

CURRICULUM VITAE
Arnold L. Gordon

Nationality: U. S. Citizen
 Telephone: voice (845) 365-8325
 fax (845) 365-8157
 mobile (845) 536-1731
 e/mail agordon@ldeo.columbia.edu
<http://www.ldeo.columbia.edu/user/agordon>

DEGREES:

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

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 2018-19
special issue of Deep Sea Research part II
- 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
- NPOCE, Distinguished Contribution Award 2022

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
Vetlesen Prize Selection Committee	2022

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, Lamou Bay (Chief Scientist)
2012	(April-May)	Revelle, Lamou 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):

260	Gordon, A.L. (2022) How did I get from There to Here? AGU <i>Perspectives of Earth and Space Scientists</i> , 3. doi:10.1029/2022CN000159
259	Edmo J. D. Campos, Arnold L. Gordon, Georgenes Cavalcante, Björn Kjerfve, Mohamed Abouleish (2022) "Impacts of the Red Sea and Persian Gulf on the Northern Indian Ocean in Numerical Simulations". <i>Ocean and Coastal Research</i> , V70:e22050

- <http://doi.org/10.1590/2675-2824070.22019ejdc>.
- 258 Bohman, S.M. and Gordon, A.L. (2022). Mixed layer evolution in high and low sea level anomaly features in the Bay of Bengal. *Dynamics of Atm and Ocean*, vol.100 <https://doi.org/10.1016/j.dynatmoce.2022.101335>
- 257 Weiss, T. L., Linsley, B. K., Gordon, A.L., Rosenthal, Y., & Dannenmann-DiPalma, S. (2022). Constraints on marine isotope stage 3 and 5 sea level from the flooding history of the Karimata Strait in Indonesia. *Paleoceanography and Paleoclimatology*, 37, e2021PA004361. <https://doi.org/10.1029/2021PA004361>
- 256 Kannad, A., Goodkin, N. F., Samanta, D., Murty, S. A., Ramos, R. D., Smerdon, J. E., & Gordon, A. L. (2022). Drivers of coral reconstructed salinity in the South China Sea and Maritime Continent: The influence of the 1976 Indo-Pacific climate shift. *Journal of Geophysical Research: Oceans*, 127, e2021JC017787. <https://doi.org/10.1029/2021JC017787>
- 255 Herron, A.J., Bohman, S.M., Gordon, A.L., (2022) Freshwater transport by eddies within the Bay of Bengal's central axis, *Deep-Sea Research Part I*, doi: <https://doi.org/10.1016/j.dsr.2022.103770>.
- 254 Mingting Li, Huijie Xue, Jun Wei, Linlin Liang, Arnold L. Gordon, Song Yang (2021) The Role of the Mindoro-Sibutu Pathway on the South China Sea Multi-layer Circulation. *Journal of Physical Oceanography*, 51(9):2727-2782, doi 10.1175/JPO-D-20-0165.1.
- 253 Weiss, Thomas L., Braddock K Linsley, Arnold L. Gordon (2021) Pacific North Equatorial Current Bifurcation Latitude and Kuroshio Current Shifts Since the Last Glacial Maximum Inferred from a Sulu Sea Thermocline Reconstruction. *Quaternary Science Reviews*. 264 (2021) 106999 <https://doi.org/10.1016/j.quascirev.2021.106999>
- 252 Emily Shroyer, Ph.D.; Amit Tandon; Debasis Sengupta; Harindra J.S. Fernando; Andrew J. Lucas; J. Thomas Farrar; Rajib Chattopadhyay; Simon de Szoeki; Maria Flatau; Adam Rydbeck; Hemantha Wijesekera; Michael McPhaden; Hyodae Seo; Aneesh Subramanian; R Venkatesan; Jossia Joseph; S. Ramsundaram; Arnold L. Gordon; Shannon M. Bohman; Jaynise Perez; Iury Simoes-Sousa; Steven R. Jayne; Robert E. Todd; G.S. Bhat; Matthias Lankhorst; Tamara Schlosser; Katherine Adams; S.U.P Jinadasa; Manikandan Mathur; M. Mohapatra; E. Pattabhi Rama Rao; A. K. Sahai; Rashmi Sarma; Craig Lee; Luc Rainville; Deepak Cherian; Kerstin Cullen; Luca R. Centurioni; Verena Hormann; Jennifer MacKinnon; Uwe Send; Arachaporn Anutaliya; Amy Waterhouse; Garrett S. Black; Jeremy A. Dehart; Kaitlyn M. Woods; Edward Creegan; Gad Levy; Lakshmi H Kantha; Bulusu Subrahmanyam (2021) Bay of Bengal Intraseasonal Oscillations and the 2018 Monsoon Onset, *BAMS* doi: <https://doi.org/10.1175/BAMS-D-20-0113.1>
- 251 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*, 1-14. doi:10.1017/S0954102021000146. [2018 in google scholar]
- 250 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* <https://doi.org/10.1007/s00382-021-05796-8>.
- 249 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.

- 248 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>
- 247 Campos, Edmo; Vieira, Filipe; Cavalcante, Georgenes ; 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>
- 246 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).
- 245 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
- 244 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
- 243 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>
- 242 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>
- 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 Agustiadi, 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. Skillingstad, 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
203. Lee, S.-K., W. Park, M. O. Baringer, A. L. Gordon, B. Huber, and Y. Liu (2015), Pacific origin of the abrupt increase in Indian Ocean heat content during the warming hiatus, *Nature Geosci*, 8(6), 445-449, doi:10.1038/ngeo2438
202. Pullen, J., Gordon, A.L., Flatau, M., Doyle, J.D., Villanoy, C., Cabrera, O. (2015) "Multi-scale influences on extreme winter rainfall in the Philippines" *Journal of Geophysical Research Atmospheres* vol 120, doi:10.1002/2014JD022645
201. Gordon, A.L., C.F. Giulivi, J. Busecke, and F.M. Bingham. (2015) 'Differences among subtropical surface salinity patterns. *Oceanography* 28(1):32–39, <http://dx.doi.org/10.5670/oceanog.2015.02>.

200. Bingham, F., Busecke, J., Gordon, A.L., Giulivi, C., Li, Z., (2014) "The North Atlantic Subtropical Surface Salinity Maximum as Observed by Aquarius", *Journal of Geophysical Research - Oceans* vol 119, doi:10.1002/2014JC009825.
199. Gordon, A. L., P. Flament, C. Villanoy, and L. Centurioni (2014), The nascent Kuroshio of Lamon Bay, *J. Geophys. Res. Oceans*, 119, 4251–4263, doi:10.1002/2014JC009882.
198. Busecke, J., Gordon, A.L., Li, Z., Bingham, F.M., Font, J., (2014) "Subtropical surface layer salinity budget and the role of mesoscale turbulence", *Journal of Geophysical Research Oceans* vol 119), doi:10.1002/2013JC009715
197. Gordon, A.L., (2014) "Oceanography: Southern Ocean polynya", *News and Views for Nature Climate Change*, vol (4), 249 – 250; doi:10.1038/nclimate2179
196. Sprintall, J., Gordon, A.L., Koch-Larrouy, A., Lee, T., Potemra, J.T., Pujiana, K., Wijffels, S.E., (2014) "The Indonesian Seas and their impact on the Coupled Ocean-Climate System" *Nature Geosciences*, vol(7) 487 – 492 DOI: 10.1038/NGEO2188
195. Gordon, A.L., Giulivi, C.F., (2014) "Ocean eddy freshwater flux convergence into the North Atlantic Subtropics" *Journal of Geophysical Research – Oceans*: vol 119, doi:10.1002/2013JC009596
194. Wilson, E. A., A. L. Gordon, and D. Kim (2013), Observations of the Madden Julian Oscillation during Indian Ocean Dipole events, *J. Geophys. Res. Atmos.*, 118, 2588–2599, doi:10.1002/jgrd.50241
193. Pujiana, K., Gordon, A.L., Sprintall, J. (2013) "Intraseasonal Kelvin wave in Makassar Strait" *Journal of Geophysical Research Oceans*: vol 118: 2023-2034, doi:10.1002/jgrc.20069
192. Susanto, R.D., Ffield, A., Gordon, A.L., Adi, T.R.(2012) "Variability of Indonesian Throughflow within Makassar Strait: 2004 – 2009" *Journal of Geophysical Research Oceans*: doi:10.1029/2012JC008096 vol(117) C09013
191. Gordon, A.L. (2012) "Circumpolar View of the Southern Ocean from 1962 to 1992" *Oceanography*, vol 24(3) 18-23 <http://dx.doi.org/10.5670/oceanog.2012.69>.
190. Gordon, A.L., Huber, B.A., Metzger, E.J., Susanto, R.D., Hurlburt, H.E., Adi, T.R. (2012) South China Sea Throughflow Impact on the Indonesian Throughflow" *Geophysical Research Letters*: doi:10.1029/2012GL052021 vol (39) L11602
189. Cazenave, A., Henry, O., Munier, S., Delcroiz, T., Gordon, A.L. Meyssignac, B., Llovel, W., Palanisamy, H., Becker, M. (2012) "Estimating ENSO influence on the global mean sea level over 1993-2010" *Marine Geodesy* 35(sup1): 82-97. DOI:10.1080/01490419.2012.718209
188. Tessler, Z.D., Gordon, A.L., Jackson, C.R. (2012) "Early stage soliton observations in the Sulu Sea" *Journal of Physical Oceanography* vol(42) 1327-1336
187. Sprintall, J., Gordon, A.L., Flament, P., Villanoy, C. L. (2012) "Observations of Exchange between the South China Sea and the Sulu Sea" *Journal of Geophysical Research Oceans*: doi:10.1029/2011JC007610 vol(117) C05036
186. Pujiana, K., Gordon, A.L., Metzger, E.J., Ffield, A.L. (2012) "The Makassar Strait Pycnocline Variability at 20-40 Days" *Dynamics of Atmospheres and Oceans* vol(53-54) 17- 35
185. Gordon, A.L., Tessler, Z.D., Villanoy, C. (2011) "Dual overflows into the deep Sulu Sea" *Geophysical Research Letters*: doi:10.1029/2011GL048878 vol(38) L18606
184. McKee, D., Yuan, X., Gordon, A.L., Huber, B.A., Dong, Z. (2011) "Climate Impact on Interannual Variability of Weddell Sea Bottom Water." *Journal of Geophysical Research Ocean*: doi: 10.1029/2010JC006484 vol(116) C05020

