

## Ice-Tethered Profiler: ITP19 Overview

Deployment Location: 4/7/2008, 16:00 UTC at 88° 27.1'N, 16° 57.7'E

Last Location: 11/22/2008, 23:00 UTC at 78°2.4' N, 2° 33.4' W

Duration: 230 days

Distance Travelled: 2406 km

Number of profiles: 912 in 228 days

Other instruments: IMB, AOFB15, Weatherex & webcam

ITP 19 was deployed on a 1.9 m thick icefloe in the Transpolar Drift as part of the [North Pole Environmental Observatory \(NPEO\)](#). On the same icefloe, a [Naval Postgraduate School Arctic Ocean Flux Buoy](#), a [US Army Cold Regions Research and Engineering Laboratory \(CRREL\) Ice Mass Balance Buoy](#) and [NOAA/PMEL Weatherex station](#) with webcam were deployed. The ITP operated on a fast sampling schedule of 4 one-way profiles between 7 and 760 m depth each day, started in the Basin, stalled at 83° N, and reached Fram Strait only 7 months after deployment.

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Mail: Woods Hole Oceanographic Institution, 266 Woods Hole Road, Woods Hole, MA 02543, USA.

E-Contact: [info@whoi.edu](mailto:info@whoi.edu); press relations: [media@whoi.edu](mailto:media@whoi.edu), tel. (508) 457-2000

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Less than 100 miles from the North Pole, ITP 19 was installed with IMB, AOFB, and Weatherex buoys several hundred meters away from the Russian ice camp *Barneo* in the distance. (Photo by Kris Newhall)