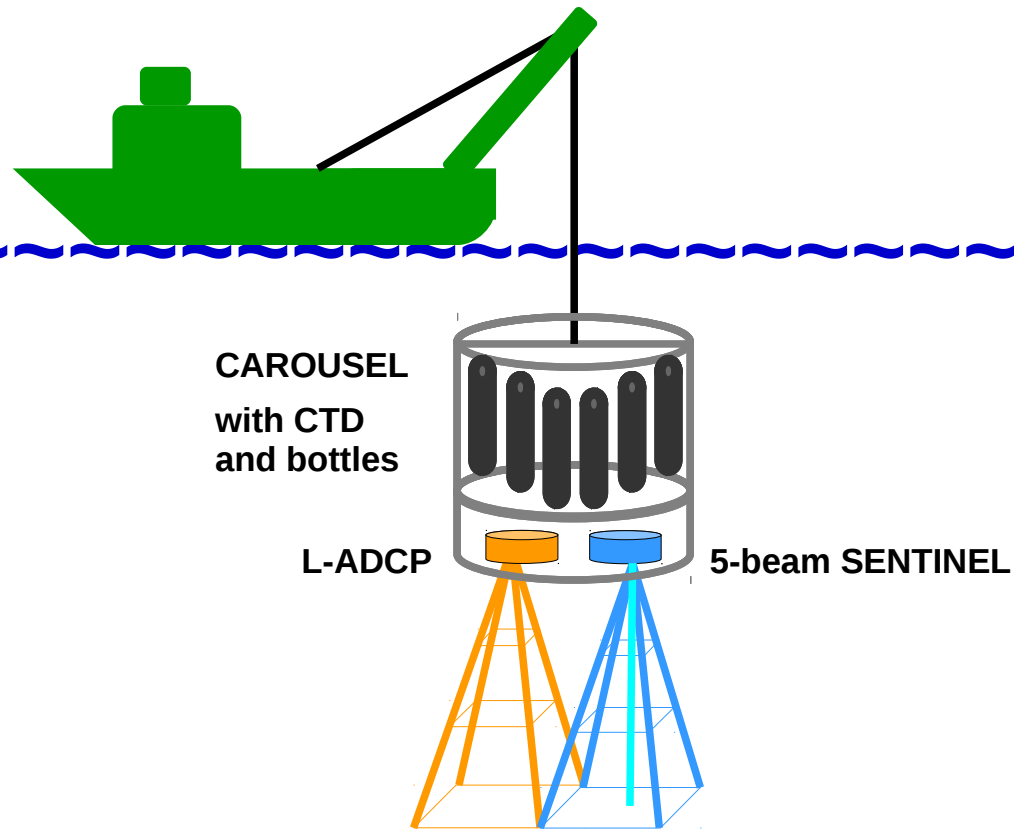
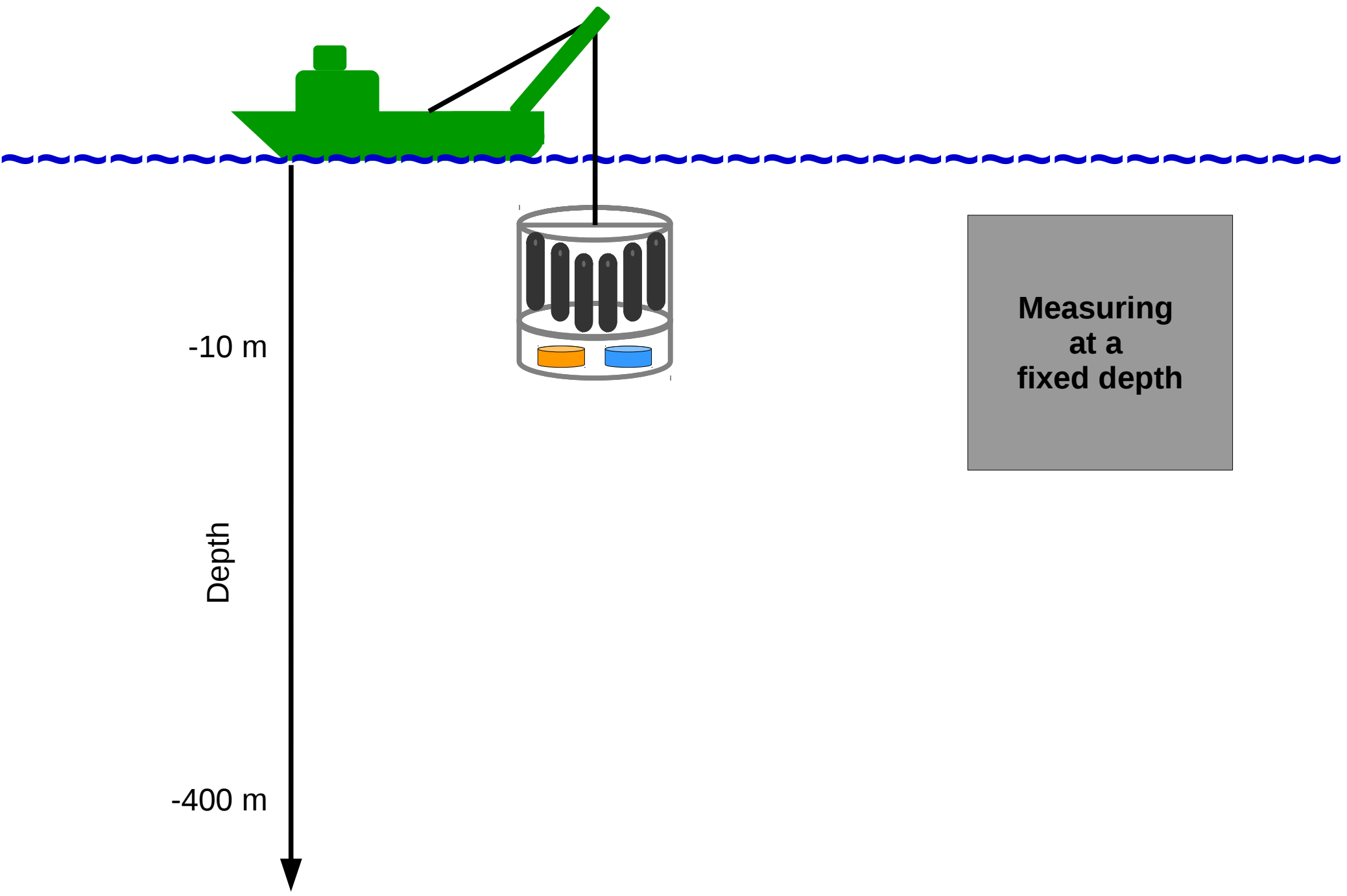
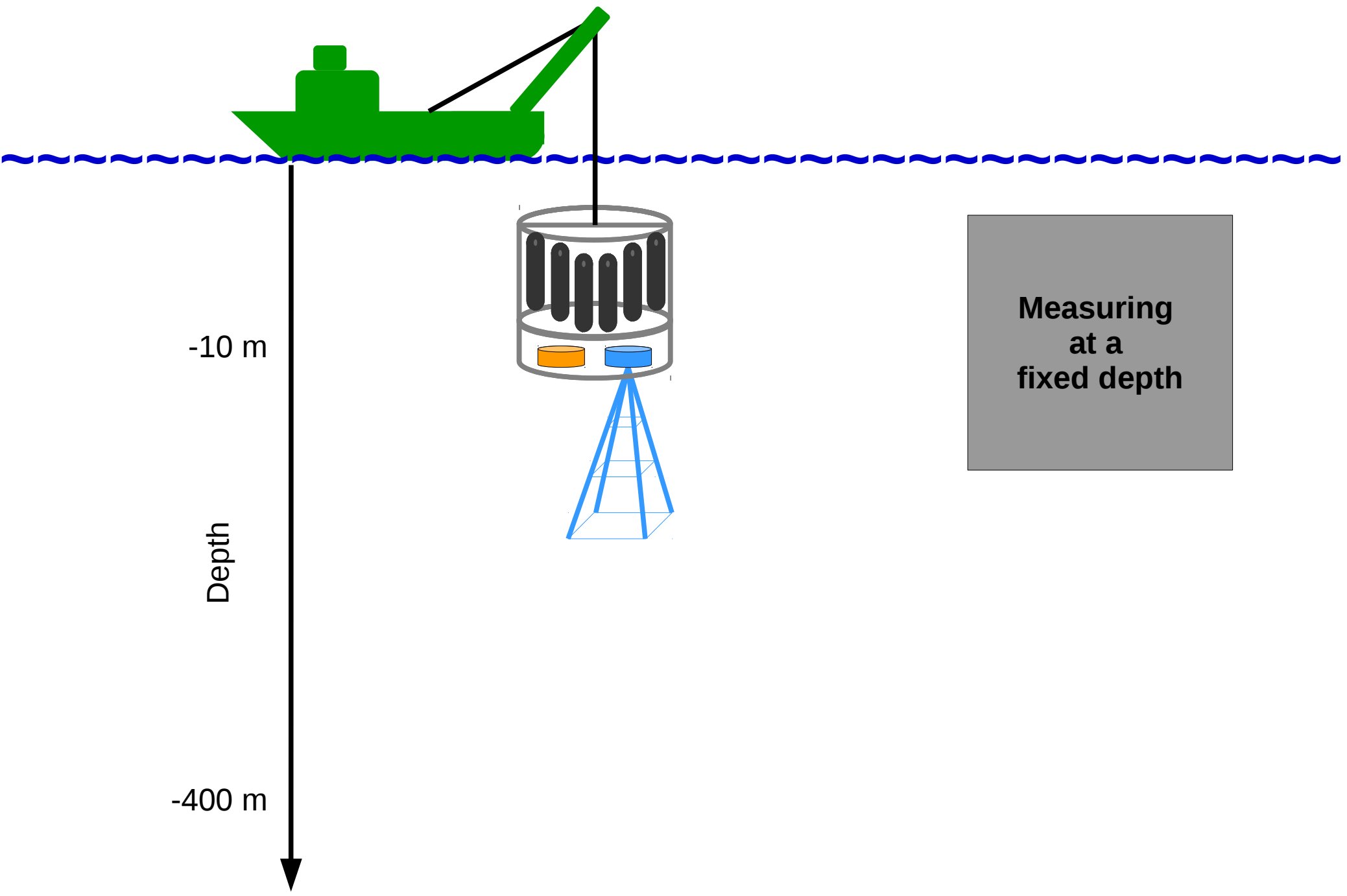


The Five Beam ADCP

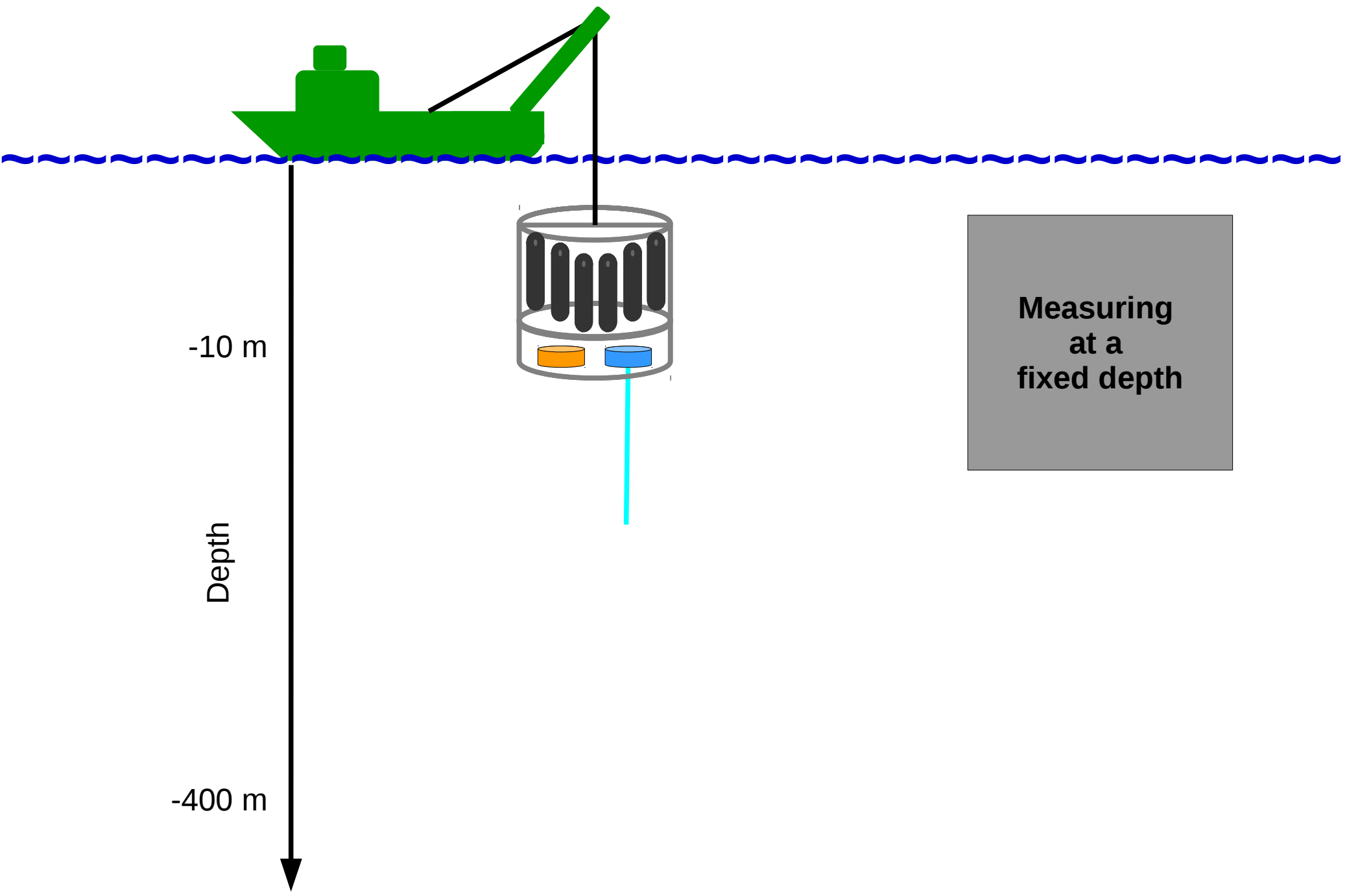
Five Beam Acoustic Doppler Current Profiler



