VITAE

NAME: Robert H. Weisberg

DATE OF BIRTH: May 20, 1947

PRESENT POSITION: Distinguished University Professor
College of Marine Science
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EDUCATION:

Cornell University: B.S. (Material Science & Engineering) 1969
University of Rhode Island: M.S. (Physical Oceanography) 1972
University of Rhode Island: Ph.D. (Physical Oceanography) 1975

PROFESSIONAL EXPERIENCE:

08/88-05/07	Professor, College of Marine Science, USF
12/86-08/88	Associate Professor, Department of Marine Science, USF
08/84-08/85	Associate Professor, Department of Marine Science, USF
12/86-05/90	Adjunct Professor, Department of Marine, Earth and Atmospheric Sciences, North Carolina State University, Raleigh NC
08/81-12/86	Associate Professor, Department of Marine, Earth and Atmospheric Sciences, North Carolina State University, Raleigh, NC
08/76-08/81	Assistant Professor, Department of Marine Science and Engineering, North Carolina State University, Raleigh, NC
11/76-08/82	Adjunct Professor, Graduate School of Oceanography, University of Rhode Island, Kingston, RI
05/74-08/76	Research Associate, Graduate School of Oceanography, University of Rhode Island, Kingston, RI
09/69-05/74	Research Assistant, Graduate School of Oceanography, University of Rhode Island, Kingston, RI
06/71-08/71	Instructor, St. Georges School, Newport, RI
08/69-08/77	U.S. Army Reserve, rank O3

HONORS:

Wiley Publishers Certificate: Top 10% downloaded papers in J. Geophys. Res.- Oceans for 12 mo. following publication, 2020

Fellow, SURA

National Science Foundation
NOAA-Sea Grant
NOAA-ERL
NOAA-OGP
Journal of Physical Oceanography
Geophysical Research Letters
Journal of Marine Research
Deep-Sea Research
Science
Nature
Journal of Geophysical Research
Oceanologia Acta
Progress in Oceanography Jou-I.DC5M 5(s)-1 (e)4 (ar)-1 (c)4 (hT)-5(c) (ounda)ha

Visiting Scientist Host, C. Colin, visiting scientist from ORSTOM, Paris: 1/85-5/86.
NSF Review panel member, 1980, 1989, 1993.
NOAA review panel member, 1990.
U.S. WOCE Moored Measurement Implementation Panel, 1988, 1989.
U.S. WOCE Process Studies Implementation Panel, 1988-1990.
Session convener at the Fall 1994 Annual Meeting of the American Geophysical Union.
Chairman, Science Advisory Committee, Tropical Ocean-Global Atmosphere (TOGA), Tropical Atmosphere Ocean (TAO) array, NOAA/PMEL, Dr. S. Hayes, Director, 1991.

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45. Wang, C., R. H. Weisberg (1996): Effects of Latent heat flux on the irregularity and phase locking of ENSO., Fall 1996 meeting of the AGU, 12/18/96, San Francisco, CA.

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70. He, R. and R.H. Weisberg (2001) West Florida Shelf circulation and temperature budget for the spring 1999 transition. Paper presented at the Fall meeting of the American Geophysical Union, San Fransisco CA., 12/01.

71. Weisberg, R.H., R. He, J. Virmani, and M. Luther (2001) Real time monitoring and circulation modeling on the West Florida Shelf Paper presented at the Fall meeting of the American Geophysical Union, San Fransisco CA., 12/01 Eos. Trans. AGU, 82(47), Abstract OS31D-03.

72. Luther, M.E., R.H. Weisberg, and A.V. Soloviev, 2002: Internal Tides on the Shelf

off Southeast Florida. Abstract for 2002 Ocean Sciences Meeting, 11-15 February 2002, Honolulu, Hawaii. Eos, Transactions, American Geophysical Union, v. 83, No. 4, 22 January 2002.

73. He, R. and R.H. Weisberg, 2002: Material property distributions on the West Florida Shelf. Abstract for 2002 Ocean Sciences Meeting, 11-15 February 2002, Honolulu, Hawaii. Eos, Transactions, American Geophysical Union, v. 83, No. 4, 22 January 2002.

74. Weisberg, R.H. and R. He, 2002: Local and deep-ocean forcing contributions to anomalous water properties on the West Florida Shelf. Proceedings Xth International Conference on Harmful Algae, St. Pete Be., FL., Oct. 2002.

75. He, R. and R.H. Weisberg, 2002: West Florida Shelf circulation and temperature budget for the fall transition of 1998. Proceedings Xth International Conference on Harmful Algae, St. Pete Be., FL., Oct. 2002.

76. Vargo, G.A., C.A. Heil, D.N. Ault, M.B. Neely, S. Murasko, J. Havens, K.M. Lester, K. Dixon, R. Merkt, J.J. Walsh, R.H. Weisberg, and K.A. Steidinger, 2002: Four K. brevis blooms: A comparative analysis. Proceedings Xth International Conference on Harmful Algae, St. Pete Be., FL., Oct. 2002.

77. Milroy, S.P., G.J. Kirkpatrick, G.A. Vargo, R.H. Weisberg, and J.J. Walsh, 2002: Serendipity and synergy: A look at potential biophysical controls on the K. brevis blooms near Sarasota Fl (Sept.-Oct., 1999). Proceedings Xth International Conference on Harmful Algae, St. Pete Be., FL., Oct. 2002.

78. Jolliff, J., J.J. Walsh, R. He, R.H. Weisberg, A.Stoval-Leonard, R. Cominy, P.G. Coble, B. Nababan, F. Muller-Karger, J. Patch, and K. Carder, 2002: On the dispersal of terrestrial organic matter over the west Florida shelf: A simulatoin of river discharge and photolysis of colored dissolved organic matter. Proceedings Xth International Conference on Harmful Algae, St. Pete Be., FL., Oct. 2002.

79. Walsh, J.J., S.P. Milroy, J.K. Jolliff, B.P. Darrow, J.M. Lenes, R.H. Weisberg, and R. He, 2002: Three-dimensional biophysical models of Florida red tides. Proceedings Xth International Conference on Harmful Algae, St. Pete Be., FL., Oct. 2002.

80. Weisberg, R.H., R. He, M. Luther, J. Walsh, R. Cole, J. Donovan, C. Merz and V. Subramanian (2002). A coastal ocean observing system and modeling program for the west Florida shelf. MTS/IEEE, Oceans2002 Conference, Biloxi MS., Oct. 2002.

81. F.J. Kelly, J.S. Bonner, J.C. Perez, J.S. Adams, D. Prouty, D. Trujillo, R.H. Weisberg,

M.E. Luther, R.He, R. Cole, J. Donovan, and C.R. Merz (2002). An HF-radar test Deployment amidst an ADCP array on the west Florida shelf. MTS/IEEE, Oceans2002 Conference, Biloxi MS., Oct. 2002.

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82. H. Seim, F. Werner, M. Fletcher, J. Nelson, R. Jahnke, C. Mooers, L. Shay, R. Weisberg, M. Luther (2002). SEA-COOS: Southeast Atlantic Coastal Ocean Observing System. MTS/IEEE, Oceans2002 Conference, Biloxi MS., Oct. 2002.

83. L.C. Langebrake, C.E. Lembke, R.H. Weisberg, R.H. Byrne, D. Randy Russell, G. Tilbury, and R. Carr (2002). Design and initial results of a bottom stationing ocean profiler. MTS/IEEE, Oceans2002 Conference, Biloxi MS., Oct. 2002.

84. He, R. and R.H. Weisberg, A loop current intrusion case study on the West Florida Shelf. EOS, Trans. Am. Geophys. Un., Dec. 2002. Poster presented at the Fall annual meeting of the American Geophysical Union, San Francisco CA., 12/6-12/10/02.

85. Halliwell, G.R. and R.H. Weisberg, Dynamical and thermodynamical processes governing fluid pathways for the upper limb of the Atlantic overturning circulation. EOS, Trans. Am. Geophys. Un., Dec. 2002. Poster presented at the Fall annual meeting of the American Geophysical Union, San Francisco CA., 12/6-12/10/02.

