

Mr. Shawn R. Smith

Senior Research Associate: Meteorologist

Center for Ocean Atmospheric Prediction Studies (COAPS)
The Florida State University, P.O. Box 3062741, Tallahassee, FL 32306-2741 USA
ph: (850) 644-6918 fax: (850) 644-4841 email: smith@coaps.fsu.edu

Education:

Master of Science: *Meteorology*, December 1991, University of Wisconsin, Madison, WI
Thesis: Antarctic Climate Anomalies Associated with the Minimum of the Southern Oscillation Index.

Advisor: Professor Charles R. Stearns

Bachelor of Science: *Earth Science*, June 1989, High Honor, Lyman Briggs School, Michigan State University, East Lansing, MI

Thesis: A Climatological and Impact Study of Heavy Rain Events in the Lower Peninsula of Michigan.

Advisor: Professor Jay Harman

Professional Experience:

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| Florida State University: Senior Research Associate | 08/2008 - present |
| Florida State University: Associate in Research | 10/2000 – 08/2008 |
| Florida State University: Assistant in Research | 07/1994 - 10/2000 |
| Ohio State University: Research Associate | 07/1992 - 06/1994 |
| University of Wisconsin: Research Assistant | 01/1992 - 06/1992 |
| University of Wisconsin: Graduate Research Asst. | 08/1989 - 12/1991 |

Field Experience:

- Byrd Polar Research Center in conjunction with the U.S. Antarctic Program and the NSF, October to December 1992. Coordinated science, logistics, and personnel for a 9-week remote field study of the Antarctic boundary layer using surface based wind (Sodar) and temperature (RASS) profilers, surface instruments, and radiosondes.
- University of Wisconsin in conjunction with the U.S. Antarctic Program and the NSF, January 1991. Installed and repaired automated weather stations in Antarctica.

Professional Membership: American Geophysical Union

Other Professional Activities:

- Director – COAPS Marine Data Center, home of the Shipboard Automated Meteorological and Oceanographic System (SAMOS) Initiative [https://samos.coaps.fsu.edu/] - 2005-present
- JCOMM Ship Observation Team (SOT) – Vice Chairman (acting chair Mar-Oct 2017) – 2017-2020
- JCOMM Expert Team on Marine Climatology task team on the Marine Climate Data System – Member (2011-2019)
- JCOMM SOT task team on Instrument Standards and Satellite Systems – Member (2009-present)

- Federation of Earth Science Information Partners (ESIP) – Voting Member (2015-present)
- ESIP Partnership Committee – Member (2019)

Reviewer: *Climate Dynamics, J. Climate, Int. J. Climatology, Mon. Wea. Rev., J. Atmos. Ocean. Technol., Bull. Amer. Meteor. Soc., Atmospheric Science Letters, Frontiers, NSF, NOAA*

Professional Development Activities:

3 November 2016 – Facilitator for a short course focused on how to submit SAMOS observations using NOAA’s Scientific Computer System (SCS) software. The training was held during the 2016 UNOLS RVTEC meeting in La Jolla, CA. ~10 marine technicians attended.

18-19 November 2014 – Facilitator for a short course on automated, underway, marine meteorological observation. Presented three lessons and one demonstration focused on training in-service marine technicians attending INMARTECH 2014 in Corvallis, OR. ~20 marine technicians attended.

4-5 March 2013 – Facilitator for Ask Florida middle school teacher workshop on climate change. Presented materials and activities related to sinkholes and FL climate, participated on “Ask a Scientist Panel”, and reviewed climate change lessons prepared by teachers. 25 middle school teachers attended.

16-19 July 2012 – Facilitator for Ask Florida middle school teacher workshop on climate change. Presented materials and activities related to ENSO and Florida weather/climate, evaluating on-line resources, fact vs. opinion, and causes of climate change. 25 middle school teachers attended.

2-3 March 2012 – Facilitator for Ask Florida middle school teacher workshop on climate change. Presented materials and activities related to sinkholes and FL climate, participated on “Ask a Scientist Panel”, and reviewed climate change lessons prepared by teachers. 12 middle school teachers attended.

