

CURRICULUM VITAE

Arnold L. Gordon

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DEGREES:

B.A. The Herbert Lehman College 1961
(formerly Hunter College of the City of N.Y.)
Ph.D. Columbia University of the City of New York 1965
Thesis: Quantitative study of the dynamics of
the Caribbean Sea. Advisor Professor Dr. G. Wüst
Sc.D. University of Cape Town, South Africa 2005
Honoris causa

EMPLOYMENT:

Assistant Professor, Geology Dept., Columbia University 66/67-70/71
Associate Professor, Geology Dept., Columbia University 71/72-76/77
Senior Staff, Lamont-Doherty Earth Observatory of
Columbia University, Palisades, N. Y. 10964 1971-
Chairman, Dept. of Geological Sciences, Columbia University 1976/77
Professor, Columbia University 1977-present
Lamont Associate Director, Division of Ocean and Climate Physics 2001-2014
Director, Lamont's Paros-PGI Observatory Technical and Innovation
Center 2005-2011

HONORS, SOCIETIES, EDITORSHIPS, VISITING APPOINTMENTS, ELECTED OFFICES:

- Sigma XI
- American Association for the Advancement of Science
- American Geophysical Union
- American Meteorology Society
- The Oceanography Society
- Visiting Scholar, Woods Hole Oceanographic Institution, 1971 (summer)
- Editor "Studies in Physical Oceanography - A Tribute to Georg Wüst on his 80th Birthday". 2 Vols. 1972
- Associate Editor, Journal of Geophysical Research 1973-1975
- Antarctic Site named for A.L. Gordon: Gordon Nunataks 72 deg 53'S;
63 deg 48'W 1977
- United States Antarctic Service Medal 1978
- Guest Investigator WHOI GFD Program (Summer) 1979, 1983
- Visiting Scientist of the JISAO at the University of Washington 1980
- Editor of EOS (AGU Transactions): The Oceanography Report 1981-1984
- President (elect/present) AGU Ocean Sciences Section 1984-1988

- The 9th Henry Bryant Bigelow Medal (awarded by WHOI) 1984
- Hunter College Hall of Fame 1985
- Fellow, American Geophysical Union 1989
- President (elect/present/post) The Oceanography Society 1989-96
- H. Burr Steinbach Visiting Scholar at WHOI (July 22-26, 1991) 1991
- Fellow, American Meteorological Society 1994
- Visiting Professor at the Naval Postgraduate School, Monterey, CA 1995
- AGU Ewing Medal 1999
- American Polar Society Honorary Membership 2000
- Arnold L. Gordon, Laurie Padman, Andrea Bergamasco, Guest Editors Southern Ocean Shelf Slope Exchange, Deep Sea Research Part II: Topical Studies in Oceanography, Volume 56, Issues 13-14- selected pp. 775-894 June 2009
- Guest Editors: A.L. Gordon and V.M. Kamenkovich: "Modeling and Observing the Indonesian Throughflow", Dynamics of Atmosphere and Ocean 2010
- Prince Albert I Medal of IAPSO 2013
- Fellow, Association for the Advancement of American Science 2013
- Houghton Lecturer, Massachusetts Institute of Technology 2015 (spring)
- Fellow, The Oceanography Society 2015
- Managing Guest Editor, Atmosphere-Ocean Dynamics of Bay of Bengal special issue of Deep Sea Research part II 2018-19
- Guest Editor for special issue of JGR-ocean, "Recent Progress in Oceanography and Air-Sea Interactions in Southeast Asian Archipelago" 2018-19
- AMS Henry Stommel Research Medal 2020
- AGU Harald Sverdrup Lecture 2020

COMMITTEES:

- Geochemical Ocean Section Study (GEOSECS), Scientific Advisory Council
- IOC Committee on "International Exchange of Oceanographic Data" 1970
- IOC Committee of "Cooperative Programs in the Southern Oceans 1970, 1977, 1983
- Ross Ice Shelf Project Steering Committee, NAS 1970-1972
- Antarctic Oceanography Working Group, Committee of Polar Research, National Academy of Sciences 1972-1973
- Ocean Science Committee, Task Group of Continuously Sampled Data 1972-1973
- Executive Committee of the International Southern Ocean Studies (ISOS) 1973-1980
- U.S. Member on the SCAR Working Group on Oceanography 1977-1982
- Polar Research Board of the National Research Council Member 1981-1985
- NSF Ocean Sciences - Panel Member 1981-1983
- Polar Oceans Climate Studies Panel, Ad Hoc Committee of the Ocean Sciences Board of NRC 1982-
- SCOR Working Group 74: Southern Ocean Committee 1982-
- Polar Research Board Committee on Antarctic Oceanography (Chairman) 1983-1986
- Steering Committee (Chairman) for the U.S. - German Polarstern Antarctic Expedition 1984-1986
- AGU Ewing Medal Subcommittee 1984-1986
- Member of U.S. National Committee for IUGG 1984-1988

NAS/Climate Research Committee	1985-1988
Geophysics Study Committee of NAS	1986-1989
Administrative Committee of the Lamont-Doherty Geological Observatory	1987-1990
WOCE Core Project 2 Working Group (Chairman 1987-92)	1987-1994
Ocean Studies Board of the National Research Council	1988-1993
U. S. WOCE Science Steering Committee	1988-1991
Science Working Group of NOAA Atlantic Climate Change Program (Co-Chairman 1988-1992)	1988-1995
Vetlesen Prize Award Committee	1991, 1994
Joint Science Committee., World Meteorological Organization	1992-1994
CLIVAR Scientific Steering Group (Chairman), WCRP	1993-1996
US Ocean CLIVAR Committee	1995-1996
AnZone (SCOR Affiliated Committee)	1997
Chairman of WHOI Visiting Committee for PO & AOPE, April	1999
GLOBEC SSC	1999
GSFC/NASA Visiting Committee for ESD, May	1999
AOML/NOAA Visiting Committee February	2000
AGU, James B. Macelwane Medal Committee (Chair, 2002-04)	2000-04
CLIVAR/CliC Southern Ocean Panel	2001-2003
US CLIVAR Southern Ocean WG (chairperson)	2002-
UCAR Representative from Columbia University	2004-2014
Member of the U.S. CLIVAR Salinity Working Group	2005-2007
Chair of ONR/DRI: PhilEx Steering Committee	2006-2012
Science Team for NASA Aquarius	2010-2015
[Korean] KORDI Science Advisory Committee	2010-2014
CLIVAR ITF Task Team	2011-2013
Cooperative Institute for Marine and Atmospheric Studies (CIMAS) review panel	2014

FIELD WORK:

1963	(July-Sept)	Survey of Indian Ocean aboard R/V ATLANTIS II
1965	(Sept-Nov)	USNS ELTANIN Cruise 20, Antarctic waters
1967	(April)	R/V GOSNOLD, Caribbean Sea
1968	(Feb-April)	USNS ELTANIN Cruise 33, Antarctic waters
1969	(Jan-March)	USNS ELTANIN Cruise 37, Antarctic waters (Chief Scientist)
1968-71		Frequent dye diffusion experiments in Bermuda waters
1970	(June-Sept)	USNS ELTANIN Cruise 44, Antarctic waters (Chief Scientist)
1971-72	(Nov-Jan)	USNS ELTANIN Cruise 50, Antarctic waters (Chief Scientist)
1975	(Feb-March)	R/V CONRAD Cruise 18-01, Drake Passage (Chief Scientist)
	(ISOS Cruise)	
1977	(Jan-Feb)	ARA ISLAS ORCADAS Cruise 12-77, Weddell Basin (Chief Sci.)
1979-80	(Dec-Jan)	R/V ATLANTIS II, 107-3, Argentine Basin (Chief Scientist)
1981	(Oct-Nov)	MIKHAIL SOMOV, Weddell Sea
1983	(Nov-Dec)	R/V KNORR, Agulhas Current (Chief Scientist)
1984	(Oct)	R/V THOMAS WASHINGTON, Brazil-Malvinas Confluence (Chief Scientist)
1986		POLARSTERN, Weddell Gyre
1991	(Dec)	BARUNA JAYA I cruise (Indonesia)

