

# Curriculum Vitae

Dr. Martin G. Scharffenberg



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## Personal Information

Date of birth	04.10.1978
Place of birth	Jena, Germany
Family status	Married
Children	One (2006)
Citizenship	German

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## Education

11/2005 – 06/2010	<b>Universität Hamburg</b> , Institute of Oceanography, Remote Sensing and Assimilation, Hamburg, Germany. <i>Doctor of Science, Thesis: The Large-Scale Geostrophic Flow-Field and Eddy Variability as seen from the TOPEX/Poseidon and Jason-1 Tandem Mission, Advisor: Prof. Detlef Stammer</i>
12/2009	<b>Massachusetts Institute of Technology (MIT)</b> , MIT Department of Earth, Atmospheric, and Planetary Sciences (EAPS), Cambridge, MA, USA <i>Guest Student, Advisor: Prof. Carl Wunsch</i>
02/2005 – 03/2005	<b>University of California San Diego</b> , SCRIPS Institut of Oceanography (SIO), San Diego, CA, USA <i>Guest Student during Diploma thesis, Advisor: Prof. Uwe Send</i>
09/1999 – 08/2005	<b>Universität Kiel (CAU)</b> , Institute for Marine Research (IFM-GEOMAR), Kiel, Germany <i>Diploma in Oceanography, Thesis: Analysis of high resolution time-series of the water-mass-variability in the tropical North-West-Atlantic (in German), Advisor: Prof. Uwe Send, minor fields of studies: Meteorology, Geophysics</i>
09/1998 – 04/1999	<b>Westfälische Hochschule Zwickau</b> , Zwickau, Germany <i>Study of Automotive Engineering</i>
09/1985 – 07/1997	<b>Gymnasium am Anger</b> , Jena, Germany <i>Abitur</i>

## Language Skills

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German	Native
English	Native Level, Business Excellent
French	Basic
Norwegian	Basic

## Employment History

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05/2022 – heute	<b>Nonprofit</b> , <i>Consulting and strategy development digital recruiting in the green sector</i>
04/2021 – 04/2022	<b>Helmholtz-Zentrum hereon</b> , GERICS, German Institute for Climate Services, Hamburg, Germany <i>Scientific Officer for the German Committee in Future Earth (DKN)</i>
05/2019 – 12/2020	<b>Universität Hamburg</b> , Center for Sustainable Research Data Management, Hamburg Germany <i>Project manager, "Shaping the digital Cultural Change" within the Program "Hamburg Open Science"</i>
05/2015 – 12/2018	<b>Universität Hamburg</b> , Institute of Oceanography, Institute of Geology, Centre for Earth System Research and Sustainability (CEN), Leitstelle deutsche Forschungsschiffe, Hamburg, Germany <i>Research Scientist / Project manager, Project: "Underway Data" for continuous near real time transmission of underway data from German research vessels</i>
01/2013 – 05/2018	<b>Universität Hamburg</b> , Institute of Oceanography, Centre for Earth System Research and Sustainability (CEN), Remote Sensing and Assimilation, Hamburg, Germany <i>Research Scientist, ESA Sea Level Climate Change Initiative (SLCCI)</i>
02/2012 – 12/2012	<b>Universität Hamburg</b> , Institute of Oceanography, Leitstelle deutsche Forschungsschiffe, Hamburg, Germany <i>Research Scientist, Pilot-project: "Underway Data" for continuous near real time transmission of underway data from German research vessels</i>
08/2011 – 01/2012	<b>Universität Hamburg</b> , Institute of Oceanography, Remote Sensing and Assimilation, Hamburg, Germany <i>Postdoctoral Associate, Advisor: Prof. Detlef Stammer</i>
07/2010 – 07/2011	<b>Massachusetts Institute of Technology (MIT)</b> , Department of Earth, Atmospheric, and Planetary Sciences (EAPS), Program in Atmospheres, Oceans and Climate (PAOC), Cambridge, MA, USA <i>Postdoctoral Associate, Advisor: Prof. Carl Wunsch</i>
04/2001 – 08/2005	<b>Universität Kiel (CAU)</b> , Institute for Marine Research (IFM-GEOMAR), Kiel, Germany <i>Research assistant</i>