183. Cabrera, O., Villanoy, C., David, L., Gordon, A.L. (2011) "Barrier Layer Control of Entrainment and Upwelling in the Bohol Sea, Philippines" *Oceanography* 24(1) 130 – 141.
182. Pullen, J., Gordon, A.L., Sprintall, J., Lee, C.M., Alford, M.H., Doyle, P., May, P. (2011) "Atmospheric and Oceanic Processes in the Vicinity of an Island Strait" *Oceanography* 24(1) 112 – 121.
181. Meredith, M.P., Gordon, A.L., Naveira Garabato, A.C., Abrahamsen, E.P., Huber, B.A., Jullion, L., Venables, H.J. (2011) "Synchronous intensification and warming of Antarctic Bottom Water outflow from the Weddell Gyre" *Geophysical Research Letters*: doi:10.1029/2010GL046265 vol(38) L03603
180. Arango, H.G., Levin, J.C., Curchitser, E., Zhang, B., Moore, A.M., Han, W., Gordon, A.L., Lee, C., Girton, J.B. (2011) "Development of a Hindcast/Forecast Model for the Philippine Archipelago" *Oceanography* vol 24(1) 58 – 69.
179. Gordon, A.L., Sprintall, J., Ffield, A. (2011) "Regional Oceanography of the Philippine Archipelago" *Oceanography* vol 24(1) 14 – 27.
178. Comiso, J.C., Kwok, R., Martin, S., Gordon, A.L. (2011) "Variability and Trends in Sea Ice Extent and Ice Production in the Ross Sea" *Journal of Geophysical Research*: doi:10.1029/2010JC006391 vol(116): C04021.
177. Tessler, Z., Gordon, A.L., Pratt, L., Sprintall, J. (2010) "Panay Sill Overflow Dynamics" *Journal of Physical Oceanography* vol 40(12): 2679 - 2695
176. Gordon, A.L., Huber, B.A., McKee, D., Visbeck, M.H. (2010) "A seasonal cycle in the export of bottom water from the Weddell Sea" *Nature Geoscience*: doi:10.1038/ngeo916 vol(3): 551 – 556.
175. Rypina, I.I., L.J. Pratt, J. Pullen, J. Levin, A.L. Gordon (2010) "Chaotic Advection in an Archipelago" *Journal of Physical Oceanography*: doi:10.1175/2010JPO4336.1 vol(40): 1988 – 2006.
174. Tillinger, D., A.L. Gordon (2010) "Transport Weighted Temperature and Internal Energy Transport of the Indonesian Throughflow" *Dynamics of Atmosphere and Ocean*: doi:10.1016/j.dynatmoce.2010.01.002 "Modeling and Observing the Indonesian Throughflow", Guest Editors: A.L. Gordon and V.M. Kamenkovich, vol(50) 224-232.
173. Metzger, E.J., Hurlburt, H.E., Xu, X., Shriver, J.F., Gordon, A.L., Sprintall, J., Susanto, R.D., van Aken, H.M. (2010) "Simulated and Observed Circulation in the Indonesian Seas: 1/12° Global HYCOM and the INSTANT Observations." "Modeling and Observing the Indonesian Throughflow", Guest Editors: A. L. Gordon and V.M. Kamenkovich, *Dynamics of Atmosphere and Oceans* vol(50) 275-300
172. Gordon, A.L., Sprintall, J., Van Aken, H.M., Susanto, D., Wijffels, S., Molcard, R., Ffield, A., Pranowo, W., Wirasantosa, S. (2010) "The Indonesian Throughflow during 2004-2006 as observed by the INSTANT program." "Modeling and Observing the Indonesian Throughflow", Guest Editors: A. L. Gordon and V.M. Kamenkovich, *Dynamics of Atmosphere and Oceans* vol(50) 115-128
171. Rintoul, S. R., Balmeseda, M., Cunningham, S. Dushaw, B.D., Garzoli, S., Gordon, A.L., Heimbach, P. Hood, M. Johnson, G.C., Latif, M. Send, U., Shum, C., Speich, S., Stammer, D. (2010) "Deep Circulation And Meridional Overturning: Recent Progress And A Strategy For Sustained Observations" in *Proceedings of OceanObs'09: Sustained Ocean Observations and Information for Society (Vol. 1)*, Venice, Italy, 21-25 September 2009, Hall, J., Harrison, D.E. & Stammer, D., Eds., ESA Publication WPP-306, doi:10.5270/OceanObs09.pp.32