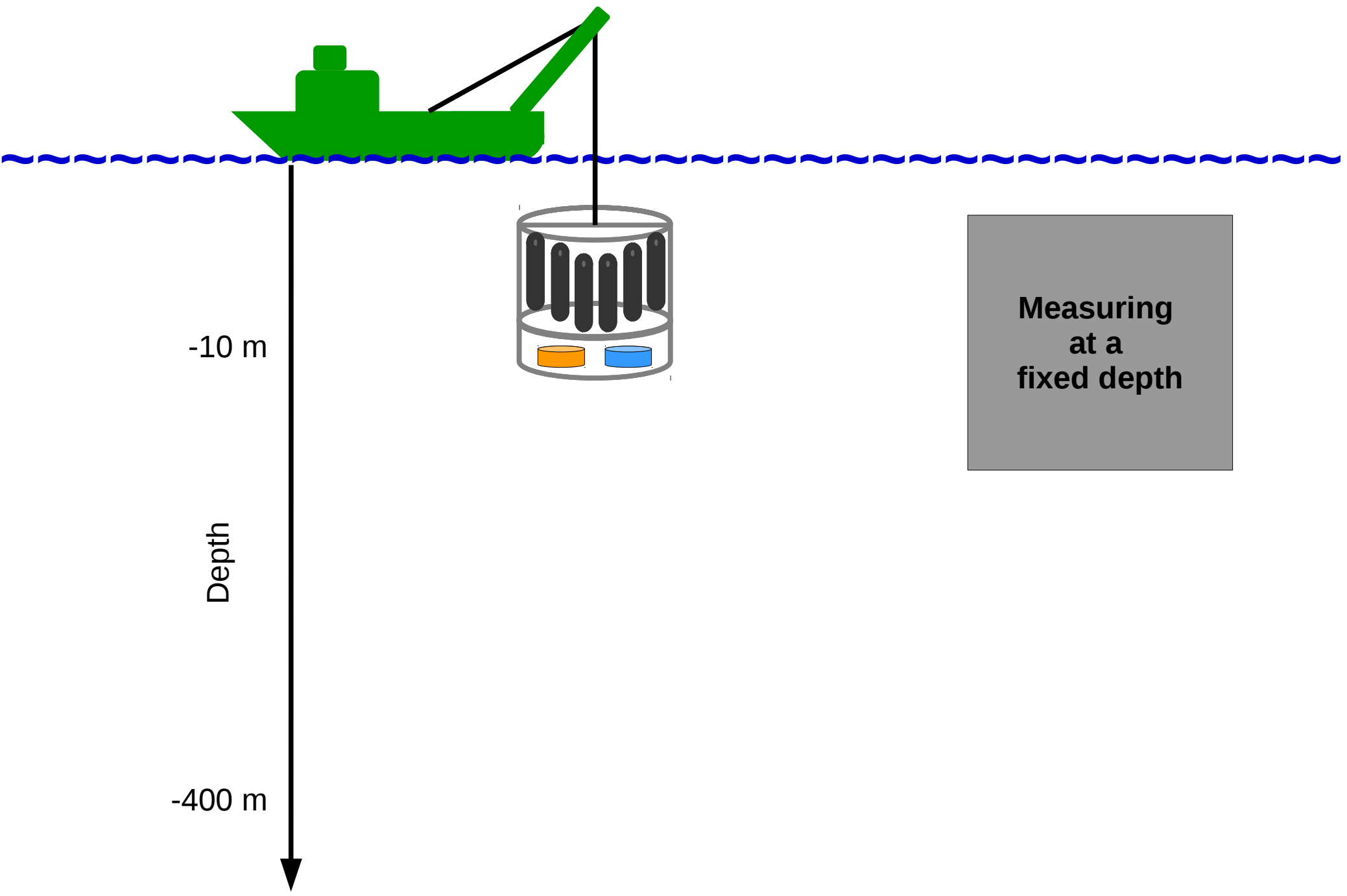


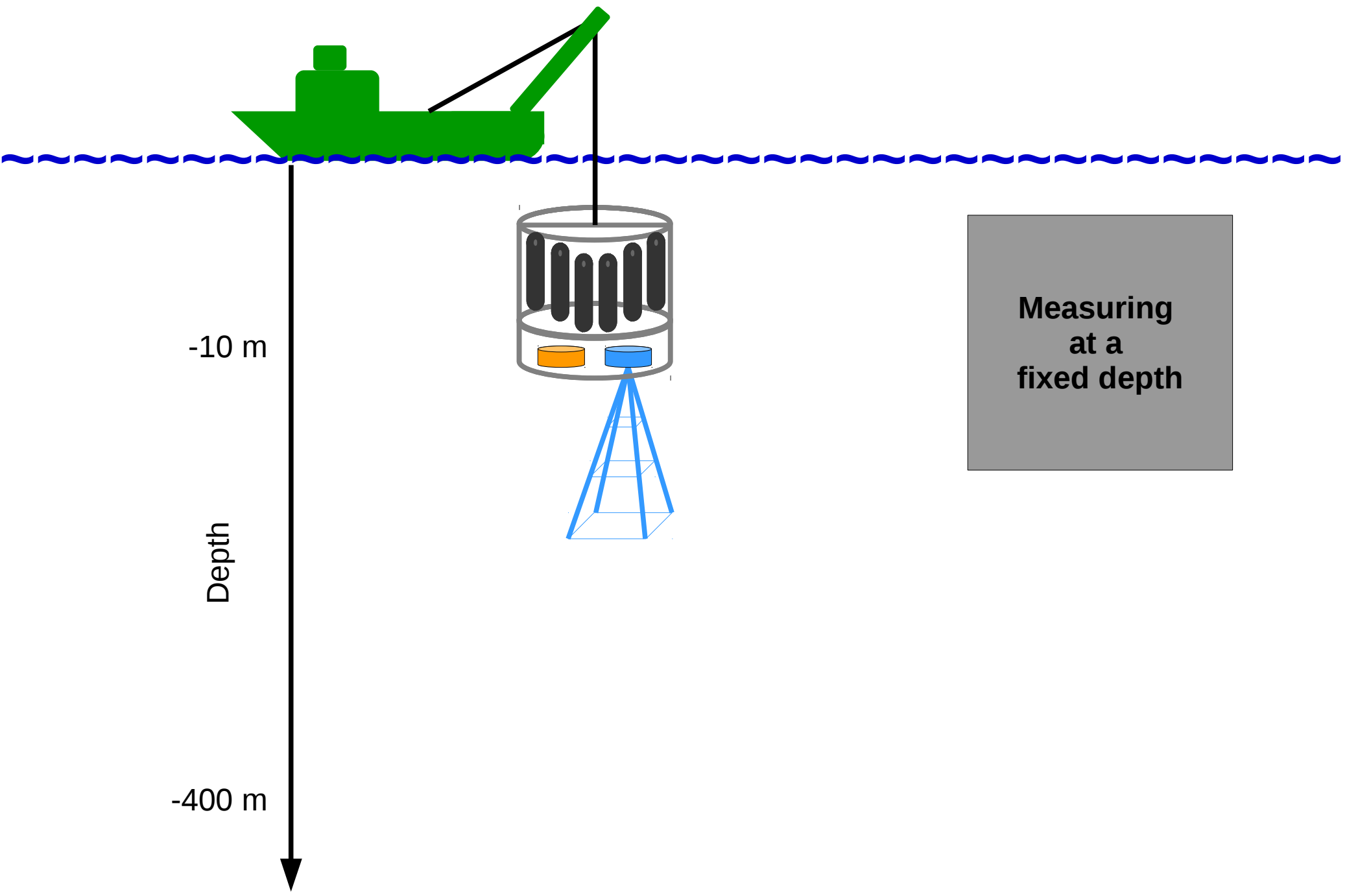


**Measuring
at a
fixed depth**

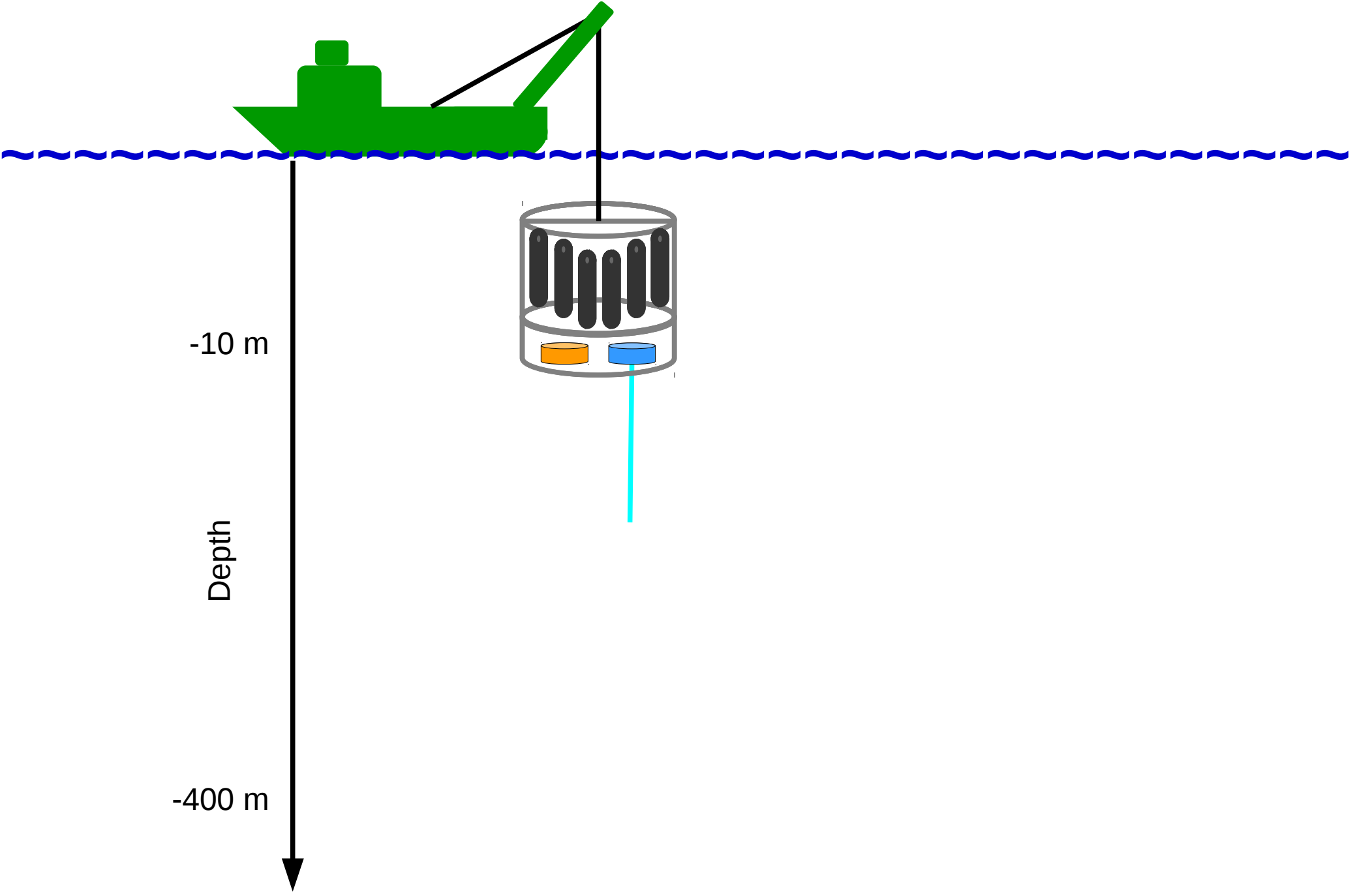


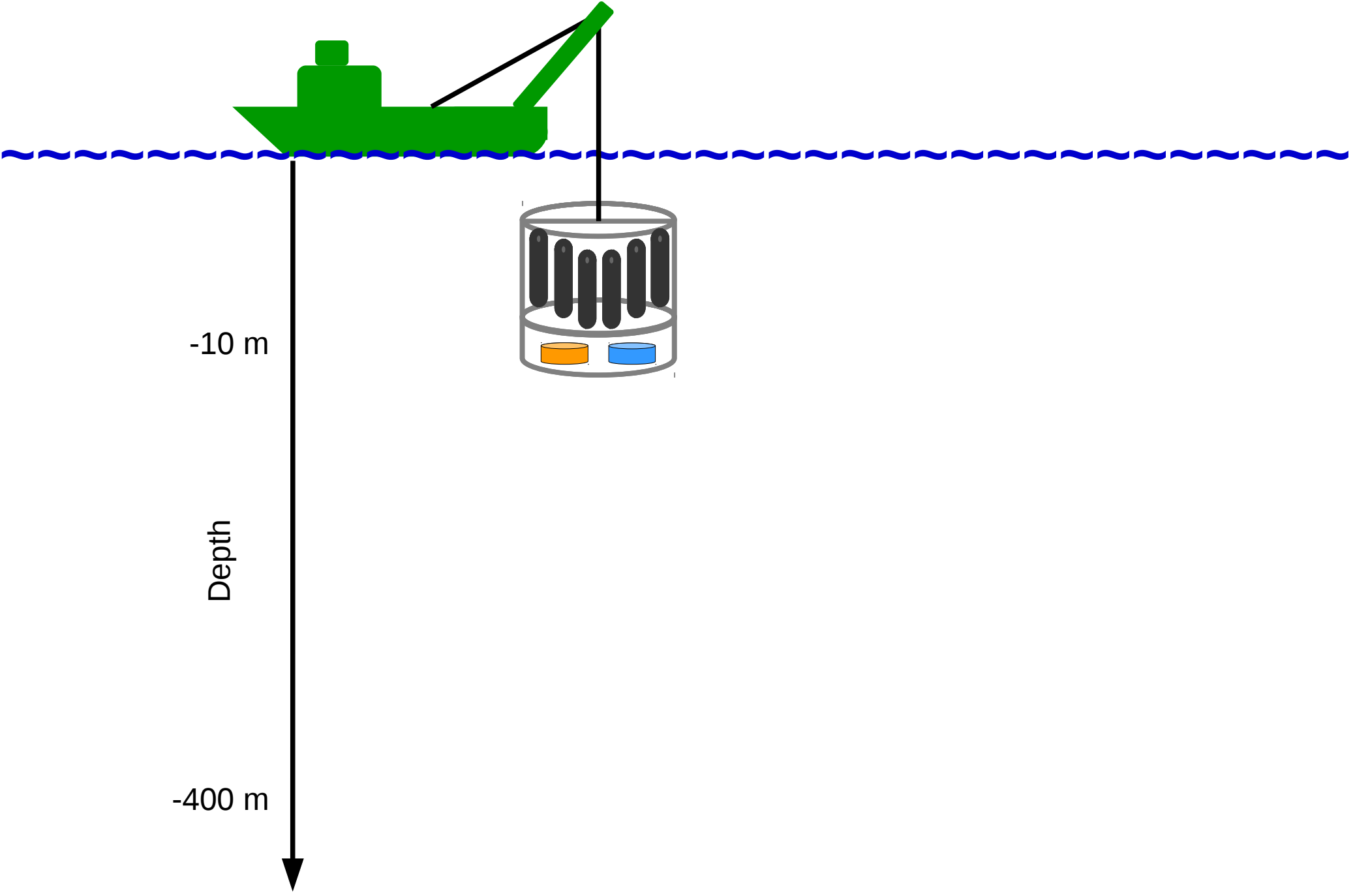
**Measuring
at a
fixed depth**

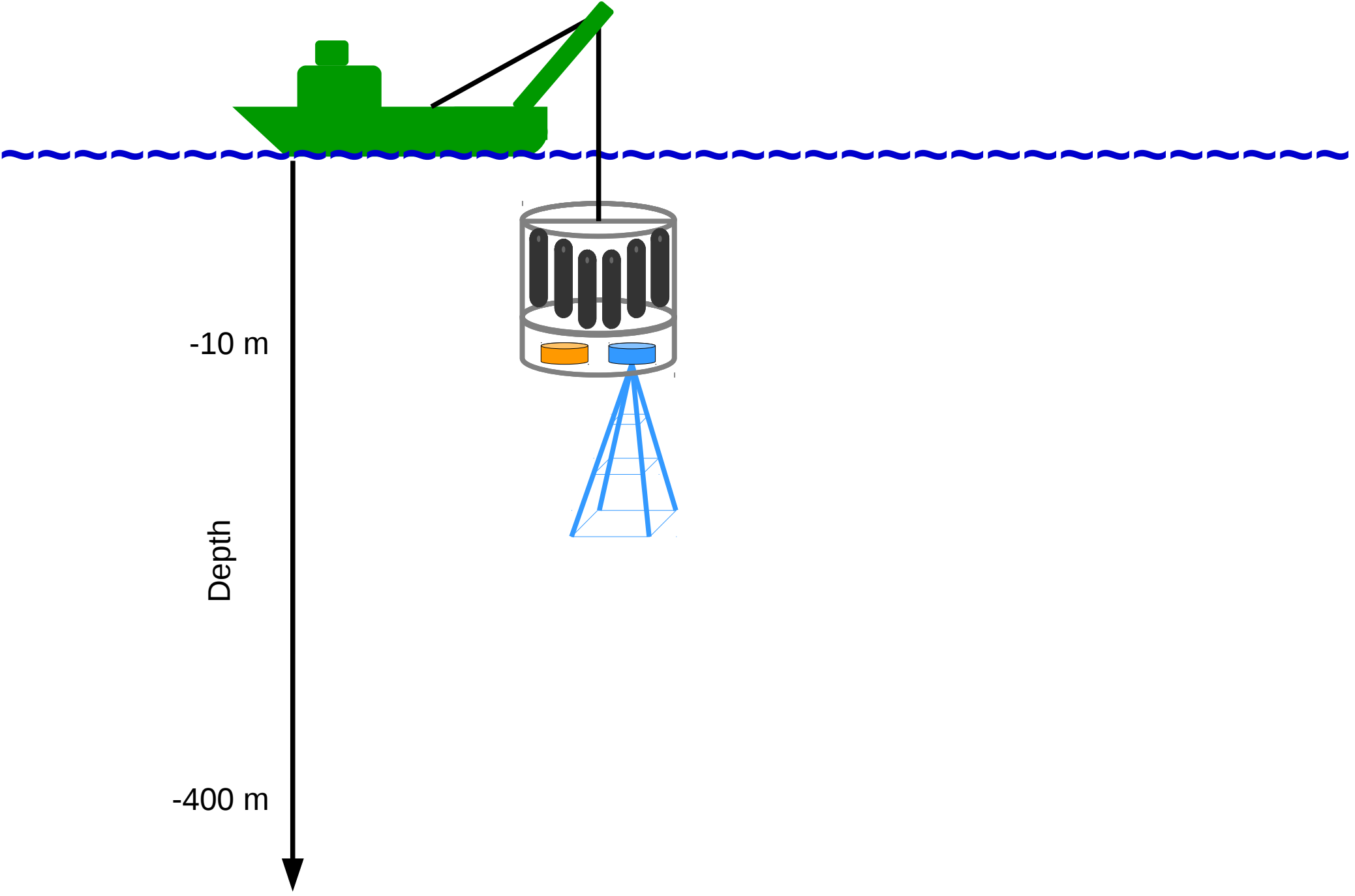


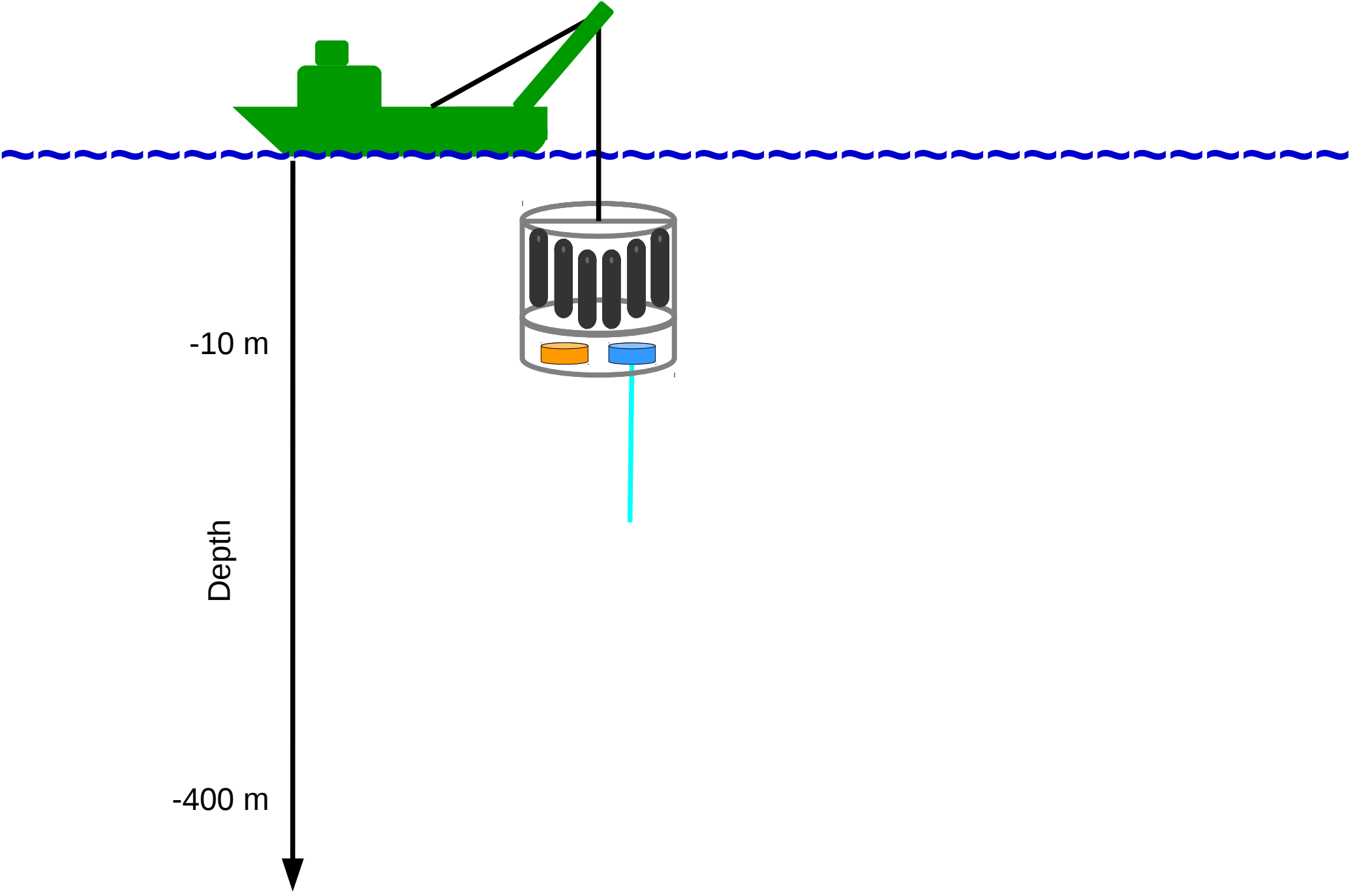


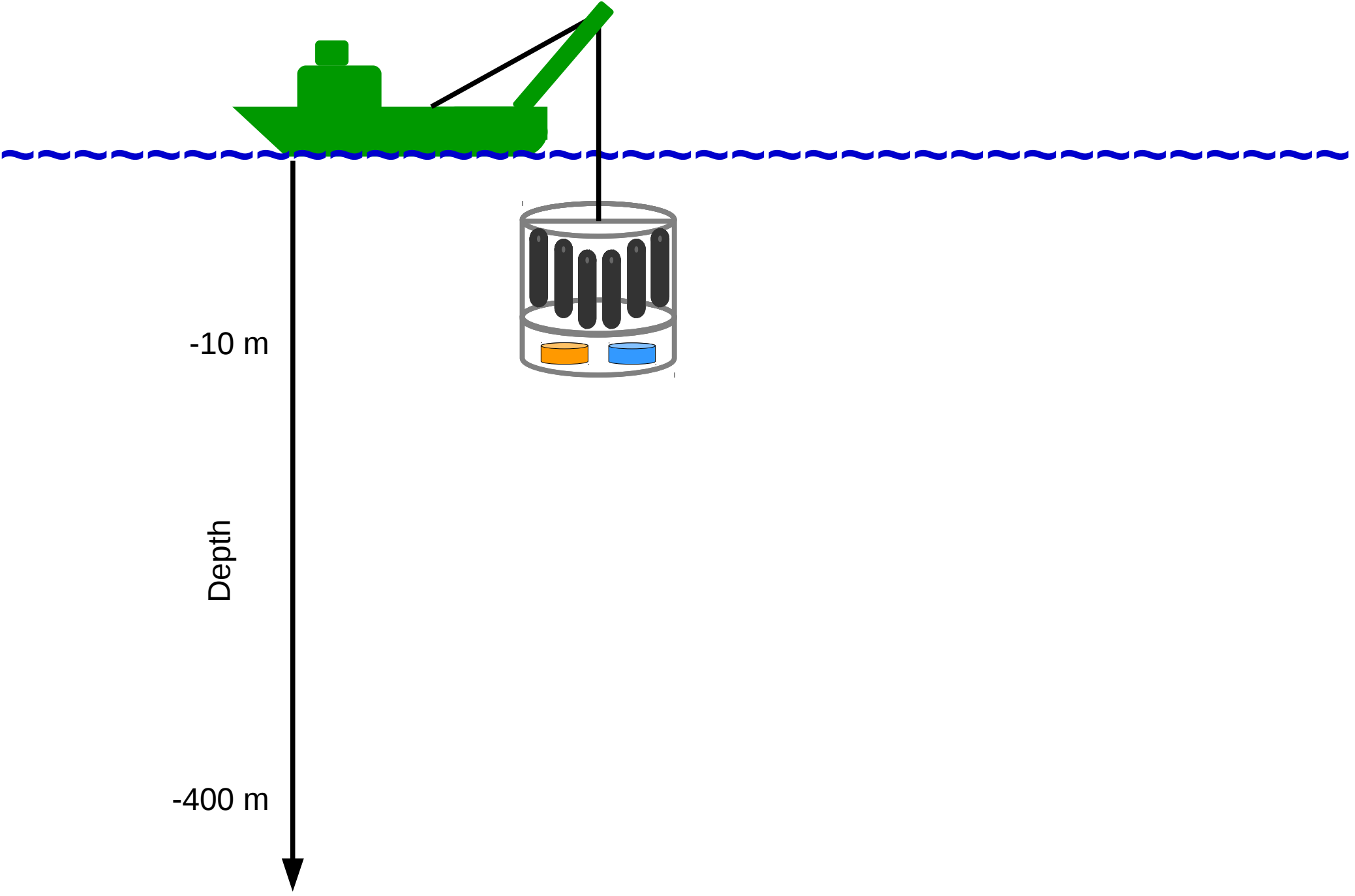
**Measuring
at a
fixed depth**

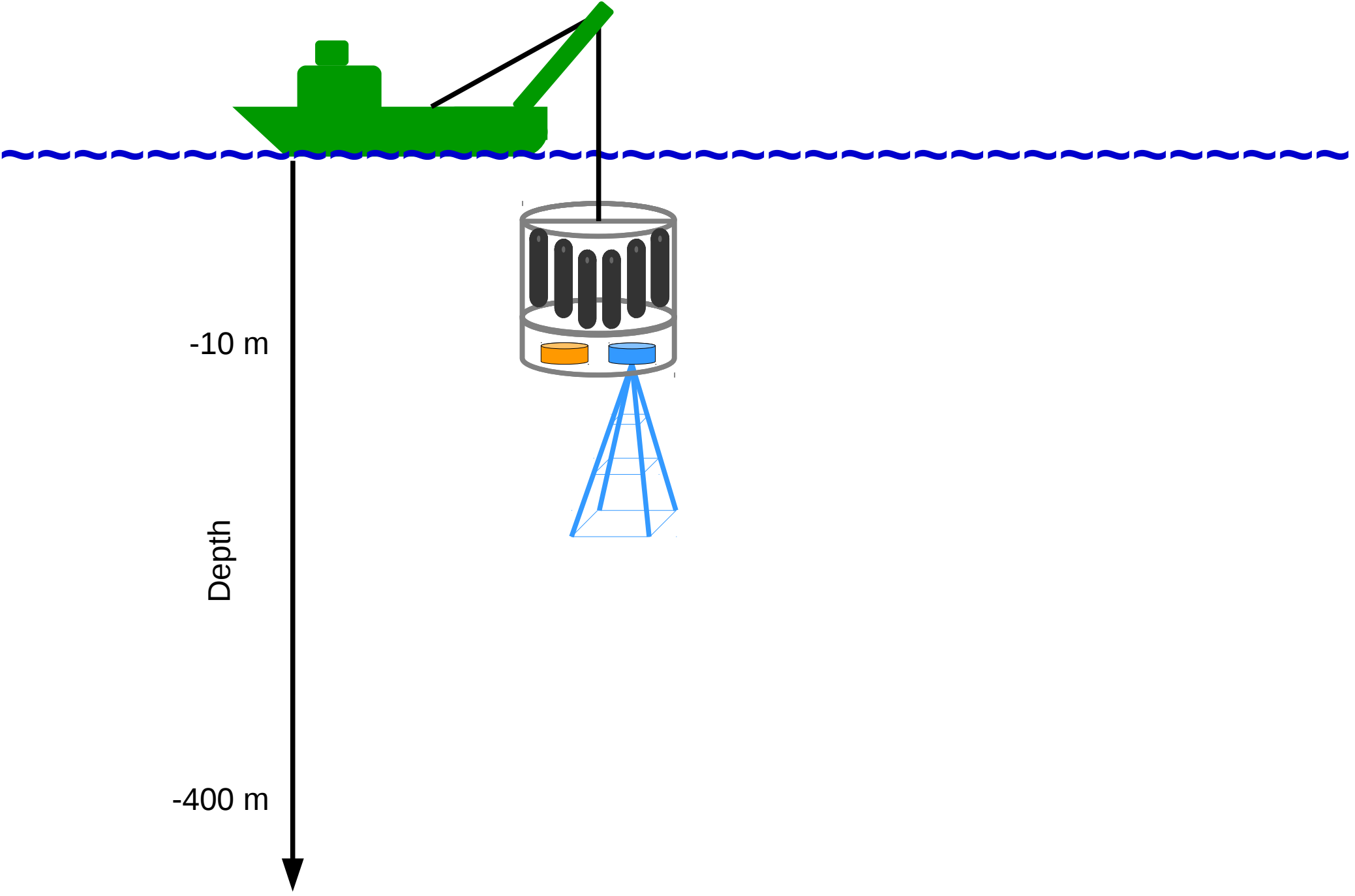


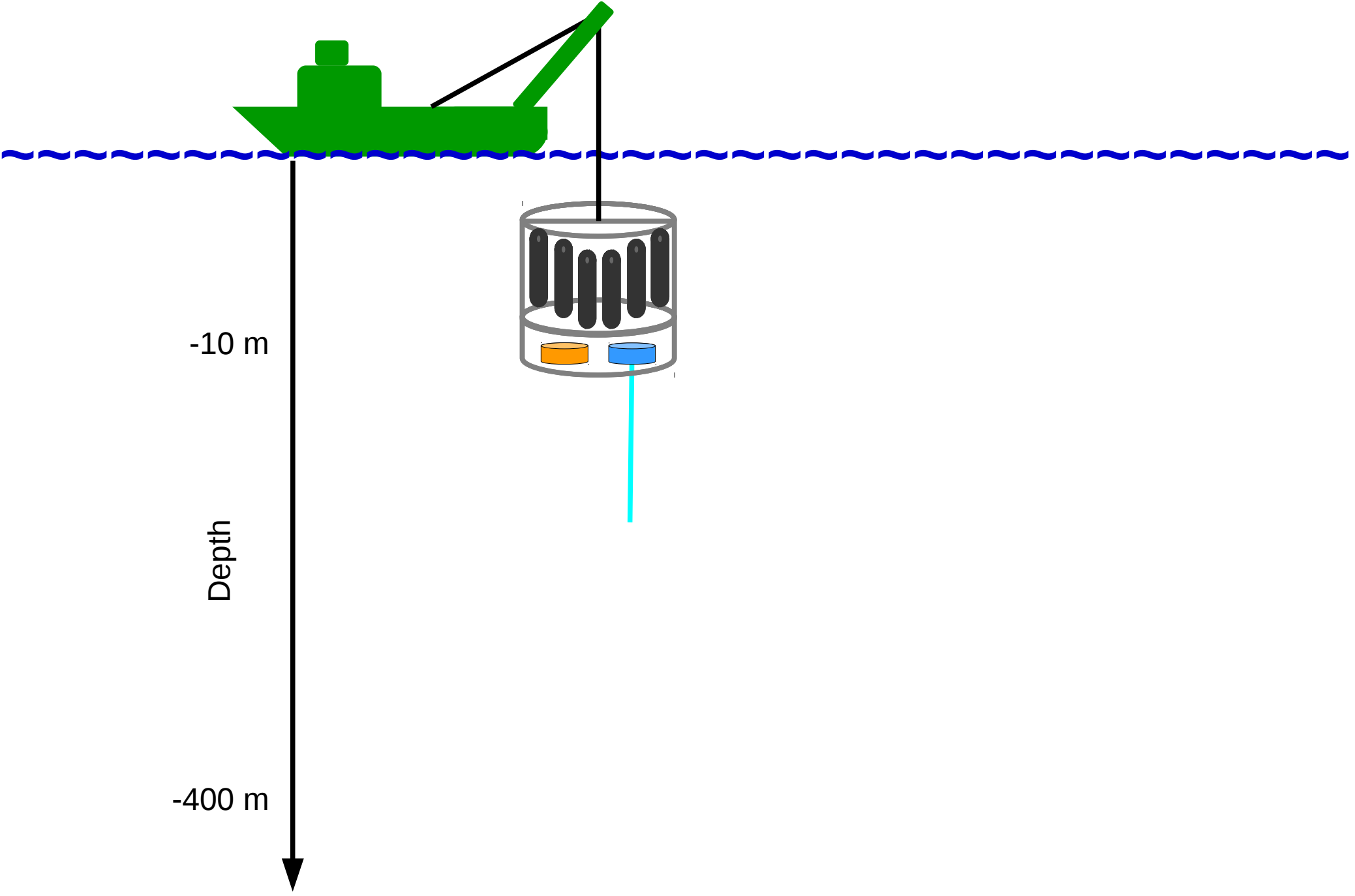


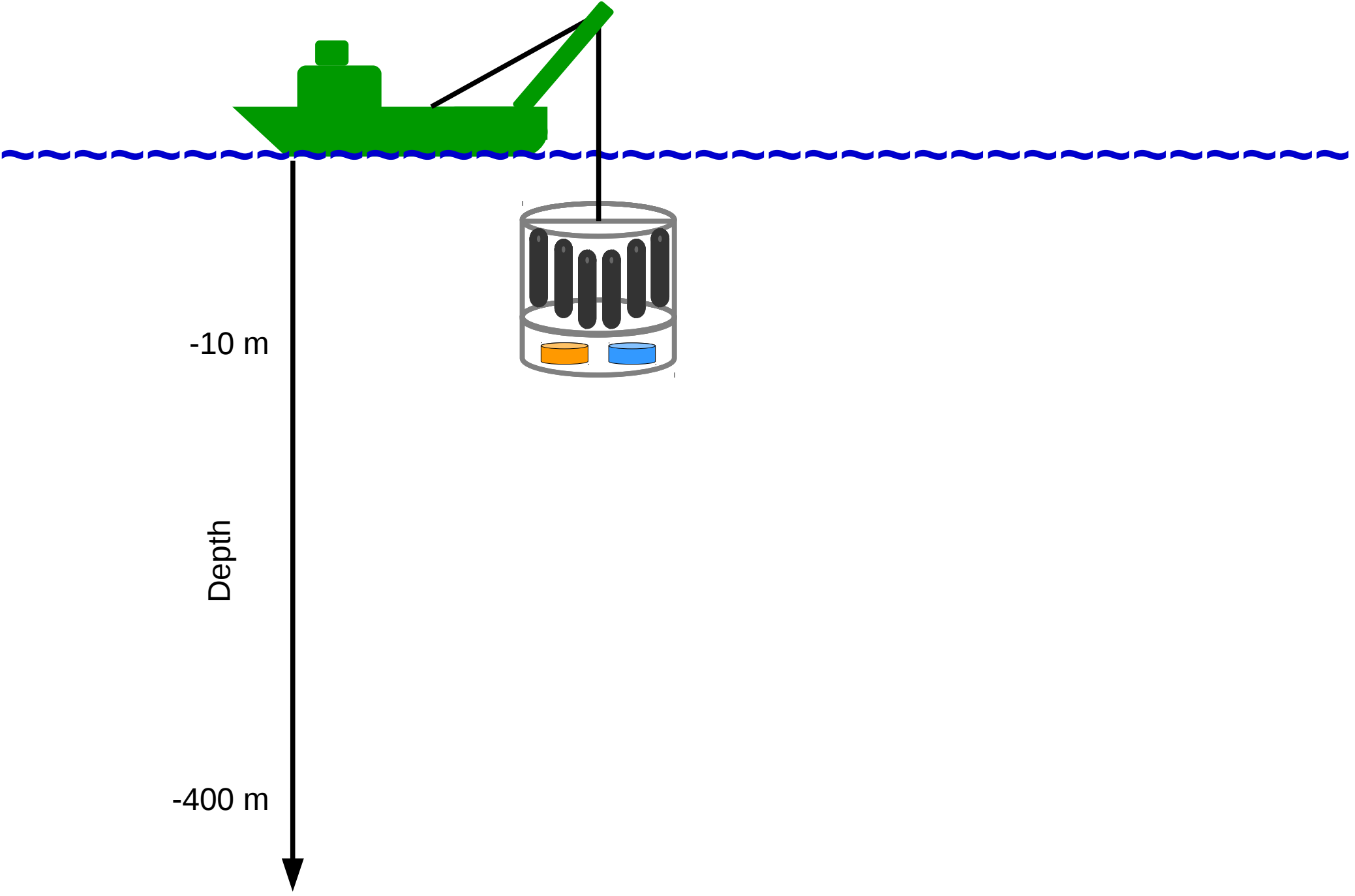