1992	(May-June)	NATHANIEL PALMER cruise 92-2 (Weddell Sea) (Chief Sci.)
1993	(May)	DISCOVERY II (Benguela Current) (Chief Scientist)
1993	(July-August)	BARUNA JAYA ARLINDO CRUISE (Indonesia)
1994	(January-Feb)	BARUNA JAYA ARLINDO CRUISE (Indonesia)
1995	(January-Mar)	KNORR 145-6 (WHP I-9n; Indian Ocean) (Chief Scientist)
1996	(Nov-Dec)	BARUNA JAYA IV ARLINDO CRUISE (Chief Scientist)
1997	(Aug-Sept)	NATHANIEL PALMER cruise NBP97-6 (Chief Scientist)
1998	(Feb-Mar)	BARUNA JAYA ARLINDO CRUISE (Chief Scientist)
2003	(Feb-Apr)	NATHANIEL PALMER cruise NBP03-02 (Chief Scientist)
2004	(Jan)	Baruna Jaya I INSTANT (Chief Scientist) deployment cruise
2005	(July)	Baruna Jaya I INSTANT (Chief Scientist) rotation cruise
2006	(Nov)	Baruna Jaya I INSTANT recovery cruise (Chief Scientist)
2007	(June/July)	MELVILLE, PhilEx Exploratory Cruise (Chief Scientist)
2008	(Jan-Feb)	MELVILLE, PhilEx IOP-08 Cruise (Chief Scientist)
2009	(Feb-Mar)	MELVILLE, PhilEx IOP-09 Cruise (Chief Scientist)
2011	(May-June)	Revelle, Lamon Bay (Chief Scientist)
2012	(April-May)	Revelle, Lamon Bay (Chief Scientist)
2015	(August)	Baruna Jaya VIII MITF (Chief Scientist)
2017	(August)	Baruna Jaya VIII MITF (Chief Scientist)

REPORTS (Coordinator or Prime Contributor)

1.	SCOR WG74 Southern Ocean	1985
2.	WOCE South Atlantic Sector Report	1985
3.	PRB Southern Ocean Physical/Chemical Oceanography to 2000 A Strategy Report	1988
4.	WOCE Core 2 Southern Ocean, Science Plan	1988
5.	NOAA Atlantic Climate Change Program Science Plan	1990
6.	AnZone Cover Document	1990
7.	WOCE Core Project 2 Meeting 4, Report	1991, 1992
8.	OSB/NRC "Oceanography for the 1990's"	1992
9.	Clivar Initial Science Plan, August 1995, WCRP-89	1995
10.	US Ocean Clivar Plan	1996
11.	Clivar Implementation Plan	1997
12.	Report of the Visiting Committee for the Departments of Physical Oceanogr. (PO) and Applied Ocean Physics and Engineering (AOPE)	1999
13.	US Clivar Southern Ocean and Climate Workshop Report	2001
14.	Guest Editor, Oceanography 18(4); December 2005	
15.	U.S. CLIVAR Salinity Science Working Group, Boyer, Carton Chao, Gordon, Johnson, Lagerloef, Large, Riser, Schmitt. July 5, 2007. U.S. CLIVAR Report No. 2007-1, US CLIVAR Office, Washington, DC	2007

PUBLICATIONS (Peer Review):

- 251 Guo-Qing Jiang, Qinjian Jin, Jun Wei, Paola Malanotte-Rizzoli, Arnold L. Gordon, Mingting Li (2021) A Reduction in the Sea Surface Warming Rate in the South China Sea during 1999-2010. *Climate Dynamics* in press.

