

Autonomous Mooring at Saanich Inlet Sill ^[1]

Submitted by Rory Lattimer Tue, 2012-09-18 00:00

On 7 September 2012, Paul Macoun and Richard Dewey headed out with the Ocean Technology Laboratory (OTL-UVic ^[2]) engineers Emmett Gamroth and Jeff Kennedy to deploy a small autonomous (internally recording) mooring just inside the sill at the entrance to Saanich Inlet. The mooring includes a Seabird CTD with oxygen sensor and a 300kHz RDI Acoustic Doppler Current Profiler. It was deployed at 48 41.301N 123 30.024W in 90m of water.



[3]

This 8-month deployment will monitor the exchange flows into the inlet, quantifying the density and oxygen concentration of the deep water renewals, and, using the current profile, quantify both the periodic deep in-flows and the tidal surface exchanges. This site and data were identified at the Saanich Inlet Symposium as a key set of measurements for understanding conditions further south in the Inlet. Once the experiment is complete that data will be available to the research community.

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Source URL: <http://www.oceannetworks.ca/autonomous-mooring-saanich-inlet-sill>

Links:

- [1] <http://www.oceannetworks.ca/autonomous-mooring-saanich-inlet-sill>
- [2] <http://web.uvic.ca/~lacir/ocean/>
- [3] <http://www.oceannetworks.ca/sites/default/files/images/pages/IOTW/September%2018%202012.jpg>
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