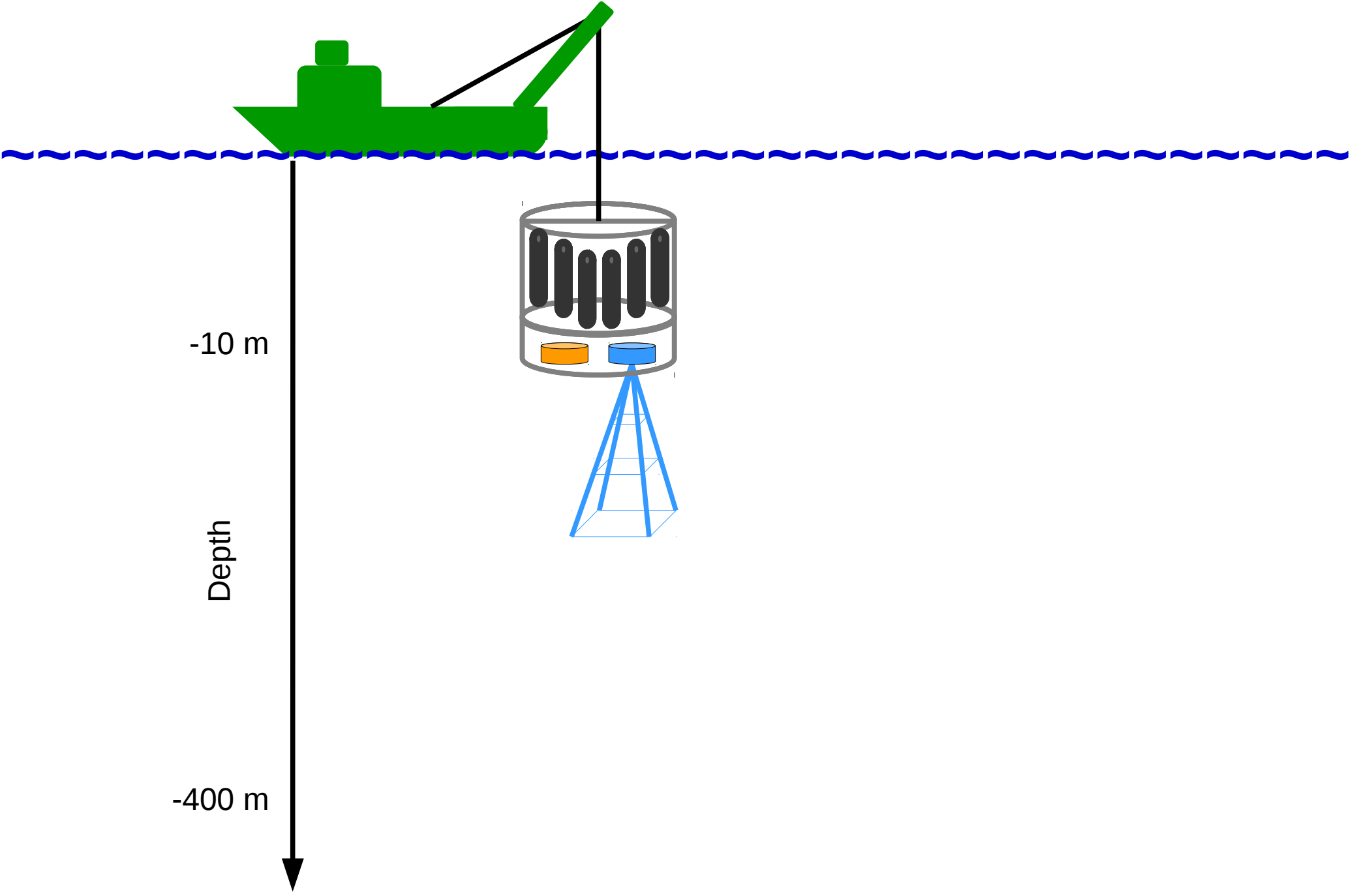


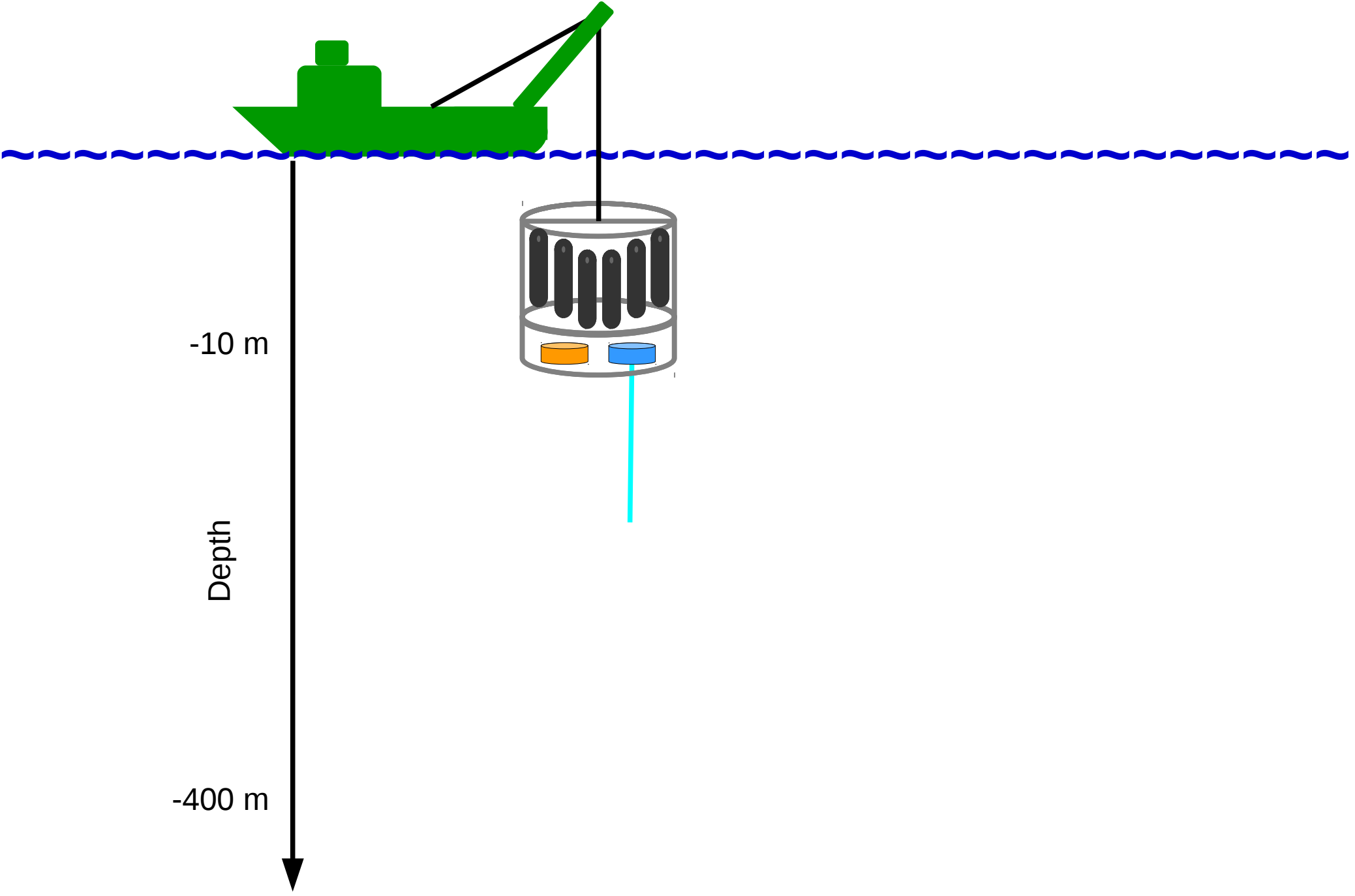


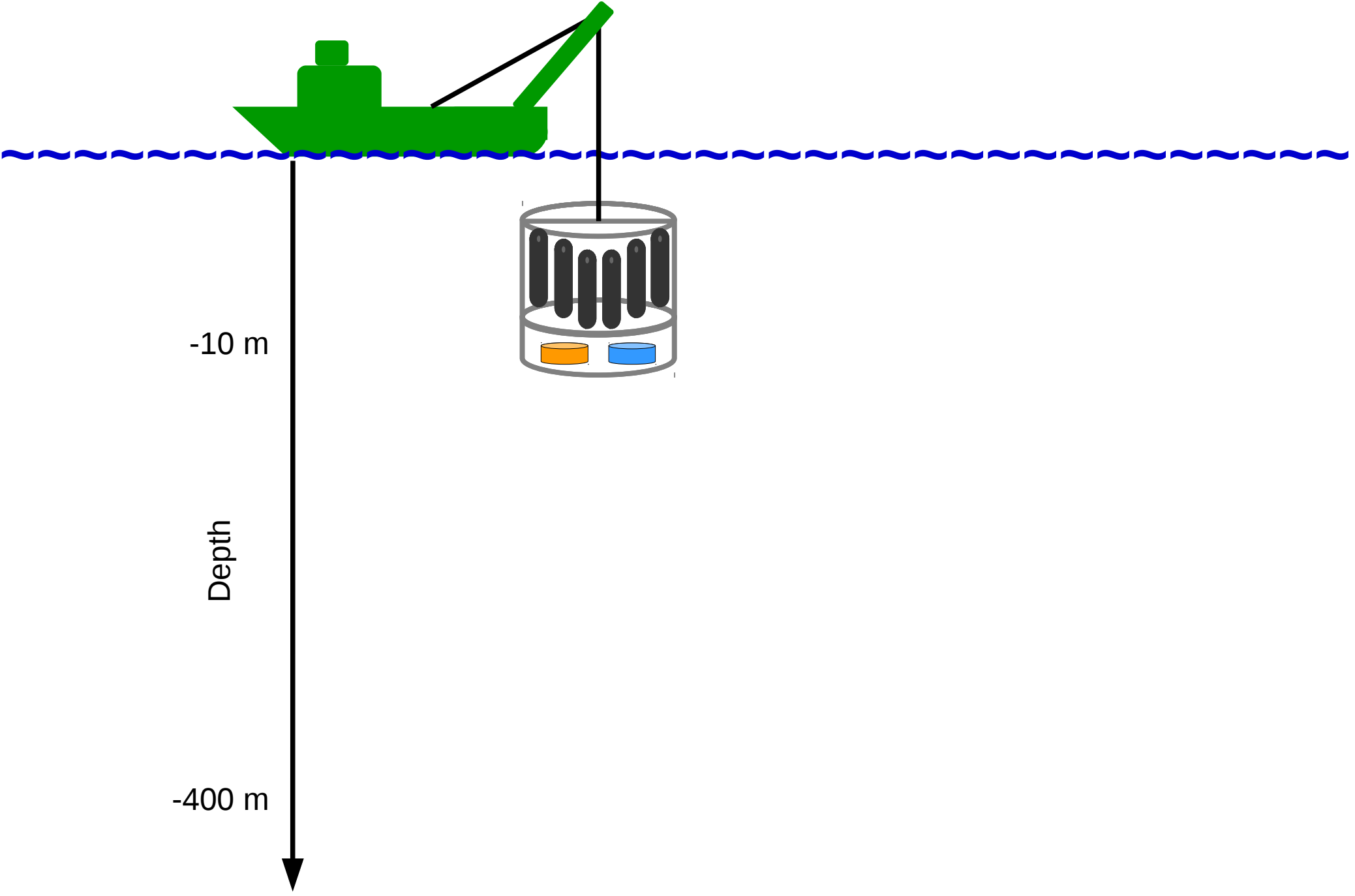


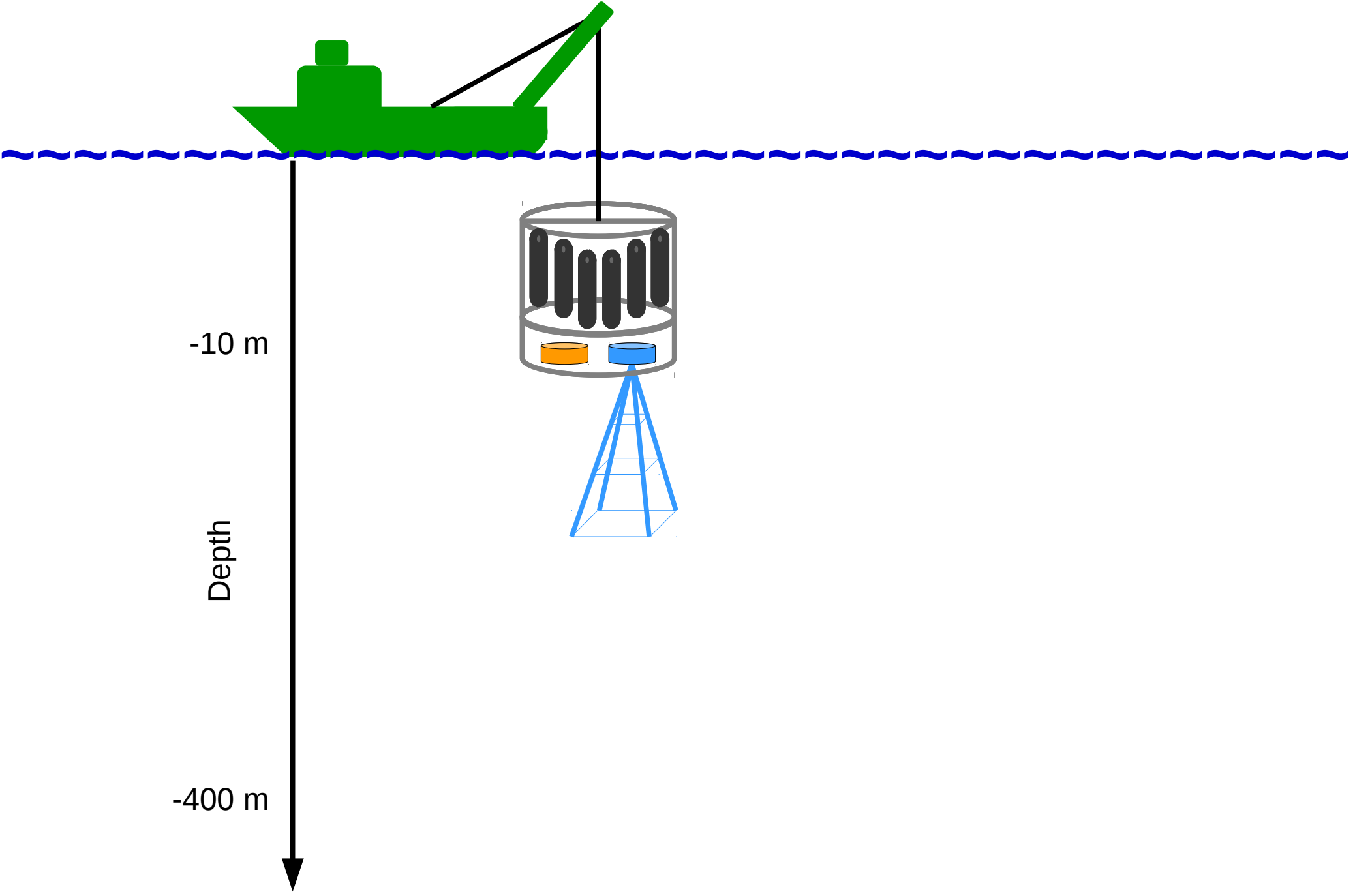


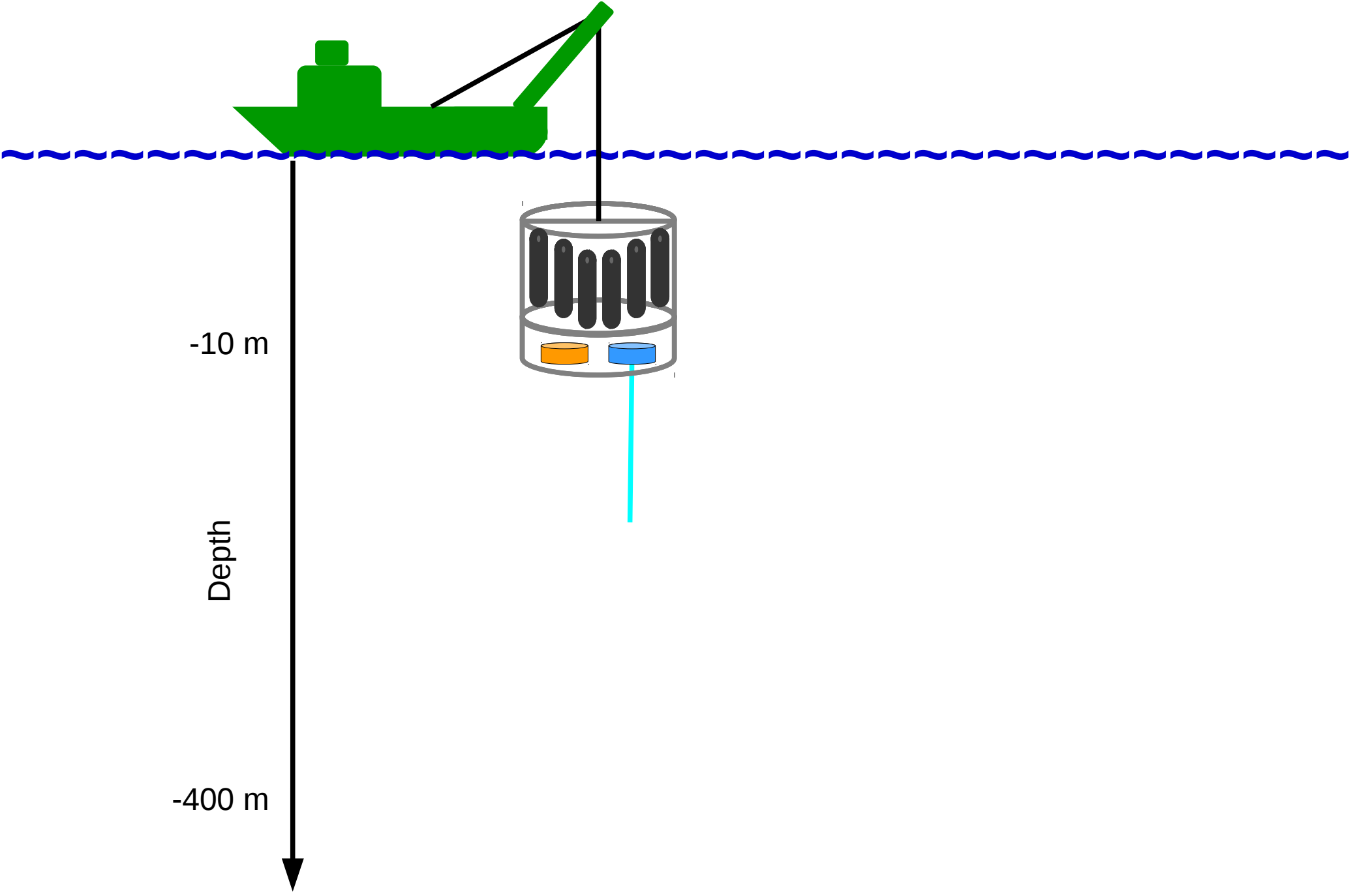


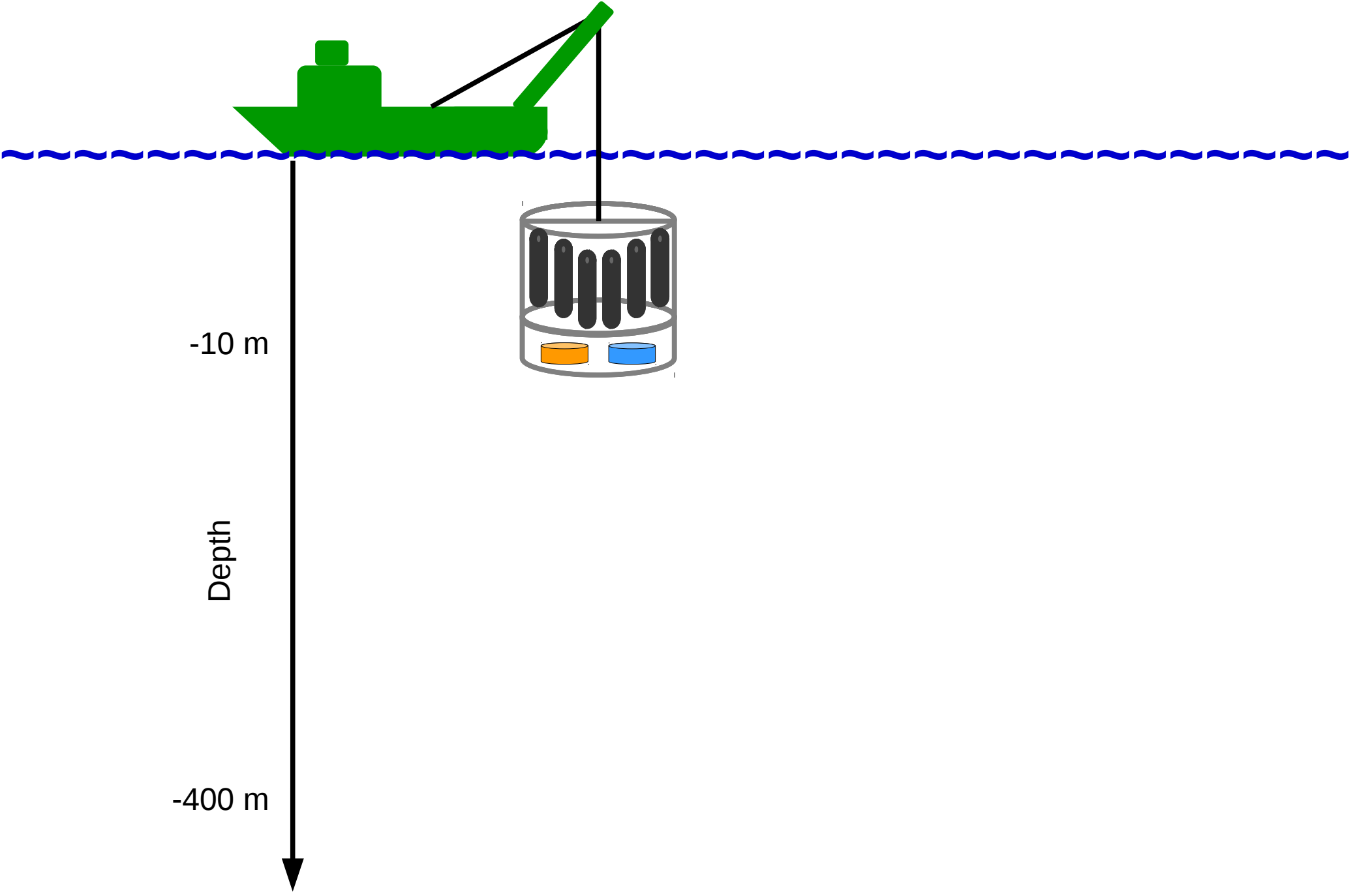


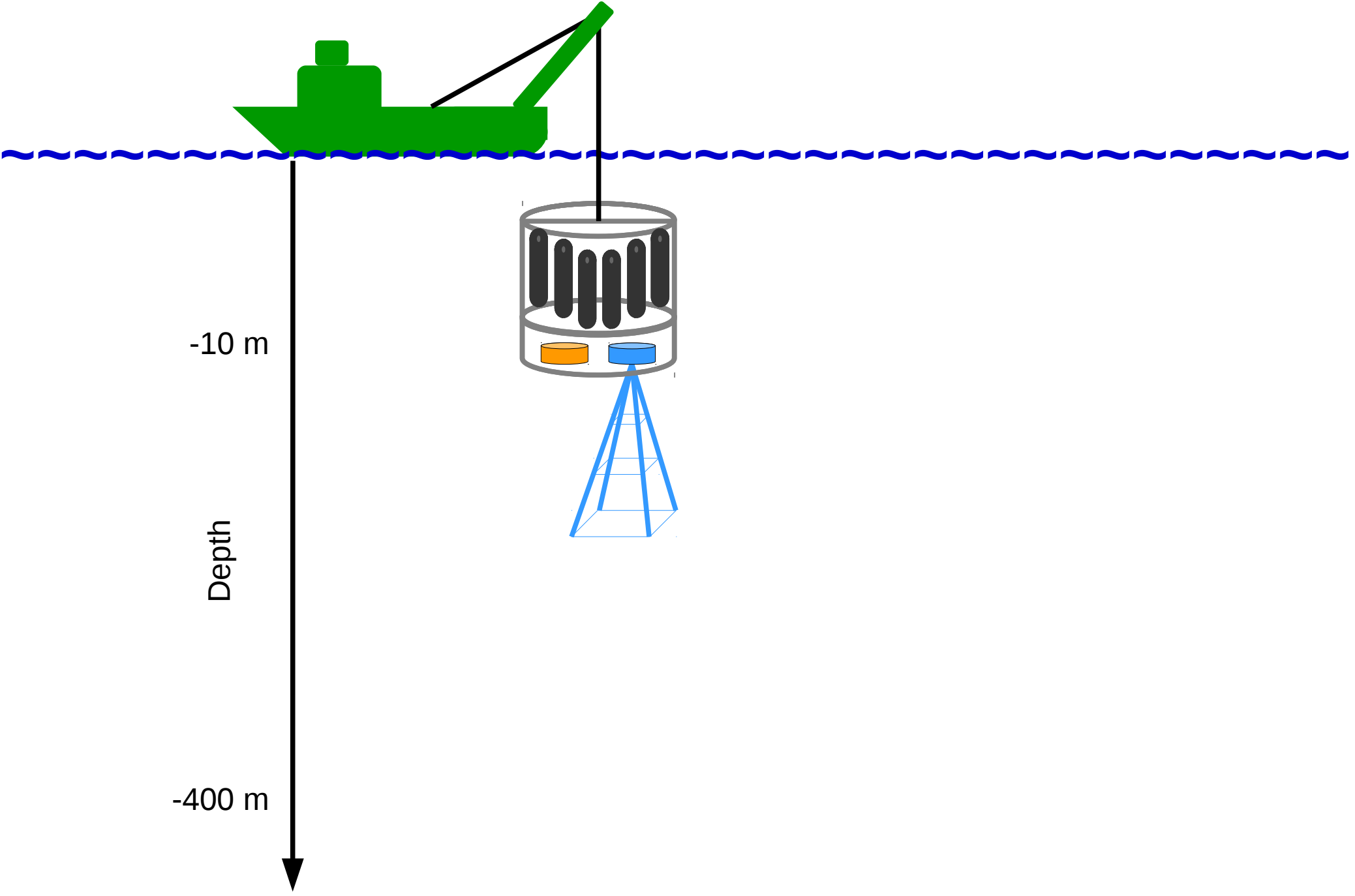


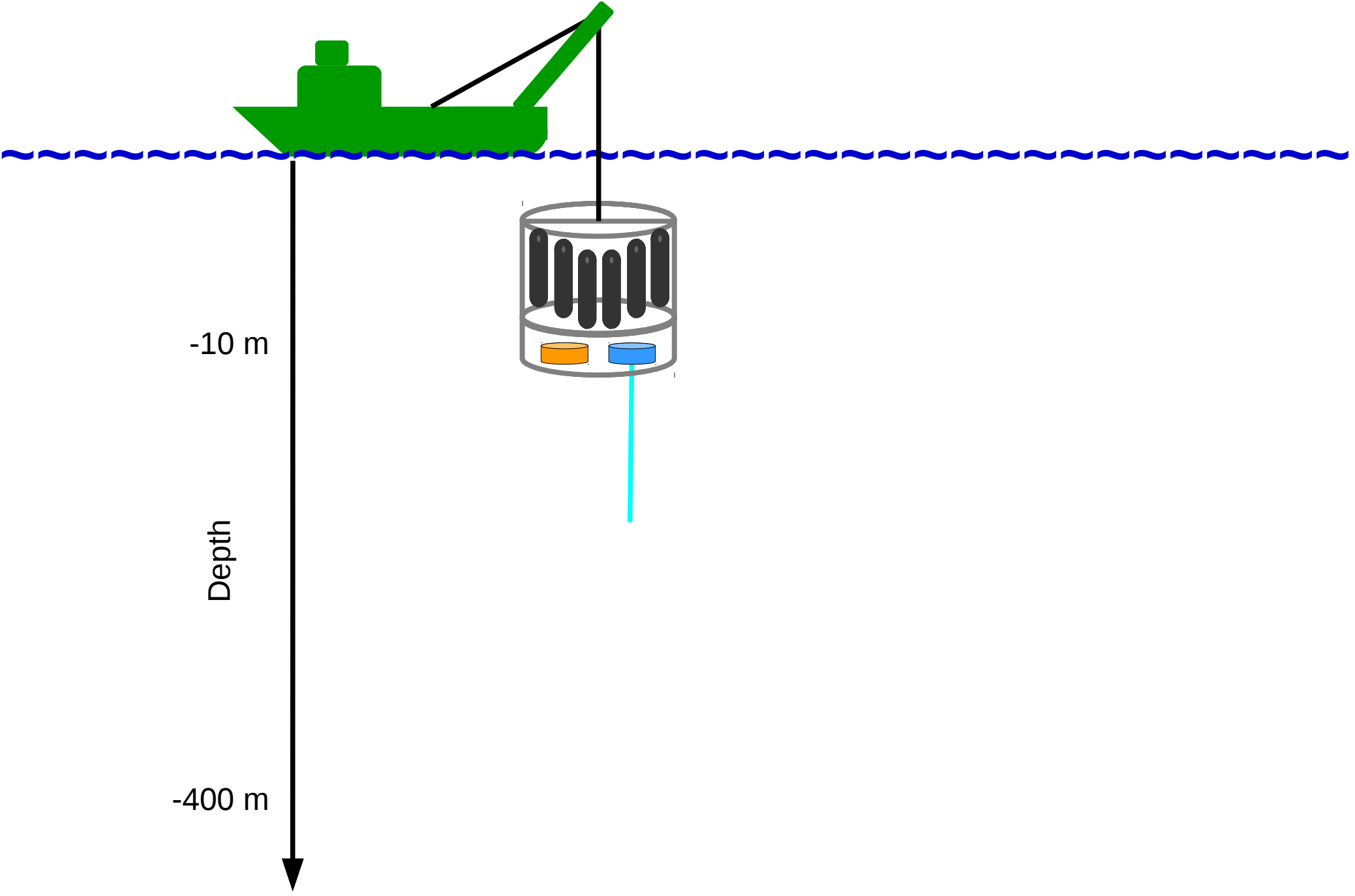


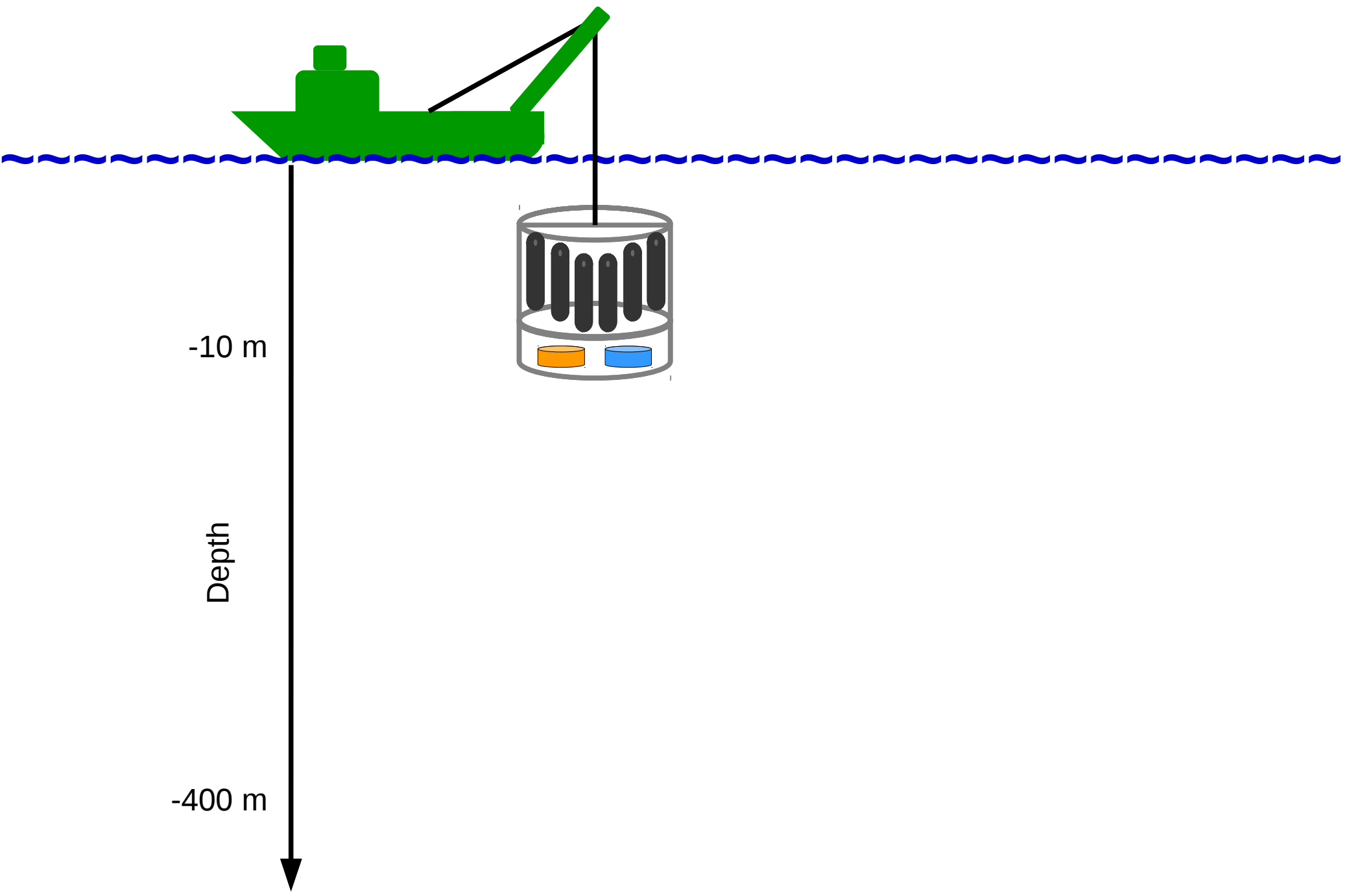


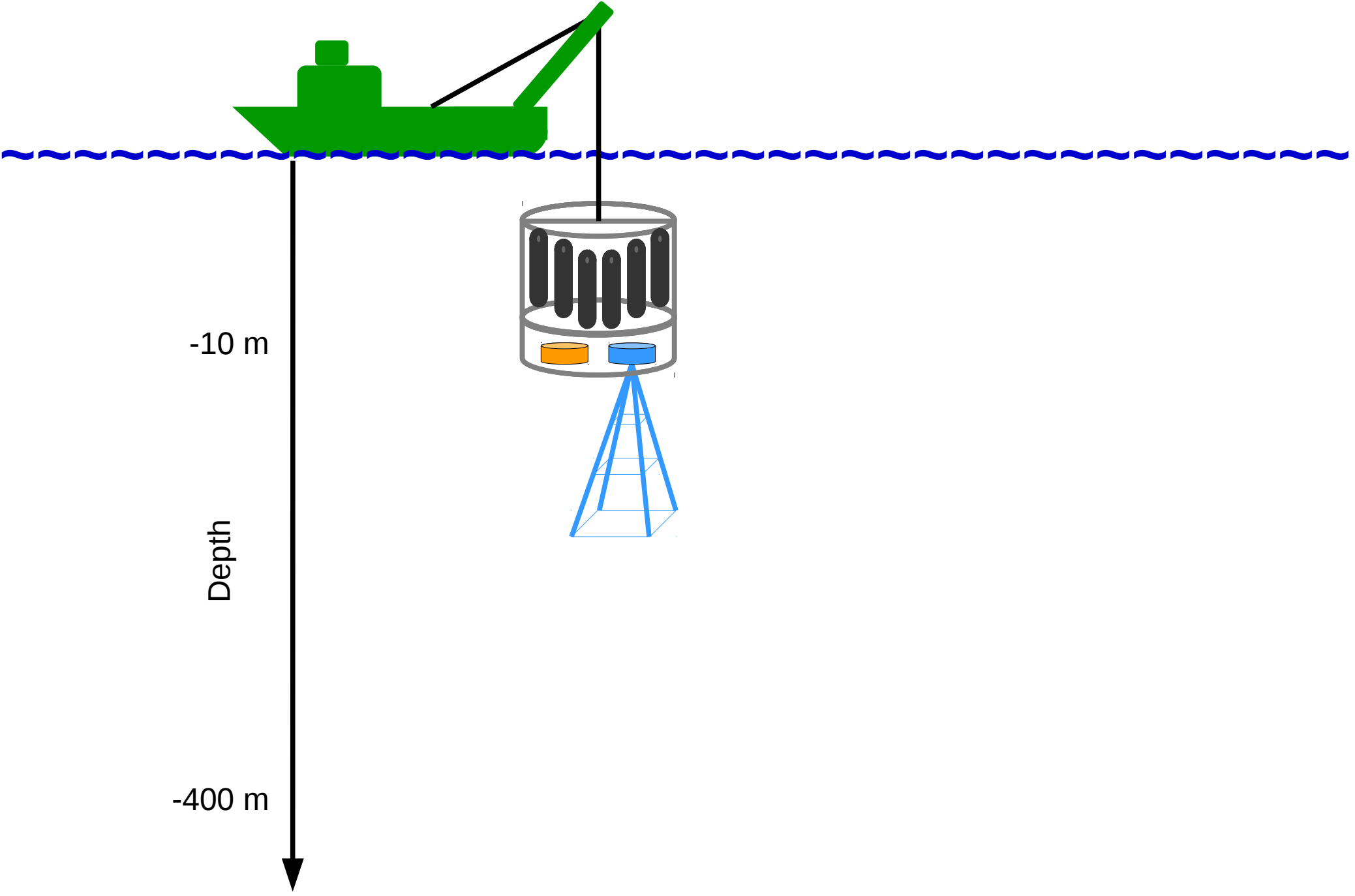


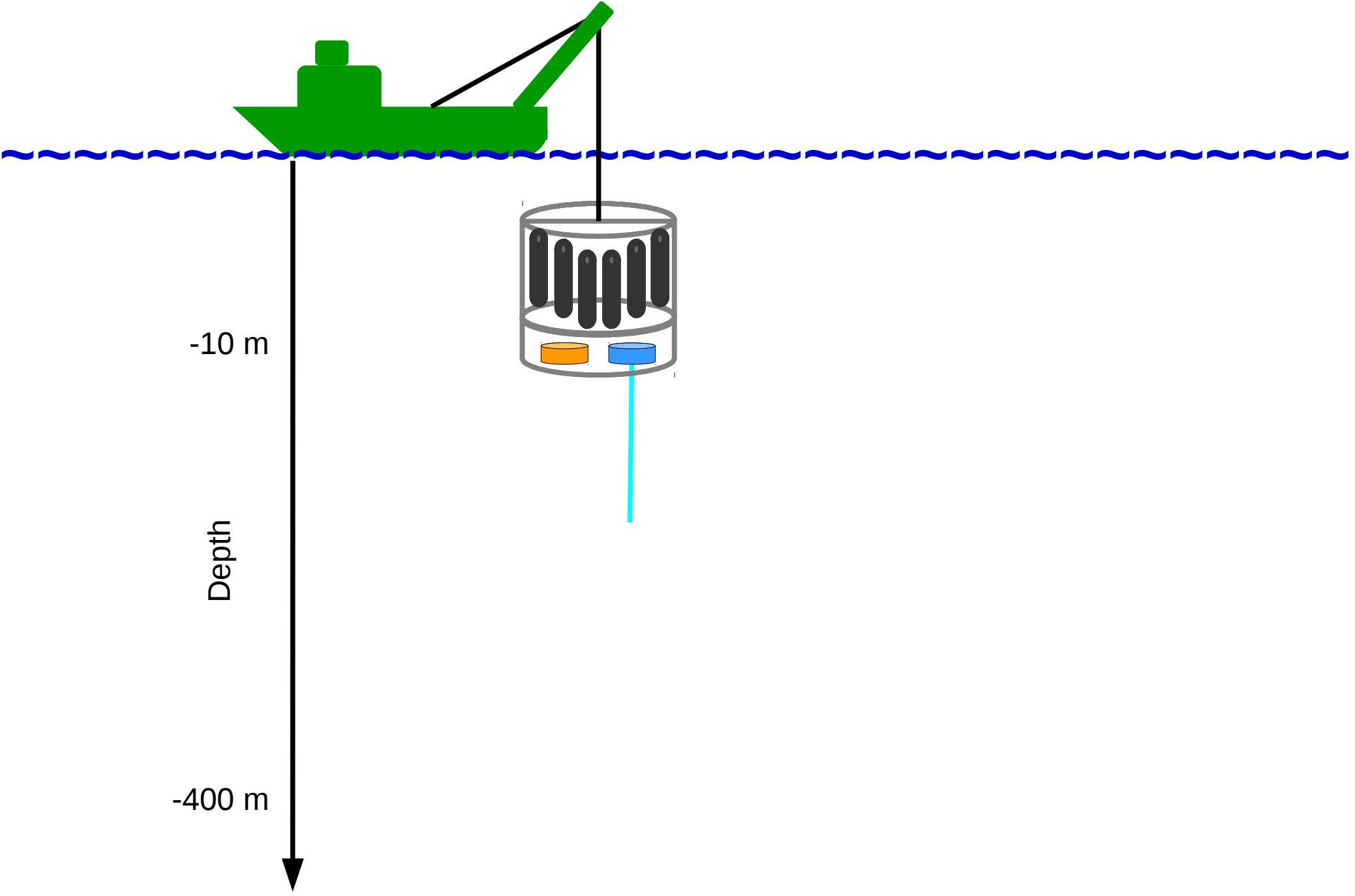


