

Curriculum Vitae – Mark A. Bourassa

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Professional Preparation

- 08/90 – 12/93 Ph.D., Purdue University, West Lafayette, Indiana. Major: Atmospheric Sciences (Tropical Meteorology). Dissertation: A flux parameterization including the effects of capillary waves and sea state. Dissertation supervisor: Dayton Vincent.
- 09/86 – 05/89 M.Sc., University of Alberta, Edmonton, Alberta, Canada. Major: Meteorology. Thesis: A risk analysis of the accretion of wet snow on transmission lines. Thesis supervisor: Edward Lozowski.
- 09/81 – 05/85 B.Sc., University of Alberta, Edmonton, Alberta, Canada. Major: Physics.

Post-Doctoral Education

- 1996 – 2002 Research Associate, Center for Ocean-Atmospheric Prediction Studies, Florida State University, Tallahassee, Florida.
- 1994 – 1995 Office of Naval Research Postdoctoral Fellow, College of Marine Studies, University of Delaware, Lewes, DE.

Professional Experience

- 2002 – 2008 Assistant Professor – Department of Meteorology and Center for Ocean–Atmospheric Prediction Studies, College of Arts and Sciences, Florida State University.
- 2004 – Geophysical Fluid Dynamics Institute Associate – GFDI, College of Arts and Sciences, Florida State University.
- 2008 - 2010 Associate Professor - Department of Meteorology and Center for Ocean–Atmospheric Prediction Studies, College of Arts and Sciences, Florida State University.
- 2010 - 2013 Associate Professor - Department of Earth, Ocean, and Atmospheric Sciences and Center for Ocean–Atmospheric Prediction Studies, College of Arts and Sciences, Florida State University.
- 2013 - Professor - Department of Earth, Ocean, and Atmospheric Sciences and Center for Ocean–Atmospheric Prediction Studies, College of Arts and Sciences, Florida State University.

Membership in Professional Organizations

American Geophysical Union

American Meteorological Society

Institute of Electrical and Electronics Engineers (IEEE) Geosciences & Remote Sensing Society

International Pan Oceanic Remote Sensing Conference Association (PORSEC)

ACTIVITIES AND HONORS

ONR Ocean Science Postdoctoral Fellow	1994 – 1995
Science Working Team, NASA NSCAT mission	1996 – 1999
Ocean Vector Winds Science Team, NASA/OSU QuikSCAT mission	1998 –
Co-chair for QuikSCAT surface truth	1998 – 2005
AMS Committee on Interaction of the Sea and Atmosphere	2003 – 2006
Next Vector Winds Mission Science Working Group	2003 – 2004
Shipboard Automated Meteorological and Oceanographic Systems (SAMOS) Working Group	2005 –
SEAFLUX Working Group	2005 –
NOAA Expert Team on the State of the Ocean	2005 –
NASA Tropical Cloud Systems and Processes (TCSP) science team	2005 – 2008
Associate Editor Journal Atmospheric and Oceanic Technology	2007 – 2009
Co-chair of the (USCLIVAR) High Latitude Surface Fluxes Working Group	2008 – 2012
NASA Ocean Vector Winds Science Team Leader	2008 –
NASA PO.DAAC User Working Group	2008 –
William T. Pecora Award for the QSCAT mission team	2008
Participations in ASCAT Science Advising Group	2008 –
GCOM-W2 Joint Research and Operational User Working Group	2009 –
NASA NEWS Science team	2009 –
Chair, International Ocean Vector Winds Science Organizing Com.	2010 –
NASA Sea Surface Temperature Science team	2010 –
Co-chair Ocean Observations Panel for Climate	2013 –
Co-chair Joint Commission on Marine Meteorology (JCOMM) cross-cutting Task Team on Satellite Data requirements	2013 –

TEACHING**Courses Taught**

MET2700	General Meteorology (Fall of 2003, 2004, 2006, 2008, and 2009)
MET3220C	Computational Meteorology (Spring of 2006 and 2007)
MET4450/5451	Physical Meteorology II / Advanced Physical Meteorology II (Spring of 2005, 2008, 2009, 2010, 2011, 2013)
MET6480	Advanced Topics in Physical Meteorology: Applied Satellite Remote Sensing (Fall 2013)
OCP5551	Physics of the Air-Sea Boundary-Layer (Spring of 2003 and 2004; Fall of 2005, 2007, 2010, and 2012)
MET5930	Masters Seminar (Spring 2010)
MET6930	Ph.D. Seminar (Spring 2010)