Poster presented at the Gordon Research Conference on Coastal Ocean Modeling, New London, NH, June, 2003.

91. He, R., L. Liu, and R.H. Weisberg, Improvement of coastal surface wind fields and its effect on the performance of a coastal ocean circulation model. Poster presented at the Gordon Research Conference on Coastal Ocean Modeling, New London, NH, June, 2003.

92. He, R., R.H. Weisberg, H. Zhang, F. Muller-Karger, and R.W. Helber. A cloud-free, satellite-derived, sea surface temperature analysis for the west Florida shelf. Poster presented at the Gordon Research Conference on Coastal Ocean Modeling, New London, NH, June, 2003.

93. Virmani, J. I., R. He, and R.H. Weisberg, Air-Sea Flux Influences on West Florida Shelf Water Temperature. AMS Fifth Conference on Coastal Atmosphere and Oceanic Prediction and Processes, August 8-12, 2003. Seattle, Washington.

94. Weisberg, R.H. and L. Zheng, Barotropic and Baroclinic Applications of FVCOM to the WFS for Hurricane Surge Simulations and Estuarine/Shelf Interactions. 84rd American Meteorological Society annual meeting January 2004, Seattle, WA.

95. Weisberg, R.H., R. He, and Y. Liu, Improving Coastal Ocean Modeling Using In-Situ Data. 8th Symposium on Integrated Observing and Assimilation Systems for Atmosphere, Oceans and Land Surfaces, 84th AMS Annual Meeting, January 2004.

96. Y. Liu, R.H. Weisberg, and R. He, Momentum balances over the West Florida Shelf, AGU Ocean Sciences Mtg., Portland OR, January, 2004.

97. He, R., R.W. Helber, R.H. Weisberg, H. Zhang, and F. Muller-Karger, Merging Multiple Satellite Sea Surface Temperature Products: A Near-Real-Time Cloud-Free, Sea Surface Temperature Analysis for the Southeast Atlantic Coastal Ocean, AGU Ocean Sciences, Portland OR, January, 2004.

98. R.H. Weisberg, R. He, R.W. Helber, C. Merz, S. Lichtenwalner, Y. Liu, M.E. Luther, and J.I. Virmani, A coastal ocean observing system and modeling program for the west Florida shelf. ASLO/TOS Ocean research Confr., Honolulu HI, February 2004.

99. J. Virmani and R.H. Weisberg, Relative humidity over the west Florida continental shelf. American Meteorological Society 13th Confr. on interactions of the Sea and Atmosphere/16th Symposium on Boundary Layers and Turbulence, Portand ME. August 2004.

100. R.W. Helber and R.H. Weisberg, Satellite Derived Surface Current Divergence in

presentation at the 85th AMS Annual meeting - Fourth Conference on Artificial Intelligence Applications to Environmental Science. San Diego, California, January 2005.

111. Liu, Y. and R.H. Weisberg: Across-shelf structure of the ocean circulation on the West Florida Shelf. Poster presented at the Gordon Research Conferences – Coastal Ocean Circulation. New London, NH, June 5~10, 2005.

112. L. Zheng and R.H. Weisberg: A numerical simulation of the hurricane Charley storm surge" presented at Charlotte Harbor Watershed Summit 2005 on 2/17/05 at Punta Gorda, Florida.

113. R.H. Weisberg and L. Zheng: A numerical simulation of the hurricane Charley storm surge in the light of lessons learned from Tampa Bay" presented at 19th Governor's Hurricane Conference on 5/13/05 at Tampa, Florida.

114. A. Barth, A. Alvera-Azcárate, R. He, R.W. Helber, R.H. Weisberg (2005). A Hindcast Experiment Nesting a Baroclinic West Florida Shelf Model in the 1/12° Operational North Atlantic HYCOM Model. 2005 AGU Spring Meeting. New Orleans, LA, May 2005.

115. A. Alvera-Azcárate, A. Barth, R. He, R.W. Helber, J. Law, and R.H. Weisberg (2005). Derivation of High-Resolution Ocean Surface Fields for Regional and Coastal Models. 2005 AGU Spring Meeting. New Orleans, LA, May 2005.

116. Weisberg, R.H. and L. Zheng. An FVCOM simulation of the Tampa Bay estuary circulation. Presented at the 18th biennial conference of the Estuarine Research Federation, Norfolk VA., 10/19/05.

117. Kirkpatrick. G. et al. Applications of the optical phytoplankton discriminator as an in situ component of an ocean observing system for HAB detection and tracking. Presented at the 18th biennial conference of the Estuarine Research Federation, Norfolk VA., 10/19/05.

118. Alvera-Azcarate, A., A. Barth, R.W. Helber, R. He, and R.H. Weisberg. Mapped fields of surface geostrophic currents based on altimetry, and fields of sea surface winds, cloud free sea surface temperature and chlorophyll concentration using monovariate OI and a multivariate EOF technique. Presented at the 2006 Ocean Sciences Meeting, Honolulu, Hawaii, Feb 20-24, 2006.

119. Barth, A., A. Alvera-Azcarate, R. He, and R.H. Weisberg, A baroclinic, regional West Florida Shelf model nested in the 1/12th degree North Atlantic HYCOM model. Presented at he 2006 Ocean Sciences Meeting, Honolulu, Hawaii, Feb 20-24, 2006.

120. Dodge, R.E., A.V. Soloviev, T. Gustafson, M.E. Luther, and R.H. Weisberg.

Colby-Sawyer College, New London, NH.

130. Barth, A., A. Alvera-Azcárate, and R.H. Weisberg. Ensemble-based simulation of HF-radar currents in a West Florida shelf ROMS model nested in HYCOM., Gordon Research Conference on Coastal Ocean Modeling 17 - 22 June 2007, Colby-Sawyer College, New London, NH.

131. Zheng, L. and R.H. Weisberg. A Storm Surge Simulation for an Ivan-like Hurricane Making Landfall within the Tampa Bay Region., Gordon Research Conference on Coastal Ocean Modeling 17 - 22 June 2007, Colby-Sawyer College, New London, NH.

132. Zheng, L. and R.H. Weisberg. A baroclinic circulation simulation for the shallow, Florida Rookery Bay estuary. Estuarine Research Federation Meeting, Newport R.I., November 2007.

133. Barth, A., A. Alvera-Azcárate, L. Zheng, and R. H. Weisberg (2008), A Nested Model of the West Florida Shelf: Assimilation of High-

Third Institute of Oceanography, State Oceanic Administration, Xiamen, Fujian, China.

140. Zheng, L.Y. and R.H. Weisberg. Rookery Bay and Naples Bay estuarine hydrodynamic circulation simulations: applications to tides and fresh water inflow regulation. Presented on 6/16/08 at International Symposium on Jiulong river watershed and Xiamen Bay ecological system management, Third Institute of Oceanography, State Oceanic Administration, Xiamen, Fujian, China.

141. Zheng, L.Y., R.H. Wiesberg, A. Barth, and A. Alvera (2008), Circulation influences on west Florida shelf red-tide events: Finite volume model applications to shelf-estuary interactions, Poster on 3/3/08 at 2008 Ocean Science Meeting, Orlando, FL.

142. Weisberg, R.H., L. Zheng and Y. Huang, Storm surge of Ivan-like Hurricane making landfall near Tampa Bay. Presented at the TAMPA BASIS 5 mtg, St. Petersburg, FL., 10/20/09.

143. Weisberg, R.H. and L. Zheng, Tampa Bay circulation driven by rivers, tides and winds, and its connection with the Gulf of Mexico: How the bay flushes. Presented at the TAMPA BASIS 5 mtg, St. Petersburg, FL., 10/20/09.

144. Liu, Y., R.H. Weisberg, and D.A. Mayer: Climatology of West Florida Shelf Circulation Observed with long-Term Moorings. The 15th Ocean Sciences Meeting, Portland, Oregon, February 22-26, 2010.

