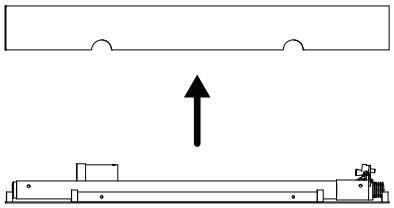
SIMB3 QUICK START GUIDE

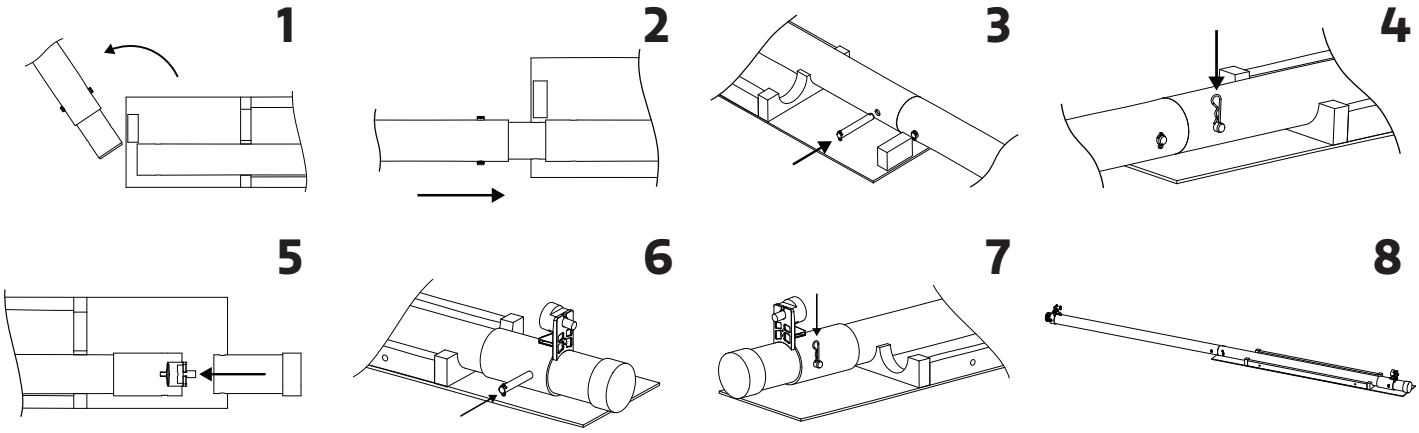
STEP 1:
Locate flat and undeformed ice away from any ridges or ponds. Remove shipping crate top and transport SIMB3 to installation site using carrying case. Position buoy as close to desired hole location as possible. Document floe conditions and any collocated instruments in the area on attached Data Sheet.

STEP 2:
Activate buoy by gently removing top cap and flipping rocker switch to "on" (see deployment manual for details). Wait for blue LED to turn off indicating a successful Iridium transmission. This should not take more than 10 minutes. Replace and firmly seat top cap.



STEP 3:
Drill thru hole in ice. Hole must be at least (25 cm) 10" diameter. Take ice, snow, and freeboard measurements.

STEP 4:
Remove straps and assemble buoy sections and ballast. Stand buoy upright and secure temperature string with tensioning device. Handle temperature string with care.



STEP 5:
With SIMB3 stood upright directly next to the ice hole, gently lift and position over ice hole. Slowly lower by letting buoy slide through hands. Pay close attention to the temperature string to ensure it is not damaged during this process. NOTE: the buoy will get progessively lighter as it is lowered.

STEP 6:
Measure distance from ice to snow rangefinder. Take pictures of installation and collocated instruments (if any). Record all on provided data sheet.

NOTES:
SIMB3 should not be installed in ice that ice > 2 m thick.

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DATA SHEET

IMEI or S/N _____ **Date Installed** _____ **UTC activated** _____

Floe Description _____

_____

_____

_____

_____

Ice Thickness _____ **Snow Rangefinder Distance** _____

Snow Thickness _____

Freeboard _____

Other Equipment Installed at Site _____

_____

Installed by (name, organization, project)

_____