

CURRICULUM VITAE

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Education:

Griffith University, QLD, Australia; B.Sc. (First Class Honours), Environmental Science, 1985
University of Sydney, NSW, Australia; M.Sc., Physical Oceanography, 1988
University of Sydney, NSW, Australia; Ph.D., Physical Oceanography, 1992

Professional Appointments:

Research Oceanographer, Scripps Institution of Oceanography, 2007 – present
Senior Lecturer, Scripps Institution of Oceanography, 2007 – present
Associate Research Oceanographer, Scripps Institution of Oceanography, 2001 – 2007
Assistant Research Oceanographer, Scripps Institution of Oceanography, 1995 – 2001
JIMO Postdoctoral Fellow, Scripps Institution of Oceanography, 1993-1995.
Postdoctoral Associate, NOAA-PMEL Seattle, 1992-1993.

Awards and Distinctions:

2021: American Meteorological Society Fellow
2015: Post Rouge Fellowship, Scientific Board of the Midi-Pyrenees Observatory, LEGOS, Toulouse, France.
2015: United States Antarctic Service Medal
2013: Marie Tharp Visiting Fellowship, Lamont Doherty Earth Observatory, Columbia University, New York, NY
1992-1993: National Research Council (NRC) Postdoctoral Fellowship Award, Seattle, WA

Memberships:

American Geophysical Union, 1990 - present.
The Oceanography Society, 2009 - present
American Meteorological Society, 1997 – 2000; 2017 - present.

Publications:

Students and postdocs are underlined.

1. **Sprintall, J.**, A. Biastoch, L. Gruenbug, and H. Phillips (2020). Inter-ocean connections in the Indian Ocean, in *The Indian Ocean and its role in the global climate system*, C. Ummenhofer and R. Hood (eds). In preparation
2. Anutaliya, A., U. Send, McClean, J.L., **J. Sprintall**. (2020). Seasonal and year-to-year variability of boundary currents and eddy salt flux along the Sri Lankan eastern and southern coasts observed by PIES and satellite measurements, *Journal of Physical Oceanography*. In preparation
3. Gernineaud, C., S. Cravatte, **J. Sprintall**, M. S. Albery, M. Grenier and A. Ganachaud (2020). Deep Pacific Circulation: new insights on pathways through the Solomon Sea, *Deep-sea Research*, submitted (December 2020).
4. Power, S., M. Lengaigne, A. Capotondi, S. McGregor, M. Khodri, J. Vialard, J-S. Kug, B. Jebri, M. Newman, M. McPhaden, G. Meehl, D. Smith, J. Cole, M. Collins, E. Guilyardi, G.-I. Kim, W. Cai, Y. Okumura, F. Delage, K. Cobb, C. Chung, A. Wittenberg, P. Braconnot, J. Cretat, R. Garreaud, A. Levine, Y. Planon, J. Emile-Geay, R. Séférian, F. Zhu, R. Colman, **J. Sprintall**, D. Vimont, G. Wang, X. Zhang, J.-J. Luo, X. Lin, M. Balmaseda, V. V. Kharin, G. Boer, G. Liguori, E. Di Lorenzo, B. Henley, 2020, A review of decadal climate variability in the tropical Pacific: characteristics, causes, predictability and prospects, *Science*, submitted (December 2019)
5. Zhang, X., **J. Sprintall** and L. Zeng (2020), What role does the barrier layer play in during extreme ENSO events? *Journal of Geophysical Research-Oceans*, submitted (November 2020).
6. Ummenhofer C.C, S.A. Murty, **J. Sprintall**, T. Lee, N. Abram (2020), Intensifying water and energy cycles over the Indian Ocean region. *Nature Reviews Earth and Environment*, in revision (November 2020)
7. Katsura, S., **J. Sprintall** and F. Bingham (2020). Upper ocean stratification in the eastern Pacific during the SPURS-2 Field Campaign. *J. Geophysical Research-Oceans*, in revision (November 2020).
8. Sobel A., **J. Sprintall**, E. Maloney, Z.K. Martin, S. Wang, S. de Szoeko, B. Trabling and S. Rutledge (2020). Large-scale state and evolution of the atmosphere and ocean during PISTON 2018, *J. Climate*, in revision (November 2020)
9. Zang, N., **J. Sprintall**, R. Jenny and F. Wang (2020). Seasonality of the Somali Current/Undercurrent System. *Deep-sea Res. Part II*, in revision (July 2020)

