

Joakim Kjellsson

CONTACT INFORMATION	27 Crowell Road Oxford, OX43LL, UK	+44 747 91 92 667 joakimkjellsson@gmail.com http://users.ox.ac.uk/~phys1375/joakim-oxford/
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EDUCATION	Stockholm University, Stockholm, Sweden Ph.D. Atmospheric Sciences & Oceanography, Feb 2014 Ph.D. thesis: "Atmospheric & Oceanic Applications of Eulerian and Lagrangian Transport Modelling" M.Sc. Meteorology, June 2009 M.Sc. thesis: "Lagrangian decomposition of the Hadley Cells"
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RESEARCH EXPERIENCE	University of Oxford Postdoc 2016-(2017) <ul style="list-style-type: none">• Eddy parameterisations• Eddy-mean-flow interactions• Two-dimensional turbulence British Antarctic Survey Postdoc 2014-2016 <ul style="list-style-type: none">• Southern Ocean circulation and sea ice• Ocean and sea-ice modelling Stockholm University Ph.D. student 2009-2014 <ul style="list-style-type: none">• Large-scale atmospheric circulation• Particle-tracking in the ocean and atmosphere• Climate modelling
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ADDITIONAL RESEARCH EXPERIENCE	<ul style="list-style-type: none">• Developer and maintainer of the TRACMASS Lagrangian trajectory code together with Kristofer Döös (Stockholm University) and Bror Jönsson (Princeton University).• 1 month field work (CTD & XBT casts etc.) on the Labrador Sea with the R/V Endeavour from University of Rhode Island. Lead by Dr. Dave Hebert. May 2011• Installed and made first runs with the OpenIFS atmospheric model from ECMWF at the Triolith supercomputer in Sweden.• Involved in coupling NEMO 3.6 ocean model to CICE 5 sea ice model and performed first runs at the British Antarctic Survey.
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OTHER EXPERIENCE	<ul style="list-style-type: none">• AOPP representative on Physics Postdocs Liaison Committee at University of Oxford• Organiser of Polar Oceans seminar series and Python Users Group at British Antarctic Survey• Mentored undergraduate student within a mentorship programme at Stockholm University• Ph.D. student representative on the Department Board at the Department of Meteorology, Stockholm University
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- Represented the Department of Meteorology at Stockholm University at education exhibitions and other outreach activities

TEACHING EXPERIENCE

Stockholm University

Tutor

2009-2013

- Numerical methods
- Mesoscale meteorology
- Numerical weather prediction
- Large-scale modelling of atmosphere and ocean

Trinity College, Oxford

Tutor

2016-2017

- Fluids, Flows & Complexity

GRANTS AWARDED

Jubileumsdonationen, K. och A. Wallenbergs Stiftelse, 8000 SEK to attend AGU Fall Meeting 2012

C. F. Liljevalch J:ors stipendiefond, 8000 SEK to attend AMS 19th conference on Atmospheric and Oceanic Fluid Dynamics 2013

LANGUAGES

Programming: MATLAB, Python, Fortran, Bash, L^AT_EX
Fluent: Swedish, English
Basic: German

REFERENCES

Dr. Paul Holland. Previous employer. Head of Shelf Seas programme at British Antarctic Survey, Cambridge, UK, +44 (0) 1223 221444, pahol@bas.ac.uk

Prof. Kristofer Döös. Supervisor of PhD and Master thesis. Department of Meteorology, Stockholm University, +46-(0)8-161734, doos@misu.su.se