

OCEAN-CTD Tag

The Oceanic Condition & Environmental Analysis (OCEAN)-CTD Tag can collect Conductivity-Temperature-Depth (CTD) profiles, providing detailed information about the oceanographic environment. Data from the high-resolution temperature and inductive conductivity sensors can be archived on the tag and/or transmitted via the Argos satellite network.

All transmitted profiles can be submitted to the GTS in near real-time

Data

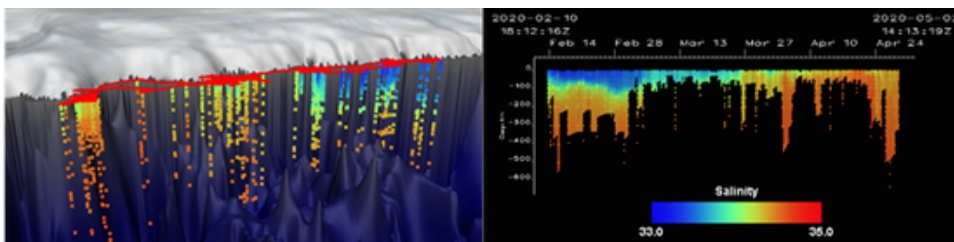
- Summary period of 6 hr
- Approx. 4 oceanographic-quality CTD profiles per day
 - Profiles defined using a 16-pt broken stick approximation
 - Min/Max Depth
 - 8 fixed-depth points
 - 6 broken-stick points
- Dive profiles defined using a 4-pt broken stick approximation

Locations

- Can record both Argos and Fastloc GPS locations. All locations are transmitted via the Argos satellite system.

Specifications

Depth Rating (m)	2000	Salinity (PSU)	
Pressure (dbar)		Range	0 - 50
Range	0 - 2000	Resolution	0.002
Resolution	0.05	Accuracy	± 0.01
Accuracy	2 ± 0.01% / K	Wet/Dry	Ocean - Fresh Water
Temperature (C)		Longevity	Up to 1 yr
Range	-5 - 35	Dimensions (mm)	100 x 70 x 60
Resolution	0.001	Weight (g)	580 (D-cell), 430 (C-cell)
Accuracy	± 0.005	Data Storage	Full dive history archived on the tag



Dive and salinity data from a Weddell seal diving near the Adele Coast, Antarctica.