



Newton Huy Nguyen

Postdoctoral Scholar, Earth System Science

 Curriculum Vitae available Online

Bio

BIO

I am currently a Stanford Science Fellow doing postdoctoral research in the Doerr School of Sustainability and in the Department of Physics. My research focuses on understanding the ultimate fate of methane and other carbon species in the atmosphere. To do this, I apply remote sensing, data assimilation, and numerical models to improve the way we detect, quantify, and trace carbon with satellites and ground-based sensors. I earned my PhD in Environmental Science and Engineering at Caltech in 2023. I am also an avid marathon runner, and proud to be representing Rabbit as a member of their 2024 Elite Team!

STANFORD ADVISORS

- Alison Hoyt, Postdoctoral Faculty Sponsor

LINKS

- Website: <https://newton-climate.github.io>

Research & Scholarship

LAB AFFILIATIONS

- Leo Hollberg (9/1/2023)

Publications

PUBLICATIONS

- **Precision Doppler shift measurements with a frequency comb calibrated laser heterodyne radiometer.** *Optics letters*
Cole, R. K., Fredrick, C., Nguyen, N. H., Diddams, S. A.
2023; 48 (20): 5185-5188
- **Effects of Chemical Feedbacks on Decadal Methane Emissions Estimates** *GEOPHYSICAL RESEARCH LETTERS*
Nguyen, N. H., Turner, A. J., Yin, Y., Prather, M. J., Frankenberg, C.
2020; 47 (3)
- **Large regional shortwave forcing by anthropogenic methane informed by Jovian observations.** *Science advances*
Collins, W. D., Feldman, D. R., Kuo, C., Nguyen, N. H.
2018; 4 (9): eaas9593