

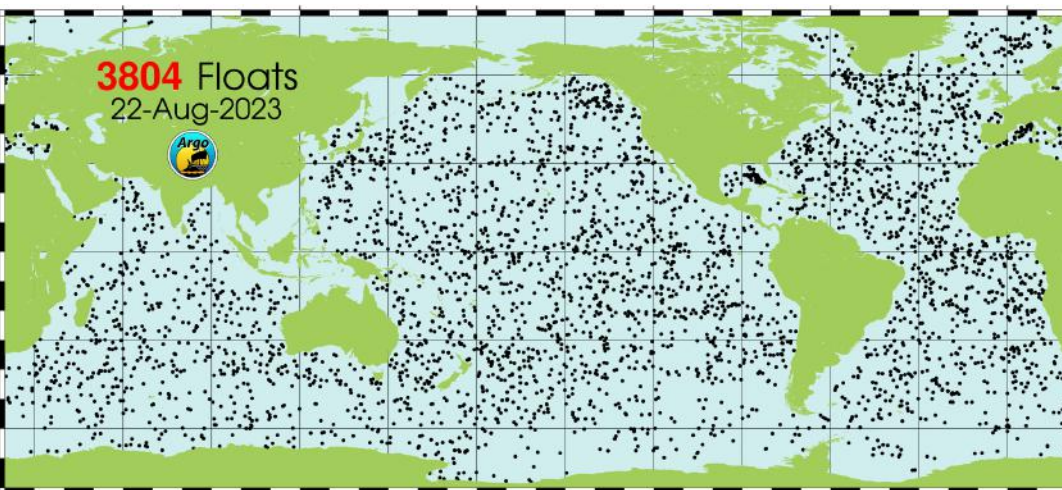
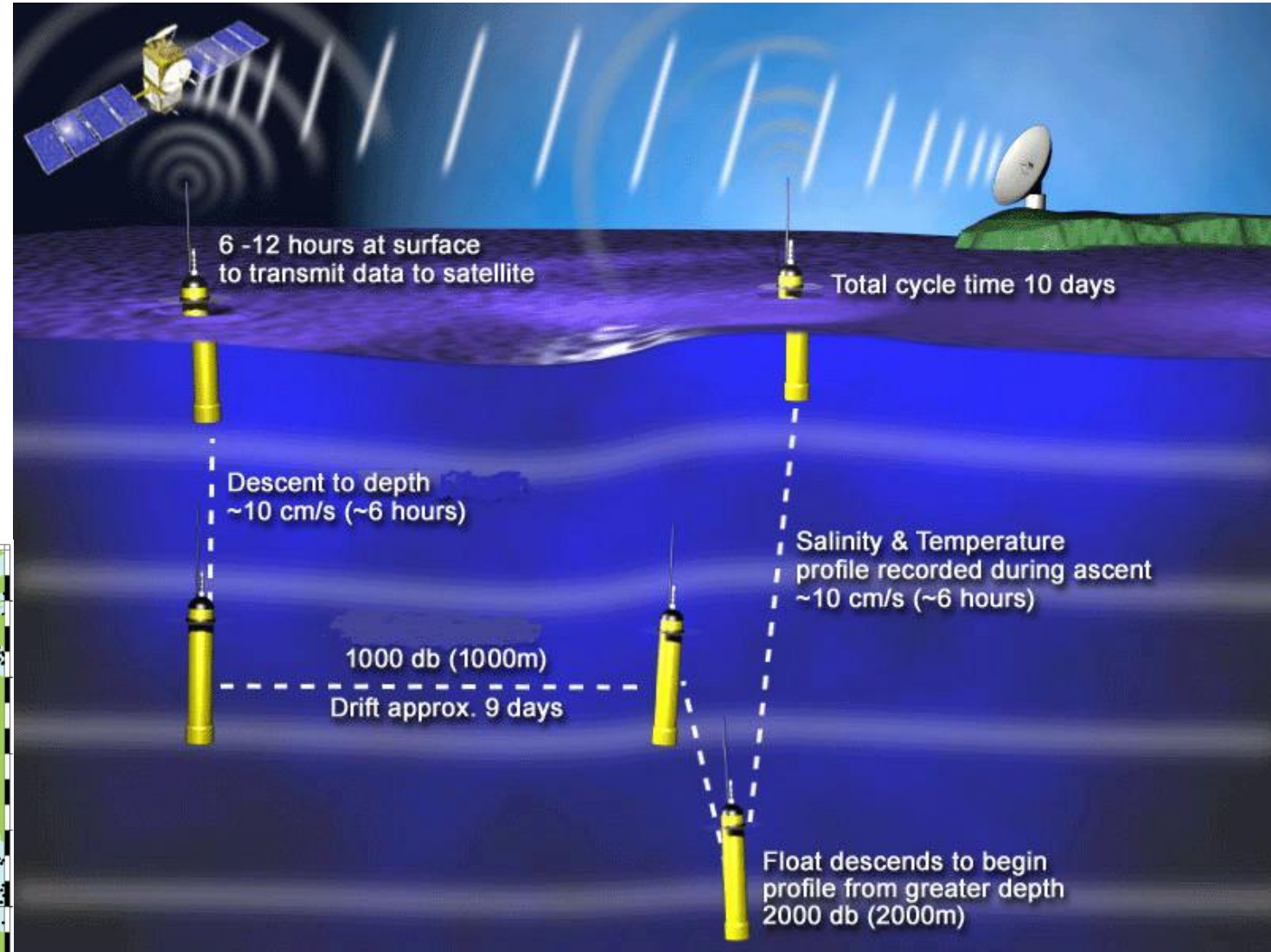
