

Ice-Tethered Profiler: ITP 14 Overview

Deployment Location: 9/13/2007, 8:00 UTC at 89° 0.9'N, 104° 35.7'E

Last Location: 11/9/2008, 23:00 UTC at 66° 27.9' N, 22° 52.4' W

Duration: 423 days

Distance Travelled: 4939 km

Number of profiles: 166 in 53 days

Other instruments: none

ITP14 was deployed on a 3.0 m thick icefloe from the Russian icebreaker "Akademik Federov" as part of the European Union [DAMOCLES](#) Program. The ITP operated on a rapid sampling schedule of 3 one-way profiles between 7 and 760 m depth each day for nearly two months, when the profiler stopped communicating with the surface package for unknown reason. The surface package continued to transmit locations for another year while it drifted through Fram Strait until it grounded in northwest Iceland.

Last updated: October 23, 2014



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ITP 14 profiler suspended from the deployment tripod apparatus and on the mooring tether just prior to being lowered through the deployment hole in the ice. In the background, Brian Hogue tests the profiler-to-surface package inductive modem network to ensure functionality before the instrument is committed to the ocean. (John Kemp)

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