170. Gordon, A.L., Sprintall, J., Wijffels, S., Susanto, D., Molcard, R., Van Aken, H.M., Ffield, A.L., deRuijter, W., Lutjeharms, J., Speich, S., Beal, L. (2010) "Interocean Exchange of Thermocline Water: Indonesian Throughflow; "Tassie" Leakage; Agulhas Leakage" in Proceedings of the "OceanObs'09: Sustained Ocean Observations and Information for Society" Conference, vol. (2): Venice, Italy, 21-25 September 2009, Hall, J., Harrison D.E., Stammer, D., Eds., ESA Publication WPP-306, 2010, doi:10.5270/OceanObs09.cwp.37
169. Gordon, A.L., Bergamasco, A., Padman, L. (guest editors) (2009) "Southern Ocean Shelf Slope Exchange" *Deep Sea Research II* 56(13-14): 775-777.
168. Pujiana, K., Gordon, A.L., Sprintall, J., Susanto, D., (2009) "Intraseasonal Variability in the Makassar Strait Thermocline" *Journal of Marine Research* vol 67(6): 757 – 777.
167. Tillinger, D.; Gordon, A.L.; (2009) "Fifty Years of the Indonesian Throughflow." *Journal of Climate* 22(23):6342 – 6355.
166. Muench, R.D., L. Padman, A.L. Gordon, A.H. Orsi (2009) "A dense water outflow from the Ross Sea, Antarctica: Mixing and the contribution of tides." *Journal of Marine Systems*, doi:10.1016/j.jmarsys.2008.11.003 vol.(77): 369-387.
165. Legg, S., Y. Chang, E. Chassignet, G. Danabasoglu, T. Ezer, A. Gordon, S. Griffes, R. Hallberg, L. Jackson, W. Large, T. Ozgokmen, H. Peters, J. Price, U. Riemenschneider; W. Wu, X. Xu, J. Yang (2009) "Improving oceanic overflow representation in climate models: the Gravity Current Entrainment Climate Process Team" *Bulletin of the American Meteorological Society*, vol 90(5):657-670.
164. Gordon, A.L., A. H. Orsi, R. Muench, B. A. Huber, E. Zambianchi, M. Visbeck (2009) "Western Ross Sea Continental Slope Gravity Currents." *Deep-Sea Research Part II, "Southern Ocean Shelf Slope Exchange"*, vol. (56): 796-817. Editors: A. Gordon, L. Padman, A. Bergamasco, doi:10.1016/j.dsr2.2008.10.037
163. Gordon, A.L.; T. Yanagi (2009) "Water masses and circulation of the Southeast Asian Seas" Section 6.1 in Lebel L., Snidvongs, A., Chen , C-T. A., Daniel, R. 2008 (Eds) *A common need for action: global environmental change and development in monsoon Southeast Asia*. Gerakbudaya: Kuala Lumpur. 295 - 308
162. Gordon, A. L.; R. D. Susanto; A. Ffield; B. A. Huber; W. Pranowo; S. Wirasantosa (2008) "Makassar Strait Throughflow, 2004 to 2006", *Geophys. Res. Letters*,35, L24605, doi:10.1029/2008GL036372
161. Han, W., Moore, A.M., Levin, J., Zhang, B., Arango, H.G., Curchitser, E., Di Lorenzo, E., Gordon, A.L., Lin, J. (2009), Seasonal surface ocean circulation and dynamics in the Philippine Archipelago region during 2004–2008, *Dynamics of Atmospheres and Oceans*, 47(1–3), 114-137, doi:http://dx.doi.org/10.1016/j.dynatmoce.2008.10.007.
160. Gordon, A.L., C.F. Giulivi (2008) "Sea Surface Salinity trends over 50 years within the Subtropical North Atlantic" *Oceanography*, 21:20-29.
159. Meredith, M.P.; A.C. Naveira Garabato, A.L. Gordon, G.C. Johnson (2008) "Evolution of the Deep and Bottom Waters of the Scotia Sea, Southern Ocean, during 1995 – 2005" *Journal of Climate*, Vol. 21 July 1, 2008, 3327 – 3343, 10.1175/2007JCLI2238.1
158. Seager, R., N. Graham, C. Herweijer, A. Gordon, Y. Kushnir, E. Cook (2007) "Blueprints for Medieval hydroclimate" *Quaternary Science Review* 26, 2322-2336.
157. Susanto, R.D., A. Gordon, J. Sprintall (2007) "Observations and Proxies of the Surface Layer Throughflow in Lombok Strait" *Journal of Geophysical Research*, 112(C3), C03S92 10.1029/2006JC003790.

156. Gordon, A.L., M. Visbeck, J.C. Comiso (2007) "A possible link between the Weddell Polynya and the Southern Annular Mode" *Journal of Climate* 20(11) June, 2007, 2558-2571, <https://doi.org/10.1175/JCLI4046.1>.
155. Giulivi, C.F. and A.L.Gordon (2006) "Isopycnal displacements within the Cape Basin thermocline as revealed by the Hydrographic Data Archive." *Deep-Sea Research Part I* 53(8) August 2006, doi:10.1016/j.dsr.2006.05.011.
154. Gordon, A.L.,(2005) *Oceanography of the Indonesian Seas and Their Throughflow*. *Oceanography* 18(4): pages 14-27
153. Vranes,K. and A.L. Gordon,(2005) "Comparison of Indonesian Throughflow Transport Observations, Makassar Strait to Eastern Indian Ocean." *GRL*, 32, May L10606, doi: 10.1029/2004GL022158.
152. Susanto, R. D. and A. L. Gordon 2005 Velocity and Transport of the Makassar Strait Throughflow. *J. Geophys. Res.*, 110, Jan C01005, doi:10.1029/2004JC002425.
151. Gordon, A. L., E. Zambianchi, A. Orsi, M. Visbeck, C. F. Giulivi, T. Whitworth III, G. Spezie (2004), Energetic plumes over the western Ross Sea continental slope, *Geophys. Res. Lett.*, 31, L21302, doi:10.1029/2004GL020785.
150. Song, Q and A. Gordon [2004] "Significance of the Vertical Profile of Indonesian Throughflow Transport on the Indian Ocean " *Geop. Res. Letts.* 31, L16307, doi:10.1029/2004GL020360.
149. Gordon, A.L. and C.F. Giulivi (2004) Pacific Decadal Oscillation and Sea Level in the Japan/East Sea. *Deep-Sea Research Part I: Oceanographic Research Papers*, 51(5): 653-663.
148. Song, Q., A.L. Gordon, and M. Visbeck (2004) Spreading of the Indonesian Throughflow in the Indian Ocean. *J. Phys. Oceanogr.* 34,772-792. [https://doi.org/10.1175/1520-0485\(2004\)034<0772:SOTITI>2.0.CO;2](https://doi.org/10.1175/1520-0485(2004)034<0772:SOTITI>2.0.CO;2)
147. Gordon, A.L. (2003) The brawniest retroflection. *Nature News and Views*, 421: 904-905.
146. Kamenkovich, V.M., H.W. Burnett, A.L. Gordon, and G.L. Mellor (2003) Part II: The Pacific/Indian Ocean Pressure Difference and its Influence on the Indonesian Seas Circulation. *J. Mar. Res.* 61(5): 613-634.
145. Burnett, H.W., V.M. Kamenkovich, A.L. Gordon, and G.L. Mellor (2003) Part I: The Pacific/Indian Ocean Pressure Difference and its Influence on the Indonesian Seas Circulation. *J. Mar. Res.* 61(5): 577-611.
144. Gordon, A.L., R.D. Susanto, and K. Vranes (2003) Cool Indonesian Throughflow as a consequence of restricted surface layer flow, *Nature*, 425: 824-828.
143. Gordon, A.L., C.F. Giulivi, and A.G. Ilahude (2003) Deep topographic barriers within the Indonesian Seas, In: *Physical Oceanography of the Indian Ocean during the WOCE period*, F. Schott (ed), *Deep-Sea Research II* (50): 2205-2228.
142. Wajsowicz, R.C., A.L. Gordon, A. Ffield, and R.D. Susanto (2003) Estimating transport in Makassar Strait, In: *Physical Oceanography of the Indian Ocean during the WOCE period*, F. Schott (ed), *Deep-Sea Research II* (50): 2163-2181.
141. Hellweger, F.L.,and A.L. Gordon (2002) Tracing Amazon River water into the Caribbean Sea. *J. Mar. Res.*, 60: 537-549.
140. Matano, R. P., A.L. Gordon, R.D. Muench, and E.D. Palma (2002) A Numerical Study of the Circulation in the northwestern Weddell Sea. In: *Deep Ocean Ventilation Through Antarctic Intermediate Layers (DOVETAIL)*, R. Muench, and H. Hellmer (Eds), *Deep-Sea Research Part II: Topical Studies in Oceanography* 49(21): 4827-4841.
139. Robertson, R., M. Visbeck, A.L. Gordon, and E. Fahrbach (2002) Long-term Temperature Trends in the Deep Waters of the Weddell Sea. In: *Deep Ocean Ventilation Through Antarctic*

