

Yao Yu

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Education

University of California, San Diego

PhD student in Earth Sciences

Advisors: David Sandwell & Sarah Gille

Master of Science in Earth Sciences

La Jolla, USA

August, 2018 – now

August, 2018 - January, 2020

Wuhan University

Master in Geodesy and Geomatics Engineering

Bachelor in Geodesy and Survey Engineering

Advisor: Zhicai Luo

Wuhan, China

September, 2015 - June, 2018

September, 2011 - June, 2015

Academia Sinica

Visiting Student

Advisor: Benjamin F. Chao

Taipei, Taiwan

November, 2016-March, 2017; October, 2017-February, 2018

Publications

Yu, Y., Gille, T., Sandwell, D. (2022). Global Mesoscale Ocean Variability from Multiyear Altimetry: An Analysis of the Influencing Factors, Artificial Intelligence for the Earth Systems, <https://doi.org/10.1175/AIES-D-21-0008.1> [pdf].

Sandwell, D. T., Goff, J. A., Gevorgian, J., Harper, H., Kim, S. S., Yu, Y., Tozer, B., Wessel, P., & Smith, W. H. (2022). Improved Bathymetric Prediction Using Geological Information: SYN BATH. *Earth and Space Science*, <https://doi.org/10.1029/2021EA002069> [pdf].

Yu, Y., Sandwell, D., Gille, T., Villas Bôas, A.B. (2021). Assessment of ICESat-2 for the recovery of ocean topography, *Geophysical Journal International*, <https://doi.org/10.1093/gji/ggab084> [pdf]

Chao, B. F., & Yu, Y. (2020). Variation of the Equatorial Moments of Inertia Associated with a 6-year Westward Rotary Motion in the Earth, *Earth and Planetary Science Letters*, <https://doi.org/10.1016/j.epsl.2020.116316> [pdf]

Chao, B. F., Yu, Y., & Chung, C.H. (2020). Variation of Earth's Oblateness J2 on Interannual-to-Decadal Timescales: Climate Connections, *Journal of Geophysical Research*, <https://doi.org/10.1029/2020JB019421> [pdf]

Tanaka, Y., Yu, Y., & Chao, B. F. (2019). Gravity and geoid changes by the 2004 and 2012 Sumatra earthquakes from satellite gravimetry and ocean altimetry. *Terr. Atmos. Ocean. Sci.* doi:10.3319/TAO.2018.10.24.02 [pdf]

Yu, Y., Chao, B. F., García-García, D., & Luo, Z. (2018). Variations of the Argentine gyre observed in the GRACE time-variable gravity measurements and Ocean Altimetry, *Journal of Geophysical Research, Oceans*, <https://doi.org/10.1029/2018JC014189> [pdf]

Professional service

Reviewer	Geophysical Research Letters	2022-
Organizer	Scripps Institution of Oceanography IGPP seminar	2022-
Student representative	AGU Geodesy Executive Committee	2022-