- 250 Li, Mingting, Dongliang Yuan, Arnold L. Gordon, Laura K. Gruenburg, Xiang Li, Rui Li, Xueli Yin, Ya Yang, Corry Corvianatie, Jun Wei and Song Yang (2021) A strong sub-thermocline intrusion of the North Equatorial Subsurface Current into the Makassar Strait in 2016-2017. *Geophysical Research Letters* 48, doi: 10.1029/2021GL092505.
- 249 Bowen, M. M., D. Fernandez, A. Forcen-Vazquez, A. L. Gordon, B.A. Huber, P. Castagno and P. Falco (2021) The role of tides in bottom water export from the western Ross Sea. *Sci Rep* 11, 2246. <https://doi.org/10.1038/s41598-021-81793-5>
- 248 Campos, Edmo; Vieira, Filipe; Cavalcante, Georgetes ; Kjerfve, Bjorn; Abouleish, Mohamed; Shahriar, Sakib; Mohamed, Reem; Gordon, Arnold (2020) Impacts of brine disposal from water desalination plants on the physical environment in the Persian/Arabian Gulf. *Environmental Research Communications* <https://doi.org/10.1088/2515-7620/abd0ed>
- 247 D. L. Volkov, S.-K. Lee, A. L. Gordon, M. Rudko, (2020) Unprecedented reduction and quick recovery of the South Indian Ocean heat content and sea level in 2014–2018. *Sci. Adv.* 6, eabc1151 (2020).
- 246 Chen, Gengxin, Dongxiao Wang, Weiqing Han, Ming Feng, Fan Wang, Yuanlong Li, Ju Chen, A. L. Gordon (2020) The extreme El Niño events suppressing the intraseasonal variability in the eastern tropical Indian Ocean. *Journal of Physical Oceanography* 50(08):2359-2372, doi 10.1175/JPO-D-20-0041.1
- 245 HU Dunxin, WANG Fan, SPRINTALL Janet, WU Lixin, RISER Stephen, CRAVATTE Sophie , GORDON Arnold, ZHANG Linlin, CHEN Dake, ZHOU Hui, ANDO Kentaro, WANG Jianing, LEE Jae-Hak11, HU Shijian, WANG Jing, ZHANG Dongxiao, FENG Junqiao, LIU Lingling, VILLANOY Cesar, KALUWIN Chalapan, QU Tangdong, MA Yixin (2020) Review on observational studies of western tropical Pacific Ocean circulation and climate. *Journal of Oceanology and Limnology*, 38(4):906-929 doi: 10.1007/s00343-020-0240-1
- 244 Campos, E.J.D., Gordon, A.L., Kjerfve, B., Vieira, F., Cavalcante, G. (2020) Freshwater budget in the Persian (Arabian) Gulf and exchanges at the Strait of Hormuz. *PLoS ONE* 15(5): e0233090. <https://doi.org/10.1371/journal.pone.0233090>
- 243 Li, M., Gordon, A.L., Gruenburg, L. K., Wei, J., Yang, S. (2020) Interannual to decadal response of the Indonesian Throughflow vertical profile to Indo-Pacific forcing, *Geophysical Research Letters* 47, <https://doi.org/10.1029/2020GL087679>
- 242 Le Bel, D.A., Zappa, C. J., Budillon, G., Gordon, A. L. (2021) Salinity response to atmospheric forcing of the Terra Nova Bay polynya, Antarctica. *Antarctic Science*, doi:10.1017/S0954102021000146.
- 241 Gordon, A. L., Huber, B. A., & Abrahamsen, E. P. (2020). Interannual variability of the outflow of Weddell Sea Bottom Water. *Geophysical Research Letters*, 47, e2020GL087014. <https://doi.org/10.1029/2020GL087014>
- 240 Shroyer, E., A. L. Gordon, G. S. Jaeger, M. Freilich, A. Waterhouse, J. T. Farrar, VSS Sarma Vedula, R. Venkatesan, R. Weller, J.Moum, A. Mahadevan (2020) Upper Layer Thermohaline Structure of the Bay of Bengal during the 2013 Northeast Monsoon. *Deep Sea Research II*, special issue on the Bay of Bengal. <https://doi.org/10.1016/j.dsr2.2019.07.018>
- 239 Jiang, G.-Q., Wei, J., Malanotte-Rizzoli, P., Li, M., & Gordon, A. L. (2019). Seasonal and interannual variability of the subsurface velocity profile of the Indonesian Throughflow at Makassar Strait. *Journal of Geophysical Research: Oceans*, 124. <https://doi.org/10.1029/2018JC014884>