10. Bingham, F.M., Z. Li, S. Katsura and **J. Sprintall** (2020). Barrier layers observed in a high-resolution model in the eastern tropical Pacific. *J. Geophysical Research-Oceans*, doi: 10.1029/2020JC016643
11. **Sprintall, J.**, V.J. Coles, K. A. Reed, A. Butler, G.R. Foltz, S.G. Penny and H. Seo (2020). Best Practice Strategies for Process Studies Designed to Improve Climate Modeling, *Bulletin of American Meteorology*. **101** (10): E1842–E1850, <https://doi.org/10.1175/BAMS-D-19-0263.1>
12. **Sprintall, J.**, Cravatte, S., Dewitte, B., Du, Y. and Gupta, A.S. (2020). ENSO Oceanic Teleconnections. In *El Niño Southern Oscillation in a Changing Climate* (eds M.J. McPhaden, A. Santoso and W. Cai). <https://doi.org/10.1002/9781119548164.ch15>
13. Gutierrez-Villanueva, M.O., T. Chereskin, **J. Sprintall** (2020). Upper-ocean eddy heat fluxes across the Antarctic Circumpolar Current in Drake Passage from observations: time mean and seasonal variability, *Journal of Physical Oceanography*, 50:9, 10.1175/JPO-D-19-0266.1
14. Hu, S., **J. Sprintall**, C. Guan, D. Hu, F. Wang, X. Lu and S. Li (2020). A triple mode of thermocline salinity variability in the tropical Pacific Ocean observed during 2004–2018. *Journal of Geophysical Research – Oceans*. 125, e2020JC016210, <https://doi.org/10.1029/2020JC016210>
15. Hu D., Wang F., **Sprintall J.**, Wu L., Riser S., Cravatte S., Gordon A. Zhang L., Chen D., Zhou H., Ando K., Wang J., Lee J.-H., Hu S., Wang J., Zhang D., Feng J., Liu L., Villanoy C., Kaluwin C., Qu T., Ma Y. (2020). Review on observational studies of western tropical Pacific Ocean circulation and climate. *Journal of Oceanology and Limnology*, 10.1007/s00343-020-0240-1.
16. Zang, N., F. Wang, **J. Sprintall** (2020). The Intermediate Water in the Philippine Sea. *Journal of Oceanology and Limnology*, 10.1007/s00343-020-0035-4
17. Katsura, S. and **J. Sprintall** (2020). Seasonality and formation of barrier layers and associated temperature inversions in the Eastern Tropical North Pacific. *Journal of Physical Oceanography*. **50**, 791–808, <https://doi.org/10.1175/JPO-D-19-0194.1>
18. Hu, S., **J. Sprintall**, C. Guan, M. J. McPhaden, F. Wang, D. Hu, and W. Cai (2020). Deep-reaching acceleration of global mean ocean circulation over the past two decades, *Science Advances*, 6, doi: eaax7727.
19. Anutaliya, A., Send, U., **Sprintall, J.**, McClean, J. L., Lankhorst, M., & Koelling, J. (2019). Mooring and seafloor pressure end point measurements at the southern entrance of the Solomon Sea: Subseasonal to interannual flow variability. *Journal of Geophysical Research: Oceans*, 124(7), 5085-5104. doi: 10.1029/2019jc015157