Chair of Doctoral Dissertation Supervisory Committees (total of 7)

Ryan Maue	(Sum. 2010)	Evolution of Frontal Structure Associated with Extratropical Transitioning Hurricanes
Stephen Guimond ¹	(Fall 2010)	Tropical Cyclone Inner-Core Dynamics: A Latent Heat Retrieval and its Effects on Intensity and Structure Change; and the Impacts of Effective Diffusion on the Axisymmetrization Process.
Aaron Paget	(Summ. 2013)	Important contributing factors for estimating the active and total whitecap coverage globally using satellite-derived parameters
Paul Hughes	(ongoing)	The Influence of Small-Scale Sea Surface Temperature Gradients on Surface Vector Winds and Subsequent Impacts on Oceanic Ekman Pumping
Kyle Ahern	(ongoing)	High-Latitude Cyclones
Heather Holbach	(ongoing)	
Samira Daneshga ²	(ongoing)	
Qi Shi	(ongoing)	
John Steffen	(ongoing)	
Rachel Weihs	(ongoing)	

Member of Doctoral Dissertation Supervisory Committees (total of 17)

Tachanat Bhatrasataponkul	(ongoing)
Lakshika Girihagama	(ongoing)
Nick Heath	(ongoing)
Nam-Young Kang	(ongoing)
Holly Newell	(ongoing)
Christopher Selman	(ongoing)
Ryan Truchelut	(ongoing)
Austin Todd	(Spring, 2013)

¹ Co-chair with Paul Reasor² Co-chair with Ian McDonald

Mona Behl	(Summer 2012)
Rose Njoroge	(Fall 2011)
Brent Roberts	(Fall 2011)
Philip Hayes	(Summer 2011)
Luke Peffers	(Spring 2011)
Henry Winterbottom	(Fall 2010)
Christelle Castet	(Fall 2009)
Jeremiah Brown	(Fall 2008)
Matt Carrier	(Fall 2007)
Sujata Dash	(Fall 2005)
Yoo-Jeong Noh	(Fall 2005)

Chair of Master's Thesis Supervisory Committees (total of 25)

Matthew Clark	(ongoing)	Oil Transport through Stokes Drift for DWH Oil Slick
Russell Glazer ³	(ongoing)	Influence of small scale SST gradients in tropical cyclone genesis
Li Keqiai	(ongoing)	Bias adjustment of the historical record of visually observed winds from volunteer observing ships
Kevin Formy	(Sum. 2014)	None
John Steffen	(Sum. 2014)	The Effects of Sea Surface Temperature Gradients On Surface Turbulent Fluxes
Robbie Nedbor-Gross ⁴	(Fall 2013)	Investigation of the relationship between the Yucatan Channel transport and the loop current area in a multi-decadal numerical simulation
Cristina Collier	(Sum. 2012)	Effects of Sea State on Offshore Wind Resourcing
Heather Holbach	(Sum. 2012)	The Effects of Gap-Wind-Induced Vorticity, the Monsoon Trough, and the ITCZ on Tropical Cyclogenesis
Benton Farmer ²	(Spring 2012)	Evaluation of bulk heat fluxes from atmospheric data sets
Racheal Weihs	(Spring 2012)	Modeled Diurnally Varying Sea Surface Temperatures and Their Influence On Surface Heat Fluxes
Joel Scott ⁵	(Sum. 2011)	An Intercomparison Of Numerically Modeled Flux Data And Satellite-Derived Flux Data For Warm Seclusions
Jackie May	(Fall 2010)	Quantifying Variance due to Temporal and Spatial Difference Between Ship and Satellite Winds
Steven DeNapoli	(Fall 2010)	Determining the Error Characteristics of H*Wind
Marcus Williams ²	(Sum. 2010)	Characterizing Multi-Decadal Temperature Variability In The Southeastern United States
Joshua Griffin	(Spring 2010)	Characterization of Errors in Various Moisture Roughness Length Parameterizations
Kelly McBeth	(Fall 2008)	Uncertainty of Scatterometer-Derived Vorticity
David Moroni	(Sum. 2008)	A Global and Regional Diagnostic Comparison of Air-Sea Flux Parameterizations During Episodic Events
Michelle Stewart	(Sum. 2007)	Cyclogenesis and Tropical Transition in Frontal Zones