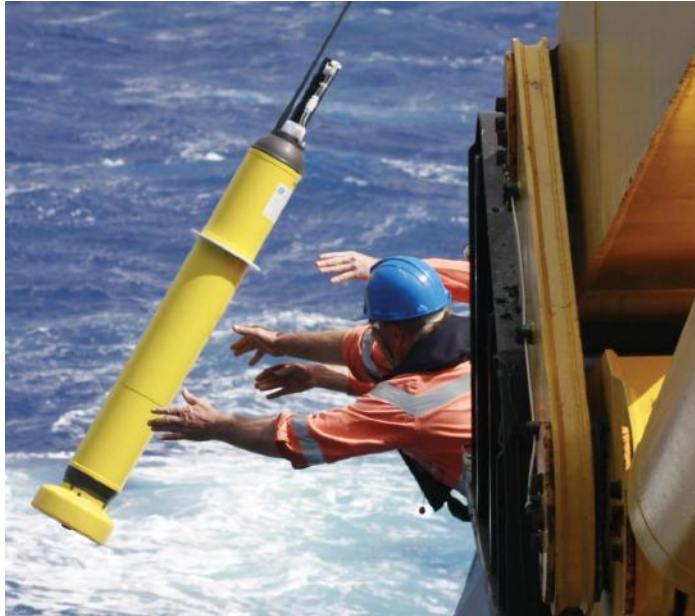