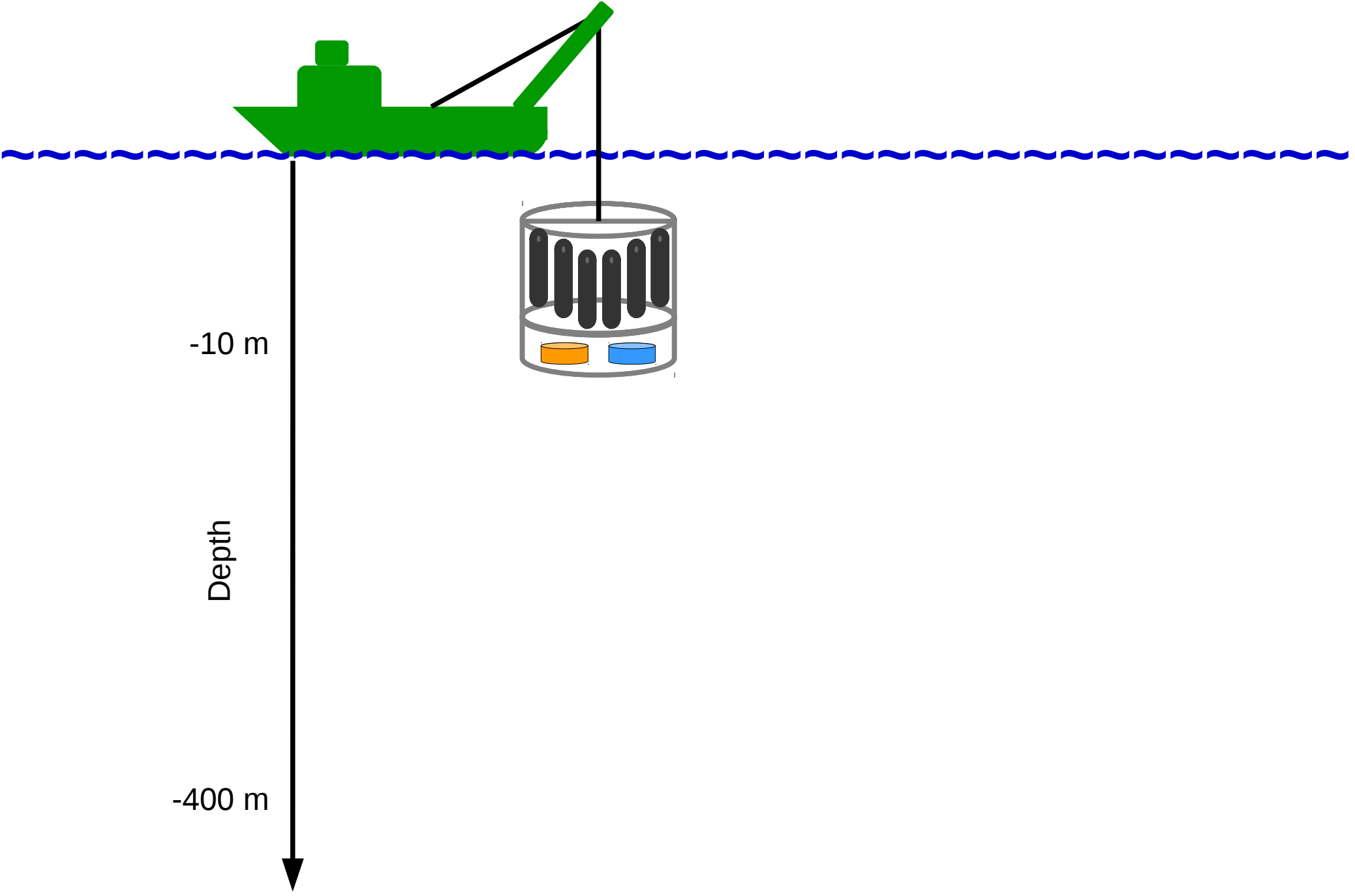


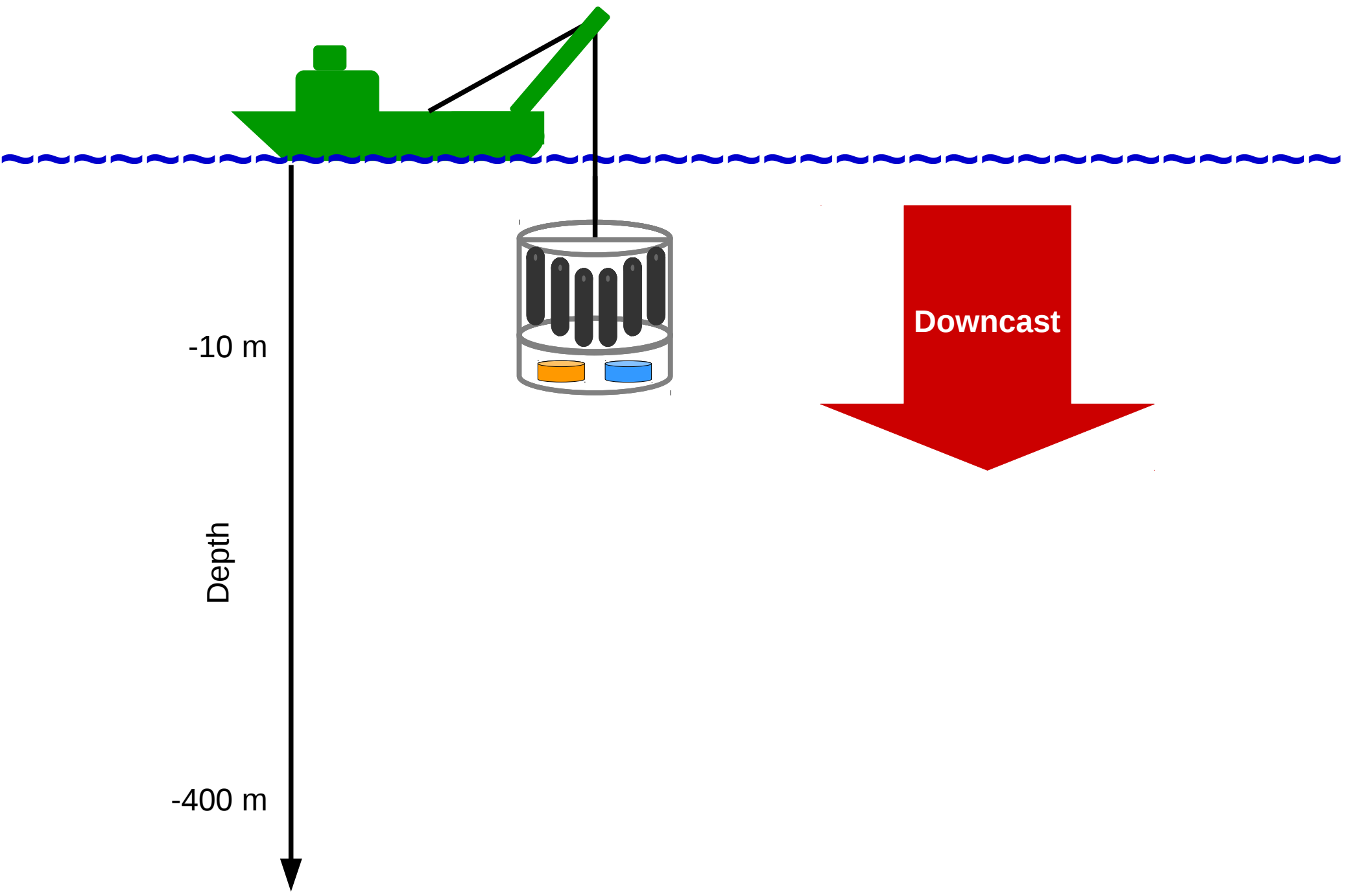


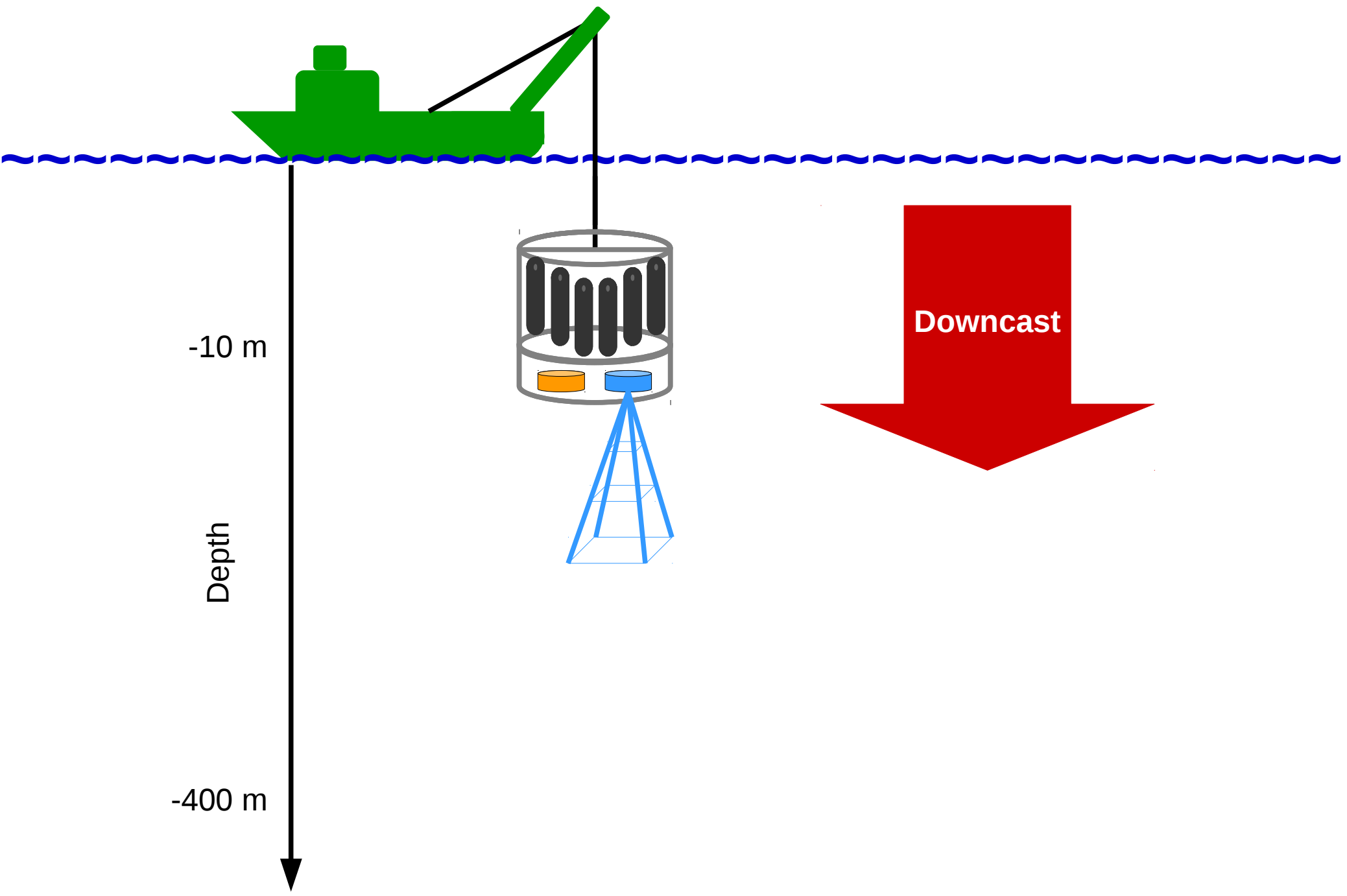


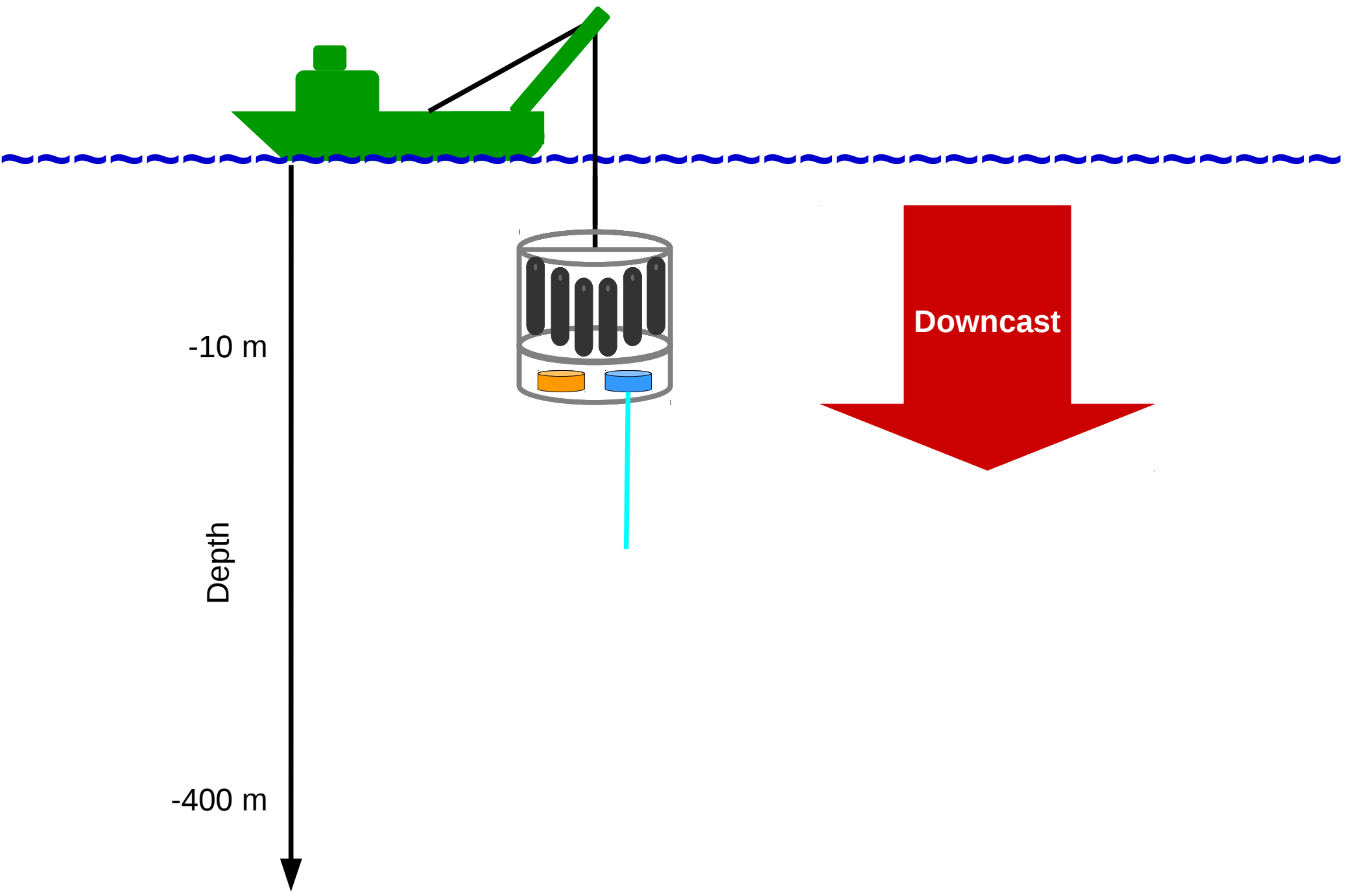


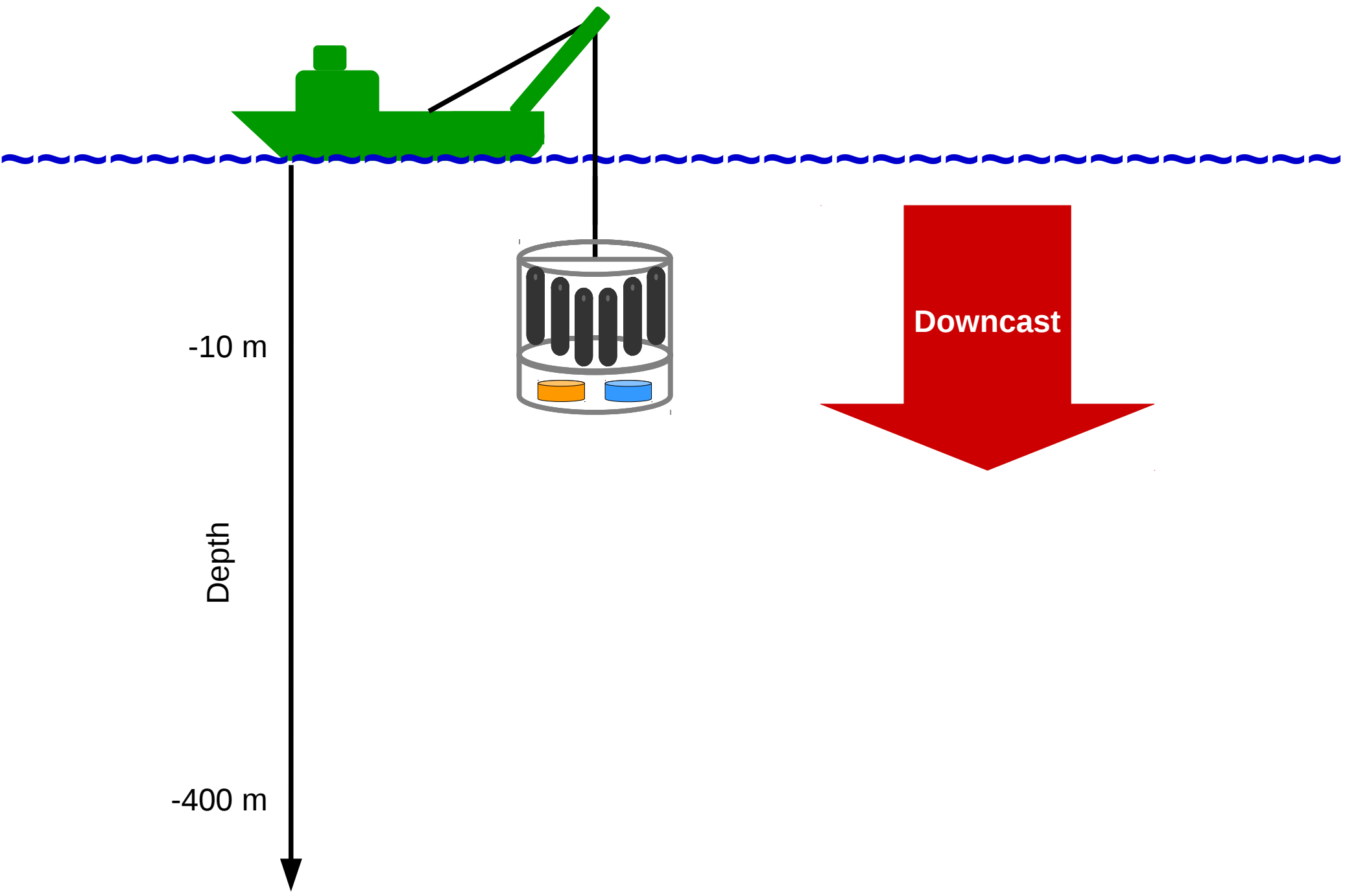










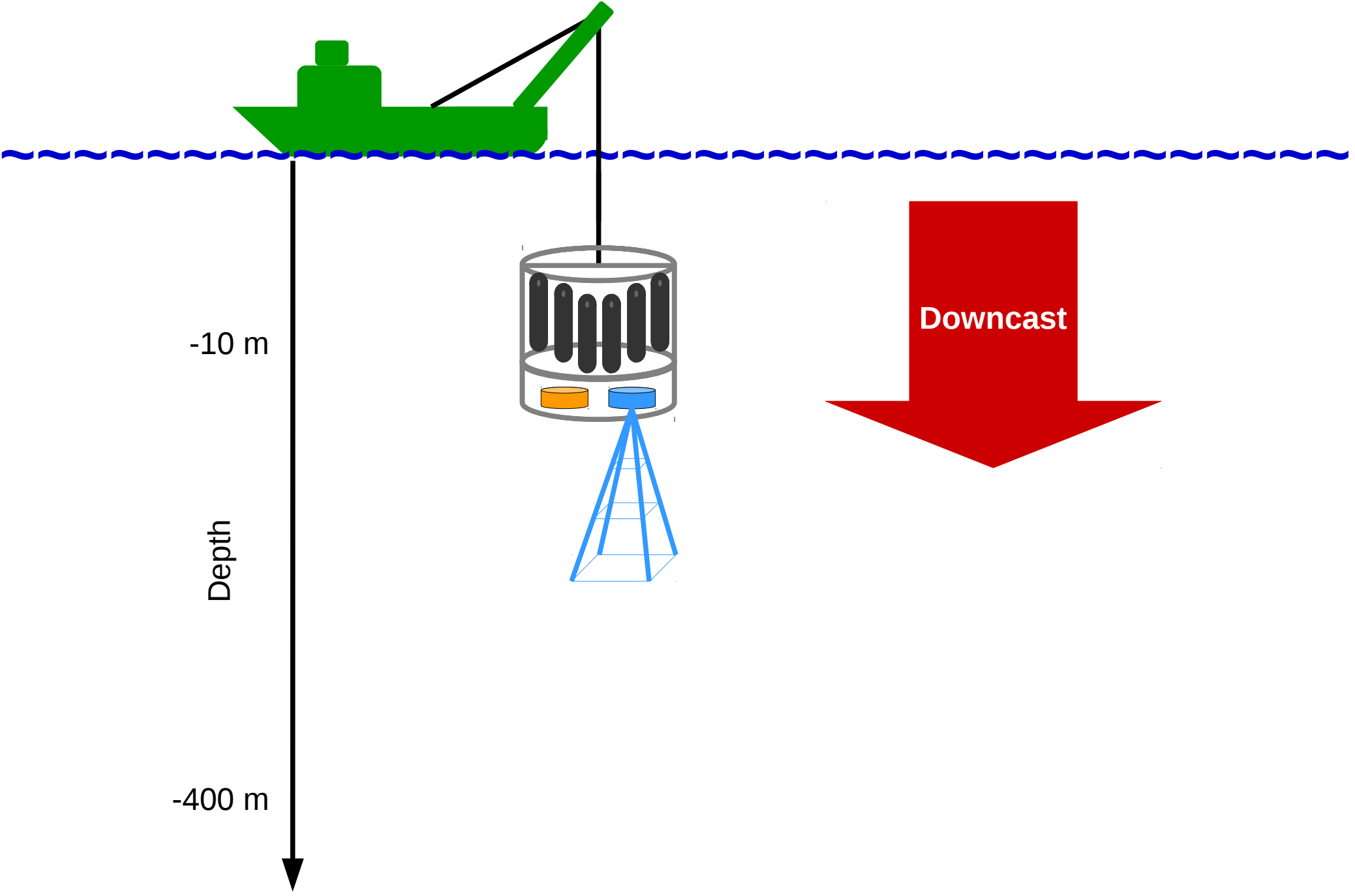


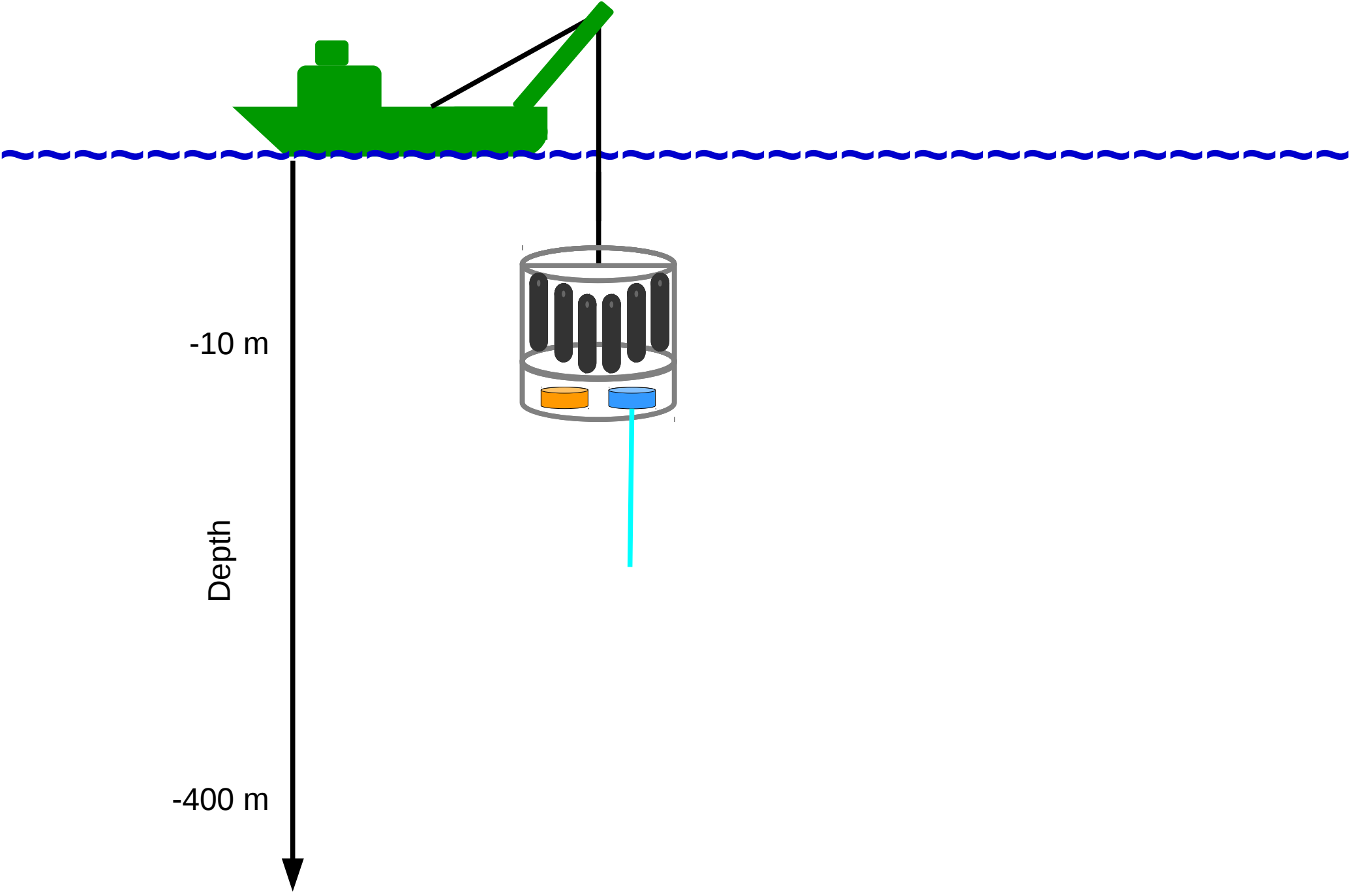
-10 m

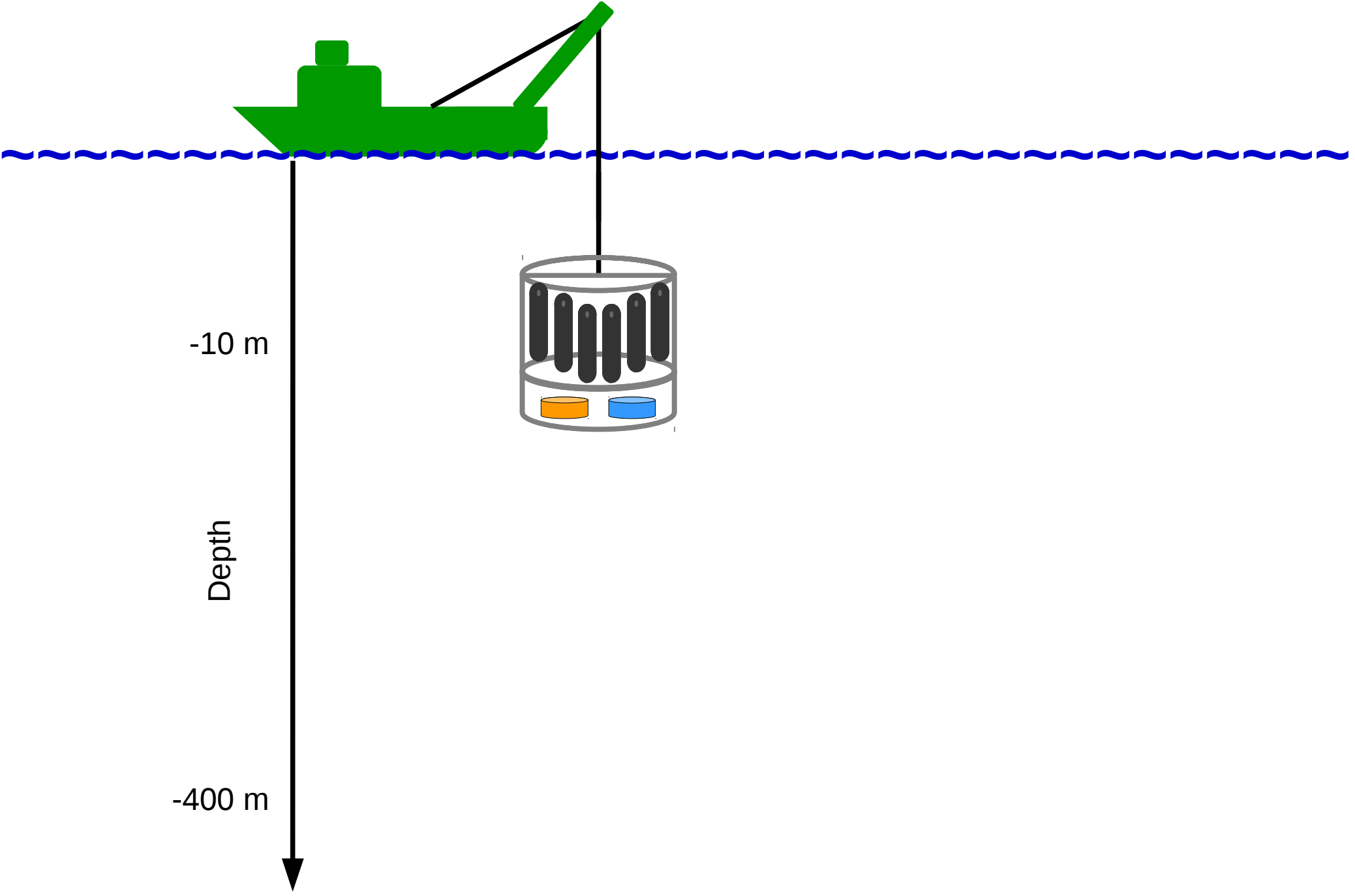
Depth

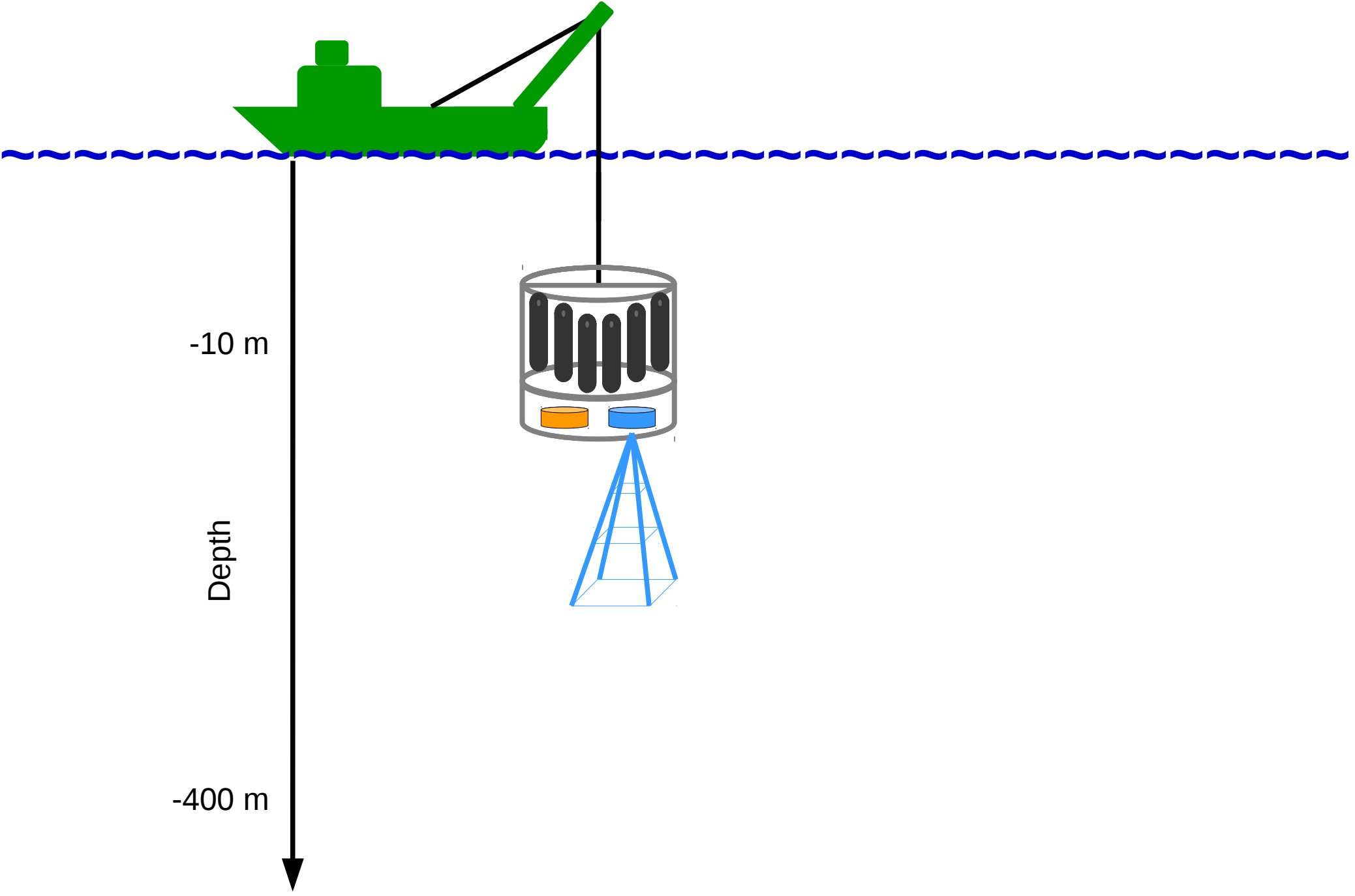
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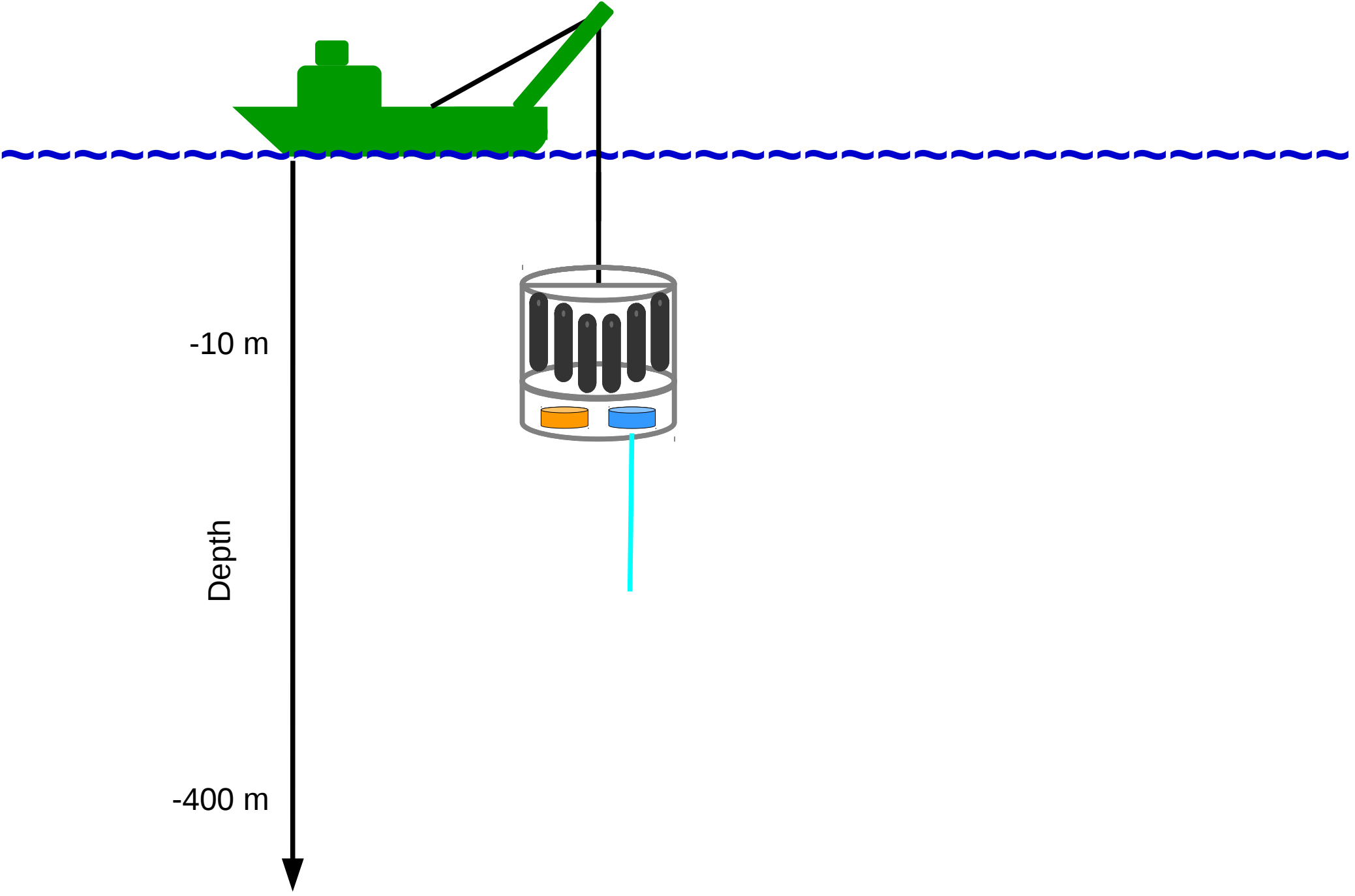
Downcast