20 January 2012 – Facilitator for a short course on automated, underway, marine meteorological observation. Presented as part of the 2012 marine technicians refresher course sponsored by NOAA in Newport, Oregon. 28 marine technicians attended.

18 November 2011 – Facilitator for a short course on automated, underway, marine meteorological observation. Presented at the 2011 Research Vessel Technical Enhancement Committee (RVTEC) annual meeting in New Orleans. The training covered basics of marine meteorology, instrument exposure on vessels, common problems encountered, adjusting measurements for instrument height, and data quality assurance and quality control. 16 marine technicians attended.

18-21 July 2011 – Facilitator for Ask Florida middle school teacher workshop on climate change. Presented materials and activities related to ENSO and Florida weather/climate, evaluating on-line resources, fact vs. opinion, and causes of climate change. 16 middle school teachers attended.

Thesis/Project Committees:

- April 2021 – Ms. Rebecca Beal, BS thesis, Meteorology. Changes in equatorial Atlantic ocean surface wind patterns associated with a climate index based on historical ship observations.
- December 2019 – Mr. Ethan Wright, MS thesis, Meteorology. Characterizing buoy wind speed error in extreme conditions through a comparison with scatterometers and ERA5 Reanalysis
- August 2019 – Mr. Camill Folsom, MS project, Computer Science. Shipboard Automated Meteorological and Oceanographic System: Merger Program Re-Write.
- August 2017 – Mr. Adam Stallard, MS thesis, Computer Science, Comparing SAMOS Document Search Performance Between Apache Solr and Neo4j.

- August 2016 – Mr. Keqiao Li, MS thesis, Meteorology. Adjustment of Visually Observed Ship Winds (Beaufort Winds) in ICOADS.
- December 2014 – Mr. Nkemderim Dockery, MS project, Computer Science. Enhanced Search and Vocabulary Access for the Shipboard Automated Meteorological and Oceanographic System (SAMOS) using the Semantic Web Stack.
- April 2014 – Ms. Alexandra Keclik, BS thesis, Meteorology. The Accuracy of the National Hurricane Center’s United States Tropical Cyclone Landfall Forecasts in the Atlantic Basin (2004–2012).
- January 2012 – Mr. Geoff Montee, MS project, Computer Science, SAMOS 2.0: High resolution meteorological and oceanographic data processing.
- September 2010 – Ms. Jackie May, MS thesis, Meteorology, Quantifying variance due to temporal and spatial difference between ship and satellite winds.
- September 2009 – Mr. Jacob Rettig, MS project, Computer Science, SAMOS/NGI data management system

Refereed Publications:

- Smith, S. R.**, R. Richardson, J.P. Stow, M. A. Bourassa, and H. McMillan, 2021: Developing century-scale wind component indices. *Frontiers in Earth Science: Atmospheric Science*, in review.
- Smith, S. R.**, M. A. Bourassa, J. Elya, T. Huang, K. M. Gill, F. R. Greguska, N. Quach, V. Tsontos, B. Holt, S. Worley, and Z. Ji, 2021: The Distributed Oceanographic Match-Up Service. *Big Earth Data Analytics in Earth, Atmospheric, and Ocean Sciences*, T. Vance, T. Huang, C. Lynnes, and C. Yang, Eds., Wiley, in press.
- Smith, S. R.**, G. Alory, A. Andersson, W. Asher, A. Baker, D. I. Berry, K. Drushka, D. Figurskey, E. Freeman, P. Holthus, T. Jickells, H. Kleta, E. C. Kent, N. Kolodziejczyk, M. Kramp, Z. Loh, P. Poli, U. Schuster, E. Steventon, S. Swart, O. Tarasova, L. Petit de la Villéon, and N. Vinogradova-Shiffer, 2019: Ship-Based contributions to global ocean, weather, and climate observing systems. *Frontiers in Marine Science*, 6:434. <https://doi.org/10.3389/fmars.2019.00434>
- Kent, E. C., N. A. Rayner, D. I. Berry, R. Eastman, V. G. Grigorieva, B. Huang, J. J. Kennedy, **S. R. Smith**, and K. M. Willett, 2019: Observing requirements for long-term climate records at the ocean surface. *Frontiers in Marine Science*, 6:411. <https://doi.org/10.3389/fmars.2019.00441>
- Freeman, E., E. C. Kent, P. Brohan, T. Cram, L. Gates, B. Huang, C. Liu, **S. R. Smith**, S. J. Worley, H.-M. Zhang, 2019: The international comprehensive ocean-atmosphere data set – meeting user needs and future priorities. *Frontiers in Marine Science*, 6:435. <https://doi.org/10.3389/fmars.2019.00435>
- Armstrong, E. M., M. A. Bourassa, T. Cram, J. Elya, F. R. Greguska III, T. Huang, J. C. Jacob, Z. Ji, Y. Jiang, Y. Li, N. Quach, L. McGibbney, **S. R. Smith**, V. Tsontos, B. Wilson, S. J. Worley, and C. Yang, 2019: An integrated data analytics platform. *Frontiers in Marine Science*, 6:354. <https://doi.org/10.3389/fmars.2019.00354>
- Smith, S. R.**, K. Briggs, M. A. Bourassa, J. Elya, and C. R. Paver, 2018: Shipboard automated meteorological and oceanographic system data archive: 2005–2017. *Geosci Data J.*, 5, 73–86. <https://doi.org/10.1002/gdj3.59>
- Bentamy, A., J. F. Piollé, A. Grouazel, R. Danielson, S. Gulev, F. Paul, H. Azelmat, P. P. Mathieu, K. von Schuckmann, S. Sathyendranath, H. Evers-King, I. Esau, J. A. Johannessen, C. A. Clayson, R. T. Pinker, S. A. Grodsky, M. Bourassa, **S. R. Smith**, K. Haines, M. Valdivieso, C. J. Merchant, B. Chapron, A. Anderson, R. Hollmann, S. A. Josey, 2017: Review and Assessment of Latent and Sensible Heat Flux Accuracy over the Global Oceans. *Remote Sensing of Environment*, 201, 196-218. Doi: 10.1016/j.rse.2017.08.016