**infiniTE™ Float – A new
autonomous profiling float to
support research, exploration,
military, and offshore industry**

**Yi Chao, PhD
CEO and Founder**

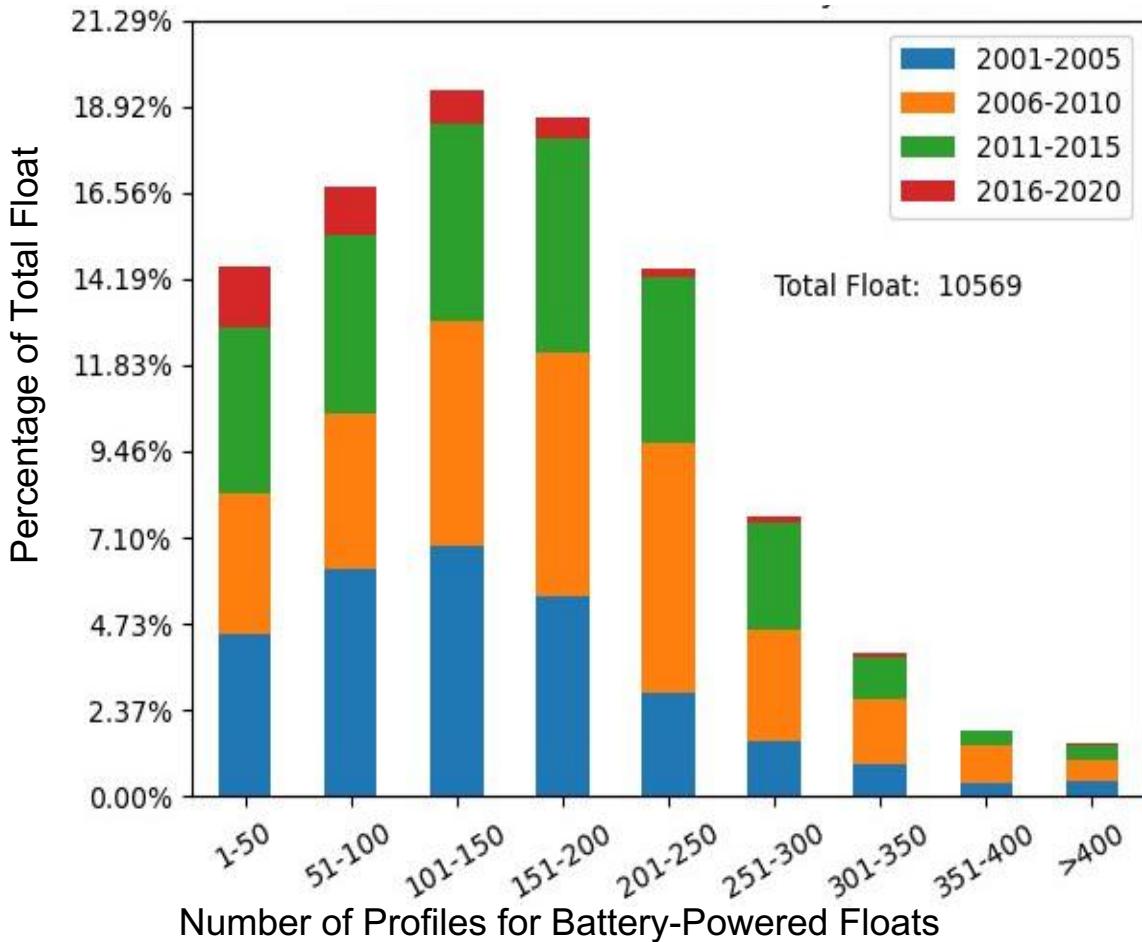


Inspired by Argo – A fleet of 4,000 autonomous profiling floats



Argo floats are powered by batteries with limited life/capability

3 to 6 years (NO acoustic sensors)