145. Liu, Y., R.H. Weisberg, L. Zheng, and C. Hu: Tracking Gulf of Mexico Oil Spill with Numerical Models and Satellite Imagery. Southeast Coastal Ocean Observing Regional Association (SECOORA) 2010 Annual Board & Member Meeting, Savanna, Georgia, USA, April 12-13, 2010 *(Invited Keynote Talk).*

146. Liu, Y.**,** and R.H. Weisberg: Lessons learned from an integrated coastal ocean observing system on the West Florida Shelf. 38th COSPAR Scientific Assembly, Bremen, Germany, July 18-25, 2010 (*Invited*).

147. Weisberg, R.H., Y. Liu, L. Zheng, and C. Hu: The Oil Trajectory: How it behaved in the Gulf of Mexico and why, and where might residual oil be heading? CSDMS Meeting, San Antonio, Texas, USA, October 14-17, 2010 *(Invited Keynote Talk).*

148. Liu, Y., R.H. Weisberg, C. Hu, and L. Zheng: Trajectory Forecasts Based on Numerical Ocean Circulation Models and Satellite Observations: A Rapid Response to Deepwater Horizon Oil Spill, AGU Fall Meeting, San Francisco, California, USA, December 13-17, 2010.

159. Jochens, A., M. Howard, L. Campbell, R. Mullins-Perry, G. Kirkpatrick, B. Kirkpatrick, C. Simoniello, C. Hu, R. Weisberg, C. Lembke, A. Corcoran, J. Ivey, S. Wolf, Integrating Observing Systems to Benefit Stakeholders: A Case Study in the Gulf of Mexico, Oceans' 12 MTS/IEEE, Hampton Roads, Virginia, 14-19 Oct. 2012.

160. Koch, A.O., R.W. Helber, J.G. Richman, C.N. Barron, Y. Liu, C. Lembke, R.H. Weisberg, Horizontal density compensation in the Gulf of Mexico, AGU Fall Meeting, San Francisco, CA. Dec. 3-7, 2012 (poster presentation)

161. Huang, Y., R.H. Weisberg, and L. Zheng (2012), Gulf of Mexico hurricane wave simulations using SWAN: Bulk formula based drag coefficient sensitivity for Hurricane Ike. 2012 American Geophysical Union (AGU) Fall Meeting, December 3-7, 2012, Moscone Center, San Francisco, California, USA.

162. Kerr, P.C., A.S. Donahue, J.J. Westerink, R.A. Luettich Jr., L.Y. Zheng, R.H. Weisberg, Y. Huang, H.V. Wang, Y. Teng, D. Forrest, A. Roland, A. T. Haase, A. Kramer, A. Taylor, J.R. Rhome, J. Feyen, R.P. Signell, J. Hanson, M.E. Hope, R. Estes, R. Dunbar, L. Semeraro, H.J. Westerink, A. Kennedy, J.M. Smith, M.D. Powell, V.J. Cardone, A.T. Cox: Coastal Inundation Testbed Inter-Model

169. Weisberg, R.H., L.Y. Zheng, Y. Liu, S. Murawski, C. Hu, J. Paul and D. Hollander Did Deepwater Horizon Hydrocarbons Transit to the West Florida Continental Shelf?, 2014 Gulf of Mexico Oil Spill and Ecosystem Conference, Mobile, AL., 1/14.

170. Zheng, L.Y. and R.H. Weisberg A Northeast Gulf of Mexico Coastal Ocean Model: FVCOM Nested in GOM HYCOM, with Application to 2010, 2014 Gulf of Mexico Oil Spill and Ecosystem Conference, Mobile, AL., 1/14.

171. Locker, S., N. Wienders, I. MacDonald, K. Speer, P. Hamilton, R. Weisberg, L. Zheng, A.Hine Interaction Between Geomorphology, Sedimentary Processes, And Circulation - Northeastern Gulf Of Mexico, 2014 Gulf of Mexico Oil Spill and Ecosystem Conference, Mobile, AL., 1/14.

172. Dzvonkovskaya, A., C. R. Merz, Y. Liu, R. H. Weisberg, T. Helzel, and L. Petersen, 2014: Initial surface current measurements on the West Florida Shelf using WERA HF ocean radar with multiple input multiple output (MIMO) synthetic aperture, Proc. of MTS/IEEE Int. Conf. OCEANS'14, St. John's, Canada, 9/14.

173. Dzvonkovskaya, A., T. Helzel, L. Petersen, C. R. Merz, Y. Liu, and R. H. Weisberg, 2014: Initial results of ship detection and tracking using WERA HF ocean radar with MIMO configuration, Proc. of Int. Radar Symposium IRS-2014, Gdansk, Poland, 6/14, pp. 317-319.

174. Gomez, R., T. Helzel, L. Petersen, M. Kniephoff, C.R. Merz, Y. Liu, and R.H. Weisberg, 2014: Real-time quality control of current velocity data on individual grid cells in WERA HF radar, MTS/IEEE 2014, Taipei Taiwan, 4/14.

175. Liu, Y., R.H. Weisberg, and C.R. Merz, 2014: Assessment of CODAR and WERA HF radars in mapping currents on the West Florida Shelf, 2014 Ocean Sciences Meeting, Honolulu, Hawaii, 2/14.

176. Zheng, L.Y., R.H. Weisberg and Y. Liu. West Florida Coastal Ocean Model: Downscaling from deep-ocean, across the continental shelf and into estuaries by nesting FVCOM into GOM HYCOM. Presented on 06/05/2015 in Gordon Research Conference: Coastal Ocean Modeling in University of New England, Biddeford, ME.

177. Zheng, L.Y., J. Zhu and R.H. Weisberg. On the salt balance of Tampa Bay, Florida. Presented on 06/05/2015 in Gordon Research Conference: Coastal Ocean Modeling in University of New England, Biddeford, ME.

178. Zheng, L.Y. and R.H. Weisberg. Has There Been a Trend in Eastern Gulf of Mexico Temperature in Recent Decades? Presented on 09/28/2015 at BASIS6 in St. Petersburg, Florida.

West Florida Shelf: Anomalous upwelling and its influence on harmful algal blooms, invited talk, AGU Fall Meeting, New Orleans, Dec. 2017.

189. Liu, Y., R.H. Weisberg (2017), A skill score of trajectory model evaluation using reinitialized series of normalized cumulative Lagrangian separation, oral presentation, AGU Fall Meeting, New Orleans, Dec. 2017.

190. Liu, Y., R.H. Weisberg, J. Chen, C.R. Merz, J. Law, and L. Zheng (2017), West Florida Shelf response to hurricane Irma, poster presentation, AGU Fall Meeting, New Orleans, Dec. 2017.

191. Liu, Y., R.H. Weisberg, C.R. Merz, J. Law, L. Zheng, and J. Chen (2018), West Florida Shelf response to hurricane Irma, Ocean Sciences Meeting, Portland Oregon, Feb 2018 (oral presentation).

192. Chen, J., R.H. Weisberg, Y. Liu, and L. Zheng (2018), Tampa Bay response to Hurricane Irma. Ocean Sciences Meeting, Portland Oregon, Feb 2018 (lightning poster).

193. Chen, J., R.H. Weisberg, Y. Liu, and L. Zheng (2018), On the momentum balance of Tampa Bay. Ocean Sciences Meeting, Portland Oregon, Feb 2018 (poster presentation).

194. Liu, Y., R.H. Weisberg, J. Chen, C.R. Merz, J. Law, and L. Zheng (2018), West Florida Shelf response to Hurricane Irma, AGU Fall Meeting, Washington DC, Dec 2018 (poster presentation).

195. Liu, Y., R.H. Weisberg, S. Vignudelli, and G.T. Mitchum (2018), Dual Self-Organizing Map (SOM) and joint SOM-wavelet analyses: An application in the Gulf of Mexico Loop Current system, 2018 AGU Fall Meeting, Washington DC, Dec 2018 (poster presentation).

196. Liu, Y., R.H. Weisberg, K. Hubbard, M. Garrett, and L. Zheng (2018), Short-Term and Seasonal Forecasts of Harmful Algal Blooms on the West Florida Shelf, 2018 AGU Fall Meeting, Washington DC, Dec 2018 (poster presentation).

