

- Technical Tasks for TechCom:

Provide clarity on what is currently available commercially, and technically feasible.

1. Current Phase II MERMAID is built by OSEAN. Hydrophone and event (10) buffer.
 - JAMSTEC model (3)
2. CTD package that exists as an add-on for Phase II MERMAID.
3. Buffer being developed is 1 month
 - PRINCETON model (10+2)
 - A. Triggered 3 minutes 20 Hz downsampled = current standard
 - B. Triggered 3 minutes and 3 minutes pre-trigger
 - C. Arbitrary 3 minutes from buffer
 - D. Option 20 Hz or 40 Hz native
4. Pinger
 - A. Bathymetry At each major event detection and when surfacing. Also at non event schedule surfacing.
 - B. Communication, for relative position mainly
5. Magnetometer
6. Plastic sensor
7. Lander