

**IPY Thorpex Norway: peer-reviewed articles**

Teller	Utg når	Førsteforf	Forfatter	Tittel	Tidsskrift/bok	Utgave	Side	DOI/ISBN	URL
1	2008	Kahnert	Michael Kahnert, Anne D Sandvik, Marina Biryulina, Jakob Starnes, Knut Starnes	Impact of ice particle shape on short wave radiative forcing: A case study for an arctic ice cloud	Journal of Quantitative Spectroscopy and Radiative Transfer	109, 7	1196–1218	10.1016/j.jqsrt.2007.10.016	<a href="http://web.ift.uib.no/~antonych/Balter/Mike.pdf">http://web.ift.uib.no/~antonych/Balter/Mike.pdf</a>
2	2008	Kolstad	Erik W. Kolstad, Thomas J. Bracegirdle	Marine cold-air outbreaks in the future: an assessment of IPCC AR4 model results for the northern hemisphere	Climate Dynamics	30	871–885	10.1007/s00382-007-0331-0	<a href="http://www.springerlink.com/content/q1w7wm57nk60v516/fulltext.pdf">http://www.springerlink.com/content/q1w7wm57nk60v516/fulltext.pdf</a>
3	2008	Kolstad	Erik W. Kolstad	A QuikSCAT climatology of ocean surface winds in the Nordic Seas: identification of features and comparison with NCEP/NCAR reanalysis	Journal of Geophysical Research (Atmospheres)	113	D11106	10.1029/2007JD008918	<a href="http://www.agu.org/journals/ABS/2008/2007JD008918.shtml">http://www.agu.org/journals/ABS/2008/2007JD008918.shtml</a>
4	2008	Sætra	Øyvind Sætra, Torsten Hanson [Linders], Jens Debernard	Can polar lows lead to a warming of the ocean surface?	Tellus A	60, 1	141–153	10.1111/j.1600-0870.2007.00279.x	<a href="http://onlinelibrary.wiley.com/doi/10.1111/j.1600-0870.2007.00279.x/full">http://onlinelibrary.wiley.com/doi/10.1111/j.1600-0870.2007.00279.x/full</a>
5	2009	Azad	Roohollah Azad, Asgeir Sorteberg	A diagnosis of warm-core and cold-core extratropical cyclone development using the Zwack–Okossi equation	Atmospheric Science Letters	10	220–225	10.1002/asl.244	<a href="http://onlinelibrary.wiley.com/doi/10.1002/asl.244/abstract">http://onlinelibrary.wiley.com/doi/10.1002/asl.244/abstract</a>
6	2009	Bracegirdle	Thomas J. Bracegirdle, Erik W. Kolstad	Climatology and variability of Southern Hemisphere marine cold-air outbreaks	Tellus	A62	202–208	10.1111/j.1600-0870.2009.00431.x	<a href="http://onlinelibrary.wiley.com/doi/10.1111/j.1600-0870.2009.00431.x/abstract">http://onlinelibrary.wiley.com/doi/10.1111/j.1600-0870.2009.00431.x/abstract</a>
7	2009	Kolstad	Erik W. Kolstad, Thomas Bracegirdle, Ivar Seierstad	Marine cold-air outbreaks in the North Atlantic: temporal distribution and associations with large-scale atmospheric circulation	Climate Dynamics	33	187–197	10.1007/s00382-008-0431-5	<a href="http://www.springerlink.com/content/p3082kpt8pl3xv87/fulltext.pdf">http://www.springerlink.com/content/p3082kpt8pl3xv87/fulltext.pdf</a>
8	2009	Kolstad	Erik Kolstad, Øyvind Paasche	Hva er klima?	Universitetsforlaget 2009			9788215013855	
9	2009	Kristjánsson	Jón Egill Kristjánsson, Sigurdur Thorsteinsson, Björn Røsting	Phase-locking of a rapidly developing extratropical cyclone by Greenland's orography	Quarterly Journal of the Royal Meteorological Society	135	1986–1998	10.1002/qj.497	<a href="http://onlinelibrary.wiley.com/doi/10.1002/qj.497/abstract">http://onlinelibrary.wiley.com/doi/10.1002/qj.497/abstract</a>