³ Co-chair with Bob Hart

⁴ Co-chair with Eric Chassignet

⁵ Co-chair with Carol Anne Clayson

Steve Guimond	(Spring 2007)	A Diagnostic Study of the Effects of Trough Interactions on Tropical Cyclone QPF
Kristen Briggs	(Fall 2006)	ENSO Event Reproduction: A Comparison of an EOF vs. Cyclostationary (CEOF) Approach
Jeffrey Taylor	(Fall 2006)	Comparison of ECMWF and QuikSCAT-Derived Surface Pressure Gradients
Paul Hughes	(Spring 2006)	North Atlantic Decadal Variability of Ocean Surface Fluxes
Robert Banks	(Fall 2005)	Variability of Indian Ocean Surface Fluxes Using a New Objective Method
Khara Lombardi	(Fall 2004)	Resolving the Diurnal and Synoptic Variability of Scatterometer Vector Wind Observations

Member of Master's Thesis Supervisory Committees (total of 39)

Sun Jie	(ongoing)	Scott Rudlosky	(Summer 2007)
Duygu Aktas	(ongoing)	Rebecca Smith	(Summer 2007)
Qi Shi	(ongoing)	Will Sexton	(Spring 2007)
Stas Spearinsky	(ongoing)	Elizabeth Minter	(Fall 2006)
James Duncan	(Sum. 2013)	Henry Winterbottom	(Fall 2006)
Eric Mortenson	(Sum. 2103)	Michael Hanggi	(Spring 2006)
Katie Moore	(Sum. 2012)	Andrew Kimball	(Summer 2005)
Grayum Vickers	(Sum. 2012)	Michelle Hite	(Fall 2005)
Geoff Montee	(Fall 2011)	Derrick Weitlich	(Fall 2004)
Ashly Stroman	(Fall 2011)	Ryan Maue	(Summer 2004)
Lauren Moeller	(Sum. 2011)	Justin Brolley	(Fall 2004)
Alec Bogdanoff	(Spring 2011)	Pete Bogenschultz	(Fall 2004)
Andrew Murray	(Spring 2010)	Brian Jones	(Summer 2004)
John Smith	(Spring 2010)	Shannon Davis	(Fall 2002)
Jacob Rettig	(Spring 2010)	Kyle Hilburn	(Fall 2002)
Chin-Ying Chien	(Fall 2009)	Phillip Pegion	(Fall 1999)
Brent Roberts	(Fall 2008)	Ryan Sharp	(Fall 1999)
Christine Hamman	(Fall 2007)	Kathy Verzone	(Fall 1999)
David Ryglicki	(Fall 2007)	David Zierden	(Fall 1998)
Lauren Davison	(Summer 2007)		

Chair of Undergraduate Honors Thesis Committees (total of 7)

Connor Dacey	(2015)	Accuracy of pressure gradients near tropical cyclones in operational analyses
Lauren Zuromski	(2015)	TBD
Antonio Cruz	(2014)	Bias Assessment of rain-related errors in tropical Pacific remotely sensed winds
Alexandra Keclik	(2014)	Accuracy of Atlantic tropical cyclone landfall forecasts
Johna Rudzin	(2012)	The influence of atmospheric cold-air outbreaks on the upper-ocean thermal variability of the Florida Straits
Rochelle Worsnop	(2012)	Statistics of extreme temperature occurrences in the southeastern United States
Nick Heath	(2011)	Determining the effects of Stokes drift on the movement of oil in the Gulf of Mexico
Heather Holbach	(2010)	Vorticity-based detection of tropical cyclogenesis in the eastern Pacific basin

Member (not chair) of Undergraduate Honors Thesis Committees (total of 4)

Lauren Visin	(2014)	
Sean Freeman	(2014)	Vertical Transport of Trace Gases in Tropical Cyclones
Abby Spanger	(2013)	When, Where, And Why: Ovisposition Site Preference And Reproductive Seasonality Of <i>Nerita Scabricots</i>
Josh Cossuth	(2010)	Climatology of Dvorak classifications for operational probabilistic genesis forecasts

Refereed Journal Articles Published, In Press, and Submitted (total of 60; 807 citations)

