

# Velocity SOFTWARE

Sentinel V's latest **Velocity** and **ReadyV** software have powerful features, multiple views, touch-screen capability, and highly intuitive interface. If you can navigate a smart phone—you're ready for Velocity and ReadyV.

## Self-Contained Sentinel V Operations

### ReadyV: Pre-Deployment Software

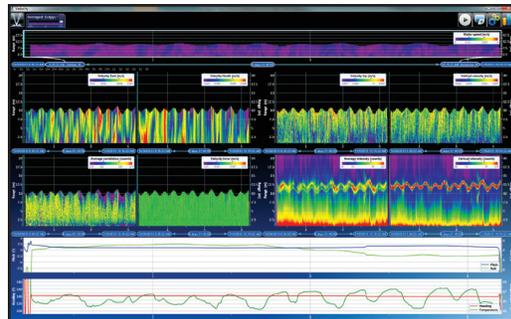
Our pre-deployment software is an all-purpose, real-time planning tool with an interface simple enough for a brand new ADCP user, yet powerful enough for the seasoned pro.

#### Features include:

- Onboard Software. The software required to configure, deploy, and recover your data is resident on the ADCP. That means no software to install, no administrator access needed to acquire, and no need for a dedicated computer. All that's required to communicate with your ADCP is a wireless computer of opportunity and web browser. This feature also allows you to keep your system's software and firmware up to date.
- Intuitive Interface. ReadyV delivers a user-friendly interface that literally steps you through your pre-deployment planning to configure the Sentinel V for deployment, running all pre-deployment tests, and starting the deployment properly configured for the task at hand.

- Onboard Maintenance Log. When was the last time the compass was calibrated? The batteries changed? O-rings replaced? Now this information and more can be stored on the Sentinel V itself, for ready access whenever you are connected to the instrument.

### Velocity: Post-Processing Software



Sentinel V's latest ADCP post-processing software provides users with turnkey processes and tools that will wow even our most seasoned ADCP veterans. The features are too many to list in this small space, but highlights include:

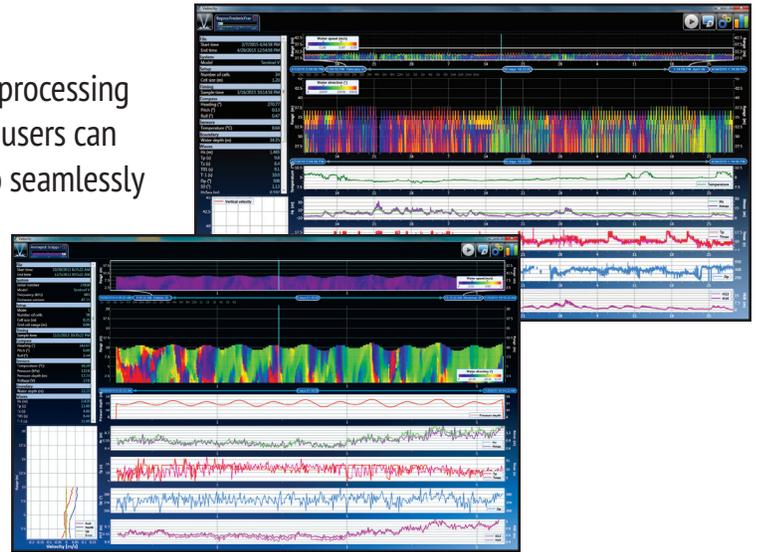
- Intricate 2D and 3D graphs including:
  - Time series graphs
  - Contour graphs
  - Profile graphs
  - 3D surface/contour/profile graphs
- Basic/conventional processing features including averaging, coordinate transforms, and velocity reference
- Comprehensive, advanced, and fully customizable data processing engine
- Comprehensive log of all loaded and recent data files
- Export to multiple output formats



## Velocity Waves Processing Software:

Capitalizing on WAVESMON, our highly-popular waves processing software used with our Workhorse products, Sentinel V users can now use Velocity with its built in WavesMon features to seamlessly post process your Sentinel V data.

Velocity displays 2D contour currents and times series of waves within a single display, allowing for easy comparison of currents and waves for both novice and expert users. Further data displays can also be accomplished through our new WavesView software.



# Real-Time Sentinel V Operations

## Sentinel V Real-Time Utilities

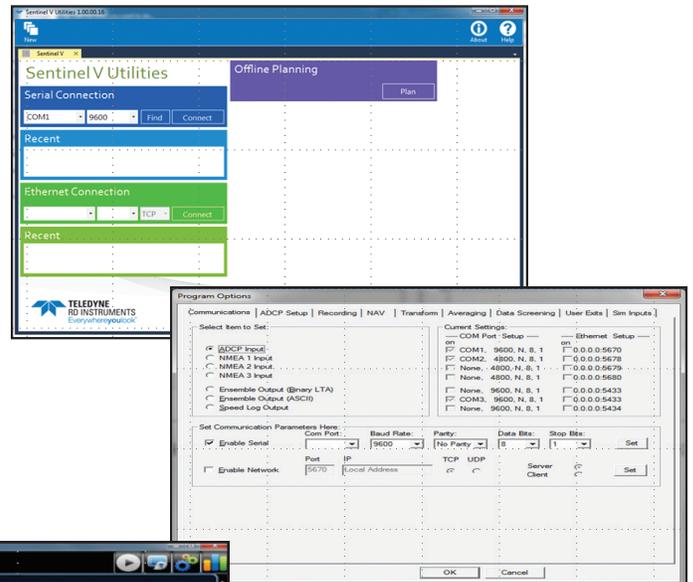
Sentinel V's latest Real-Time release includes a new software package, Sentinel V Real-Time Utilities, which includes a built-in wizard for those who prefer a step-by-step walk through to deploy your Sentinel V, or it can be bypassed if assistance is not required.

### Features include:

- **Sentinel V Real-Time Utilities Pre Deployment Testing:** Using the built-in wizard, or clicking directly on the self-tests allows the user a quick verification and safeguard that the system is ready to go for your real-time deployment.
- **Real-Time Data Collection Options:** The software offers users the ability to collect data through either a built-in terminal emulator, or our long-standing VM-DAS software for those that prefer this familiar format.

## Post-Processing:

- The **VMDAS** program allows users to both reprocess and playback the data with profile and ship track plots.
- The **Velocity** software program allows users to play back the data with 2D/3D contour and time series plots.



Top: Sentinel V Utilities for Real-Time Data Collection

Above: Supports real-time current profile data collection from a Sentinel V mounted on a vessel

Left: Supports playback of data collected by VMDAS with GPS referencing (includes support for WH and OS/OO data sets!)