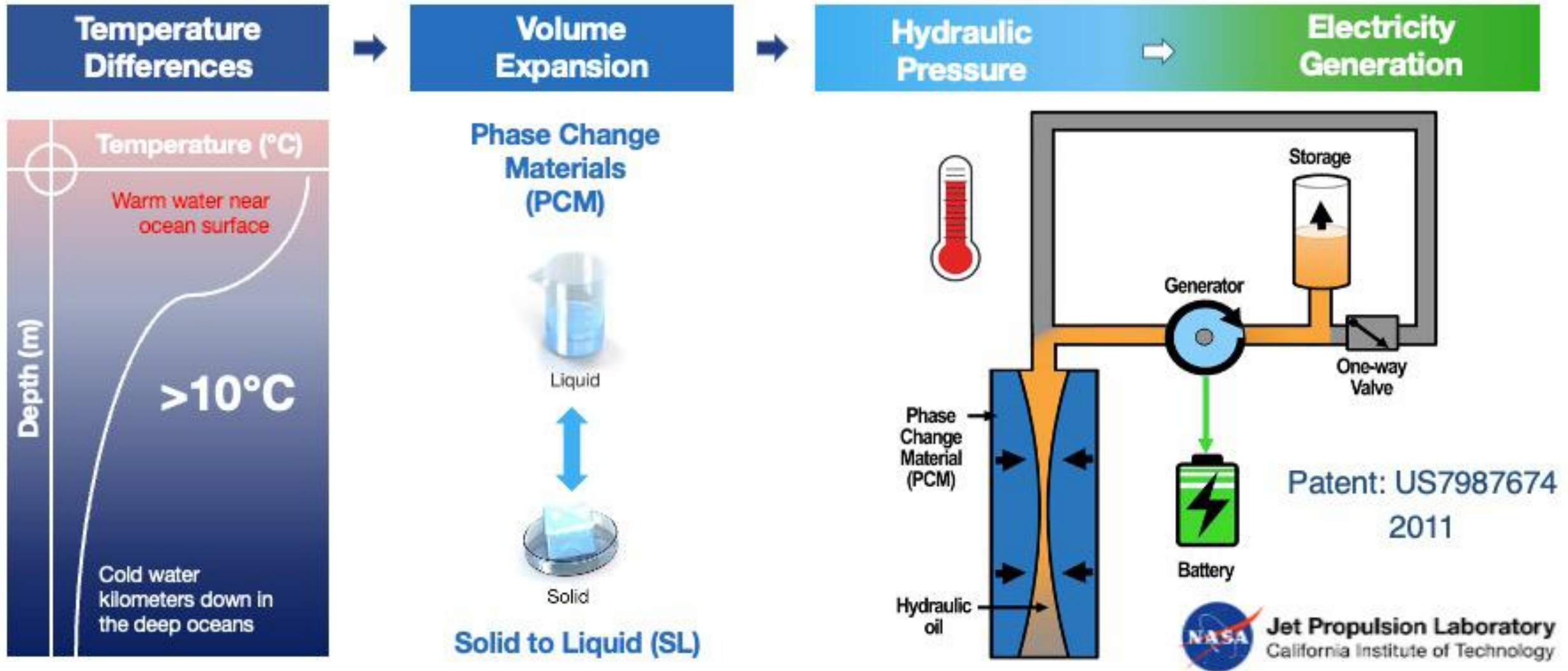


Henry Stommel (1989) envisioned energy being obtained from the ocean's temperature stratification.