- Freeman, E., S. D. Woodruff, S. J. Worley, S. J. Lubker, E. C. Kent, W. E. Angel, D. I. Berry, P. Brohan, R. Eastman, L. Gates, W. Gloeden, Z. Ji, J. Lawrimore, N. A. Rayner, G. Rosenhagen, and **S. R. Smith**, 2017: ICOADS Release 3.0: a major update to the historical marine climate record. *Int. J. Climatol.*, **37**, 2211–2232. doi:10.1002/joc.4775
- Smith, S. R.**, N. Lopez, and M. A. Bourassa, 2016: SAMOS air-sea fluxes: 2005-2014. *Geoscience Data Journal*. <https://doi.org/10.1002/gdj3.34>
- Smith, S. R.**, K. Briggs, N. Lopez, and V. Kourafalou, 2016: Numerical model evaluation using automated underway ship observations. *J. Atmos. Ocean. Technol.*, **33**, 409-428. doi: [10.1175/JTECH-D-15-0052.1](https://doi.org/10.1175/JTECH-D-15-0052.1)
- Rudzin, J., S. Morey, M. Bourassa, and **S. R. Smith**, 2013: The influence of loop current position on winter sea surface temperatures in the Florida Straits. *Earth Interactions*, **17**, 1-9. doi: [10.1175/2013EI000521.1](https://doi.org/10.1175/2013EI000521.1)
- Gilford, D., **S. R. Smith**, M. Griffin, and A. Arguez, 2013: Southeastern US daily temperature ranges associated with the El Nino Southern Oscillation. *J. Applied Meteor. Climatol.*, **52** (11), 2434-2449.
- Hughes, P., and M. A. Bourassa, J. Rolph, and **S. R. Smith**, 2012: Averaging-Related Biases in Monthly Averaged Latent Heat Fluxes. *J. Atmos. Oceanic Technol.*, **29**, 974-986.
- Smith, S. R.**, 2011: Ten-year vision for marine climate research. *EOS, Trans Amer. Geophys. Union*, **92**(43), 376.
- Smith, S. R.**, M. A. Bourassa, and M. Long, 2011: Pirate attacks affect Indian Ocean climate research. *EOS, Trans Amer. Geophys. Union*, **92**(27), 225-226.
- Smith, S.R.**, P.J. Hughes, and M. A. Bourassa, 2011: A comparison of nine monthly air-sea flux products. *Int. J. Climatology*, **31**, 1002-1027, doi: 10.1002/joc.2225.
- Woodruff, S., S. Worley, S. Lubker, Z. Ji, E. Freeman, D. Berry, P. Brohan, E. Kent, R. Reynolds, **S. R. Smith**, and C. Wilkinson, 2011: ICOADS Release 2.5: Extensions and Enhancements to the Surface Marine Meteorological Archive. *Int. J. Climatology*, **31**, 951-967, doi: 10.1002/joc.2103.
- Smith, S. R.**, M. A. Bourassa, E. F. Bradley, C. Cosca, C. W. Fairall, G. J. Goni, J. T. Gunn, M. Hood, D. L. Jackson, E. C. Kent, G. Lagerloef, P. McGillivray, L. Petit de la Villeon, R. T. Pinker, E. Schulz, J. Sprintall, D. Stammer, A. Weill, G. A. Wick, M. J. Yelland, 2010: Automated Underway Oceanic and Atmospheric Measurements from Ships. *Proceedings of the "OceanObs'09: Sustained Ocean Observations and Information for Society" Conference (Vol. 2)*, Venice, Italy, 21-25 September 2009, Hall, J., Harrison D.E. and Stammer, D., Eds., ESA Publication WPP-306, doi:10.5270/OceanObs09.cwp.82.
- Smith, S. R.**, J. Rettig, J. Rolph, J. Hu, E. C. Kent, E. Schulz, R. Verein, S. Rutz, and C. Paver, 2010: The Data Management System for the Shipboard Automated Meteorological and Oceanographic System (SAMOS) Initiative. *Proceedings of the "OceanObs'09: Sustained Ocean Observations and Information for Society" Conference (Vol. 2)*, Venice, Italy, 21-25 September 2009, Hall, J., Harrison D.E. and Stammer, D., Eds., ESA Publication WPP-306, doi:10.5270/OceanObs09.cwp.83.
- Fairall, C. W., B. Barnier, D. I. Berry, M. A. Bourassa, E. F. Bradley, C. A. Clayson, G. de Leeuw, W. H. Drennan, S. T. Gille, S. K. Gulev, E. C. Kent, W. R. McGillis, G. D. Quartly, V. Ryabinin, **S. R. Smith**, R. A. Weller, M. J. Yelland, H.-M. Zhang, 2010: Observations to quantify air-sea fluxes and their role in climate variability and predictability. *Proceedings of the "OceanObs'09: Sustained Ocean Observations and Information for Society" Conference (Vol. 2)*, Venice, Italy, 21-25 September 2009, Hall, J., Harrison D.E. and Stammer, D., Eds., ESA Publication WPP-306, doi:10.5270/OceanObs09.cwp.27.
- Gulev, S. K., S. A. Josey, M. A. Bourassa, L.-A. Breivik, M. F. Cronin, C. Fairall, S. Gille, E. C. Kent, C. M. Lee, M. J. McPhaden, P. M. S. Monteiro, U. Schuster, **S. R. Smith**, K. E. Trenberth, D. Wallace, and S. D. Woodruff, 2010: Surface fluxes and processes including sea ice. In *Proceedings of the "OceanObs'09: Sustained Ocean Observations and Information for Society" Conference (Vol. 1)*,