10	2009	McInnes	Harold McInnes, Jón Egill Kristjánsson, Harald Schyberg, Björn Røsting	An assessment of a Greenland lee cyclone during the Greenland Flow Distortion experiment – an observational approach	Quarterly Journal of the Royal Meteorological Society	135	1968–1985	10.1002/qj.524	<a href="http://onlinelibrary.wiley.com/doi/10.1002/qj.524/abstract">http://onlinelibrary.wiley.com/doi/10.1002/qj.524/abstract</a>
11	2009	Renfrew	Ian Renfrew, Jón Egill Kristjánsson	Editorial: The Greenland Flow Distortion Experiment	Quarterly Journal of the Royal Meteorological Society	135	1917–1918	10.1002/qj.534	<a href="http://onlinelibrary.wiley.com/doi/10.1002/qj.534/abstract">http://onlinelibrary.wiley.com/doi/10.1002/qj.534/abstract</a>
12	2009	Reuder	Joachim Reuder, Pascal Brisset, Marius Jonassen, Martin Müller, Stephanie Mayer	The Small Unmanned Meteorological Observer SUMO: A new tool for atmospheric boundary layer research	Meteorologische Zeitschrift	18	141–147	10.1127/0941-2948/2009/0363	
13	2009	Semedo	Alvaro Semedo, Øyvind Sætra, Anna Rutgersson, Kimmo K. Kahma, Heidi Pettersson	Wave-Induced Wind in the Marine Boundary Layer	Journal of the Atmospheric Sciences	66	2256–2271	10.1175/2009JAS3018.1	<a href="http://journals.ametsoc.org/doi/pdf/10.1175/2009JAS3018.1">http://journals.ametsoc.org/doi/pdf/10.1175/2009JAS3018.1</a>
14	2010	Kolstad	Erik W. Kolstad, Tarjei Breiteig, Adam A. Scaife	The association between stratospheric weak polar vortex events and cold air outbreaks in the Northern Hemisphere	Quarterly Journal of the Royal Meteorological Society	136	886–893	10.1002/qj.620.	<a href="http://onlinelibrary.wiley.com/doi/10.1002/qj.620/abstract">http://onlinelibrary.wiley.com/doi/10.1002/qj.620/abstract</a>
15	2010	Linders	Torsten Linders, Øyvind Sætra	Can CAPE Maintain Polar Lows?	Journal of the Atmospheric Sciences	67	2559–2571	10.1175/2010JAS3131.1	<a href="http://journals.ametsoc.org/doi/pdf/10.1175/2010JAS3131.1">http://journals.ametsoc.org/doi/pdf/10.1175/2010JAS3131.1</a>
16	2010	Sikand	M. Sikand, J. Koskulics, Knut Starnes, Børge Hamre, Jakob J Starnes, R.P Lawson	Optical properties of mixed phase boundary layer clouds observed from a tethered balloon platform in the Arctic	Journal of Quantitative Spectroscopy and Radiative Transfer	111	1921–1930	doi:10.1016/j.jqsrt.2010.03.002	<a href="http://www.sciencedirect.com/science?_ob=ArticleURL&amp;_udi=B6TVR-4YM7FRW-1&amp;_user=674998&amp;_coverDate=08%2F31%2F2010&amp;_rdoc=1&amp;_fmt=high&amp;_orig=gateway&amp;_origin=gateway&amp;_sort=d&amp;_docanchor=&amp;view=c&amp;_searchStrId=1690418029&amp;_rerunOrigin=scholar.google&amp;_acct=C000036598&amp;_version=1&amp;_urlVersion=0&amp;_userid=674998&amp;md5=c8e1774dc19ad5ccd5b494922fac249&amp;searchtype=a">http://www.sciencedirect.com/science?_ob=ArticleURL&amp;_udi=B6TVR-4YM7FRW-1&amp;_user=674998&amp;_coverDate=08%2F31%2F2010&amp;_rdoc=1&amp;_fmt=high&amp;_orig=gateway&amp;_origin=gateway&amp;_sort=d&amp;_docanchor=&amp;view=c&amp;_searchStrId=1690418029&amp;_rerunOrigin=scholar.google&amp;_acct=C000036598&amp;_version=1&amp;_urlVersion=0&amp;_userid=674998&amp;md5=c8e1774dc19ad5ccd5b494922fac249&amp;searchtype=a</a>
17	2010	Starnes	Knut Starnes, Børge Hamre, Jakob J. Starnes	Radiative Transfer in the Coupled Atmosphere-Snow-Ice-Ocean (CASIO) System: Review of Modeling Capabilities	Wei Gao m.fl (red.): UV Radiation in Global Climate Change: Measurements, Modeling and Effects on Ecosystems		244–269	978-3-642-03312-4; Tsinghua University Press / Springer	<a href="http://www.springerlink.com/content/978-3-642-03312-4#section=774707&amp;page=1&amp;locus=0">http://www.springerlink.com/content/978-3-642-03312-4#section=774707&amp;page=1&amp;locus=0</a>
