

## Birgit Hassler

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### Education

- 10/2009**                      **Ph.D. in Meteorology**  
Ludwig-Maximilians-Universität München, Germany
- *Thesis: Global patterns in halogen-induced changes in vertically resolved stratospheric ozone*
- 2007 – 2009**                      **Ph.D. student**  
National Institute of Water and Atmospheric Research (NIWA), Lauder, New Zealand
- 02/2006 – 07/2006**              **Ph.D. qualifying exams (oral)**  
Ludwig-Maximilians-Universität München, Germany
- 2001**                              **Diplom in Hydrology (M.Sc.)**  
Albert-Ludwigs-Universität Freiburg, Germany
- *Thesis: The influence of climate variability on hydrological drought in Europe- scenarios*
- 1996 – 1997**                      **Study Abroad**  
scholarship to the University of Freiburg's exchange programme Brock University, Ontario, Canada
- 1996**                              **Vordiplom (Intermediate oral exams/undergraduate degree)**  
Albert-Ludwigs-Universität Freiburg, Germany

### Research Experience

- 12/2009 – present**              **Postdoctoral Fellow**  
Cooperative Institute for Research in Environmental Sciences (CIRES), University of Colorado at Boulder, Boulder, USA, and NOAA Earth System Research Laboratories, Boulder, USA
- *science advisor until 05/2011: Dr. Susan Solomon*
  - *science advisor since 06/2011: Dr. John S. Daniel*
- 05/2009 – 11/2009**              **Research assistant**  
Deutsches Zentrum für Luft- und Raumfahrt (DLR), Oberpfaffenhofen, Germany

07/2008 – 08/2008	<b>Visiting scientist</b> Deutsches Zentrum für Luft- und Raumfahrt (DLR), Oberpfaffenhofen, Germany
11/2006	<b>Scientist (freelance)</b> contract from: Meteorological Observatory Hohenpeissenberg, Germany
03/2006 – 04/2006	<b>Consultant for</b> Finnish Meteorological Institute (FMI), Finland
2004 – 2006	<b>Research Assistant (precipitation radar research group)</b> Meteorological Observatory Hohenpeissenberg, Germany
2001 – 2004	<b>Research Assistant (ozone research group)</b> Meteorological Observatory Hohenpeissenberg, Germany
1999	<b>Internship</b> CRS4, Centro di Ricerca, Sviluppo e Studi Superiori in Sardegna, Cagliari, Sardinia/Italy
1997	<b>Internship</b> Federal Agency for Water, Section Donau/Bodensee, Ulm, Germany

## Selected Publications

1. **Hassler, B.**, J.S. Daniel, B.J. Johnson, S. Solomon, and S.J. Oltmans (2011), Twenty-five years of ozonesonde measurements at South Pole: An assessment of changing loss rates, *J. Geophys. Res.*, submitted.
2. **Hassler, B.**, G.E. Bodeker, S. Solomon, and P.J. Young (2011), Changes in the polar vortex: Effects on Antarctic total ozone observations at various stations, *Geophys. Res. Lett.*, 38, L01805, doi:10.1029/2010GL045542.
3. **Hassler, B.**, G.E. Bodeker, and M. Dameris (2008), Technical Note: A new global database of trace gases and aerosols from multiple sources of high vertical resolution measurements, *Atmos. Chem. Phys.*, 8, 5403-5421.
4. Steinbrecht, W., **B. Hassler**, C. Bruhl, M. Dameris, M.A. Giorgetta, V. Grewe, E. Manzini, S. Matthes, C. Schnadt, B. Steil, and P. Winkler (2006), Interannual variation patterns of total ozone and lower stratospheric temperature in observations and model simulations, *Atmos. Chem. Phys.*, 6, 349-374.
5. Steinbrecht, W., **B. Hassler**, H. Claude, P. Winkler, and R.S. Stolarski (2003), Global distribution of total ozone and lower stratospheric temperature variations, *Atmos. Chem. Phys.*, 3, 1421-1438.

## Professional services

- Reviewer of Chapter 3 of the *Scientific Assessment of Ozone Depletion, 2010*
- Reviewer for the journals *Atmospheric Chemistry and Physics*, *Geophysical Research Letters* and *Journal of Atmospheric Sciences*
- Chair of Poster Session A33C: *Atmospheric Sciences General Contributions: Tropospheric and Stratospheric Ozone II* at the AGU Fall Meeting 2010, San Francisco.