

VITAE

NAME: Robert H. Weisberg

DATE OF BIRTH: May 20, 1947

PRESENT POSITION: Distinguished University Professor
College of Marine Science
University of South Florida
140 Seventh Avenue South
St. Petersburg, Florida 33701
727-553-1568
weisberg@usf.edu

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:

Fellow, SURA
Phi Kappa Phi Honor Society and USF Chapter Scholar of the Year, 2011

NOPP Excellence in Partnering Award, 2007
 Distinguished University Professor, 2007
 President's award for excellence, USF, 2003
 Professorial Excellence Award, USF, 1998
 American Geophysical Union Editor's citation for excellence in refereeing for
 Geophysical Research Letters, 1995
 Sigma Xi

PROFESSIONAL AFFILIATIONS:

Oceanography Society
 American Geophysical Union
 American Meteorological Society

TEACHING:

Introductory Physical Oceanography
 Gravity Waves
 Long Waves
 Analysis of Oceanographic Time Series
 Ocean Circulation Dynamics I & II
 Readings in Ocean Circulation
 Equatorial Dynamics
 Readings in Descriptive Physical Oceanography
 Seminar
 Environmental Fluid Mechanics
 Readings in Climate Modeling
 Ocean Mixed Layer
 Lectures in Introduction to Oceanography

GRADUATE STUDENT COMMITTEE CHAIRMANSHIPS:

R. Chao	M.S.	05/80	NCSU
M. Purba	M.S.	05/82	NCSU
C.K. Wu	M.S.	05/82	NCSU
A. Horigan	Ph.D.	05/82	URI (Co-Chairman)
T.Y. Tang	Ph.D.	05/84	NCSU
C.K. Wu	Ph.D.	05/85	NCSU
T.J. Weingartner	Ph.D.	05/90	NCSU
Zhen Li	M.S.	12/93	USF
M.R. Zhang	M.S.	08/94	USF
C. Wang	Ph.D.	08/95	USF
L. Qiao	Ph.D.	05/96	USF
Zhenjiang Li	Ph.D.	05/98	USF
B. Black	M.S.	08/98	USF

E. Siegel	M.S.	5/99	USF
R. He	Ph.D.	5/02	USF
R. Helber	Ph.D.	5/03	USF
J. Virmani	Ph.D.	5/05	USF
Y. Liu	Ph.D.	5/06	USF
J. Zhu	Ph.D.	6/15	OU, PRC
A. Reinert	M.S.	5/16	USF
B. O'Loughlin	M.S.	12/16	USF

Summary: PhDs awarded, 12 total, 8 at USF
 MSs awarded, 9 total, 6 at USF

Note: two of my former students are designated Distinguished University Professors, Ruoying He at North Carolina State University and Chunzai Wang at the Chinese Academy of Sciences.

OTHER CURRENT GRADUATE STUDENT COMMITTEES:

I presently supervise 4 graduate students and I serve on the committees of 1 other graduate student.

OTHER PERSONNEL SUPERVISION:

I presently supervise 4.5 professional research staff (2 with PhD).

Mentoring of 11 post-doctoral associates, 5 outside of my pool of students.

EDITOR:

Editor, Journal of Geophysical Research – Oceans, 2006-2010.

International Advisory Board, Terrestrial, Atmosphere & Ocean Sciences, Chinese Geoscience Union, Taipei, Taiwan, 1998-2007.

Guest editor, Geophysical Research Letters, special issue, SEQUAL/FOCAL: First Year Results on the Circulation in the Equatorial Atlantic, 11 August 1984.

Co-editor, with Y. Liu, A. MacFadyen and Z.-G. Ji, Monitoring and Modeling the Deepwater Horizon Oil Spill: A Record-Breaking Enterprise, Geophysical Monograph Series, Vol. 195, 271 PP., ISSN: 0065-8448, ISBN 978-0-87590-485-6. AGU/geopress, 2011, Washington D.C.

Co-editor, with Y. Liu and H. Kerkering *Coastal Ocean Observing Systems*, Elsevier, London, ISBN: 978-0-12-802022-7, 2015, 461pp.

REFEREE:

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
Journal of Climate
Marine Technology Society
EOS
Dynamics of the Atmosphere and Ocean
MTS Journal
Hudson River Foundation
WHOI Sea Grant
Georgia Sea Grant
NOPP
NASEM

CONSULTING:

EG&G Environmental Consultants, 1975-1976
Harbridge House, 1976-1977
Earth Resources & Technology, 1977
Jaycor, 1978-1980
Science Applications Inc., 1982
Research Triangle Institute, 1984
Florida Dept. of Environmental Regulation, 1985-1989
Town of Redington Beach (pro bono), 1988
Shore Acres Citizens (pro bono), 1989
Northwest Florida Water Management District, 1991-1994
State Attorney, 1991, 1994, 1997
Consultant to US Army Corps of Engineers, 1992-1993, 1995-1996
Consultant to King Engineering, 1992
Environmental Permitting Inc., 1994
St. Petersburg Police Dept., 1994
Coastal Planning and Engineering, 1996
Ocean Farming, 1998
City of Gulfport, FL., 2000
Ft. DeSoto Boat Storage, 2000
NOVA Southeastern Univ., 1998-2004
CORE/JOI/SURA, 2006

Research Planning Inc., 2006-2007
Manatee Co. Emergency Management, 2007
LIST Group/WoodsConsulting, 2008
Williams Pipeline, 2010
Expert Witness Testimony/Investigations, 1990-present

CIVIC SERVICE:

Youth Soccer Coach, Capital Area Soccer League, Raleigh, NC., 1982-1983.
Assistant Youth Soccer Coach, Southside Soccer League, St. Petersburg, FL. 1987.
Board of Trustees, Congregation B'nai Israel, St. Petersburg, FL., 1988-1996
3rd Vice Pres., Congregation B'nai Israel, St. Petersburg, FL., 1989-1990
2nd Vice Pres., Congregation B'nai Israel, St. Petersburg, FL., 1991
1st Vice Pres., Congregation B'nai Israel, St. Petersburg, FL., 1992-1993
President, Congregation B'nai Israel, St. Petersburg, FL., 1994-1996
Exec. Comm., Congregation B'nai Israel (as immediate past president), 1996-1999
Televised interview, WUSF Science Adventures series, 11/97 and 3/98.
Televised interview, Ch. 8 with Bob Hite, on El Nino 11/97; on WFS 2/02.
National Public Radio interview on El Nino with B. O'Brien, 3/98.
Televised interview on storm surge, Ch. 8, 2/98 and 8/00.
Newspaper article on storm surge (St. Pete. Times, J. Klinkenberg), 7/98.
Newspaper article on oil spills (Ft. Myers. News, K. Lawlor), 11/01.
Televised interview on coastal upwelling, Ch. 9 with Berardelli, 8/98.
Lectures on El Nino at St. Petersburg High School, 11/95, 11/97, 11/98.
Lectures on oceanography at John Hopkins Middle School, 11/00, 11/01, 11/02, 11/03, 11/04.
Public availability on the internet of real time monitored and delayed mode data and a model circulation nowcast/forecast for the west Florida continental shelf via <http://COMPS.marine.usf.edu> and <http://ocgweb.marine.usf.edu>.
Public availability on the internet of a power point hurricane storm surge simulation at <http://ocgweb.marine.usf.edu>.
Hurricane storm surge briefing at the NWS, Ruskin FL, 6/00
Hurricane storm surge briefing at the USGS, St. Petersburg FL, 9/02
Hurricane storm surge briefing at FEMA mtg, Redington Be. FL, 9/02
Hurricane storm surge briefing at Pinellas Co, Clearwater FL, 10/03
Numerous media hurricane storm surge interviews, summer/fall 2004
Numerous Tsunami media interviews, winter 2004
Numerous media (TV and print) hurricane storm surge interviews, summer/fall 2005
Numerous media (TV and print) hurricane storm surge interviews, summer/fall 2006
Invited keynote speaker, Town hall meeting of Congressman J. Davis, Tampa FL, 4/3/06
Letters to Senators, Congressmen, and Governor regarding oil drilling, spring 2006.
Invited panelist at showing of "An Inconvenient Truth," Tampa FL, spring 2006.
Keynote speaker, WFAMS Annual Banquet (Worst case hurricane for TB), 6/06
Keynote speaker, Manatee Co. Hurricane Awareness Meeting 6/07
Numerous media (TV, print, radio) hurricane storm surge interviews, 2007

Pro-bono consultant, Pinellas Co. property appraiser's office hurricane storm surge, 2007
Numerous media (TV, print, radio) hurricane storm surge/coastal ocean interviews, 2008
Meeting with Congresswoman K. Castor regarding oil drilling, fall 2008.
Keynote speaker, SPB Hurricane Awareness Meeting, 6/09
Numerous media (TV, print, radio) hurricane storm surge/coastal ocean interviews, 2009
Board of Trustees, Menorah Manor Foundation, elderly care through nursing home and assisted living. 2003-2010
Countless TV, radio, and print interviews on Deepwater Horizon oil spill, 2010.
Numerous invited public presentations on Deepwater Horizon oil spill, 2010.
Oil spill tracking forecasts used by NOAA Hazmat in their daily briefings, 2010.
Numerous oil spill briefings to area Representatives (Young, Castor, Bilirakis) and Senator Nelson, 2010.
Board of Trustees, Menorah Manor, elderly care through nursing home and assisted living. 2010-present; Treasurer 2012-2014.
Florida Bar, Pinellas County Grievance Committee, 2010-2012.
Testimony before House Committee on Natural Resources, Subcommittee on Insular Affairs, the Oceans and Wildlife, 6/15/10
Invited op-ed. piece on oil spill, St. Petersburg Times, 6/5/11
Testimony before House Transportation Committee, 12/7/11
Invited op-ed. piece on oil spill, St. Petersburg Times, 1/31/12
Board of Trustees, Menorah Manor, elderly care through nursing home and assisted living. Chairman of the Board Elect 2015-present.
Numerous red tide interviews
Numerous Hurricane storm surge interviews
National and local TV, radio, and newspaper interviews regarding the 2018 red tide.
Several public speaking engagements regarding the 2018 red tide (see presentations).
Chairman of the Board, Menorah Manor Incorporated, skilled nursing and senior living

UNIVERSITY SERVICE:

Duke/UNC Oceanographic Consortium ship scheduling Committee 1982-1983,
Chairman, 1983.
UNC Representative to UNOLS: 1981-1984.
University Computer Committee for Teaching and Research, 1987.
University Research Council, 1987-1990.
Faculty Advisory Committee for Research and Technology, 1989-1991.
Graduate Research Professor Review Committee, 1990.
University Task Force on Future Academic Frontiers, 1990, 1991.
CAS Strategic Planning Committee.
SACS committee on academic computing, 1993-1994.
Ocean Engineering Institute Steering Committee, 1993-1994.
Chairman, Dept. Faculty Recruiting Committee, 1989-1990.
Chairman, Dept. Computing Committee, 1986-1989.
Chairman, Department Budget Committee, 1991-1993.
Plus additional Dept. committee memberships not listed.