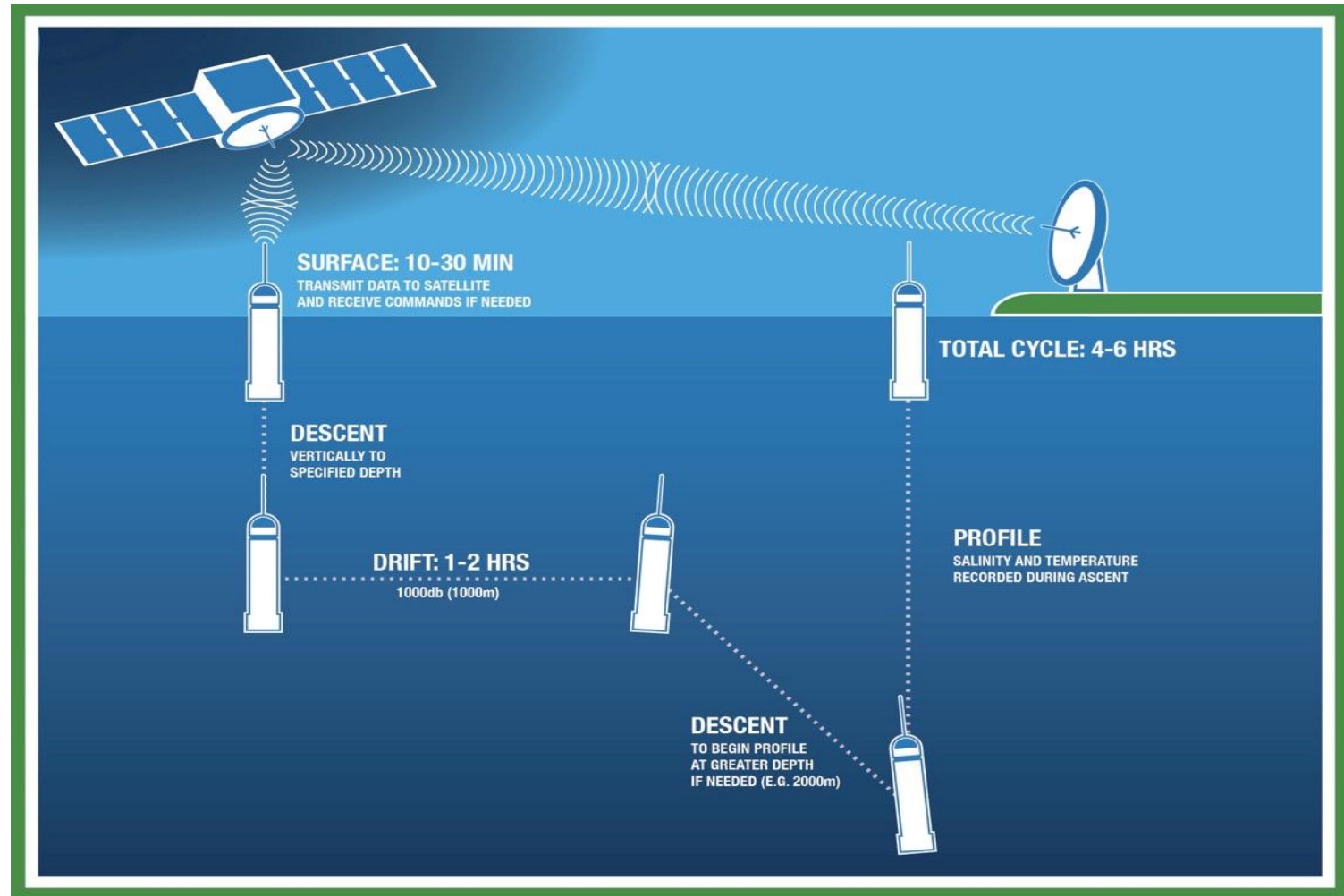


Doug Webb (1992) filed a patent to use temperature-responsive material to change the buoyancy of a vertically moving vehicle.