18	2010	Storto	Andrea Storto, Roger Randriamampianina	Ensemble variational assimilation for the representation of background-error covariances in a high-latitude regional model	Journal of Geophysical Research (Atmospheres)	115	D17204	10.1029/2009JD013111	<a href="http://www.agu.org/pubs/crossref/2010/2009JD013111.shtml">http://www.agu.org/pubs/crossref/2010/2009JD013111.shtml</a>
19	2010	Storto	Andrea Storto, Roger Randriamampianina	The relative impact of meteorological observations in the Norwegian regional model as determined using an energy norm-based approach	Atmospheric Science Letters	11	51–58	10.1002/asl.257	<a href="http://onlinelibrary.wiley.com/doi/10.1002/asl.257/abstract">http://onlinelibrary.wiley.com/doi/10.1002/asl.257/abstract</a>
20	2011	Adakudlu	Muralidhar Adakudlu, Idar Barstad	Impacts of sea-surface temperature on polar lows: A numerical study	Quarterly Journal of the Royal Meteorological Society	in review			
21	2011	Aspelien	Trygve Aspelien, Trond Iversen, John Bjørnar Bremnes, Inger-Lise Frogner	Short-range probabilistic forecasts from the Norwegian limited-area EPS: long-term validation and a polar low study	Tellus A			10.1111/j.1600-0870.2010.00502.x	<a href="http://onlinelibrary.wiley.com/doi/10.1111/j.1600-0870.2010.00502.x/full">http://onlinelibrary.wiley.com/doi/10.1111/j.1600-0870.2010.00502.x/full</a>
22	2011	Barstad	Idar Barstad, Muralidhar Adakudlu	Observation and modelling of gap flow and wake formation on Svalbard	Quarterly Journal of the Royal Meteorological Society	accepted			
23	2011	Barstad	Idar Barstad, Asgeir Sorteberg, Michel dos Santos Mesquita	Present and future offshore wind power potential in northern Europe based on downscaled global climate runs with adjusted SST and sea-ice cover	Journal of Renewable Energy	in review			

24	2011	Føre	Ivan Føre, Jón Egill Kristjánsson, Øyvind Sætra, Øyvind Breivik, Bjørn Røsting, Melvin Shapiro	The full life cycle of a polar low over the Norwegian Sea observed by three research aircraft flights	Quarterly Journal of the Royal Meteorological Society	accepted			
25	2011	Føre	Ivan Føre, Jón Egill Kristjánsson, Erik Kolstad, Tom Bracegirdle, Øyvind Sætra, Bjørn Røsting	A "hurricane-like" polar low fueled by sensible heat flux: high-resolution numerical simulations	Quarterly Journal of the Royal Meteorological Society	in review			
26	2011	Kolstad	Erik W Kolstad, Andrew J Charlton-Perez	Observed and simulated precursors of stratospheric polar vortex anomalies in the Northern Hemisphere	Climate Dynamics			10.1007/s00382-010-0919-7	<a href="http://www.springerlink.com/content/576g214m52u611t0/">http://www.springerlink.com/content/576g214m52u611t0/</a>
27	2011	Kristiansen	Jørn Kristiansen, Silje Lund Sørland, Trond Iversen, Dag Bjørge, Morten Ødegaard Køltzow	High-resolution ensemble prediction of a polar low development	Tellus A			10.1111/j.1600-0870.2010.00498.x	<a href="http://onlinelibrary.wiley.com/doi/10.1111/j.1600-0870.2010.00498.x/full">http://onlinelibrary.wiley.com/doi/10.1111/j.1600-0870.2010.00498.x/full</a>
