

Ice-Tethered Profiler: ITP23 Overview

Deployment Location: 8/5/2008, 00:00 UTC at 81° 44.5'N, 150° 53.4'W

Last Location: 9/3/2011, 23:00 UTC at 80° 32.8' N, 107° 40.0' W

Duration: 1125 days

Distance Travelled: 6442 km

Number of profiles: 1410 in 702 days

Other instruments: AOFB 17

ITP 23 was deployed on a 1.9 m thick ice floe in the Beaufort Sea as part of the [Beaufort Gyre Observing System \(BGOS\)](#) during the JOIS 2008 cruise on the CCGS Louis S. St. Laurent. On the same icefloe, a [Naval Postgraduate School Arctic Ocean Flux Buoy](#) (AOFB 17) was also installed. The ITP included a dissolved oxygen sensor and operated on a standard sampling schedule of 2 one-way profiles between 7 and 760 m depth each day.

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Surface package and supplemental flotation of ITP 23 after deployment near 82° N in the Beaufort Gyre. (Photo by Rick Krishfield)