## Scientific Review

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Since 2018	IPCC (Intergovernmental Panel on Climate Change) Multidisciplinary Digital Publishing Institute (MDPI) - Remote Sensing
Since 2016	Surveys in Geophysics (GEOP)
Since 2015	ELSEVIER – Dynamics of Atmospheres and Oceans (DYNAT)
Since 2014	Pure and applied Geophysics (PAAG) Zentralblatt für Geologie und Paläontologie (ZGP)
Since 2011	Journal of Geophysical Research (JGR)

## Field Experience / Research Cruises

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04/2005 – 05/2005	<b>L' ATALANTE</b> (CLIVAR, MOVE – tropical Atlantic), Institute for Marine Research, Universität Kiel, PI U. Send, Mooring service. Responsibilities: Instrument calibration, service and data acquisition (Microcats, Mini T), assist mooring and instrument preparation, mooring works and CTD, [Fort-de-France – Fort-de-France, Martinique]
02/2004 – 04/2004	<b>METEOR 60-4</b> (CLIVAR, MOVE – tropical Atlantic), Institute for Marine Research, Universität Kiel, PI U. Send, Mooring service. Responsibilities: Instrument calibration service and data acquisition, (Microcats, Mini T), assist mooring and instrument preparation, mooring works and CTD, [Fort-de-France – Fort-de-France, Martinique]
12/2003	<b>DISCOVERY 276</b> (Vema Channel – tropical Atlantic), Institute for Marine Research, Universität Kiel, PI W. Zenk, Mooring service. Responsibilities: Instrument calibration, service and data acquisition (Microcats, Mini T), assist mooring and instrument preparation, mooring works, CTD, [Fortaleza – Rio de Janeiro, Brazil]
06/2003 – 07/2003	<b>SONNE 172</b> (CLIVAR, MOVE – tropical Atlantic), Institute for Marine Research, Universität Kiel, PI U. Send, Mooring service. Responsibilities: Instrument calibration, service and data acquisition (Microcats, Mini T), assist mooring and instrument preparation, mooring works, CTD, [Pointe-a-Pitre – Pointe-a-Pitre, Guadeloupe]
03/2003	Geophysical exploration (Villamoura, Portugal), PI R. Mäusbacher, School of Chemical and Earth Sciences, Friedrich-Schiller-Universität Jena. Responsibilities: Seismic, geodetic measurements, assist Drill Cores:
10/2002	<b>ALKOR 214</b> (in NATLAB-Projekt), Institute for Geoscience, Universität Kiel, PI F. Theilen. Responsibilities: Assist Ocean Bottom Seismometer (OBS) stimulated by Air Gun and Beathammer, Boomer profiles, Drill Cores, [Kiel – Kiel, Germany]
04/2002	<b>POLARFUCHS</b> , Institute for Marine Research, Universität Kiel, Lighthouse Kiel. Assist water-thermometer service, [Kiel –Kiel]
10/2001	<b>ALKOR 191b</b> (in BASEWECS – Baltic Sea) Institute for Marine Research, Universität Kiel; PI Thomas Müller: Praktika cruise. Student assist ADCP, CTD, Mooring service, Meteorology, [Kiel – Kiel, Germany]