Senior thesis advisor to Ms. E. Lipp, New College, S93
Undergraduate student summer intern host for 2 New College juniors, 1990.
Undergraduate student summer intern host for 1 Eckerd College junior, 1995.
Undergraduate summer intern host, 1996.
Director, USF Global Change Research Center (through 7/02)
CAS Faculty Development Committee, 2000
CAS 2010 Committee, 1999-2000
CMS transition committee 2000, co-authored Mission Statement and Governance Docs.
CMS Dean's Advisory Committee 2000-2002
USF representative on the SFOMC Board of Directors
Faculty mentor for G. Mitchum (T/P awarded 7/02), P. Howd, and M. Howell
Co-author (with J.J. Walsh and P.R. Betzer) of QUEST FL., a joint institute for the
Quantitative Ecology of the west Florida shelf.
USF DUP Discipline committee, 2002 and 2003
USF Representative to the SURA Coastal Ocean Committee, 2003-2007
Co-author (with J.J. Walsh) of COAR, a Center for Ocean Applied Research.
Eminent Scholar Lecture Series committee and host, 2003-2008
Chairman, CMS ad-hoc committee on additional compensation, 2003-2005.
Faculty Senate 2005-2008
USF committee on committees 2005-2008
Ad-hoc committee on Dean search – drafted points of reference with A. Hine, spring-
summer, 2006
USF Budget Advisory Task Force, summer/fall 2007
President's CMS Liaison Committee, Chairman, 2007
Ad-hoc committee for World Class Scholar recruitment, 2007
CMS tenure and promotion, admissions/awards committees, 2007-present
Seminar speaker host, 2007
USF Budget Working Group, 2008-2009
USF Research Advisory Board, 2009-2014
USF High Performance computer Comm., 2008-present
Authored (with A. Hine) the successful FIO AISO proposal, 2009
USF FESC, 2009-present.
Application for Honorary Degree Preparation
Faculty mentor for D. Chambers
Seminar speaker host, 3/23/18
Chem. Oceanogr. Search Committee co-Chair, 2008

OTHER PROFESSIONAL SERVICE:

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.

Technical Working Group, Apalachicola Bay, FL., NFWFMD, 1990-1995.

USACOE, Biological review advisory panel on New York Bight, 1992-1993 and New
York Harbor, 1994-1996.

Science advisor to National Taiwan University Coastal Oceanography Program
1991-2001.

Member, TOGA-TAO array implementation panel, 1992-1995.

Panel member, UNOLS intermediate vessel mid-life refit committee, 1992-1993.

Tampa Bay National Estuary Program, Technical Advisory Committee, 1991-1992.

Member, NOAA-OGP PACS Implementation panel 1996-1998.

Member, NOAA-OGP, NAME, SSG 2000

SURA SCOOP Leadership Group 2001-2003

SE-COOS science steering committee 2001

Organizing committee, IASI-IOCARIBE-RODAE workshop, Barbados W.I., 2002

OCEAN.US Coastal Ocean Observing System summit resolution signatory, April, 2003

Invited Juror, PhD defense for A. Barth, University of Liege, Liege, Belgium, 10/11/04.

Invited Juror, PhD defense for A. Alvera, University of Liege, Liege, Belgium, 10/13/04.

Chairman, SEACOOS Observational Working Group, 2002-2008.

Member, SEACOOS Modeling Working Group, 2002-2008.

Executive Committee member, SEACOOS, 2002-2008.

AMS, STACS Coastal Environments Committee, 2002-2010.

NOAA-Science Advisory Board, NCEP Ocean Modeling Review Comm., 2003-2009.

Session Convener for the AGU 2007 joint assembly in Acapulco, MX.

FL COOS Caucus member and contributor

SURA SCOOP Leadership Group 2007-2010

National Academies, National Research Council Committee on New Orleans Regional
Hurricane Protection Projects, January 2006-2010.

Team Leader, NRL (Stennis, MS) Battlespace Environments site review, 2009

SURA CERC member, 2011-present

SURA Fellow, 2011-present

SECOORA BOD member, 2009-2014; 2016-present

Pinellas Co. Technical Advisory Committee, Inlet Study, 2016-present.

NAS Gulf Research Program Committee on Gulf of Mexico Loop Current Dynamics,
2016-2018

Acknowledged Reviewer, NASEM: The Future of the US Gulf Coast, 2018

LETTERS OF REFERENCE:

Promotion/tenure considerations
Government appointments
Assisted with a nomination citation for the 1988 AGU Ocean Science Award.
Assisted with USF DUP nominations.
Graduate Student applications

Chaired Macelwane award nomination for R. He
Reference letter for 2015 Vetlesen award application
Reference letter for 2017 Vetlesen award application
Nomination letter for USF honorary PhD.

BIBLIOGRAPHY

REFEREED PUBLICATIONS:

1. Duing, W., P. Hisard, C. Katz, J. Meincke, L. Miller, K.V. Moroshkin, G. Philander, A.A. Ribnikov, K. Voigt, and R. Weisberg (1975). Meander and Long Waves in the Equatorial Atlantic, *Nature*, 257, 380-384.
2. Weisberg, R.H. (1976). The non-tidal flow in the Providence River of Narragansett Bay: A stochastic Approach to Estuarine Circulation, *Jour. Phys. Oceanogr.*, 6, 721-734.
3. Weisberg, R.H. (1976). A note on estuarine mean flow estimation, *Jour. Mar. Res.*, 34, 387-394.
4. Weisberg, R.H. and W. Sturges (1976). Velocity observations in the West Passage of Narragansett Bay: A partially mixed estuary, *Jour. Phys. Oceanogr.*, 6, 345-354.
5. Weisberg, R.H. (1979). Equatorial waves during GATE and their relation to the mean zonal circulation, *Deep-Sea Res.*, Suppl. II to V. 26, 179-198.
6. Weisberg, R.H., A Horigan, and C. Colin (1979). Equatorially trapped Rossby-gravity wave propagation in the Gulf of Guinea, *Jour. Mar. Res.*, 37, 67-86.
7. Weisberg, R.H., L. Miller, J. Knauss, and A. Horigan (1979). Velocity observations in the equatorial thermocline during GATE, *Deep-Sea Res.*, Suppl. II to V. 26, 217-248.
8. Horigan, A.M. and R.H. Weisberg (1981). A systematic search for trapped equatorial waves in the GATE velocity data, *Jour. Phys. Oceanogr.* 11, 497-509.
9. Weisberg, R.H. and A.M. Horigan (1981). Low frequency variability in the equatorial Atlantic, *Jour. Phys. Oceanogr.*, 11, 913-920.
10. Weisberg, R.H. (1981). Notes on equatorial wave dispersion, in recent progress - Equatorial Oceanography: A report on the final meeting of SCOR WG47, Venice, Italy, 4/27/-30/81; McCreary, Moore, and Witte, eds., Nova Univ. Press, 313-322.
11. Weisberg, R.H. and L.J. Pietrafesa (1983). Kinematics and correlation of the surface Wind field in the South Atlantic Bight, *Jour. Geophys. Res.*, 88, 4592-4610.

12. Weisberg, R.H. and T.Y. Tang (1983). Equatorial ocean response to growing and moving wind systems with application to the Atlantic, *Jour., Mar. Res.*, 41, 461-486.
13. Tang, T.Y. and R.H. Weisberg (1984). On the response of the equatorial Pacific Ocean to the 1982/1983 El Nino - Southern Oscillation event, *Jour. Mar. Res.*, 42, 809-829.
14. Weisberg, R.H. (1984). SEQUAL/FOCAL: First year results on the circulation in the equatorial Atlantic, *Geophys. Res. Lett.*, 11, 713-714.
15. Weisberg, R.H. (1984). Instability waves observed on the equator in the Atlantic Ocean during 1983, *Geophys. Res. Lett.*, 11, 753-756.
16. Weisberg, R.H. (1984). Seasonal adjustment in the equatorial Atlantic during 1983 as seen by surface moorings, *Geophys. Res. Lett.*, 11, 733-735.
17. Weisberg, R.H. (1985). Equatorial Atlantic velocity and temperature observations: February-November 1981, *Jour. Phys. Oceanogr.*, 15, 533-543.
18. Weisberg, R.H. and T.Y. Tang (1985). On the response of the equatorial thermocline in the Atlantic Ocean to the seasonally varying winds, *Jour. Geophys. Res.*, 90, 7117-7128.
19. Philander, G., D. Halpern, D. Hansen, R. Legeckis, L. Miller, G. Paul, R. Watts, Wimbush, and R. Weisberg (1985). Long waves in the equatorial Pacific Ocean, The Oceanography Report, *EOS*, 4/2/85.
20. Weisberg, R.H. and C. Colin (1986). Equatorial Atlantic ocean temperature and current variations during 1983-1984, *Nature*, 322, 240-243.
21. Weisberg, R.H. and T.J. Weingartner (1986). On the baroclinic adjustment of the zonal pressure gradient in the equatorial Atlantic Ocean, *Jour. Geophys. Res.*, 91, 11717-11725.
22. Weisberg, R.H. and T.Y. Tang (1987). Further studies on the response of the equatorial thermocline in the Atlantic Ocean to the seasonally varying trade winds, *Jour. Geophys. Res.*, 92, 3709-3727.
23. Weisberg, R.H., D. Halpern, T.Y. Tang, and S.M. Hwang (1987). M tidal currents in the eastern equatorial Pacific Ocean, *Jour. Geophys. Res.*, 92, 3821-3826.

24. Weisberg, R.H., T.Y. Tang, T.J. Weingartner, and J.H. Hickman (1987). Velocity and temperature during the SEQUAL experiment at the equator, 28⁰W, *Jour. Geophys. Res.*, 92, 5061-5075.
25. Weisberg, R.H. (1987). Observations pertinent to instability waves in the equatorial oceans. In "Further progress on equatorial oceanography: A report of the U.S. TOGA workshop on the dynamical of the equatorial ocean", Honolulu, HI, Aug. 11-15, 1986, E.J. Katz and J.M. with eds., NOVA University Press.
26. Tang, T.Y., R.H. Weisberg, and D. Halpern (1988). Vertical structure of low frequency variability in the eastern equatorial Pacific Ocean, *J. Phys. Oceanogr.*, 18, 1009-1019.
27. Weisberg, R.H. and T.J. Weingartner (1988). Instability waves in the equatorial Atlantic Ocean, *J. Phys. Oceanogr.*, 18, 1641-1657.
28. Halpern, D. and R.H. Weisberg (1989). Upper ocean thermal and flow fields at 0⁰, 28⁰W (Atlantic) and 0⁰, 140⁰W (Pacific) during 1983-1985, *Deep-Sea Res.*, 36, 407-418.
29. Mayer, D.A., R.L. Molinari, and R.H. Weisberg (1990). Analysis of volunteer observing ship temperature fields in the tropical Atlantic Ocean. *Oceanologica Acta*, 13, 257-264.
30. Weisberg, R.H. and T.Y. Tang (1990). A linear analysis of equatorial Atlantic Ocean thermocline variability. *J. Phys. Oceanogr.*, 20, 1813-1825.
31. Weingartner, T.J. and R.H. Weisberg (1991). On the annual cycle of upwelling on the equator in the central Atlantic Ocean. *J. Phys. Oceanogr.*, 21, 68-82.
32. Weingartner, T.J. and R.H. Weisberg (1991). A description of the annual cycle in surface temperature and upper ocean heat in the equatorial Atlantic. *J. Phys. Oceanogr.*, 21, 83-96.
33. Galperin, B., A.F. Blumberg, and R.H. Weisberg (1992). The importance of density driven circulation in well mixed estuaries: The Tampa Bay experience, Proceeding Estuarine and Coastal Modelling, 2nd Int'l Conf./WW Div. ASCE, Tampa, FL. 1991.
34. Tang, T.Y. and R.H. Weisberg (1993). Seasonal variations in equatorial Atlantic Ocean zonal volume transport at 28⁰W, *Jour. Geophys. Res.*, 98, 10,145-10,153.
35. Mayer, D.A. and R.H. Weisberg (1993). A description of COADS surface Meteorological fields and the implied Sverdrup transports for the Atlantic Ocean from 30 S to 60 N, *J. Phys. Oceanogr.*, 23, 2201-2221.