197. Liu, Y., R.H. Weisberg, and L. Zheng (2018), Northeastern Gulf of Mexico coastal ocean response to Hurricane Michael, 2018 AGU Fall Meeting, Washington DC, December 2018 (poster presentation).

198. Chen, J., R.H. Weisberg, Y. Liu, and L. Zheng (2018) The Tampa Bay Coastal Ocean Model (TBCOM) performance for Hurricane Irma. AGU Fall Meeting, Washington, D.C., Dec 2018 (oral presentation).

209. Yang, Y., R.H. Weisberg, Y. Liu, and X.S. Liang (2020), Instabilities and multiscale interactions underlying the Loop Current eddy shedding in the Gulf of Mexico, GoMOSES, Tampa, February 2020 (talk).

210. Liu, Y., and R.H. Weisberg (2020), Deep ocean interactions with the West Florida Shelf: the role of the "Pressure Point" on both across shelf transport and the penetration of the Loop Current into the Gulf of Mexico, Ocean Sciences Meeting, San Diego, February 2020 (talk).

211. Chen, J., R.H. Weisberg, Y. Liu, and L. Zheng (2020), The Tampa Bay Coastal Ocean Model Nowcast/Forecast System with Ecological Applications, Ocean Sciences Meeting, San Diego, February 2020 (poster).

212. Yang, Y., R.H. Weisberg, Y. Liu, and X.S. Liang (2020), Instabilities and multiscale interactions underlying the Loop Current eddy shedding in the Gulf of Mexico, Ocean Sciences Meeting, San Diego, February 2020 (poster).

213. Zhang, Y., C. Hu, Y. Liu, R.H. Weisberg, and V. Kourafalou (2020), Submesoscale and mesoscale eddies in the Florida Straits: Observations from satellite ocean color measurements, Ocean Sciences Meeting, San Diego, February 2020 (poster).

214. Vasbinder, K., C. Ainsworth, G. Zapfe, R. Weisberg, and Y. Liu (2020), Larval Dynamics in the Gulf of Mexico: Using Ontogentic Vertical Migration Patterns to Inform Larval Trajectories and Assess Ecosystem Impacts, Ocean Sciences Meeting, San Diego, February 2020 (poster).

PRESENTATION AT WORKSHOP/SEMINARS:

Scholarly Presentations and Workshops in addition to society meetings with published abstracts.

1. March 23-

5. November 10-14, 1976, Stony Brook, NY: Estuarine Transport Processes, Marine Sciences Research Center, State University of New York. Invited.

6. February 18 - March 11, 1977, Miami, FL: GATE Oceanographic Workshop. Invited.

7. January, 1978, Fort Lauderdale, FL: INDEX Workshop.

8. April 2-6, 1979, Boulder, CO: Physics of the Equatorial Oceans Workshop.

9. April 28-30, 1980, Tallahassee, FL: Equatorial Theoretical Panel Meeting.

10. April 27-30, 1981, Venice, Italy: SCOR Working Group 47 Meeting.

11. October 28-30, 1981, Palisades, NY: Equatorial Theoretical Panel Meeting.

12. November 3-4, 1983, AOML, Miami, FL: ENSO Data Display Workshop.

13. September 19-24, 1984, Princeton, NJ: Invited seminar at GFDL, Princeton Univ.

35. September 21-23, 1987, Honolulu, HI: Invitee to an NSF sponsored World Ocean

68. May 4-8, 1992, Co-Convener and speaker, TOGA Program Conference in Taipei, Taiwan, ROC.

69. July 14-16, 1992, Stonybrook, NY., Invited Panelist, USACOE.

70. September 22, 1992, Oceanographic Center, NOVA University, Dania, FL., Committee member, Ph.D. Thesis Defense, Z. Yu.

71. November 9-11, 1992, Honolulu, HI., Invited implementation panel member, TOGA TAO array workshop.

72. December 2, 1992, St. Petersburg, FL., Invited seminar speaker at Eckerd College.

73. December 9-10, 1992, St. Petersburg, FL., Invited Panelist, USACOE.

74. January 22, 1993, Mote Marine Lab, Sarasota, FL., Attendee, EPA Gulf of Mexico Program Meeting.

75. January 27-29, 1993, Miami, FL., Invited participant, NOAA EPOCS Annual Review.

76. March 1-3, 1993, Honolulu, HI., Invited participant and presenter, National Academy of Sciences sponsored Global Ocean Atmosphere Land System Workshop.

77. March 30-31, 1993, Stennis Space Center, MI., Invited Florida Delegation Leader to Southeast Space Grant Consortium Meeting.

78. May 11, 1993, AMOL/RSMAS, Miami, FL., Invited seminar speaker.

79. June 29-30, 1993, Havana, FL., Invited participant, NWFWMD Technical Working Group Meeting.

80. July 8, 1993, Ithaca, NY., Invited speaker at Cornell University.

81. July 14-16, 1993, Seattle WA., Invited speaker, JGOFS Workshop.

82. July 19-20, 1993, Woods Hole MA., Invited Panelist, USACOE.

83. July 26-28, 1993, Washington, D.C., Invited NSF Panelist.

84. September 3, 1993, St. Petersburg, FL: Semin( )Tj-0..2oWivert, MIe st 11, 1993, -0.9 .2oWi int, N,antP

86. January 11-14, 1994, Miami, FL., Invited participant at NOAA/EPOCS Meeting.

87. April 5-7, 1994, Tallahassee, FL., MMS workshop on northwest Florida shelf.

88. April 21-22, 1994, Miami, FL., Invited speaker at Florida Coastal Science Symposium, RSMAS.

89. May 11-13, 1994, Princeton, NJ., Invited speaker at WOCE (NSF)/ACCP (NOAA) workshop on Atlantic Climate Variability.

90. July 19-22, 1994, Honolulu, HI., Invited speaker at The Oceanography Society Meeting.

91. August 22-25, 1994, Seattle, WA., Invited speaker at NOAA-OGP PACS Workshop.

92. September 23, 1994, Stony Brook, NY, Invited panelist, USACOE.

93. October 25-26, 1994, Project leader (non-participant), R/V SUNCOASTER, West Florida Shelf Deployment.

94. November 14, 1994, Havana, FL., Invited participant, NWFWMD Technical Working Group Meeting.

95. December 5-9, 1994, San Francisco, CA., Session Convener/Chair, Fall Annual Meeting of the American Geophysical Union.

96. January 30, 1995, Tallahassee, FL., Evolution of the three-dimensional circulation about the equator in the central equatorial Pacific. Seminar presented at the Florida State University.

97. February 8-10, 1995, Miami, FL., Invited participant, PACS implementation panel workshop.

98. April 2-7, 1995, Melbourne, Aurk2P22BD0 Td[7, 1995, c)T311.16 366.96 (p)2 (r)5 (il 2)]TJ0 Tc 0 Tw 4.

102. July 20-21, 1995, Seattle, WA., Invited participant, PACS implementation panel workshop.

103. August 14-15, 1995, Tuckerton, NJ., Invited participant COE HBRAG.

104. October 13, 1995, Miami, FL., Invited seminar at AOML/RSMAS on "Slow interannual variability in the equatorial west-central pacific in relation to ENSO."

105. October 14, 1995, St. Petersburg, FL., Lectures at SPHS, IB Program.

106. December 7-8, 1995, Stony Brook, NY., Invited participant COE HBRAG.

107. April 10, 1996, Vero Beach, FL., Invited seminar Harbor Branch Oceanographic Institute on "in-situ measurements and modeling of West Florida continental shelf circulation."

108. June 7, 1996, St. Petersburg, FL., USGS WFS workshop, participant and presenter of 4 talks on in-situ measurements, satellite remote sensing and numerical modeling of the west Florida continental shelf circulation.

109. July 9, 1996, St. Petersburg, FL., Taped interview for WUSF Science Adventures series.

110. July 22, 1996, St. Petersburg, FL., Invited seminar at FMRI on "West Florida continental shelf circulation."

111. August 8, 1996, Miami, FL., Invited seminar at AOML/RSMAS on "A new mechanism for ENSO."

112. August 27-29, 1996, France, Invited presenter and contributor at PIRATA workshop at centre ORSTOM.

113. September 11, 1996, St. Petersburg, FL., DMS seminar in the El Nino-Southern Oscillation.

114. September 18, 1996, Seattle, WA., Presentation on upper ocean variability in the western equatorial Pacific during a principal investigators meeting for TOGA/COARE.