20. Hu, S., Y. Zhang, M. Feng, Y. Du, **J. Sprintall**, F. Wang, D. Hu, Q. Xie, and F. Chai (2019), Interannual to decadal variability of Indian Ocean salinity and the role of the Indonesian Throughflow from observations and assimilations, *Journal of Climate*, 32(19), 6403 – 6421
21. Todd R.E., Chavez F. P., Clayton S., Cravatte S., Goes M., Graco M., Lin X., **Sprintall J.**, Zilberman N. V., Archer M., Arístegui J., Balmaseda M., Bane J. M., Baringer M. O., Barth J. A., Beal L. M., Brandt P., Calil P. H. R., Campos E., Centurioni L. R., Chidichimo M. P., Cirano M., Cronin M. F., Curchitser E. N., Davis R. E., Dengler M., deYoung B., Dong S., Escribano R., Fassbender A. J., Fawcett S. E., Feng M., Goni G. J., Gray A. R., Gutiérrez D., Hebert D., Hummels R., Ito S., Krug M., Lacan F., Laurindo L., Lazar A., Lee C. M., Lengaigne M., Levine N. M., Middleton J., Montes I., Muglia M., Nagai T., Palevsky H. I., Palter J. B., Phillips H. E., Piola A., Plueddemann A. J., Qiu B., Rodrigues R. R., Roughan M., Rudnick D. L., Rykaczewski R. R., Saraceno M., Seim H., Gupta A. Sen, Shannon L., Sloyan B. M., Sutton A. J., Thompson L., Plas A. K. van der, Volkov D., Wilkin J., Zhang D., Zhang L., (2019). Global Perspectives on Observing Ocean Boundary Current Systems, *Frontiers in Marine Science*, 6:423, <http://doi.org/10.3389/fmars.2019.00423>
22. **Sprintall, J.** A. L. Gordon, S. E. Wijffels, M. Feng, S. Hu, A. Koch-Larrouy, H. E. Phillips, D. Nugroho, A. Napitu, K. Pujiana, R. Dwi Susanto, B. M. Sloyan, B. Peña-Molino, D. Yuan, N. Florida Riama, S. Siswanto, A. Kuswardani, Z. Arifin, A. J. Wahyudi, H. Zhou, T. Nagai, J. Kojo Ansong, R. Bourdalle-Badie, J. Chanut, F. Lyard, B. K. Arbic, A. Ramdhani, A. Setiawan, (2019). Detecting Change in the Indonesian Seas, *Frontiers in Marine Science*. doi: 10.3389/fmars.2019.00257
23. Alberdy, M., **Sprintall, J.**, MacKinnon, J., Gernineaud, C., Cravatte, S., & Ganachaud, A., (2019). Moored Observations of Transport in the Solomon Sea. *Journal of Geophysical Research: Oceans*, 124. <https://doi.org/10.1029/2019JC015143>
24. Makarim, S., **J. Sprintall**, Z. Liu, W. Yu, A. Santoso, X-H Yan, and R. D. Susanto, 2019. Previously unidentified Indonesian Throughflow pathways and freshening in the Indian Ocean during recent decades, *Nature Geosciences*, 10.1038/s41598-019-43841-z
25. Drushka, K., W. Asher, **J. Sprintall**, S. Gille, C. Hoang, 2019. Global patterns of submesoscale surface salinity variability, *Journal of Physical Oceanography*. 49(7), 1669-1685. doi: 10.1175/jpo-d-19-0018.1
26. Freeman, N. M., D. R. Munro, **J. Sprintall**, M. R. Mazloff, S. Purkey, I. Rosso, C. A. DeRanek, and Sweeney, 2019. The observed seasonal cycle of macronutrients in Drake Passage: relationship to fronts and utility as a model metric. *Journal of Geophysical Research*, **124**, 10.1029/2019JC015052
27. Goni G.J., **J. Sprintall**, F. Bringas, L. Cheng, M. Cirano, S. Dong, R. Domingues, M. Goes, H. Lopez, R. Morrow, U. Rivero, T. Rossby, R. Todd, J. Trinanes, N. Zilberman, M. Baringer, T. Boyer, R. Cowley, C. Domingues, K. Hutchinson, M. Kramp, M. Mata, F. Reseghetti, C. Sun, U. Bhaskar

TVS, D. Volkov, 2019: More than 50 years of successful continuous temperature section measurements by the Global Expendable Bathythermograph Network, its integrability, societal benefits, and future, *Frontiers in Marine Science*, <https://doi.org/10.3389/fmars.2019.00452>

28. Lee, T., Fournier, S., Gordon, A. L. and **Sprintall, J.**, 2019. Maritime Continent water cycle regulates low-latitude chokepoint of global ocean circulation, *Nature Geosciences*, 10:1, 10.1038/s41467-019-10109-z

29. Hu, X., **J. Sprintall**, D. Yuan, B. Tranchant, P. Gaspar, A. Koch-Larrouy, G. Reffray, X. Li, Z. Wang, Y. Li, D. Nugroho, C. Corvianawatie and D. Surinati. 2019. Interannual variability of the Sulawesi Sea circulation forced by Indo-Pacific planetary waves, *Journal of Geophysical Research - Oceans*, DOI: 10.1029/2018JC014356

