Print

Ice-Tethered Profiler: Publications

Journal Publications

Timmermans, M.-L., A. Proshutinsky, R. A. Krishfield, D. K. Perovich, J. A. Richter-Menge, T. P. Stanton, and J. M. Toole, 2011. Surface freshening in the Arctic Ocean's Eurasian Basin: An apparent consequence of recent change in the wind-driven circulation. Journal of Geophysical Research, 116, C00D03, doi:10.1029/2011JC006975.

Toole, J.M., R.A. Krishfield, M.-L. Timmermans, and A. Proshutinsky. 2011. The Ice-Tethered Profiler: Argo of the Arctic. Oceanography 24(3):126-135, http://dx.doi.org/10.5670/oceanog.2011.64.

Thwaites, F. T., R. Krishfield, M-L. Timmermans, J. M. Toole, and A. J. Williams 3rd, 2011. Flux Measurements from an Ice-Tethered Profiler: First Look, Proceedings Oceans 2011 IEEE-Santander Spain, 6-9 June 2011, IEEE/OES

Timmermans, M.-L., R. Krishfield, S. Laney, J. Toole, 2010. Ice-Tethered Profiler Measurements of Dissolved Oxygen under Permanent Ice Cover in the Arctic Ocean, Journal of Atmospheric and Oceanic Technology, 27, 1936-1949, doi: 10.1175/2010JTECH0772.1

Williams, A.J., F.T. Thwaites, A.T. Morrison, J.M. Toole, R. Krishfield, 2010. Motion tracking in an acoustic point-measurement current meter. Proceedings, OCEANS 2010 IEEE - Sydney , Print ISBN: 978-1-4244-5221-7.

Toole, J.M., M.-L. Timmermans, D.K. Perovich, R.A. Krishfield, A. Proshutinsky, and J.A. Richter-Menge, 2010. Influences of the Ocean Surface Mixed Layer and Thermohaline Stratification on Arctic Sea Ice in the Central Canada Basin, Journal of Geophysical Research, 115, C10018, doi: 1029/2009JC005660.

Timmermans, M.-L., J. Toole, R. Krishfield, and P. Winsor (2008), Ice-Tethered Profiler observations of the double-diffusive staircase in the Canada Basin thermocline, J. Geophys. Res., 113, C00A02, doi:10.1029/2008JC004829.

Krishfield, R., J. Toole, A. Proshutinsky & M.-L. Timmermans, 2008. Automated Ice-Tethered Profilers for seawater observations under pack ice in all seasons. J. Atmos. Ocean. Tech., 25, 2091-2095.

Timmermans, M.-L., J. Toole, A. Proshutinsky, R. Krishfield, and A. Plueddemann, Eddies in the Canada Basin, Arctic Ocean, observed from Ice-Tethered Profilers, Journal of Physical Oceanography, 38(1), 133-145, 2008.

Johnson, G.C., J.M. Toole and N.G.Larson, Sensor Corrections for Sea-Bird SBE-41CP and SBE-41 CTDs. J. Atmos. and Ocean. Tech., 24, 1117-1130, 2007.

Toole, J., R. Krishfield, A. Proshutinsky, C. Ashjian, K. Doherty, D. Frye, T. Hammar, J. Kemp, D. Peters, M.-L. Timmermans, K. von der Heydt, G. Packard and T. Shanahan, Ice Tethered-Profilers Sample the Upper Arctic Ocean, EOS, Trans. AGU, 87(41) , 434, 438, 2006.

Technical Reports

Newhall, R., R. Krishfield, D. Peters, and J. Kemp, Deployment Operation Procedures for the WHOI Ice-Tethered Profiler, WHOI-2007-05, 48 pp., 2007.

Krishfield, R., K. Doherty, D. Frye, T. Hammar, J. Kemp, D. Peters, A. Proshutinsky, J. Toole, and K. von der Heydt, Design and Operation of Automated Ice-Tethered Profilers for Real-time Seawater Observations in the Polar Oceans, WHOI-2006-11, 79 pp., 2006.

Dissertations

J. E. Haynes, 2010. Understanding the Importance of Oceanic Forcing on Sea Ice Variability

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