115. October 5, 1996, St. Petersburg, FL., Appeared in a WUSF Science Adventures television presentation.

116. October 25, 1996, Tallahassee, FL., Two seminars presented at the Department of Oceanography, FSU.

117. November 6-7, 1996, St. Petersburg, FL., Invited participant, FMRI redtide workshop.

118. November 18-20, 1996, Miami, FL., Invited panelist, NOAA/COP Technical Advisory Panel Meeting and Workshop.

119. December 5-6, 1996, Vicksburg, MS., Invited panelist, COE near field modeling.

120. January 6-7, 1997, Tallahassee, FL., Three presentation at MMS quality review

144. October 26-29, 1998, Miami FL. Annual NOAA Climate Analysis Workshop, 2 presentations given (with C. Wang).

conference.

161. November 29-December 1, 1999. New Brunswick, NJ. Invited participant and speaker at the ONR HyCODE workshop.

162. December 2, 1999. New Orleans, LA. Invited speaker at the MMS annual Information Transfer Meeting.

163. February 17, 2000. St. Petersburg, FL. HyCODE/FSLE meeting presentor.

164. May 8, 2000. Miami, FL. Invited seminar, NOAA/AOML. West Florida shelf response to local wind forcing: April 1998.

165. September 5, 2000. Ruskin FL. Hurricane storm surge presentation at the NWS.

166. September 13, 2000. St. Petersburg, FL. HyCODE/FSLE meeting presentor.

167. September 22, 2000. Narragansett R.I. Invited seminar at URI for the J.A. Knauss 75th birthday symposium. An observers view of the equatorial current system.

168. October 17, 2000. St. Petersburg, FL. Participation (poster) at Project Access meeting

169. October 27, 2000. Palisades N.Y. Participant and speaker at NAME conference held at the LDEO, Columbia Univ. IRI.

170. November15, 2000. St. Petersburg, FL. Taught classes at John Hopkins Middle School.

171. November 27, 2000. Gulf Breeze, FL. Invited participant at the EPA/NOAA HABSOS meeting.

172. December 5, 2000. Woods Hole MA. Invited speaker at the HAB symposium.

173. January 8-11, 2001 St. Pete Beach FL. presentation at ONR HyCODE P.I. meeting

174. March 15-16, 2001 Miami, FL. Invited presentation at RSMAS/AOML.

175. March 28-30, 2001 Dania, FL Invited participant, CECOOS workshop.

176. May 21-24, 2

178. July 7-8, 2001 Corpus Christi TX., Invited presentation at TAMU-CC.

179. August 9-10, 2001 St. Petersburg, FL., Invited presentation at SURA SCOOP mtg.

180. August 24, 2001 St. Petersburg FL., presentation at ECOHAB P.I. meeting.

181. November 1-2, 2001 Newport News, VA., Invited presentation at SURA-SCOOP mtg.

182. November 14, 2001 St. Petersburg FL., Great American teach-in (J. Hopkins middle school).

183. November 15, 2001 St. Petersburg FL., Seminar at USGS.

184. November 26, 2001 Sarasota, FL. Seminar at MOTE Marine Lab.

185. January 6-9, 2002 Santa Barbara, CA., HyCODE P.I. mtg., presentation on WFS.

186. January 17, 2002 St. Petersburg, FL. ECOHAB P.I. mtg. presentation on WFS.

187. February 14, 2002 St. Petersburg, FL. SWFWMD mtg. presentation on WFS and the Charlotte Harbor estuary.

188. February 21, 2002 Dania, FL. Presentation to the Ocean Commission on coastal ocean monitoring.

189. February 28, 2002 Atlanta, GA. SEA-COOS P.I. mtg.

190. April 2-3, 2002 Panama City, FL. ONR P.I. mtg., presentation on BSOP project.

191. April 29-30, 2002 Nashville, TN., SURA mtg., 2 presentations to SURA coastal committee

192. May 3, 2002 St. Petersburg, FL. presentation to NOAA visitors.

193. May 29, 2002 St. Petersburg, FL. presentation at ECOHAB P.I. meeting

194. August 5, 2002 Dartmouth, MA. Seminar at SMAST, UMass, Dartmouth

195. September 18, 2002 St. Petersburg, FL. Presentation at USG2oL34075IFL34075IFL-2 (. P)-4 (, (e)4 (m

217. 1/20/04, Ruskin, FL, poster presentation at USGS Tampa Bay conference.

218. 3/8-10/04, St. Petersburg, FL, presentation at MTS Buoy wrkshp: A Coastal Ocean Observing System for the WFS - COMPS/SEACOOS.

219. 3/10/04, Wash. DC, SEACOOS House/Senate briefings.

220. 3/11/04, Chapel Hill, NC, SEACOOS BoD mtg.

221. 3/15-16/04, St. Petersburg, FL, ACT radar mtg.

222. 4/12-15/04, St. Petersburg, FL, EPA-GCOOS HAB mtg.

223. 5/10-12/04, St Petersburg, FL, presentation at ONR site visit.

224. 5/13/04, Ft. Myers, FL, presentation on the CH estuary at SFWMD mtg. at ECC.

225. 5/16-19/04, Miami. FL, SEACOOS sp wrkshp, 3 oral presentations and 4 posters.

226. 5/21-24/04, Margarita Venezuela, presentation at CARIACO PI mtg.

227. 5/26/04, Venice, FL, presentation to Coast Guard aux.

228. 6/7/04, St. Petersburg, FL, presentation to Pinellas Co. teachers.

229. 6/14-16/04, New Bedford, MA, presentation at FVCOM wrkshp at UMASSD.

230. 7/10/04, St. Petersburg, FL, guest sermon at Congr. B'nai Israel.

231. 8/4/04, Atlanta, GA, SEACOOS PI mtg.

232. 8/16-17/04, Atlanta, GA, SEACOOS EXCOMM mtg.

233. 8/18/04, Miami, FL, seminar at AOML (by R. Helber).

234. 8/24/04, St. Petersburg, FL, presentation to MOSI exhibitors.

235. 8/26/04, St. Petersburg, FL, seminar on hurricane storm surge.

236. 9/27/04, St. Petersburg, FL, guest lecture in Intro P.O. course.

237. 9/29/04, Atlanta GA, SEACOOS MWG mtg.

238. 10/5/04, Sarasota, FL, H. Charley simulation at MML (by L. Zheng).

239. 10/11/04, Liege, BE., juror, PhD defense for A. Barth.

240. 10/13/04, Liege, BE., juror, PhD defense for A. Alvera-Azcarate.

241. 10/27/04, Miami, FL, presentation at HYCOM meeting.

242. 11/10&11/04, Charleston, SC, presentation at SEACOOS fall workshop.

243. 11/16&17/04, Charleston SC, participation at NOAA COTS workshop.

244. 12/20/04, Naples, FL, SFWMD presentation of estuary/shelf interaction (by L.Zheng).

245. 1/17-19/05, St. Petersburg, FL, SEACOOS External Review, OWG summary presentation as chairman.

246. 2/11/05, Washington DC, SEACOOS presentation to legislative aides.

247. 2/16/05, Office, – teleconference re: NOPP panel.

248. 3/2-3/05, Miami, FL, SEACOOS BoD mtg., OWG Chair presentation.

249. 3/11-13/05, Steinhatchee, FL, CMS faculty retreat.

250. 3/?/05, San Diego, CA, “Wireless Waves” presented by R. Cole at RD-Instruments, ADCPs in Action.

251. 4/5/05, Ruskin, FL, Hurricane Charley simulation seminar at local AMS mtg.

284. 5/?, Margarita Is., Venezuela, CARICO progress report (by R. Cole).

285. 6/6, Tampa, FL, Invited speaker, local AMS Chapter annual banquet.

286. 6/16, Tampa, FL, Invited public forum panelist at “An inconvenient truth.”