- Intermediate Layers (DOVETAIL), R. Muench, and H. Hellmer (Eds), *Deep-Sea Res. Part II: Topical Studies in Oceanography* 49(21): 4791-4806.
138. Ou, H.W., and A. Gordon (2002) Subduction along a mid-ocean front and the generation of intra-thermocline eddies: a theoretical study. *J. Phy. Oceanogr.*, 32(6): 1975-1986.
 137. Gordon, A.L. C.F. Giulivi, C.M. Lee, A. Bower, H.H. Furey, and L. Talley (2002) Japan/East Sea Intra-thermocline Eddies. *J. Phys. Oceanogr.*, 32(6): 1960-1974.
 136. Gordon, A.L., C. Giulivi, T. Takahashi, S. Sutherland, J. Morrison, and D. Olson (2002) Bay of Bengal nutrient rich benthic layer, In: *Physical Oceanography of the Indian Ocean during the WOCE period*, F. Schott (ed), *Deep-Sea Research*, 49(7,8):1411-1422.
 135. Vranes, K., A.L. Gordon, and A. Ffield (2002) The heat transport of the Indonesian throughflow and implications for the Indian Ocean Heat Budget, In: *Physical Oceanography of the Indian Ocean during the WOCE period*, F. Schott (ed), *Deep-Sea Research*, 49(7,8):1391-1410.
 134. Meyers, G., Godfrey, S. Gordon, A.L., Hacker, Jury, M. Lau, B., Gopalakrishna, V.V., Sribimawati, T., Yamagata, T. (2001) A Southern Hemisphere Perspective: Monsoon, Seasonal and Interannual Applications of an Indian Ocean Observing System. In: *Observing the Ocean in the 21st Century*, C. J. Koblinsky, and N. R. Smith (Eds.), GODAE Project Office, Bureau of Meteorology, Melbourne, VIC 3001, 48-65.
 133. Rintoul, S. R., J. Church, E. Fahrbach, M. Garcia, A. Gordon, B. King, R. Morrow, A. H. Orsi, and K. Speer (2001) Monitoring and understanding Southern Ocean variability and its impact on climate: A strategy for sustained observations. In: *Observing the Oceans in the 21st Century*. C.J. Koblinsky, and N. R. Smith (eds.), GODAE Project Office, Bureau of Meteorology, Melbourne, Australia. pp. 486-508.
 132. Gordon, A. L., and R. D. Susanto (2001) Banda Sea Surface Layer Divergence. *Ocean Dynamics*, 52: 2-10.
 131. Orsi, A.H., S.S. Jacobs, A.L. Gordon, and M. Visbeck (2001) Cooling and ventilating the Abyssal Ocean. *Geophys. Res. Lett.*, 28(15): 2923-2926.
 130. Gordon, A.L., M. Visbeck, and B. Huber (2001) Export of Weddell Sea Deep and Bottom Water. *J. Geophys. Res.*, 106(C5): 9005-9017.
 129. Gordon, A.L. (2001) Interocean Exchange. Chapter 4.7. In: *Ocean Circulation and Climate*, G. Siedler, J. Church, and J. Gould (Eds.), Academic Press, 303-314.
 128. Susanto, R.D., A.L. Gordon, and Q. Zheng (2001) Upwelling along the coasts of Java and Sumatra and its relation to ENSO. *Geophys. Res. Lett.*, 28(8): 1599-1602.
 127. Waworuntu, J.M., R.A. Fine, D.B. Olson, and A.L. Gordon (2000) Recipe for Banda Sea Water. *J. Mar. Res.*, 58(4): 547-569.
 126. Burnett, W.H., V.M. Kamenkovich, D.A. Jaffe, A.L. Gordon, and G.L. Mellor (2000) Dynamical balance in the Indonesian Seas circulation. *Geophys. Res. Lett.*, 27(17): 2705-2708
 125. Burnett, W.H., V.M. Kamenkovich, G.L. Mellor, and A.L. Gordon (2000) The influence of the pressure head on the Indonesian Seas circulation. *Geophys. Res. Lett.*, 27(15): 2273-2276.
 124. Gordon, A.L., M. Mensch, Z.Q. Dong, W.M. Smethie, Jr., and J. de Bettencourt (2000) Bransfield Strait Deep Basin Water. *J. Geophys. Res.*, 105(C5): 11337-11347.
 123. Beal, L.M., A. Ffield, and A.L. Gordon (2000) The spreading of Red Sea overflow waters in the Indian Ocean. *J. Geophys. Res. Oceans*, 105(C4):8549-8564.
 122. Susanto, R.D., A.L. Gordon, J. Sprintall, and B. Herunadi (2000) Intraseasonal variability and tides in Makassar Strait. *Geophys. Res. Lett.*, 27(10): 1499-1502.
 121. Ffield, A., K. Vranes, A. L. Gordon, R. D. Susanto, and S. L. Garzoli (2000) Temperature Variability within Makassar Strait. *Geophys. Res. Lett.*, 27: 237-240.

120. Sprintall, J., A. Gordon, R. Murtugudde, and R.D. Susanto (2000) A semiannual Indian Ocean forced Kelvin wave observed in the Indonesian Seas in May 1997. *J. Geophys. Res.*, 105(C7): 17217-17230.
119. Gordon, A.L., R.D. Susanto, and A.L. Ffield (1999) Throughflow within Makassar Strait. *Geophys. Res. Lett.*, 26(21): 3325-3328.
118. Gordon, A.L., B. Barnier, K. Speer, and L. Stramma (1999) Introduction to special section: World Ocean Circulation Experiment: South Atlantic Results. *J. Geophys. Res.*, 104(C9): 20,859-20,861.
117. Witter, D.L., and A.L. Gordon (1999) Interannual variability of South Atlantic Circulation from Four Years of TOPEX/POSEIDON Satellite Altimeter Observations. *J. Geophys. Res.*, 20927-20948.
116. Gordon, A.L., and R.D. Susanto (1999) Makassar Strait Transport: Initial Estimate Based on Arlindo Results. *Marine Technology Society*, 32: 34-45.
115. Gordon, A.L., and J.L. McClean (1999) Thermohaline Stratification of the Indonesian Seas - Model and Observations. *J. Phys. Oceanogr.*, 29(2): 198-216.
114. Gordon, A. L. (1998) Coelacanth populations may go with the flow. *Nature*, 395: 634.
113. Comiso, J.C., and A.L. Gordon (1998) Interannual Variability in Summer Sea Ice Minimum, Coastal Polynyas and Bottom Water Formation in the Weddell Sea, In: *Antarctic Sea Ice Physical Processes, Interactions and Variability*, M.O. Jeffries (ed), AGU Antarctic Research Series, vol. 74, pp. 293-315.
112. Hacker, P., E. Firing, J. Hummon, A.L. Gordon, and J.C. Kindle (1998) Bay of Bengal currents during the northeast monsoon. *Geophys. Res. Lett.*, 25(15): 2769-2772.
111. Gordon, A.L. (1998) Western Weddell Sea Thermohaline Stratification, In: *Ocean, Ice and Atmosphere: Interactions at the Antarctic Continental Margin*, S.S. Jacobs, and R. Weiss (Eds), Antarctic Research Series, AGU, Washington, D.C., Vol. 75, pp. 215-240.
110. Gordon, A.L., S. Ma, D.B. Olson, P. Hacker, A. Ffield, L.D. Talley, D. Wilson, and M. Baringer (1997) Advection and Diffusion of Indonesian Throughflow within the Indian Ocean South Equatorial Current. *Geophys. Res. Lett.*, 24(21): 2573-2576.
109. Top, Z., A.L. Gordon, P. Jean-Baptiste, M. Fieux, A.G. Ilahude, and M. Muchtar (1997) ^3He in Indonesian Seas: Inferences on Deep Pathways. *Geophys. Res. Lett.*, 24(5): 547-550. Doi 10.1029/97GL00350
108. Garzoli, S.L., A.L. Gordon, V. Kamenkovich, D. Pillsbury, and C. Duncombe-Rae (1996) Variability and sources of the southeastern Atlantic circulation. *J. Mar. Res.*, 54(6): 1039-1071.
107. Gordon, A.L. (1996) Comment on the South Atlantic's Role in the Global Circulation. In: *The Southern Atlantic: Present and Past Circulation*. Wefer, G., W.H. Berger, G. Siedler, and D.J. Webb (eds), 121-124 Springer-Verlag.
106. Gordon, A.L. (1996) Communication between oceans. *Nature*, 382, 399-400.
105. Ffield, A., and A.L. Gordon (1996) Tidal Mixing Signatures in the Indonesian Seas. *J. Phys. Oceanogr.*, 26(9): 1924-1937.
104. Duncombe Rae, C.M., S.L. Garzoli, and A.L. Gordon (1996) The Eddy Field of the South-East Atlantic Ocean: A Statistical Census from the BEST Project. *J. Geophys. Res.*, 101(C5): 11949-11964.
103. Marchese, P.J., and A.L. Gordon (1996) The Eastern Boundary of the Gulf Stream Recirculation. *J. Mar. Res.*, 54: 521-540.
102. Comiso, J.C., and A.L. Gordon (1996) The Cosmonaut Polynya in the Southern Ocean: Structure and Variability. *J. Geophys. Res. Oceans*, 101(C8): 18297-18313.
101. Kamenkovich, V.M., Y.P. Leonov, D.A. Nechaev, D.A. Byrne, and A.L. Gordon (1996) On the Influence of Bottom Topography on the Agulhas Eddy. *J. Phys. Oceanogr.*, 26(6): 892-912.