- 238 V.Hormann, L.Centurioni, A.L.Gordon (2019) Freshwater Export Pathways from the Bay of Bengal. *Deep Sea Research II*, special issue on the Bay of Bengal. <https://doi.org/10.1016/j.dsr2.2019.104645>
- 237 F. Bingham, J. Busecke, A. L. Gordon (2019) Variability of the South Pacific Subtropical Surface Salinity Maximum. *Journal of Geophysical Research Oceans* 124, <https://doi.org/10.1029/2018JC014598>.
- 236 Abrahamsen, E. P., A.J. S. Meijers, K.L. Polzin, A.C. Naveira Garabato, B.A. King, Y. L. Firing, Jean-Baptiste Salle, K. L. Sheen, A. L. Gordon, B. A. Huber, M. P. Meredith (2019) Stabilization of dense Antarctic water supply to the Atlantic Ocean overturning circulation. *Nature Climate Change*. <https://doi.org/10.1038/s41558-019-0561-2>.
- 235 Li, M., J.Wei, D.Wang, A.L.Gordon, S.Yang, P.Malanotte-Rizzoli, G-Q. Jiang (2019) Exploring the importance of the Mindoro–Sibutu pathway to the upper-layer circulation of the South China Sea and the Indonesian Throughflow. *Journal of Geophysical Research Oceans: Recent Progresses in Oceanography and Air-Sea Interactions in Southeast Asian Archipelago*. 124, <https://doi.org/10.1029/2018JC014910>.
- 234 Janet Sprintall, Arnold L Gordon, Susan E. Wijffels, Ming Feng, Shijian Hu, Ariane Koch-Larrouy, Helen E. Phillips, Dwiyoga Nugroho, Asmi Napitu, Kandaga Pujiana, R Dwi Susanto, Bernadette M. Sloyan, Dongliang Yuan, Nelly Florida Riama, Siswanto Siswanto, Anastasia Kuswardani, Zainal Arifin, Hui Zhou, Taira Nagai, Joseph Kojo Ansong, Romain Bourdalle-Badie, Jerome Chanut, Florent Lyard, Brian K Arbic, Andri Ramdhani, Agus Setiawan (2019) Detecting change in the Indonesian Seas. *Front. Mar. Sci.* | doi: 10.3389/fmars.2019.00257.
- 233 Nadya Vinogradova, Tong Lee, Jacqueline Boutin, Kyla Drushka, Severine Fournier, Roberto Sabia, Detlef Stammer, Eric Bayler, Nicolas Reul, Arnold Gordon, Oleg Melnichenko, Laifang Li, Eric Hackert, Matthew Martin, Nicolas Kolodziejczyk, Audrey Hasson, Shannon Brown, Sidharth Misra, Eric Lindstrom (2019) Satellite Salinity Observing System: Recent Discoveries and the Way Forward. *Frontiers in Marine Science*, section Ocean Observation. doi: 10.3389/fmars.2019.00243.
- 232 Napitu, A., K. Pujiana, A.L.Gordon (2019) The Madden-Julian Oscillation’s Impact on the Makassar Strait Surface Layer Transport. *Journal of Geophysical Research Oceans: Recent Progresses in Oceanography and Air-Sea Interactions in Southeast Asian Archipelago*. 124, 3538–3550. <https://doi.org/10.1029/2018JC014729>
- 231 Cheon, W-G and A.L.Gordon (2019) Open-ocean polynyas and deep convection in the Southern Ocean, *Nature Scientific Reports*, doi: 10.1038/s41598-019-43466-2
- 230 Lee, Tong, Séverine Fournier, Arnold L. Gordon, Janet Sprintall (2019) Maritime Continent Water Cycle Regulates Low-latitude Chokepoint of Global Ocean Circulation, *Nature Communications*, 10.1038/s41467-019-10109-z.
- 229 Pujiana, Kandaga, Michael J. McPhaden , Arnold L. Gordon , Asmi M. Napitu (2019) Unprecedented response of Indonesian throughflow to anomalous Indo-Pacific climatic forcing in 2016. *Journal of Geophysical Research Oceans: Recent Progresses in Oceanography and Air-Sea Interactions in Southeast Asian Archipelago*. 124, 3737–3754. <https://doi.org/10.1029/2018JC014574>.
- 228 Gordon, Arnold L., Asmi Napitu, Bruce A. Huber, Laura K. Gruenburg, Kandaga Pujiana, Teguh Agustadi, Anastasia Kuswardani, Nurman Mbay, Agus Setiawan (2019) Makassar Strait Throughflow Seasonal and Interannual Variability, an Overview. *Journal of Geophysical Research Oceans: Recent Progresses in Oceanography and Air-Sea Interactions in Southeast Asian Archipelago*. 124, 3724–3736, <https://doi.org/10.1029/2018JC014502>