36. Weisberg, R.H. (1994). Transport of Mississippi River water to the west Florida shelf, in Special NOAA Report-Coastal Oceanographic Effects of Summer 1993 Mississippi River Flooding, USDOC/NOAA Coastal Ocean Office/National Weather Service, March 1994, M.J. Dowgiallo, ed.
37. Wang, C. and R.H. Weisberg (1994). Equatorially trapped waves of a coupled ocean-atmosphere system, *J. Phys. Oceanogr.*, 24, 1978-1998.
38. Wang, C. and R.H. Weisberg (1994). On the “slow mode” mechanism of coupled ocean atmosphere models of the El Nino-Southern Oscillation (ENSO), *J. Climate*, 7, 1657-1667.
39. Jones, W.K., B. Galperin, R.H. Weisberg and T.S. Wu (1994). Influence of Sikes Cut on Apalachicola Bay, FL.; A preliminary analysis from a three-dimensional perspective, Proceeding Estuarine and Coastal Modelling, 3rd Int’l Conf./WW Div. ASCE, 1992.
40. Qiao, L. and R.H. Weisberg (1995). Tropical instability wave kinematics: Observations from the Tropical Instability Wave Experiment (TIWE), *Jour. Geophys. Res.*, 100, 8677-8693.
41. Weisberg, R.H. and S.P. Hayes (1995). Upper ocean variability on the equator in the west central Pacific at 170 W, *Jour. Geophys. Res.*, 100, 20485-20498.
42. Squires, A.P., G.A. Vargo, R.H. Weisberg, K.A. Fanning, B. Galperin (1995). Review and synthesis of historical Tampa Bay water quality data, *Florida Scientist*, 58, 228-233.
43. Weisberg, R.H., B. Black and H. Yang (1996). Seasonal modulation of the west Florida shelf circulation, *Geophys. Res. Lett.* 23, 2247-2250.
44. Wang, C. and R.H. Weisberg (1996). Stability of equatorial modes in a simplified Coupled ocean-atmosphere model, *J. Climate*, 9, 3132-3148.
45. Yang, J.Y., T.Y. Tang and R.H. Weisberg (1997). Basinwide zonal wind stress and ocean thermal variations in Equatorial Pacific Ocean, *J. Geophys. Res.*, 102, 911-927.
46. Qiao, L. and R.H. Weisberg (1997). The zonal momentum balance of the equatorial undercurrent in the central Pacific, *J. Phys. Oceanogr.*, 27, 1094-1119.
47. Weisberg, R.H. and C. Wang (1997). Slow variability in the equatorial west-central Pacific in relation to ENSO, *J. Climate*, 10, 1998-2017.

48. Weisberg, R.H. and C. Wang (1997). A Western Pacific oscillator paradigm for ENSO, *Geophys. Res. Lett.*, 24, 779-782.
49. Qiao, L. and R.H. Weisberg (1998). Tropical instability wave energetics: The Tropical Instability Wave Experiment, *J. Phys. Oceanogr.*, 28, 345-360.
50. Wang, C., and R.H. Weisberg (1998). Observations of meridional scale frequency dependence in the coupled ocean-atmosphere system, *J. Geophys. Res.*, 103, 2811-2816.
51. Morris, M., Roemmich, G. Meyers and R.H. Weisberg (1998): Upper ocean heat and fresh water advection in the western Pacific, *J. Geophys. Res.*, 103, 13023-13039.
52. Mayer, D.A. and R.H. Weisberg (1998). ENSO-related ocean-atmosphere coupling in the western equatorial Pacific, *J. Geophys. Res.*, 103, 18635-18648.
53. Wang C., R.H. Weisberg (1998). Climate variability in the coupled tropical-extratropical ocean-atmosphere system. *Geophys. Res. Lett.*, 25, 3979-3982.
54. Mayer, D.A. and R.H. Weisberg (1999). Correction to: "ENSO-related ocean-atmosphere coupling in the western equatorial Pacific," *J. Geophys. Res.*, 104, 1579.
55. Wang, C., R.H. Weisberg and J. Virmani (1999). Western Pacific interannual variability associated with ENSO, *J. Geophys. Res.*, 104, 5131-5149.
56. Yang, H and R.H. Weisberg (1999). Response of the West Florida continental shelf circulation to climatological wind forcing, *J. Geophys. Res.*, 104, 5301-5320.
57. Wang, C., R.H. Weisberg, and H. Yang (1999). Effects of the wind speed-evaporation SST feedback on the El Nino-Southern Oscillation, *J. Atmos. Sci.*, 56, 1391-1403.
58. Li, Z. and R.H. Weisberg (1999). West Florida Shelf response to upwelling favorable wind forcing: Kinematics, *J. Geophys. Res.*, 104, 13507-13527.
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 108. Kirkpatrick, G. et al. Recent results from the BreveBuster: has *Karenia brevis* lost the element of surprise? Presented at HAB2004.
 109. Liu, Y. and R.H. Weisberg: On the optimal wind direction in changing the coastal sea level along the West Florida Shelf. Poster presented at the 85th AMS Annual meeting - Sixth Conference on Coastal Atmospheric and Oceanic Prediction and Processes. San Diego, California, January 2005.
 110. Liu, Y., R.H. Weisberg and R. He: Sea surface temperature patterns on the West Florida Shelf using Growing Hierarchical Self-Organizing Maps. Oral

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 monivariate 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.

- Response of the coastal ocean on the southeast Florida shelf to tropical cyclones during the 1999-2005 hurricane seasons. Presented at the 2006 Ocean Sciences Meeting, Honolulu, Hawaii, Feb 20-24, 2006.
121. Heil, C., K. Steidinger, A. Haywood, R. Pigg, R. Weisberg, G. Kirkpatrick, C. Scholin, Development and implementation of new technology for monitoring of harmful algal blooms in Florida. Presented at the 2006 Ocean Sciences Meeting, Honolulu, Hawaii, Feb 20-24, 2006.
 122. Helber, R.W., F. Bonjean, R.H. Weisberg, E.S. Johnson, and L. Yu, Heat transport analyses of the tropical Atlantic Ocean mixed layer. Presented at the 2006 Ocean Sciences Meeting, Honolulu, Hawaii, Feb 20-24, 2006.
 123. Liu, Y. and R.H. Weisberg, Ocean current structures and sea surface height estimates across the West Florida Shelf. Poster presented at The 2006 Ocean Sciences Meeting, Honolulu, Hawaii, Feb 20-24, 2006.
 124. Nelson, J.R., H.E. Seim, R.H. Bacon, M. Fletcher, C.N.K. Mooers, R.H. Weisberg and F.E. Werner, The Southeast Atlantic Coastal Ocean Observing System (SEACOOS): Implementation of a regional program for the Southeastern United States. Presented at the 2006 Ocean Sciences Meeting, Honolulu, Hawaii, Feb 20-24, 2006.
 125. Weisberg, R.H., A coordinated coastal ocean observing and modeling system for the West Florida Shelf, Presented at the 2006 Ocean Sciences Meeting, Honolulu, Hawaii, Feb 20-24, 2006.
 126. Virmani, J. I., and R. H. Weisberg. Atlantic Hurricane Seasons: Active (2005) vs. Quiescent (2006), poster presented at Fall Annual Meeting of the American Geophysical Union, San Francisco CA., December 2006, Eos Trans. AGU, 87(52), Fall Meet. Suppl., Abstract U53B-0045
 127. Liu, Y. and R.H. Weisberg, and L.K. Shay: Current patterns on the West Florida Shelf from joint Self-Organizing Map analyses of HF Radar and ADCP data. Fall Annual Meeting of the American Geophysical Union, San Francisco CA., December 2006, Eos Trans. AGU, 87(52), Fall Meet. Suppl., Abstract OS31F-06.
 128. Alvera-Azcárate, A., A. Barth, J.I. Virmani and R.H. Weisberg. IAS Mesoscale Surface Circulation Observed Through Satellite Altimetry And Its Influence In A Small Scale, Coastal Domain, Studied With A ROMS Model Of The Cariaco Basin. AGU 2007 Joint Assembly, 22–25 May 2007, Acapulco, Mexico.
 129. Alvera-Azcárate, A., A. Barth, and R.H. Weisberg. A nested hydrodynamic model of the Cariaco Basin (Venezuela): study of the basin interactions with the Caribbean Sea. Gordon Research Conference on Coastal Ocean Modeling 17 - 22 June 2007,

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-Frequency Radar Currents and study of Loop Current generated flow, in Geophys. Res. Abs., vol. 10, 4th EGU General Assembly.
134. Barth, A., A. Alvera-Azcárate, and R. H. Weisberg (2008), Assimilation of High-Frequency Radar Currents in a Nested Model of the West Florida Shelf, in Eos Trans. AGU, vol. 88, Fall Meeting Supplement, Abstract OS52A-02.
135. Weisberg, R.H. (2008), Comparisons between 2-D and 3-D simulations of Hurricane storm surge based on an Ivan-like storm for Tampa Bay, Coastal Summit Conference, St. Pete Beach, FL
136. Zheng, L.Y. and R.H. Weisberg. Rookery Bay and Naples Bay estuarine circulation simulations: applications to tides and fresh water regulations. Presented on 11/19/08, Coastal Cities Summit, St. Pete Beach, Florida.
137. Weisberg, R.H. (2008), Lessons learned from a coordinated observing and modeling program on the West Florida Shelf, 2008 Fall Annual Meeting of the American Geophysical Union, San Francisco, CA, invited presentation.
138. Liu, Y., C.R. Merz, and R.H. Weisberg (2008), HF-radar performance on a low energy environment as found using CODAR SeaSonde on the West Florida Shelf., 2008 Fall Annual Meeting of the American Geophysical Union, San Francisco, CA.
139. Zheng, L.Y. and R.H. Weisberg. The application of FVCOM to estimate the flushing time for Snug Harbor project in Tampa Bay, Florida. Presented on 6/12/08 at

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.