100. Ilahude, A.G., and A.L. Gordon (1996) Thermocline Stratification Within the Indonesian Seas, *J. Geophys. Res.*, 101(C5): 12401-12409.
99. Belkin, I.M., and A.L. Gordon (1996) Southern Ocean Fronts from the Greenwich Meridian to Tasmania. *J. Geophys. Res.*, 101(C2): 3675-3696.
98. Garzoli, S.L., and A.L. Gordon (1996) Origins and Variability of the Benguela Current. *J. Geophys. Res.*, 101(C1): 897-906.
97. Smythe-Wright, D., A.L. Gordon, P. Chapman, and M.S. Jones (1996) CFC-113 shows Brazil Current Ring crossing the South Atlantic to the Agulhas Retroflexion Region. *J. Geophys. Res.*, 101(C1): 885-895.
96. Gordon, A.L., and R. Fine (1996) Pathways of water between the Pacific and Indian oceans in the Indonesian seas. *Nature*, 379(6561): 146-149.
95. Clement, A., and A.L. Gordon (1995) Velocity Structure of the Benguela Current. *J. Geophys. Res.*, 100(C11): 22,591-22,601.
94. Gordon, A.L., and B. Huber (1995) Warm Weddell Deep Water west of Maud Rise. *J. Geophys. Res.*, 100(C7): 13747-13753.
93. Muench, R., and A.L. Gordon (1995) Circulation And Transport Of Water Along The Western Weddell Sea Margin. *J. Geophys. Res.*, 100: 18503-18515.
92. Byrne, D., A.L. Gordon, and W. Haxby (1995) Agulhas Eddies: A Synoptic View Using Geosat ERM Data. *J. Phys. Oceanogr.*, 25: 902-917.
91. Gordon, A.L. (1995) When is "Appearance" Reality? Indonesian Throughflow is in fact primarily derived from North Pacific Water Masses. *J. Phys. Oceanogr.*, 25(6): 1560-1567.
90. Gordon, A.L., K.T. Bosley, and F. Aikman III (1995) Tropical Atlantic Water within the Benguela Upwelling System at 27°S. *Deep-Sea Res.*, 42(1): 1-12.
89. Gordon, A.L., A. Ffield, and A.G. Ilahude (1994) Thermocline of the Flores and Banda Seas. *J. Geophys. Res.*, 99(C9):18235-18242.
88. Gordon, A.L., B. Huber, H. Hellmer, and A. Ffield (1993) Deep and Bottom Water of the Weddell Sea's Western Rim. *Science*, 262 (5130): 95-97.
87. Gordon, A.L., and ISW PIs, and Chief Scientists (1993) Ice Station Weddell 1 Explores the Western Edge of the Weddell Sea. *EOS*, 74(11): 121, 124-126.
86. De Veaux, R. D., A.L. Gordon, J. C. Comiso, and N. Chase (1993) Modeling of Antarctic Sea Ice Using Multivariate Adaptive Regression Splines. *J. Geophys. Res.*, 98 (C11): 20307-20319.
85. Gordon, A.L., S.E. Zebiak, and K. Bryan (1992) Climate variability and the Atlantic Ocean. *EOS*, 73(15): 161, 164-165.
84. Gordon, A.L., R.F. Weiss, W. M. Smethie, Jr., and M. J. Warner (1992) Thermocline and intermediate water communication between the South Atlantic and Indian Oceans. *J. Geophys. Res.*, 97(C5): 7223-7240.
83. Ffield, A., and A.L. Gordon (1992) Vertical mixing in the Indonesian Thermocline. *J. Phys. Oceanogr.*, 22(2): 184-195.
82. Olson, D. B., R. A. Fine, and A.L. Gordon (1992) Convective Modifications of Water Masses in the Agulhas. *Deep-Sea Res.*, 39(1A): S163-S181.
81. Gordon, A.L. (1991) The Southern Ocean - its involvement in global change. In: *Proceedings of the Conference: Role of the Polar Regions in Global Change, June 1990, University of Alaska, Fairbanks, Alaska*. G. Weller et al, (Eds), Vol. 1, pp. 249-255.
80. Gordon, A.L. (1991) Two stable modes of Southern Ocean winter stratification. In: *Deep Convection and Water Mass Formation in the Ocean*, Gascard, J., and P. Chu (Eds), Elsevier Publisher, pp. 17-35.
79. Gordon, A.L., and K. Bosley (1991) Cyclonic gyre in the tropical South Atlantic. *Deep-Sea Res.*, 38(1): S323-S343.

78. Oppo, D. W., R. G. Fairbanks, A. L. Gordon, and N. J. Shackleton (1990) Late Pleistocene Southern Ocean $d^{13}C$ Variability. *Paleoceanogr.*, 5(1): 43-54.
77. Gordon, A.L., and B. Huber (1990) Southern Ocean winter mixed layer. *J. Geophys. Res.*, 95(C7): 11655-11672.
76. Gordon, A.L., and W. F. Haxby (1990) Agulhas Eddies Invade the South Atlantic-Evidence from Geosat Altimeter and Shipboard CTD. *J. Geophys. Res.*, 95(C3): 3117-3125.
75. Bagriantsev, N., A.L. Gordon, and B. Huber (1989) Weddell Gyre: Temperature Maximum Stratum. *J. Geophys. Res.*, 94(C6): 8331-8334.
74. Gordon, A.L. (1989) Brazil-Malvinas Confluence –1984. *Deep-Sea Res.*, 36(3): 359-384.
73. Piola, A. R., and A.L. Gordon (1989) Intermediate waters in the Western South Atlantic. *Deep-Sea Res.*, 36(1A): 1-16.
72. Gordon, A.L. (1988) South Atlantic Research. *Oceanography*, 1(2): 12-17.
71. Gordon, A.L., and J. C. Comiso (1988) Polynyas in the Southern Ocean. *Scientific American*, 258(6): 90-97. doi:10.1038/scientificamerican0688-90
70. Gordon, A.L. (1988) Spatial and Temporal Variability Within the Southern Ocean, In: *Antarctic Ocean and Resources Variability*, D. Sahrhage (ed), Springer Publishers, pp. 41--56.
69. Comiso, J., and A.L. Gordon (1987) Recurring Polynyas Over The Cosmonaut Sea and Maud Rise. *J. Geophys. Res.*, 92(C3): 2819-2833.
68. Gordon, A.L., J.R.E. Lutjeharms, and M.L. Gründlingh (1987) Stratification and Circulation at the Agulhas Retroflexion. *Deep-Sea Res.*, 34(4): 565-599.
67. Lutjeharms, J.R.E., and A.L. Gordon (1987) Shedding of an Agulhas Ring Observed at Sea. *Nature*, 325: 138-140.
66. Piola, A., and A.L. Gordon (1986) On Oceanic Heat and Freshwater Fluxes at 30°S. *J. Phys. Ocean.*, 16(12): 2184-2190.
65. Ou, H., and A.L. Gordon (1986) Spin-Down of Baroclinic Eddies Under Sea Ice. *J. Geophys. Res.*, 91(C6): 7623-7630.
64. Gordon, A.L. (1986) Is There A Global Scale Ocean Circulation? *EOS*, 67(9): 109-110 The Oceanography Report.
63. Gordon, A.L. (1986) Inter-Ocean Exchange of Thermocline Water. *J. Geophys. Res.*, 91(C4): 5037-5046.
62. Gordon, A.L. and C. Greengrove (1986) Abyssal Eddy in the Southwest Atlantic. *Deep-Sea Res.*, 33(6): 839-847.
61. Gordon, A.L. and C. Greengrove (1986) Geostrophic Circulation of the Brazil-Falkland Confluence. *Deep-Sea Res.*, 33(5): 573-586.
60. Zwally, H. J., J. C. Comiso, and A.L. Gordon (1985) Antarctic Offshore Leads and Polynyas and Oceanographic Effects, In: *Oceanography of Antarctic Continental Margin*, S.S. Jacobs (ed), Antarctic Research Series of the AGU, Vol. 43: 203-226.
59. Gordon, A.L. (1985) Indian-Atlantic Transfer of Thermocline Water at Agulhas Retroflexion. *Science*, 227(4690): 1030-1033. doi[10.1126/science.227.4690.1030](https://doi.org/10.1126/science.227.4690.1030).
58. Comiso, J.C., S.F. Ackley, and A.L. Gordon (1984) Antarctic Sea Ice Microwave Signature and the Correlation with in situ Ice Observations. *J. Geophys. Res.*, 89(C1): 662-672.
57. Gordon, A.L., C. T. A. Chen, and W. G. Metcalf (1984) Winter Mixed Layer Entrainment of Weddell Deep Water. *J. Geophys. Res.*, 89(C1): 637-640.
56. Gordon, A.L. and B. A. Huber (1984) Thermohaline Stratification Below the Southern Ocean Sea Ice. *J. Geophys. Res.*, 89(C1): 641-648.
55. Piola, A. R. and A.L. Gordon (1984) Pacific and Indian Ocean Upper Layer Salinity Budget. *J. Phys. Ocean.*, 14(4): 747-753.

