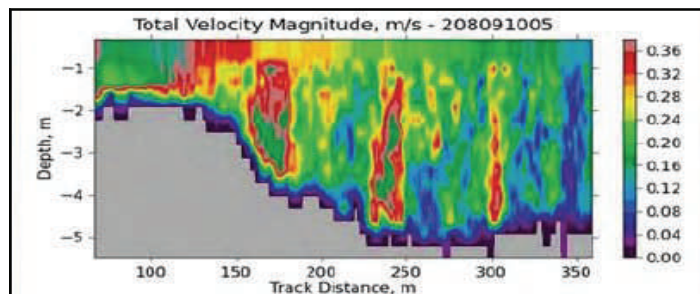
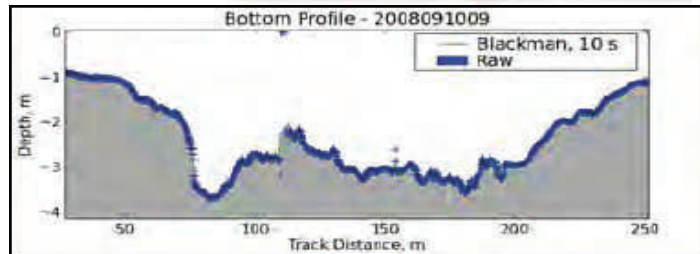




The leading **designer** and manufacturer of

**surface  
drifters**

## ClearSat Littoral Drifter



The Littoral Drifter combines within a compact surface drifter hull GPS, Nortek Aquadopp vertical profiling ADCP and on-board processing to measure and record in a Memory Card 3-D currents from the surface to the bottom and to discern the depth and quality and consistency of the underlying sediments. A summary of the collected data is relayed in real time by Iridium SBD. Currents can be profiled 0–6 m or 0–20 meters using

a 1MHz or 2 MHz Aquadopp sensor. Data can be displayed to show 3-D currents and bathymetry along the drift track of Littoral Drifter. GPS is sampled at 1Hz. Position, time, velocity and location parameters are recorded in detail. The microprocessor controller and transmitter are contained completely within a rugged anodized aluminum hull. Spars are fully retractable for easy stow-

age. Data download, firmware upgrades, battery charging and Aquadopp configuration are accomplished through waterproof connectors.

Littoral Drifter will be useful to oceanographers, coastal and coastal engineers needing to survey currents in shallow coastal waters. Such as tidal flows into and out of flats and over rapidly varying bathymetry.

### Technical Specifications:

Physical	Hull is 3.5 dia x 27 in.: Weight 13 lbs.. Drogue: 2 ft. cross-section..
Power supply	.Rechargeable Ni-MH battery sufficient for 12 hours operation at 1 Hz data collection rate.
RF Output:	1). 1.6 Watts into 50 Ohms (9601 Iridium transceiver).
SST:	-5.0 to 45.0 +/- 0.1 C. 10-bit resolution with standard calibration:
GPS	Latitude, longitude +/- 0.00005 deg. Precision; positioning every 2, 1, 0.5, or 0.25 hour.
Aquadopp	1 or 2 MHz. Up to 20 cells. Full Aquadopp message recorded internally.
Data Storage	256 MB.
Environmental	-50 to 30C storage; -5 to 45 C operation.

Clearwater Instrumentation, Inc.

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For information about Argos data collection services ( USA: [clsamerica.com](http://clsamerica.com) Non-US users: [cls.fr](http://cls.fr) )