149. Weisberg, R.H., Y. Liu, L. Zheng, C. Hu, and C. Lembke: Rapid Response to Deepwater Horizon Oil Spill from University of South Florida: Numerical Models, Remote Sensing, and In-situ Observations, AGU Fall Meeting, San Francisco, California, USA, December 13-17, 2010 (*Invited*).
150. R.H. Weisberg, Invited speaker: Commentary on Ocean pollution, water quality and ecology, Marine Technical Society TECHSURGE Meeting, 2011 Ocean Pollution: From Technology to Management and Policy, April 13-14, 2011, Sarasota, FL.
151. Weisberg, R.H., and Y. Liu, Invited speaker: Response to the Deepwater Horizon oil spill by the USF Ocean Circulation Group: A review, Deepwater Horizon Oil Spill Principal Investigator Conference, Sponsored by the NSTC Subcommittee on Ocean Science and Technology, St. Petersburg, FL October 25-26, 2011.
152. Liu, Y., R.H. Weisberg, S. Vignudelli, L. Roblou, and C. Merz: Altimetry on the West Florida Shelf, The 5th Coastal Altimetry Workshop, San Diego, California, October, 16-18, 2011.
153. Liu, Y., R.H. Weisberg, C. Hu, and L. Zheng, Invited speaker: Combining numerical ocean circulation models with satellite observations in a trajectory forecast system: a rapid response to the Deepwater Horizon oil spill, SPIE Conference 8030 - Ocean Sensing and Monitoring, Orlando, Florida, April 25-29, 2011.
154. Zheng, L.Y., R.H. Weisberg, R. Luettich, J. Westerink and P.C. Kerr, Implications of 2D vs 3D model formulation on Hurricane Ike storm surge, 10th Symposium on the Coastal Environment, 92nd Annual American Meteorological Society Meeting, 24 January 24, 2012
155. Zheng, L. and R.H. Weisberg, Modeling the west Florida coastal ocean by downscaling from the deep ocean, across the continental shelf and into the estuaries. Ocean Science Meeting, Salt Lake City, Utah, 2/23/2012 .
156. Liu, Y., and R.H. Weisberg, Seasonal variation of currents and sea level on the West Florida Shelf as revealed by long-term moorings, 2012 Ocean Sciences Meeting, Salt Lake City, 2/23/2012.
157. Lembke, C., R.H. Weisberg, Y. Liu, and D. English, Glider and other observations of anomalous upwelling on the West Florid Shelf in spring/summer 2010, 2012 Ocean Sciences Meeting, Salt Lake City, 2/22/2012 (poster presentation).
158. Merz, C.R., R.H. Weisberg, Y. Liu, Evolution of the USF/CMS CODAR and WERA HF Radar Network, Oceans'12 MTS/IEEE, Hampton Roads, Virginia, 14-19 Oct. 2012.

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 Evaluation of Tides, Waves, and Hurricane Surge in the Gulf of Mexico, AGU Fall Meeting, San Francisco, California, USA, December, 2012.
163. Weisberg, R.H. and L. Zheng. Did dissolved hydrocarbons impact the west Florida continental shelf? GoMRI meeting in New Orleans, 1/21/13.
164. Weisberg, R.H. and L. Zheng. West Florida continental shelf circulation in 2010. GoMRI meeting in New Orleans, 1/22/13.
165. Liu, Y., R.H. Weisberg, and S. Vignudelli: Valuation of altimetry-derived surface current products using Lagrangian drifter trajectories in the Eastern Gulf of Mexico, The 7th Coastal Altimetry Workshop, Boulder, CO, October, 7-8, 2013.
166. Weisberg, R.H., L. Zheng, 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. GODAE mtg. in Baltimore, MD, 11/4/13
167. Weisberg, R.H., L.Y. Zheng and E. Peebles, Gag Grouper Larvae Pathways on the West Florida Shelf, 2014 Gulf of Mexico Oil Spill and Ecosystem Conference, Mobile, AL., 1/14
168. Weisberg, R.H., L.Y. Zheng and Y. Liu Basic tenets for coastal ocean ecosystems monitoring, 2014 Gulf of Mexico Oil Spill and Ecosystem Conference, Mobile, AL., 1/14

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.

179. Weisberg, R.H. and L.Y. Zheng. A West Florida Coastal Ocean Model (WFCOM). Presented on 10/20/2015 at 2015 FVCOM workshop in Bedford Institute of Oceanography, Dartmouth, Canada.
180. Zheng, L.Y. and R.H. Weisberg. A High Resolution Tampa Bay and Vicinity Circulation Model with Applications to Flushing and Salt Balance. Presented on 10/21/2015 at 2015 FVCOM workshop in Bedford Institute of Oceanography, Dartmouth, Canada.
181. Liu, Y., R.H. Weisberg, S. Vignudelli (2015), Patterns of the Loop Current System and Regions of Sea Surface Height Variability in the Eastern Gulf of Mexico Revealed by Self-Organizing Maps, The 9th Coastal Altimetry Workshop, 18-19 October 2015, Reston, Virginia, USA.
182. Liu, Y. (on behalf of all the PIs) (2015), Accomplishments SECOORA IOOS Award 2010-2015: [In-situ observations – buoys, shore stations](#), SECOORA Annual Meeting, May 2015, Jacksonville, FL.
183. Weisberg, R.H., C.R. Merz, Y. Liu, and L. Zheng (2015), A Coordinated Coastal Ocean Observing and Modeling System on the West Florida Shelf, SECOORA Annual Meeting, May 2015, Jacksonville, FL.
184. Abascal, A.J., S. Castanedo, R. Mínguez, R. Medina, Y. Liu, and R.H. Weisberg (2015), Stochastic Lagrangian trajectory modeling of surface drifters deployed during the Deepwater Horizon oil spill, The 38th AMOP Technical Seminar on Environmental Contamination and Response, June 2-4, 2015, Environment and Climate Change Canada, Ottawa, ON, Canada.
185. Liu, Y and R.H. Weisberg (2016), Gulf of Mexico Loop Current Interactions with the West Florida Shelf and its Influence on Harmful Algae Blooms, Ocean Sciences Mtg, New Orleans, LA, 2/21/2/26, presentation EC33A-08.
186. Weisberg, R.H, Y. Liu and L. Zheng (2016), The Control of West Florida Continental Shelf Material Property Distributions by a Combination of Deep-Ocean and Local Forcing, Ocean Sciences Mtg, New Orleans, LA, 2/21/2/26, presentation PO24D-2980.
187. Hu, C., B. Barnes, B. Murch, P. Carlson, R. Weisberg, L. Zheng, K. Atwood, and J. Lenos (2017). Satellite-based decision-support tools to monitor algal blooms and assess water quality in near real-time. *2017 Gulf of Mexico Oil Spill and Ecosystem Conference*, New Orleans, LA. Feb 6-9, 2017.
188. Liu, Y., R.H. Weisberg, J.M. Lenos, L. Zheng, K. Hubbard, and J.J. Walsh (2017), An altimetry-derived index of the offshore forcing on the “pressure point” of the

- 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).

PRESENTATION AT WORKSHOP/SEMINARS:

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

1. March 23-30, 1974, Leningrad, USSR: GARP Atlantic Tropical Experiment (GATE) - Oceanographic Subprogram planning workshop. Invited.
2. August 13-25, 1975, Geneva, Switzerland: GATE Oceanography Symposium. Invited.
3. December 16, 1975, Woods Hole, MA: Invited seminar at the Woods Hole Oceanographic Institute.
4. May 19-22, 1976, Georgetown, SC: Transport Processes in Estuarine Environments, Belle W, Baruch Institute for Marine Biology and Coastal Research Symposium sponsored by ONR.
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 4, 1984, Princeton, NJ: Invited seminar at GFDL, Princeton Univ.
14. October 25, 1984, Tallahassee, FL: Invited seminar at Florida State University.
15. November 15, 1984, Queens, NY: Convened an Ad Hoc Meeting for the planning of a U.S. TOGA Atlantic Program. Report submitted to NSF.
16. January 23-24, 1985, Princeton, NJ: SEQUAL Experiment Principal Investigators Meeting at GFDL, Princeton University for drafting a cover document to

accompany data analysis proposals to NSF.

17. February 27, 1985, St. Petersburg, FL: Invited seminar at St. Petersburg Junior College.
18. June 19-21, 1985, New York, NY: U.S./French SEQUAL/FOCAL Program Workshop at Columbia University, Three talks presented.
19. July 29-30, 1985, Palisades, NY: SEQUAL Experiment Principal Investigators Meeting at LDGO, Columbia University.
20. September 6-15, 1985, Rio de Janeiro, Brazil: Invitee to the 4th session of the CCCO Tropical Atlantic Climate Studies Panel and Workshop. I organized the U.S. invitee participation (10 participants) by authoring a letter proposal to the U.S. TOGA Project Office/NOAA/NSF for travel support. A paper was presented and a contribution was made to the workshop report.
21. October 14, 1985, Miami, FL: Invitee to the Indo/U.S. Bilateral Program Meeting on the Arabian Sea cooling at RSMAS, University of Miami., Dr. T. Y. Tang attended and presented a paper.
22. October 16-18, 1985, Boulder, CO: Invitee to NOAA Equatorial Circulation Workshop held at NCAR. A presentation and a written contribution were given.
23. November 5, 1985, Beaufort, NC: Duke/UNC Oceanographic Consortium Workshop. Three talks were given along with my associate and student T.Y. Tang and T.J. Weingartner.
24. December 10, 1985, Tallahassee, FL: FDER workshop on the Apalachicola Bay. Invited.
25. December 15-18, 1985, Seattle, WA: Invited seminar at JISAO, University of Washington and NOAA/PMEL. (a position was subsequently offered).
26. May 28, 1986, Atlanta, GA: COE/FDER Meeting on the Apalachicola Bay. Invited.
27. August 11-15, 1986, Honolulu, HI: Invitee to the U.S. TOGA Workshop on the Dynamics of the Equatorial Oceans held at the University of Hawaii. A review article entitled "Observations pertinent to instability waves in the equatorial oceans" was given and subsequently published.
28. October 29-30, 1986, Woods Hole, MA: North Brazil Current Experiment (NOBEX) initial organizational meeting at Woods Hole Oceanographic Institution, paper presented.

29. January 20, 1987, Washington, DC: NOBREX briefing delivered to the Oceanography Section, National Science Foundation.
30. February 19, 1987, New York, NY: NOBREX Principal Investigator Meeting at Columbia University.
31. March 26, 1987, Miami, FL: Invited seminar at RSMAS, University of Miami.
32. June 15-19, 1987, Paris, France: U.S./French SEQUAL/FOCAL Program Workshop, three papers presented.
33. June 23-23, 1987, Paris, France: Invitee to the 5th session of the CCCO Tropical Atlantic Climate Studies Panel. Presentation given and contribution made to the workshop report.
34. August 3-5, 1987, Durham, NH: Invitee to the U.S./Brazil Physical Oceanography Workshop held at the University of New Hampshire. A presentation was given.
35. September 21-23, 1987, Honolulu, HI: Invitee to an NSF sponsored World Ocean Circulation Experiment (WOCE) Workshop on the Tropical Oceans.
36. October 6-8, 1987, Seattle, WA: Invitee to NSF sponsored WOCE Workshop on on direct velocity measurements.
37. December 1987, Washington, DC: NOBREX P.I. meeting at NSF.
38. January 5, 1988, Tallahassee, FL: Meeting with FDER and COE on Apalachicola Bay. Invited.
39. April 14, 1988, Princeton, NJ: Invited seminar at GFDL, Princeton University.
40. April 27-29, 1988, Miami, FL: WOCE Core 3 workshop invitee and speaker.
41. September 27-29, 1988, Dallas, TX: WOCE Moored Measurements Implementation Panel Meeting. Invited.
42. October 19-20, 1988, Miami, FL: Invited seminar at NOAA AOML.
43. October 21, 1988, Boston, MA: WOCE Process Studies Implementation Panel Meeting. I presented a straw position for a Tropical Atlantic Program. Invited.
44. November 16, 1988, Miami FL: NOAA STACS Program Workshop attendee.
45. January 24-25, 1989, Washington, DC: NSF review panel member

46. February 7-9, 1989, Miami, FL: Invited participant at NOAA-EPOCS mid-term review.
47. March 8-10, 1989, Honolulu, HI: Invited participant and speaker at U.S. TOGA Program (NOAA) mid-term review, abstract to appear.
48. March 22, 1989: Invited seminar on Ocean Circulation at New College.
49. November 6, 1989, Palisades, NY: Invited seminar at Lamont-Doherty Geological Observatory of Columbia University.
50. January 10-11, 1990, Miami, FL: Invited presentation and workshop participant at NOAA/AMOL (Tropical Atlantic Climate Studies Meeting).
51. January 17-19, 1990, Miami, FL: Invited presentation and workshop participant at NOAA/AOML (Equatorial Pacific Ocean Climate Studies Meeting).
52. February 20, 1990, Raleigh, NC: Presided over the Ph.D. thesis defense of Thomas Weingartner as major professor and thesis committee chairman at NCSU.
53. February 25-28, 1990, Honolulu, HI: Invited presentation and workshop participant at University of Hawaii, NAS TOGA Panel Ad Hoc Committee on the tropical Pacific Monitoring Array.
54. March 17-25, 1990, Taipei, Taiwan, ROC: Invited visiting scientist, National Taiwan University. Three lectures given plus a presentation at the National Research Council.
55. March 28, 1990, Tallahassee, FL: NFWFMD advisory panel meeting.
56. June 18-20, 1990, Washington, D.C.: NOAA review panel member.
57. July 15-20, 1990, Honolulu, HI: International TOGA Science Conference, presentation given with published abstract.
58. October 1-5, 1990, Fortaleza, Brazil: Invitee and presentor at a Workshop on the Relationship of the Atlantic Ocean to Regional and Global Climate Variations - U.S. Brazil Science and Technology Initiative.
59. January 22-24, 1991, Miami, FL: Invited Participant. NOAA-EPOCS Annual Review
60. February 13, 1991, M. S. Department Seminar on Tampa Bay Circulation
61. April 8-9, 1991, Panelist, Northwest Florida Water Management District, Technical Working Group on Apalachicola Bay. Apalachicola, FL.