54. Gordon, A.L. and A. R. Piola (1983) Atlantic Ocean Upper Layer Salinity Budget. *J. Phys. Ocean.*, 13(7): 1293-1300.
53. Gordon, A.L. (1983) A Clever Answer to a Simple Question. *News and Views. Nature*, 305(29): 385-386.
52. Gordon, A.L. (1983) Polar Oceanography. *Rev. Geophys. Space Physics*, 12(5): 1124-1131.
51. Gordon, A.L., K. Horai, and M. Donn (1983) Southern Hemisphere Western Boundary Current Variability Revealed by GEOS-3 Altimeter. *J. Geophys. Res.*, 88(C1): 755-762.
50. Rodman, M. R., and A.L. Gordon (1982) Southern Ocean Bottom Water of the Australian-New Zealand Sector. *J. Geophys. Res.*, 87(C8): 5771-5778.
49. Gordon, A.L. (1982) Weddell Deep Water Variability. *J. Mar. Res.*, 40: 199-217.
48. Legeckis, R., and A.L. Gordon (1982) Satellite observations of the Brazil and Falkland Currents - 1975 to 1976 and 1978. *Deep-Sea Res.*, 29(3A): 375-401.
47. Gordon, A.L., and T. N. Baker (1982) Southern Ocean Atlas: objective contouring and grid point data set. Columbia University Press, N.Y., 14 pp., 15 plates.
46. Gordon, A.L., and E. M. Molinelli (1982) Southern Ocean Atlas: thermohaline-chemical distributions and the Atlas data set. Columbia University Press, N. Y., 11 pp., 233 plates.
45. Gordon, A.L., and Frank Aikman III (1981) Salinity maximum in the pycnocline of the Middle Atlantic Bight. *Limnol. Oceanogr.*, 26(1): 123-130.
44. Martinson, D. G., P. D Killworth, and A.L. Gordon (1981) A convective model for the Weddell Polynya. *J. Phys. Oceanogr.*, 11(4): 466-488.
43. Gordon, A.L. (1981) South Atlantic thermocline ventilation. *Deep-Sea Res.*, 28A(11): 1239-1264.
42. Gordon, A.L., D. G. Martinson, and H. W. Taylor (1981) The wind-driven circulation in the Weddell-Enderby Basin. *Deep-Sea Res.*, 28(2A): 151-163.
41. Gordon, A.L. (1981) Seasonality of Southern Ocean Sea Ice. *J. Geophys. Res.*, 85(C5): 4193-4197.
40. Gordon, A.L., and T. N. Baker (1980) Ocean transients as observed by GOES-E coincident orbits. *J. Geophys. Res.*, 85(C1): 502-506.
39. Edmond, J.M., S. S. Jacobs, A.L. Gordon, A. W. Mantyla, and R. F. Weiss (1979) Water column anomalies in dissolved silica over opaline pelagic sediments and the origin of the deep silica maximum. *J. Geophys. Res.*, 84(C12): 7809-7826.
38. Jacobs, S. S., A.L. Gordon, and A. F. Amos (1979) Effects of glacial ice melting on the Antarctic Surface Water. *Nature*, 277: 469-471.
37. Jacobs, S. S., A.L. Gordon, and J. L. Ardai, Jr. (1979) Circulation and melting beneath the Ross Ice Shelf. *Science*, 203(4379): 439-443.
36. Taylor, H. W., A.L. Gordon, and E. Molinelli (1978) Climatic characteristics of the Antarctic Polar Front Zone. *J. Geophys. Res.*, 83(C9): 4572-4578.
35. Gordon, A.L., E. Molinelli, and T. Baker (1978) Large scale relative dynamic topography of the Southern Ocean. *J. Geophys. Res.*, 83(C6): 3023-3032.
34. Gordon, A.L. (1978) Deep Antarctic convection west of Maud Rise. *J. Phys. Oceanogr.*, 8(4): 600-612.
33. Gordon, A.L., and W. D. Nowlin (1978) The Basin Waters of the Bransfield Strait. *J. Phys. Oceanogr.*, 8(2): 258-264.
32. Gordon, A.L., H. W. Taylor, and D. T. Georgi (1977) Antarctic Oceanographic Zonation. *Proceedings of SCOR/SCAR Polar Oceans Conference, Montreal, Canada, May 5-11, 1974*, ed M.J. Dunbar, Arctic Institute of North America, pp 45-76.
31. Gordon, A.L., D. T. Georgi, and H. W. Taylor (1977) Antarctic Polar Front Zone in the western Scotia Sea - Summer 1975. *J. Phys. Oceanogr.*, 7(3): 309-328.

30. Gordon, A.L., and M. R. Rodman (1977) Southern Ocean temperature gradient near 2C, in: "A Voyage of Discovery". supplement to Deep Sea Research: 85-102.
29. Gordon, A.L., A. F. Amos, and R. D. Gerard (1976) New York Bight water stratification - October 1974. ASLO Symposia on Middle Atlantic Bight, November 3-5, 1975, New York City. Limnology and Oceanography, Special Symposia Vol. 2, "Middle Atlantic Continental Shelf and the New York Bight", M. Grant Gross (ed), 45-57.
28. Gordon, A.L., and H. W. Taylor (1975) Heat and salt balance within the cold waters of the world ocean; supplement to General Ocean Circulation, "Numerical Models of Ocean Circulation: Symposium, Durham, New Hampshire, Oct. 17-20, 1972. National Academy of Sciences.Publ.: 54-56.
27. Gordon, A.L., and H. W. Taylor (1975) Seasonal change of Antarctic Sea ice cover. Science, 187 (31 Jan. 75): 346-347.
26. Gordon, A.L. (1975) An Antarctic Oceanographic Section along 170E. Deep-Sea Res., 22(6): 357-377.
25. Gordon, A.L. (1974) Varieties and variability of Antarctic bottom water, in: Processus de Formation des Eaux Oceaniques Profondes (en particulier en Mediterranee Occidentale). Editions du Centre National de la Recherche Scientifique, Paris, France, No. 215: 33-47.
24. Eittrheim, S., P.E. Biscaye, and A.L. Gordon (1973) Comments on Paper by T. Ichiye, N.J. Bassin, and J.E. Harris, "Diffusivity of Suspended Matter in Caribbean Sea". J. Geophys. Res. 78(27): 6401-6403.
23. Gordon A.L., and J.A.T. Bye (1972) Surface dynamic topography of Antarctic waters. J. Geophys. Res., 77(30): 5993-5999.
22. Gordon, A.L., and P. Tchernia (1972) Waters off Adelie Coast. Antarctic Research Series, AGU, Washington, D. C., Vol. 19: 59-69.
21. Gordon, A.L. (1972) Circumpolar current and Macquarie Ridge. Antarctic Research Series, AGU, Washington, D. C., Vol. 19: 71-78.
20. Gordon, A.L., ed. (1972) Studies in Physical Oceanography - A Tribute to George Wust on His 80th Birthday, Vols. I and II. Gordon and Breach, Science Publ., N.Y. ISBN 10: 0677151608 ISBN 13: 9780677151601
19. Eittrheim, S., A.L. Gordon, M. Ewing, E. Thorndike, and P. Bruchhausen (1972) The nepheloid layer and observed bottom currents in the Indian-Pacific Antarctic Sea. In: Studies in Physical Oceanography - A Tribute to George Wust on His 80th Birthday. A.L. Gordon (ed), Vol. II, Gordon and Breach, Science Publ., N.Y.: 19-35.
18. Gordon, A.L. (1972) Spreading of Antarctic bottom waters, II, In: Studies in Physical Oceanography - A Tribute to George Wust on His 80th Birthday. A.L. Gordon (ed), Gordon and Breach, Science Publ., N.Y.: 1-17.
17. Assaf, G., R. Gerard, and A.L. Gordon (1971) Some mechanisms of oceanic mixing revealed in aerial photographs. J. Geophys. Res., 76(27): 6550-6572.
16. Gordon, A.L. (1971) Comment on the Weddell Sea produced Antarctic bottom water. J. Geophys. Res., 76(24): 5913-5914.
15. Amos, A. F., A.L. Gordon, and E. D. Schneider (1971) Water masses and circulation patterns in the region of the Blake-Bahama Outer Ridge. Deep-Sea Res., 17(6): 145-165.
14. Gordon, A.L. (1971) Antarctic Polar Front Zone, In: Antarctic Oceanology I, Vol. 15, AGU Antarctic Research Series, J. L. Reid (ed), 205-221.
13. Gordon, A.L. (1971) Oceanography of Antarctic Waters, In: Antarctic Oceanology I, Vol. 15, AGU Antarctic Research Series, J. L. Reid (ed), 169-203.
12. Gordon, A.L., and R. D. Goldberg (1970) Circumpolar Characteristics of Antarctic Waters. Antarctic Map Folio Series No. 13, ed. V. Bushnell, Amer. Geograph. Soc.

