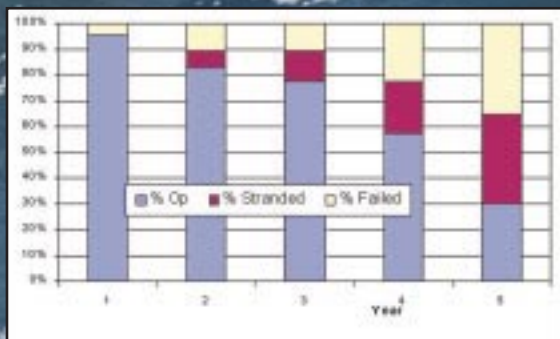




Reliability Records



75% operational after 4 years

PROVOR

PROVOR – Autonomous Oceanographic Lagrangian Profiler

- IFREMER-designed float is extremely reliable and very cost-effective
- Fully ARGO compatible: CTD profiles to 2,000 meters and more than 150 profiles
- “Fan-Tail ready” deployment by ship or aircraft
- Argos-reporting with transmission periods as short as 10 seconds and with multiple Argos ID capability
- Integral element of French *in-situ* operational oceanography program – CORIOLIS



Profiling

PROVOR

Float Dimensions:	Overall Length: 240 cm (94.5 in.) with antenna Hull Length: 170 cm (66.9 in.) Hull Diameter: 17 cm (7 in.) Maximum Diameter: 17 cm (7 in.) Weight: 37 kg (99 lbs.)
Float Construction:	Hull: Anodised aluminium casing
Operation:	Operating Temperature: -2° C to 35° C (28° F to 95° F) Operating Life: 5 years at sea Power Supply: Lithium cells
Storage Conditions:	Temperature: -20° C to 70° C (-4° F to 158° F) Time Before Use: ≤1 year
Buoyancy Management:	Accuracy: ±30 m (98.4 ft.) Number of Profiles: ≥150
User Interface:	Function: Mission programming; float checking; etc. Terminal: PC Link: RS232 Serial Magnetic Switch: Launches float
Telemetry:	Data Transmission: Argos PTT; quarter-wave antenna
Sensors:	<u>Temperature:</u> Range: -2° C to 35° C (28° F to 95° F) Accuracy: ±0.05° C Resolution: 0.01° C <u>Pressure:</u> Range: 0 dBar to 2500 dBar Accuracy: ±10 dBar Resolution: 1 dBar <u>Conductivity:</u> Range: 30 mS/cm to 70 mS/cm Accuracy: ±0.05 mS/cm Resolution: 0.01 mS/cm
CTD Manufacturing:	FSI: Excell® CTD Sea-Bird Electronics: SBE 41CP



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