62. April 23, 1991, LDGO, Columbia University, Palisades, NY., proposal development.
63. June 20-21, 1991, Tallahassee, FL.: Invited speaker at NFWFMD workshop on Apalachicola Bay.
64. October 8, 1991, New York, NY., Invited workshop participant on USACOE, New York district workshop on New York Bight.
65. March 4, 1992, (Tampa, FL.) and March 24, 1992 (Clearwater, FL.). Invited speaker, USF/CAS “Lunch with a genius” program, Oceanographic processes associated with the El Nino-Southern Oscillation (ENSO) phenomenon.
66. March 11-13, 1992 WES, Vicksburg, MS., Invited Panelist, USACOE.
67. March 30 - April 1, 1992, Honolulu, HI., Invited participant and speaker, NSF Tropical Instability Wave Experiment (TIWE) workshop
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, NFWFMD 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: Seminar presented at the Marine Science Department - USF.
85. November 18-19, 1993, Havana, FL., Invited participant, NFWFMD Technical Working Group Meeting.
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, NFWFMD 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, Australia, TOGA 95 Conference.
99. April 24, 1995, 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.
100. May 8-10, 1995, Baltimore, MD., Invited participant COE HBRAG.
101. May 23-24, 1995, Boulder, CO., Invited participant, PACS implementation panel workshop.
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 board meeting on west Florida continental shelf modeling.
121. May 1-2, 1997, St. Petersburg, FL., USGS West Florida Coastal Workshop, four oral presentations and two posters.
122. May 7-8, 1997, Steinhatchee, FL., Florida Bend Coastal Research Workshop, Participant and speaker: Some observational and modeling perspectives on the circulation of the Florida Big Bend.
123. August 7, 1997, Fairbanks, AK. On the role the western Pacific in the El Nino-Southern Oscillation. Seminar presented at University of Alaska, Fairbanks, AK.
124. August 8, 1997, Fairbanks, AK. Observations and modeling studies of the West Florida continental shelf circulation. Seminar presented at University of Alaska, Fairbanks, AK.

125. August 29, 1997, St. Petersburg, FL., Storm-induced sea level variations on the West Florida Shelf. Tutorial presented for the National Weather Service and Florida emergency planners.
126. October 16-27, 1997, Shanghai, Qingdao, and Beijing China. 14 lectures presented at 6 institutions on topics concerning the El Nino-Southern Oscillation, the Equatorial Undercurrent in the central pacific, and the West Florida continental shelf circulation.
127. January 12-14, 1998, Tallahassee, FL., Three presentations at MMS Quality Review Board Meeting on the West Florida continental shelf modeling project.
128. February 5, 1998, St. Petersburg, FL., Physical factors affecting West Florida sea level and circulation. Presentation at the National Conference on Beach Preservation Technology.
129. February 7-8, 1998, San Diego, CA. Meso-scale features of the continental shelf circulation. Presentation at the ONR HYCODE workshop.
130. February 26-27, 1998, Miami FL. Poster presentation (R. Weisberg, C. Wang, J. Virmani, and D. Mayer) at the NOAA/AOML silver anniversary.
131. April 14, 1998, St. Petersburg, FL. Guest lecture on Tropical Instability Waves.
132. May 16, 1998, St. Petersburg, FL. Public lecture on El Nino, FDEP Marine Marine Quest.
133. June 18, 1998, St. Petersburg, FL. El Nino-Southern Oscillation, seminar (C. Wang and R.H. Weisberg) at the USGS Center for Coastal Geology.
134. July 7-14, 1998, Boulder, CO. Large scale variability during COARE. Paper with published abstract at the NSF-sponsored COARE98 conference by R.H. Weisberg et al.
135. July 7-14, 1998, Boulder, CO. Western pacific interannual variability associated with ENSO. Paper with published abstract at the NSF-sponsored COARE98 conference by C. Wang et al.
136. July 7-14, 1998, Boulder, CO. Upwelling in the western Pacific warm pool. Paper with published abstract at the NSF-sponsored COARE98 conference by R. Helber et al.
137. July 7-14, 1998, Boulder, CO. Wave kinematics in the western Pacific warm pool. Poster with published abstract at the NSF-sponsored COARE98 conference by R. Helber et al.

138. July 7-14, 1998, Boulder CO. Energy balances in the upper western equatorial Pacific ocean during a westerly wind burst. Paper with published abstract at NSF-SPONSORED COARE98 conference by H. Wijesekera et al.
139. July 7-14, 1998, Boulder, CO. Observations of low latitude near inertial internal gravity waves forced by westerly wind bursts. Paper with published abstract at the NSF-sponsored COARE98 conference by C. Eriksen et al.
140. July 14-16, 1998, San Diego, CA. Observations and models of the West Florida Shelf circulation, workshop report presented by H. Yang et al.
141. August 27-28, 1998, St. Petersburg, FL. ECOHAB P.I. meeting presenter.
142. October 6-8, 1998, Tuscon, AZ. PACS/EPIC P.I. meeting. (Presentation by J. Virmani).
143. October 21, 1998, Tampa FL. Invited presentation to the USF Leadership Council on WFS research.
144. October 26-29, 1998, Miami FL. Annual NOAA Climate Analysis Workshop, 2 presentations given (with C. Wang).
145. November 24, 1998, Dania FL. ONR site visit participant. Presentation with M. Luther.
146. November 30, 1998, St. Petersburg, FL. ONR (HyCODE) site visit. Presentation on WFS research.
147. January 12-13, 1999, St. Pete Beach, FL. Three presentations at MMS Quality Review Board meeting on the West Florida continental shelf modeling project.
148. January 18-21, 1999, Baltimore MD. Physical Oceanography studies on the west Florida continental shelf. Presentation at the ONR HyCODE P.I. meeting.
149. February 24-26, 1999, Dania Beach, FL. Physical Oceanography studies on the west Florida continental shelf. Presentation at an NSF sponsored SFOMC workshop.
150. April 28, 1999, St. Petersburg FL. Presentation at an ECOHAB P.I. meeting.
151. May 4-7/99, Miami, FL. Working Group Leader, NOAA Tropical Atlantic Observing system Workshop
152. May 25, 1999, Dania Beach, FL. SFOMC Board of Directors meeting.

153. June 20-25 1999, New London, New Hampshire, Invited presenter, Gordon Res. Conference on Coastal Ocean Modeling.
154. July 12, 1999, Cambridge MD, PhD defense for Ms. Z. Li
155. August 13, 1999, St. Petersburg, FL. ECOHAB P.I. meeting presenter.
156. August 27, 1999, St. Petersburg, FL. DMS seminar: Inner shelf circulation studies on Florida's west coast.
157. September 8, 1999, St. Petersburg, FL. Invited presenter at NWS meeting on coastal ocean monitoring
158. October 19-21, 1999. Mobile AL. Workshop attendee and presenter at the MMS workshop on the Northeast Gulf of Mexico.
159. November 16, 1999. Tampa FL. Invited lecturer on El Nino, Geography Dept.
160. November 18, 1999. St. Petersburg, FL. Invited presenter at the FMRI bait fish 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 presenter.
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 presenter.
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. November 15, 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, 2001 Washington D.C. WCRP/SCOR Workshop, presentation by J. Virmani.
177. July, 2001 Miami, FL, RSMAS, SE-COOS meeting, presentation by R. He.
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 USGS Tampa Bay modeling meeting.
196. September 30-October 2, 2002 Chapel Hill N.C., 3 presentations at SEA-COOS P.I. meeting.
197. October 9, 2002 Sarasota FL, invited talk at Mote Marine Lab on Charlotte Harbor estuary
198. October 11, 2002 Stony Brook, N.Y., invited seminar at Mar. Sci. Res. Cen., SUNY, Stony Brook.
199. November 6-9, 2002 Barbados W.I., invited talk at IASI-IOCARIBE-RODAE workshop.
200. November 20, 2002 St. Petersburg, FL., oceanography talks at J. Hopkins Middle School.
201. January 16-17, 2003 Miami, FL, presentation at HYCODE P.I. mtg.
202. March 14, 2003 Atlanta GA., SEA-COOS P.I. mtg.
203. March 31, 2003 Washington D.C., OCEAN.US summit participant.
204. April 10, 2003 St. Petersburg, FL. guest lecture on estuarine circulation.
205. May 27-29, 2003 Jacksonville, FL. SEA-COOS P.I. mtg.
206. 6/22-6/27/03 New London, NH, Gordon Res. Confr. on Coastal Ocean Modeling, 4 posters presented.
207. 8/19-8/21/03 Washington D.C., HYCOM mtg., presentation on WFS modeling.