30. Smith, N, Kessler WS, Cravatte S, **Sprintall J**, Wijffels S, Cronin MF, Sutton A, Serra YL, Dewitte B, Strutton PG, Hill K, Sen Gupta A, Lin XP, Takahashi K, Chen DK, Brunner S. 2019. Tropical Pacific Observing System. *Frontiers in Marine Science*. 6, 10.3389/fmars.2019.00031

31. **Sprintall J.**, Cronin M. F. and T. Farrar J. (2019) Upper Ocean Vertical Structure. In Cochran, J. Kirk; Bokuniewicz, J. Henry; Yager, L. Patricia (Eds.) *Encyclopedia of Ocean Sciences*, 3rd Edition. vol. 1, pp. 97-104, Elsevier. ISBN: 978-0-12-813081-0

32. Hu, S., **J. Sprintall**, C. Guan, B. Sun, F. Wang, G. Yang, F. Jia, J. Wang, D. Hu and F. Chai. (2018) Spatio-temporal features of intra-seasonal oceanic variability in the Philippine Sea from Mooring Observations and Numerical Simulations, *Journal of Geophysical Research – Oceans*. DOI:10.1029/2017JC013653

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34. Delman, A.S., J. L. McClean, **J. Sprintall**, L. D. Talley, and F. O. Bryan. (2018). Process-specific contributions to anomalous Java mixed layer cooling during positive IOD events, *Journal of Geophysical Research – Oceans*. doi: 10.1029/2017JC013749

35. Ruan, X.Z., Thompson A.F., Flexas M.M., **Sprintall J.** (2017). Contribution of topographically generated submesoscale turbulence to Southern Ocean overturning. *Nature Geoscience*. 10:840, 10.1038/ngeo3053

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41. Cuypers, Y., Pous S., **Sprintall J.**, Atmadipoera A, Madec G, and Molcard R. 2017. Deep circulation driven by strong vertical mixing in the Timor Basin. *Ocean Dynamics*. 67:191-209. 10.1007/s10236-016-1019-y
42. Cheng, L. J., Abraham, J., Goni, G., Boyer, T., Wijffels, S., Cowley, R., V. Gouretski, F. Reseghetti, S. Kizu, S. Dong, F. Bringas, M. Goes, L. Houpert, **J. Sprintall** and Zhu, J. (2016). XBT science: Assessment of instrumental biases and errors. *Bulletin of the American Meteorological Society*, 97(6), 923-934. doi: 10.1175/bams-d-15-00031.1
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Report Contributions:

Kessler, W.S., S. E. Wijffels, S. Cravatte, N. Smith, and Lead Authors, 2019: Second Report of TPOS 2020. GOOS-234, 265 pp. [Available online at <http://tpos2020.org/second-report/>.]

Feng, M., J. Sprintall, R. Cowley, 2019: The XBT network in “IndOOS-2: A roadmap to sustained observations of the Indian Ocean for 2020-2030”, Lisa M. Beal, Jerome Vialard, Mathew K. Roxy (editors), CLIVAR-4/2019, GOOS-237, 206 pp., doi: <https://doi.org/10.36071/clivar.rp.4.2019>

Cravatte, S., W. S. Kessler, N. Smith, S. E. Wijffels, and Contributing Authors, 2016: First Report of TPOS 2020. GOOS-215, 200 pp. [Available online at <http://tpos2020.org/first-report/>.]

Professional Activities:

- Physical Oceanography Secretary, American Geophysical Union (AGU), 2019 – present
- Deputy Co-Chair, North Pacific Ocean Circulation Experiment (NPOCE), 2019 - present
- Member, International Indian Ocean Experiment II, U.S. Planning Committee, 2020 - present
- Co-organizer, Gateways to the Ocean Workshop, SIO, February 2020.
- Member, GOOS Ocean Observations Physics and Climate Panel (OOPC) Boundary Currents and Shelf Sea Interactions Task Team, 2019 – present.
- Ocean Sciences Representative, AGU Fall Meeting Planning Committee, 2020
- Member, AGU EOS Section Panel Adviser, 2019 - present
- Editor, AGU Geophysical Research Letters, 2017 – present
- Member, Journal of Geophysical Research Editor in Chief search committee, 2020
- Co-leader, Mentoring Physical Oceanography Women to Increase Retention, 2010 – 2013; 2015 – present
- Member, IQuOD Science Steering Committee, 2018 – present
- Member, Rolling Deck to Repository (R2R) Advisory Committee, 2016 - present
- Co-Chair, Western Pacific Team, Tropical Pacific Observing System-2020, 2016 – present
- Member, Backbone Task Team, Tropical Pacific Observing System-2020, 2015 – present
- Co-Chair, SOOP XBT Science Team, 2011 – present
- Ocean Sciences Representative, AGU Fall Meeting Planning Committee, 2019
- Member, U.S. CLIVAR Process Study – Model Improvement (PSMI) Panel, 2016 – 2019
- Member, International CLIVAR Pacific Panel, 2016 – 2019
- Invited Senior Scientist, Patullo Conference, Sponsored by MPOWIR, 2011; 2013; 2015
- Member, Scientific Steering and Organizing Committee, 2nd International Ocean Research Conference, Barcelona, November 2014
- Physical Oceanography Representative, The Oceanography Society Council, 2012 – 2014
- Co-Chair, CLIVAR Indonesian Throughflow Task Team, 2012 – 2014
- Co-Chair, Executive Committee of the US CLIVAR Science Steering Committee, 2012 – 2014
- Invited Speaker, Physical Oceanography Dissertation Symposium (PODS), Hawaii, 2012
- Member, Antarctic Research Vessels Oversight Committee, 2006-2010.
- Ongoing frequent reviewer for journals JGR-Oceans, Geophysical Research Letters, Biogeosciences, Nature, Journal of Physical Oceanography, Journal of Climate, Frontiers in Marine Science, Deep-sea Research, JGR-Atmosphere, TOS, Nature Communications
- Ongoing frequent reviewer for NSF OCE proposals.
- Panelist for NASA Physical Oceanography (2013), Ocean Surface Topography (2004, 2016) and Salinity Science Teams (2010, 2018)
- Panelist for NOAA Climate Variability Program (2019)
- Panelist for National Science Foundation (2000, 2004, 2006)
- Reviewer of ship time proposals to Australian National Facilities including the R/V Franklin, R/V Southern Surveyor and R/V Investigator
- Ongoing convener and session chair at Ocean Sciences (2012 – present); AGU Fall Meeting (2014 – present)

SIO/UCSD Service

- Member, SIO CAP, 2020 – present
- Chair, SIO Editorial and Publications Committee, 2020
- Member, SIO Editorial and Publications Committee, 2019 - present
- Chair, SIO Marine Operations Committee, 2016 – 2018
- Member, SIO Marine Operations Committee, 2007 – 2010; 2014 – 2020
- Member, SIO Heritage Committee, 2012 – present
- Member, SIO Hydraulics Committee, 2014 – 2018
- Numerous Ad Hoc committees for CASPO, SIO.
- Member, SIO Search Committee for Hydrology Faculty Position, 2019
- Member, SIO Educational Policy Committee, 2018-2019
- Member, SIO Search Committee for Coastal Lectureship, 2013
- Member, Committee on Future Planning for the SIO Research Series, 2015

Selective Sea-Time

- August 2018, PISTON, R/V Thompson, hydrography, tropical western Pacific Ocean
- October–November 2017, NASA SPURS-2 cruise, hydrography, *R/V Revelle*, tropical eastern Pacific Ocean
- August - September 2016, NASA SPURS-2 cruise, hydrography, *R/V Revelle*, tropical eastern Pacific Ocean
- April – May 2015, ChinSTRAP, *USAP L.M. Gould*, hydrography/AUVs, Drake Passage, Antarctica, Chief Scientist
- February 2014, SPICE, *R/V Thompson*, Moorings, Solomon Sea, Western Tropical Pacific, Chief Scientist
- July 2012, SPICE, *R/V L'Atalante*, Moorings, Solomon Sea, Western Tropical Pacific
- March 2009, PhilEx, *R/V Melville*, Moorings, Sulu Sea, Philippines
- December 2007, PhilEx, *R/V Melville*, Moorings, Sulu Sea, Philippines
- February 2007, WOCE I9-N, *R/V Revelle*, Hydrography, Fremantle – Phuket, Indian Ocean, Chief Scientist
- December 2006, INSTANT, *R/V Baruna Jaya I*, Moorings, Nusa Tenggara, Indonesia, Chief Scientist
- June 2005, INSTANT, *R/V Baruna Jaya I*, Moorings, Nusa Tenggara, Indonesia, Chief Scientist
- December 2003, INSTANT, *R/V Baruna Jaya IV*, Moorings, Nusa Tenggara, Indonesia, Chief Scientist
- August 2003, INSTANT, *R/V Southern Surveyor*, Moorings/pressure gauges/Hydrography, Timor Leste and Ashmore Reef
- August 2001, EPIC, *R/V Revelle*, Hydrography, Eastern tropical Pacific Ocean.
- November 1999, SPGA, *R/V Baruna Jaya VIII*, pressure gauges, Nusa Tenggara, Indonesia, Chief Scientist

