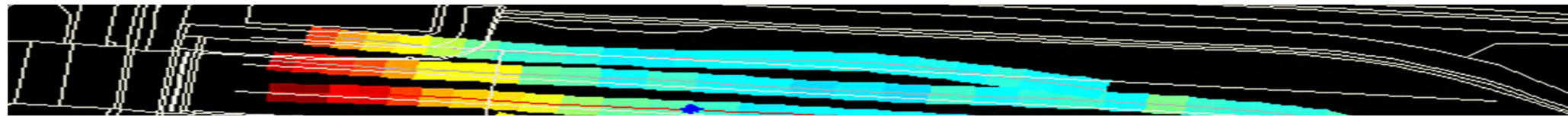


ViSea DAS

With ViSea Data Acquisition Software (DAS), you can acquire, playback and (batch) reprocess ADCP data in real time.

FEATURES

- Multi-sensor acquisition.
- User defined ASCII output.
- Post-acquisition corrections.
- Hot Keys.
- Multilingual capability.
- Slave ADCP for vertical beam use, ADCP range extension and dual-frequency operations.



Welcome to ViSea 4.0

Introducing the leading software suite for all your vessel-mounted and self-contained ADCP applications. ViSea was first developed by Aqua Vision over 10 years ago, as a response to the need for ADCP software allowing both real-time data acquisition and the inclusion of external sensors. It has since evolved into a software suite with an array of purpose-built toolboxes.

Whatever your application, ViSea 4.0 has the solution.

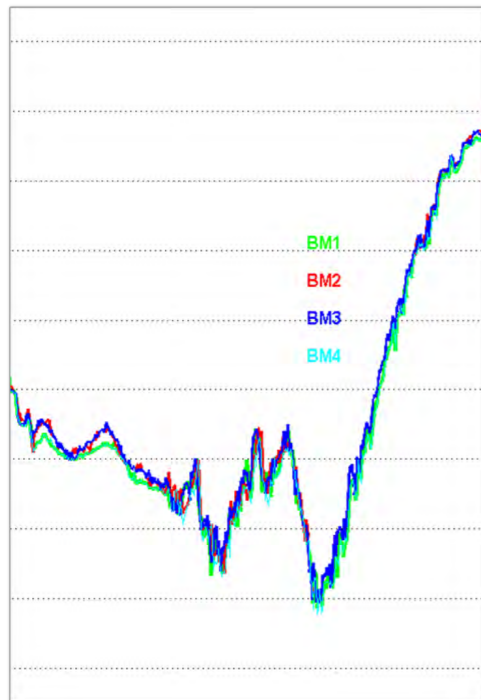
PLUME DETECTION TOOLBOX

Real-time quantification of suspended sediment concentrations/fluxes using ADCP/OBS/CTD data.

FEATURES

- 3D tracking of sediment plumes during sediment relocation, dredge and sediment behavior studies.
- Use for sediment transport-model validation.
- Optimizes parameters during post-processing—e.g. calibration coefficients & grain size distributions.

- Variety of legend colorways.
- Day and night mode.
- Sensor specific offsets.
- Compatible with Teledyne RD Instruments ADCPs.
- Contour plots against time, distance or ADCP ensemble.
- Multi-thread technology.
- Automatic ADCP tests.
- GPS local plane coordinates into your ASCII data.
- Separate configuration and logfile per sensor and measurement.
- Hard- and software break.
- Visualizes transects relative to navigation and/or bottom track data.

