

**Education**

- 2018 Ph.D. in Oceanography, Scripps Institution of Oceanography, UC San Diego  
2012 B.Sc (Oceanography) with Honors, University of Washington

**Professional Experience**

- 2018-present Postdoctoral Fellow, University of New South Wales  
2012-2018 Graduate Student Researcher, Scripps Institution of Oceanography  
2010-2012 Student Research and Laboratory Assistant, Prof. Paul Quay, Stable Isotope lab, University of Washington, Department of Oceanography

**Honors and Awards**

- 2012-2013 George Mitchell Fellowship for graduate study at SIO  
2012 Scholar-Athlete award, University of Washington  
2012 Pac-12 Postgraduate Scholarship

**Professional Service**

- 2017-present Reviewer, Nature Climate Change, Geophysical Research Letters, Journal of Geophysical Research: Oceans  
2013-present member, American Geophysical Union

**Publications**

- Ogle, S. E., V. Tamsitt, S. A. Josey, S. T. Gille, I. Cerovečki, L. D. Talley, and R. A. Weller, (2018). Episodic Southern Ocean heat loss and its mixed layer impacts revealed by the furthest south multi-year surface flux mooring, *Geophysical Research Letters* (citations: 0)
- Tamsitt, V., Abernathey, R. P., Mazloff, M. R., Wang, J., & L.D. Talley, (2018). Transformation of deep water masses along Lagrangian upwelling pathways in the Southern Ocean. *Journal of Geophysical Research: Oceans*. (citations: 0)
- Tamsitt, V., Drake, H., Morrison, A. K., Talley, L. D., Dufour, C. O., Gray, A. R., Griffies, S. M., Mazloff, M. R., Sarmiento, J. L., Wang, J. and W. Weijer, (2017). Spiraling pathways of global deep waters to the surface of the Southern Ocean. *Nature Communications*, 8, 172. (citations: 6)
- Alberty, M.S., Billheimer, S., Hamann, M.M., Ou, C.Y., Tamsitt, V., Lucas, A.J., Alford, M.H., (2017). A reflecting, steepening, and breaking internal tide in a submarine canyon. *JGR:Oceans* (citations: 2)
- Tamsitt, V., Talley, L., Mazloff, M. and Cerovečki, I., (2016). Zonal variations in the Southern Ocean heat budget. *J. Climate*, 29(18), 6563-6579 (citations: 11)

## Selected Conference and Workshop Participation

- Tamsitt, V., 2018, L. Talley, and M. Mazloff, 2018. *Structure and dynamics of an Indian Deep Eastern Boundary Current along the southern coast of Australia*, Oral Presentation, Ocean Sciences Meeting, Portland, USA
- Ogle, S., V. Tamsitt, S., Josey, S. Gille, I. Cerovečki, L. Talley, and R. Weller, 2018. *Extreme heat flux events and their impact on Subantarctic Mode Water formation revealed by the Southern Ocean OOI mooring*, Oral Presentation, Ocean Sciences Meeting, Portland, USA
- Tamsitt, V., 2017. *Pathways of upwelling deep waters to the surface of the Southern Ocean*, Oral Presentation, EGU Annual meeting, Vienna, Austria
- Tamsitt, V., 2017. *Pathways of upwelling deep waters to the surface of the Southern Ocean*, Oral Presentation, NCAR Southern Ocean Workshop, Boulder, USA
- Tamsitt, V., L. Talley, and M. Mazloff, 2016. *Connecting sources of circumpolar deep water to the Antarctic continental shelf using lagrangian pathways*, Oral Presentation, AGU Fall meeting, San Francisco, USA
- Tamsitt, V., L. Talley, J. Wang, and M. Mazloff, 2016. *Lagrangian pathways of deep water upwelling in the Southern Ocean State Estimate*, Poster Presentation, Ocean Sciences Meeting, New Orleans, USA
- Tamsitt, V., L. Talley, I. Cerovečki, and M. Mazloff, 2016. *Zonal variations in the Antarctic Circumpolar heat budget*, Invited Poster Presentation, Ocean Sciences Meeting, New Orleans, USA
- Tamsitt, V., L. Talley, I. Cerovečki, and M. Mazloff, 2015. *Southern Ocean State Estimate air-sea heat fluxes and the ACC heat budget*, Oral Presentation, SOOS/WCRP/ESA Air-sea flux Workshop, Frascati, Italy
- Tamsitt, V., L. Talley, I. Cerovečki, and M. Mazloff, 2015. *Zonal variations in the Southern Ocean heat budget*, Oral Presentation, IUGG meeting, Prague, Czech Republic
- Tamsitt, V., L. Talley, and M. Mazloff, 2014, *Southern Ocean air-sea heat flux, SST spatial anomalies, and implications for multi-decadal upper ocean heat content trends*. Poster Presentation, CLIVAR Southern Ocean heat and carbon uptake Workshop, San Francisco, CA
- Tamsitt, V., L. Talley, and M. Mazloff, 2014, *Heat gain in the Southern Ocean: regional heat budgets using the Southern Ocean State Estimate*, Poster Presentation, Ocean Sciences Meeting, Honolulu Hawaii.

## Teaching Experience

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| 2015-2018 | Research mentor, undergraduate student, Southern Ocean air-sea heat flux project (resulting in publication Ogle et al. 2018)    |
| 2015-2017 | Instructor, UCSD Academic Connections Global Environmental Leadership and Sustainability Program, San Diego and Washington D.C. |
| 2012      | Teaching Assistant (UW), <i>Introduction to Oceanography Lab</i> , Professor:   |

2011 Susan Hautala  
Teaching Assistant (UW), *Oceanography of the Pacific Northwest*, Professor:  
Mikelle Nuwer

**Sea-going Experience**

July 2016 Chief Scientist, San Diego Bay: *GOTO:SEE*, R/V Sproul, (2 DAS)

Dec 2015 - Jan 2016 CTD samples and float deployments, data analysis, Southern Ocean: *OOI Southern Ocean II*. R/V Palmer, Chief Scientist: Sebastien Bigorre (WHOI). (30 DAS)

Dec 2015 CTD watchstander, co-PI, Southern California coast: *LaJIT experiment*. R/V Sproul, Chief Scientist: Matthew Alford (SIO). (3 DAS)

Mar – May 2014 CTD watchstander, South Pacific: *U.S. Repeat Hydrography section P16S*. R/V Palmer, Chief scientist: Lynne Talley (SIO). (48 DAS)

April 2012 CTD watchstander, Nitrous Oxide analyst, Eastern tropical North Pacific: *Control of Denitrification and Anammox in Oxygen Minimum Zones (OMZs)*, R/V Thompson, Chief Scientist: Allan Devol (UW). (10 DAS)