- Venice, Italy, 21-25 September 2009, Hall, J., Harrison D.E. and Stammer, D., Eds., ESA Publication WPP-306, doi:10.5270/OceanObs09.pp.19.
- Hood, M., and 39 Coauthors (including **S. R. Smith**), 2010: Ship-based repeat hydrography: A strategy for a sustained global program. *Proceedings of the "OceanObs'09: Sustained Ocean Observations and Information for Society" Conference (Vol. 2)*, Venice, Italy, 21-25 September 2009, Hall, J., Harrison D.E. and Stammer, D., Eds., ESA Publication WPP-306, doi:10.5270/OceanObs09.cwp.44.
- Roemmich, D., L. Boehme, H. Claustre, H. Freeland, M. Fukasawa, G. Goni, W. J. Gould, N. Gruber, M. Hood, E. C. Kent, R. Lumpkin, **S. R. Smith**, P. Testor, 2010: Integrating the ocean observing system: Mobile platforms. *Proceedings of the "OceanObs'09: Sustained Ocean Observations and Information for Society" Conference (Vol. 1)*, Venice, Italy, 21-25 September 2009, Hall, J., Harrison D.E. and Stammer, D., Eds., ESA Publication WPP-306, doi:10.5270/OceanObs09.pp.33.
- Worley, S. J., S. D. Woodruff, S. J. Lubker, Z. Ji, E. Freeman, E. C. Kent, P. Brohan, D. I. Berry, **S. R. Smith**, C. Wilkinson, and R. W. Reynolds, 2010: The role of ICOADS in the sustained ocean observing system. *Proceedings of the "OceanObs'09: Sustained Ocean Observations and Information for Society" Conference (Vol. 2)*, Venice, Italy, 21-25 September 2009, Hall, J., Harrison D.E. and Stammer, D., Eds., ESA Publication WPP-306, doi:10.5270/OceanObs09.cwp.94.
- Arguez, A., J. J. O'Brien, and **S. R. Smith**, 2009: Air temperature impacts over Eastern North America and Europe associated with low-frequency North Atlantic SST variability. *Int. J. Climatol.*, **29**, 1-10.
- Kennedy, A. J., M. L. Griffin, S. L. Morey, **S. R. Smith**, and J. J. O'Brien, 2007: Effects of El Niño-Southern Oscillation on sea-level anomalies along the Gulf of Mexico coast. *J. Geophys. Res.*, **112**, C05047, doi:10.1029/2006JC003904.
- Smith, S. R.**, C. Tartaglione, J. J. O'Brien, and J. Brolley, 2007: ENSO's impact on regional U.S. hurricane activity. *J. Climate*, **20**, 1404-1414.
- Smith, S. R.**, 2006: A Partnership between Shipboard Oceanic and Atmospheric Data Programs. *EOS, Trans Amer. Geophys. Union*, **87**, 463, 466.
- Gould, W. J. and **S. R. Smith**, 2006: Research vessels: Underutilized assets for climate observations. *EOS, Trans Amer. Geophys. Union*, **87**, 214-215.
- Bourassa, M. A., R. Romero, **S. R. Smith**, and J. J. O'Brien, 2005: A new FSU wind climatology. *J. Climate*, **18**, 3692-3704.
- Smith, S. R.**, 2004: Focusing on improving automated meteorological observations from ships. *EOS, Trans Amer. Geophys. Union*, **85**, 319.
- Smith, S. R.**, J. Servain, D. M. Legler, J. N. Stricherz, M. A. Bourassa, and J. J. O'Brien, 2004: In-situ based pseudo-wind stress products for the tropical oceans. *Bull. Amer. Meteor. Soc.*, **85**, 979-994.
- Enloe, J., J. J. O'Brien, and **S. R. Smith**, 2004: ENSO impacts on peak wind gusts in the United States. *J. Climate*, **17**, 1728-1737.
- Curry, J. A., A. Bentamy, M. A. Bourassa, D. Bourras, E. F. Bradley, M. Brunke, S. Castro, S. H. Chou, C. A. Clayson, W. J. Emery, L. Eymard, C. W. Fairall, M. Kubota, B. Lin, W. Perrie, R. A. Reeder, I. A. Renfrew, W. B. Rossow, J. Schulz, **S. R. Smith**, P. J. Webster, G. A. Wick, X. Zeng. 2004: SEAFLUX. *Bull. Amer. Meteor. Soc.*, **85**, 409-424.
- Patten, J. M., **S. R. Smith**, and J. J. O'Brien, 2003: Impacts of ENSO on United States snowfall frequencies. *Weather and Forecasting*, **18**, 965-980.
- Tartaglione, C., **S. R. Smith**, and J. J. O'Brien, 2003: ENSO impact on hurricane landfall probabilities for the Caribbean. *J. Climate*, **16**, 2925-2931.
- Hanley, D. E., M. A. Bourassa, J. J. O'Brien, **S. R. Smith**, and E. R. Spade, 2003: A quantitative evaluation of ENSO indices. *J. Climate*, **16**, 1249-1258.
- Bourassa, M. A., D. M. Legler, J. J. O'Brien, and **S. R. Smith**, 2003: SeaWinds Validation with Research Vessels. *J. Geophys. Res.*, **108**, DOI 10.1029/2001JC001028.