287. 6/?, New Bedford, MA, Applications of FVCOM to the west Florida continental shelf and its estuaries, 2nd FVCOM workshop at UMass-Dartmouth (L. Zheng)

288. 7/11, Woods Hole, MA., Invited seminar at WHOI

289. 7/12, Woods Hole, MA., Invited seminar at WHOI

290. 7/17, Sarasota, FL., Invited lecture at NOAA/Mote/FWRI red tide workshop, plus two posters presented.

291. 7/27-28, New Orleans, LA., NRC Comm. on N.O. Hurricane Protection System.

292. 9/11-14, Jacksonville, FL, SEACOOS/SECOORA workshops.

293. 9/25, Clearwater, FL., PC Property Appraiser’s Office, hurricane storm surge

294. 10/28, St Petersburg, FL., TB Estuary Academy (presented by L. Zheng).

295. 11/?,

304. 6/17-21, Gordon Research Conference, Colby College, New Hampshire, 3 posters

305. 6/26-28, New Orleans, LA, MMS GOM workshop, exec comm./session leader

306. 7/8-11, Chapel Hill NC, SEACOOS EXCOM mtg.

307. 7/12, St. Petersburg, FL, TPRPC hurricane storm surge presentation.

308. 8/28, Washington, DC, SURA Coastal Committee

309. 10/9, New Orleans, LA, NRC Comm. on N. O. Hurricane Protection System.

310. 10/22-24, 30?, St. Pete Beach, FL, SEACOOS/SECOORA workshops. ()4

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326. 5/21, Norfolk VA. Why red tide was mild on the WFS in 2008. NOAA ECOHAB mtg. (presented by Y. Liu).

327. 5/29, St. Petersburg, FL. Presentation to FWC fisheries workshop on COMPS observations/models

328. 6/16, St. Pete Be., FL. Keynote address at SPB Hurricane awareness workshop.

329. 7/13, Stennis, MS. Team leader for NRL, Battlespace Environments site review.

330. 8/17, Raleigh NC. WFS mean circulation observed by long-term moorings. MABPOM-SECOM conference (presented by Y. Liu)

331. 9/10, St. Petersburg, FL. Eastern Gulf of Mexico circulation. Invited presentation Agency on Bay Management oil drilling public symposium.

332. 9/18, Fascati, Italy. Validation of X-TRACK coastal altimetry on the West Florida Shelf by LY. Liu, R.H. Weisberg, S. Vignudelli, L. Roblou. Presentation at "The 3rd Coastal Altimetry Workshop," Frascati, Italy (presented by S. Vignudelli).

333. 9/14, Raleigh, NC. SECOORA Board mtg.

334. 10/5, St. Petersburg, FL. Presentation to Century Committee, RE: oil drilling.

335. 10/15, St. Petersburg, FL. Presentation to CARA-GCOOS ecological modeling workshop.

336. 10/12, St. Petersburg, FL. Presentation to TBRPC, RE: oil drilling.

337. 10/20, Tampa, FL. USF Unstoppable Campaign (six different topical PPTs provided for display).

338. 12/2, St. Petersburg, FL. Presentation to USACE, RE: Tampa Bay.

339. 1/20/10, Tampa, FL. Coastal Ocean Circulation Modeling with Applications to Red tide and Storm Surge, USF Symposium on High Performance Computing.

340. 1/25&6, Baltimore, MD. Invited presentation at interagency Water Quality Workshop

341. 2/4, St. Petersburg, FL. Invited presentation, FDEP Estuarine Nutrient criteria workshop

342. 2/11, Tampa, FL. Invited panelist for USF School of Sustainability event.

343. 5/7, St. Petersburg, FL. Invited briefing of Sen. Nelson on oil spill.

344. 5/12,13, Savanna GA. Liu, Y., R.H. Weisberg, L. Zheng, and C. Hu. Tracking Gulf of Mexico Oil Spill with Numerical Models and Satellite Imagery. Southeast Coastal Ocean Observing Regional Association (SECOORA) 2010 Annual Board & Membership Meeting.

345. 5/20, St. Petersburg, FL. Zheng, L, Y. Liu and R.H. Weisberg. WFS circulation relative to the red-tide bloom evolution for 2001. ECOHAB PI meeting.

346. 5/26, Washington, DC. Invited (by Chancellor Brogan) briefing of the Florida delegation on the oil spill.

347. 5/26, St. Petersburg, FL. Zheng, LY. and R.H. Weisberg. Invited presentation. What may have happened here had Hurricane Ivan visited us instead of Pensacola? Presented at Greater Tampa Bay ACP meeting. (presented by Zheng)

348. 5/27, Tallahassee, FL. Fourth Annual SouthEast Coastal Oceanography and Meteorology (SECOM) Conference. Presentation on wave modeling by Y. Huang.

349. 6/2, Shanghai, China. Zheng, LY. and R.H. Weisberg. Tampa Bay circulation driven by rivers, tides and winds, and its connection with the Gulf of Mexico: How the bay flushes? Invited presention at East China Normal University.

350. 6/7, Xiamen, China. Zheng, LY. and R.H. Weisberg. Automated Deepwater Horizon oil spill trajectory prediction. Invited presentation, Third Institute of Oceanography, State Oceanic Administration, Xiamen, China.

351. 6/9, Plant City, FL. Liu, Y., R.H. Weisberg, Lianyuan Zheng, and Chuanmin Hu: Gulf Oil Spill Ramifications, *Contact Breakfast* hosted by the Greater Plant City Chamber of Commerce and sponsored by Tampa Electric, (*invited speaker*).

352. 6/11, St. Petersburg, FL. Invited briefing of Sen. Nelson on oil spill.

353. 6/15, Washington, DC. Testify before House Committee on Natural Resources, Subcommittee on Insular Affairs the Oceans and Wildlife; followed by a briefing of the Florida delegation invited by Congresswoman Castor.

354. 6/17, St. Petersburg, FL. Invited briefing of City Council on oil spill.

355. 6/18, St. Petersburg, FL. Liu, Y., R.H. Weisberg, Chuanmin Hu, and Lianyuan Zheng. Tracking/predicting the oil spill trajectory in the Gulf of Mexico using numerical models and satellite imagery. USF/CMS Postdoctoral Fellow and Research Staff Summer Colloquium.

356. 6/23&4Washington, DC. Invited presenter at SURA model test-bed workshop.

357. 7/14, Seminole, FL. Invited speaker, St. Petersburg College Inst. For Public Policy. Impact of the oil crisis in the Gulf on Tampa Bay

358. 8/2, Tampa, FL. Invited briefing of Sen. Nelson on oil spill.

359. 8/16, St. Petersburg, FL. Invited briefing of Florida Century Committee on oil spill.

360. 8/19, Homosassa Springs, FL. Invited presentation on Deepwater Horizon oil spill given to Withlacoochee Area Residents, Inc.

361. 8/26, Tampa, FL. Invited presentation on Deepwater Horizon oil spill given to Florida Bar Association.

362. 9/16, Orlando, FL. A coordinated modeling approach in support of oil spill tracking. Weisberg, R.H., L.Y. Zheng, V.H. Kourafalou, E.P. Chassignet. Presented by L.Y. Zheng at FIO PI Coordination Workshop.

363. 10/5, St. Pete Be, FL. Invited participant, JSOST oil spill workshop.

364. 10/6, Tampa, FL. Where did the oil go and why? Invited presentation (by USACE-Jacksonville Office) at the Western Dredging Assoc. Mtg.

365. 10/11, Tampa, FL. Modeling the location of the Gulf oil spill. USF Research I invited presentation.

366. 10/16, San Antonio, TX. The Gulf Oil spill. Weisberg, R.H., Y. Liu, L.Y. Zheng and C. Hu. Keynote address at CSDMS meeting. Presented by Y. Liu.

367. 11/3, Palm Be. Gardens, FL. Invited presentation, FAU Conference on: Sustainable Ocean Energy and the Marine Environment.

368. 11/16, St. Petersburg, FL. Invited presentation at Sierra Club et al. sponsored public forum on the Gulf of Mexco oil spill.

369. 11/19, Tampa, FL. Invited seminar on renewable energy for Florida, USF Geography Dept.