- 227 Murty, S. A., Goodkin, N. F., Wiguna, A. A., & Gordon, A. L. (2018). Variability in coral-reconstructed sea surface salinity between the northern and southern Lombok Strait linked to East Asian winter monsoon mean state reversals. *Paleoceanography and Paleoclimatology*, 33. <https://doi.org/10.1029/2018PA003387>
- 226 Gruenburg, L.K., and A.L. Gordon (2018) Variability in Makassar Strait heat flux and its effect on the eastern tropical Indian Ocean. *Oceanography* 31(2), Guest Editors: Paul J. Durack, Lars H. Smedsrud Alex Sen Gupta <https://doi.org/10.5670/oceanog.2018.220>.
- 225 Li, Mingting, Arnold L. Gordon, Jun Wei, Laura K. Gruenburg, and Guoqing Jiang (2018) Multi-decadal time series of the Indonesian Throughflow. *Dynamics of Atmospheres and Oceans*. Volume 81: 84-95, <https://doi.org/10.1016/j.dynatmoce.2018.02.001>
- 224 Purkey, Sarah G., William M. Smethie Jr., Geoffrey Gebbie, Arnold L. Gordon, Rolf E. Sonnerup, Mark J. Warner, John L. Bullister (2018) A Synoptic View of the Ventilation and Circulation of Antarctic Bottom Water from Chlorofluorocarbons and Natural Tracers. *Annual. Rev. Mar. Sci.* 2018. 10(1): 503–527 <https://doi.org/10.1146/annurev-marine-121916-063414>
- 223 Tesdal, J., R. Abernathy, J. Goes, A. Gordon, and T. Haine, (2018) Salinity trends within the upper layers of the subpolar North Atlantic. *Journal of Climate*. doi:10.1175/JCLI-D-17-0532.1.
- 222 Cheon, Woo Geun; Chang-Bong Cho; Arnold L. Gordon; Young Ho Kim; and Young-Gyu Park, (2018) "The role of oscillating Southern Hemisphere westerly winds: Southern Ocean coastal and open-ocean polynyas." *Journal of Climate* , Vol 31(3):1053-1073 <https://doi.org/10.1175/JCLI-D-17-0237.1>
- 221 Murty, S. A., N.F. Goodkin, H. Halide, D. Natawidjaja, B. Suwargadi, I. Suprihanto D. Prayudi, A. D. Switzer, A.L. Gordon (2017) Climatic influences on southern Makassar Strait salinity over the past century. *Geophysical Research Letters*, 44. <https://doi.org/10.1002/2017GL075504>
- 220 Centurioni, L.R., V. Hormann, L.D. Talley, I. Arzeno, L. Beal, M. Caruso, P. Conry, R. Echols, H.J.S. Fernando, S.N. Giddings, A. Gordon, H. Graber, R.R. Harcourt, S.R. Jayne, T.G. Jensen, C.M. Lee, P.F.J. Lermusiaux, P. L'Hegaret, A.J. Lucas, A. Mahadevan, J.L. McClean, G. Pawlak, L. Rainville, S.C. Riser, H. Seo, A.Y. Shcherbina, E. Skyllingstad, J. Sprintall, B. Subrahmanyam, E. Terrill, R.E. Todd, C. Trott, H.N. Ulloa, and H. Wang. 2017. Northern Arabian Sea Circulation-Autonomous Research (NASCar): A research initiative based on autonomous sensors. *Oceanography* 30(2):74–87, <https://doi.org/10.5670/oceanog.2017.224>.
- 219 Lee, S.-K., D. L. Volkov, H. Lopez, W. G. Cheon, A. L. Gordon, Y. Liu, and R. Wanninkhof (2017), Wind-driven ocean dynamics impact on the contrasting sea-ice trends around West Antarctica, *J. Geophys. Res. Oceans*, 122, doi:10.1002/2016JC012416.
- 218 Gordon, A. L., E. Shroyer, V.S.N. Murty (2017) An Intrathermocline Eddy and a tropical cyclone in the Bay of Bengal. *Sci. Rep.* 7, 46218; doi: 10.1038/srep46218.
- 217 Busecke, J., R. Abernathy, and A. Gordon, 2017: Lateral eddy mixing in the subtropical salinity maxima of the global ocean. *J. Phys. Oceanogr.* doi:10.1175/JPO-D-16-0215.1
- 216 Linsley, B. K., H. C. Wu, T. Rixen, C. D. Charles, A. L. Gordon, and M. D. Moore (2017), SPCZ zonal events and downstream influence on surface ocean conditions in the Indonesian Throughflow region, *Geophys. Res. Lett.*, 43, doi:10.1002/2016GL070985.
- 215 Rosenzweig, B., A. L Gordon, J. Marra, R. Chant, C. J. Zappa, A. S. Parris (2016) Resilience Indicators and Monitoring: An Example of Climate Change Resiliency

