

## Ice-Tethered Profiler: ITP 20 Overview

Deployment Location: 8/8/2008, 21:00 UTC at 77° 59.2'N, 139° 56.1'W

Last Location: 2/18/2009, 23:00 UTC at 74° 19.7' N, 143° 20.1' W

Duration: 194 days

Distance Travelled: 2230 km

Number of profiles: none

Other instruments: AOFB 16, IMB 29557, SIMBA B

ITP20 was deployed on a 3.4 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 B), a [Naval Postgraduate School Arctic Ocean Flux Buoy](#) (AOFB 16), and a [US Army Cold Regions Research and Engineering Laboratory \(CRREL\) Ice Mass Balance Buoy](#) (IMB 29557) were also installed. The ITP included a prototype bio-optical sensor package (PAR, turbidity, fluorescence and CDOM) with dissolved oxygen and was on a delayed pattern sampling schedule that did not begin before the surface package ceased communicating only 6 months after deployment.



[Enlarge Image](#)

ITP 20 as deployed in early August 2008 before the deployment winch was removed. (Photo by Rick Krishfield)

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