370. 11/22, Tampa, FL. Invited presentation at Congresswoman Castor press conference.

2011

371. 1/21, St Petersburg, FL. Invited presentation on Deepwater Horizon oil spill

391. 12/6-7, Washington DC, Mtgs/ Caster and Markee; Invited testimony before House Committee on Transportation.

2012

392. 1/12 St. Petersburg, FL, C-Image Meeting.

393. 3/37, Pensacola FL, HABIOS mtg.

394. 4/4, Tampa FL, Invited speaker at annual FWCAMS banquet.

395. 5/1, Usseppa Is., FL, Invited speaker Usseppa Library

396. 5/8, Miami, FL, SECOORA mtg.

397. 5/16. Yankeetown FL, invited speaker, Withlacoochee River Community Center.

398 8/21, 22, Tallahassee FL. Deep-C mtg.

399. 10/23, Miami FL, USCG mtg.

400. 11/13-15, Boulder CO., Invited speaker, ESPC mtg.

2013

401. 2/26-2/28, Tallahassee FL., Deep-C mtg.

402. 4/4-4/5, College Park, MD. SURA CERC mtg.

403. 4/19, Houston TX, GOMURC mtg.

404. 5/13-15, Jacksonville FL., SECOORA Board and PI mtg.

405. 6/25, Tampa, FL, GOMURC mtg.

406. 9/9-8/11, Tallahassee FL., Deep-C mtg.

407. 9/16, Pasco Co., FL., Restore Act presentation.

408. 10/24, FGCU, invited seminar.

409. 11/4-11/6, Baltimore MD., GODAE Workshop

2014

410. 4/2, St. Petersburg, FL, FIO/USCG mtg presentation

431. 12/7-9, Charleston, SC, SECORA Bd Mtg.

2017
432. 1/5, Marco Is., FL, Invited speaker at Marco Island Shell Club.

433. 2/2

nowcast/forecast system with application to Hurricane Irma. 2018 Graduate Student Symposium, USF-CMS, St. Petersburg. Jan 12, 2018 (oral presentation).

450. 2/13, Invited SECOORA Webinar

451. 4/4, Dania, FL., invited talk on Hurricane Irma effects on the south Florida reef track

452. 4/11, St. Petersburg, FL, invited presentation on red tide to A. Busch III.

453. 6/20, Invited NOAA NOS Webinar on red tide.

454. 6/27, Invited NOAA webinar on coastal ocean modeling

455. 6/28, New Port Richie, FL, Invited talk to the Calusa Boat Club ($1000 honorarium donated to CMS).

456. 7/10, Palmetto, FL, Invited presentation to fisheries group, SeaGrant outreach.

457. 8/15, Tierra Verde, FL, Tampa Bay Watch presentation.

458. 10/30, St. Petersburg, FL, Invited ICAR confr. Presentation.

459. 11/16, Boca Grande, FL., Invited presentation on red tide to Barrier Is Parks Society.

460. Chen, J., R.H. Weisberg, Y. Liu, and L. Zheng (2018), Tampa Bay Coastal Ocean Model natural hazards modeling. The inaugural event of the Joint Institute for the Gulf of Mexico Studies. St. Petersburg, Oct 2018 (poster presentation).

2019

461. 1/15, Tallahassee, FL, How oil arrived on northern Gulf beaches, presentation at GoMRI workshop.

462. 1/20, St. Petersburg, FL, Public outreach lecture on sea level at Congr. B'nai Israel.

463. 3/28, Clearwater Be., FL, Invited presentation, Pinellas Co. Red Tide Summit.

464. 4/17, Tampa, FL, Invited keynote presentation at FWEA Utility Council Annual Mtg.

465. 5/28, Tierra Verde, FL, Invited presentation to Tierra Verde community Association

466. 6/12, Nokomos, FL, Invited presentation on red tide at Nokomos Community Center.

467. 6/17, Houston TX, Invited presentation at Industry meeting on the NASEM GRP.

17) FWC-FWRI, FWC Agreement No. 20035. New interdisciplinary approaches to red tide tracking and forecasting on the West Florida Shelf, 130,103 for the period 9/14/20-6/30/21, sub award to R.H. Weisberg and Y. Liu, co-PIs (K. Buck, overall project PI).

PREVIOUS GRANTS:

NSF Grant #OCE74-01739 "Equatorial Currents and hydrographic observations during the GARP Atlantic Tropical Experiment (GATE)." Total Award = $300,300 for the period 1/1/74 -11/30/76. Principal Investigators: J.A. Knauss, L. Miller, and R.H. Weisberg.

NSF Grant #OCE76-09786 "GATE Oceanographic Program Equatorial Current & Hydrographic Observations." Total Award + $282,000 for the period 04/01/76 - 03/31/79. Principal Investigator: R.H. Weisberg.

NSF Grant #ATM77-11297, GATE Oceanographic Program Equatorial Current Analyses." Total Award = $25,851 for the period 06/15/77 - 11/30/78. Principal Investigator: R.H. Weisberg (URI subcontract).

UNC Marine Sciences Council - "Time Dependent Hydrography of the Cape Fear River Estuary." Total Award = $4,000 for the period 07/01/77 - 06/30/78. Principal Investigators: R.H. Weisberg & L.J. Pietrafesa.

NOAA Sea Grant, "Physical Studies of Pamlico Sound N.C." Total Award = $166,433 for the period 01/01/78 - 12/31/80. Principal Investigators: R.H. Weisberg, G.S. Janowitz and L.J. Pietrafesa.

NSF Grant #OCE-7820396, "Time Dependent Motions in the Equatorial Atlantic. Total Award = $129, 639 for the period 11/15/78 - 08/31/81. Principal Investigator: R.H. Weisberg.

NOAA Sea Grant, "Analysis and Prediction of Ocean Surface Gravity Waves on the N.C. Coast." Total Award = $82, 162 for the period 01/01/79 - 12/31/81. Principal Investigators: C.E. Knowles and R.H. Weisberg.

NOAA-ERL Contract #NA80RAC00026, "Deep Ocean Variability During EPOCS. Total Award = $270,756 for the period 10/79 - 09/30/82. Principal Investigator: R.H. Weisberg.

NSF Grant #OCE-7923335, "Seasonal Variability in the Equatorial Atlantic." Total Award = $587,826 for the period 05/15/80 - 01/31/83. Principal Investigator: R.H. Weisberg.

NOAA-ERL Contract #NA83RAC00021, "EPOCS Deep Ocean Variability Analysis." Total Award = $45,000 for the period 10/01/82 - 09/30/83. Principal Investigator:

$119,304 for the period 12/01/90 - 07/31/91.

NOAA Sea Grant R/NOS-1, Physical factors affecting the circulation of Tampa Bay. $24,171 for the period 05/01/91 - 03/31/92. R. H. Weisberg, Principal Investigator.

USGS Contract #1408-0001-A0577. West Florida Shelf Initiative, R.H. Weisberg, A.C. Hine and P.R. Betzer, Principal Investigators, award for FY93 = $18,376 (plus a university equipment match of $112,000). Note that the above P.I.'s agreed to a budget reduction on this contract to allow new P.I. 's to join the west Florida shelf initiative with new projects.

FDNR Contract #C-7957. Acquisition of oceanographic data, R. H. Weisberg, Principal Investigator, Total award = $60,000 for the period 11/16/92 - 11/15/93.

USGS Contract #1408-0001-A0577. Wetlands Project - Physical factors affecting salinity intrusion, R.H. Weisberg and A. C. Hine, Principal Investigators, award for FY93 = $64,279.

NATIONAL TAIWAN UNIVERSITY. Turnkey acoustic doppler current profiler mooring II, R.H. Weisberg, Principal Investigator, Total award = $107,046 for the period 10/05/91 - 04/30/92.

NATIONAL TAIWAN UNIVERSITY. Monitoring of upper ocean currents and temperature at 0, 170^0W in collaboration with the National Taiwan University, FY93, R.H. Weisberg, Principal Investigator, Total award = $28,566 for the period for the period 09/01/92 - 08/31/93.

