

WILTON AGUIAR FILHO

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NOAA/AOML/PHOD

4301 Rickenbacker Causeway, Miami, FL 33149, USA

EDUCATION

Ph.D.: Oceanography, 2021

Federal University of the Rio Grande, Brazil

Committee: Ph.D. Mauricio Mata

Ph.D. Ilana Wainer

Ph.D. Alvaro Montenegro

Ph.D. Juliana Marson

Master in Science: Oceanography, 2017

Federal University of the Rio Grande, Brazil

B.S.: Oceanography, 2017

Federal University of Bahia, Brazil

PROFESSIONAL EXPERIENCE

Postdoctoral Researcher: CIMAS/NOAA/Atlantic oceanographic and Meteorological Laboratory, August 2021-present.

Visiting Research Scholar: Ohio State University, August 2018- May - 2019.

Undergraduate research assistant: University of Victoria, Canada, March 2014-Aug 2014

AWARDS AND HONORS

CAPES Foundation Ph.D. Scholarship: From the Ministry of Science and Technology of Brazil, 2017-2021

Fulbright Doctoral Dissertation Research Award -DDRA: US Fulbright Program, 2018-2019

CAPES Foundation Masters Scholarship: From the Ministry of Science and Technology of Brazil, 2015-2017

Science without borders award: From the Ministry of Science and Technology of Brazil, 2014-2015

TEACHING

Federal University of the Rio Grande, Brazil
2018, Graduate Teaching Assistant
Course: Oceans and Climate (undergraduate)

Federal University of the Rio Grande, Brazil
2016, Graduate Teaching Assistant
Course: Ocean Dynamics (undergraduate)

PEER REVIEW PUBLICATIONS

Aguiar, W., Meissner, K. J., Montenegro, A., Prado, L. F., Wainer, I., Carlson, A. E., Mata, M. M.: Magnitude of the 8.2 ka event freshwater forcing based on stable isotope modelling and comparison to future Greenland melting, *Nature Scientific Reports*. 2021.

Aguiar, W., Prado, L. F., Wainer, I., Liu, Z., Montenegro, A., Meissner, K. J., Mata, M. M.: Freshwater forcing control on early-Holocene South American Monsoon, *Quaternary Science Reviews*. 2020. DOI: 10.1016/j.quascirev.2020.106498

Aguiar, W., Mata, M. M., and Kerr, R.: On the deep convection events and Antarctic Bottom Water formation in ocean reanalysis products, *Ocean Science*. <https://doi.org/10.5194/os-2017-9>, 2017.

Pereira, T. D. S., Moreira, Í. T., de Oliveira, O. M., Rios, M. C., **Filho, W. A. C. S.**, de Almeida, M., & de Carvalho, G. C. Distribution and ecotoxicology of bioavailable metals and As in surface sediments of Paraguaçu estuary, Todos os Santos Bay, Brazil. *Marine pollution bulletin*, 99(1), 166-177. 2015.

Silva, S., Genz, F., **Aguiar, W.**, Silva, N., Kiperstok, A.: Avaliação da ocorrência de secas na Bahia utilizando o Índice de Precipitação Padronizada (SPI). 'In English: Evaluation of Drought events occurrence in Bahia (Brazil), using the Standard Precipitation Index (SPI). *Bahia Análise & Dados*, 2013.

Oliveira, J.C., **Aguiar W.**, Cirano, M., Genz, F. Amorim, F.N.: A climatology of the annual cycle of river discharges into the Brazilian continental shelves: from seasonal to interannual variability. *Environmental Earth Sciences*, 2018.

SKILLS

Languages: English (Fluent, TOEFL iBT® 109), Portuguese (Fluent)

Programming: MATLAB®, R, Python,, Unix/Linux, High performance computing

Earth System Modelling: UVic model, Oxygen Isotope modelling, CESM2, MOM6

Equipment operation: Operation of XBT and CTD in ship cruises

PROFESSIONAL ACTIVITES

2021-Present: Reviewer for Frontiers in Marine Sciences

2021-Present: Reviewer for Annals of the Brazilian Academy of Sciences