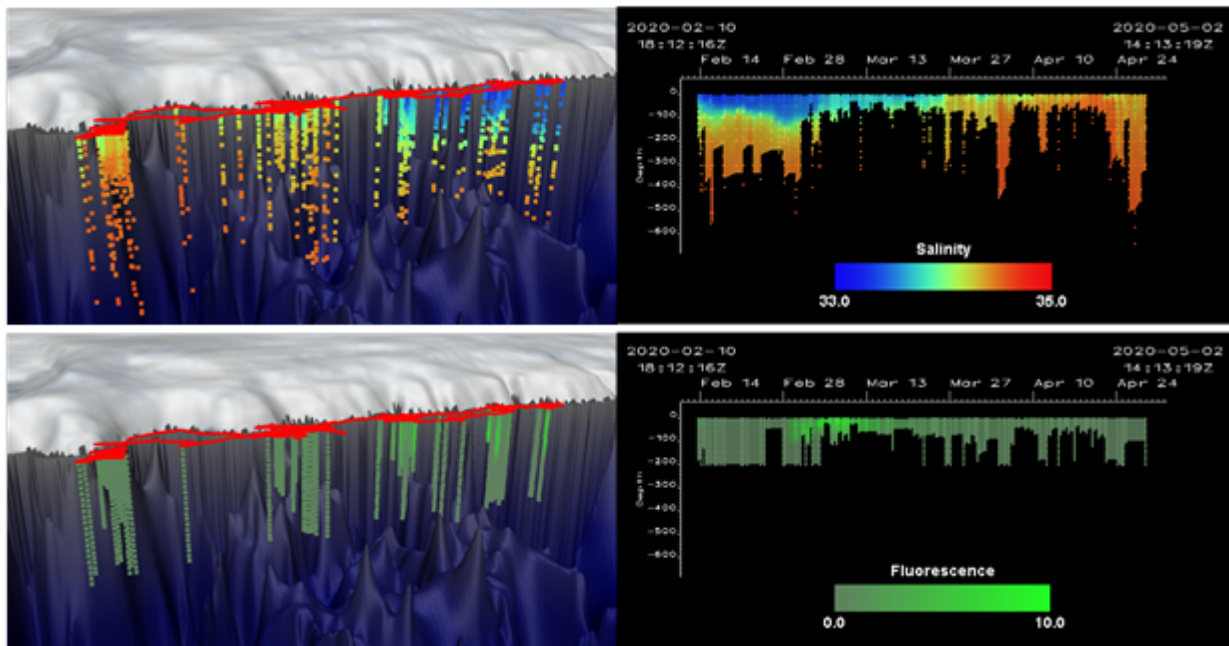


Argos Fluoro/CTD tag

Worldwide oceanographic quality fluorescence and CTD up-casts



Salinity and fluorescence profiles from around the Adélie Coast, Antarctica collected by a diving Weddell seal.

*Dive, temperature, salinity and and fluorescence data relayed via Argos by a SMRU-IG F/CTD tag.
Data courtesy of Jean-Benoit, LOCEAN, Laboratoire d'Océanographie et du Climat.
Image created using SMRU-IG MamVisAD visualization package.*



- Oceanographic quality temperature, salinity and fluorescence profiles (4- 12 profiles per day), which optionally can then be automatically submitted to the GTS in near real-time
- 4-point dive profiles using broken-stick approximation
- 16-point CTD profiles, comprising:
 - 8 fixed points
 - max/min depth
 - 6 broken-stick points
- Fluorescence profiles – 23 equally spaced points, to 250m
- Light profiles- 23 equally spaced points, to 250m
- Up to 50,000 full length Argos data transmissions

Specifications

<i>Depth rating (m)</i>		2000
<i>Pressure (dbar)</i>	Range	0 to 2000
	Accuracy	$2 \pm 0.01\% / K$
	Resolution	0.05
<i>Temperature (°C)</i>	Range	-5 to 35
	Accuracy	± 0.005
	Resolution	0.001
<i>Salinity (PSU)</i>	Range	0 to 50
	Accuracy	± 0.01
	Resolution	0.002
<i>Chlorophyll-α ($\mu\text{g/L}$)</i>	Range	0-125
	Minimum Detectable Limit	0.066
<i>Light (mol/m^2)</i>	Min Detectable Signal	1×10^{-9}
	Max Detectable Signal	2000
<i>Wet/dry switch</i>	From ocean to fresh water	
<i>Longevity</i>	Up to 1 year using D-cell with 50,000 Argos tx	
<i>Max dimensions (mm)</i>	100 x 70 x 60	
<i>Weight (g)</i>	580 (D-cell), 430 (C-cell)	
<i>Data Storage</i>	Full dive history archived on tag	