- Holbach, H. M.¹, and **M. A. Bourassa**, 2014: The effects of gap–wind–induced vorticity, the monsoon trough, and the ITCZ on tropical cyclogenesis. *Mon. Wea. Rev.*, **142**, 1312-1325. doi: 10.1175/MWR-D-13-00218.1
- Nedbor-Gross, R., D. S. Dukhovskoy, **M. A. Bourassa**, S. L. Morey, E. P. Chassignet, 2014: Investigation of the relationship between the Yucatan Channel transport and the Loop Current area in a multi-decadal numerical simulation. *Marine Technology Society Journal*, **48**, 15 - 26.
- Vose, R. S. S. Applequist, **M. A. Bourassa**, S. C. Pryor, R. J. Barthelmie, B. Blanton, P. D. Bromirski, H. E. Brooks, A. T. DeGaetano, R. M. Dole, D. R. Easterling, R. E. Jensen, T. R. Karl, K. Klink, R. W. Katz, M. C. Kruk, K. E. Kunkel, M. C. MacCracken, T. C. Peterson, B. R. Thomas, X. L. Wang, J. E. Walsh, M. F. Wehner, D. J. Wuebbles, and R. S. Young, 2014: Monitoring and Understanding Changes in Extremes: Extratropical Storms, Winds, and Waves. *Bull. Amer. Meteor. Soc.*, **95**, 377 - 386. DOI: <http://dx.doi.org/10.1175/BAMS-D-12-00162.1>
- Weih, R., and **M. A. Bourassa**, 2014: Modeled diurnally varying sea surface temperatures and their influence on surface heat fluxes. *J. Geophys. Res.*, **119**, 4101–4123, doi:10.1002/2013JC009489.
- Zheng, Y., R. Zhang, and **M. A. Bourassa**, 2014: Impact of east Asian winter and Australian summer monsoons on the enhanced surface westerlies over the western tropical Pacific preceding the El Niño onset. *J. Clim.*, (accepted).
- Ali, M. M., G. S. Bhat, D. G. Long, S. Bharadwaj, **M. A. Bourassa**, 2013: Estimating wind stress at the Ocean surface from scatterometer observations. *IEEE GRSL*, **10**. 1129 – 1132. doi:10.1109/LGRS.2012.2231937 [0 Citations]
- Bourassa, M.**, S. Gille, C. Bitz, D. Carlson, I. Cerovecki, M. Cronin, W. Drennan, C. Fairall, R. Hoffman, G. Magnusdottir, R. Pinker, I. Renfrew, M. Serreze, K. Speer, L. Talley, and G. Wick, 2013: High-latitude ocean and sea ice surface fluxes: requirements and challenges for climate research. *Bull. Amer. Meteor. Soc.* **94**, 403 - 423. <http://dx.doi.org/10.1175/BAMS-D-11-00244.1> [4 citations]
- Purna Chand Ch, M. V. Rao, I. V. Ramana, M. M. Ali, J. Patoux, and **M. A. Bourassa**, 2013: Estimation of Sea-Level Pressure Fields during Cyclone Nilam from Oceansat-2 Scatterometer Winds, *Atmos. Sci, Let.*, (on line). DOI: 10.1002/asl2.473 [0 Citations]
- Rudzin², J. E., S. L. Morey, **M. A. Bourassa**, and S. R. Smith, 2013: The influence of loop current position on winter sea surface temperatures in the Florida Straits. *Earth Interactions*, **17**, 9 pgs. DOI: 10.1175/2013EI000521.1 [0 Citations]
- Zheng, Y., **M. A. Bourassa**, and P. J. Hughes, 2013: Influences of sea surface temperature gradients and surface roughness changes on the motion of surface oil: a simple idealized study. *J. Appl. Meteor. Clim.*, **52**, 1561 - 1575. DOI: 10.1175/JAMC-D-12-0211.1 [0 citations]

¹ Underlined authors are students whose research pertinent to this publication was supervised by Mark Bourassa