- Smith, S. R.**, M. A. Bourassa, and R. J. Sharp, 2003: Establishing more truth in true winds. Reprinted with permission of AMS in: *WMO Guide to the Applications of Marine Climatology*, JCOMM Tech. Rep. 13, WMO TD 1081, WMO, Geneva, Switzerland, CDROM.
- Smith, S. R.**, D. M. Legler, and K. V. Verzone, 2001: Quantifying uncertainties in NCEP reanalyses using high quality research vessel observations. *J. Climate*, **14**, 4062-4072.
- Smith, S. R.**, and J. J. O'Brien, 2001: Regional snowfall distributions associated with ENSO: Implications for seasonal forecasting. *Bull. Amer. Meteor. Soc.*, **82**, 1179-1191.
- Smith, S. R.**, D. M. Legler, M. J. Remigio, and J. J. O'Brien, 1999: Comparison of 1997-1998 U.S. temperature and precipitation anomalies to historical ENSO warm phases. *J. Climate*, **12**, 3507-3515.
- Smith, S. R.**, M. A. Bourassa, and R. J. Sharp, 1999: Establishing more truth in true winds. *J. Atmos. Oceanic Technol.*, **16**, 939-952.
- Smith, S. R.**, P. M. Green, A. P. Leonardi, and J. J. O'Brien, 1998: Role of multiple-level tropospheric circulations in forcing ENSO winter precipitation anomalies. *Mon. Wea. Rev.*, **126**, 3102-3116.
- Chen, B., **S. R. Smith**, and D. H. Bromwich, 1996: Evolution of the Tropospheric Split Jet over the South Pacific Ocean during the 1986-89 ENSO cycle. *Mon. Wea. Rev.*, **124**(8), 1711-1731.
- Smith, S. R.** and S. Teewisse, 1994: Whiteout! *Weatherwise*, **47**(5), 54, 51.
- Smith, S. R.** and C. R. Stearns, 1993: Antarctic Climate Anomalies Surrounding the Minimum in the Southern Oscillation index. *Antarctic Research Series: Antarctic Meteorology and Climatology*. Vol **61**, D. H. Bromwich and C. R. Stearns (Eds.), 149- 174.
- Smith, S. R.** and C. R. Stearns, 1993: Antarctic Pressure and Temperature Anomalies Surrounding the Minimum in the Southern Oscillation index. *J. Geophys. Res.*, **98**(D7), 13,071-13,084.

Other Publications:

- Briggs, K., **S. R. Smith**, J. J. Rolph, 2020: *2019 SAMOS Data Quality Report*. COAPS, Tallahassee, FL, USA, 169 pp. Available from Center for Ocean-Atmospheric Prediction Studies, Florida State University, Tallahassee, Florida, 32306-2840, USA.
[\[https://samos.coaps.fsu.edu/html/docs/2019SAMOSAnnualReport_final.pdf\]](https://samos.coaps.fsu.edu/html/docs/2019SAMOSAnnualReport_final.pdf)
- Smith, S.R.**, D. Forcucci, J. Goes, R. Hudak, A. Mishonov, L. Stolp, and K. Watkins-Brandt, 2020: *Best Practices for Shipboard Underway Transmissometers*. Version 1. Tallahassee, FL, Florida State University, Center for Ocean-Atmospheric Prediction Studies, 13pp. DOI:[10.25607/OBP-790](https://doi.org/10.25607/OBP-790)
- Briggs, K., **S. R. Smith**, J. J. Rolph, 2019: *2018 SAMOS Data Quality Report*. COAPS, Tallahassee, FL, USA, 174 pp. Available from Center for Ocean-Atmospheric Prediction Studies, Florida State University, Tallahassee, Florida, 32306-2840, USA.
[\[http://samos.coaps.fsu.edu/html/docs/2018SAMOSAnnualReport_final.pdf\]](http://samos.coaps.fsu.edu/html/docs/2018SAMOSAnnualReport_final.pdf)
- Briggs, K., **S. R. Smith**, J. J. Rolph, 2018: *2017 SAMOS Data Quality Report*. COAPS, Tallahassee, FL, USA, 167 pp. Available from Center for Ocean-Atmospheric Prediction Studies, Florida State University, Tallahassee, Florida, 32306-2840, USA.
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- Briggs, K., **S. R. Smith**, J. J. Rolph, 2017: *2016 SAMOS Data Quality Report*. COAPS, Tallahassee, FL, USA, 180 pp. Available from Center for Ocean-Atmospheric Prediction Studies, Florida State University, Tallahassee, Florida, 32306-2840, USA.
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- Smith, S. R.**, and D. I. Berry, 2017: Expanding a 300-year record of marine climate. *Eos*, **98**, <https://doi.org/10.1029/2017EO068241>. Published on 13 March 2017.
- Marine Data Center, 2016: Data Management Plan - Shipboard Automated Meteorological and Oceanographic System (SAMOS) Initiative, COAPS, Tallahassee, FL, USA, 7 pp. Available from Center for Ocean-Atmospheric Prediction Studies, Florida State University, Tallahassee, Florida,