- August 1998, SPGA, *R/V Baruna Jaya VIII*, pressure gauges, Nusa Tenggara, Indonesia, Chief Scientist
- August 1997, SPGA, *R/V Baruna Jaya IV*, pressure gauges, Nusa Tenggara, Indonesia, Chief Scientist

Mentors and Mentoring:

Graduate Advisor:

Prof. Matthias Tomczak (deceased)

Post-doctoral Advisors:

Dr. Michael J. McPhaden (NOAA-PMEL, Seattle);

Prof. Dean Roemmich (SIO-UCSD)

SIO Graduate Students supervised:

Yueng D. Lenn (PhD, committee member, graduated 2006, now at U. Bangor);

Andrew Thompson (PhD, committee member, graduated 2006, now at CalTech);

Kyla Drushka (PhD, co-advisor with S. Gille, graduated 2011, now at APL/UW);

Gordon Stephenson (PhD, co-advisor with S. Gille, graduated 2013, now at NRL);

Yvonne Firing (PhD, committee member, graduated 2013, now at IOC Southampton);

Geoffrey Gearheart (PhD, co-advisor with G. Kooyman, graduated 2014, now at U. QLD);

Riley Gammon (PhD, committee member, graduated 2015, now at USGS)

Andrew Delman (PhD, co-advisor with J. McClean and L. Talley, graduated 2015, now at JPL);

Marion Albery (PhD, co-advisor with J. MacKinnon, graduated 2018, now at Princeton U.);

Mariela Brooks (PhD, committee member, graduated 2019)

Arachaporn “Waen” Anutaliya (PhD, co-advisor with U. Send and J. McClean, graduated 2019, now at Burapha University, Thailand)

Manuel Guitierrez Villanueva (PhD, co-advisor with T. Chereskin, 2016-present)

Olavo Badaro-Marques (PhD, committee member, 2018 – present)

Noel Brizuela (PhD, committee member, 2018 – present)

Mitchell Chandler (PhD, co-advisor with N. Zilberman, 2020 – present)

External Graduate Students Advised

PhD Candidate: Ms. Ajda Savarin, committee member, U. Washington, 2018-present

PhD Candidate: Ms. Salviente Makarim, committee member, Xiaomen Uni, China, 2018-present

PhD Candidate: Dr. Giuliana Viglione, co-advised with A. Thompson, CalTech, 2017 – 2019

PhD Candidate: Dr. Cyril Germineaud, co-advised with A. Ganachaud and S. Cravatte, LEGOS, France, University of Toulouse, France, 2014 – 2016

PhD Candidate: Dr. Xiaoyue Hu, visiting student, IOCAS, China, 2017

MSc Candidate: Mr. Remi lenny, visiting student, University Marseille, France, 2016

MSc Candidate: Ms. Yona Silvy, visiting student, ENSTA ParisTech University, France, 2016

MSc Candidate: Dr. Adele Revelard, visiting student, L’Ocean, France, 2014.

External reviewer for PhD thesis of Dr. Dwiyooga Nugroho, University of Toulouse, France (2017)

External reviewer for MSc thesis of Ms. Lydia Keppler, University of the South Pacific, Fiji (2017)

Postdocs supervised:

Shenfu Dong (2004-2007, with S. Gille, now at CIMAS, NOAA-AOML);

Alexa Griesel (2005-2009, with S. Gille and J. McClean, now at U. Hamburg);

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Kyla Drushka (2013-2014, with S. Gille, now at APL/UW);

Shijian Hu (2015-2016, now at IOCAS, China);

Ru Chen (2016-2017, with S. Gille and J. McClean, now at JPL);

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Shota Katsura (2019-present)