NSF Grant #OCE-8813378. Equatorial Pacific Ocean current instabilities, R.H. Weisberg, Principal Investigator, Total award for the 3.5 - year continuing period 03/15/89 - 11/30/92 = $985,605.

NSF Grant #OCE-9202737. Dynamics and energetics of the upper equatorial Pacific, Co-PI with E. Johnson, total award = $23,500 for the period 12/92 - 9/23. This was Johnson's grant. I was on it for administrative purposes.

USGS Contract #1408-0001-A0577. West Florida Shelf Initiative, R.H. Weisberg , A.C. Hine and P.R. Betzer, Principal Investigators, award for FY92 = $62,747 (plus a university equipment match of $370,000).

USGS Contract #1408-0001-A0577. Wetlands Project - Physical factors affecting salinity intrusion, R. H. Weisberg and A.C. Hine, Principal Investigators, award for FY92 = $73,287.

USGS Contract #1434-94-A-1185. West Florida Shelf Hydrography and Circulation,

the period 11/1/97-2/28/05.

NSF Grant # OCE-0118566, Collaborative research: Particulate organic carbon fluxes and sediment accumulation in the Cariaco Basin, co-investigator with F. Muller-Karger, R.H. Weisberg portion = 232,816 for the period 10/1/01-9/30/03.

FFWCC/FMRI Grant # S 7701 622006, Refinement of an electronic logbook to support fishing operations by spatially predicting shrimp abundance in relation to environmental conditions off the west coast of Florida, R.H. Weisberg, P.I., 22,500 for the period 3/3/04-6/30/05.

NOAA Grant # NA16GP1571: Diagnostic studies of the equatorial Atlantic cold tongue, R.H. Weisberg, G. Mitchum, and G. Lagerloef (ERS) co-P.I.s, 358,300 for the 3 year period beginning 9/1/01 (NCE for FY05-06).

FFWCC/FMRI Grant #DO138085, Observing and modeling near shore circulation on the inner portion of the WFS in support of red tide studies in relation to Calosahatchee River flow, R.H. Weisberg, P.I., 79,918 for the period 7/20/05-9/8/05.

FFWCC/FMRI Grant #, Hindcasting the West Florida Shelf circulation during the 2005 red-tide, R.H. Weisberg, P.I., 26,250 for the period 2/27/06-6/30/06.

ONR Grant # N0014-00-1-0253, Bottom stationed ocean profiler, R.H. Weisberg, R.H. Byrne, and C. Lembke co-P.I.s, 1,725,478 for the period 12/1/99-7/31/05.

FFWCC/FMRI Grant # S 7701 620071, NOAA/MERHAB Eastern GOMx Sentinal Program, J.J. Walsh, R.H. Weisberg, C. Lembke, and D. Fries, co-P.I.s, 1,150,000 for 5 years. R.H. Weisberg portion is 623,171.

ONR Task Order #:3-12110-10 (administered by Univ. of North Carolina), Southeast Atlantic Coastal Ocean Observing System (SEACOOS), R. H. Weisberg and M. Luther, co-P.I.s, 3,228,578 for the period 9/1/02-8/31/07.

NSF Grant # OCE-0326268, Collaborative research: The Cariaco Basin Oceanographic Time Series Program, co-investigator with F. Muller-Karger, Five year continuing award, R.H. Weisberg portion = 660,092 for the period 10/1/03-9/30/08.

NOAA/COTS Grant # , Enhancements to the Coastal Ocean Monitoring and Prediction System for west Florida, M.E. Luther and R.H. Weisberg, co-P.I.s, 1,938,943 for the period 8/1/04-7/31/06, R.H. Weisberg portion = 1,428,966. P.I.sod 8/30/07.

FL-DEP Contract # DO329620, Assessing red-tide bloom movement using surface Drifters, R.H. Weisberg, P.I., 18,000 for 8/28/06-5/30/07.

FL-

SC SEAGRANT, federal pass through from NOAA, NA07NOS4730409, Maintaining moored observations for SECOORA, R.H. Weisberg, P.I., 165,000 for the period 8/1/10-7/31/11 (NCE for FY12).

FL-

Zheng and R.H. Weisberg, PIs, Total award = 71,975 for the period 6/25/13 to 8/31/15.

The Florida State University - Subcontract R01489, pursuant to Ocean Leadership Subaward SA 12-12/GoMRI-008, Deep-C Project Consortium, R.H. Weisberg, P.I., $555,000 for the period 10/1/12 to 12/31/15.

Pinellas Co., FL, Coastal Ocean Monitoring and Prediction System (COMPS): Publicly Accessible Real Time Winds, Waves and Currents from Pass-a-Grille Channel, R.H. Weisberg, P.I., 233,934 for the period 8/1/16-7/31/18; NCE through 12/31/19.

NAS Award # 2000009327, Irma Equipment Repair Award, 47,165 for the period 4/1/18-3/31/19, R.H. Weisberg, PI.

Summary: Previous cumulative funding as P.I., 32,039,834.
Previous cumulative funding as P.I. while at USF, 28,921,523.

RESEARCH CRUISES:

January 1970, Member of scientific party aboard R/V TRIDENT, North Atlantic Currents Study.

Fall 1970 and Fall 1972, Several estuarine research excursions for Ph.D. and M.S. Dissertation Projects.

April 1972, Member of scientific party aboard R/V TRIDENT, Atlantic Equatorial Undercurrent Study.

July 1974, Chief Scientist, R/V TRIDENT, Cruise 155, Equatorial Currents and Hydrographic Measurements during the GARP Atlantic Tropical Experiment (GATE).

August 1974, Co-Investigator, R/V TRIDENT, Cruise 156, Equatorial Currents and Hydrographic Measurements during the GARP Atlantic Tropical Experiment (GATE).

Waves in the Gulf of Guinea.

February 1981, Chief Scientist, R/V ENDEAVOR, Seasonal Variability in the Equatorial Atlantic.

November 1981, Chief Scientist, R/V GYRE, Seasonal Variability in the Equatorial Atlantic.

February 1983, Co-Investigator, R/V CONRAD, Seasonal Response of the Equatorial Atlantic (SEQUAL).

March 1984, Chief Scientist, R/V KNORR, Seasonal Response of the Equatorial Atlantic (SEQUAL).

June 1989, Principal Investigator, N/S BALDRIGE, TOGA Monitoring array.

May 1990, Chief Scientist, R/V WECOMA, Tropical Instability Wave Experiment (TIWE).

January 1992, Chief Scientist

Several Pamlico Sound excursions 1978-1979.

NOAA TOGA Program cruises in the equatorial Pacific 05/88, 04/90, 02/91, 01/92, 03/93, 03/94, 03/95.

NSF TIWE Project 06/91.

NSF/NOAA TOGA-COARE Program 03/93.

West Florida shelf deployment, Project Leader (non-participant), R/V GILBERT, 03/09/94.

NSF and NOAA cruise to equatorial Pacific, Project Leader (non-participant), R/V MOANA WAVE, 03/15 - 04/05/94.

West Florida shelf deployment, Project Leader (non-participant), Charter boat 07/16/94, R/V SUNCOASTER 01/95, R/V BELLOWS 07/95.

The COMPS/ECOHAB/ONR Projects have had cruises on a monthly basis since July 1998.

I continue to have responsibility for all cruises on the West Florida Shelf associated witgi(on -2 (t)-2 (gi5)-2

LJO-SMS, United States District Court for the Eastern District of California, deposed on February 22, 2010.

Al Cossey v State Farm Fire & Casualty Company, Cause No.: 05-0381, in the Circuit Court of Hancock County Mississippi, Testimony on July 21, 2010.

Written and oral testimony before the US House of Representatives, Committee on Natural Resources, Subcommittee on the Oceans, Wildlife and Insular Affairs, Washington DC, June 15th 2010, as pertaining to the Deepwater Horizon Oil Spill.

Written and oral testimony before the US House of Representatives, Committee on Transportation and Infrastructure, Washington DC, December 7th 2011, as pertaining to H.R. 3096, the Restore Act.

Karen Pickett, Robbie Pickett and Archie Pickett Individually and as heirs at law of The Estate of Thomas Pickett