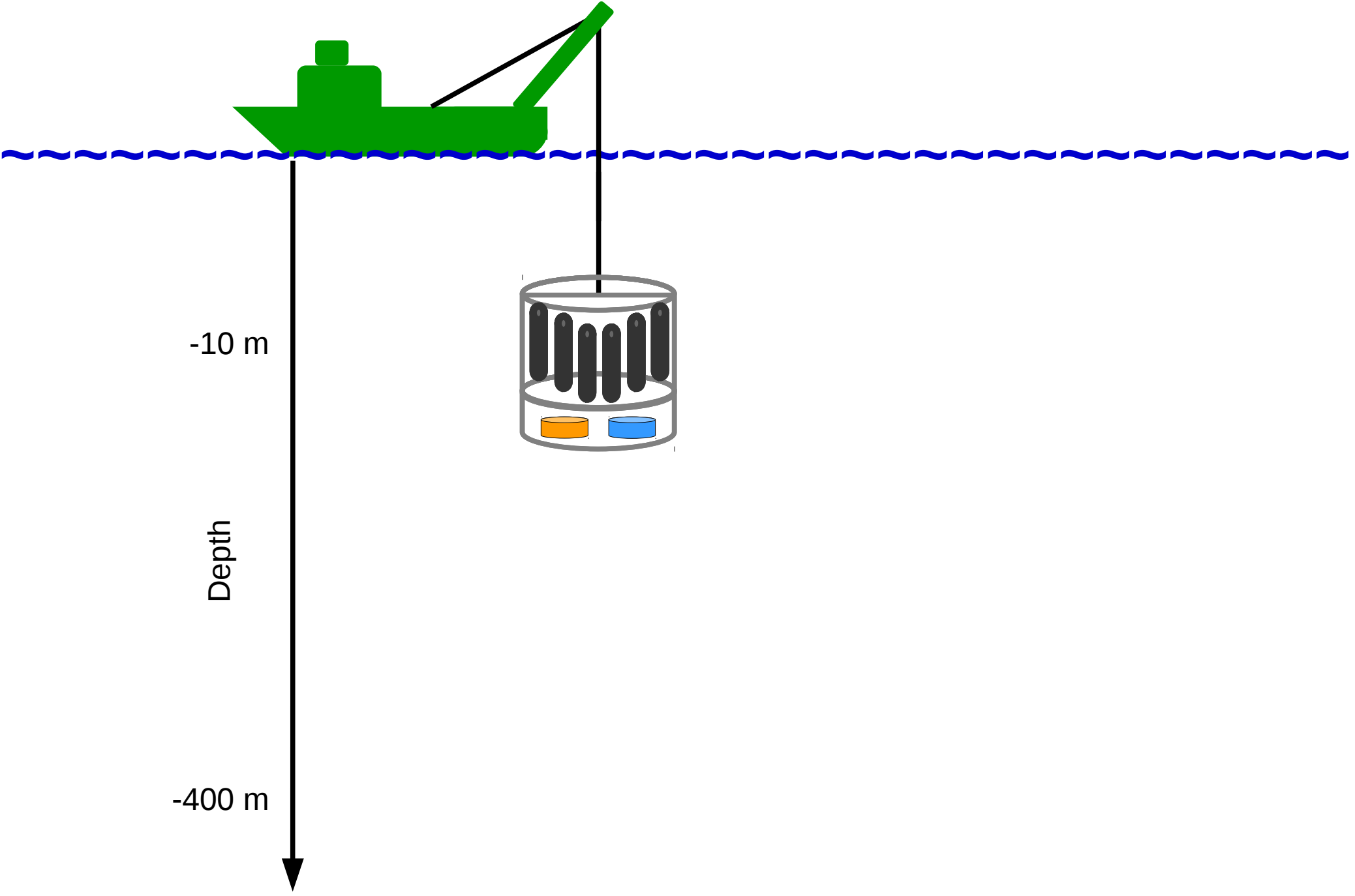


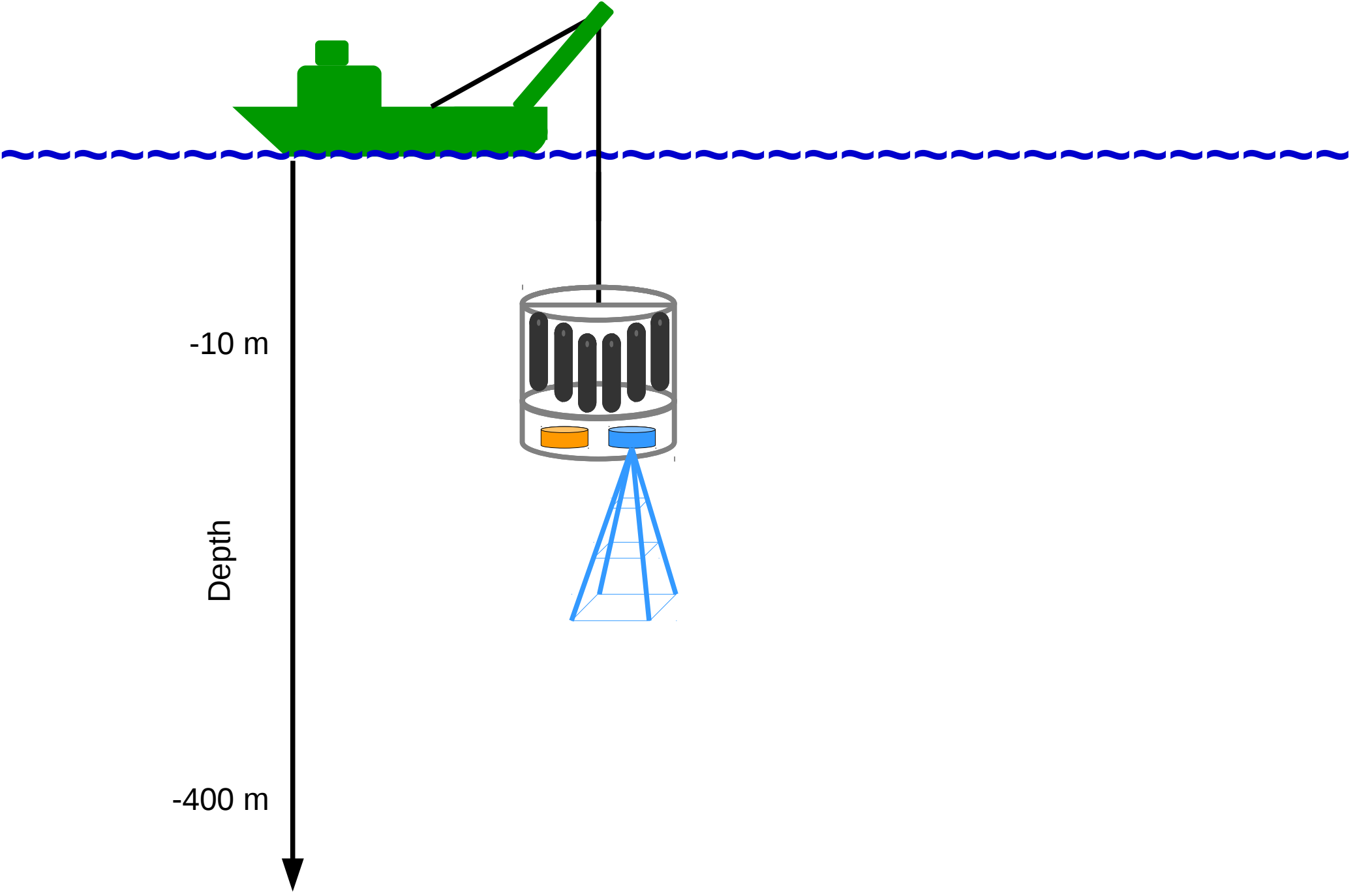


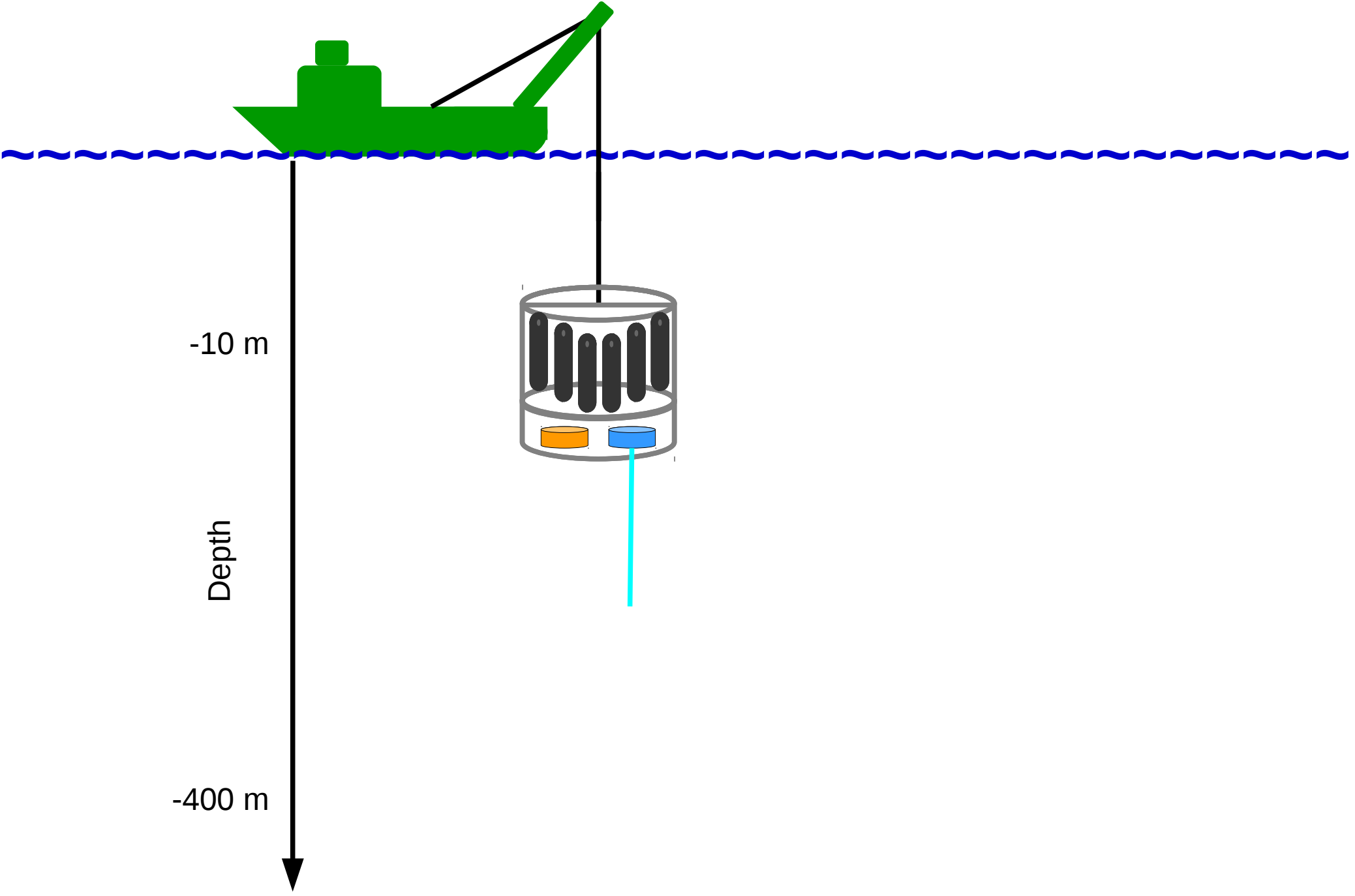


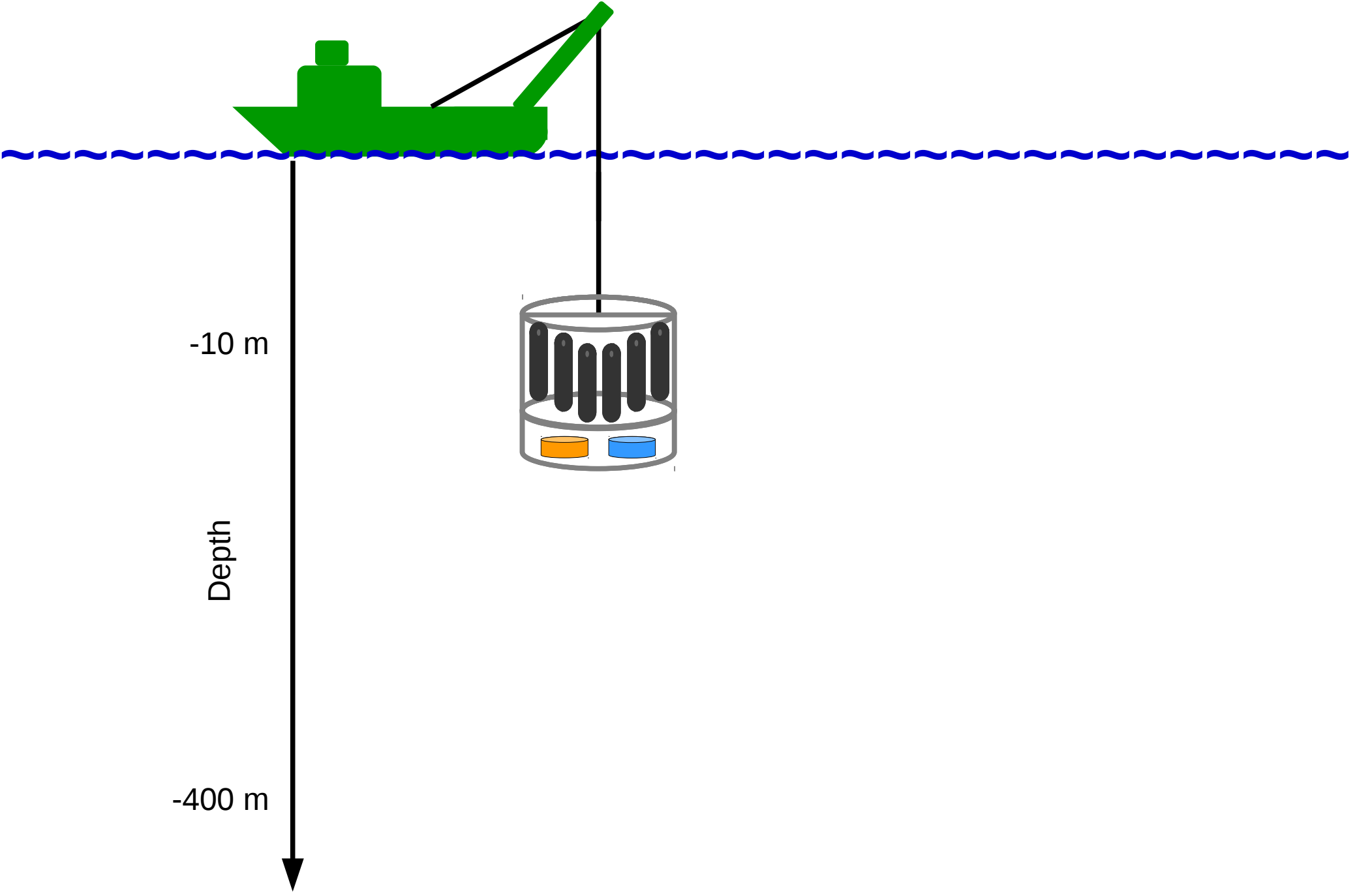


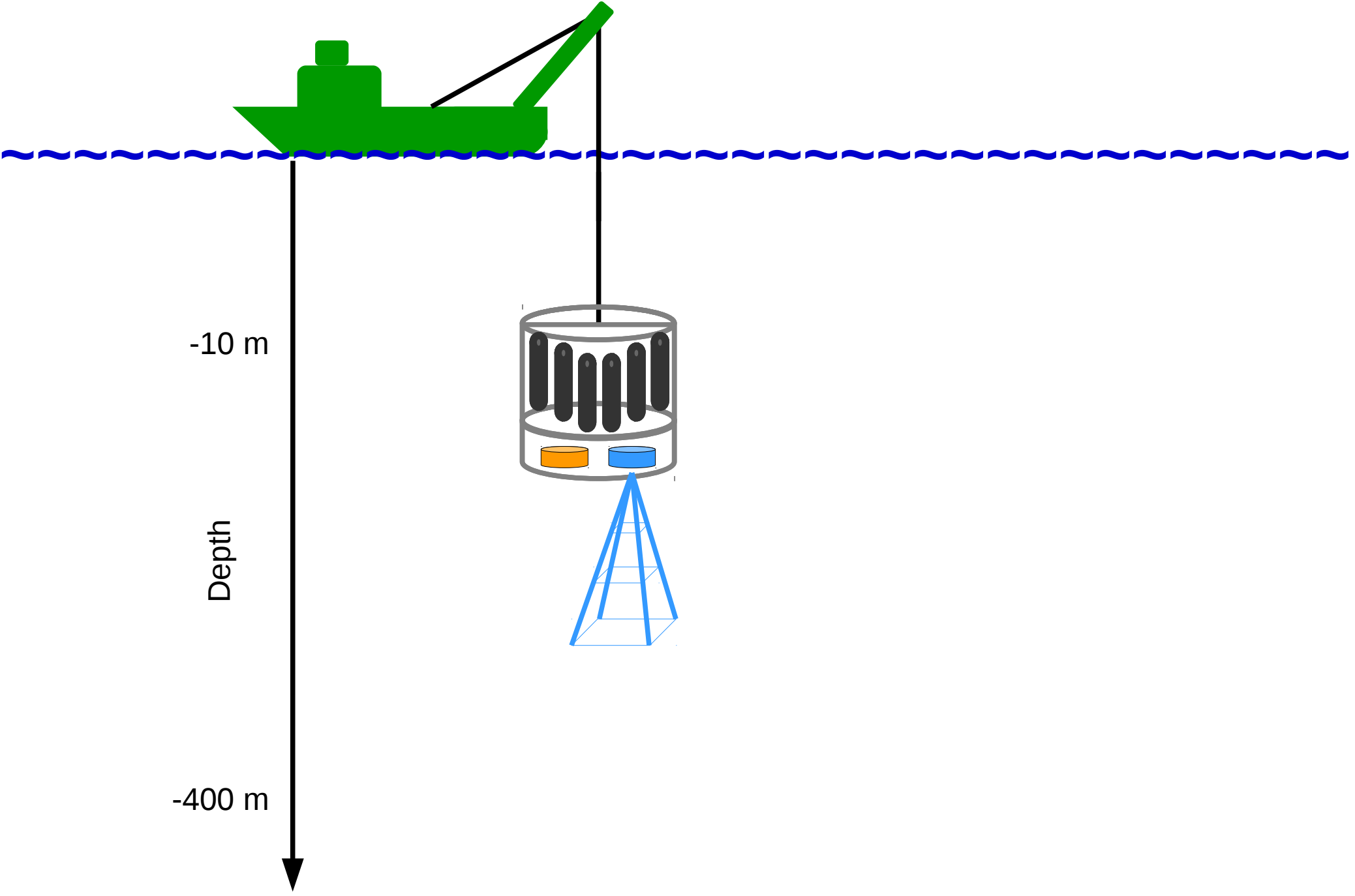


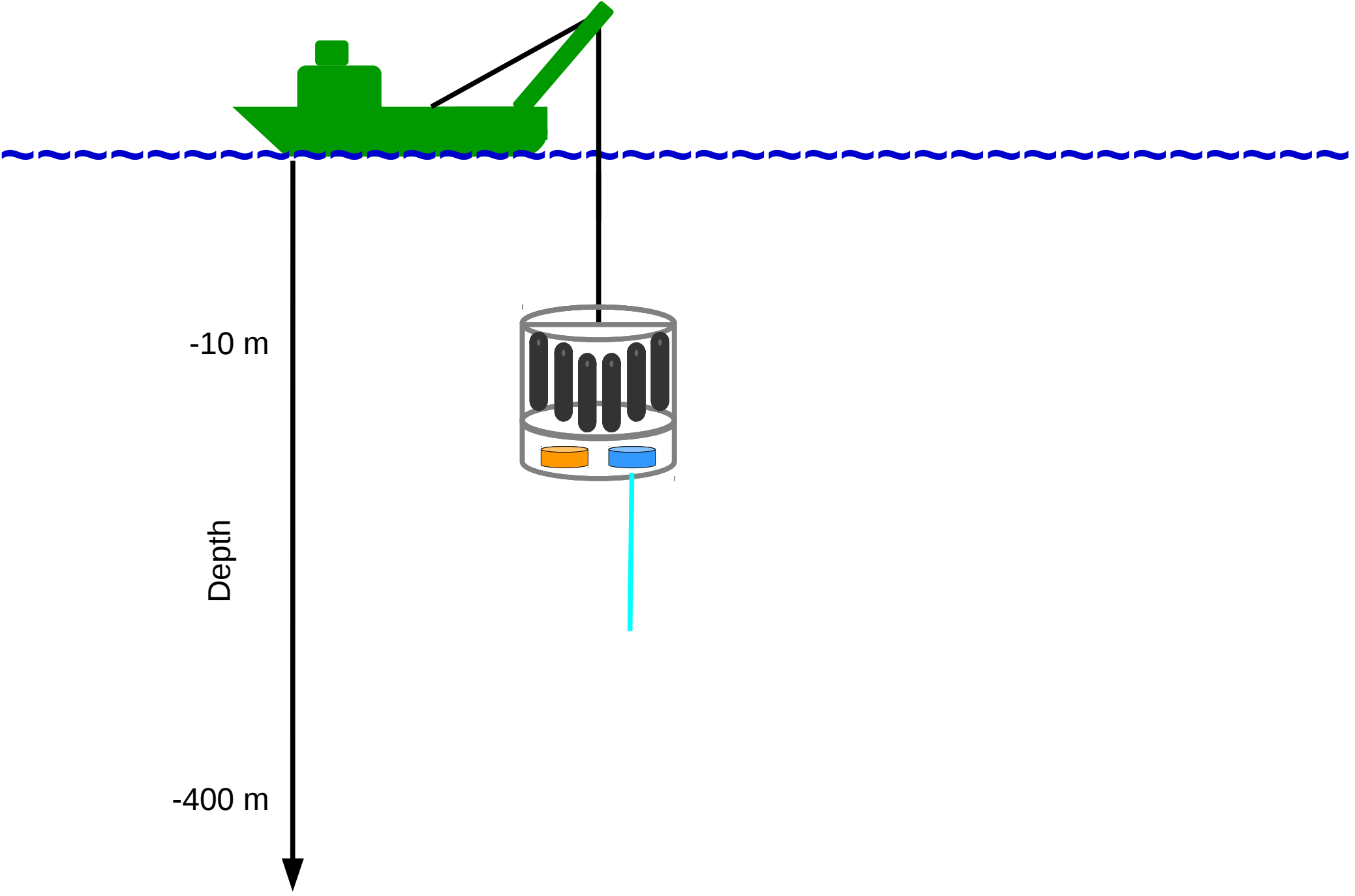


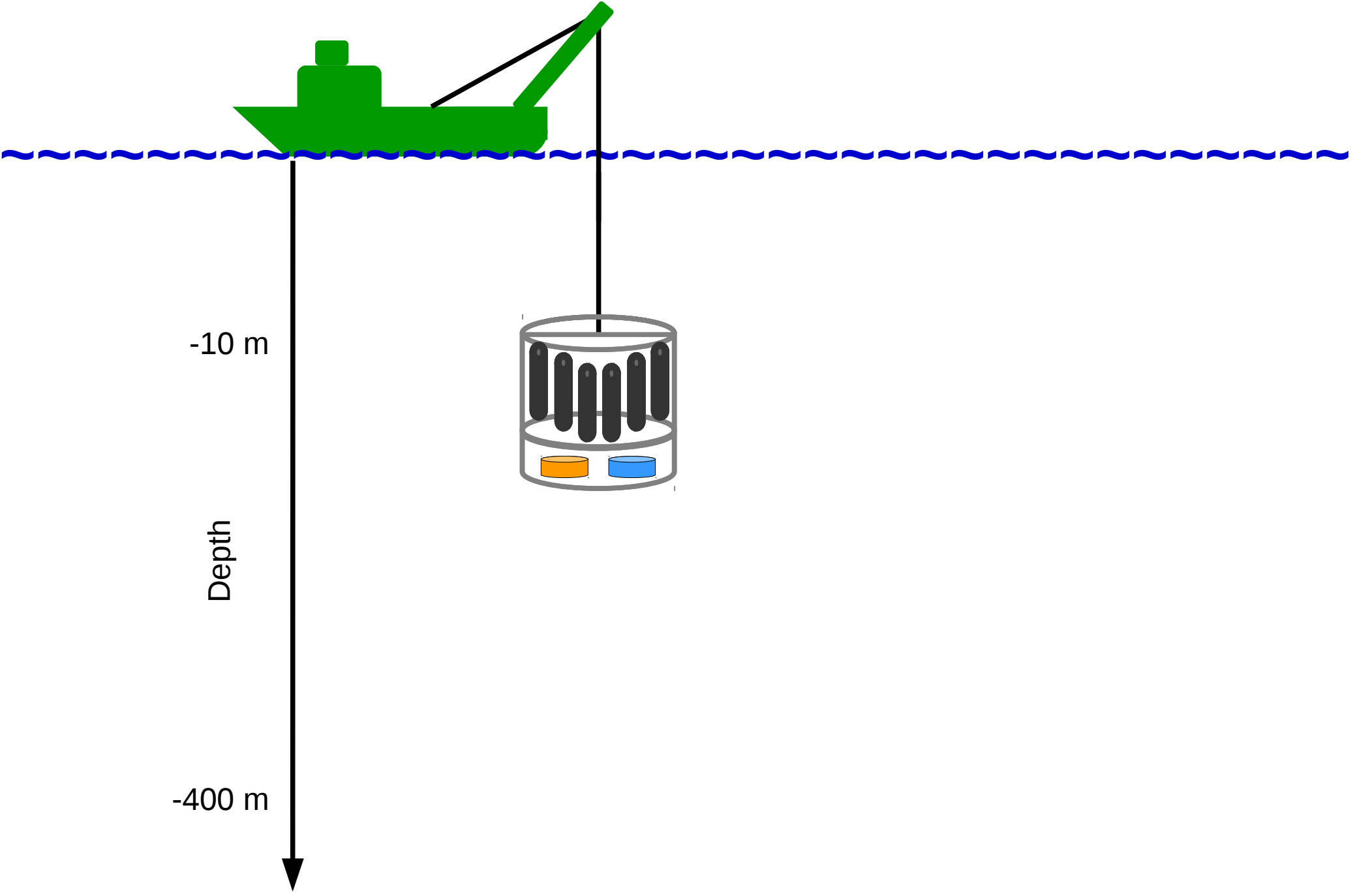


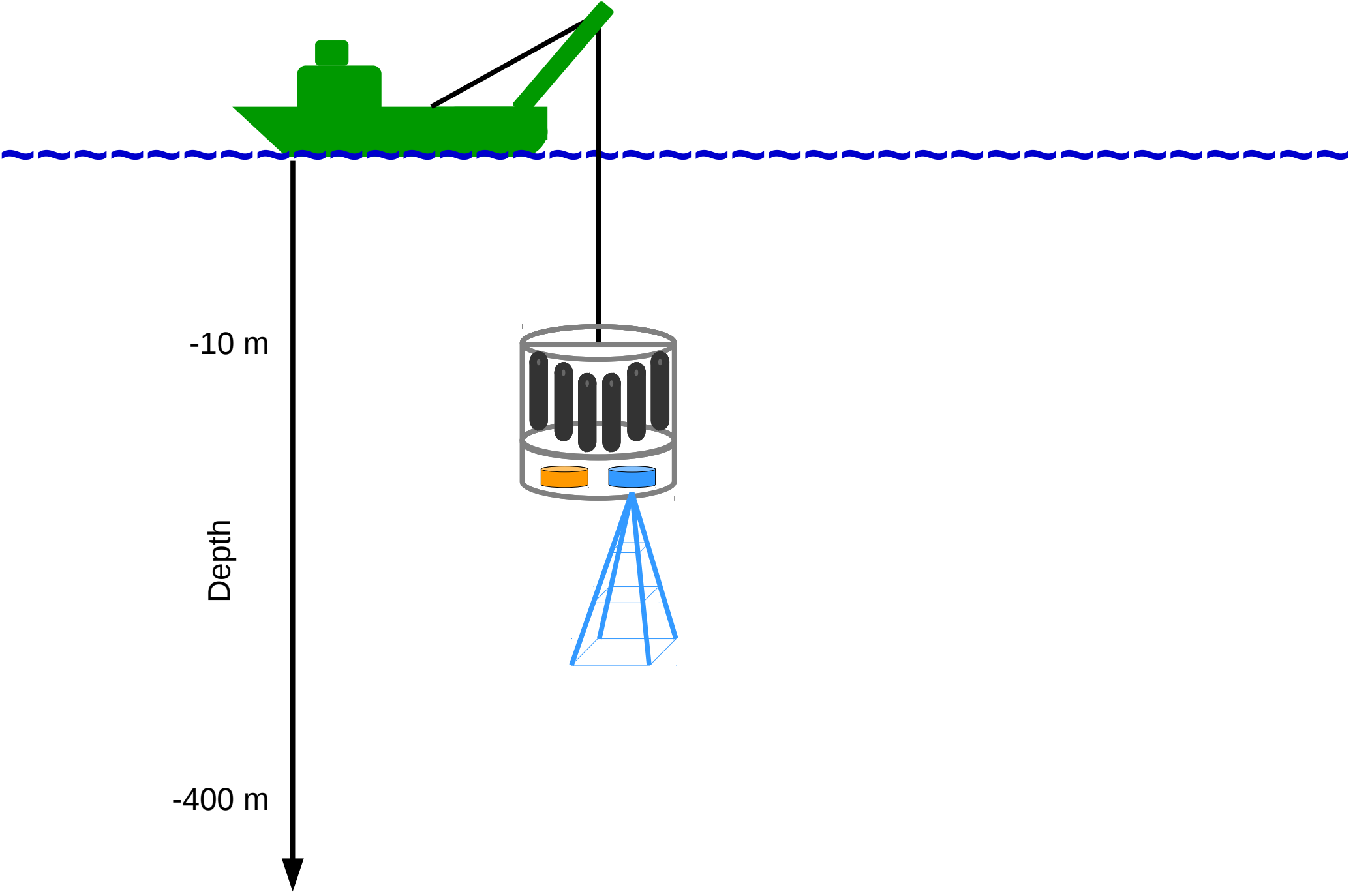


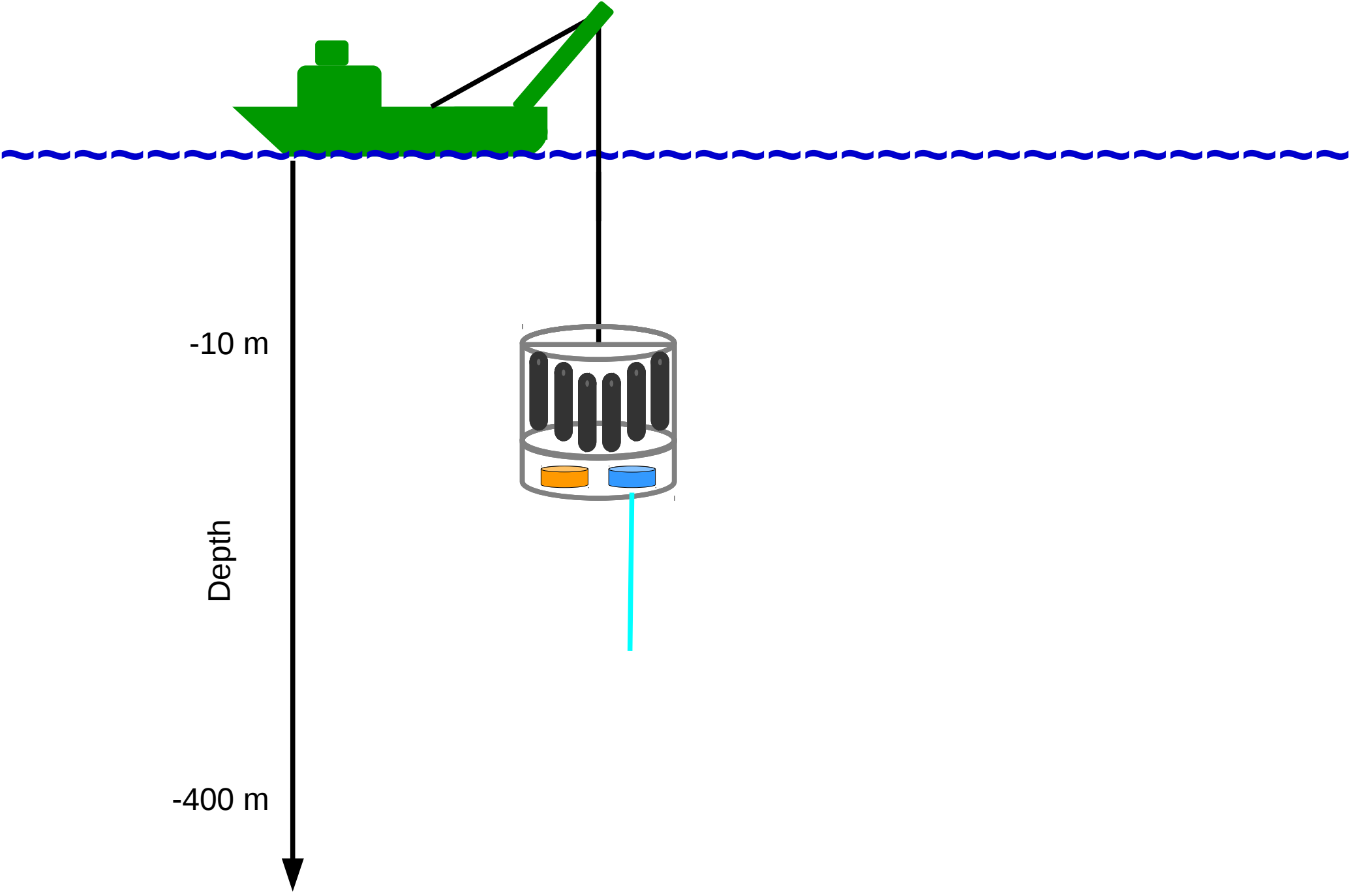


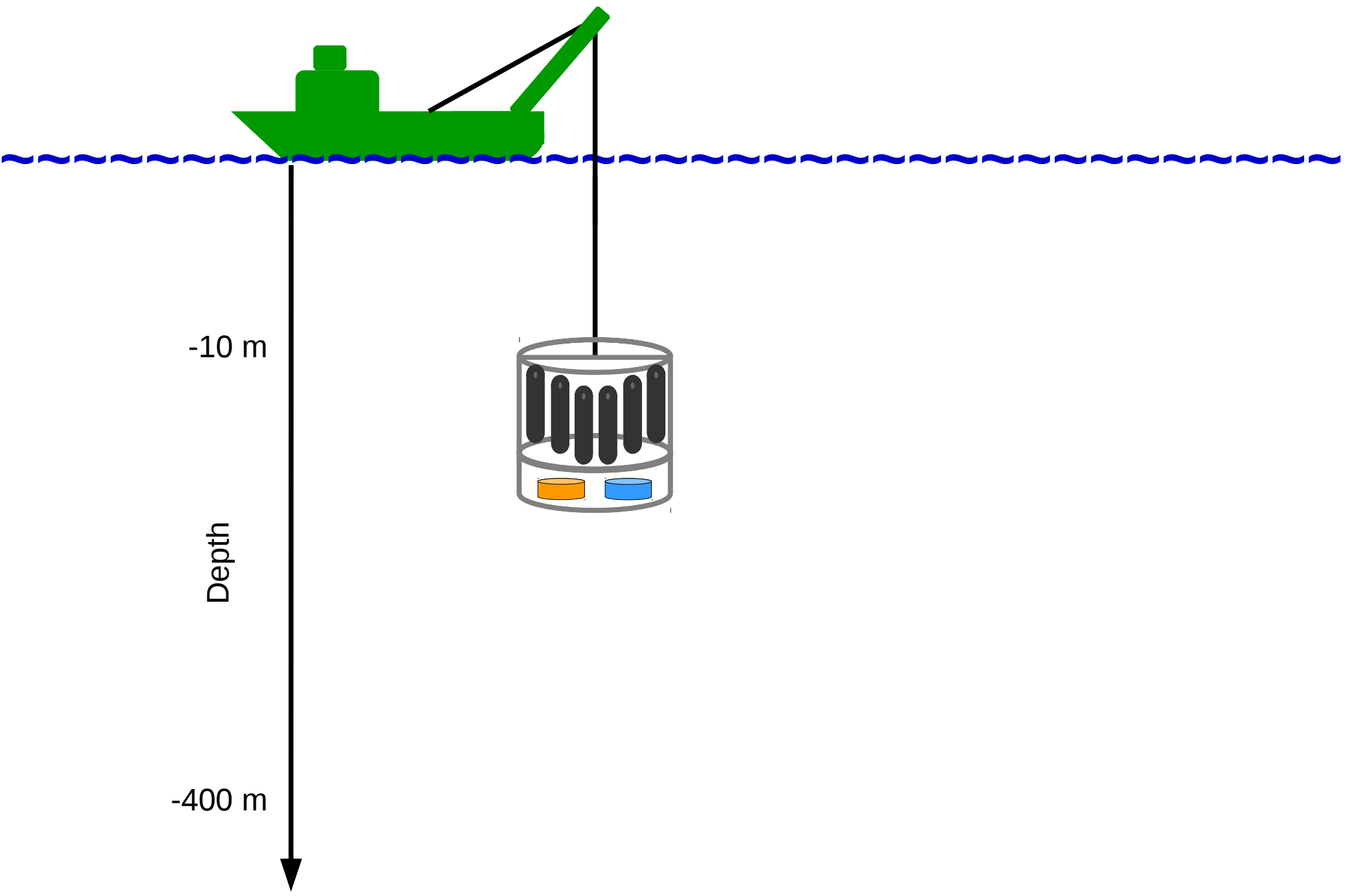


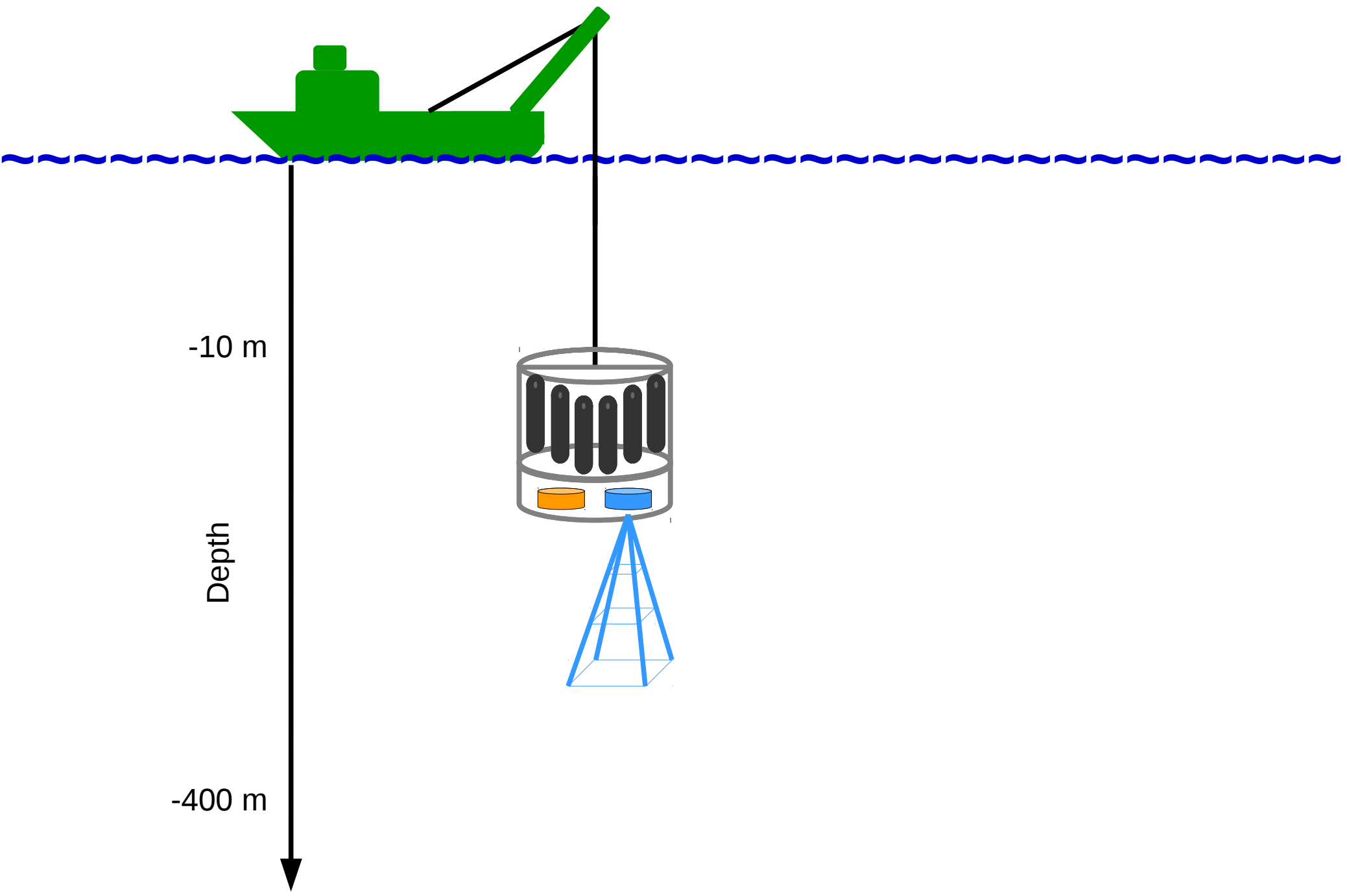


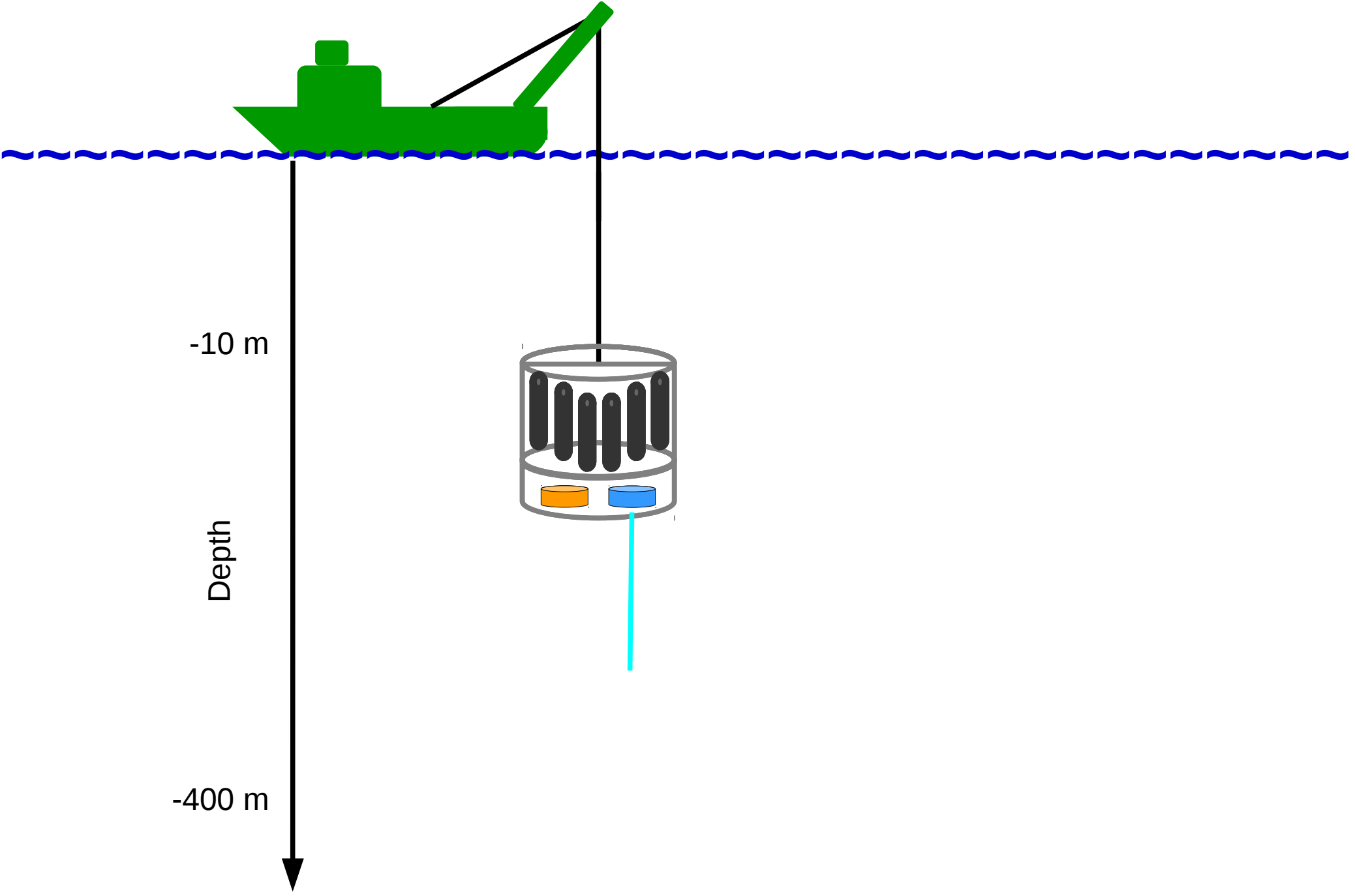


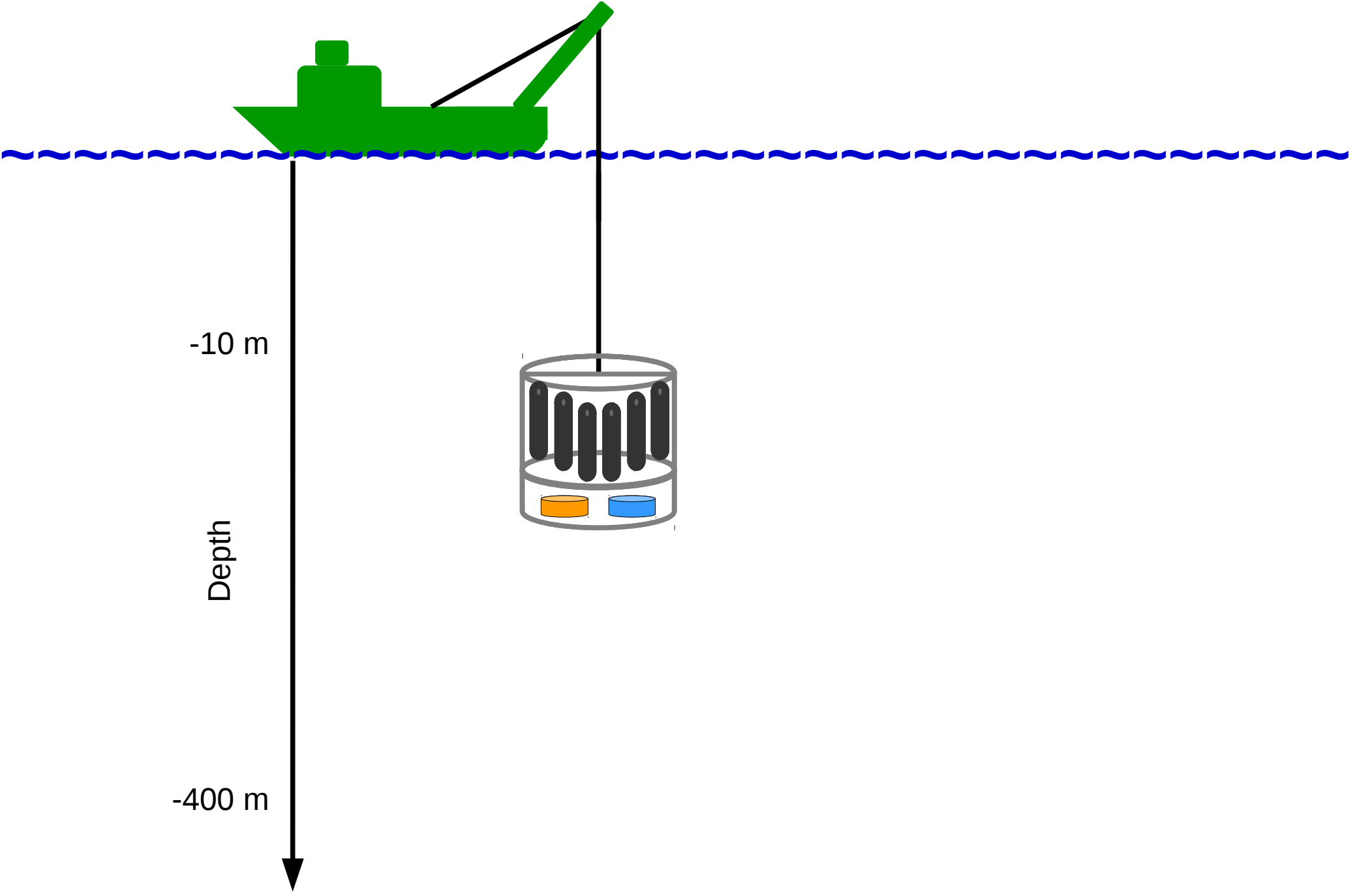


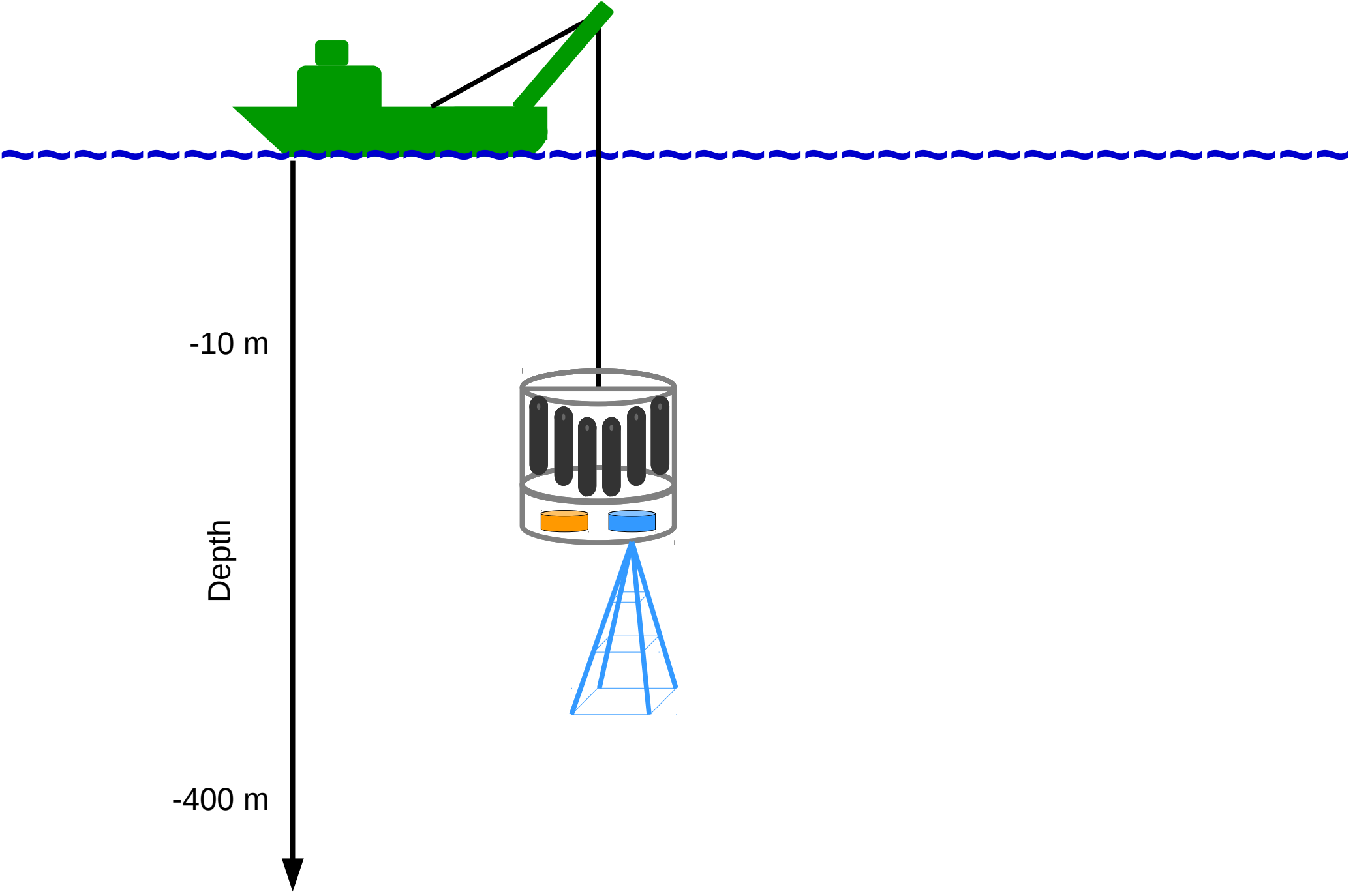


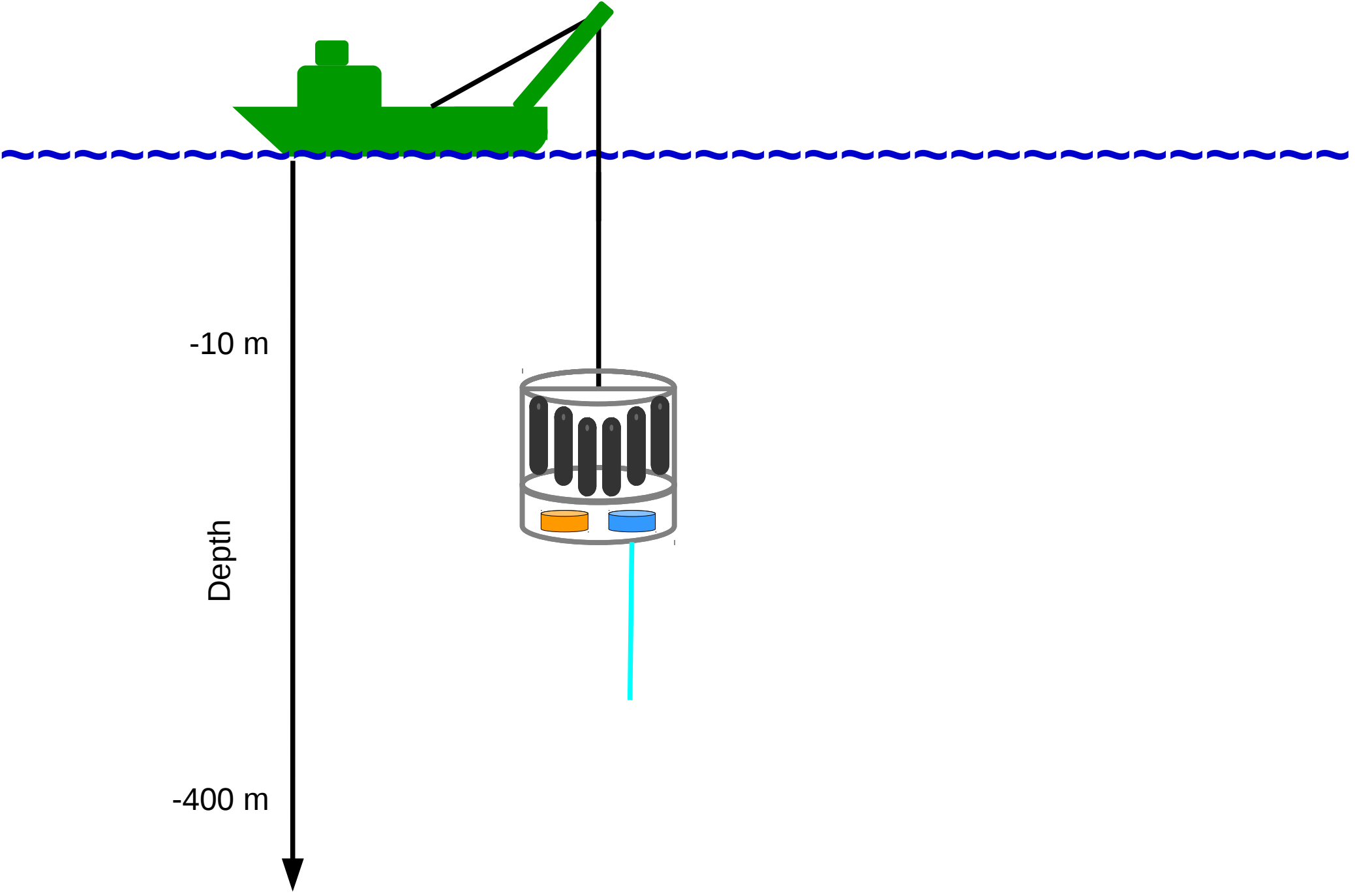


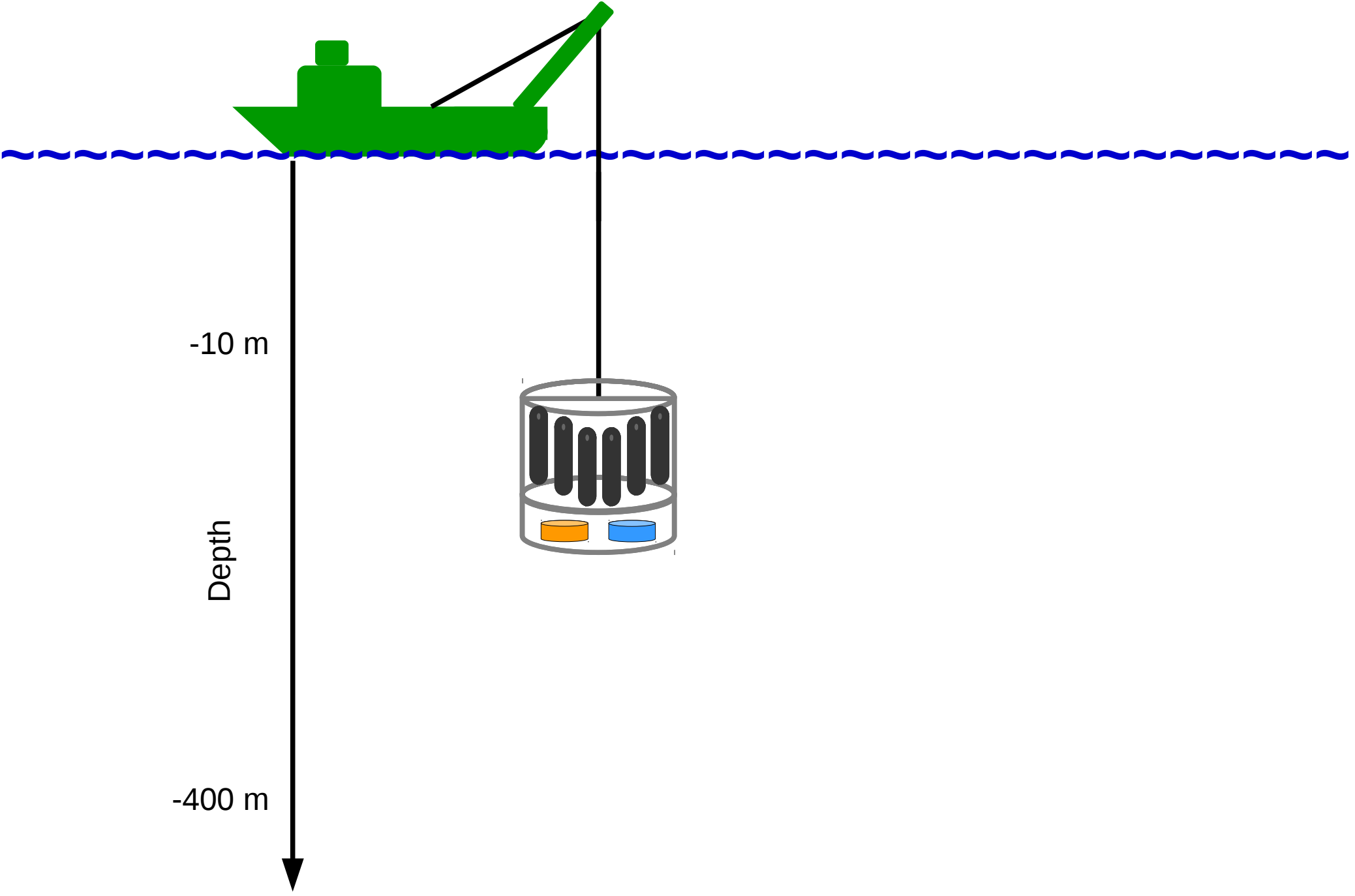


