YaoYu

🕽 +1(725)600-2649 | 9500 Gilman Drive, CA 92093 | 🖂 yayu@ucsd.edu

Education

**University of California, San Diego La Jolla, USA**

PhD student in Earth Sciences *August, 2018 – now*

Advisors: David Sandwell & Sarah Gille

Master of Science in Earth Sciences *August, 2018 - January, 2020*

**Wuhan University Wuhan, China**

Master in Geodesy and Geomatics Engineering *September, 2015 - June, 2018*

Bachelor in Geodesy and Survey Engineering  *September, 2011 - June, 2015*

Advisor: Zhicai Luo

**Academia Sinica Taipei, Taiwan**

Visiting Student  *November, 2016-March, 2017*; *October, 2017-February, 2018*

Advisor: Benjamin F. Chao

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](https://drive.google.com/file/d/1HAcZIs9TPQKPr6MS1Uc7KEc0JJ-8Vk2H/view?usp=sharing)].

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: SYNBATH. *Earth and Space Science*, <https://doi.org/10.1029/2021EA002069>

[[pdf](https://drive.google.com/file/d/1DD7wQy9SCVUDRjQ5m0w7exERNaYRlWZQ/view?usp=sharing)].

**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](https://drive.google.com/file/d/1lrtFZXjIfW2zDfr4WPMsqZa0ugJ2FecF/view?usp=sharing)]

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](https://drive.google.com/file/d/13B4h61VkUbJ44FzXjgToXwC6q4Il_Enn/view?usp=sharing)]

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](https://drive.google.com/file/d/1vObWP_5Q7tHMz63CeELB1sEAxLmGBRTC/view?usp=sharing)]

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](https://drive.google.com/file/d/1bP2WB5WqPS8T9m6AeaOst8Uh4A2DEfjJ/view?usp=sharing)]

**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](https://drive.google.com/file/d/1ukT1FaWl0Ubqj_mJ44jeov4_-g94ooGP/view?usp=sharing)]

Professional service

Reviewer Geophysical Research Letters 2022-

Organizer Scripps Institution of Oceanography IGPP seminar 2022-

Student representative AGU Geodesy Executive Committee 2022-