or off
- ⤴ Speed of sound is available, with or without temperature
- ⤴ U and V axes can be turned into wind speed and direction

#### Sample Options:

Please only one entry per email and no more than 5 entries per organization.

**Prize winner will be notified by email so make sure to provide an email address where you can be contacted.**

We'd like to share your picture and story in a future issue of 'Windwords' and with our Facebook friends. We will be featuring your photos on our Facebook page, so please visit us and "Like" our page so you can see the entries. The winning entry will be featured in the next "Windwords".

Send you photos to: [photocontest@apptech.com](mailto:photocontest@apptech.com)

## 2011 Dunce Award!



The 2011 Dunce Award goes to... "Windwords"!

For those of you who received the first copies of our Windwords, (the one with all the misspelled words), we apologize. I would like to blame my computer for not learning to spell, but as we all know, computers are only as smart as the operator. We hope to do much better as we go along... we're learning.

## Contact Us

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- ↳ If you don't want to average some spikes in the data, there is a median filter available
- ↳ There are things you can do to improve the temperature accuracy

### Trigger Options:

- ↳ You can synchronize all your sonics together so they are taking data over the same time period
- ↳ If you have analog sensors, they can be synchronized with the sonics

## New Sonic Electronics!

Applied Technologies, Inc. is in the process of upgrading our Ultrasonic Anemometer electronics. The new electronics will be transparent. This means there are no problems adding "New" sonics to your old project.

### Changes:

- ↳ Higher speeds mean output data can go to 200Hz if required
- ↳ Commands are the same, but easier to read and use
- ↳ More room to add new options, let us know if you need something

### New Options:

- ↳ The first new option added is the 3-axis accelerometer which can be used to level the sonic and also to monitor vibration or movement. The components are state-of-the-art and mounted on the electronics board, instead of the external box. The output from the accelerometer can be added to the data format.
- ↳ More new options to be discussed in future publications

## Rapid Weather!



Rapid-Wx.com is a high resolution weather forecasting Website for support of urban and remote

outdoor operations and activities developed by Dr Karl Zeller.

Dr. Zeller was asked by the USDA Forest Service to develop a numerical meteorological forecast modeling system to support wild-land firefighters as well as their local and regional field offices.

Rapid-Wx provides for the delivery of weather intelligence that is proving to be invaluable in terms of saving lives, saving resource dollars, having successful outdoor events, fishing, skiing, camping, etc...

Dr. Zeller's vision and accomplishment has been to provide comprehensive weather support for remote outdoor operations.

Please visit [www.rapid-wx.com](http://www.rapid-wx.com) to learn more!!!

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