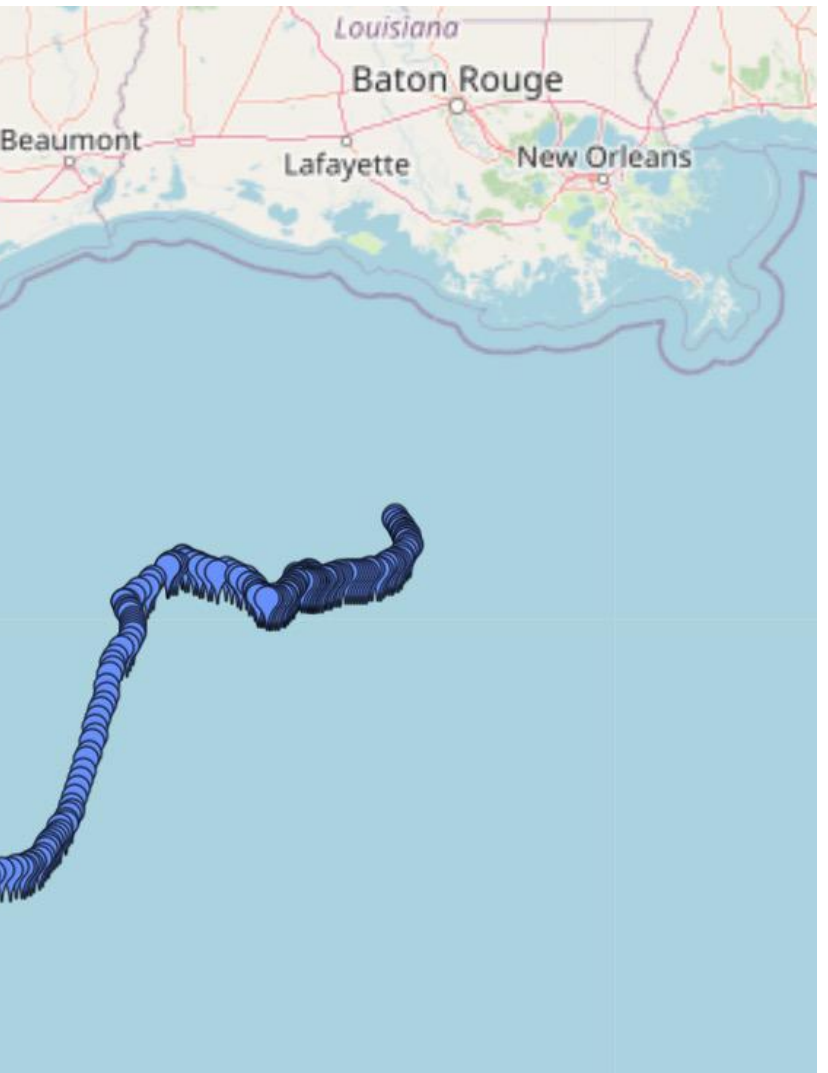
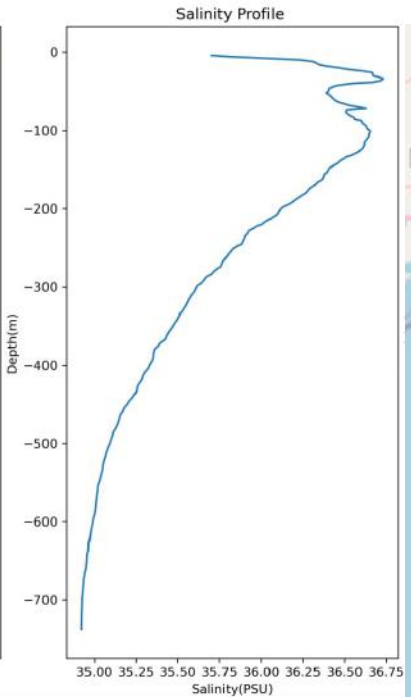
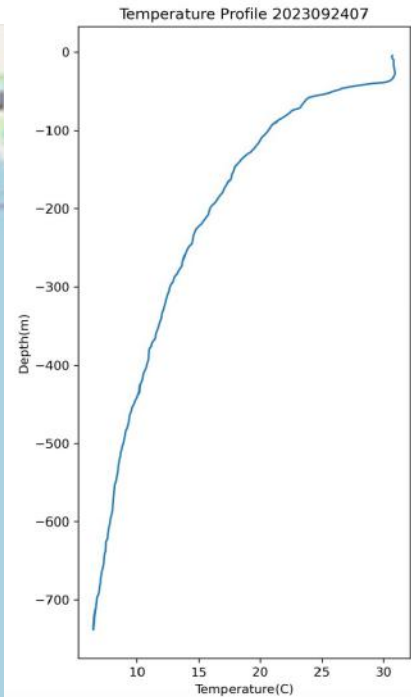
Solid-to-Liquid (SL) Phase Change Materials to Generate Electricity



