

## Ice-Tethered Profiler: ITP22 Overview

Deployment Location: 8/6/2008, 17:00 UTC at 82° 0.5'N, 140° 3.2'W

Last Location: 9/3/2010, 23:00 UTC at 72° 37.6' N, 146° 19.7' W

Duration: 758 days

Distance Travelled: 3968 km

Number of profiles: 14 in 7 days

Other instruments: SIMBA-C

ITP22 was deployed on a 3.5 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 [Scottish Association for Marine Science \(SAMS\)](#) Ice Mass Balance Array (SIMBA C) was also installed. The ITP operated on a standard sampling schedule of 2 one-way profiles between 7 and 760 m depth each day, but only 13 profiles were transferred in a single burst over a month after the profiler was installed.

*Last updated: October 23, 2014*

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At 82° N, ITP 22 was the northernmost ITP deployed in the Beaufort Gyre during JOIS 2008. In the distance, the *Louis* is barely visible through the fog. (Photo by Rick Krishfield)