11. Jacobs, S. S., A.L. Gordon, and F.L. Rosselot (1970) Studies in Antarctic physical oceanography. U.S. Antarctic Journal, 5(5): 188-189.
10. Gordon, A.L., and R. D. Gerard (1970) North Pacific Bottom Potential Temperature, In: Geological Investigation of the North Pacific, GSA Memoir 126, J. D. Hays (ed), 23-39.
9. Gordon, A.L. (1970) Vertical momentum flux accomplished by Langmuir circulation. J. Geophys. Res., 75(21): 4177-4179.
8. Gordon, A.L. (1970) Comments on the factors influencing the spread of pollutants in shelf waters. Symposium on Water Pollution in the Greater New York Area, N.Y.C. Dec. 13, 1969, published by Gordon and Breach.
7. Gordon, A.L. (1968) Antarctic Oceanography, In: Oceanology International Yearbook, June 15, 1968: 30.
6. Gordon, A.L. (1968) Spreading and mixing within the main core layers and bottom circulation in the Southern Oceans. Section 2 (Deep Waters), In: Symposium on Antarctic Oceanography, Santiago, Chile, Sept. 13-16, 1966, published by Scott Polar Research Institute, 1968: 69-72.
5. Gordon, A.L. (1967) Circulation of the Caribbean Sea. J. Geophys. Res., 72(24): 6207-6223.
4. Gordon, A.L. (1967) Structure of Antarctic Waters between 20W and 170W. Antarctic Map Folio Series No. 6, V. Bushnell (ed), Amer. Geograph. Soc.
3. Gordon, A.L. (1967) Geostrophic transport through the Drake Passage. Science, 156(3783): 1732-1734. doi [10.1126/science.156.3783.1732](https://doi.org/10.1126/science.156.3783.1732)
2. Gordon, A.L. (1966) Potential temperature, oxygen and circulation of bottom water in the Southern Ocean. Deep Sea Res., 13: 1125-1138.
1. Gordon, A. L., P. J. Grimm, and M. Langseth (1966) Layer of abnormally cold bottom water over Southern Aves Ridge. Science, 151 (3717): 1525-1526. doi [10.1126/science.151.3717.1525](https://doi.org/10.1126/science.151.3717.1525)

Significant Other Publications:

65. Gordon, A.L., Shroyer, E.L., Fernando, H.J.S., Tandon, A., Mathur, M., Priyantha Jinadasa, S.U., (2020) Introduction to "Atmosphere-Ocean Dynamics of Bay of Bengal" **Volume 2**, Deep-Sea Research Part II, <https://doi.org/10.1016/j.dsr2.2019.104670>.
64. Gordon, A.L., Shroyer, E.L., Fernando, H.J.S., Tandon, A., Mathur, M., Priyantha Jinadasa, S.U., (2019) Introduction to "Atmosphere-Ocean Dynamics of Bay of Bengal" **Volume 1**, Deep-Sea Research Part II, <https://doi.org/10.1016/j.dsr2.2019.104670>.
63. Gordon, A. (2019). Klaus Wyrтки and the Modern Era of the Maritime Continent Oceanography. Marine Research in Indonesia, 44(2), 43-62. <https://doi.org/10.14203/mri.v44i2.552>
62. Gordon, A. L. (2019) Bottom Water Formation. In Cochran, J. Kirk; Bokuniewicz, J. Henry; Yager, L. Patricia (Eds.) Encyclopedia of Ocean Sciences, 3rd Edition. vol. 6, pp. 120-126, Elsevier. ISBN: 978-0-12-813081-0
61. Gordon, A.L. (2016) "The early days of CLIVAR" CLIVAR Exchanges, 70:4-5.
60. Gordon, A.L. (2013) "Bottom Water Formation, Reference Module in Earth Systems and Environmental Sciences" Elsevier doi: 10.1016/B978-0-12-409548-9.04019-7.
59. deRuijter, W., Reason, C., Ansorge, I., Roman, R., Gordon, A.L. (2011) "Johann R. E. Lutjeharms (1944-2011)" Eos 92(38) 316.
58. Gordon, A.L., Villanoy (2011) "The Oceanography of the Philippine Archipelago, Introduction to the Special Issue" Oceanography 24(1) 13.

57. Cassano, J.J.; Maslanik, J.A.; Zappa, C.J.; Gordon, A.L.; Cullather, R.I.; Knuth, S.L. (2010) "Observations of Antarctic polynya with unmanned aircraft systems" EOS, vol 91(28) 245-246.
56. Gordon, A.L., Kamenkovich, V.M., "Modeling and Observing the Indonesian Throughflow" A special issue of Dynamics of Atmosphere and Ocean, Dynamics of Atmospheres and Oceans (2010), doi:10.1016/j.dynatmoce.2010.04.003
55. Gordon, A.L.; Susanto, D.; Huber, B.A.; Sulisty, B.; Supangat, A.; (2010) "Seven Years of measuring the Makassar Strait throughflow, the primary component of the Indonesian Throughflow" in proceedings of the "OceanObs '09: Sustained Ocean Observations and Information for Society" Conference, vol. (1): Venice, Italy, 21 – 25 September 2009, Hall, J.; Harrison, D.E.; Stammer, D.; Eds., ESA Publication WPP-306, 2010.
54. Gordon, A. L. (2008) Review of "The Oceanic Thermohaline Circulation: An Introduction" by Hendrik M. van Aken, Bulletin of American Meteorological Society, 89(10):1583-1585.
53. Gordon, A.L. (2007) Oceanography fathomed, BOOK REVIEW of "To Follow the Water: Exploring the Ocean to Discover Climate" by Dallas Murphy, Nature Vol. 449, 407-408; doi: 10.1038/449407a
52. Gordon, A. L. (2007) Review of "The Agulhas Current" by J.R.E. Lutjeharms, Oceanography Volume 20 No. 1: 54-56
51. Gordon, A.L., Soesilo, I.; Brodjonegoro, I.; Ffield, A.; Jaya, I.; Molcard, R.; Sprintall, J.; Susanto, R.D.; van Aken, H.; Wijffels, S.; Wirasantosa, S.; (2006) The first 1.5 years of INSTANT data reveal the complexities of the Indonesian Throughflow. Clivar Exchanges, Volume 11, No. 4, October 2006, 10, 11
50. Gordon, A.L., (2006) Review of Polar Remote Sensing: Vol. 1: Atmosphere and Ocean by Dan Lubin and Robert Massom. Journal of Glaciology Vol. 52, No. 178, July 2006, 471-472.
49. Gordon, A.L.; Visbeck, M.; Comiso, J.C. (2005) Did a Prolonged Negative SAM produce the Weddell Polynya of the 1970s? CLIVAR Exchanges, Volume 10, No. 4, October 2005: 17-20.
48. Sprintall, J., Wiffels, S., Gordon, A.L., Ffield, A., Molcard, R., Susanto, R.D., Soesilo, I., Sopaheluwakan, J., Surachman, Y., van Aken, H.M., (2004) INSTANT: A New International Array to Measure the Indonesian Throughflow. Eos, Vol. 85, No. 39, 28 September 2004: 369, 376.
47. Gordon, A.L. (2004) Interhemispheric Water Exchange in the Atlantic Ocean. Goñi, G.J., Malanotte-Rizzoli, P. (Eds.), *Oceanography*, Vol 17, No. 3, Sept. 2004: 84-86.
46. Gordon, A.L. (2001) Current Systems in the Southern Ocean. Steele, J.H., K.K. Turekian, and S.A. Thorpe (eds.), *Encyclopedia of Ocean Sciences*, Academic Press, Vol. 1, 613-621.
45. Gordon, A.L. (2001) Bottom Water Formation. Steele, J.H., K.K. Turekian, and S.A. Thorpe (Eds.), *Encyclopedia of Ocean Sciences*, Academic Press, Vol. 1, 334-340.
44. Gordon, A.L. (1999) The Big Bathtub. Chapter Eight of the Lamont-Doherty Earth Observatory of Columbia University 50th Anniversary Yearbook.
43. Gordon, A.L. (1999) The Southern Ocean. *Currents. J. Marine Education*, 15(3): 4-6.
42. Gordon, A.L., R. D. Susanto, A. Ffield, and D. Pillsbury (1998) Makassar Strait Transport: Preliminary Arlindo results from MAK-1 and MAK-2. *International WOCE Newsletter*, 33: 30-32.
41. Gordon, A.L. (1998) Are we ready for a full Southern Ocean extended climate study? 1998 U.S. WOCE Report, 48-49.
40. Gordon, A.L. (1997) Which is it: Warm or Cold Route, or Maybe Both? *International WOCE Newsletter*, 28: 37-38.