208. 10/1/03, Chapel Hill NC, SEACOOS EXCOMM meeting.
209. 10/7/03, Sarasota FL, invited talk at Mote Marine Lab on Charlotte Harbor estuary
210. 10/23-10/24/03, Stennis Space Center, MS, invited seminar at USM.
211. 10/31/03, Clearwater FL, Hurricane storm surge presentation to Pinellas Co.
212. 11/3-11/5/03, Savannah GA, SEACOOS workshop, 2 presentations and moderator.
213. 11/11-11/13/03, Washington D.C., NCEP ocean model review comm.
214. 11/14/03, Chapel Hill, NC, SEACOOS EXCOMM mtg.
215. 11/19/03, St. Petersburg FL, Great American Teach-in at J. Hopkins Middle School.
216. 1/19/04, Atlanta GA., SEACOOS EXCOMM mtg.
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.
252. 4/9/05, St. Petersburg, FL, Public lecture on Hurricane Charley simulation at the FWRI Ocean Day.
253. 4/11/05, St. Petersburg, FL, presentation to COE scientists on WFS.
254. 4/28/05, St. Petersburg, FL, presentation on WFS/GOM currents at the SPYC.
255. 6/2/05, St. Petersburg, FL, seminar on Tampa Bay circulation.
256. 6/3/05, St. Petersburg, FL, seminar on hurricane storm surge.
257. 6/7/05, Orlando, FL, presentation to FL COOS Caucus.
258. 6/16/05, Naples, FL, Rookery Bay discussions/Tampa Bay presentation.
259. July/August, St. Petersburg, FL, several TV interviews on hurricane storm surge.
260. 7/25-28/05, Jacksonville, FL, 4 presentations at SEACOOS/SECOORA workshop.
261. 8/23, St. Petersburg, FL, participant GofM Alliance mtg.
262. 10/14, St. Petersburg, FL, presentation at FWRI meeting.
263. 10/17-20, Norfolk VA, ERF Conference participant on several town hall meetings.
264. 11/2-4, Houston TX, GCOOS Industry workshop.
265. 11/8, Washington DC, SURA Coastal Ocean Committee.
266. 11/15-18, Columbia SC, SEACOOS fall workshop.
267. 12/2, St. Petersburg, FL, Patel Center meeting.
268. 1/5, St. Petersburg, FL, FWRI meeting.
269. 1/17-19, New Orleans, NAS-NRC Committee on NO RHPP
270. 2/14-16, Jacksonville, FL, NOAA coastal inundation workshop.
271. 2/20-24, Honolulu HI, several P.I. meetings at AGU/ASLO OS
272. 3/7, St. Petersburg, FL, MERHAB P.I. meeting.
273. 3/19-21, New Orleans, NAS-NRC Committee on NO HPS

274. 3/23, Naples, FL, Rookery Bay model presentation at RBNERR (L. Zheng).
276. 4/3, Tampa, invited speaker by Congr. Davis, Town Hall mtg.
277. 4/3, Sarasota, FL, FL COOS Caucus mtg
278. 4/5, St. Petersburg, FL, invited speaker TBNEP, Tampa Bay circulation.
279. 4/27, St. Petersburg, FL, invited speaker SPYC.
280. 5/8-9, Washington DC, invited participant CORE/JOI/SURA.
281. 5/9, Tampa, FL, invited speaker, Hurricane storm surge potential at Tampa Bay Insurance management chapter mtg. (L. Zheng)
282. 5/17, Tampa, FL, Storm surge presentation at RIMS (by L.Zheng).
283. 5/15-17, New Orleans, NAS-NRC Committee on NO RHPP
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/?, St. Johns River Water Management District, estuary modeling (L.Zheng).
296. 12/29/06, Xiamen China, Hurricane storm surge simulation for Tampa Bay, Third Institute of Oceanography, SOA (L. Zheng).
297. 1/22-23/07, Washington, DC, NRC Comm. on N.O. Hurricane Protection System.
298. 2/6, Gainesville, FL, FLCOOS mtg. participant
299. 2/28, Herndon, VA, MMS mtg., participant
300. 4/23-26, Stennis MS, NOPP GODAE mtg., 2 presentations
301. 4/27, St Petersburg, FL, Tampa Bay workshop co-convener
302. 5/7, Clearwater, FL, property appraiser mtg. re: storm surge presentation
303. 6/1, Bradenton, FL, Manatee Co. hurricane conference keynote speaker
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, St. Pete Beach, FL, SEACOOS/SECOORA workshops.
311. 10/31, Naples, FL., Rookery Bay presentation to SFWMD
312. 11/15, Tampa, FL., SWFWMD presentation on TB modeling
313. 12/3-4/07, New Orleans, LA, NRC Comm. on N.O. Hurricane Protection System.
314. 1/23/08, Sarasota, FL. Invited presentation at “Islands in the Stream” Conference.
315. 1/28, Gainesville, FL., presenter at Hurricane Storm surge inundation P.I. meeting.
316. 4/10, Raleigh NC, Invited seminar at NCSU

317. 4/30, Tampa, FL., Invited DUP lecture.
318. 6/5, Washington, DC, Award recipient, NOPP Excellence in Partnering.
319. 6/23-24, Gainesville, FL., Invited presentation at P.I. workshop on storm surge
320. 7/22-24, Arlington VA., Invited talk at MAST mtg.
321. 9/3-5, Washington D.C., NRC/NAE meeting on NOHPS
322. 10/31/08, Stonybrook N.Y., Invited seminar at SUNY, Stonybrook
323. 1/20/09, Tampa, FL. Coastal Ocean Circulation Modeling with Applications to Red tide and Storm Surge, USF Symposium on High Performance Computing.
324. 2/11, St. Pete Be., FL. Presentation of USF-NOAA-FEMA storm surge workshop.
325. 5/13, Jacksonville, FL. Presentations at the SECOORA spring mtg.
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, Frascati, 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 presentation 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&4 Washington, 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 Mexico 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 given to Town and Gown.
372. 1/21, St Petersburg, FL. Invited seminar on Alternative power generation for Florida given to USFSP Environmental Policy and Geography.
373. 3/7&8, Chapel Hill, NC. Inundation Model Testbed workshop, presentation on USF Progress.
374. 3/16, St Petersburg, FL. Invited seminar at Eckerd College on Alternative power generation for Florida
375. 4/7, St Petersburg, FL. Invited seminar at USF College of Engineering on Alternative power generation for Florida.
376. 4/8, St Petersburg, FL. Invited seminar at USF FIO workshop on oil spill restoration
377. 4/10, Tampa, FL. Invited seminar at Phi Kappa Phi honor society induction.
378. 4/13, Sarasota, FL. Invited seminar at MTS Techsurge workshop on ocean pollution.
379. 4/15, St Petersburg, FL. Invited speaker at CMS Eminent Scholar Lecture Series.
380. 5/16-18, Jacksonville, FL. Presentations at the SECOORA annual meeting.

- 381. 5/18-19, Norfolk VA. Presentation (by L. Zheng) at ECOHAB meeting.
- 382. 5/25-26, Orlando, FL Presentation at FIO BP PI meeting
- 383. 6/22-23, Washington DC., Presentation at SURA IOS Model Testbed Mtg.
- 384. 9/7-8, Savannah GA. Presentation at SECORA mtg.
- 385. 10/14, Shanghai, PRC. Invited lecture at East China Normal University.
- 386. 10/17, Beijing, PRC. Invited lecture at SOA Forecast Center.
- 387. 10/21, Xiamen, PRC, Invited lecture at Third Institute for Oceanography.
- 388. 10/24, Xiamen, PRC, Invited lecture at Third Institute for Oceanography.
- 389. 11/1-2, Tallahassee, FL, DEEP-C mtg.
- 390. 11/8-9, Washington DC., SURA mtg
- 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
- 411. 5/1, Pasco Co. FL, RESTORE Act presentation
- 412. 8/7, Boothbay Harbor Me., Invited seminar at Bigelow Lab
- 413. 8/19, Narragansett RI., Invited seminar at GSO-URI
- 414. 9/5, St. Petersburg, FL., faculty seminar.

2015

- 415. 3/36, Invited seminar speaker, Princeton University.
- 416. 4/15 SP Waterfront Committee, invited presentation.
- 417. 4/22 Useppa Is. Community Assn., invited presentation.
- 418. 5/14 San Jose Elementary School, Gifted (Oceanography) Program, invited presentation.
- 419. 10/26-10/28 Fisheries Workshop, invited participant, SPB.
- 420. 11/9 SP Waterfront Committee, invited presentation.
- 421. 12/2-12/4 SECOORA Board of Directors mtg., Charleston, SC

2016

- 422. 1/26, SECOORA PI seminar.

- 423. 2/1-2, Tampa FL., Invited presenter, GoMRI townhall meeting.
- 424. 4/21, Tierra Verde, FL, invited presenter, Shell Key Mtg, Tampa Bay Watch.
- 425. 5/18-20, Raleigh, NC, SECOORA Bd mtg and PI/membership mtg. presentations.
- 426. 5/25, Pinellas Co. TAC mtg on inlet study.
- 427. 7/26, Tierra Verde, FL, invited presenter, Shell Key Mtg, Tampa Bay Watch.
- 427. 9/9, Invited seminar at GSO-URI.
- 428. 10/13, Presentation at Pasco County RA meeting.
- 429. 10/18-20, Halifax, NS, Presentation at FVCOM Users Workshop.
- 430. 11/3-4, Washington, DC, SURA meeting.
- 431. 12/7-9, Charleston, SC, SECORA Bd Mtg.

2017

- 432. 1/5, Marco Is., FL, Invited speaker at Marco Island Shell Club.
- 433. 2/28, SECOORA Webinar presenter.
- 434. 3/22-3/24, Wash DC, NAS GRP mtg.
- 435. 4/17, Clearwater, FL, PC TAC mtg.
- 436. 4/18-4/20, NY, NY, Vetlesen award banquet invitee.
- 437. 5/16-5/17, Melbourne FL, SECOORA meeting.
- 438. 5/17-5/19, Wash DC, NAS GRP mtg.
- 439. 6/14, Tampa, FL, Radio Interview on storm surge, WMNF
- 440. 6/23, Tampa FL, Chaired PhD defense.
- 441. 7/1-8/2, Wash DC, NAS GRP mtg.
- 442. 10/25, St. Petersburg, FL, Invited talk on Hurricane Irma

443. 11/9, Jerusalem, Israel, From Climate to a Grouper Sandwich: Why we Study the Ocean Circulation, Invited lecture at Hebrew University.
444. 11/10, Haifa, Israel, From Climate to a Grouper Sandwich: Why we Study the Ocean Circulation, Invited Plenary Lecture at Israel Aquatic Science Conference.
445. 11/15, Eilat, Israel, Equatorial Ocean Dynamics: Observations and Analyses, Invited lecture at Joint University Marine Science Facility.
446. 11/17, Eilat, Israel, Coastal Ocean Dynamics: Observations and Analyses, Invited lecture at Joint University Marine Science Facility.
447. 11/20, Tel Aviv, Israel, On the Movement of Deepwater Horizon Oil to Northern Gulf Beaches, Invited talk at Tel Aviv University.
448. 11/21, Sde Bokor, Israel, Power Generation Potential for Florida by Mechanical and Solar Means, Invited talk at Ben Gurion University.
- 2018
449. Chen, J., R.H. Weisberg, Y. Liu, and L. Zheng (2018), A Tampa Bay circulation 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).

ACTIVE GRANTS:

1) State of Florida: A real-time oceanographic data system for Florida, P.R. Betzer, A.C. Hine, M. Luther and R.H. Weisberg, P.I.'s, continuing award=300,000 for annually occurring E&G funds supporting 5.3 positions beginning 7/1/97. Positions now reduced to 3 and actual amounts are in question.

2) State of Florida: I-4 Corridor funding for the Coastal Ocean Modeling and Prediction System (COMPS), P.R. Betzer, M.E. Luther, and R.H. Weisberg, Co-P.I.s, continuing award=69,276.00 per year for an engineer position and 78,520.50 for expenses beginning 7/1/98. Expense money is no longer available.

3) SC SEAGRANT, federal pass through from NOAA, NA16NOS0120028, Maintaining moored observations and WFS modeling for SECOORA, R.H. Weisberg and Y. Liu, PIs, 755,380 for the period 6/1/16-5/31/19.

4) SC SEAGRANT, federal pass through from NOAA, NA16NOS0120028, Maintaining high-frequency radars for SECOORA, R.H. Weisberg and C. Merz, PIs, 364,520 for the period 6/1/16-5/31/19.

5) NOAA Award # NA15NOS4780174, PCMHAB: Seasonal forecasting of *Karenia Brevis* Blooms in the Eastern Gulf of Mexico, R.H. Weisberg and K. Hubbard, P.I.s, Total award = 299,800 for the period 9/1/15 – 8/31/18.

6) 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.

7) Pinellas Co., FL, A Very High Resolution Estuary Circulation Nowcast/Forecast Model for Tampa Bay and Vicinity, R.H. Weisberg, P.I., 479,492 for the period 8/1/16-7/31/19.