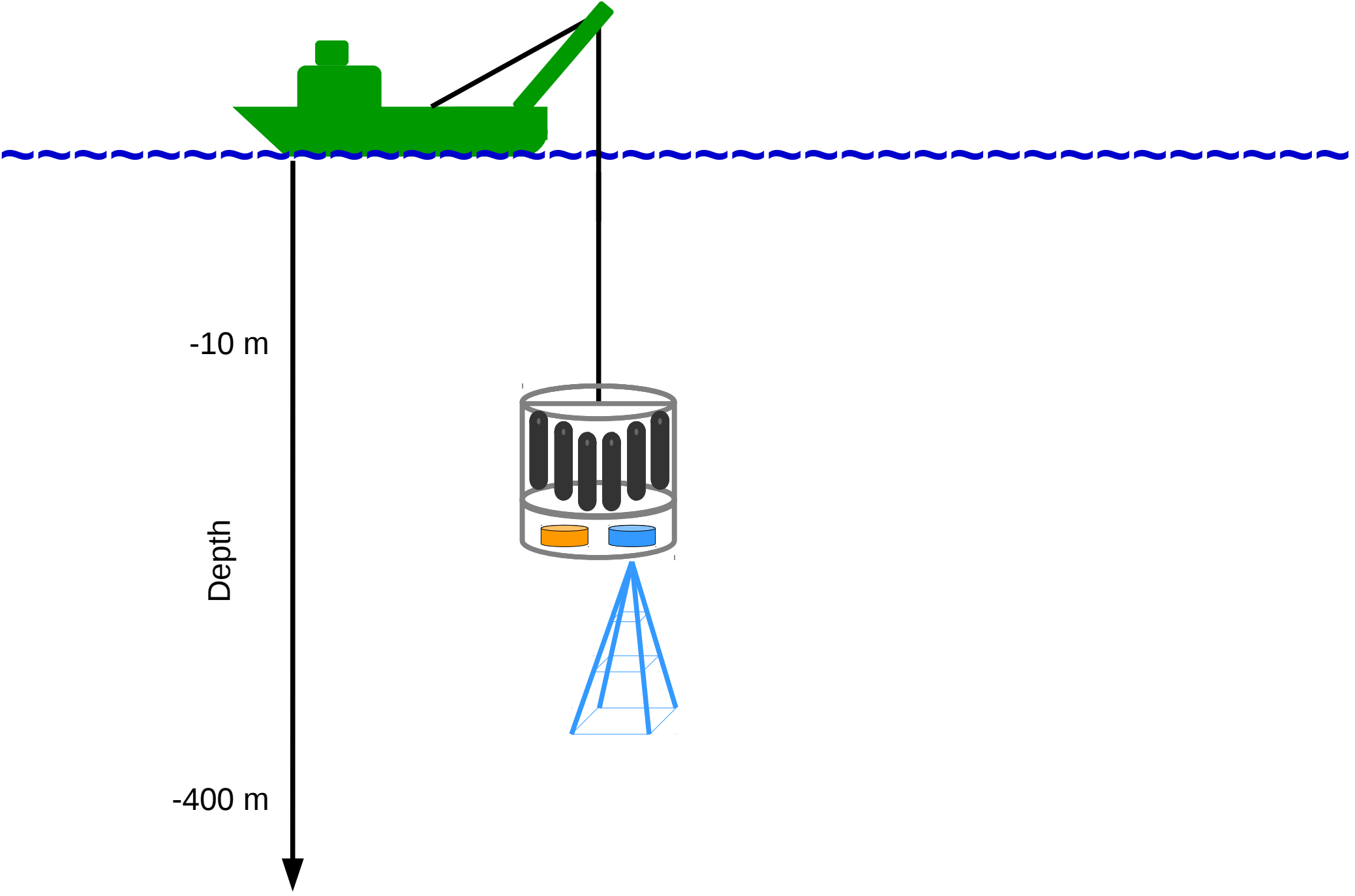


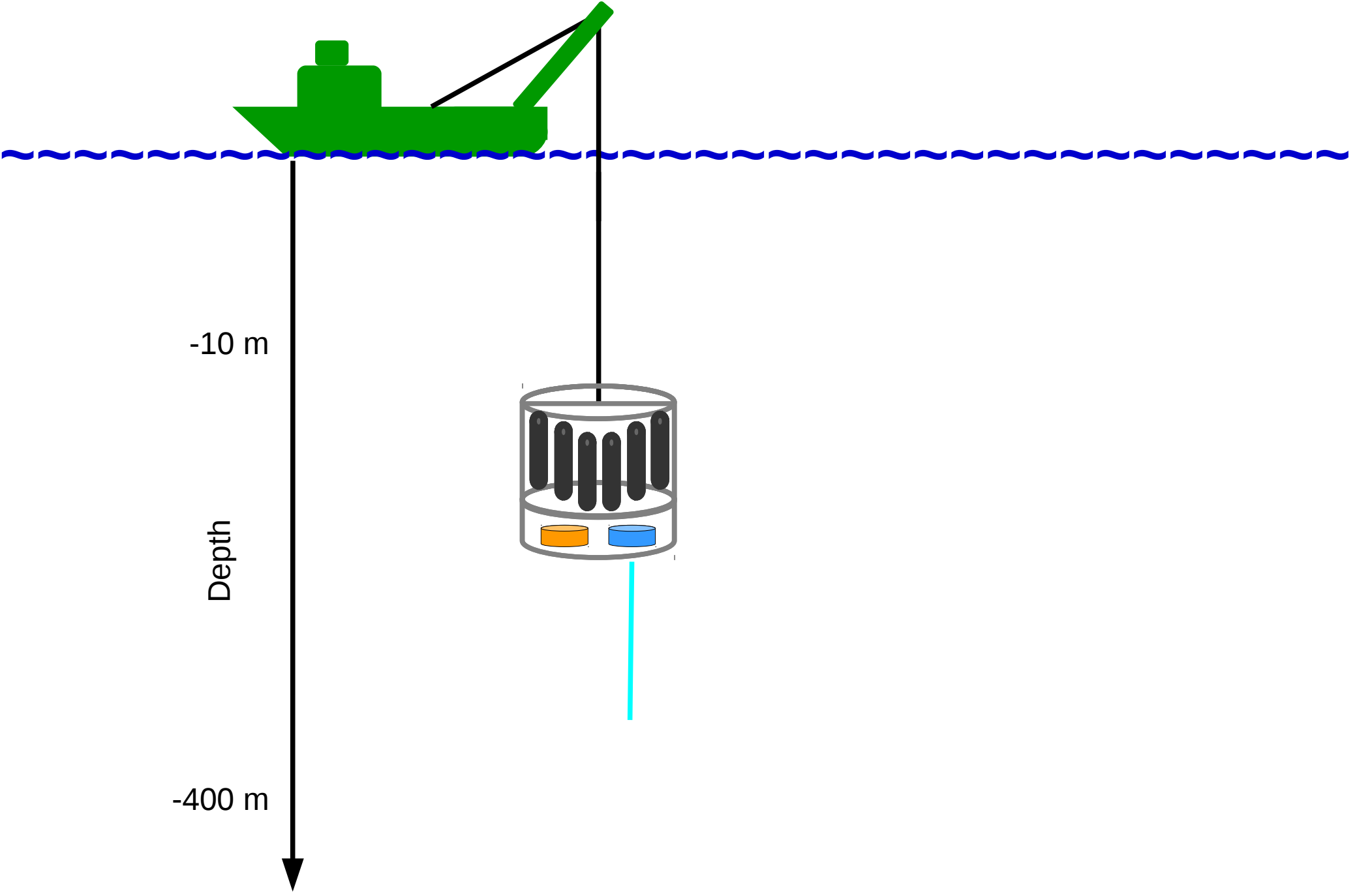


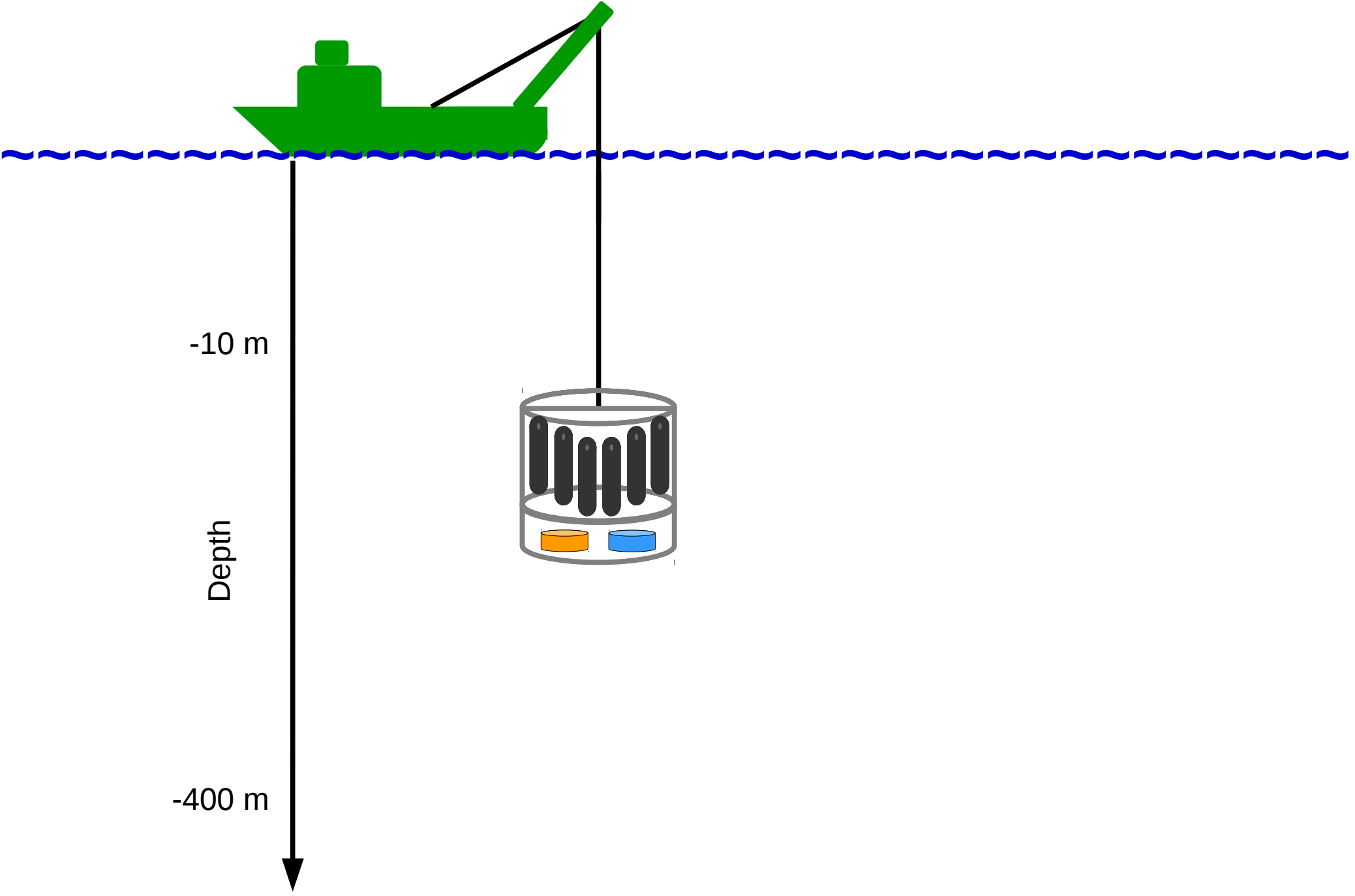


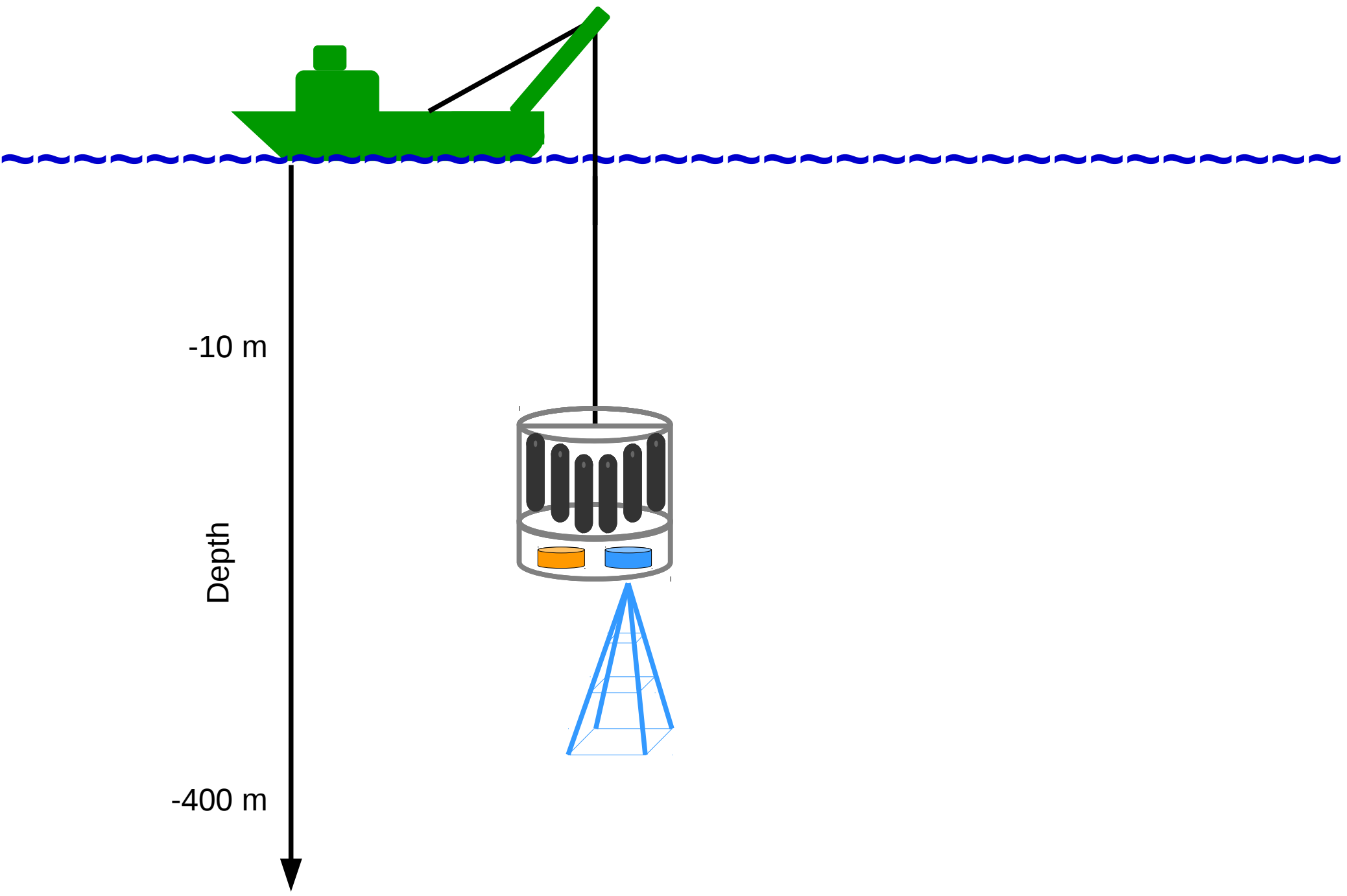


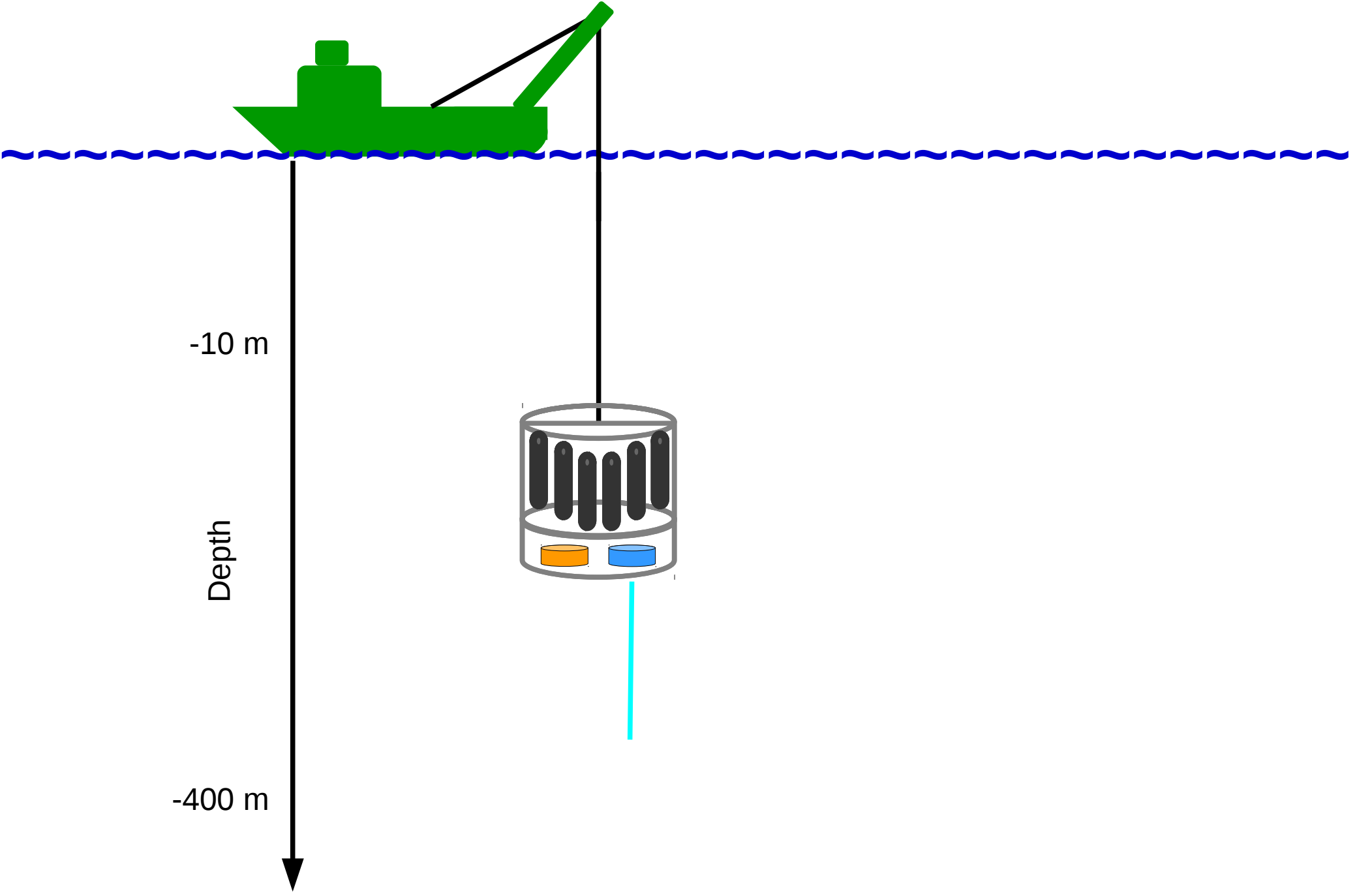


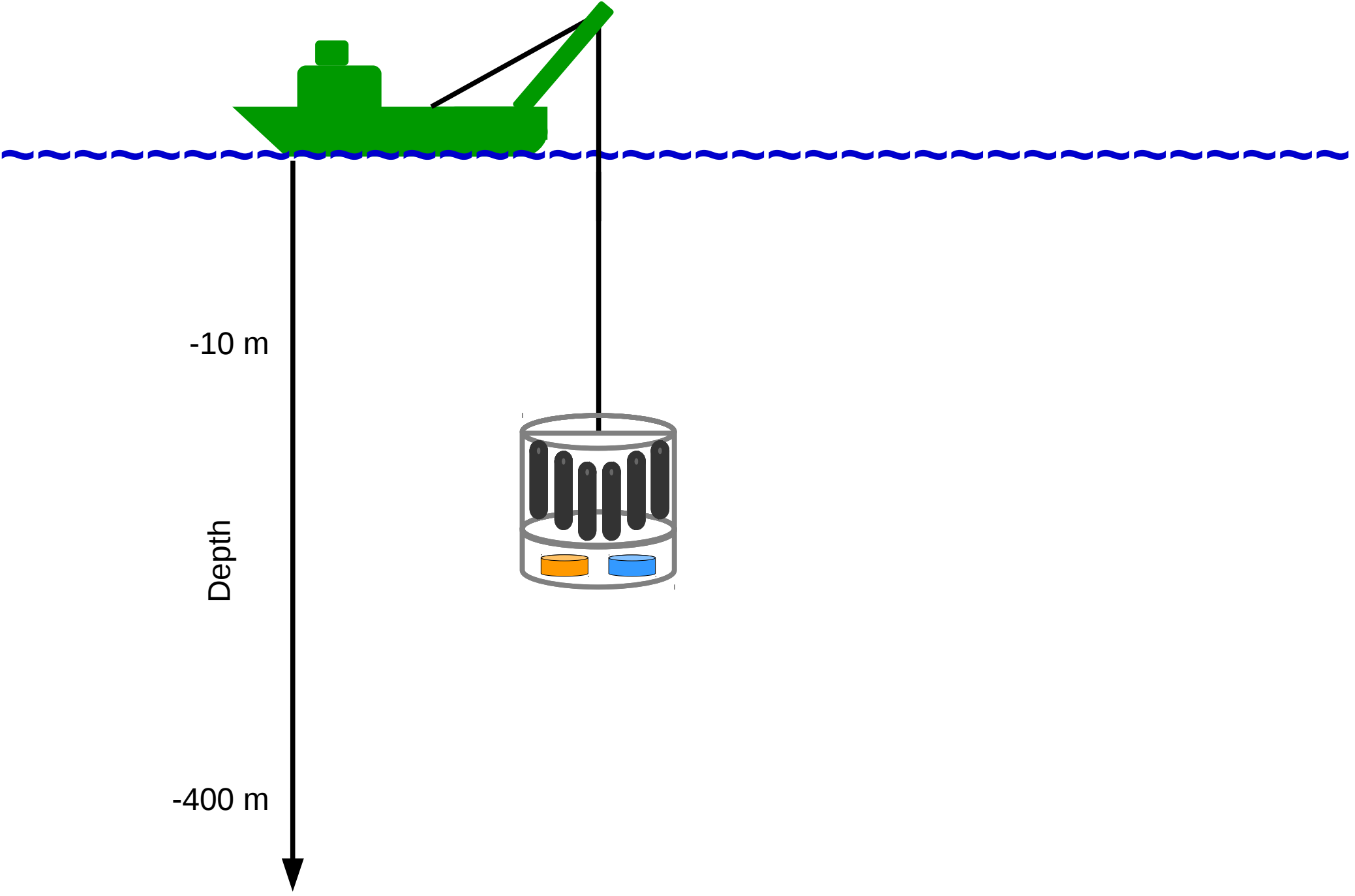


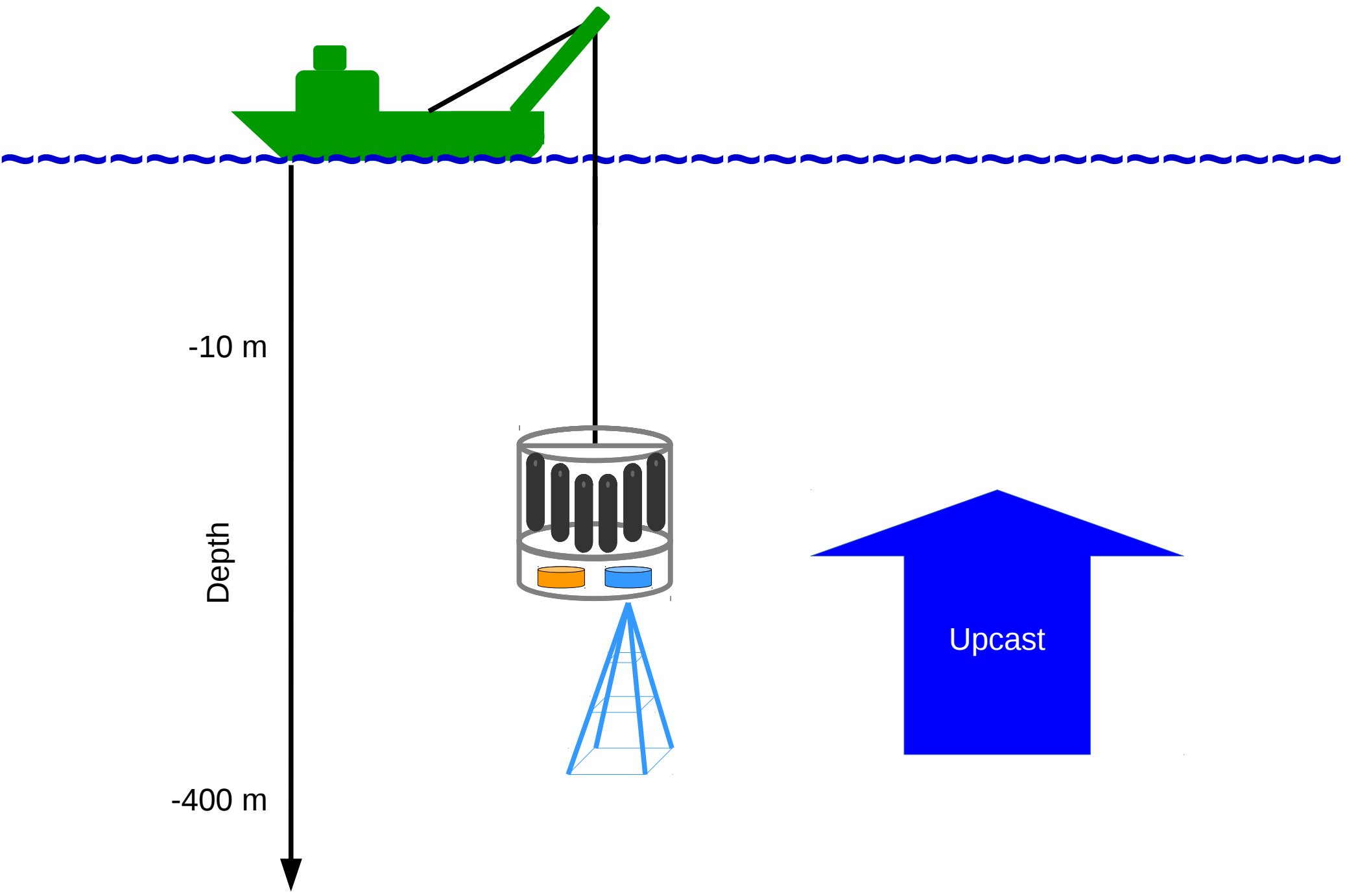


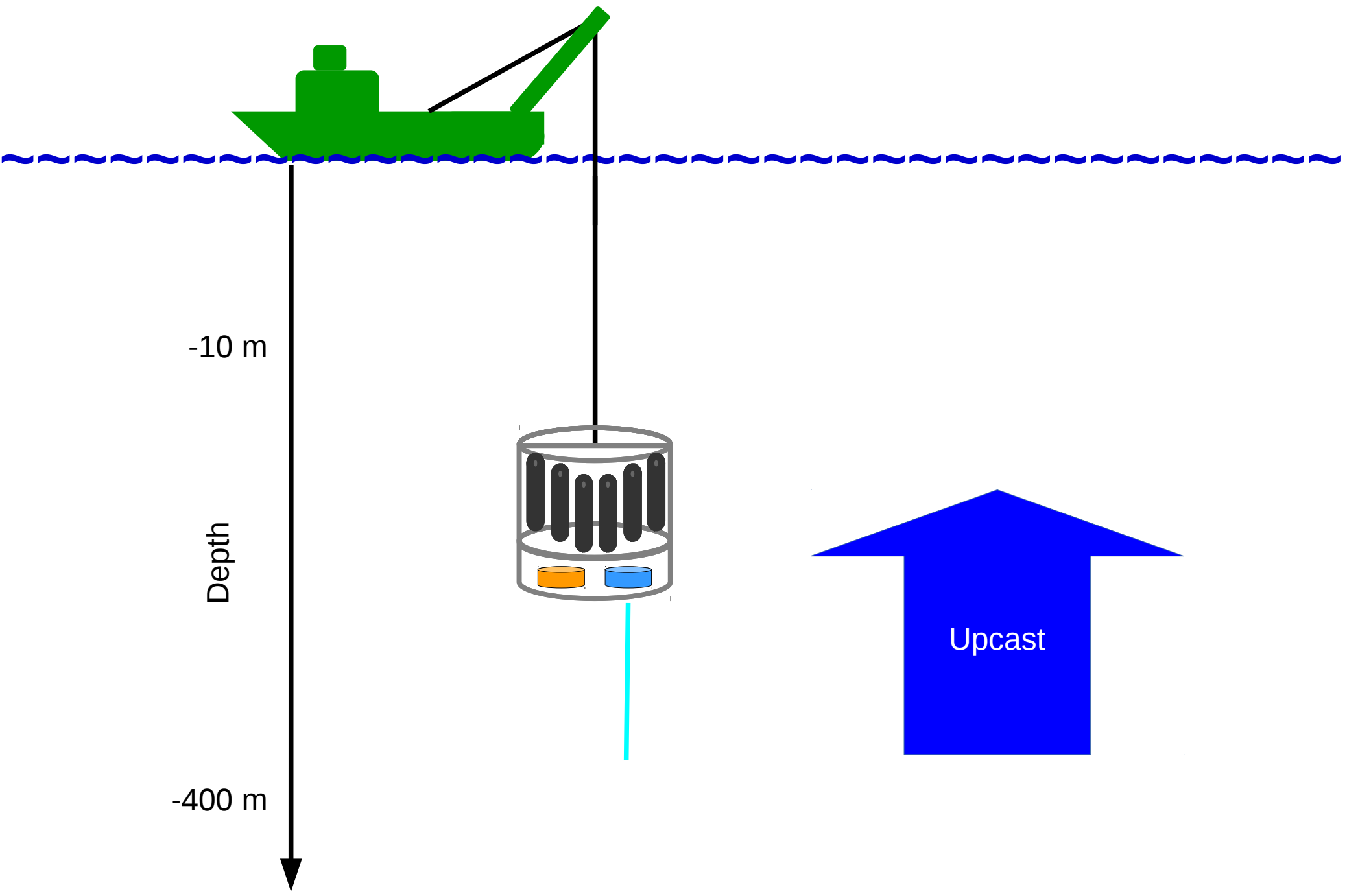










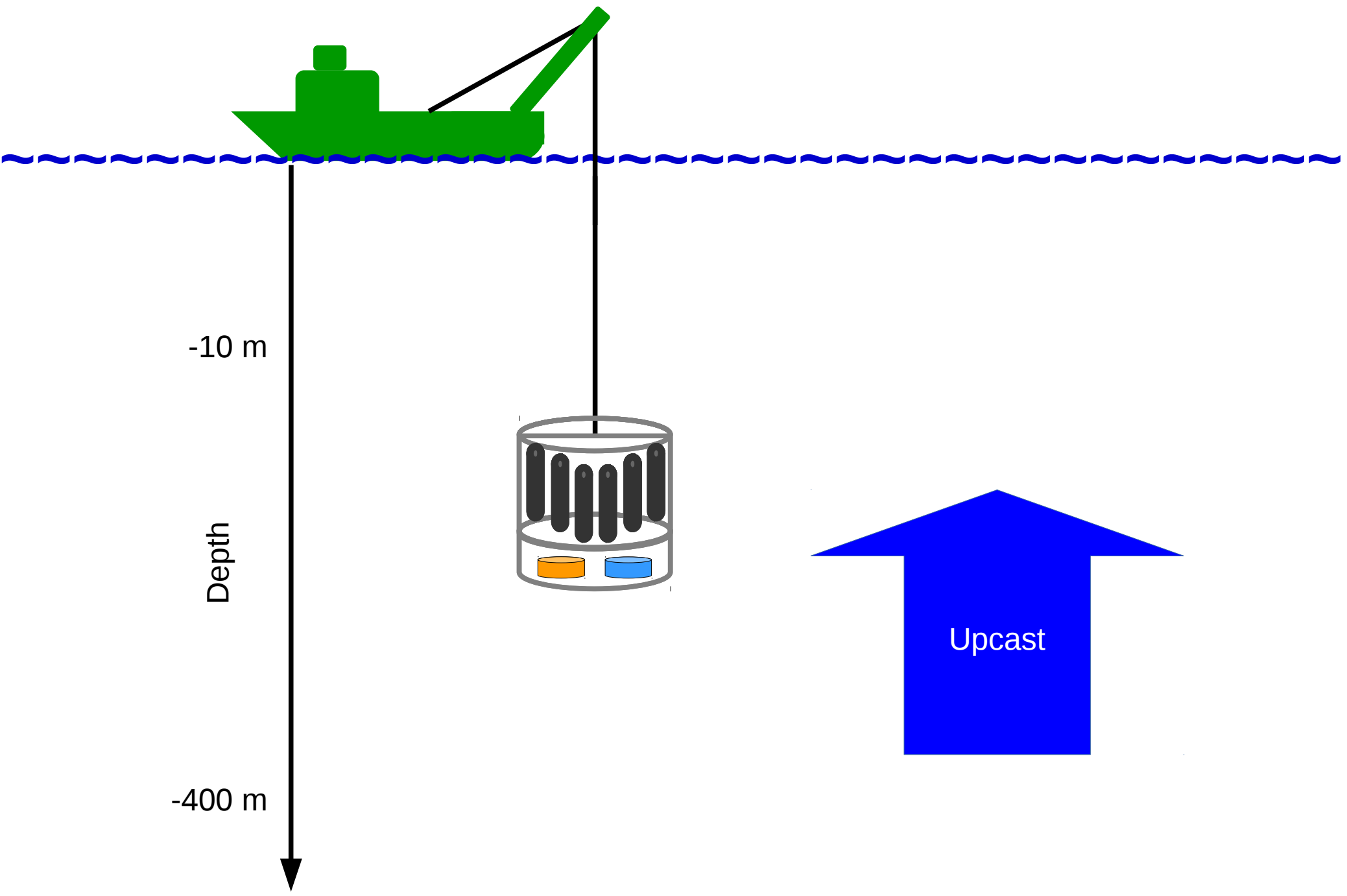


-10 m

Depth

-400 m

Upcast

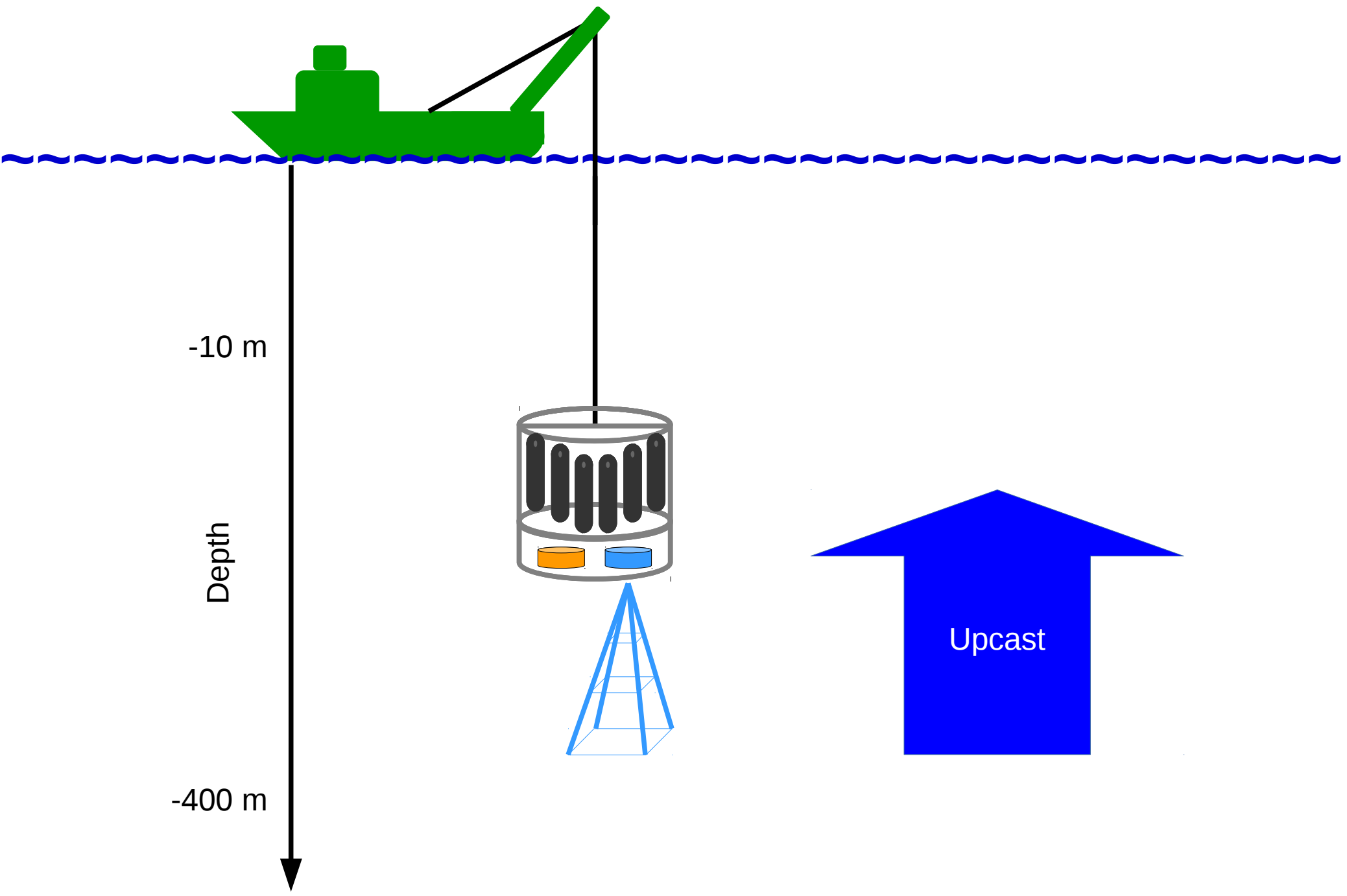


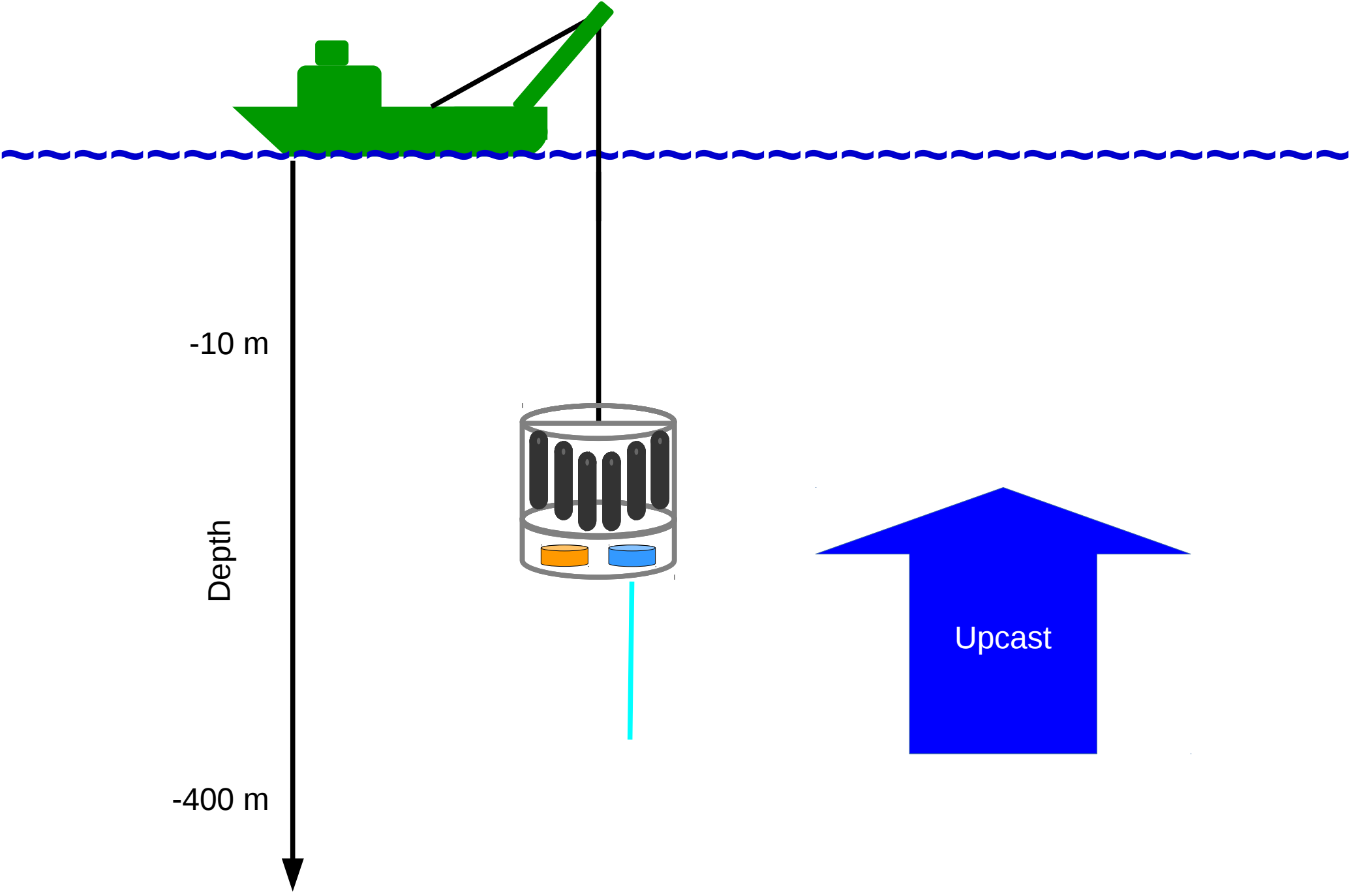
-10 m

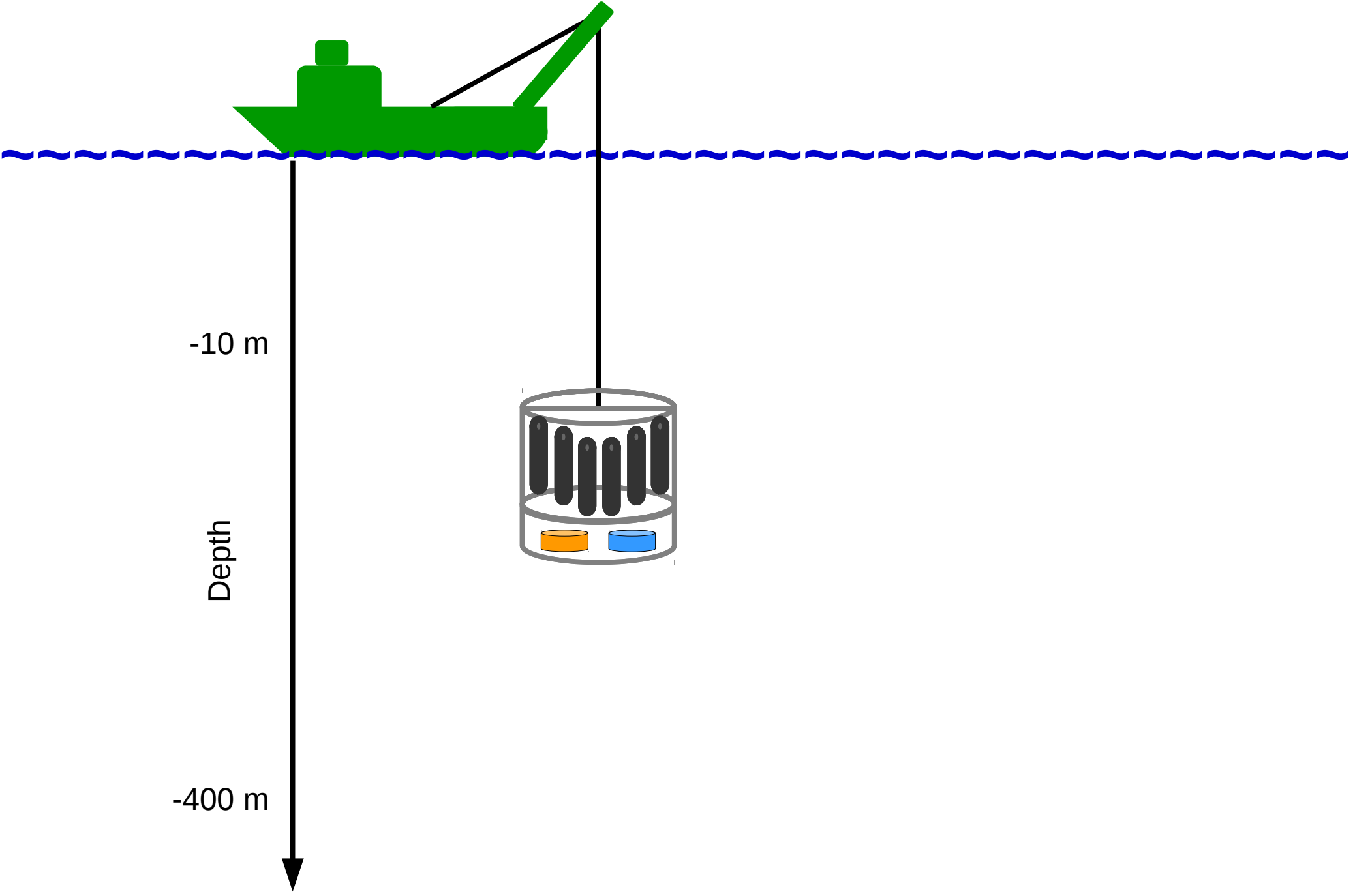
Depth

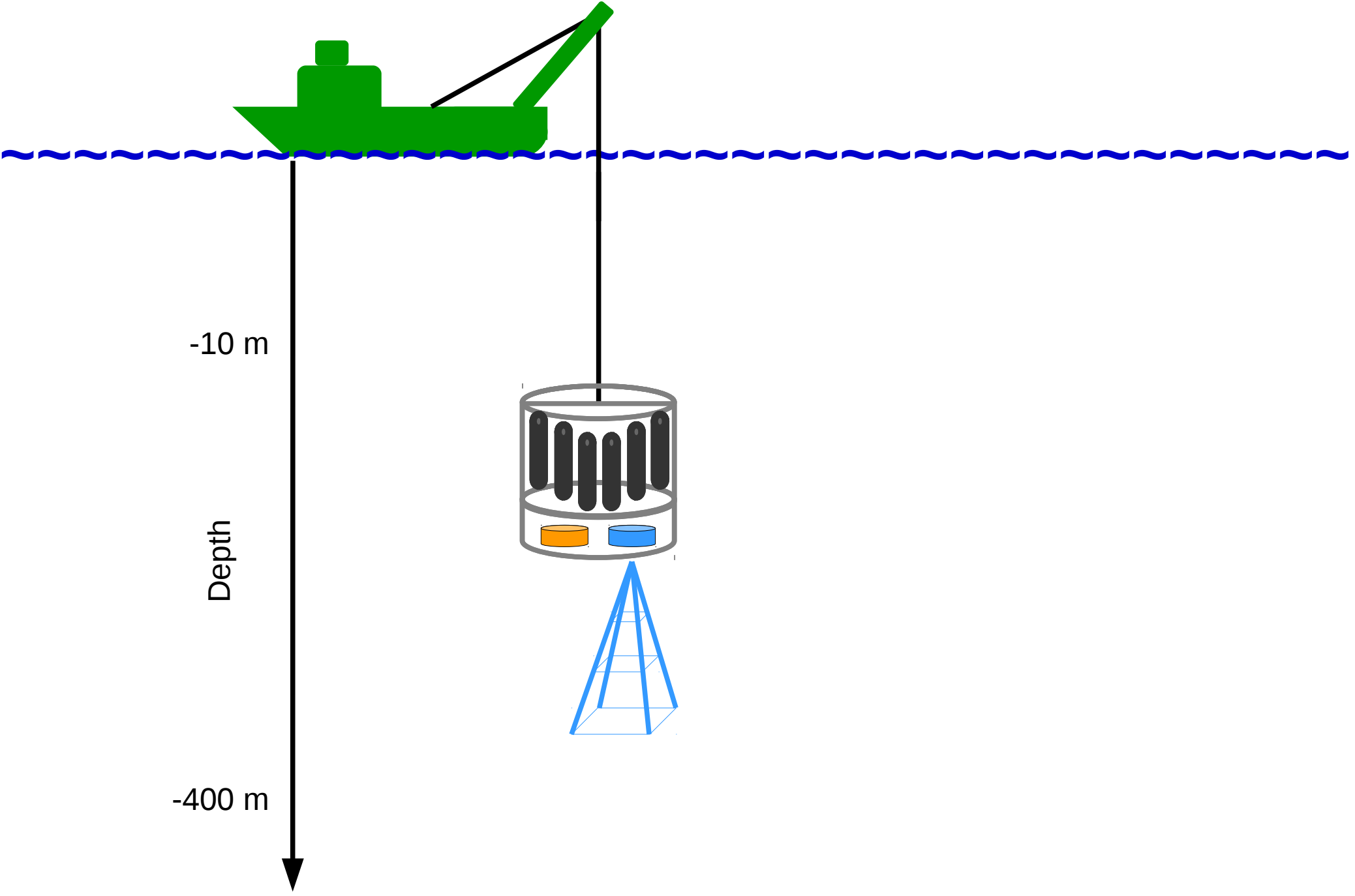
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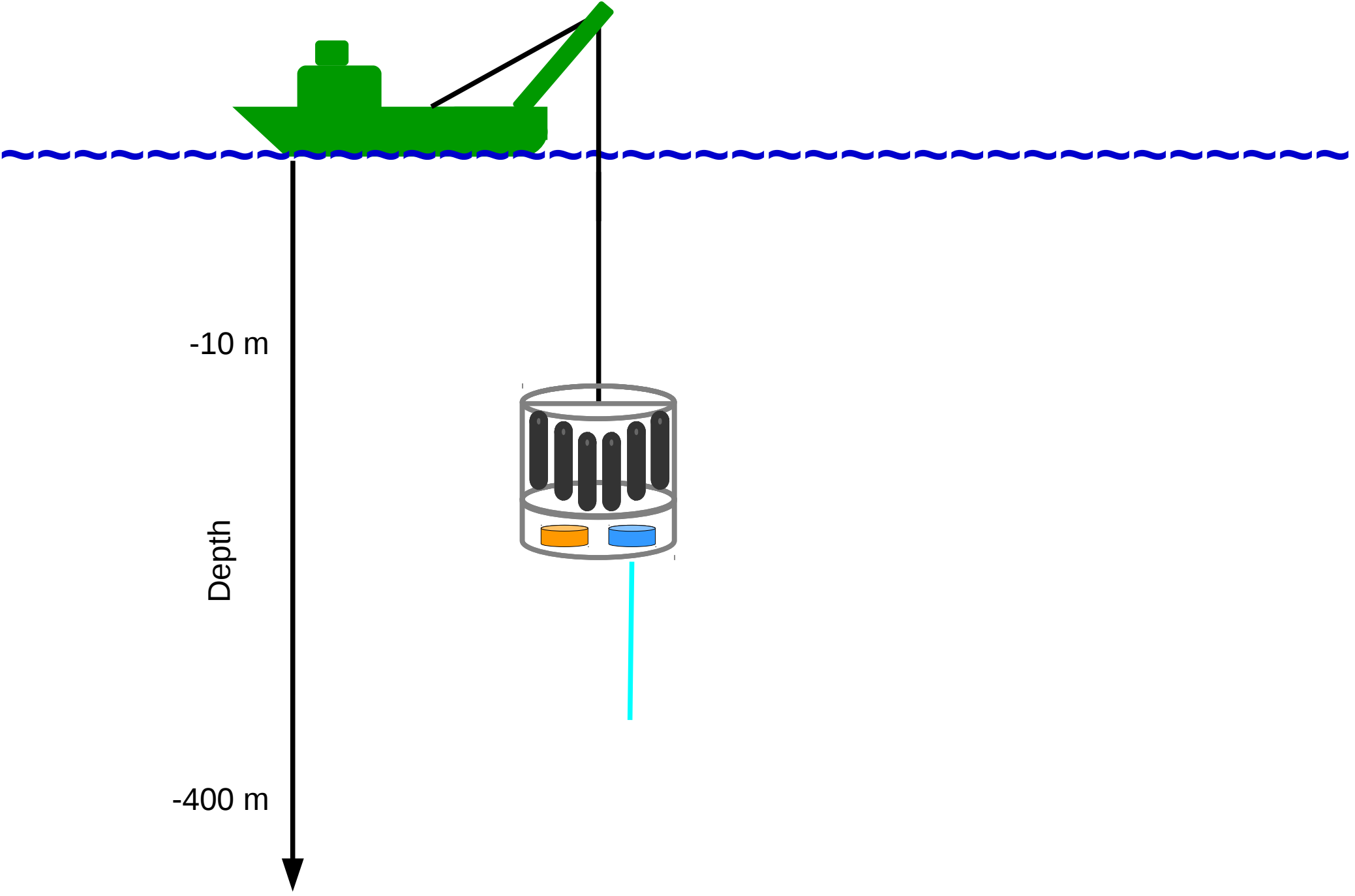
Upcast