² highlight indicates papers where the student was an undergraduate

- DiNapoli, S. M., **M. A. Bourassa**, and M. D. Powell, 2012: Uncertainty and intercalibration analysis of H*Wind. *J. Atmos. Oceanic Technol.*, **29**, 822-833. [0 citations]
- Hughes, P., and **M. A. Bourassa**, J. Rolph, and S. R. Smith, 2012: Averaging-Related Biases in Monthly Latent Heat Fluxes. *J. Atmos. Oceanic Technol.*, 29(7), 974-986. DOI: 10.1175/JTECH-D-11-00184.1 [1 citation]
- Guimond, S. R., **M. A. Bourassa** and P. D. Reasor, 2011: A latent heat retrieval and its effects on the intensity and structure change of Hurricane Guillermo (1997). Part I: the algorithm and observations. *J. Atmos. Sci.*, **68**, 1549-1567. [5 citations]
- Knapp K. R., S. Ansari, C. L. Bain, **M. A. Bourassa**, M. J. Dickinson, C. Funk, C. N. Helms, C. C. Hennon, C. D. Holmes, G. J. Huffman, J. P. Kossin, H.-T. Lee, A. Loew, and G. Magnusdottir, 2011: Globally gridded satellite observations for climate studies. *Bull. Amer. Meteor. Soc.*, **92**, 893-907. [10 citations]
- Liu, J., J. A. Curry, C. A. Clayson, and **M. A. Bourassa**, 2011: High-resolution satellite surface latent heat fluxes in North Atlantic hurricanes. *Mon. Wea. Rev.*, **139**, 2735-2747. [4 citations]
- May, J., and **M. A. Bourassa**, 2011: Quantifying variance due to temporal and spatial difference between ship and satellite winds. *J. Geophys. Res.*, **116**, DOI:10.1029/2010JC006931 [3 citations]
- Smith, S. R., **M. A. Bourassa**, and D. L. Jackson, 2012: Supporting Satellite Research With Data Collected by Vessels. *Sea Tech.*, June 2012, 21 – 24. [0 citations]
- Smith, S., P. Hughes, and **M. Bourassa**, 2011: A comparison of nine monthly air-sea flux products. *Internat. J. Climatol.*, **31**, 1002-1027, doi: 10.1002/joc.2225. [12 citations]
- Smith, R.S., **M.A. Bourassa**, and M. Long, 2011: Pirate attacks affect Indian Ocean climate research. *Eos*, **92**, 225-226. [3 citations³]
- Weissman, D. E., and **M. A. Bourassa**, 2011: The influence of rainfall on scatterometer backscatter within tropical cyclone environments – implications on parameterization of sea surface stress. *Trans. Geosci. Remote Sens.*, **49**, 4805-4814, DOI 10.1109/TGRS.2011.2170842 [0 citations]
- Bourassa, M. A.**, and K. McBeth-Ford, 2010: Uncertainty in scatterometer-derived vorticity, *J. Atmos. Oceanic Technol.* **27**, 594 – 603. DOI: 10.1175/2009JTECHO689.1 [10 citations]
- Bourassa, M. A.**, S. Gille, D. L. Jackson, B. J. Roberts, and G. A. Wick, 2010: Ocean Winds and Turbulent Air-Sea Fluxes Inferred From Remote Sensing. *Oceanography*, **23**, 36-51. [8 citations]
- Morey, S. L., D. S. Dukhovskoy, and **M. A. Bourassa**, 2009: Connectivity between variability of the Apalachicola River flow and the bio-optical oceanic properties of the northern West Florida Shelf. *Continental Shelf Research*, doi:10.1016/j.csr.2009.02.003. [15 citations]
- Wallcraft, A. J., Kara, A. B., C. N. Barron, E. J. Metzger, R. Pauley and **M. A. Bourassa**, 2009: Comparisons of Monthly Mean 10m Wind Speeds from Satellites and NWP Products over the Global Ocean, *J. Geophys. Res.*, **114**, D16109, doi:10.1029/2008JD011696. [13 citations]

³ Not tracked by Web of Science; number based on peer reviewed journals listed in Google Scholar search