## Community Service and Extracurricular Activities

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07/2021	<b>German Sustainability Science Summit 2021</b> , international online conference <i>Organising committee</i>
12/2020	<b>Hamburg Open Science Award 2020</b> , Hamburg, Germany <i>Organizer</i>
2019 – present	<b>Surfrider Foundation Europe and Germany</b> <i>Member</i>
2016 – present	<b>MIT Club of Germany</b> <i>Member</i>
09/2013	<b>ICYESS, Interdisciplinary Conference of Young Earth System Scientists Conference, Understanding and Interpreting Uncertainty</b> , Hamburg, Germany. <i>Organizing committee</i>
10/2012	<b>3<sup>rd</sup> Young Scientists Conference: Interdisciplinary Approaches to Global Change</b> , Kiel, Germany. <i>Organizing committee</i>
2011 – present	<b>YESS, Young Earth System Scientists</b> <i>Member</i>
04/2006	<b>European Geosciences Union General Assembly (EGU)</b> , Vienna, Austria. <i>Student assistant</i>
09/1997 – 09/1998	<b>School for handycapped children</b> , Jena, Germany <i>Zivildienst (alternative civil service)</i>

## Teaching Experience and Training

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02/2015 – 10/2015	<b>Universität Hamburg</b> , Institute of Oceanography, Centre for Earth System Research and Sustainability (CEN), Hamburg, Germany <i>Bachelor Thesis Supervisor</i> Title: <i>Abschätzung des Windenergieeintrags in den Ozean auf Basis von Satellitendaten</i>
11/2014 – 12/2014	<b>Universität Hamburg</b> , Institute of Oceanography, Hamburg, Germany <i>Teaching Assistant</i> for MATLAB course
10/2013 – 10/2014	<b>Universität Hamburg</b> , Institute of Oceanography, Centre for Earth System Research and Sustainability (CEN), Hamburg, Germany <i>Master Thesis Supervisor</i> Title: <i>An Analysis of Global Mean Sea Level Estimates: Variability and Causes</i>
06/2013 – 12/2013	<b>Universität Hamburg</b> , Institute of Oceanography, Hamburg, Germany <i>Bachelor Thesis Supervisor</i> Title: <i>Spektrale Untersuchungen von SSH-Daten mit CryoSat-2 im Küstenbereich</i>
01/2013 – 02/2013	<b>Universität Hamburg</b> , Institute of Oceanography, Hamburg, Germany <i>Teaching Assistant</i> for MATLAB course
02/2012 – 09/2012	<b>Universität Hamburg</b> , Institute of Oceanography, Hamburg, Germany <i>Bachelor Thesis Supervisor</i> , Title: <i>SSH-Messungen mit CryoSat-2, eine Vergleichsstudie mit herkömmlichen Altimetern</i>

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## Research and Work Interests

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### Climate Science

#### Satellite Altimetry

##### Sea Level

- Uncertainties in Global mean Sea Level Estimates

##### Ocean circulation and variability of

- Geostrophic Velocities
- Eddy Kinetic Energy (EKE)
- Isotropy / Anisotropy of the Ocean circulation
- Spectral behavior of geostrophic velocities and EKE
- Seasonal variations of Geostrophic Velocity Anomalies, Eddy Kinetic Energy and Zonal Jets on the seasonal cycle
- Frequency and Wavenumber Spectra of geostrophic velocities and of EKE

#### Underway Data

Monitored investigation and transmission of oceanographic and meteorologic "underway" measurements on the big German research vessels their quality control and archiving.

FS METEOR, FS M. S. MERIAN, TSFS SONNE

Microplastic in the Oceans through shipboard measurements

#### In-Situ Data

IFM-GEOMAR, Kiel: Data acquisition and analysis (CLIVAR, MOVE – tropical Atlantic) of high resolution CTD (MicroCAT) and Recording Current Meter (RCM) time-series with regard to Rossby waves.

Deep ARGO and deep Glider programs

### Project Management

### Science Communication

### Open Science

Digital methods and tools for open science

Digital Kommunikation

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## Publication List

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### Peer Reviewed

**INTERNATIONAL ALTIMETER TEAM**, 2021: Altimetry for the future: Building on 25 years of progress. *Adv. Space Res.*, 68 2, 319-363, doi:10.1016/j.asr.2021.01.022

**SCHARFFENBERG, M. G.** and D. STAMMER, 2019: Time-space sampling-related uncertainties of altimetric global mean sea level estimates. *J. Geophys. Res. Oceans*, 124, doi:10.1029/2018JC014785

**SCHARFFENBERG, M. G.**, A. KÖHL and D. STAMMER, 2017: Testing the Quality of Sea-Level Data Using the GECCO Adjoint Assimilation Approach. *Surv. Geophys.*, 121, 4157-4177, doi:10.1007/s10712-016-9401-3.

