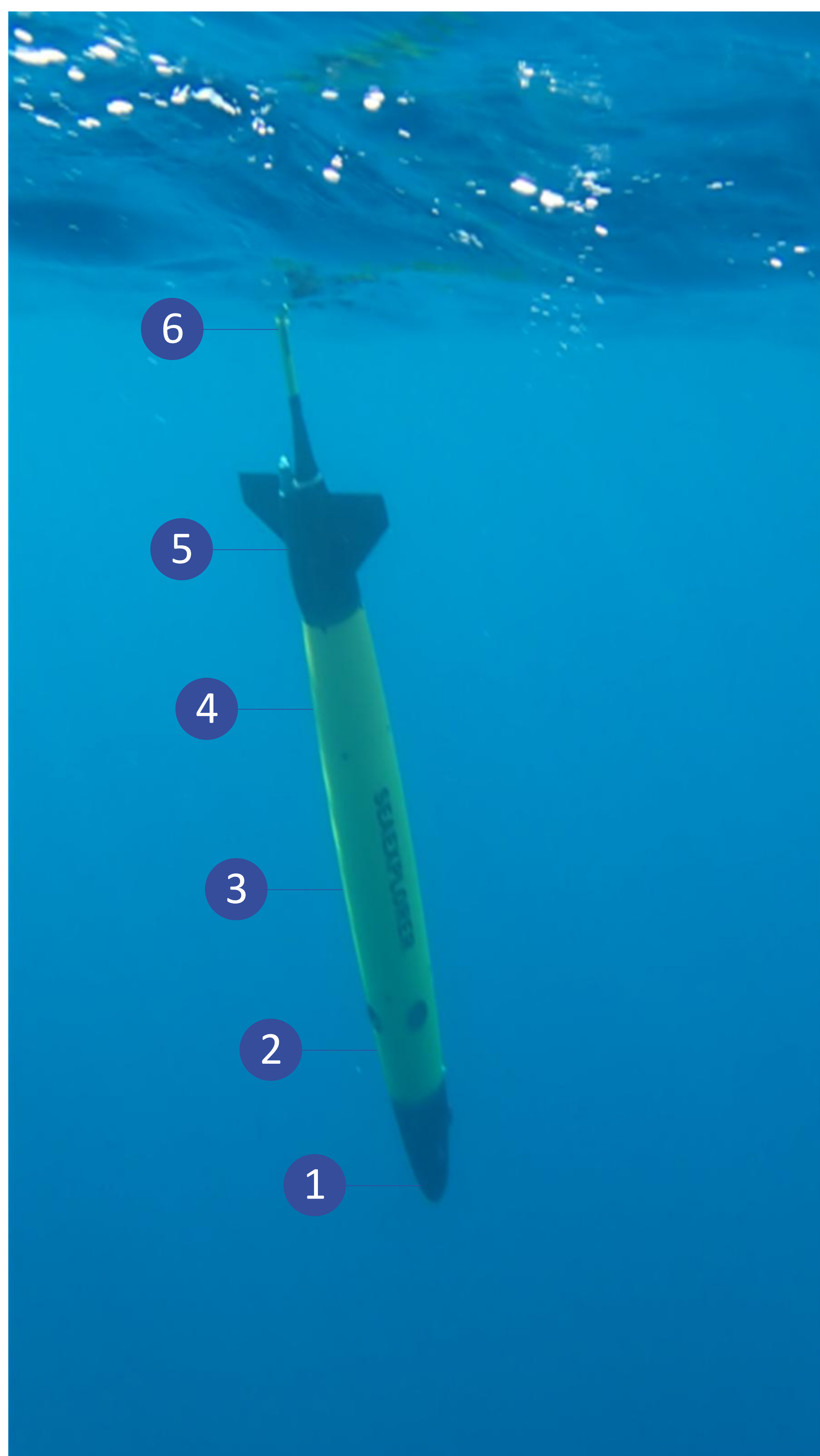


Glider Yoko – Technical Sheet



MODEL

Alseamar Seaexplorer

PHYSICAL DIMENSIONS

- **Length:** 2 m + 1 m foldable antenna
- **Diameter:** 0.25 m
- **Weight:** 60 kg

