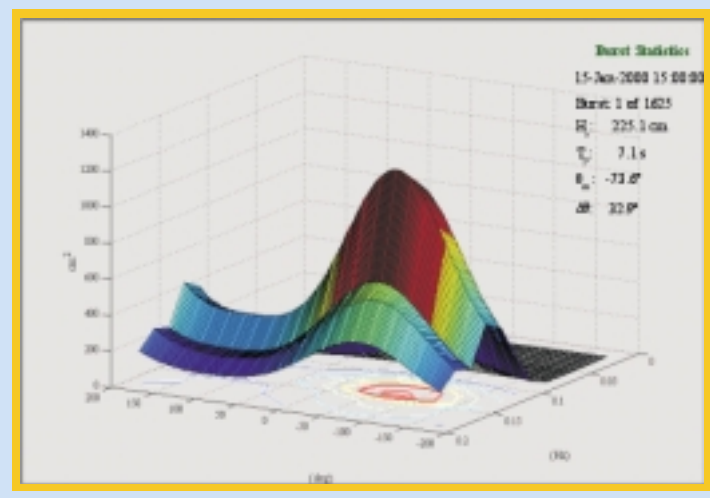
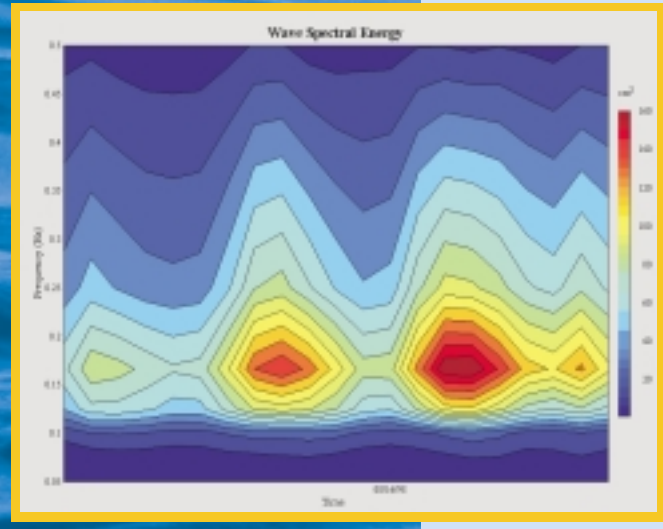
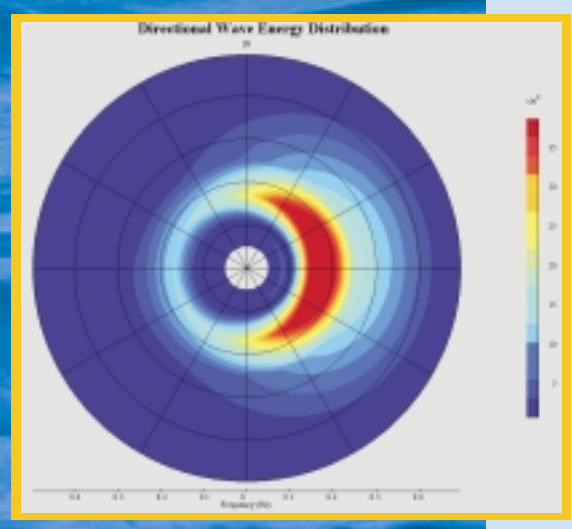




# Directional Wave Measurement



**For ADV<sup>®</sup>s, Hydras, ADP<sup>®</sup>s, PC-ADPs, and the new Triton Directional Wave Gauge**



## Options and Features:

- Windows Software
- Proven PUV Methods
- Publication Quality Graphics
- Contour, Mesh, Polar Plots
- Time Series
- Directional Wave Spectra
- Wave Statistics

**CORPORATE HEADQUARTERS**  
 9940 Summers Ridge Road  
 San Diego, CA 92121  
 Tel: (858) 546-8327  
 Fax: (858) 546-8150  
 e-mail: sales@sontek.com  
 website: www.sontek.com

# SonTek

# Directional Waves



# SonTek



The World Leader for Water Velocity Measurement

## General Information:

SonTek uses the proven PUV method for directional wave measurement. This method requires accurate measurement of pressure (P) and horizontal velocities (UV) at data rates high enough to resolve wave energy (typically 2 Hz or higher).

## Implementation:

### ADVs, Hydras and PC-ADPs:

ADVs, Hydras and PC-ADPs are already capable of the appropriate measurement rates. As long as the system has a pressure sensor, then all that is needed is the PUV software.

### ADPs:

To gather accurate velocity data at rates sufficient for directional wave analysis, the SonTek ADP uses a modified measurement strategy. Burst sampling of highly accurate short-range measurements for waves is interspersed with the standard current profiles.

### Tritons:

The Triton is a dedicated directional wave gauge that combines high sampling rate measurement bursts for PUV (directional wave) analysis with longer term measurements of the mean velocity.

### CORPORATE HEADQUARTERS

6837 Nancy Ridge Drive, Suite A  
San Diego, CA 92121  
Tel: (858) 546-8327  
Fax: (858) 546-8150  
e-mail: [sales@sontek.com](mailto:sales@sontek.com)  
website: [www.sontek.com](http://www.sontek.com)