BIRI, S., N. SERRA, **M. G. SCHARFFENBERG** and D. STAMMER, 2016: Atlantic sea surface height and velocity spectra inferred from satellite altimetry and a hierarchy of numerical simulations. *J. Geophys. Res. Oceans*, 121, 4157-4177, doi:10.1002/2015JC011503.

BIRI, S., **M. G. SCHARFFENBERG** and D. STAMMER, 2015: A probabilistic description of the mesoscale eddy field in the ocean. *J. Geophys. Res. Oceans*, 120, 4778-4802, doi:10.1002/2014JC010681.

ABLAIN, M., A. CAZENAIVE, G. LARNICOL, M. BALMASEDA, P. CIPOLLINI, Y. FAUGÈRE, M. J. FERNANDES, O. HENRY, J. A. JOHANNESSEN, P. KNUDSEN, O. ANDERSEN, J. LEGEAIS, B. MEYSSIGNAC, M. PICOT, M. ROCA, S. RUDENKO, **M. G. SCHARFFENBERG**, D. STAMMER, G. TIMMS and J. BENVENISTE, 2014: Improved sea level record over the satellite altimetry era (1993-2010) from the Climate Change Initiative Project. *Ocean Science*, 11, 67-82, doi:10.5194/os-11-67-2015, 2015.

WORTHAM, C., J. CALLIES and **M. G. SCHARFFENBERG**, 2014: Asymmetries between along- and across-track velocity spectra from tandem-mission altimetry. *Journal of Physical Oceanography*, 44 (4), 1151-1160, doi:10.1175/JPO-D-13-0153.1.

**SCHARFFENBERG, M. G.** and D. STAMMER, 2011: Statistical Parameters of the Geostrophic Ocean Flow Field, Estimated from the Jason-1 – TOPEX/Poseidon Tandem Mission. *Journal of Geophysical Research*, 116, C12011, doi:10.1029/2011JC007376.

BRATH, M., **M. G. SCHARFFENBERG**, N. SERRA and D. STAMMER, 2010: Estimates of Eddy Variability and Eddy Transports in the Subpolar North Atlantic. *Marine Geodesy*, 33: 1, 472 – 503, doi:10.1080/01490419.2010.488921.

**SCHARFFENBERG, M. G.** and D. STAMMER, 2010: Seasonal variations of the large-scale geostrophic flow field and eddy kinetic energy inferred from the TOPEX/Poseidon and Jason-1 tandem mission data. *Journal of Geophysical Research*, 115, C02008, doi:10.1029/2008JC005242.

## Thesis

**SCHARFFENBERG, M. G.**, 2009: The large-scale Geostrophic Flow-Field and Eddy Variability as seen from the TOPEX/Poseidon and Jason-1 Tandem Mission. **Doctoral thesis**, Institute for Marine Research, Hamburg, Germany, Prof. Dr. D. Stammer.

**SCHARFFENBERG, M. G.**, 2005: Analyse hochaufgelöster Zeitserien der Wassermassenvariabilität im tropischen Nord-West-Atlantik. *English: Analysis of high resolution time-series of the water-mass-variability in the tropical North-West-Atlantic*. **Diploma thesis**, IFM-GEOMAR, Kiel, Germany, Prof. Dr. U. Send.

## In Proceedings

**SCHARFFENBERG, M. G.**, S. BIRI and D. STAMMER, 2013: Probability density functions and higher order statistics of large-scale geostrophic velocity estimates and sea surface height, as seen from the Jason-1 – TOPEX/POSEIDON tandem mission. *In Proceedings of the 20 Years of Progress in Radar Altimetry Symposium*, (Eds. L. Ouwehand), ESA SP-710 (CD-ROM), ESA Publications Division, European Space Agency, Noordwijk, The Netherlands.