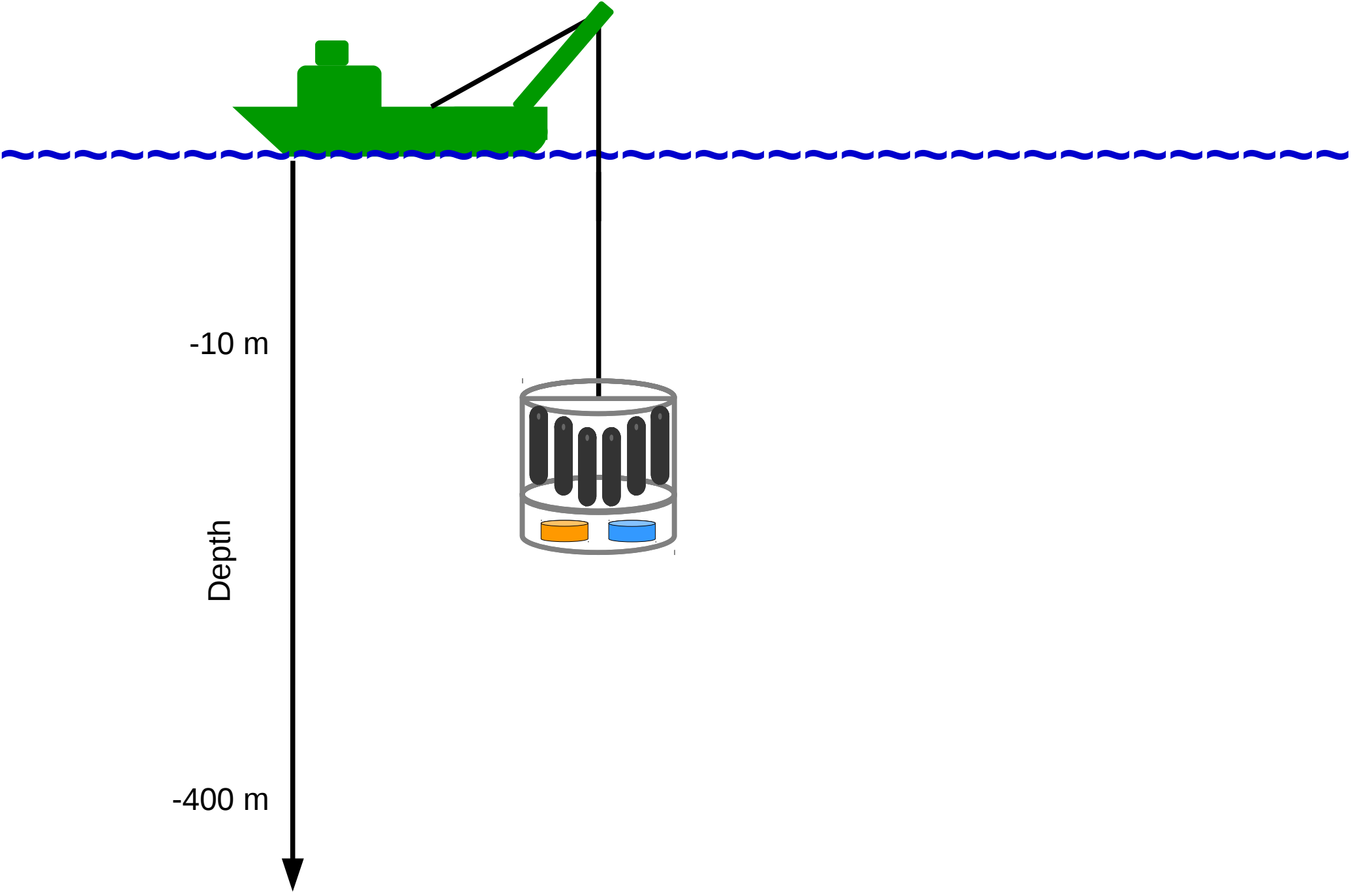


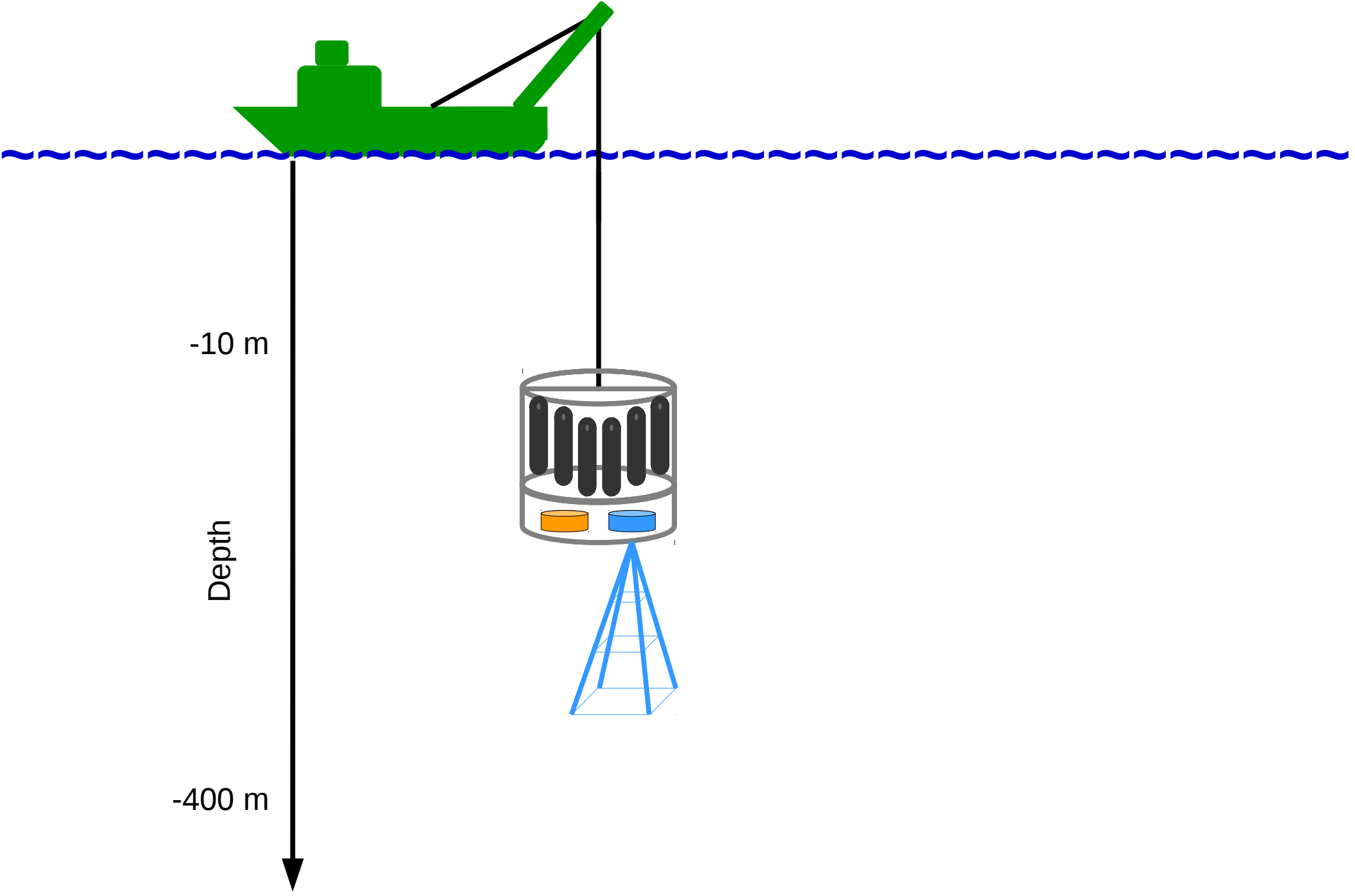


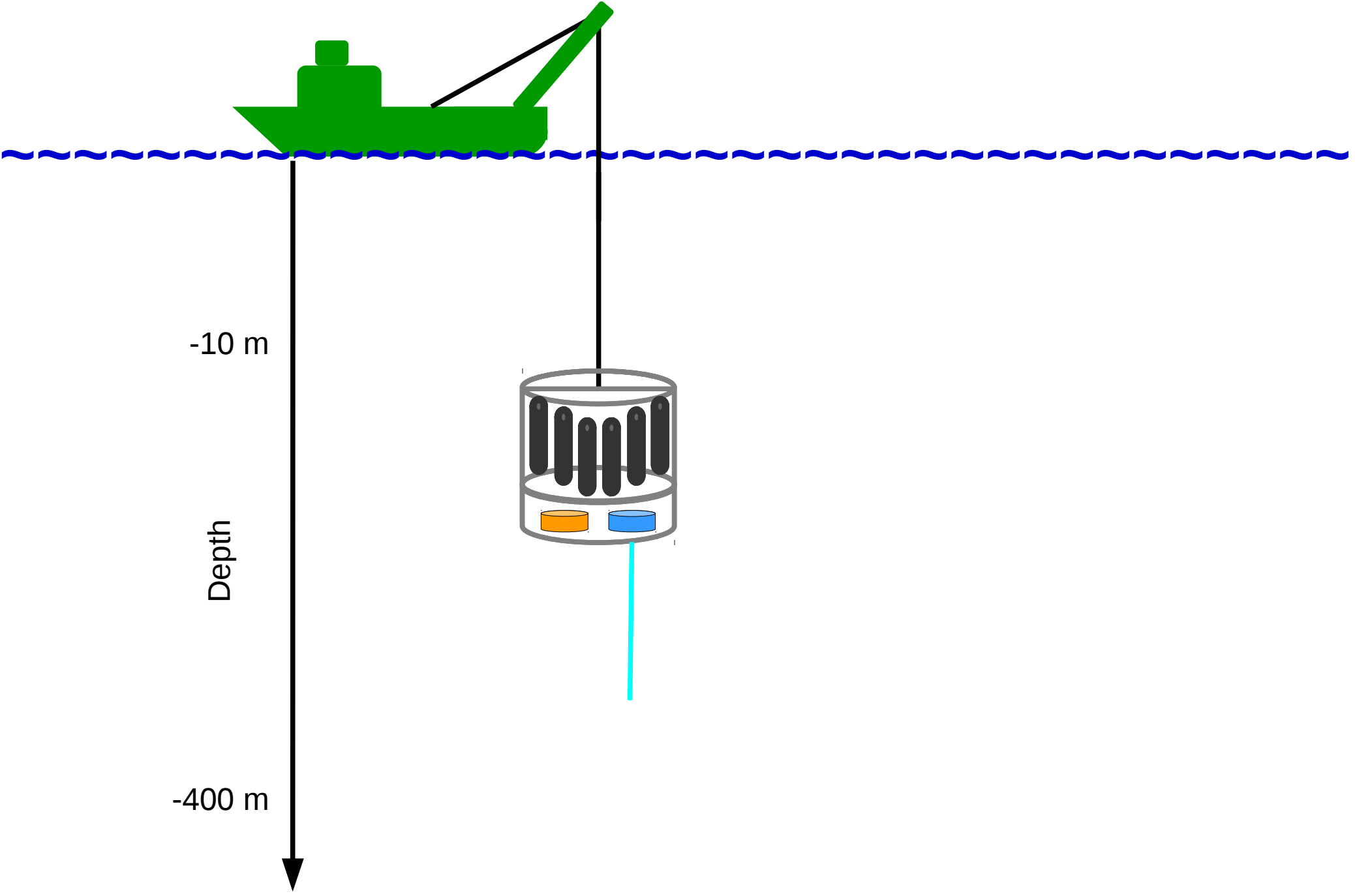


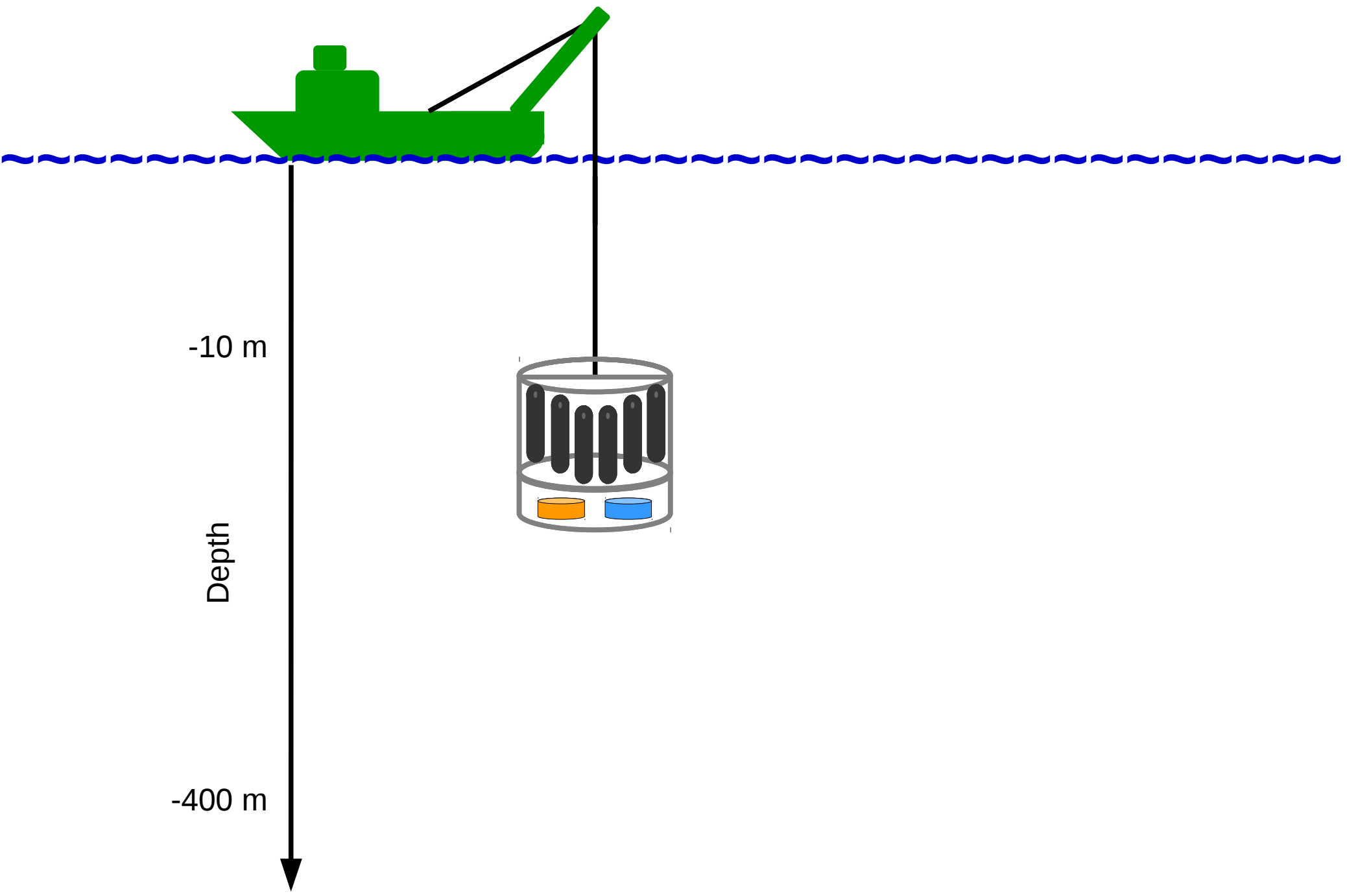


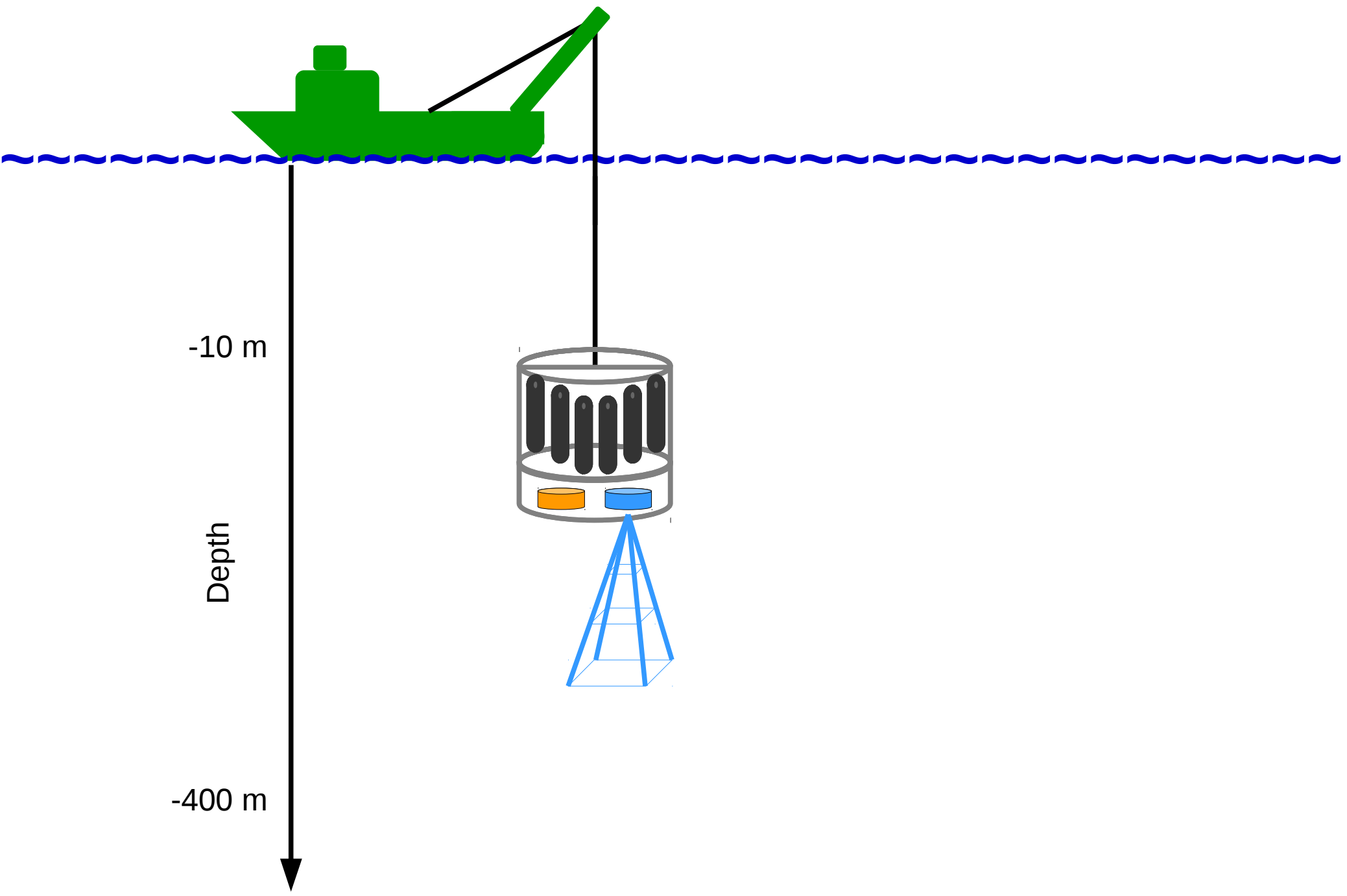


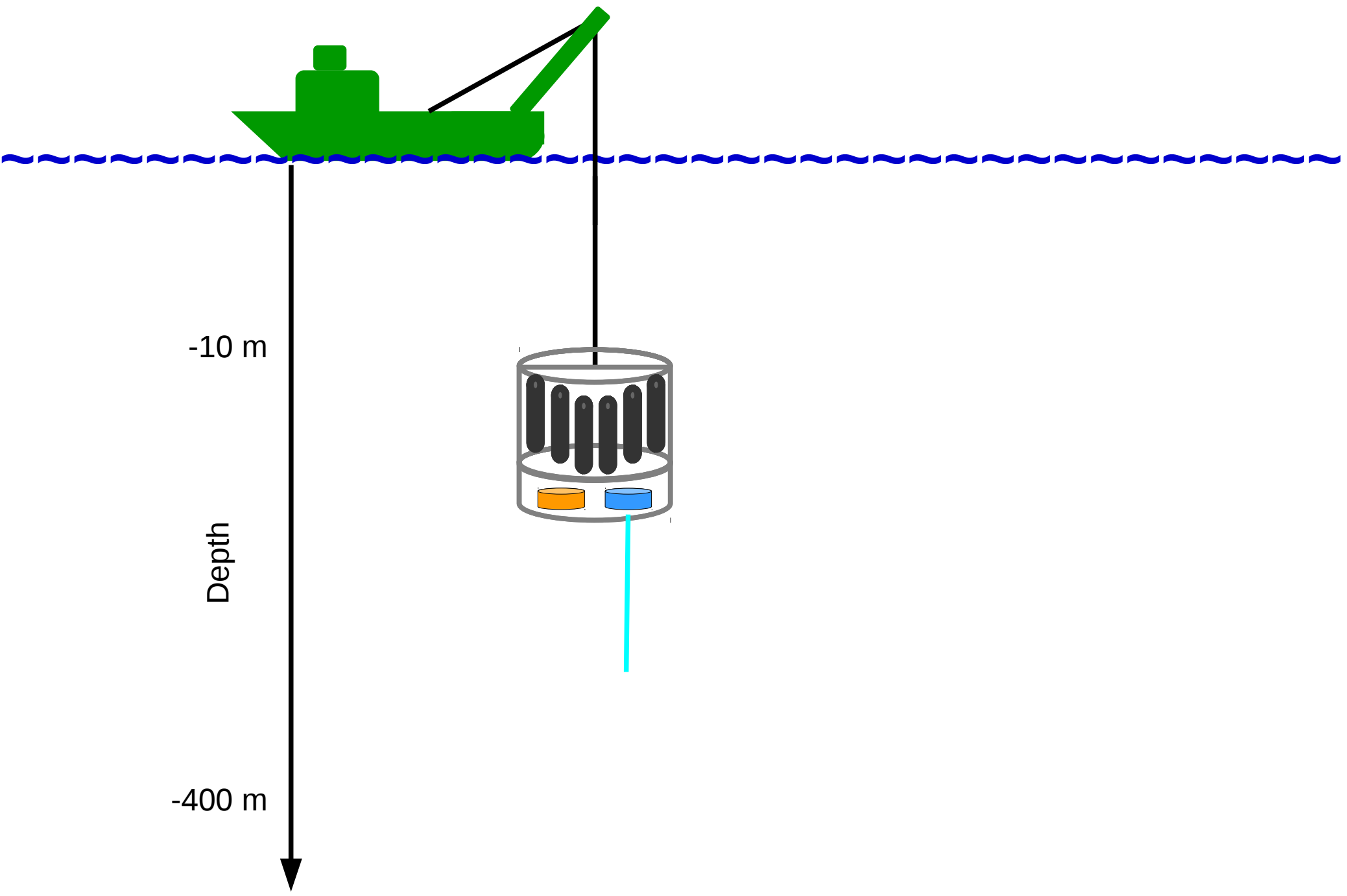


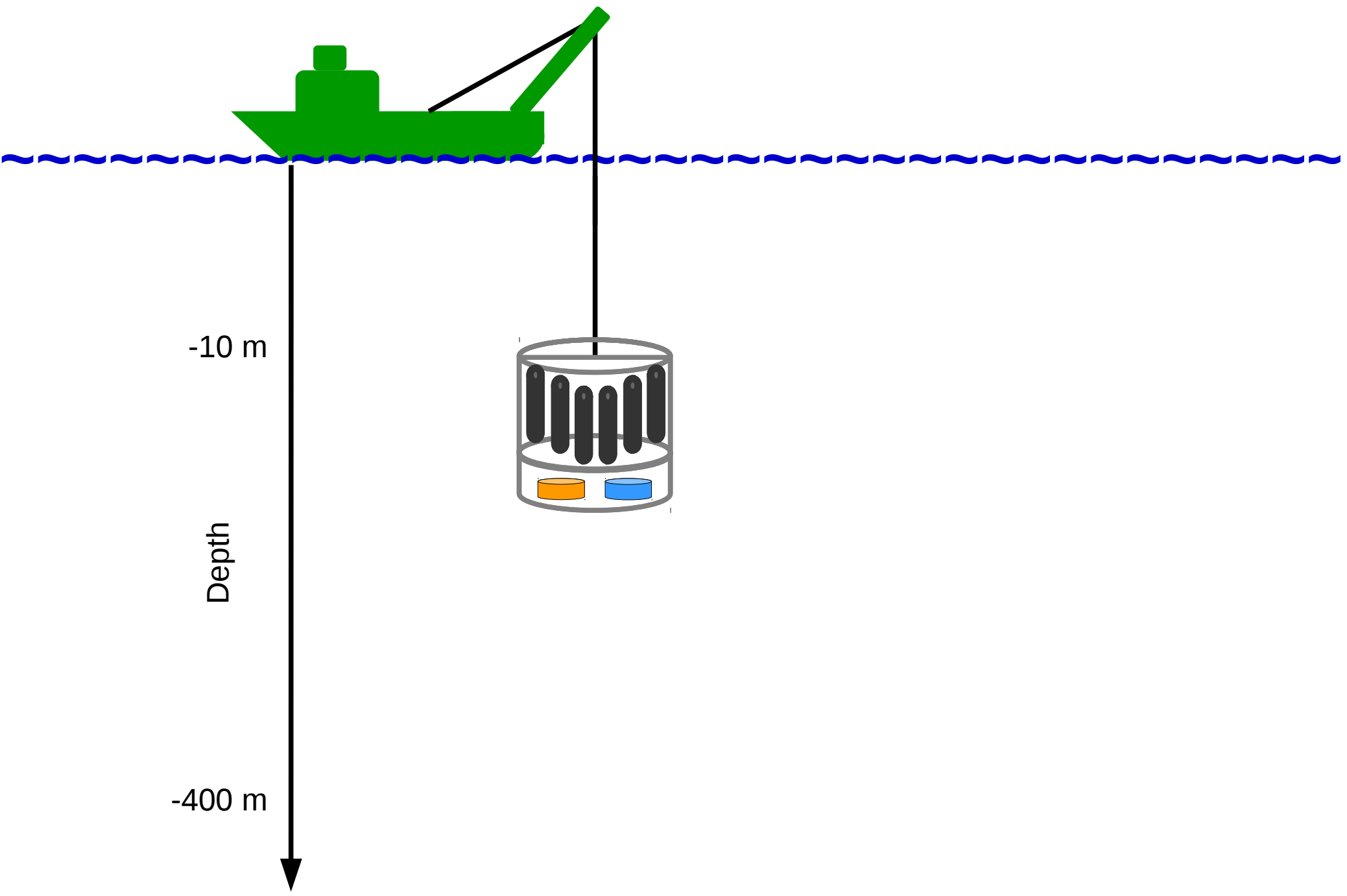


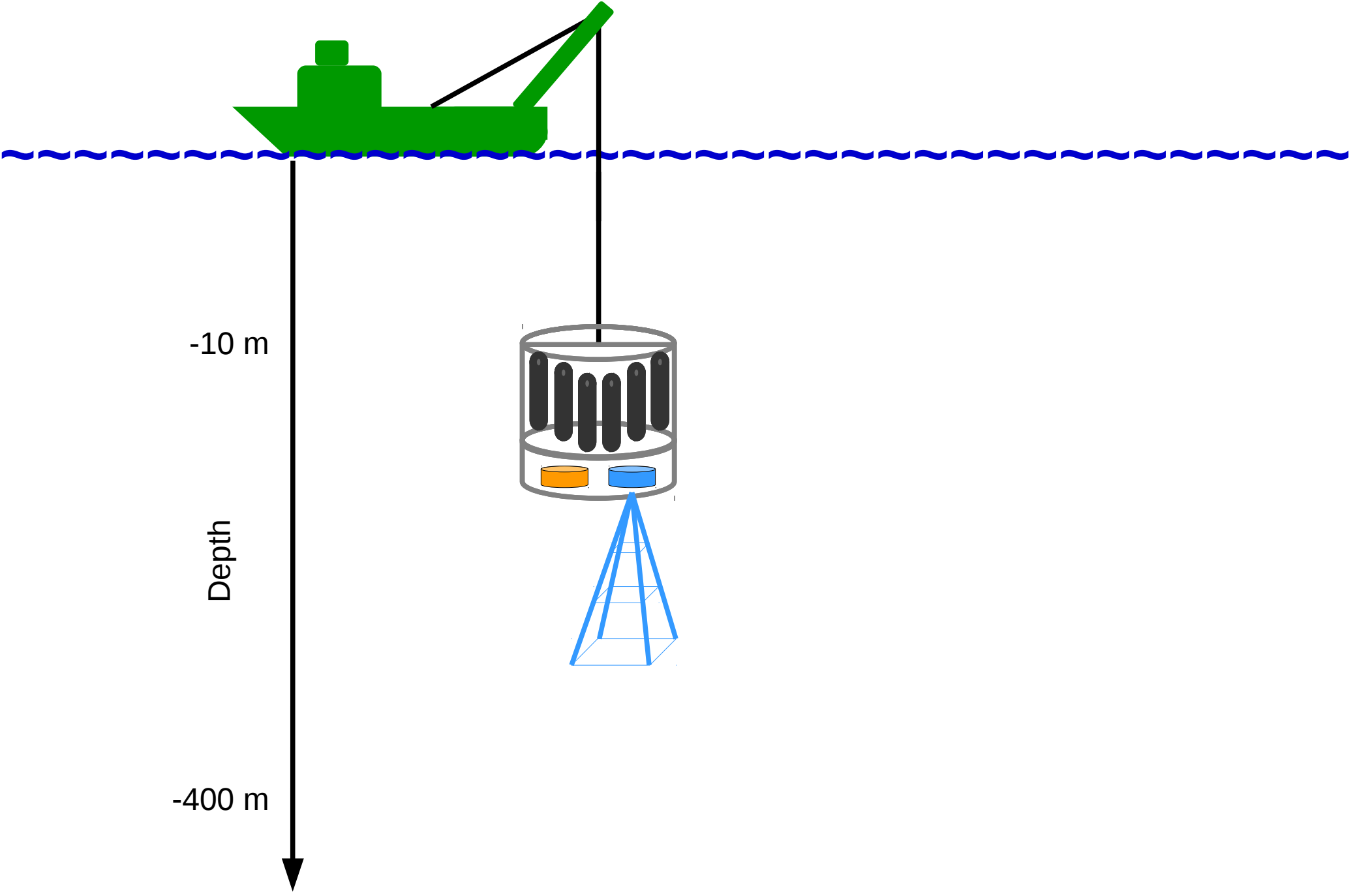


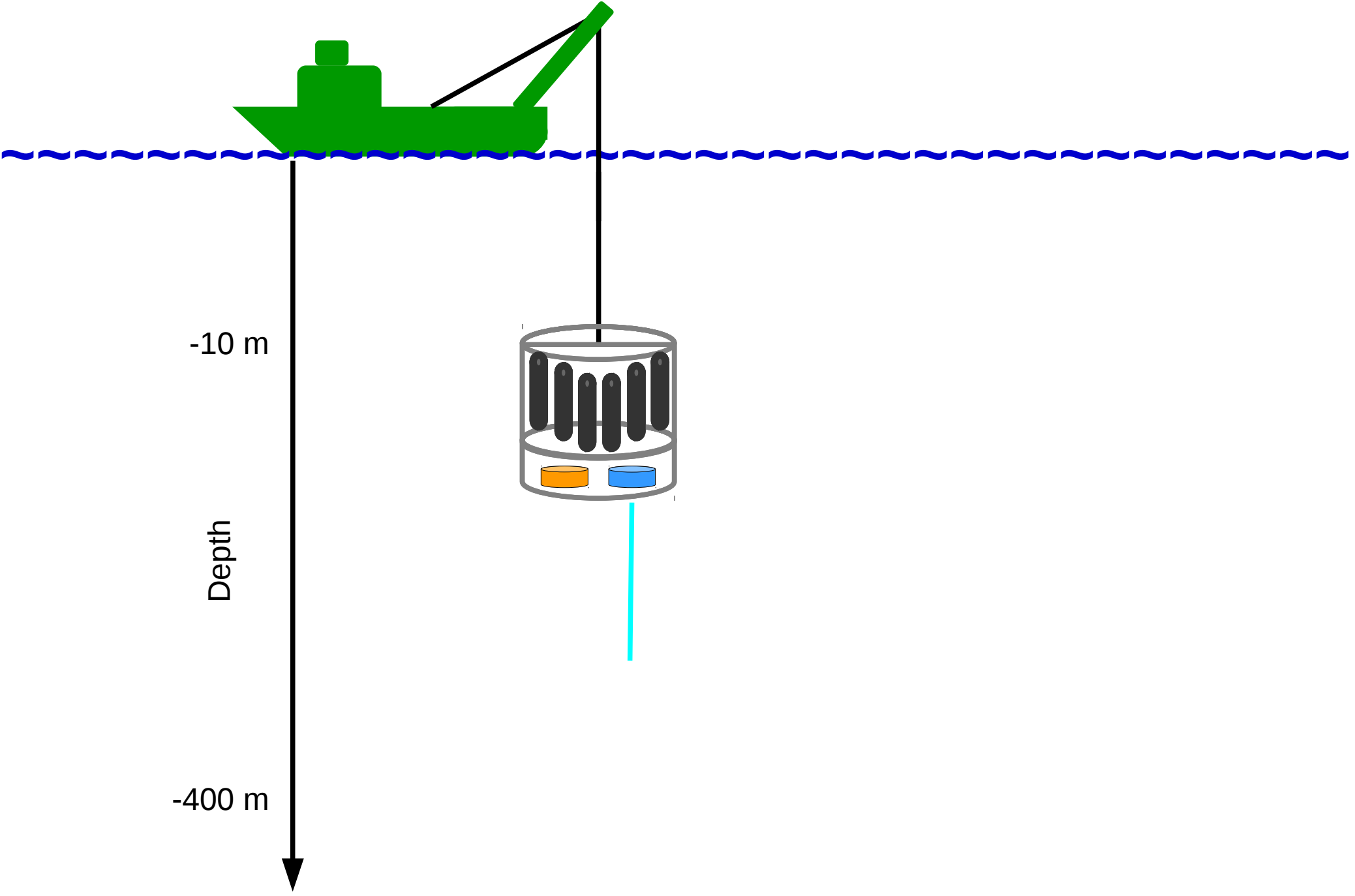


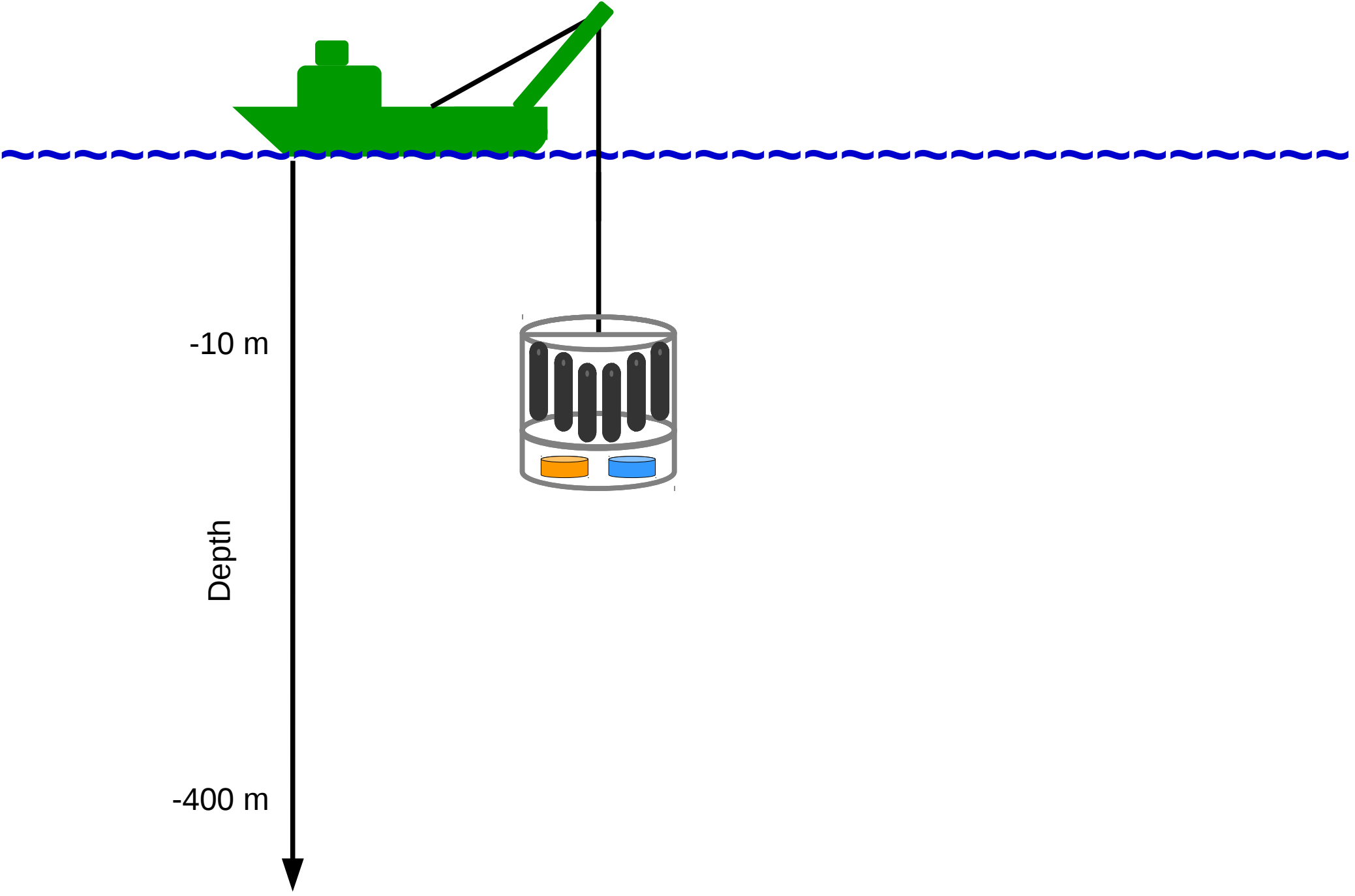


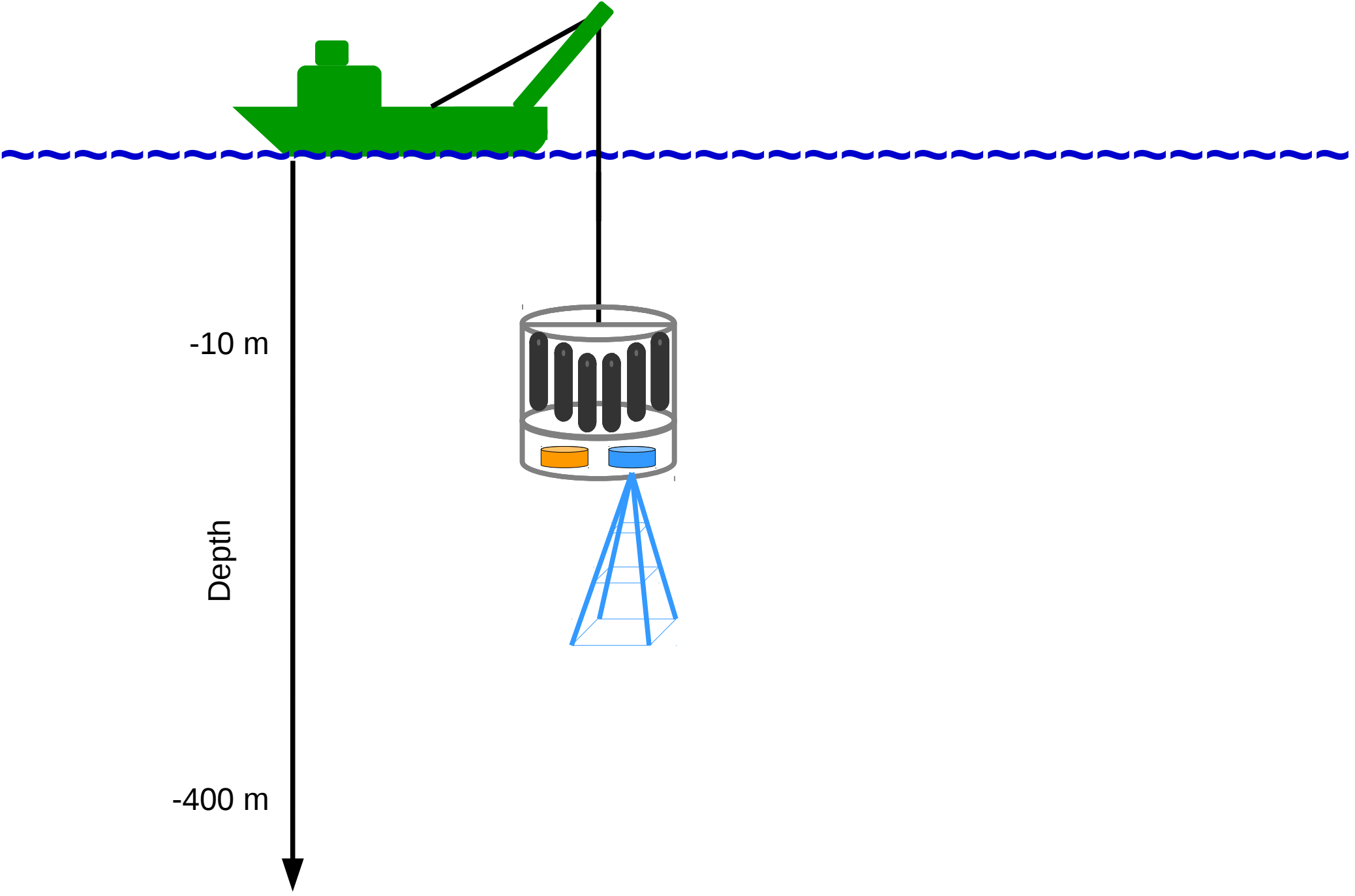


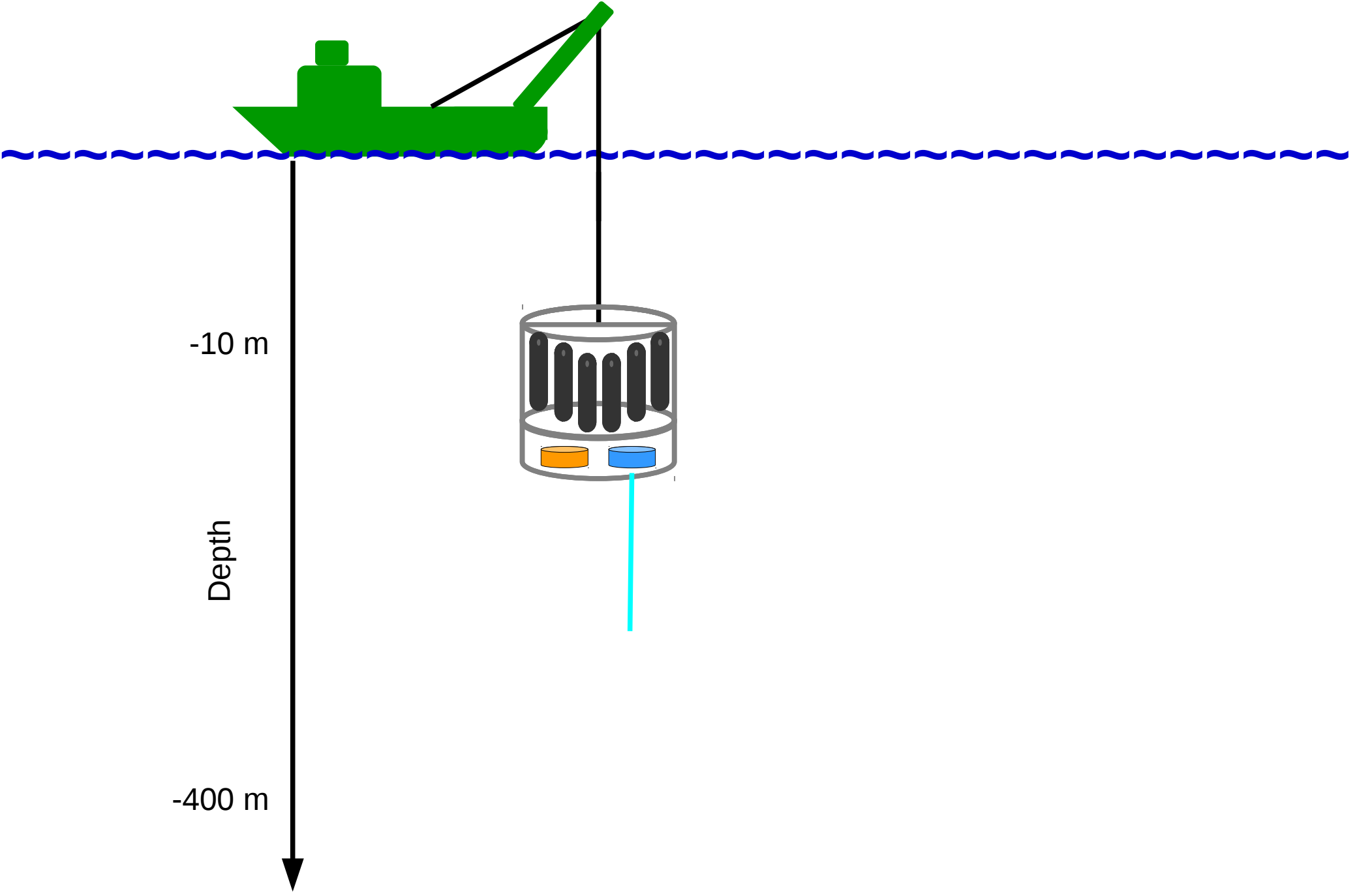


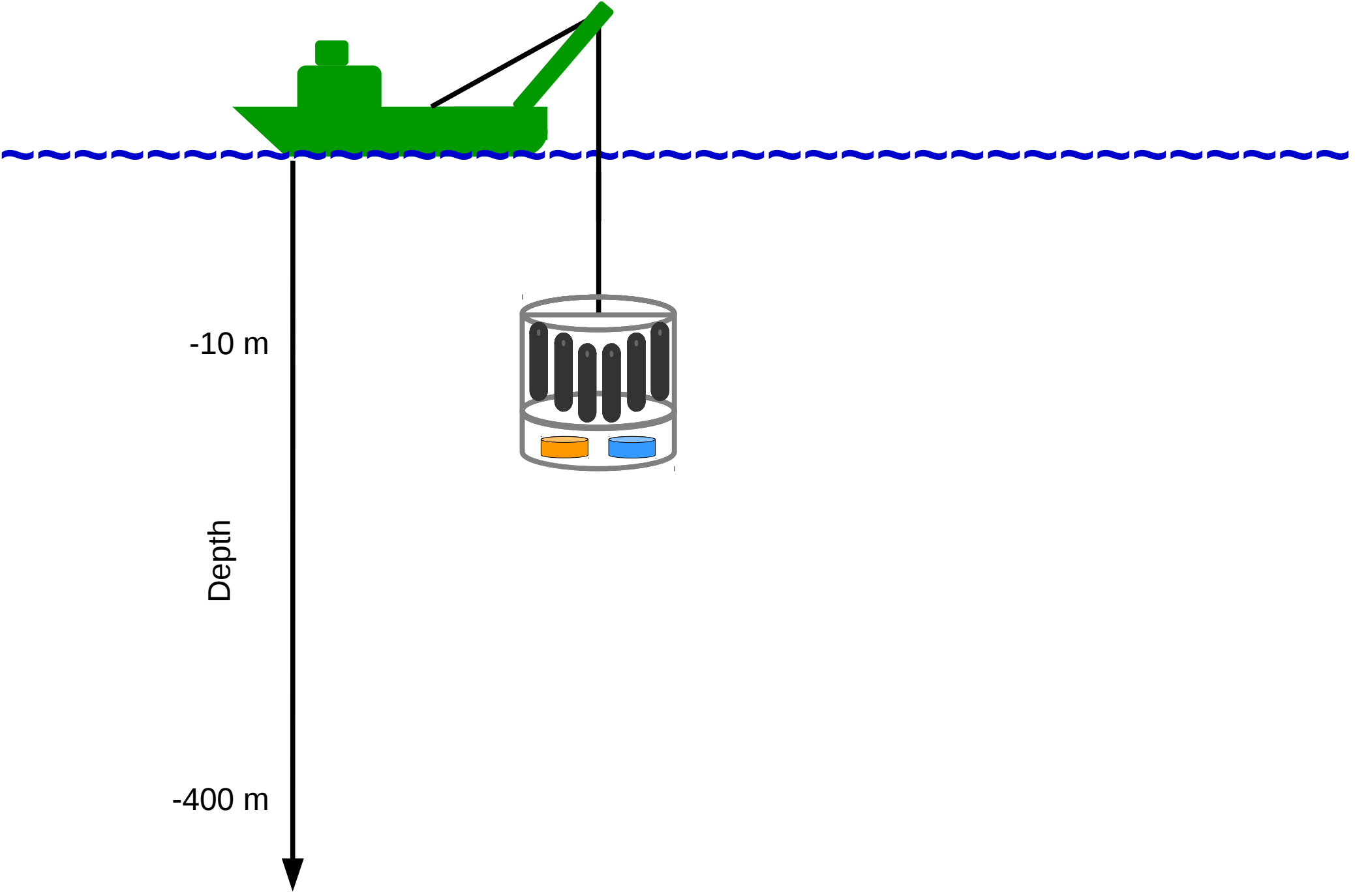


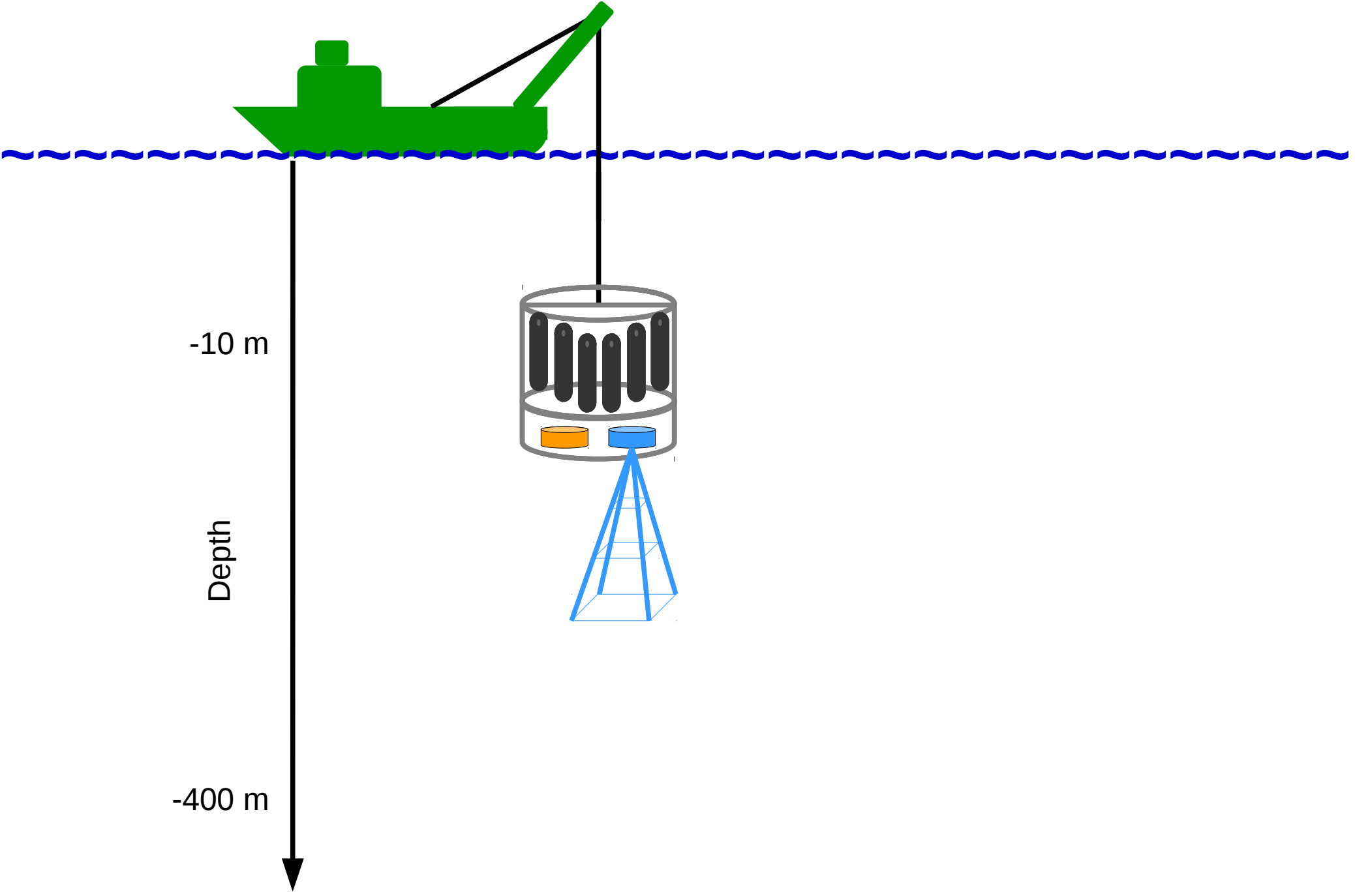


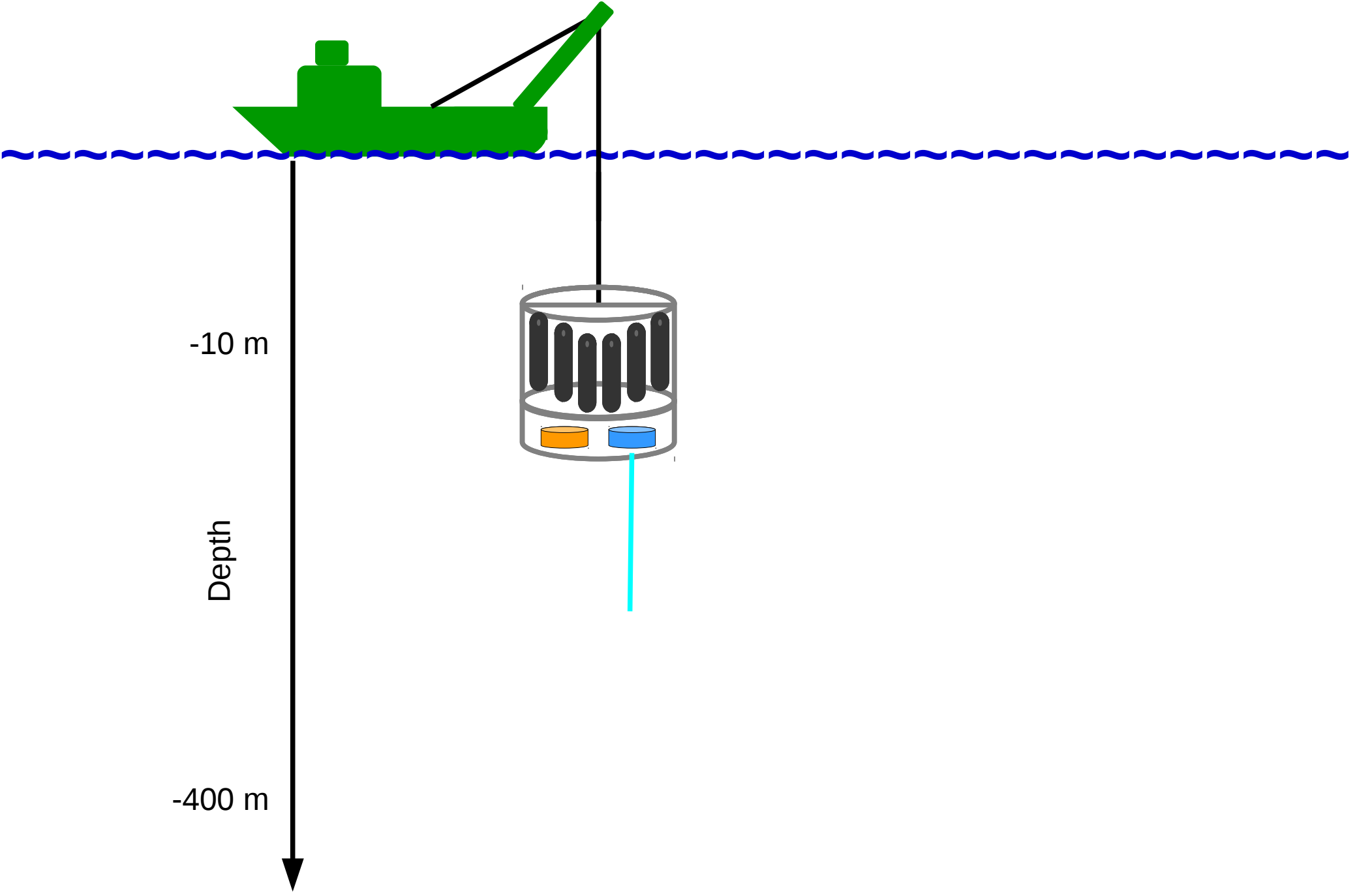


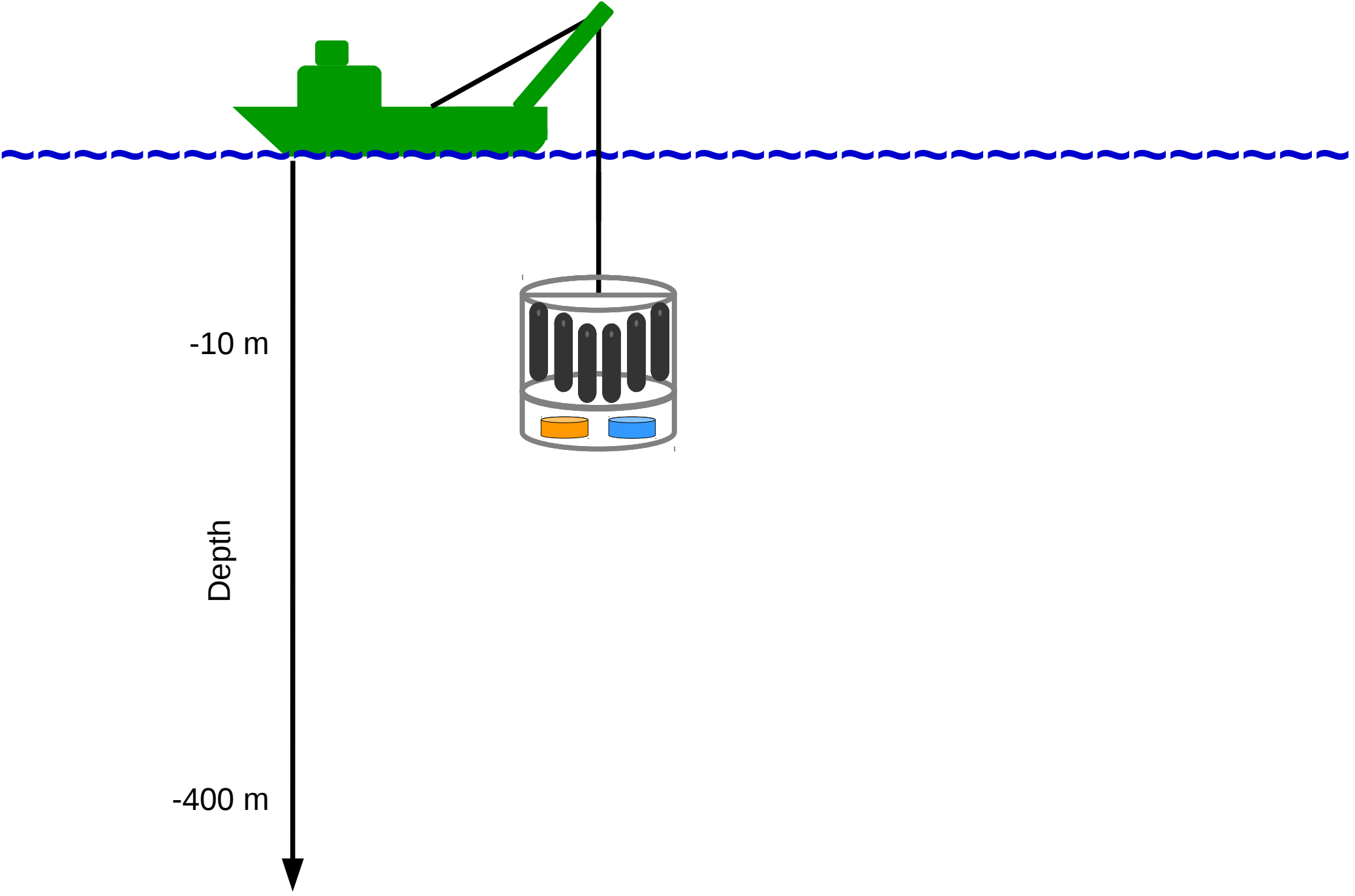


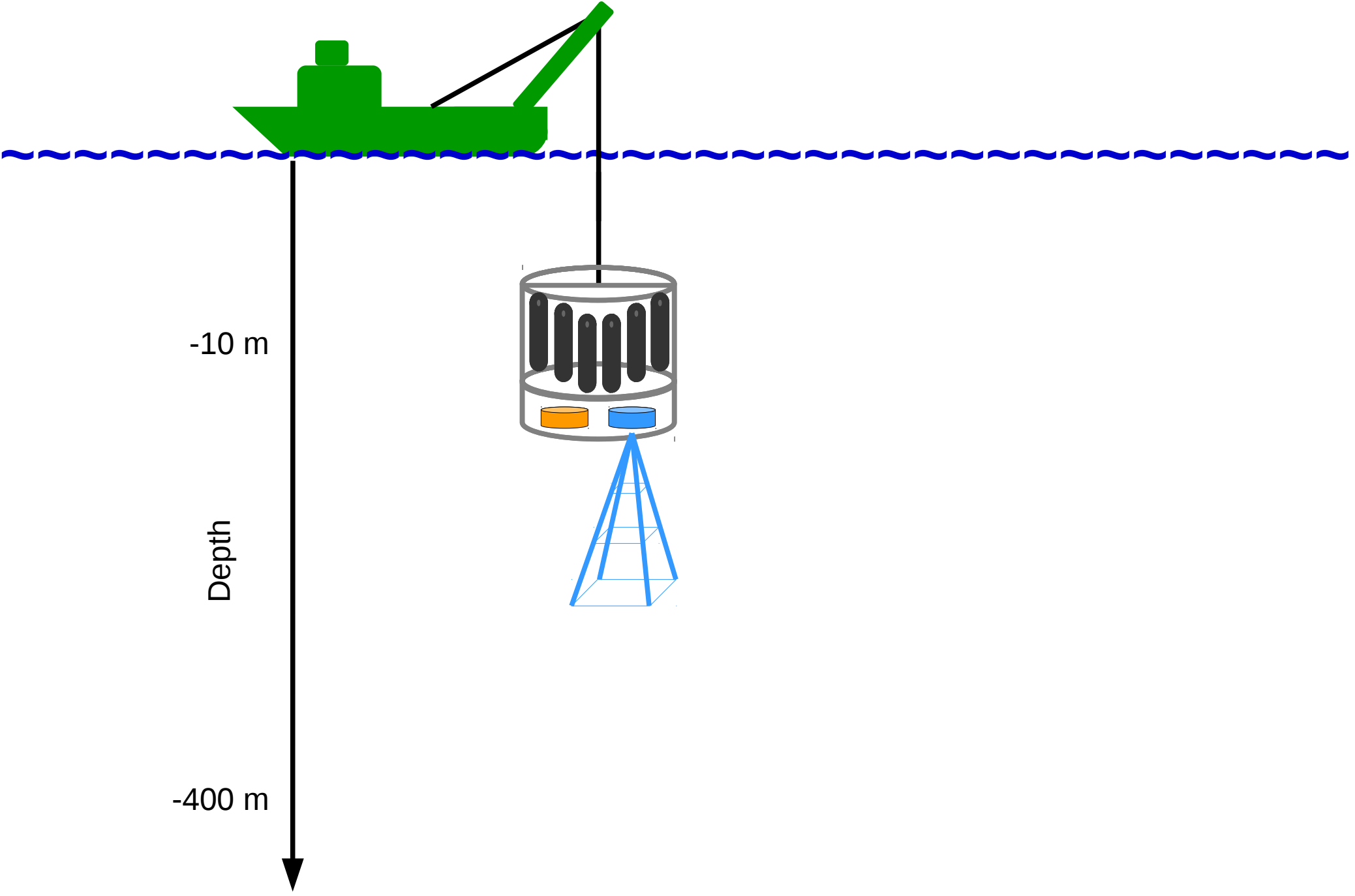


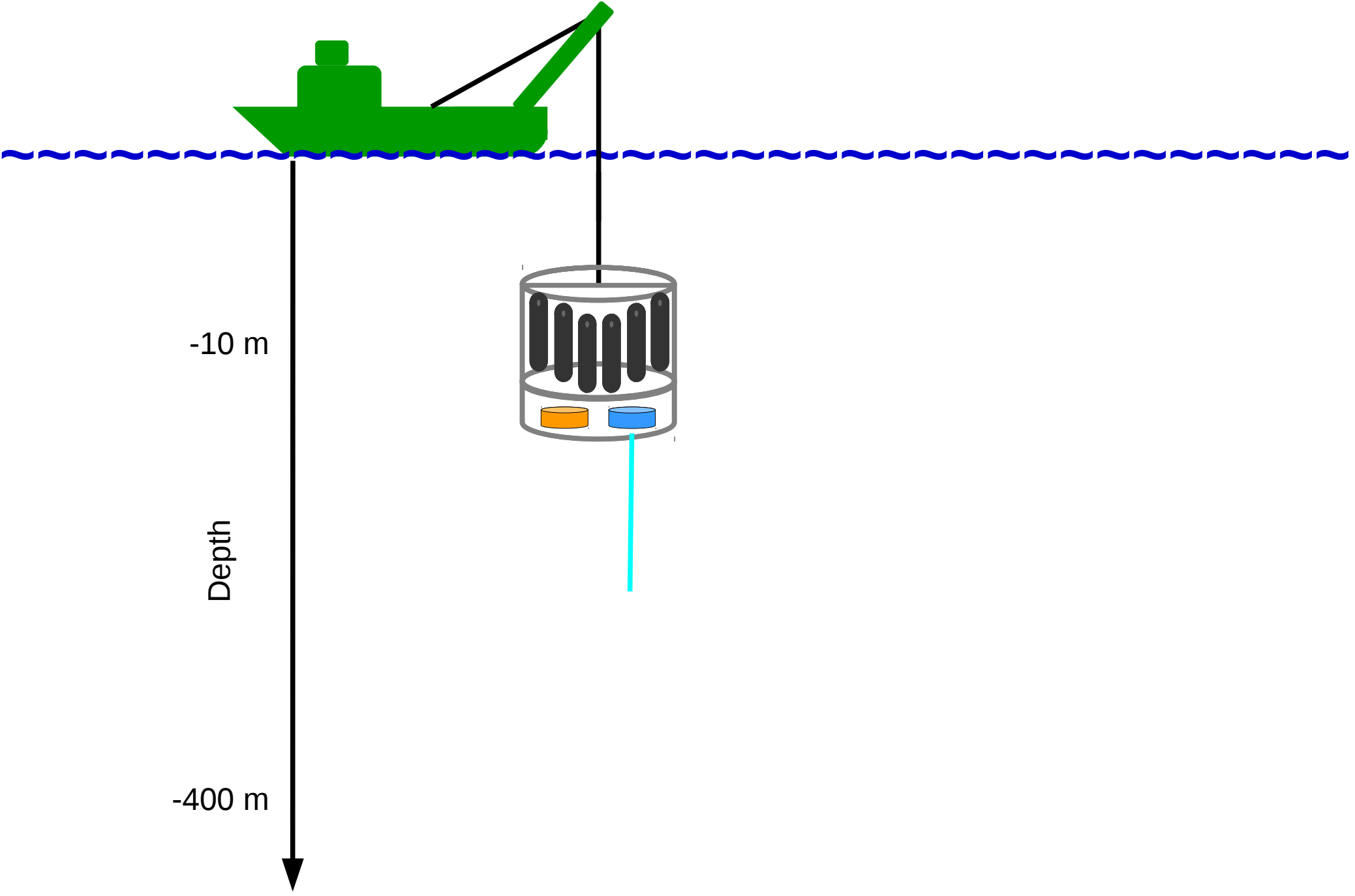


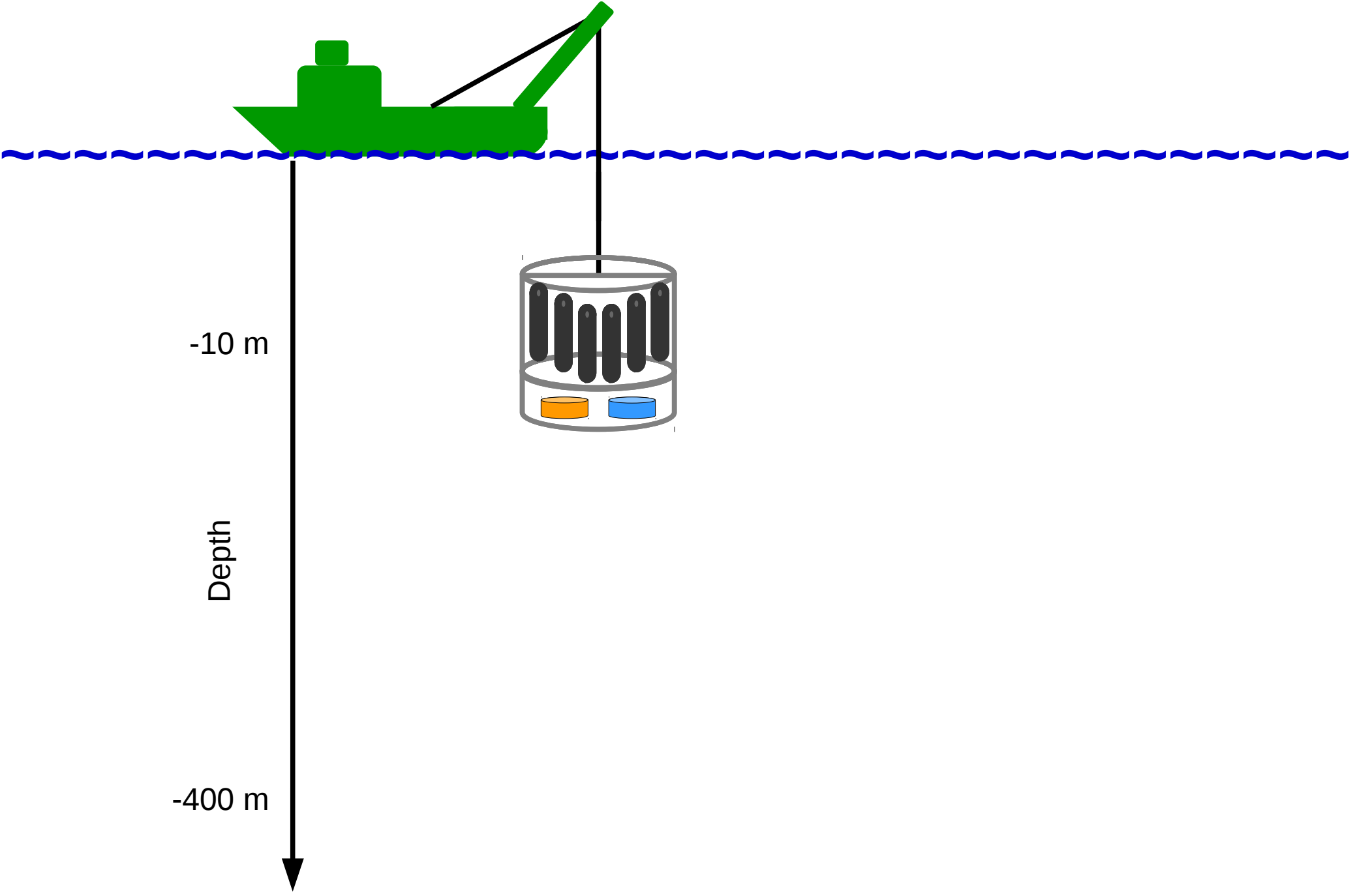


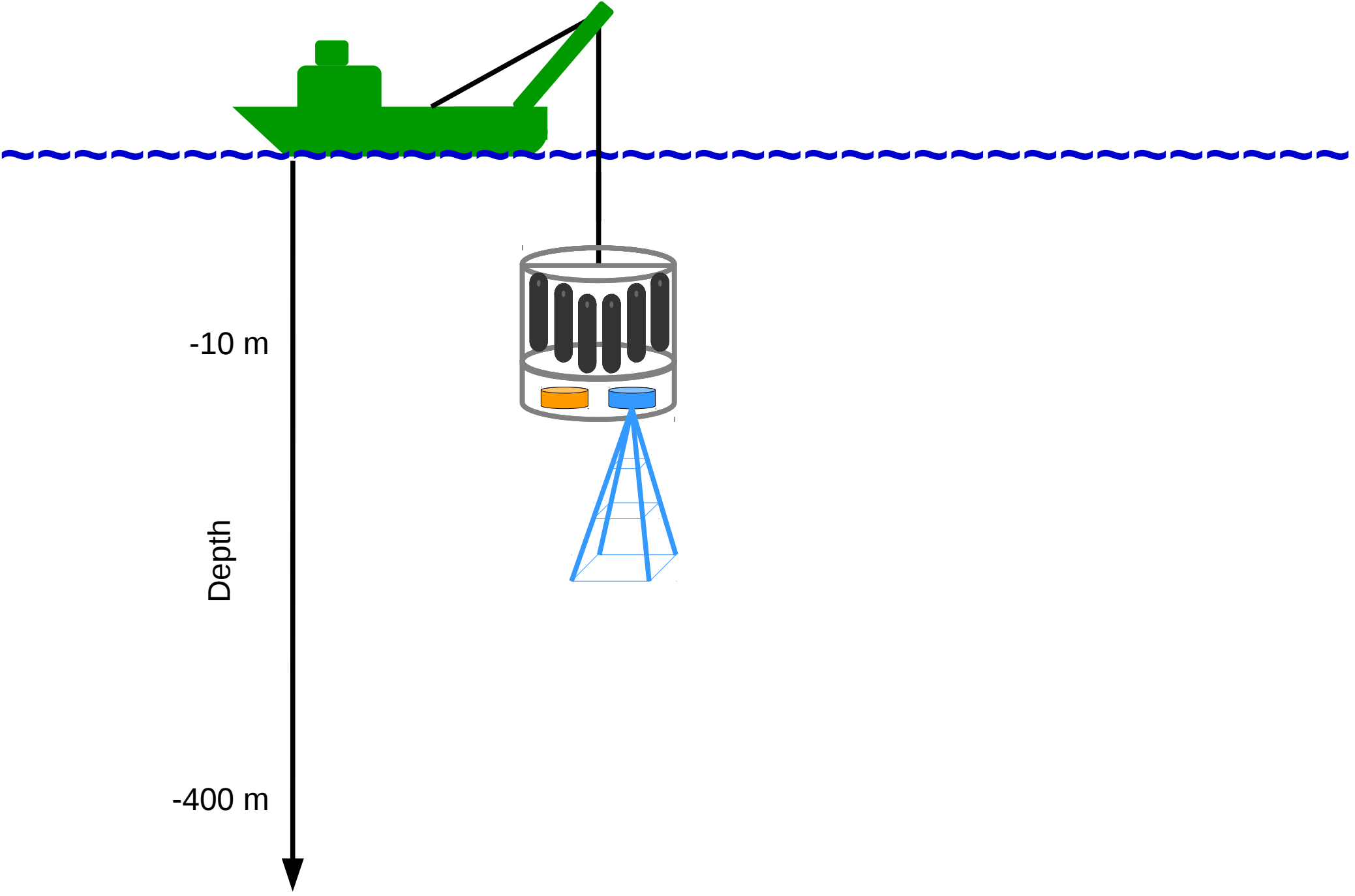


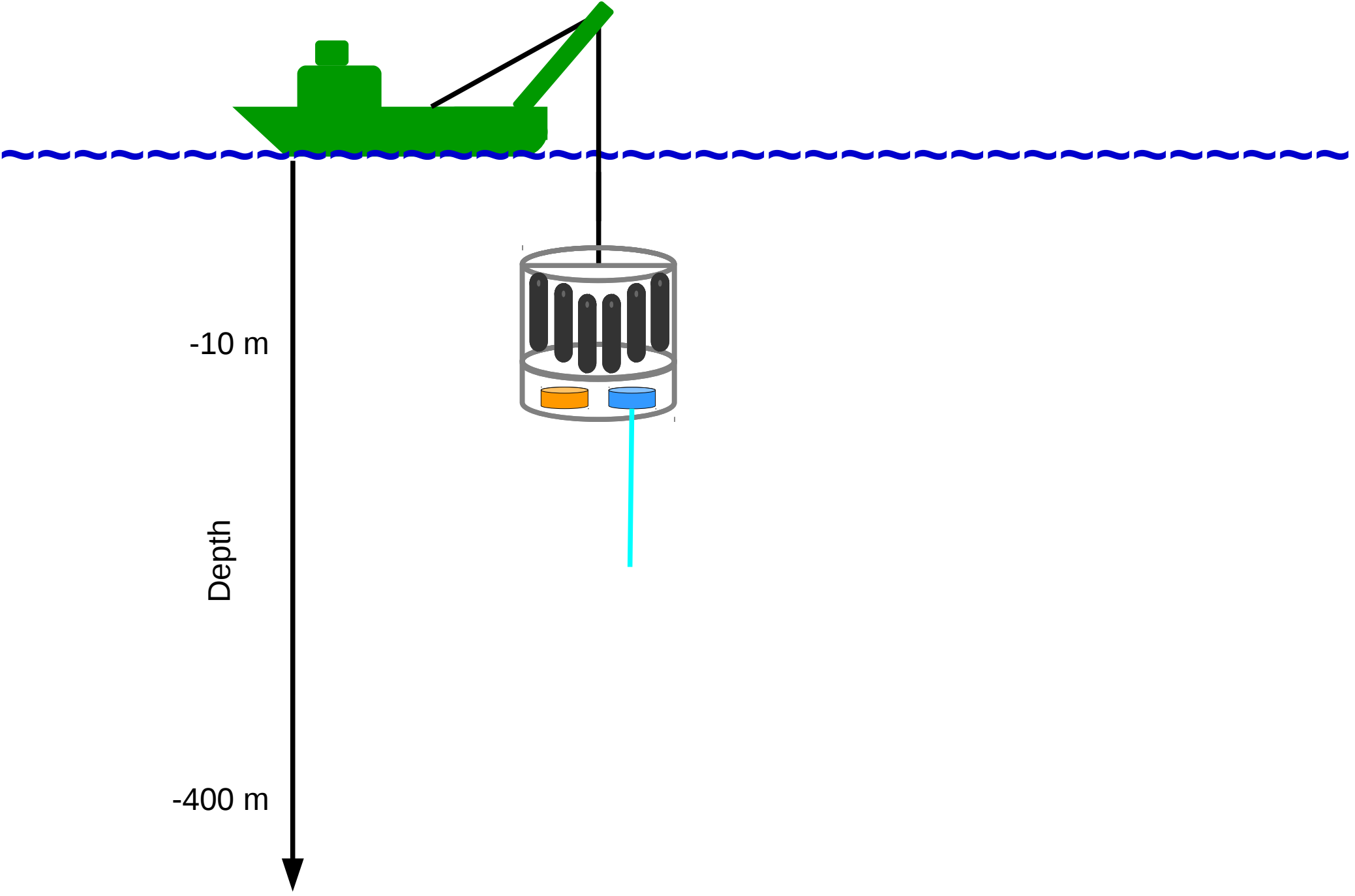