- Indicators for Jamaica Bay. Chapter 7 pages 141-165. In: Sanderson E.W., Solecki W.D., Waldman J.R., Parris A.S. (eds) Prospects for Resilience. Island Press, Washington, DC,
- 214 Wei, J., M. T. Li, P. Malanotte-Rizzoli, A. L. Gordon and D. X. Wang (2016) "Opposite variability of Indonesian Throughflow and South China Sea Throughflow in the Sulawesi Sea", *Jour Phys Oceanogr* 46(10):3165-3180. doi:10.1175/JPO-D-16-0132.1
- 213 Gordon, A. L. (2016), The marine hydrological cycle: The ocean's floods and droughts, *Geophys. Res. Lett.* , 43, doi:10.1002/2016GL070279.
- 212 Gordon, A.L., E.L. Shroyer, A. Mahadevan, D. Sengupta, and M. Freilich. 2016. Bay of Bengal: 2013 northeast monsoon upper-ocean circulation. *Oceanography* 29(2):82–91, <http://dx.doi.org/10.5670/oceanog.2016.41>.
- 211 Wijesekera, Hemantha W, Emily Shroyer, Amit Tandon, M Ravichandran, Debasis Sengupta, SUP Jinadasa, Harindra JS Fernando, Neeraj Agarwal, K Arulananthan, GS Bhat, Mark Baumgartner, Jared Buckley, Luca Centurioni, Patrick Conry, J Thomas Farrar, Arnold L Gordon, Verena Hormann, Ewa Jarosz, Tommy G Jensen, Shaun Johnston, Matthias Lankhorst, Craig M Lee, Laura S Leo, Iossif Lozovatsky, Andrew J Lucas, Jennifer Mackinnon, Amala Mahadevan, Jonathan Nash, Melissa M Omand, Hieu Pham, Robert Pinkel, Luc Rainville, Sanjiv Ramachandran, Daniel L Rudnick, Sutanu Sarkar, Uwe Send, Rashmi Sharma, Harper Simmons, Kathleen M Stafford, Louis St Laurent, Karan Venayagamoorthy, Ramasamy Venkatesan, William J Teague, David W Wang, Amy F Waterhouse, Robert Weller, Caitlin B Whalen (2016) ASIRI: An Ocean-Atmosphere Initiative for Bay of Bengal. *Bulletin of the American Meteorological Society*. DOI: <https://doi.org/10.1175/BAMS-D-14-00197.1>