## Conference Talks

**SCHARFFENBERG, M. G.**, April 08., 2019: Inherent uncertainties within Global Mean Sea Level estimates time series, EGU2019\_6637. *European Geoscience Union 2019 (EGU)*, Vienna, Austria.

**SCHARFFENBERG, M. G.**, M. HEMMING and D. STAMMER, Oktober 22., 2015: Uncertainty estimates of altimetric Global Mean Sea Level timeseries. *Ocean Surface Topography Science Team Meeting 2015 (OSTST)*, Reston, VA, USA.

**SCHARFFENBERG, M. G.**, A. KÖHL and D. STAMMER, Oktober 27.-31., 2014: Sea Level ECV Quality Assessment via Global Ocean Model Assimilation. *Ocean Surface Topography Science Team Meeting 2014 (OSTST)*, Konstanz, Germany.

**SCHARFFENBERG, M. G.**, September 23.-25., 2013: Ocean Surface Velocities – looking behind the scenes. *ICYESS 2013, Interdisciplinary Conference of Young Earth System Scientists – Understanding Uncertainty*, Hamburg, Germany.

**SCHARFFENBERG, M. G.** and D. STAMMER, October 01.-10., 2012: Statistical Parameters of the Geostrophic Ocean Flow Field, from the Jason-1 - TOPEX/Poseidon Tandem Mission. *Future Ocean Conferences, 3<sup>rd</sup> Young Scientists Conference: Interdisciplinary Approaches to Global Change*, Kiel, Germany.

**SCHARFFENBERG, M. G.** and D. STAMMER, October 19.-21., 2011: Statistical Parameters of the Geostrophic Ocean Flow Field, from the Jason-1 - TOPEX/Poseidon Tandem Mission. *Ocean Surface Topography Science Team Meeting (OSTST)*, San Diego, California, USA.

**SCHARFFENBERG, M. G.** and D. STAMMER, June 20.-22., 2011: Statistical Parameters of the Geostrophic Ocean Flow Field, from the TOPEX/Poseidon and Jason-1 Tandem Mission. *Atmosphere-Ocean Science Days (AOS) Conference*, Massachusetts Institute of Technology, Cambridge, MA and Woods Hole Oceanographic Institute, Woods Hole, MA, USA.

**SCHARFFENBERG, M. G.** and D. STAMMER, September 24.-28., 2007: Annual variations of geostrophic currents and Eddy Kinetic Energy inferred from TOPEX/Poseidon – Jason-1 Tandem Mission data. *EUMETSAT Meteorological Satellite Conference and 15<sup>th</sup> American Meteorological Society (AMS) Satellite Meteorology & Oceanography Conference*, Amsterdam, Netherlands.

#### Seminar Talks

**SCHARFFENBERG, M. G.** and D. STAMMER, November 24., 2010: The Large-Scale Geostrophic Flow-Field and Eddy Variability as seen from the TOPEX/Poseidon – Jason-1 Tandem Mission. *Sack Lunch Seminar, EAPS*, Massachusetts Institute of Technology, Cambridge, USA.

**SCHARFFENBERG, M. G.** and D. STAMMER, September 19., 2007: Annual variations of geostrophic currents and Eddy Kinetic Energy inferred from TOPEX/Poseidon – Jason-1 Tandem Mission data. *Remote Sensing Seminar*, Institute for Marine Research, Hamburg, Germany.

#### Conference Poster

**SCHARFFENBERG, M. G.** and K. OLSCHOFSKY, May 04., 2020: The digital cultural change within the program Hamburg Open Science, EGU2020\_20369. *European Geoscience Union 2020 (EGU)*, Vienna, Austria.

**SCHARFFENBERG, M. G.** and D. STAMMER, September 24.-29., 2018, Inherent uncertainties within altimetric Global Mean Sea Level time-series. *25 Years of Progress in Radar Altimetry Symposium / Ocean Surface Topography Science Team Meeting 2018 (OSTST)*, Ponta Delgada, Portugal.