- Kara, A. B., A. J. Wallcraft, and **M. A. Bourassa**, 2008: Air-Sea Stability Effects on the 10m Winds Over the Global Ocean: Evaluations of Air-Sea Flux Algorithms. *J. Geophys. Res.*, **113**, C04009, doi:10.1029/2007JC004324. [10 citations]
- Kara, A. B., A. J. Wallcraft, C. N. Barron, E. J. Metzger, H. E. Hurlburt and **M. A. Bourassa**, 2008: Accuracy of 10 m Wind Speeds from Satellites and NWP Products Near Land–Sea Boundaries. *J. Geophys. Res.*, **113**, C04009, doi:10.1029/2007JC004324. [14 citations]
- Perrie, W., W. Zhang, **M. A. Bourassa**, H. Shen, and P. Vachon, 2008: Impact of satellite winds on marine wind simulations. *Weather and Forecasting*, **23**, 290-303. [3 citations]
- Weissman, D. E., and **M. A. Bourassa**, 2008: Measurements of the Effect of Rain-induced Sea Surface Roughness on the Satellite Scatterometer Radar Cross Section. *IEEE Trans. Geosci. Remote Sens.*, **46**, 2882-2894. [16 citations]
- Bourassa, M. A.**, R. N. Maue, S. R. Smith, P. J. Hughes, and J. Rolph, 2007: Global winds. State of the Climate in 2006. A. Arguez, H. J. Diamond, F. Fetterer, A. Horvitz, and J. M. Levy, Eds., *Bull. Amer. Meteor. Soc.*, **88**, S25-S27. [citations not tracked for subsections]
- Gierach, M. M., **M. A. Bourassa**, P. Cunningham, P. Reasor, and J. J. O'Brien, 2007: Vorticity-Based Detection of Tropical Cyclogenesis. *J. Appl. Meteor. Clim.*, **46**, 1214–1229. [8 citations]
- Kara, A. B., J. Metzger, **M. A. Bourassa**, 2007: Ocean Current and Wave Effects on Wind Stress Drag Coefficient and Fluxes over the Global Ocean. *Geophys. Res. Letts.*, **34**, L01604–01607, doi:10.1029/2006GL027849. [12 citations]
- Bourassa, M. A.**, S. R. Smith, P. Hughes, and J. Rolph, 2006: “Atlantic monthly air–sea fluxes and the 2005 hurricanes”, State of the Climate in 2005. K. A. Shein, A. M. Waple, H. J. Diamond, And J. M. Levy eds., *Bull. Amer. Meteor. Soc.*, **87**, 535 p. [citations not tracked for subsections]
- Morey, S. L., **M. A. Bourassa**, D. S. Dukhovskoy, and J. J. O'Brien, 2006: Modeling studies of the upper ocean response to a tropical storm. *Ocean Dynamics*, 13pp., DOI: 10.1007/s10236-006-0085-y. [16 citations]
- Morey, S. L., S. Baig, **M. A. Bourassa**, D. S. Dukhovskoy, and J. J. O'Brien, 2006: Remote forcing contribution to storm-induced sea level rise during Hurricane Dennis. *Geophys. Res. Letts.*, **33**, L19603–19607, doi:10.1029/2006GL027021. [25 citations]
- Arguez, A., **M. A. Bourassa**, and J. J. O'Brien, 2005: Detection of the MJO signal from QuikSCAT. *J. Atmos. Oceanic Technol.*, **22**, 1885–1894. [5 citations]
- Bourassa, M. A.**, R. Romero, S. R. Smith, and J. J. O'Brien, 2005: A new FSU winds climatology, *J. Clim.*, **18**, 3,692–3,704. [11 citations]
- Kara, B. A., A. J. Wallcraft, H. E. Hurlburt, and **M. A. Bourassa**, 2005: Black Sea mixed layer sensitivity to various wind and thermal forcing products on the climatological time scales. *J. Clim.*, **18**, 5266–5293. [15 citations]
- Morey, S. L., **M. A. Bourassa**, X. Davis, J. J. O'Brien, and J. Zavala-Hidalgo, 2005: Remotely sensed winds for episodic forcing of ocean models. *J. Geophys. Res.*, **110**(C10), C10024, doi:10.1029/2004JC002338. [9 citations]