8) NSF XSEDE Computer Resource Program. Contract #: OCE130015. Very high resolution, baroclinic, three-dimensional coastal ocean circulation modeling from XSEDE for computation resource, Y. Liu and R.H. Weisberg, co-PIs 741,042 SUs awarded (no monetary award).

9) NASEM, Understanding Gulf Ocean Systems Grants 1: Taking the Pulse of the West Florida Shelf at a Hypothesized Loop Current Control Point, R.H. Weisberg, Y. Liu and J. Kuehl (UDEL), co-PIs, 480,501 for the period 11/1/18-10/31/19 (with a second year renewal pending).

10) NASEM, Understanding Gulf Ocean Systems Grants 1: Dry Tortugas and Lower Keys High Frequency Radars, C. Merz, R.H. Weisberg and N. Shay (RSMAS), co-PIs, 1,089,451 for the period 11/1/18-10/31/19 (with a second year renewal pending).

11) TBERF, Applications of the Tampa Bay Coastal Ocean Model (TBCOM) for Ocean Acidification, R.H. Weisberg and Y. Liu co-PIs, awarded in august 2018, 76,104 for the period 1/1/19-12/31/20.

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: R.H. Weisberg.

WHOI Grant #P016878, Subcontract for SEQUAL Mooring Purchases." Total Award = \$60,035 for the period 01/01/83 - 04/30/83. Principal Investigator: R.H. Weisberg.

NOAA-ERL Contract #NA84RAC00021, "EPOCS Deep Ocean Variability Analysis." Total Award = \$25,000 for the period 04/01/84 - 09/30/84. Principal Investigator: R.H. Weisberg.

NSF Grant #OCE-8211848, "The Seasonal Equatorial Atlantic Experiment (SEQUAL): Response of the upper ocean circulation to the annual wind cycle." Total Award = \$1,169,463 for the period 04/01/82 - 03/21/86. Principal Investigator: R.H. Weisberg

NSF Grant #OCE-8515869, " The Seasonal Response of the Equatorial Atlantic Experiment (SEQUAL): Upper ocean current and temperature analysis from moored current meter." Total award = \$209,739 for the period 01/01/86 – 6/30/87. Principal Investigators: R.H. Weisberg and T.Y. Tang.

NSF Grant #OCE-8740380, "The Seasonal Response of the Equatorial Atlantic Experiment (SEQUAL): Upper ocean current temperature analysis from moored current meters." Total award = \$171,445 for the period 01/01/87 - 12/31/97. Principal Investigators: T.Y. Tang and R.H. Weisberg.

NSF Grant #OCE-8813378, Equatorial Pacific Ocean Current instabilities, R.H. Weisberg, Principal Investigator, \$438,703 for the period 3/15/89 - 11/30/89, Total award for the 4-year continuing period 3/15/89 - 11/30/92 = \$914,746.

NSF Grant #OCE-8841927, The SEQUAL Experiment: Upper Ocean current and temperature analyses, R.H. Weisberg, Principal Investigator, \$115,000 for the period 02/01/89 - 01/31/90, Total cumulative award for the 2-year period 02/01/88 - 01/31/90 = \$240,000.

NOAA Grant #NA87AA-D-AC120, Upper ocean current and temperature monitoring at the equator, 170⁰W. R.H. Weisberg, Principal Investigator, \$231,428 for the period 02/01/90 - 01/31/91, Total cumulative award for the 4-year period 09/01/87 - 01/31/90 = \$697, 772.

USGS Grant #14008-0001-A0577, Physical factors affecting salinity intrusion in

wetlands, Principal Investigators: R.H. Weisberg and A.C. Hine. Total award = \$81,430 for the period 09/22/90 - 09/30/91.

NATIONAL TAIWAN UNIVERSITY, Preparation of a turnkey acoustic Doppler current profiling mooring. R H Weisberg, Principal Investigator. Total award = \$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, 170⁰W 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, R.H. Weisberg, A.C. Hine and P. R. Betzer, Principal Investigators award for FY94 = \$85,000.

USGS Contract #1408-0001-A0577. Wetlands Project - Physical factors affecting salinity intrusion, R.H. Weisberg and A.C. Hine, Principal Investigators, award for FY94 = \$64, 279.

NOAA Grant #NA36GP0143-01. Monitoring of upper ocean currents and temperature at 0⁰, 170⁰W with support of TOGA, R.H. Weisberg, Principal Investigator. Total award for the two-year period 05/1/93 - 04/30/95 = \$125,038.

USGS Contract #1434-94-A-1185. West Florida Shelf Hydrography and Circulation. R.H. Weisberg, A.C. Hine and P.R. Betzer, Principal Investigators. (Award for FY95 = \$85,000, Imm).

USGS Contract #1434-94-A-1185. Wetlands Project - Physical factors affecting salinity intrusion, R.H. Weisberg and A.C. Hine, Principal Investigators. Award for FY95 = \$40,981.

NFWFMD Effects of Sikes Cut on Apalachicola Bay Salinity. R.H. Weisberg, P.I., Total Award = \$34,440 for the period 06/01/93 - 09/30/95.

ONR Sub-Account #1245-191-L3. Omnibus grant for ocean technology center. R.H. Weisberg, Principal Investigator, (\$277,645).

MMS Contract #14-34-0001-30767. Northeastern Gulf of Mexico Satellite Oceanography Study Principal Investigators, Kendall Carder, Frank Muller-Karger, and R.H. Weisberg, Total Award = \$134,548 for 18 month period starting October 1, 1994.

NSF Grant #OCE-9302811. The Tropical Instability Wave Experiment (TIWE) equatorial array: Analysis and dissemination of results, R.H. Weisberg, Principal Investigator, Total award = \$185,000 for the two-year period 05/01/93 - 04/30/95.

NSF Grant #OCE-9100024. TOGA-COARE enhanced monitoring: meridional array for currents along 156E, R.H. Weisberg, Principal Investigator, Total request for the 5-year continuing period 05/15/91 - 04/30/96 = \$819,000.

USGS Contract # 1434-94-A-1185. West Florida Shelf Hydrography and Circulation, R.H. Weisberg, A.C. Hine and P.R. Betzer, Principal Investigators, \$100,000 for

- FY96.
- NOAA Grant #NA56GP0241. Empirical and monitoring studies on air-sea interactions and SST evolution over the PACS program region. R.H. Weisberg, Principal Investigator, \$281,784 for 24 month period beginning 04/01/95.
- USGS Contract #1434-94-A-1185. West Florida Shelf Hydrography and Circulation, R.H. Weisberg, A.C. Hine and P.R. Betzer, Principal Investigators. \$86,000 for the 1 year period beginning 10/1/97.
- FDEP Contract #LE189, A real time oceanographic data system for Florida, Co-P.I. with M. Luther, R.H. Weisberg portion =\$299,000 for the period 10/29/97 - 9/30/98.
- NOAA Contract # NA66GP0119, Diagnostic studies of equatorial central Pacific ocean velocity variations in relation to the TOGA TAO array and ENSO, 301,243 for the 36 mo. period beginning 2/1/96. (grant ended 3/31/99).
- NSF Grant # OCE-9525912, TOGA-COARE enhanced monitoring array analysis, R.H. Weisberg, P. I. 345,000 for the three year period beginning 12/12/95 (no-cost-extension for FY00).
- MMS (subcontract from FSU) Northeastern Gulf of Mexico circulation study, R.H. Weisberg, P. I. \$140,225 for the 3 year period beginning 10/1/95 (no-cost-extension for FY00).
- NOAA Contract # NA86GP0030, Empirical and monitoring studies on air-sea interactions and SST evolution over the PACS Program region, \$290,253 for the period 10/1/97-12/31/99. (90,459 for FY99, no-cost extension for FY00).
- MMS (subcontract from FSU) Northeastern Gulf of Mexico circulation modeling study, R. H. Weisberg, P. I. \$753,156 for the four year period beginning 10/1/95 (201,555 for FY99, no cost extension for FY00).
- NOAA Grant # NA96GP0462, Interhemisphere and intergyre exchange processes in the upper limb of the meridional overturning circulation, co-P.I. with G. Halliwell, RSMAS, 52,845 for the two year period beginning 10/1/99.
- FDCA Grant # 02CP-10-13-00-05-127, West Florida Coastal Monitoring System, C. Merz, R.H. Weisberg, and M. Luther, co-P.I.s, 166,539 for the period 6/19/01-6/30/02.
- NOAA Grant # NA76RG0463, ECOHAB: Florida, J. Walsh, G. Vargo, and R. Weisberg, co-P.I.s (USF); K. Steidinger et al., co-P.I.s (FDEP and Mote Marine Lab). The portion under the supervision of R.H. Weisberg is 715,000 for the four year continuing period beginning 3/1/98. (155,000 for FY01; NCE for FY02).

FDEP-FIO PO#S 3700 760668, Piney Point waste water disposal monitoring, R.H. Weisberg, PI, 29,488 for the period 7/1/03-6/30/04.

ONR Grant # N0014-98-1-0158, Observations and modeling of the West Florida continental shelf circulation, R.H. Weisberg and M. Luther, P.I.s, 3,469,965 for 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 Sentinel 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.

FL-DEP Contract # RM050, Hydrodynamic model of Rookery By and Henderson Creek, R.H. Weisberg and L. Zheng, P.I.s, 70,000 for 8/10/2006-8/9/2007.

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-DOH Contract # , Assessing the effects of currents on coastal beaches, R.H. Weisberg, P.I., 39,310 for 11/24/06-7/31/07.

ONR (NOPP) Grant # N00014-04-1-0676, administered through RSMAS, Univ. of Miami, U.S. GODAE: Global ocean prediction with the Hybrid Coordinate Ocean Model (HYCOM), R.H. Weisberg, P.I. (at USF), five year continuing award, 297,203 for the period 6/3/04-9/30/09.

NOPP Grant # N00014-05-1-0892, HYCOM coastal ocean hindcasts and predictions: impact in nesting HYCOM GODAE assimilative hindcasts, G. Halliwell, RSMAS, lead P.I., R.H. Weisberg USF co-P.I., 3-year continuing award 294,545 for the period 8/26/05-7/30/09.

SC SEAGRANT, federal pass through from NOAA, NA07NOS4730219-5032, Maintaining high-frequency radars for SECOORA, R.H. Weisberg, P.I., 75,000 for the period 11/15/07-9/30/08.

SC SEAGRANT, federal pass through from NOAA, NA07NOS4730409, Maintaining high-frequency radars for SECOORA, R.H. Weisberg, P.I., 50,000 for the period 8/1/08-7/31/09.

USF/FWRI Cooperative red tide research program, FWC Contract # 07113, J.J. Walsh and R.H. Weisberg co-P.I.s, five year continuing award in the amount of 1.25M, terminated for lack of funds after 2 years, RHW portion, 250,000 for 7/1/07-12/31/09.

ONR N000014-04-1-0573, Bottom stationed ocean profiler design improvements, C. Lembke, J. Patten, R. Russell, R. Byrne and R.H. Weisberg, P.I.s, 450,000 for the period 5/1/09-4/30/10, RHW portion = 0 (not counted in summaries below).

SC SEAGRANT, federal pass through from NOAA, NA07NOS4730409, Maintaining high-frequency radars for SECOORA, R.H. Weisberg, P.I., 75,000 for the period 8/1/9-7/31/10.

ONR Grant # N00014-05-1-0483, Observations and modeling of the West Florida continental shelf circulation, R.H. Weisberg, P.I., 1,500,000 for the period 4/1/05-4/30/10 (NCE for FY11).