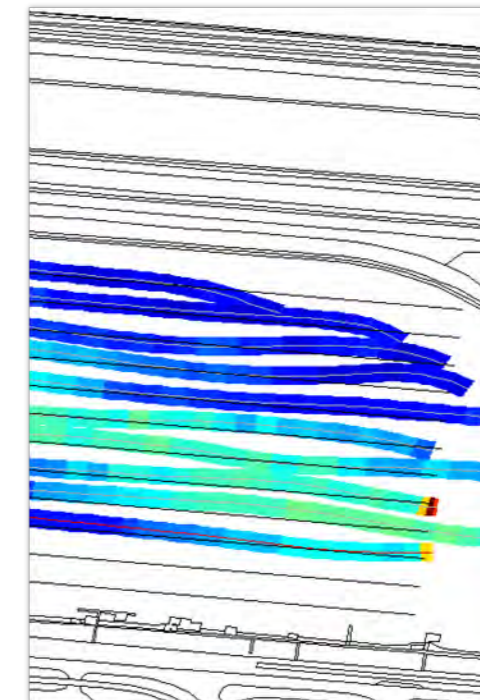
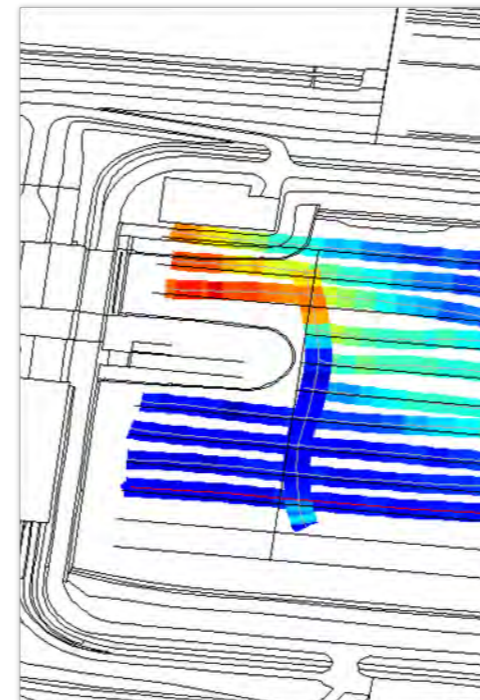


EXPERT TOOLBOX

- Configure advanced ADCP settings.
- Automatic generation and validation of command list.
- Retrieval of current ADCP configuration.

SxS TOOLBOX

- Acquire, playback and process section by section data.
- Reads XML files generated by WinRiver II SxS software.
- Subsection averaging for processing in the Plume Detection Toolbox.



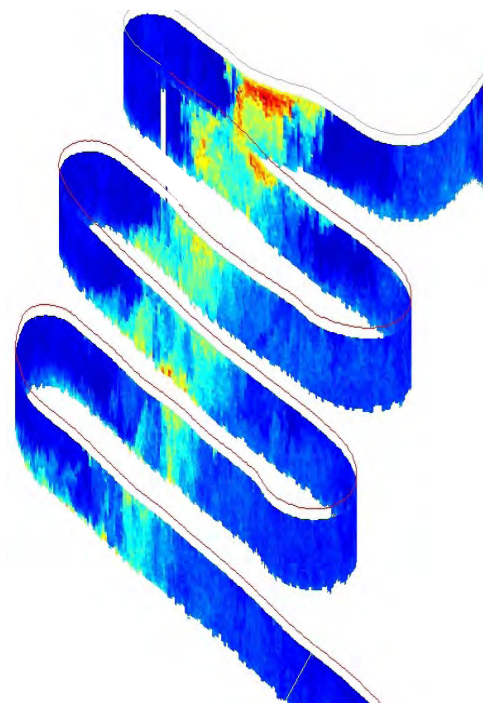
- Calculates correlation between ADCP/OBS, ADCP/water samples, OBS/Water samples.
- Import a background, e.g., AutoCad dxf and dwg map files of survey location.
- Apply to self-contained ADCP data.
- Calculates sediment attenuation using an iterative calculation procedure.
- Operates external pump devices using modbus protocol.
- Places a date and time stamp in the data.

QUAD BEAM TOOLBOX

- Use ADCP as a 4 beam echosounder.
- Visualize ADCP bottom track in 3D.
- Pitch, roll and heave compensation.

SELF-CONTAINED TOOLBOX

- Acquire and manage self-contained ADCP data.
- Calculates power and storage requirements.
- Automatic deployment/data recovery.



GPS

TransducerPos

Multi Beam

Environmental

MultiSensorProbe

Discharge

ADCP

ADCP SEGMENT 34

SURVEY TOOLBOX

Creates a project based workspace with 3D visualization of survey tracks and navigational aids.

FEATURES

- Automatic edge estimation using waypoints.
- GPS coordinates to extrapolate edge estimates.
- Automatic export of contour plots into Google Earth.
- Collapsible displays.
- Plot and view data through time.

LOWERED ADCP TOOLBOX

For real-time calculation and visualization of current velocity and direction using lowered-ADCPs.

FEATURES

- Displays coupled (master and slave) and single ROV-mounted ADCPs.
- Displays time averaged velocity profiles from vessel-mounted ADCPs.
- Averages beam, bin and ensemble in time and place.