- Bourassa, M. A.**, 2004: An Improved Seastate Dependency For Surface Stress Derived from In Situ and Remotely Sensed Winds. *Advances in Space Res.*, **33**(7), 1136–1142. [8 citations]
- Curry, J. A., A. Bentamy, **M. A. Bourassa**, D. Bourras, M. Brunke, S. Castro, S. Chou, C. A. Clayson, W. J. Emery, L. Eymard, C. W. Fairall, M. Kubota, B. Lin, W. Perrie, R. R. 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. [58 citations]
- 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. [8 citations]
- Bourassa, M. A.**, David M. Legler, and James J. O'Brien, 2003: Scatterometry Data Sets: High Quality Winds Over Water. *Advances in the Applications of Marine Climatology - The Dynamic Part of the WMO Guide to the Applications of Marine Climatology*. WMO/TD-No.1081 (JCOMM Technical Report No.13, WMO/TD-No. 1081), 159–174. [citations not tracked by WEB OF SCIENCE or Google scholar]
- Bourassa, M. A.**, D. M. Legler, J. J. O'Brien, and S. R. Smith, 2003: SeaWinds Validation with Research Vessels, *J. Geophys. Res.*, **108**, 3019–3035, DOI 10.1029/2001JC001081. [67 citations]
- Hanley, D., **M. Bourassa**, J. J. O'Brien, S. Smith, and E. Spade, 2003: A quantitative evaluation of ENSO indices. *J. Clim.*, **16**, 1249–1258. [64 citations]
- Hilburn, K. A., **M. A. Bourassa**, and J. J. O'Brien, 2003: Scatterometer-derived research-quality surface pressure fields for the Southern Ocean. *J. Geophys. Res.*, **108**, 10.1029/2003JC001772, 3244–3254. [12 citations]
- Lagerloef, G., R. Lukas, F. Bonjean, J. Gunn, G. Mitchum, **M. Bourassa**, and T. Busalacchi, 2003: El Nino Tropical Pacific Ocean surface current and temperature evolution in 2002 and outlook for early 2003. *Geophys. Res. Lett.*, **30**, 10.1029/2003GL017096, 1524–1517. [17 citations]
- Sharp, R. J., **M. A. Bourassa**, and J. J. O'Brien, 2003: Reply to "Comments on 'Early Detection of Tropical Cyclones Using SeaWinds-Derived Vorticity'", *Bull. Amer. Meteor. Soc.*, **85**, 1417. [0 citations]
- Weissman, D. E., **M. A. Bourassa**, J. Tongue, and J. J. O'Brien, 2003: Calibrating the QuikSCAT/SeaWinds Radar for Measuring Rain Over Water. *IEEE Trans. Geosci. Remote Sens.*, **41**, 2814–2820. [14 citations]
- Sharp, R. J., **M. A. Bourassa**, and J. J. O'Brien, 2002: Early detection of tropical cyclones using SeaWinds-derived vorticity. *Bull. Amer. Meteor. Soc.*, **84**, 879–889. [35 citations]
- Weissman, D. E., **M. A. Bourassa**, and J. Tongue, 2002: Effects of rain-rate and wind magnitude on SeaWinds scatterometer wind speed errors. *J. Atmos. Oceanic Technol.*, **19**, 738–746. [59 citations]
- Bourassa, M. A.**, D. G. Vincent, and W. L. Wood, 2001: A sea state parameterization with capillary waves and non-arbitrary wave age. *J. Phys. Oceanogr.*, **31**, 2840–2851. [7 citations]
- Bourassa, M. A.**, 2000: Shear–stress model for the aqueous boundary–layer near the air–sea interface. *J. Geophys. Res.*, **105**, 1167–1176. [3 citations]

- Pegion, P. J., M. A. Bourassa, D. M. Legler, and J. J. O'Brien, 2000: Objectively-derived daily "winds" from satellite scatterometer data. *Mon. Wea. Rev.*, **128**, 3150–3168. [54 citations]
- Zierden, D. F., **M. A. Bourassa**, and J. J. O'Brien, 2000: Cyclone surface pressure fields and frontogenesis from NASA Scatterometer (NSCAT) winds. *J. Geophys. Res.*, **105**, 23967–23981. [19 citations]
- Bourassa, M. A.**, D. G. Vincent, W. L. Wood, 1999: A flux parameterization including the effects of capillary waves and sea state. *J. Atmos. Sci.*, **56**, 1123–1139. [54 citations]
- Bourassa, M. A.**, L. Zamudio, and J. J. O'Brien, 1999: Non-inertial flow in NSCAT observations of Tehuantepec winds. *J. Geophys. Res.*, **104**, 11,311–11,320. [17 citations]
- Smith, R. S, **M. A. Bourassa**, and R. J. Sharp, 1999: Establishing more truth in true winds. *J. Atmos. Oceanic Technol.*, **16**, 939–952. [29 citations]
- Verschell, M. A., **M. A. Bourassa**, D. E. Weissman, and J. J. O'Brien, 1999: Model validation of the NASA Scatterometer winds. *J. Geophys. Res.*, **104**, 11359–11374. [19 citations]
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Refereed Reports (total of 9)

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