

## Satlantic ISUS VPS Cast Data Product

Device-level data products for each *cast* of the VPS are described here.

[Oceans 3.0 API filter](#): `dataProductCode=SISUSTSVC`

### Revision History

1. 20120530: Initial Release

### Formats

This data is available as a Satlantic RAW file, which may be read and viewed by Satlantic Software, as detailed here: <http://wiki.neptunecanada.ca/display/DP/20>

[Oceans 3.0 API filter](#): `extension=raw`

### Description

VPS Cast data products produce one file or plot for each cast of the **Vertical Profiler System (VPS)**. A cast is defined as a single pass through the water column. Possible values include 'Up', 'Down', 'Up - In Progress', 'Down - In Progress'. The VPS may pause at various levels throughout the water column to acquire data; this behaviour does not interrupt a cast. Only entire casts will be reported, except in the case of a cast that is ongoing in real-time, i.e. an 'In Progress' cast. The up and down casts are kept separate because certain instruments will perform better on either. For instance, the CTD will sample undisturbed water on a down cast as its intake is near the bottom of the of VPS. Please consult individual instruments' documentation for more information: <http://wiki.neptunecanada.ca/display/instruments/22774>

For each cast, a separate Satlantic RAW file will be produced. There is no difference between this data product and Satlantic Raw time series files, other than the file-name. The file-name will contain a device code followed by the file's start time and then a dash to indicate ancillary information that includes the cast direction and cast start and end times, for instance: *satlanticNitrate\_20120101T000000Z-VPS\_Cast\_Up\_from20120101T000000Z\_to20120101T030000Z.raw*. If a cast crosses midnight (which is not in the current schedule), or if there is some data interruption, there may be multiple files produced for a single cast. See the non-cast Satlantic Nitrate Sensor data products page for more information: <http://wiki.neptunecanada.ca/display/DP/20>

### Discussion

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