28	2011	Kristjánsson	Jón Egill Kristjánsson, Idar Barstad, Trygve Aspelien, Ivan Føre, Øystein Godøy, Øystein Hov, Emma Irvine, Trond Iversen, Erik W. Kolstad, Thor Erik Nordeng, Harold McInnes, Roger Randriamampianina, Joachim Reuder, Øyvind Sætra, Mel Shapiro, Thomas Spengler, Haraldur Ólafsson	The Norwegian IPY-THORPEX: Polar Lows and Arctic Fronts during the 2008 Andøya campaign	Bulletin of the American Meteorological Society	betinget akseptert			
29	2011	Kristjánsson	Jón Egill Kristjánsson, Sigurdur Thorsteinsson, Erik W. Kolstad, Anne-Marlene Blechschmidt	Orographic influence of East Greenland on a Polar Low over the Denmark Strait	Quarterly Journal of the Royal Meteorological Society	akseptert			
30	2011	Lawson	R. Paul Lawson, Knut Stamnes, Jakob Stamnes, Pat Zmarzly, Jeff Kosuliks, Chris Roden, Qixu Mo, Michael Carrithers	Deployment of a tethered balloon system for cloud microphysics and radiative measurements at Ny-Ålesund and South Pole	Journal of Atmospheric and Oceanic Technology	accepted		10.1175/2010JTECHA1439.1	<a href="http://journals.ametsoc.org/doi/abs/10.1175/2010JTECHA1439.1">http://journals.ametsoc.org/doi/abs/10.1175/2010JTECHA1439.1</a>
31	2011	Linders	Torsten Linders, Øyvind Sætra, Thomas J Bracegirdle	Limited polar low sensitivity to sea-surface temperature	Quarterly Journal of the Royal Meteorological Society	137	58–69	10.1002/qj.718	<a href="http://onlinelibrary.wiley.com/doi/10.1002/qj.718/full">http://onlinelibrary.wiley.com/doi/10.1002/qj.718/full</a>
32	2011	Mayer	Stephanie Mayer, Marius Jonassen, Anne Sandvik, Joachim Reuder	Investigations of the stable arctic boundary layer based on UAS profile measurements and WRF model simulations. Results from a field campaign in Svalbard in spring 2009	Boundary Layer Meteorology	in review			
33	2011	McInnes	Harold McInnes, Jørn Kristiansen, Jón Egill Kristjánsson, Harald Schyberg	The role of horizontal resolution for polar low simulations	Quarterly Journal of the Royal Meteorological Society	submitted			
34	2011	Noer	Gunnar Noer, Øyvind Sætra, Tron Lien, Yvonne Gusdal	A climatological study of polar lows in the Nordic Seas	Quarterly Journal of the Royal Meteorological Society	in review			
35	2011	Randriamampianina	Roger Randriamampianina, Trond Iversen, Andrea Storto	Exploring the Assimilation of IASI Radiances in Forecasting Polar Lows	Quarterly Journal of the Royal Meteorological Society	in review			
36	2011	Reeve	Mathew A Reeve, Erik W Kolstad	The Spitsbergen South Cape Tip Jet	Quarterly Journal of the Royal Meteorological Society	accepted			
37	2011	Stamnes	Knut Stamnes, Børge Hamre, Jakob J. Stamnes, Gennady Ryzhikov, Marina Biryulina, Robert Mahoney, Bruce Haus, Alain Sei	Modeling of radiation transport in coupled atmosphere-snow-ice-ocean systems	Journal of Quantitative Spectroscopy & Radiative Transfer	112	714–726	10.1016/j.jqsrt.2010.06.006	<a href="http://www.sciencedirect.com/science?_ob=ArticleURL&amp;_udi=B6TVR-50BB5NR-1&amp;_user=674998&amp;_coverDate=03%2F31%2F2011&amp;_rdoc=1&amp;_fmt=high&amp;_orig=gateway&amp;_origin=gateway&amp;_sort=d&amp;_docanchor=&amp;view=c&amp;_searchStrId=1697903689&amp;_rerunOrigin=google&amp;_acct=C000036598&amp;_version=1&amp;_urlVersion=0&amp;_userid=674998&amp;md5=08be4ddb32ea946459850663b9362d60&amp;searchtype=a">http://www.sciencedirect.com/science?_ob=ArticleURL&amp;_udi=B6TVR-50BB5NR-1&amp;_user=674998&amp;_coverDate=03%2F31%2F2011&amp;_rdoc=1&amp;_fmt=high&amp;_orig=gateway&amp;_origin=gateway&amp;_sort=d&amp;_docanchor=&amp;view=c&amp;_searchStrId=1697903689&amp;_rerunOrigin=google&amp;_acct=C000036598&amp;_version=1&amp;_urlVersion=0&amp;_userid=674998&amp;md5=08be4ddb32ea946459850663b9362d60&amp;searchtype=a</a>