- 210 Cabrera, O. C., C. L. Villanoy, I. D. Alabia, A.L. Gordon (2015) Shifts in chlorophyll *a* associated with the North Equatorial Current bifurcation latitude off eastern Luzon, Philippines. *Oceanography* 28(4):46–53, <http://dx.doi.org/10.5670/oceanog.2015.80>.
- 209 Lien, R.-C., B. Ma, C.M. Lee, T.B. Sanford, V. Mensah, L.R. Centurioni, B.D. Cornuelle, G. Gopalakrishnan, A.L. Gordon, M.-H. Chang, S.R. Jayne, and Y.J. Yang. (2015) The Kuroshio and Luzon Undercurrent east of Luzon Island. *Oceanography* 28(4):54–63, <http://dx.doi.org/10.5670/oceanog.2015.81>.
- 208 Napitu, A. M., A.L. Gordon, K. Pujiana (2015) Intraseasonal Sea Surface Temperature Variability Across the Indonesian Sea, *Jour of Climate.*, Vol. 28, No. 22: 8710-8727.
- 207 Cheon, W. G., S.-K. Lee, A. L. Gordon, Y. Liu, C.-B. Cho, and J. J. Park (2015), Replicating the 1970s' Weddell Polynya using a coupled ocean-sea ice model with reanalysis surface flux fields, *Geophys. Res. Lett.*, 42, 5411-5418, doi:10.1002/2015GL064364.
206. Schmitt, R.W., Asher, W., Bingham, F., Carton, J., Centurioni, L., Farrar, T., Gordon, A., Hodges, B., Jessup, A., Kessler, W.S. (2015) From Salty to Fresh-Salinity Processes in the Upper-Ocean Regional Study-2 (SPURS-2): Diagnosing the Physics of a Rainfall-Dominated Salinity Minimum. *Oceanography*, 28(1), 150-159
205. Gordon, A. L., B. A. Huber, and J. Busecke (2015), Bottom water export from the western Ross Sea, 2007 through 2010, *Geophys. Res. Lett.*, 42, 5387-5394, doi:10.1002/2015GL064457.
204. Hu D, L Wu, W Cai, A S Gupta, A Ganachaud, B Qiu, A L. Gordon, X Lin, Z Chen, S Hu, G Wang, Q Wang, J Sprintall, T Qu, Y Kashino, F Wang, & W Kessler (2015) "Pacific western boundary currents and their roles in climate" *Nature*: vol 522: 299-308, doi: 10.1038/nature14504
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