Seatrec's infiniTE™ float can profile faster and carry new sensors

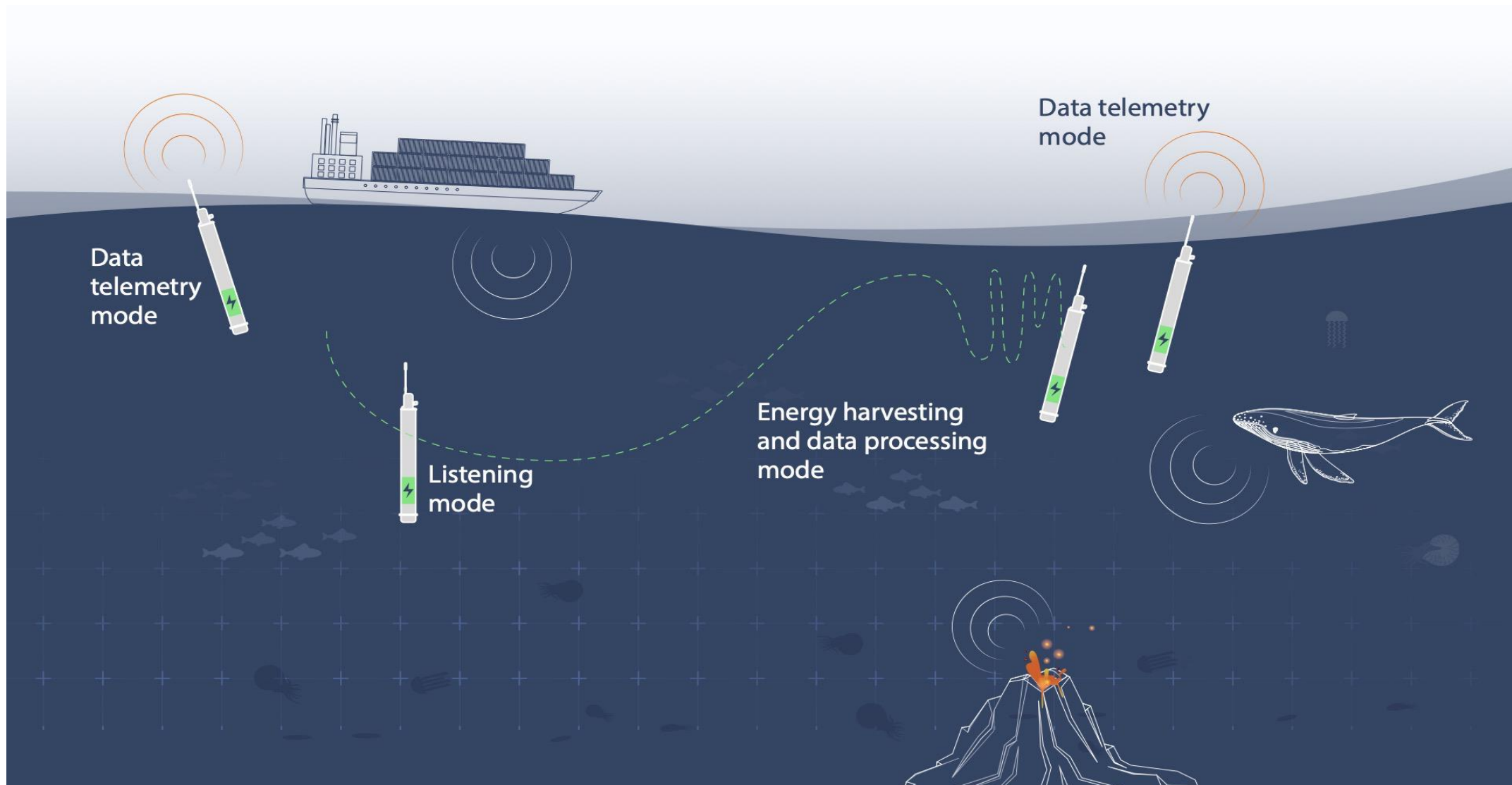


Long-Endurance Tests of CTD Floats in the Gulf of Mexico

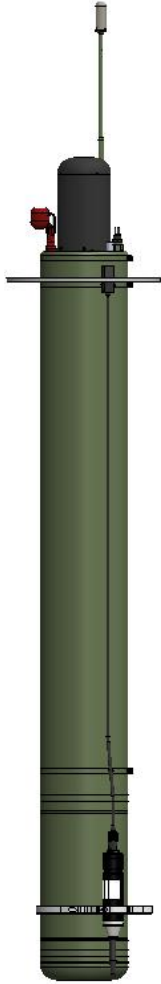


Cycle Number: 515
Time(GMT): 2023-09-24 07:55:09
Latitude: 20.1654N, Longitude: -93.1115W