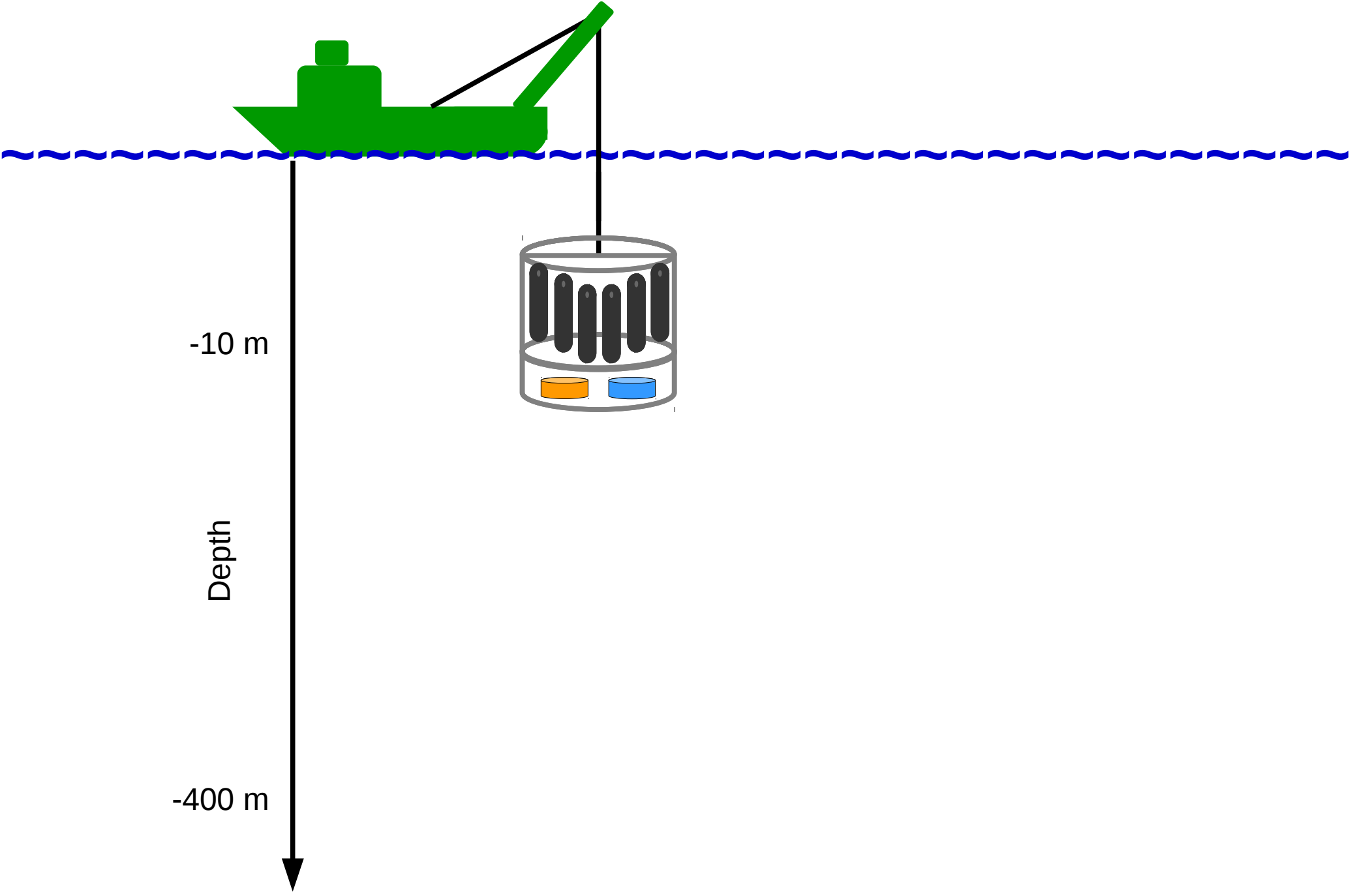


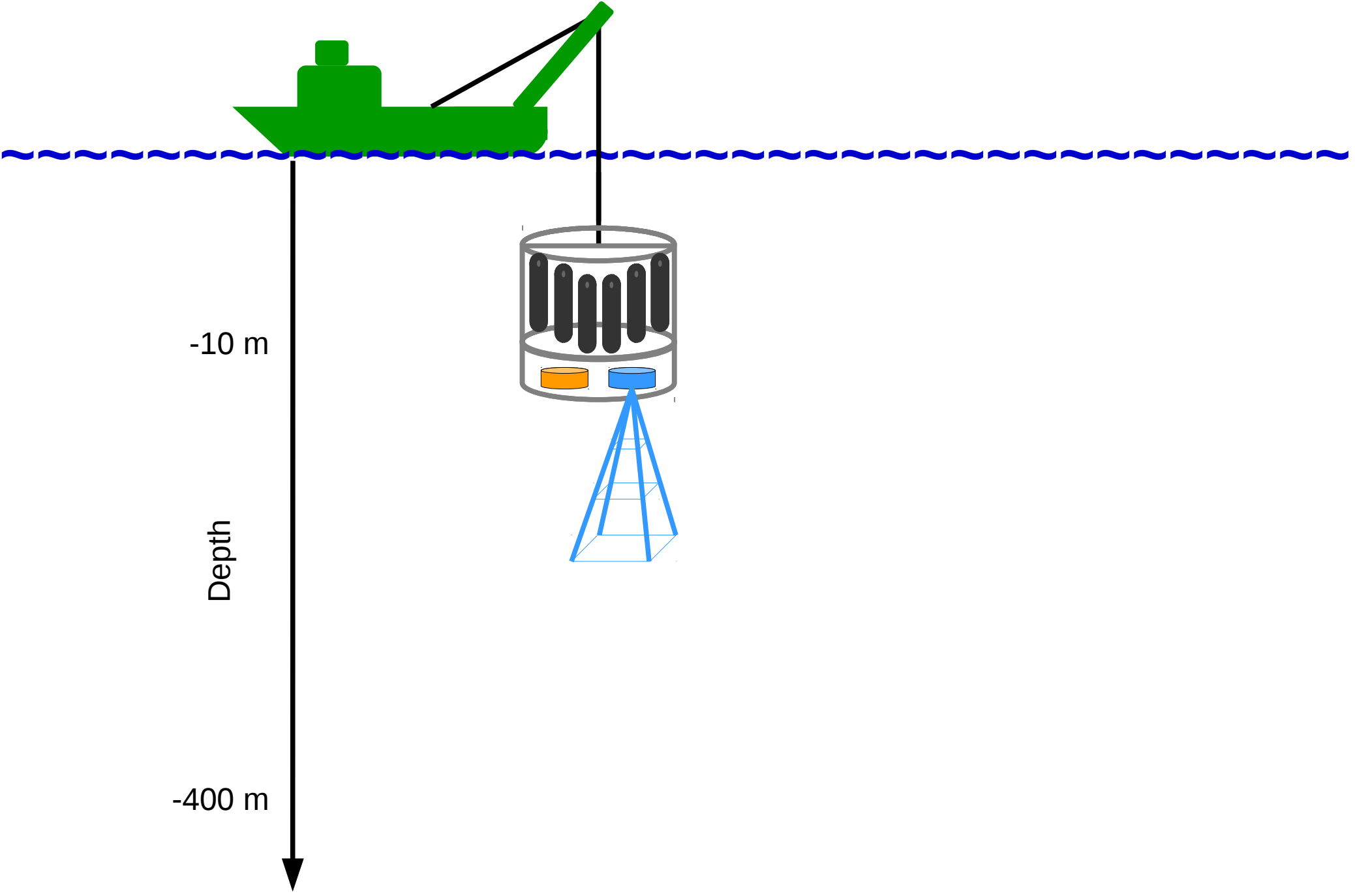


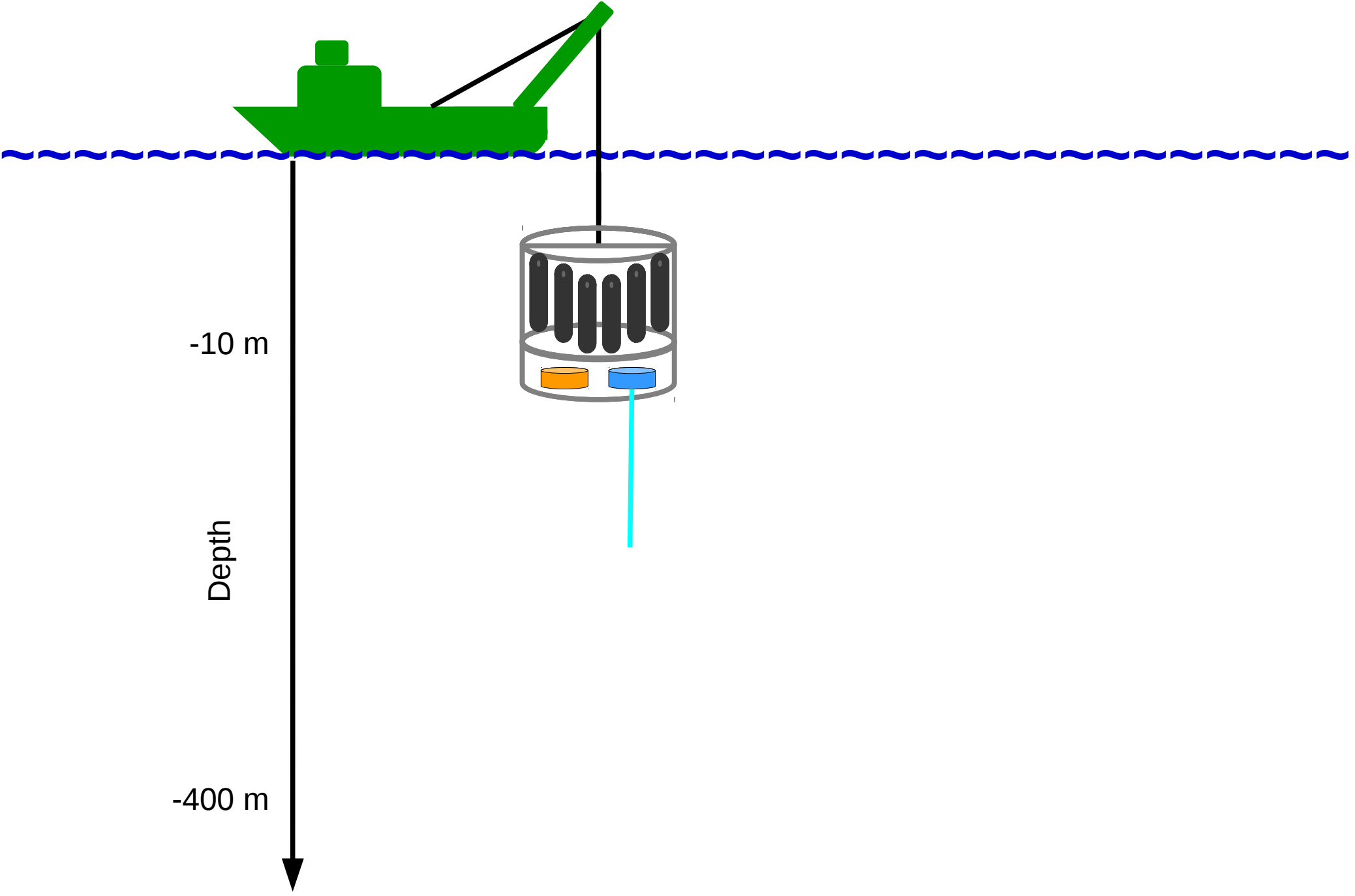


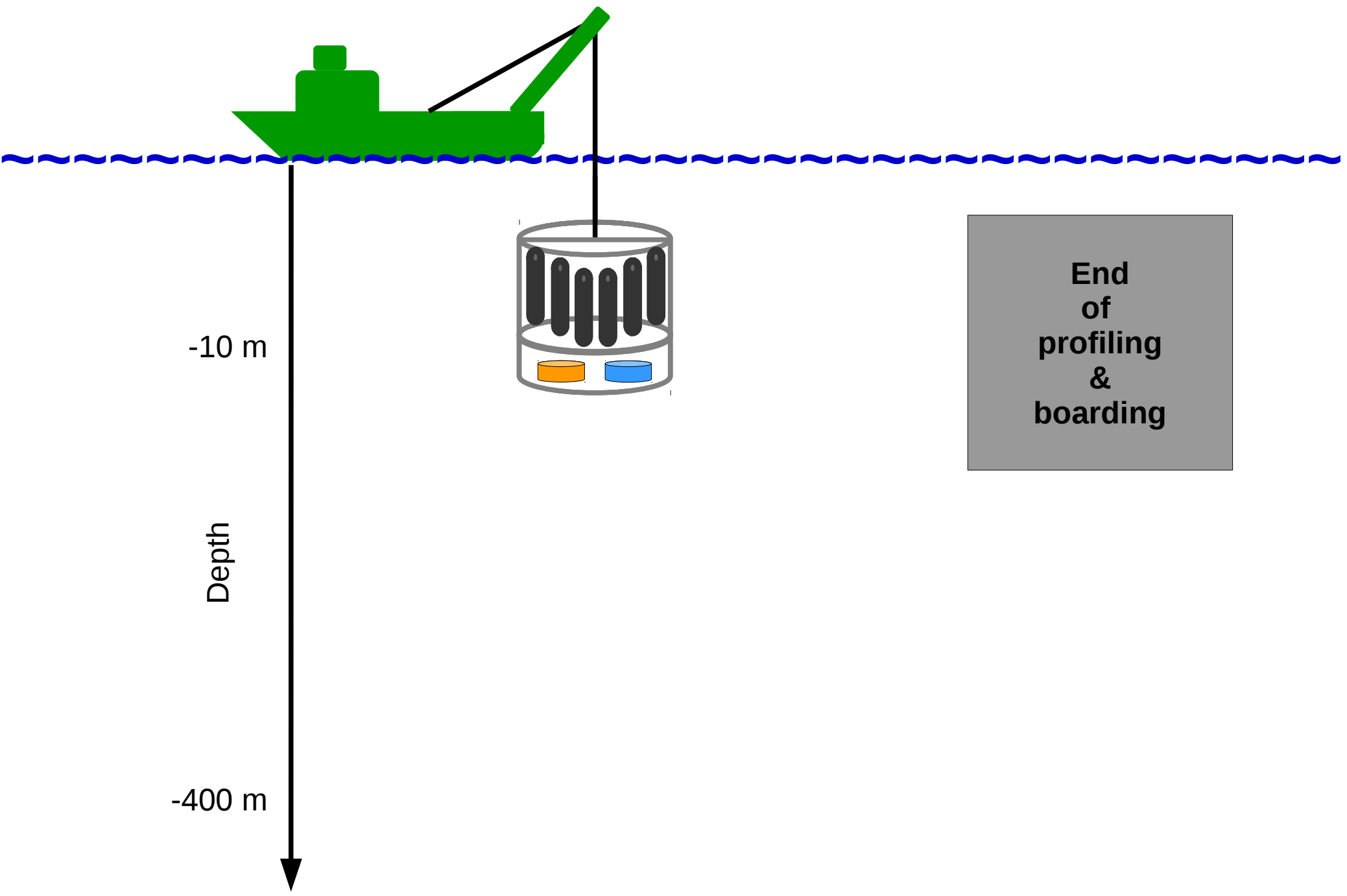




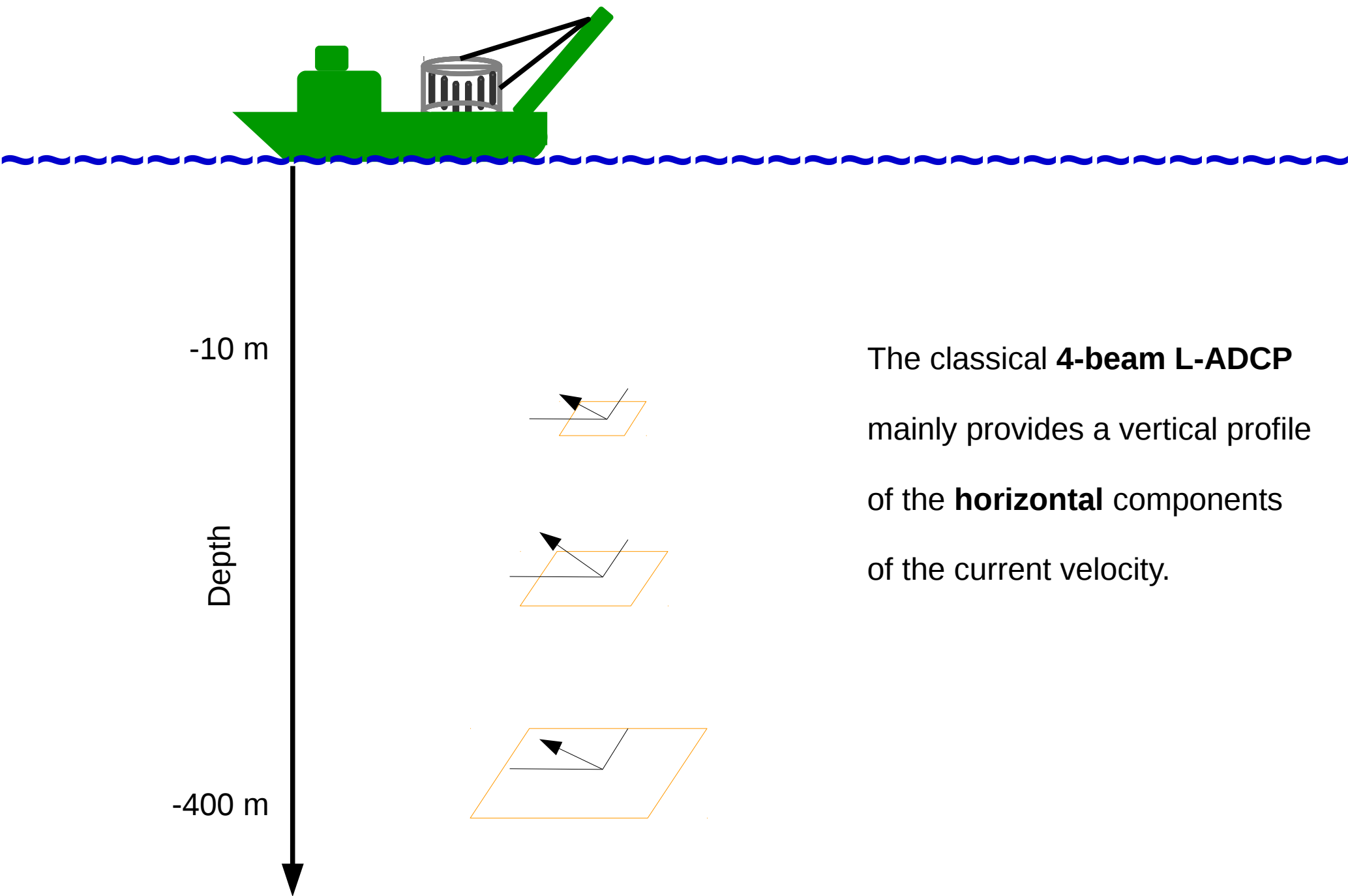




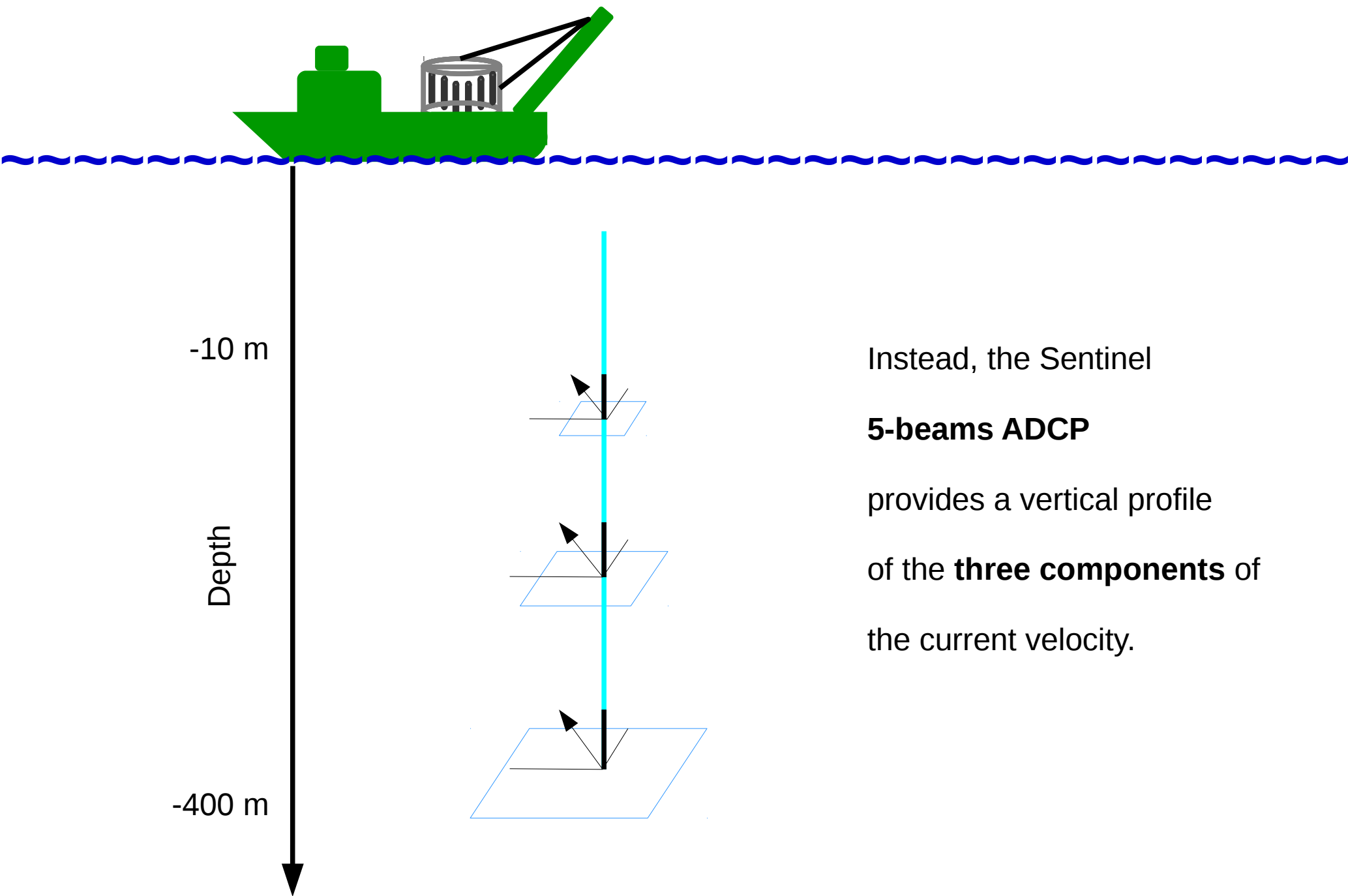




**End
of
profiling
&
boarding**



The classical **4-beam L-ADCP** mainly provides a vertical profile of the **horizontal** components of the current velocity.



Instead, the Sentinel

5-beams ADCP

provides a vertical profile
of the **three components** of
the current velocity.

This method has been applied the first time during
FUMSECK 2019, a cruise of the project **BIOSWOT**.



Cartoon designed
by
Andrea Doglioli

Animation produced
by
Gérald Grégori

Version 1.0

May 2020



andrea.doglioli@univ-amu.fr

<https://people.mio.osupytheas.fr/~doglioli>

<https://people.mio.osupytheas.fr/~doglioli/cartoons.htm>

<https://www.youtube.com/channel/UC4fNNHe-cUdrzJp50vAQD5g>