39. Gordon, A.L. (1997) Arlindo Circulation Project Monitors Throughflow, WOCE Notes (May 1997) Vol. 9(1): 1-6.
38. Ilahude, A.G., and A.L. Gordon (1996) Water mass of the Indonesian seas throughflow. Proceedings IOC-WESTPAC 3rd International Scientific Symposium, Bali, Indonesia, 22-26 Nov., 1994, 572-587.
37. Gordon, A.L. (1991) The role of thermohaline circulation in global climate change, In: Lamont-Doherty Geological Observatory of Columbia University, Palisades, New York, pp. 44-51.
36. Gordon, A.L. (1991) Currents and Climate, In: World Book 1992 Yearbook, pp. 190-203.
35. Gordon, A.L. (1991) Circulation of the Ocean Waters, In: Oceans, Encyclopedia Britannica 1991 Edition, 25: 148-157.
34. Gordon, A.L. (1991) The Oceans, World Book Encyclopedia 1990 Edition 14: 656-673.
33. Gordon, A.L. (1989) Physical Oceanographic Setting of the SIEDLECKI January 1987, South Shetland Island Data Set. In: Scientific Committee for the Conservation of Antarctic Marine Living Resources, Selected Scientific Papers, Part II, 1988, CCAMLR, Hobart, Tasmania, pp. 161-184.
32. Gordon, A.L. (1988) Southern Ocean and global climate. *Oceanus*, 31(2): 39-46.
31. Gordon, A.L. (1987) Physical Oceanography. The Encyclopedia of Physical Science and Technology, Academic Press, Inc., 10: 534-551.
30. Gordon, A.L., and W. B. Owens (1987) "Polar Oceans" U. S. National Report to the I.U.G.G., 1983 - 1986, Rev. Geop., 25 (2): 227-233, March, 1987.
29. Gordon, A.L. (1986) U.S. Component in U.S.S.R.-U.S. Expedition WEPOLEX-81 (Review). Inform. Bull. of Soviet Antarctic Expedition (In Russian), N 108, pp. 27-37.
28. Gordon, A.L. (1986) Southern Ocean Oceanography since the IGY. *Antarctic Journal*, 21(2): 12-13.
27. Gordon, A.L. (1983) World Ocean Water Masses and Saltiness of the Atlantic, Large-Scale Oceanographic Experiments in the WCRP, WCRP Publication Series No. 1, Vol. II, 97-107.
26. Gordon, A.L. (1983) Comments About the Ocean Role in the Antarctic Glacial Ice Balance. Proc. Carbon Dioxide Research Conference: Carbon Dioxide, Science and Consensus, Sept. 19-23, 1982, Berkeley Springs, West Virginia, p. IV. 76-IV. 86.
25. Gordon, A.L., and E. I. Sarukhanyan (1982) American and Soviet Expedition into the Southern Ocean Sea Ice in October and November 1981. In: The Oceanography Report., EOS, 63(1): p. 2.
24. Gordon, A.L., and S. Jacobs (1981) Voyages of discovery and research in the Southern and Antarctic regions during the years 1964-1981. In: Vol. 7 of LDGO Yearbook, Columbia U., Palisades, N.Y. 10964, pp.25-29.
23. Gordon, A.L. (1980) Comments on Southern Ocean near-surface circulation and its variability. *Annals of Glaciology*, Conference on the Use of Icebergs. Cambridge 103, April, 1980: 57-60.
22. Gordon, A.L. (1975) General Ocean Circulation, "Numerical Models of Ocean Circulation" Symposium, Durham, New Hampshire, Oct. 17-20, 1972. National Academy of Sciences Publ.: 39-53.
21. Gordon, A.L., and E. Molinelli (1975) USNS ELTANIN Southern Ocean Atlas, Cruises 4-55, June 1962-November 1972. Distr. Lamont-Doherty Geological Observatory of Columbia University, N.Y. Ninety plates.
20. Gordon, A.L. (1973) Physical Oceanography. *Antarctic Journal*, 8(3): 61-68.
19. Gordon, A.L. (1972) Antarctic Physical Oceanographic Studies, 1971/1972. *Antarctic Journal*, 7(5): 206-207.
18. Gordon, A.L. (1972) Introduction, Physical Oceanography. Antarctic Research Series, AGU, Washington, D.C., Vol. 19: 3-9.

17. Gordon, A.L. (1971) Recent physical oceanographic studies of Antarctic waters. AAAS Antarctic Symposium Volume, Antarctic Research, L. Quam (ed), 609-630.
16. Gordon, A.L. (1971) Antarctic Circulation, Part 3 of IUGG Report 1967-1971. AGU Transactions, 52(6): 230-232.
15. Gordon, A.L. (1971) Drake Passage. Encyclopedia Britannica.
14. Gordon, A.L. (1971) Polar Regions. Colliers Encyclopedia.
13. Gordon, A.L. (1971) ELTANIN Cruise 44. Antarctic Journal, 6(1): 17-18.
12. Gordon, A.L. (1971) Antarctic Ocean, In: Encyclopedia of Science and Technology, McGraw-Hill Publ. Co., N.Y.
11. Cole, H., G. Bryan, and A.L. Gordon (1971) The deep scattering layer: Patterns across the Gulf Stream and the Sargasso Sea, In: International Symposium on Biological Sound Scattering, Warrenton, Va. U. S. Government Printing Office: 281-293.
10. Gordon, A.L. (1971) Antarctic Oceanography Dictionary of Geosciences. G. Dietrich (ed), Pergamon Press.
9. Gordon, A.L., and F. Baker, Eds. (1970) Annals of the International Geophysical Year, Oceanography, Vol. 46, Pergamon Press.
8. Gordon, A.L. (1969) Physical Oceanography on ELTANIN cruises 32-37. U.S. Antarctic Journal, 4(5): 183-184.
7. Gordon, A.L. (1968) Comment on the peripheral Antarctic water discharge. J. Mar. Res., 26(1): 78-79.
6. Gordon, A.L. (1967) Physical oceanography aboard the ELTANIN. U.S. Antarctic Journal, 2(5): 185-186.
5. Heezen, B. C., and A.L. Gordon (1966) Systematic oceanographic survey of the Southern Oceans. U.S. Antarctic Journal, 1(5): 222.
4. Gordon, A.L. (1966) Water Masses and Core Method:, In: The Encyclopedia of Oceanography, Vol. 1: 970-975, R. Fairbridge (ed), Reinhold Publ. Co., N.Y.
3. Gordon, A.L. (1966) Sargasso Sea:, In: The Encyclopedia of Oceanography, Vol. 1: 765-766, R. Fairbridge (ed), Reinhold Publ. Co., N.Y.
2. Gordon, A.L. (1966) Caribbean Sea Oceanography, In: The Encyclopedia of Oceanography, Vol. 1: 175-181, R. Fairbridge (ed), Reinhold Publ. Co., N.Y.
1. Fairbridge, R., A.L. Gordon, and E. Olausen (1966) Atlantic Ocean, In: The Encyclopedia of Oceanography, Vol. 1: 56-84, R. Fairbridge (ed), Reinhold Publ. Co., N.Y.