- 1 — □ Nose section
- 2 — □ Scientific Payload section
- 3 — □ Battery Section
- 4 — □ Navigation
- 5 — □ Aft section
- 6 — □ Antenna

OPERATIONAL PARAMETERS

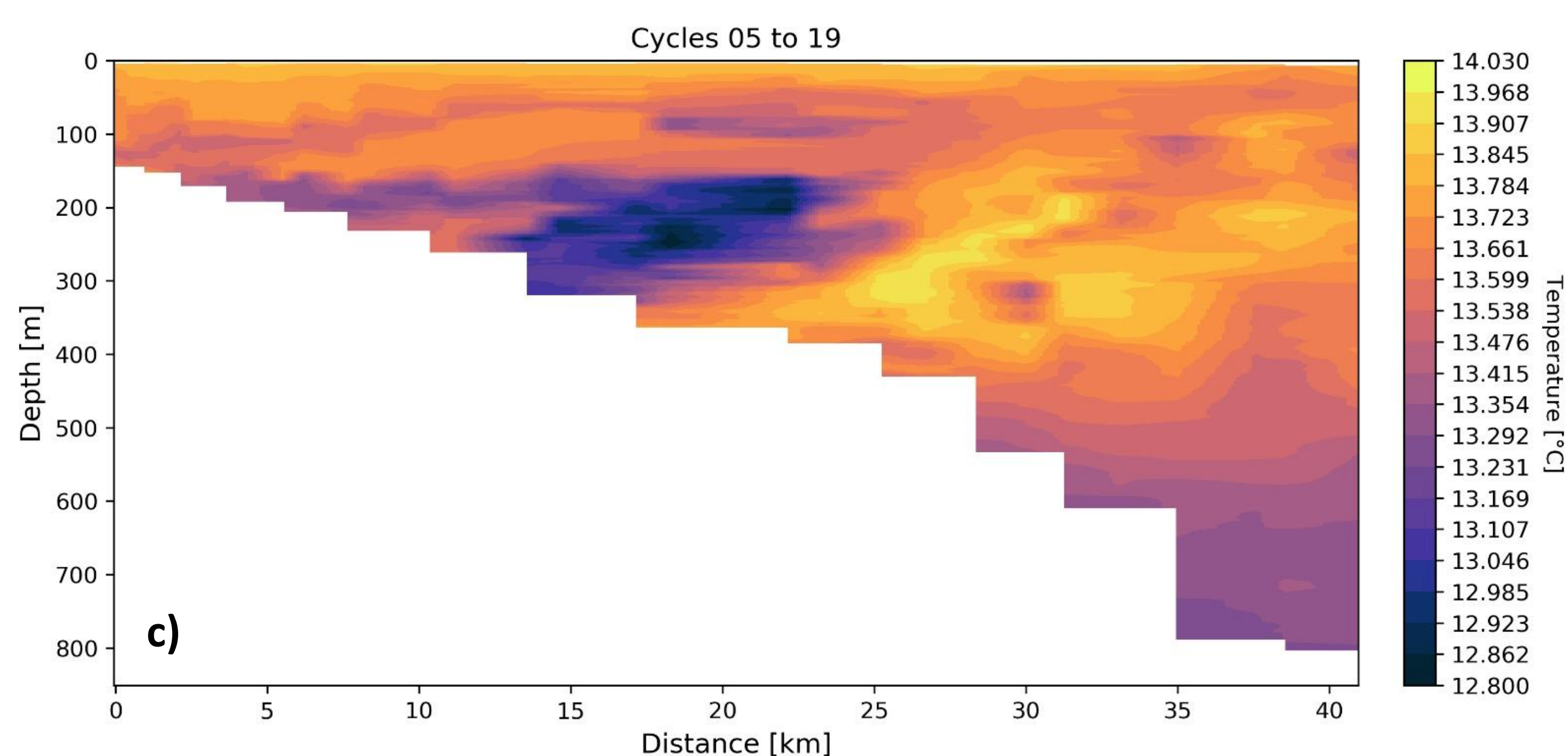
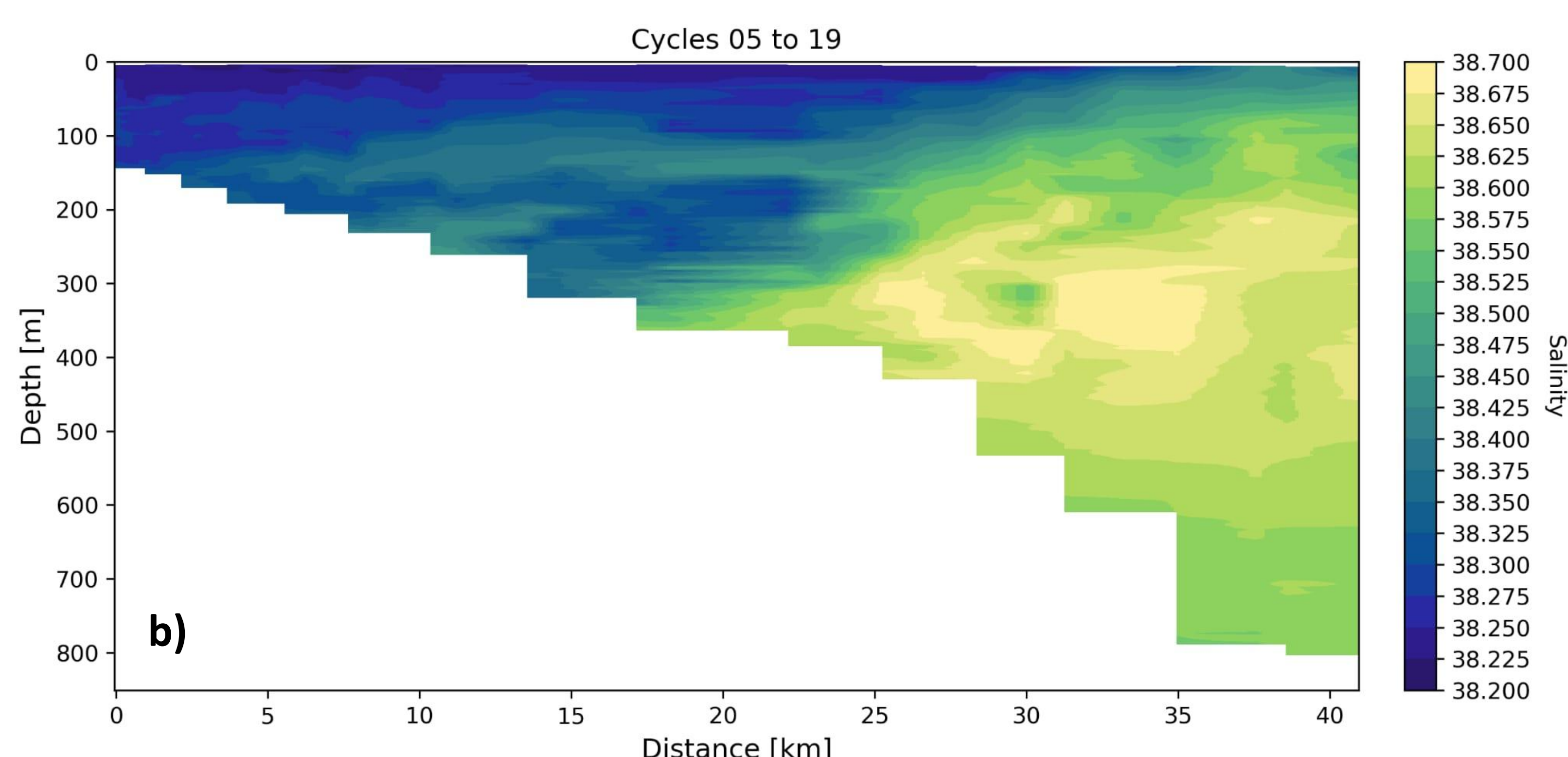
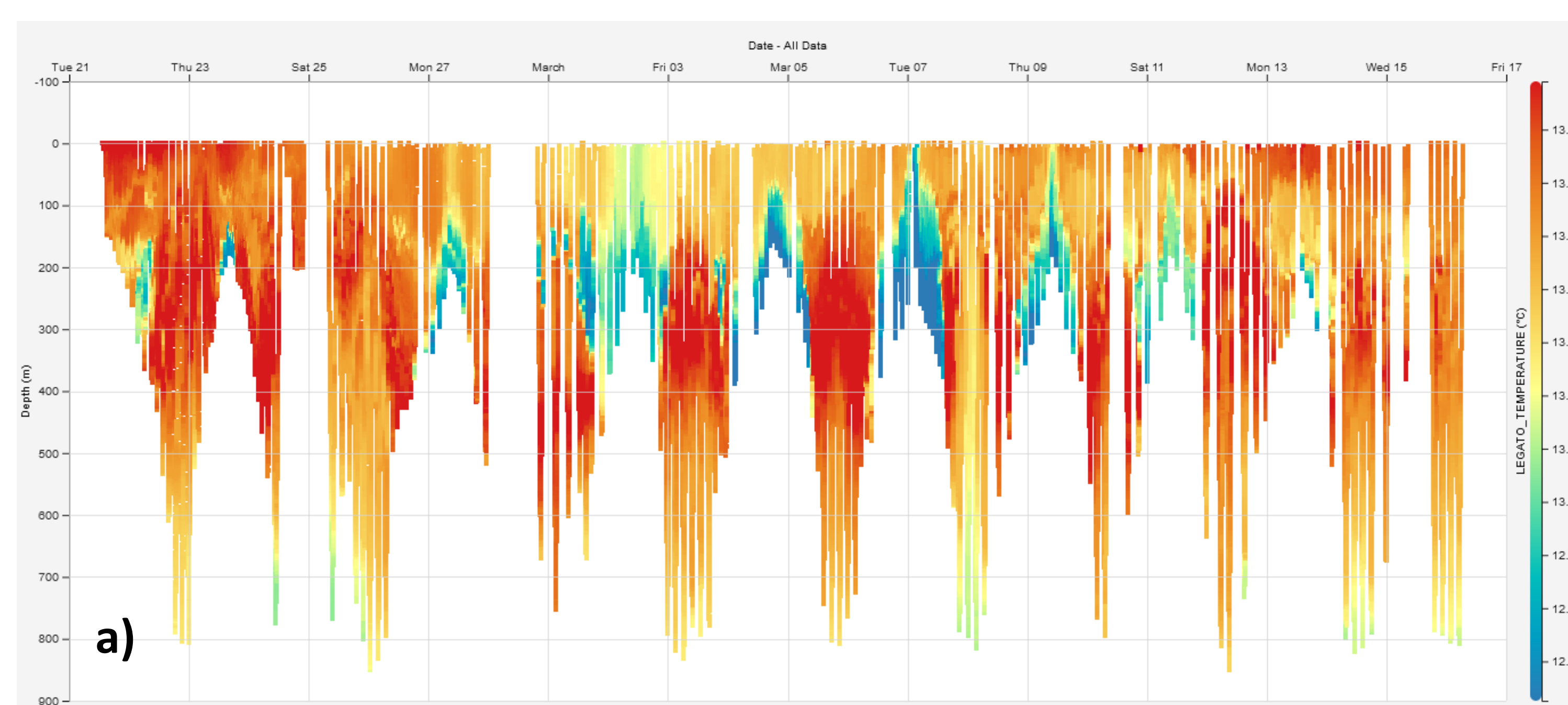
- **Depth rating:** 1000 m
- **Speed:** 0.5 kn nominal
- **Endurance:** Variable - up to 25 days depending on sensor configuration
- **Battery:** Lithium-Ion Rechargeable
- **Charging time:** ~20 h

COMMUNICATIONS

- Iridium
- Radio

SCIENTIFIC PAYLOAD

- **Oceanographic set-up**
 - Pressure sensor
 - CTD RBR Legato + Coda + Tridente
 - ECO Puck FLBB CD - EXP for turbidity and chlorophyll-A
 - Dissolved oxygen sensor JFE Rinko AROD-FT
 - ADCP Nortek AD2CP
- Trace metal set-up with collector cups (optional)



a) Vertical temperature profiles from glider dives off Cape Creus, Catalan Coast;
b) Cross-shore, vertical potential temperature transect off Cape Creus, Catalan Coast;
c) Cross-shore, vertical salinity transect off Cape Creus, Catalan Coast.