

# CALIBS



CALIBS (Compact Air-Launched Ice Beacons) are designed to observe sea ice drift through GPS position measurements. Different from SVPs, they may be air-dropped from aircraft. This can be planes or copters.



## Buoy description

Manufacturer:	MetOcean, Halifax, Canada
Manufacturer's name:	CALIBS
Data provider	JouBeh Technologies, Halifax, Canada
Weight	approx. 10 kg
Deployment type	Placement or air-dropped on sea ice

## Technical Details

Measured parameters	Sensor
- Body temperature (°C)	YSI 44032 (accuracy $\pm 0.5^{\circ}\text{C}$ )
- Barometric pressure (hPa)	SETRA or equivalent (accuracy $\pm 1$ hPa)
- GPS position	Jupiter JF2 (Telit) (accuracy: $\pm 2.5$ m)
Measurement interval	Typical hourly, but can be set up as quickly as 15min
Data transmission	same as measurement interval
Data transmitter	Iridium 9602 SBD Transceiver
Power supply	Lithium or alkaline batteries (life time $>1$ year)