**SCHARFFENBERG, M. G.**, M. HEMMING and D. STAMMER, July 10.-14., 2017, Uncertainty estimates of altimetric Global Mean Sea Level time-series. *International WCRP/IOC Conference 2017, Regional Sea Level Changes and Coastal Impacts*, New York, USA.

**SCHARFFENBERG, M. G.**, A. KÖHL and D. STAMMER, October 31. - November 4., 2016: The influence of assimilation of improved Sea Level data using the GECCO adjoint assimilation approach. *Ocean Surface Topography Science Team Meeting 2016 (OSTST)*, La Rochelle, France.

LEGEAIS, J-F., A. CAZENAVE, G. LARNICOL, M. ABLAIN, J. JOHANNESSEN, **M. G. SCHARFFENBERG**, G. TIMMS, O. ANDERSEN, P. CIPOLLINI, M. ROCA, S. RUDENKO, J. FERNANDES, M. BALMASEDA, G. QUARTLY, L. FENOGLIO-MARC, B. MEYSSIGNAC, and J. BENVENISTE, October 31 - November 4., 2016: A New CCI ECV Release (v2.0) to

accurately Measure the Sea Level Change (1993-2015). *Ocean Surface Topography Science Team Meeting 2016 (OSTST)*, La Rochelle, France.

**SCHARFFENBERG, M. G.**, M. HEMMING and D. STAMMER, April 20., 2016: Uncertainty estimates of altimetric Global Mean Sea Level time-series. *European Geoscience Union 2016 (EGU)*, Vienna, Austria.

LEGEAIS, J-F., A. CAZENAVE, M. ABLAIN, G. LARNICOL, J. BENVENISTE, J. JOHANNESSEN, G. TIMMS, O. ANDERSEN, P. CIPOLLINI, M. ROCA, S. RUDENKO, J. FERNANDES, M. BALMASEDA, G. QUARTLY, L. FENOGLIO-MARC, B. MEYSSIGNAC, and **M. G. SCHARFFENBERG**, April 20., 2016: Accurately measuring sea level change from space: an ESA Climate Change Initiative for MSL closure budget studies. *European Geoscience Union 2016 (EGU)*, Vienna, Austria.

**SCHARFFENBERG, M. G.**, A. KÖHL and D. STAMMER October 20.-23., 2015: Sea Level ECV Quality Assessment via Global Ocean Model Assimilation. *Ocean Surface Topography Science Team Meeting 2015 (OSTST)*, Reston, VA, Germany.

**SCHARFFENBERG, M. G.**, S. BIRI, and D. STAMMER, October 20.-23., 2015: A Probabilistic Description of the Mesoscale Eddy Field of the Ocean. *Ocean Surface Topography Science Team Meeting 2015 (OSTST)*, Reston, VA, USA.

**SCHARFFENBERG, M. G.**, A. KÖHL and D. STAMMER October 27.-31., 2014: Sea Level ECV Quality Assessment via Global Ocean Model Assimilation. *Ocean Surface Topography Science Team Meeting 2014 (OSTST)*, Konstanz, Germany.

WORTHAM C., J. CALLIES J., **M. G. SCHARFFENBERG**, February 23.-28., 2014: Asymmetries between wavenumber spectra of along- and across-track velocity from tandem-mission altimetry. *Ocean Sciences Meeting*, Honolulu, Hawaii USA.

WORTHAM C., J. CALLIES, **M. G. SCHARFFENBERG**, October 08.-11., 2013: Asymmetries between along- and across-track velocity spectra from tandem-mission altimetry. *Ocean Surface Topography Science Team Meeting*, Boulder, Colorado, USA.

**SCHARFFENBERG M. G.**, S. BIRI, and D. STAMMER, October 08.-11., 2013: A Probabilistic Description of the Mesoscale Eddy Field of the Ocean. *Ocean Surface Topography Science Team Meeting*, Boulder, Colorado, USA.