32306-2840, USA.

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Smith, S. R., E. Freeman, S. J. Lubker, S. D. Woodruff, S. J. Worley, W. E. Angel, D. I. Berry, P. Brohan, Z. Ji, and E. C. Kent, 2016: *The International Maritime Meteorological Archive (IMMA) format*. Available from <http://icoads.noaa.gov/e-doc/imma/R3.0-imma1.pdf>

Briggs, K., **S. R. Smith**, J. J. Rolph, 2016: *2015 SAMOS Data Quality Report*. COAPS, Tallahassee, FL, USA, 222 pp. Available from Center for Ocean-Atmospheric Prediction Studies, Florida State University, Tallahassee, Florida, 32306-2840, USA.
[http://samoss.coaps.fsu.edu/html/docs/2015SAMOSAnnualReport_final.pdf]

Briggs, K., **S. R. Smith**, J. J. Rolph, 2015: *2014 SAMOS Data Quality Report*. COAPS, Tallahassee, FL, USA, 192 pp. Available from Center for Ocean-Atmospheric Prediction Studies, Florida State University, Tallahassee, Florida, 32306-2840, USA.
[http://samoss.coaps.fsu.edu/html/docs/2014SAMOSAnnualReport_final.pdf]

Berry, D., and S. Smith, 2015: The 4th JCOMM Workshop on Advances in Marine Climatology and the 1st ICOADS Value-added Database Workshop, Asheville, 9-13 June 2014. *FLUX NEWS*, 7, Feb. 2015, pp. 16-17. Available from: http://www.clivar.org/sites/default/files/documents/FluxNews_7.pdf

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[http://samoss.coaps.fsu.edu/html/docs/2013SAMOSAnnualReport_final.pdf]

Briggs, K., **S. R. Smith**, J. J. Rolph, 2013: *2012 SAMOS Data Quality Report*. COAPS, Tallahassee, FL, USA, 172 pp. Available from Center for Ocean-Atmospheric Prediction Studies, Florida State University, Tallahassee, Florida, 32306-2840, USA.
[http://samoss.coaps.fsu.edu/html/docs/2012SAMOSAnnualReport_final.pdf]

R. Arko, S. Carbotte, V. Ferrini, S. Miller, K. Stocks, C. Chandler, A. Maffei, **S. Smith**, and M. Bourassa, 2012: Rolling Deck to Repository (R2R) Update. *UNOLS NEWS*, 27, 12.

Smith, S. R., M. A. Bourassa, and D. L. Jackson, 2012: Supporting Satellite Research with Data Collected by Vessels. *Sea Technology*, **53**, 21-24.

Briggs, K., **S. R. Smith**, J. J. Rolph, 2012: *2011 SAMOS Data Quality Report*. COAPS, Tallahassee, FL, USA, 140 pp. Available from Center for Ocean-Atmospheric Prediction Studies, Florida State University, Tallahassee, Florida, 32306-2840, USA.
[http://samoss.coaps.fsu.edu/html/docs/2011SAMOSAnnualReport_final.pdf]

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