SC SEAGRANT, federal pass through from NOAA, NA07NOS4730409, Maintaining high-frequency radars for SECOORA, R.H. Weisberg, P.I., 95,000 for the period 8/1/10-7/31/11 (NCE for FY12).

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-FWC, federal pass through from NOAA, NA06NOS4780246, ECOHAB nutrient dynamics in the eastern Gulf of Mexico, J.J. Walsh and R.H. Weisberg, co-P.I.s, 1,294,267 for the five year period 5/7/07-8/31/11, R.H. Weisberg portion =750,000 (NCE for FY12)

ONR N00014-10-1-0573, Bottom stationed ocean profiler design improvements, C. Lembke, J. Patten, R. Russell, R. Byrne and R.H. Weisberg, P.I.s, 366,757 for the period 5/1/10-4/30/11 R.H. Weisberg portion = 0 (NCE for FY12).

UF, federal pass through from NOAA, NA07NOS4730211, A regional storm surge and inundation test bed for SECOORA: Applications of the FVCOM, R.H. Weisberg, P.I., 244,000 for the three year period beginning 1/1/08 (NCE for FY12).

ONR Grant # N00014-10-1-0785, Observations and modeling of the West Florida continental shelf circulation, R.H. Weisberg, P.I., \$279,000 for the period 4/1/10-4/30/11. (NCE for FY12)

NSF OCE-0741705, The influence of oceanographic and biological processes on the distribution of cetaceans on the West Florida Shelf: a synoptic study based on underwater and space-based remote sensing, D.A. Mann, F. Muller-Karger, and R.H. Weisberg, P.I.s, 1,663,761 for the three year period 8/15/07-7/31/10; Weisberg portion = \$301,297 (NCE for FY12).

UNC-CH, subcontract on SURA Super-regional Testbed, Inundation Component, UNC-CH 5-43705, R.H. Weisberg, P.I., \$72,500 for the period 6/1/10-5/31/11.

ONR N00014-10-1-0794, Plankton Optical Tracers of Coastal Circulation Models, J.J Walsh and R. H Weisberg co-P.I.s, 299,555 for the period 4/1/10-4/30/11, Weisberg portion = \$95,999, (NCE for FY12).

FSU, subcontract on Florida Legislature FS1004-647, Catastrophic storm risk management, R.H. Weisberg, P.I., \$153,062 for the period 12/1/9-12/31/11 (NCE for FY12).

BP 4710-1101-05, A coordinated modeling approach to oil spill tracking, R.H. Weisberg, V. Kourafoulu (RSMAS), and E. Chassignet (FSU), co-P.I.s, \$660,000 for the period 8/13/10-8/12/12 (Weisberg portion = 220,000).

USF, FESC, 7921-1000-27, Alternative energy potential for Florida by mechanical and solar means, R.H. Weisberg, P.I., \$39,363 for the period 2/16/10-6/31/11.

SC SEAGRANT, federal pass through from NOAA, NA11NOS0120033, Maintaining moored observations for SECOORA, R.H. Weisberg, P.I., 142,500 for the period 6/1/11-5/31/12.

SC SEAGRANT, federal pass through from NOAA, NA11NOS0120033, Maintaining high-frequency radars for SECOORA, R.H. Weisberg, P.I., 95,000 for the period 6/1/11-5/31/12.

SC SEAGRANT, federal pass through from NOAA, NA11NOS0120033, Data Management for SECOORA, R.H. Weisberg, P.I., 16,600 for the period 6/1/11-5/31/12.

SURA Federal pass through from NOAA, NA11NOS0120033, USF contribution to US IOOS Super-regional model testbed, 30,000 for the period 8/1/11-7/31/12.

SC SEAGRANT, federal pass through from NOAA, NA11NOS0120033, Maintaining moored observations for SECOORA, R.H. Weisberg, P.I., 130,245 for the period 6/1/12-5/31/13.

SC SEAGRANT, federal pass through from NOAA, NA11NOS0120033, Maintaining high-frequency radars for SECOORA, R.H. Weisberg, P.I., 143,571 for the period 6/1/12-5/31/13.

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. (185,000 for FY13)

SC SEAGRANT, federal pass through from NOAA, NA11NOS0120033, Maintaining moored observations for SECOORA, R.H. Weisberg and Y. Liu, PIs, 162,451 for the period 6/1/13-5/31/14.

SC SEAGRANT, federal pass through from NOAA, NA11NOS0120033, Maintaining high-frequency radars for SECOORA, R.H. Weisberg and C. Merz, PIs, 143,570 for the period 6/1/13-5/31/14.

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. (185,000 for 2013)

Southwest Florida Water Management District. Generation of Water Level, Salinity, and Temperature Data near Charlotte Harbor from the West Florida Shelf Model, L. Zheng and R.H. Weisberg, PIs, Total award = 31,450 for the period 6/25/13 to 12/31/14.

Florida Water Research Institution, Development of a High Resolution Karenia Tracking Tool within the West Florida Coastal Ocean Model, J. Lenos and R.H. Weisberg, PIs, Total award = 100,000 for the period 7/1/13 to 5/31/14 (Weisberg portion = 50,000)

NSF XSEDE Computer Resource Program. Contract #: OCE130015. Very high resolution, baroclinic, three-dimensional coastal ocean circulation modeling from XSEDE for computation resource, L. Zheng and R.H. Weisberg, PIs 741,042 SUs awarded (no monetary award).

SC SEAGRANT, federal pass through from NOAA, NA11NOS0120033, Maintaining moored observations for SECOORA, R.H. Weisberg and Y. Liu, PIs, 169,759 for the period 6/1/14-5/31/15.

SC SEAGRANT, federal pass through from NOAA, NA11NOS0120033, Maintaining high-frequency radars for SECOORA, R.H. Weisberg and C. Merz, PIs, 151,963 for the period 6/1/14-5/31/15.

Florida Water Research Institution, Development of a High Resolution Karenia Tracking Tool within the West Florida Coastal Ocean Model, J. Lenos and R.H. Weisberg, PIs, Total award = 100,000 for the period 7/1/14 to 5/31/15 (Weisberg portion = 50,000)

NSF XSEDE Computer Resource Program. Contract #: OCE130015. Very high resolution, baroclinic, three-dimensional coastal ocean circulation modeling from XSEDE for computation resource, L. Zheng and R.H. Weisberg, PIs 741,042 SUs awarded (no monetary award), award supplemented to July 2015

NOAA/WHOI rapid glider award , total award = 9,642 (for glider use)

SC SEAGRANT, federal pass through from NOAA, NA11NOS0120033, Maintaining moored observations for SECOORA, R.H. Weisberg and Y. Liu, PIs, 186,168 for the period 6/1/15-5/31/16.

SC SEAGRANT, federal pass through from NOAA, NA11NOS0120033, Maintaining high-frequency radars for SECOORA, R.H. Weisberg and C. Merz, PIs, 161,452 for the period 6/1/15-5/31/16.

NASA Contract # NNX13AE18G, Satellite Altimetry Products in the Eastern Gulf of Mexico, Veracity Testing and Applications, R.H. Weisberg and Y. Liu, PIs, Total award = 408,942 for the period 1/10/13-1/9/17.

Southwest Florida Water Management District. Generation of Water Level, Salinity, and Temperature Data near Charlotte Harbor from the West Florida Shelf Model, L. 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.

Summary: Previous cumulative funding as P.I., 31,758,735.
Previous cumulative funding as P.I. while at USF, 28,640,424.

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).

June 1976, Co-chief Scientist, N/O CAPRICORNE, Observations of Equatorial Trapped Waves in the Gulf of Guinea.

July 1977, Co-chief Scientist, N/O CAPRICORNE, Observations of Equatorial Trapped Waves in the Gulf of Guinea.

January 1978, Co-chief Scientist, N/O NIZERY Observations of Equatorial Trapped 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, R/V MOANA WAVE, equatorial Pacific NSF/NOAA TOGA-COARE Program.

October 1993, Chief Scientist, R/V SUNCOASTER, west Florida shelf.

November, 1993, Chief Scientist, R/V SUNCOASTER, west Florida shelf.

November/December 1997, Co-Investigator, R/V THOMPSON, equatorial Pacific (NOAA PACS Program).

March 1998, Chief Scientist, R/V SUNCOASTER, West Florida Shelf.

September 1998, Chief Scientist, R/V SUNCOASTER, West Florida Shelf.

September 2003, Chief Scientist, R/V SUNCOASTER, West Florida Shelf.

September 2004, Chief Scientist, R/V SUNCOASTER, West Florida Shelf.

March 2009, Chief Scientist, R/V Weatherbird II, West Florida Shelf

OTHER CRUISE RESPONSIBILITIES:

Four cruises in the equatorial Pacific during the NOAA-EPOCS experiment from 03/80 - 04/82.

Five additional SEQUAL cruises, in the equatorial Atlantic.

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 with
the Coastal Ocean Monitoring and Prediction System (COMPS) Program and the
Southeast Coastal Ocean Observing System Regional Association (SECOORA) Program,
for which I have primary operations responsibility for at-sea observations and models.

RECENT TESTIMONY, DEPOSITIONS, AFFIDAVITS

Helen Davis v State Farm Fire & Casualty Company, Cause No.: 1:06-cv-574 in the
United States District Court for the Southern District of Mississippi, Southern Division,
deposed on July 6, 2007

Lydia Schultz v State Farm Fire & Casualty Company, Cause No.: 1:06-cv-449 in the
United States District Court for the Southern District of Mississippi, Southern Division,
deposed on July 6, 2007

Reginald Edwin Bossier v State Farm Fire & Casualty Company, Cause No.: 1:08-cv-
00408 in the United States District Court for the Southern District of Mississippi,
Southern Division, Testimony on November 9, 2009.

*Dairy America, Inc. v New York Marine and General Insurance Company; Crump
Insurance Services; Southern Marine and Aviation Underwriters; Arthur J. Gallagher
and Company; Hartford Casualty Insurance Company*, Dist, Ct. No.: 1:07-cv-00537-

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, Plaintiffs. v. Blue Sea Adventures, Inc., SCUBA Toys Enterprises, L.L.C., and HEAD USA, Inc., Defendant, Cause No. CC-11-05941-E In The County Court at Law Number 5, Dallas County, Texas; Affidavit provided 2/23/12.

Florida Wildlife Federation, Inc.; Sierra Club, Inc.; Conservancy of Southwest Florida, Inc.; Environmental Confederation of Southwest Florida, Inc.; and St. Johns Riverkeeper, Inc., Petitioners *v. Department of Environmental Protection*, Respondent, and *Florida League of cities; James Sartori; Clay County Utility Authority; Florida Pulp & Paper Association Environmental Affairs, Inc.; Destin Water Users, Inc.; South Walton County Utility Co., Inc.; Emerald Coast Utilities Authority; South Florida Water Management District; The Florida Electric Power Coordinating Group, Inc.; Florida Fruit and Vegetable Association; Florida Sugar Cane League; and Florida Stormwater Association, Inc.*, Intervenors, Case Nos. 11-6137RP and 12-0157RP, hearing before Bram D. E. Canter, Administrative Law Judge of the Division of Administrative Hearings in Tallahassee, Florida, March 2, 2012.

Deposition for the above referenced cases held at Sierra Club Inc., Headquarters, St. Petersburg, FL., February 23, 2012.

United States of America v Lenin Lugo, Case # 8:17-cr-222-T-27JSS, in the United States District Court, Middle District of Florida, Tampa Division, Testimony on 1/9/18.