38	2011	Nordeng	Thor Erik Nordeng, Bjørn Røsting	A polar low named Vera: the use of potential vorticity diagnostics to assess its development	Quarterly Journal of the Royal Meteorological Society	in review			

## IPY Thorpex Norway: popular scientific articles

1	2007	Thor Erik Nordeng, Gilbert Brunet, Jim Caughey	Improvement of weather forecasts in polar regions	WMO Bulletin	Oktober 2007			
2	2008	Anne Dagrund Sandvik, Frode Flatøy, Jón Egil Kristjánsson	Oppvarmingen i Arktis kan forsterkes av våtere skyer	Klima	nr 3, 2008	side 38–40	<a href="http://cicero.uio.no/klima/08/3/klima08-03.pdf#page=38">http://cicero.uio.no/klima/08/3/klima08-03.pdf#page=38</a>	
3	2008	Roger Randriamampianina, Andrea Storto	ALADIN-HARMONIE/Norway and its assimilation system - the implementation phase	HIRLAM Newsletter	nr 54		<a href="http://hirlam.org/publications/NewsLetters/NL54_Hexnet_pr el/HIRLAM_NL54_Harmonie_Assim_R_S.pdf">http://hirlam.org/publications/NewsLetters/NL54_Hexnet_pr el/HIRLAM_NL54_Harmonie_Assim_R_S.pdf</a>	
4	2008	Roger Randriamampianina, Andrea Storto	Investigating the use of the IASI data in a limited area model	Proceedings of the 16th international TOVS study conference	Angra dos Reis, Brasil, 7.–13. mai 2008		<a href="http://cimss.ssec.wisc.edu/itwg/itsc/itsc16/proceedings/A20_Randriamampianina_paper.pdf">http://cimss.ssec.wisc.edu/itwg/itsc/itsc16/proceedings/A20_Randriamampianina_paper.pdf</a>	
5	2008	Idar Barstad, Jón Egill Kristjánsson, Øystein Hov, Mel Shapiro, Emma Irvine, Andreas Dörnbrack, Frank Probst, Haraldur Ólafsson, Rune Storvold, Øyvind Sætra	The main observational campaign of the IPY-THORPEX-Norway project	Technical report R29, Bjerknes Centre for Climate Research	2008		<a href="http://folk.uib.no/ngfib/R29.pdf">http://folk.uib.no/ngfib/R29.pdf</a>	
6	2008	Trygve Aspelien	Operational NORLAMEPS at met.no	HIRLAM Newsletter	2008		<a href="http://hirlam.org/publications/NewsLetters/NL54_Hexnet_pr el/ASM_abstract_Aspelien.pdf">http://hirlam.org/publications/NewsLetters/NL54_Hexnet_pr el/ASM_abstract_Aspelien.pdf</a>	
7	2009	Thor Erik Nordeng, David Carlson, Jón Egil Kristjánsson	Advancing Weather, Ice and Environmental Predictions in The Polar Regions: An IPY Legacy	CAS Vision Paper	2009			
8	2009	Thor Erik Nordeng	A polar low named Vera, dynamics and model performance	met.no report	nr 4, 2009	ISSN 1503-8025	<a href="http://met.no/Forskning/Publikasjoner/Publikasjoner_2009/firstore/VERA.pdf">http://met.no/Forskning/Publikasjoner/Publikasjoner_2009/firstore/VERA.pdf</a>	
9	2011	Jón Egill Kristjánsson	Bedre varsling av ekstremvær i Arktis	Bidrag til bok om IPY-prosjektene	2011		under trykking	
10	2011	Johannes Sebastian Wagner	The Mesoscale Structure of a Polar Low – Simulations and Airborne Measurements	Diploma Thesis, Innsbruck			<a href="http://imgi.uibk.ac.at/sekretariat/diploma_theses/Wagner_Johannes_2011_Dipl.pdf">http://imgi.uibk.ac.at/sekretariat/diploma_theses/Wagner_Johannes_2011_Dipl.pdf</a>	