

Haitao Liu

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Education

2013–2018 **Ph.D.** in Space Physics
University of Chinese Academy of Sciences, Beijing, China
2009–2013 **B.Sc.** in Exploration Technology and Engineering
Chang'an University, Xi'an, China

Employments

2018–present **Postdoctoral researcher**
Macau University of Science and Technology, Macau, China

Selected Honours and Awards

2018 International Symposium on Lunar & Planetary Science 2018, Best Poster Award
2016 Asia Oceania Geosciences Society 13th Annual Meeting, Best Poster Award

Publications

- [1] **Liu, H.**, Ding, F., Yue, X., Zhao, B., Song, Q., Wan, W., ... Zhang, K. (2018). Depletion and traveling ionospheric disturbances generated by two launches of China's Long March 4B rocket. *Journal of Geophysical Research: Space Physics*, 123, 10,319–10,330. <https://doi.org/10.1029/2018JA026096>
- [2] **Liu, H.**, Ding, F., Zhao, B., Li, J., Hu, L., Wan, W., & Ning, B. (2017). Ionospheric response following the Mw 7.8 Gorkha earthquake on 25 April 2015. *Journal of Geophysical Research: Space Physics*, 122(6), 6495–6507. <https://doi.org/10.1002/2016JA023079>
- [3] **Liu, H.**, F. Ding, W. Wan, and B. Ning (2016). GPS network observation of the large-scale traveling ionospheric disturbances in the American sector during the occurrence of a magnetic storm. *Progress in Geophysics*, 31(2): 545–552 (in Chinese)

- [4] Song, Q., Ding, F., Zhang, X., **Liu, H.**, Mao, T., Zhao, X., & Wang, Y. (2019). Medium-scale traveling ionospheric disturbances induced by Typhoon Chan-hom over China. *Journal of Geophysical Research: Space Physics*, 124, 2223–2237. <https://doi.org/10.1029/2018JA026152>

Conferences and Seminars

- [1] **Liu, H.**, X. Zhou, and K. Zhang (2019). Ionospheric responses to the interplanetary shock on September 9, 2011. Frontiers of Planetary Science and Deep Space Exploration Seminar 2019, Chengdu, China.
- [2] **Liu, H.**, F. Ding, X. Yue, B. Zhao, T. Mao, Q. Song, J. Li, W. Wan, and B. Ning (2018). Ionospheric responses to the shock waves generated by 5 launches of China’s Long March 2F rocket. ISLPS 2018, Macau, China.
- [3] **Liu, H.**, F. Ding, W. Wan, and B. Ning (2016). Ionospheric Response Following Mw 7.8 Gorkha Earthquake on 25 April 2015. AOGS 2016 Annual Meeting, Beijing, China.
- [4] **Liu, H.**, F. Ding, W. Wan, and B. Ning (2015). GPS network observation of the large-scale traveling ionospheric disturbances in the American sector during the occurrence of a magnetic storm. 16th National Solar-Terrestrial Space Physics Symposium, Changsha, China.

Expertise & Skills

Programming	Julia, Python, C/C++, Matlab, Fortran, L ^A T _E X
Data analysis	Global and regional GNSS-TEC data
Driving	Driver license of the People’s Republic of China

Last updated on January 21, 2020