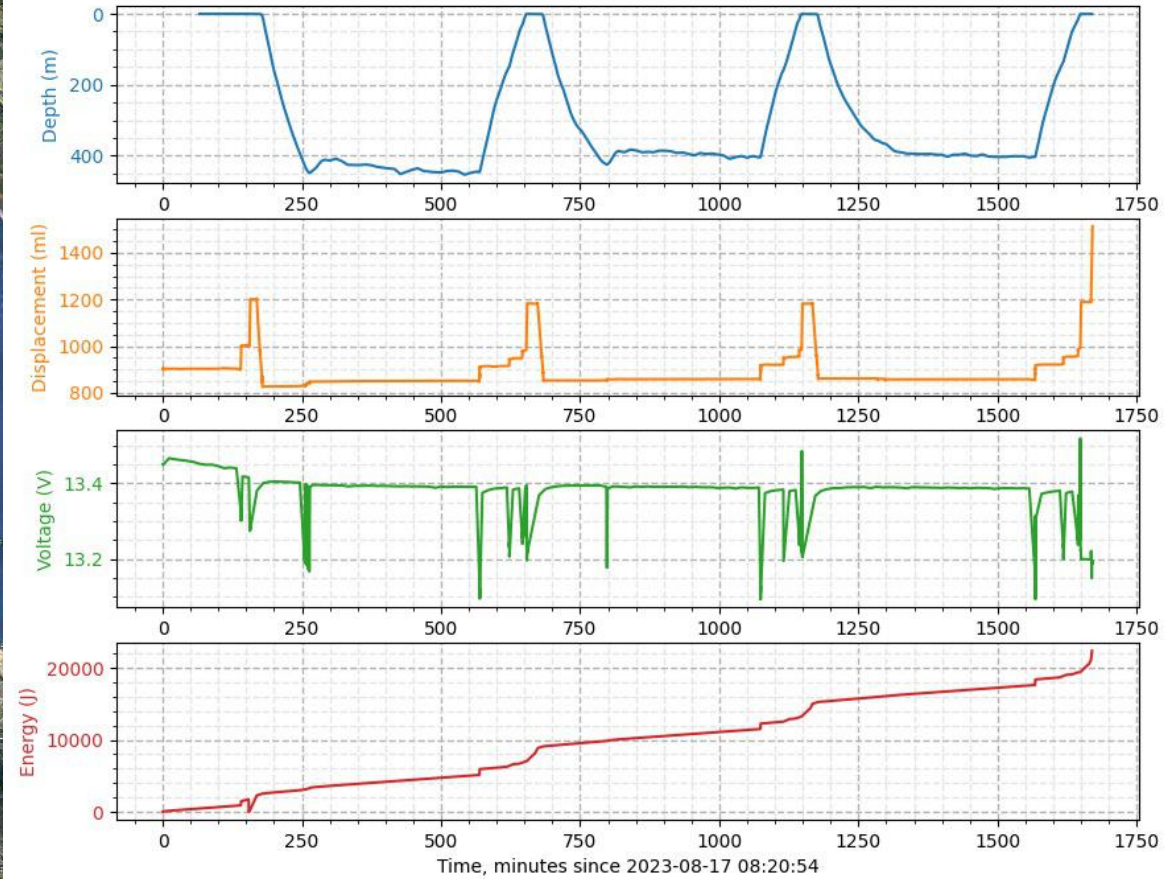
infiniTE™ Float with Hydrophone and Onboard Processing



First Ocean Test of Hydrophone Float in the Monterey Bay



Splash 4: Energy vs Time





Infinite Energy Deeper Insights

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