BIRI, S., N. SERRA, **M. G. SCHARFFENBERG**, and D. STAMMER, October 08.-11., 2013: Sea Surface Height Frequency and Wavenumber Spectra in the Atlantic Ocean, estimated from satellite altimetry and a hierarchy of numerical simulations. *Ocean Surface Topography Science Team Meeting*, Boulder, Colorado, USA.

**SCHARFFENBERG, M. G.**, September 23.-25., 2013: Ocean Surface Velocities – looking behind the scenes. *ICYESS 2013, Interdisciplinary Conference of Young Earth System Scientists – Understanding Uncertainty*, Hamburg, Germany.

**SCHARFFENBERG, M. G.**, S. BIRI and D. STAMMER, September 24.-28., 2012: Probability Density Functions and higher order Statistics of Large-Scale Geostrophic Velocity Estimates and Sea Surface Height, as seen from the TOPEX/Poseidon Tandem Mission. *20 Years of Progress in Radar Altimetry Symposium*, Venice, Italy

**SCHARFFENBERG, M. G.** and D. STAMMER, December 13.-17., 2010: Statistical Parameters of the Geostrophic Ocean Flow-Field, estimated from the Jason-1 and TOPEX/Poseidon Tandem Mission. *AGU - Fall Meeting*, San Francisco, USA.

**SCHARFFENBERG, M. G.** and D. STAMMER, October 18.-22., 2010: The Large-Scale Geostrophic Flow-Field and Eddy Variability as seen from the T/P and Jason-1 Tandem Mission, or is the Ocean Flow-Field isotropic? *Altimetry for Oceans and Hydrology - applications Workshop*, Lisbon, Portugal.



**SCHARFFENBERG, M. G.** and D. STAMMER, December 13.-18., 2009: Seasonal variations of large-scale geostrophic currents and Eddy Kinetic Energy inferred from TOPEX/Poseidon – Jason-1 Tandem Mission Data. *AGU Fall Meeting*, San Francisco, USA.

**SCHARFFENBERG, M. G.** and D. STAMMER, October 8.-9., 2009: Seasonal variations of large-scale geostrophic currents and Eddy Kinetic Energy inferred from TOPEX/Poseidon – Jason-1 Tandem Mission Data. *Ocean and Earth System – past, present and future, Northcluster Workshop Series*, Kiel, Germany.

BRATH, M., **M. G. SCHARFFENBERG** and D. STAMMER, June 22.-24., 2009: Altimeter-based Estimates of Eddy Variability and Eddy Momentum Transports in the Subpolar North Atlantic. *Ocean Surface Topography Science Team Meeting*, Seattle, USA.

**SCHARFFENBERG, M. G.**, E. TAGUCHI and D. STAMMER, Juni 22.-24., 2009:  $M_2$  and  $S_2$  currents observed by the Jason-1 - TOPEX/Poseidon parallel track velocity. *Ocean Surface Topography Science Team Meeting*, Seattle, USA.

**SCHARFFENBERG, M. G.** and D. STAMMER, June 22.-24., 2009: Seasonal variations of large-scale geostrophic currents and Eddy Kinetic Energy inferred from TOPEX/Poseidon – Jason-1 Tandem Mission Data. *Ocean Surface Topography Science Team Meeting*, Seattle, USA.

**SCHARFFENBERG, M. G.** and D. STAMMER, March 3.-7., 2008: Annual variations of geostrophic currents and Eddy Kinetic Energy inferred from TOPEX/Poseidon – Jason-1 Tandem Mission Data. *Ocean Sciences Meeting*, Orlando, USA.

STAMMER, D., J. THEISS and **M. G. SCHARFFENBERG**, March 13.-18., 2006: Velocity Statistics interred from the TOPEX/Poseidon-JASON Tandem Mission. *15 Years of progress in Radar Altimetry Symposium*, Venice, Italy.

Kiel, April 27<sup>th</sup>, 2023