

LUCY WRIGHT

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EDUCATION

Ph.D. Geophysics 2021-2025

School of Earth Sciences | University of Bristol

Dissertation title: "Exploration of Titan's Atmosphere using Cassini Spacecraft Observations"

PGCE Secondary Science (Physics) 2020-2021

Faculty of Education | Homerton College, University of Cambridge

M.Phys. Physics (Second Class, Division One) 2016-2020

Department of Physics | Oriel College, University of Oxford

First Class in Masters

APPOINTMENTS

Senior Research Associate in Planetary Science 2025-present.

School of Earth Sciences | University of Bristol

PROFESSIONAL AWARDS

2023. Outstanding Poster Contest (Outer Solar System and Comets), Meeting of the Division for Planetary Sciences and EuroPlanet Science Congress

2023. Best Talk, Bristol Earth Sciences Enhancing Research Culture

2022. Outstanding Poster Contest (Outer Planet Systems), EuroPlanet Science Congress

2020. Institute of Physics Scholarship

INVITED SEMINARS

2025. Seminar, NASA GSFC

2025. Department of Earth and Planetary Sciences Seminar, Yale University

PEER-REVIEWED PUBLICATIONS

2025. **Wright, L.**, Teanby, N. A., Irwin, P. G. J., Nixon, C. A., Lombardo, N. A., Lora, J. M., and Mitchell, D. "Seasonal Evolution of Titan's Stratospheric Tilt and Temperature Field at High Resolution from Cassini/CIRS", *Planet. Sci. J.*, **6**, 114

2024. **Wright, L.**, Teanby, N. A., Irwin, P. G. J., Nixon, C. A. "Forward modelling low-spectral-resolution Cassini/CIRS observations of Titan", *Exp Astron.*, **57**, 15

FIRST-AUTHORED CONFERENCE CONTRIBUTIONS

2024. **Wright, L.**, et al. "Seasonal variation of Titan's stratospheric tilt", 1st Planetary Science and Space Exploration

2024. **Wright, L.**, et al. "Forward modelling low-spectral-resolution Cassini/CIRS observations of Titan", NEMESIS Meeting

2024. **Wright, L.**, et al. "Seasonal variation of Titan's stratospheric tilt", British Planetary Science Conference

2023. **Wright, L.**, et al. “Seasonal Evolution of Titan’s Stratospheric Composition as a Probe of Atmospheric Dynamics at the Equator”, Meeting of the Division for Planetary Sciences/EuroPlanet Science Congress
2023. **Wright, L.**, et al. “What’s going on at Titan’s equator?”, Bristol Earth Sciences Enhancing Research Culture
2023. **Wright, L.**, et al. “A HCN Gradient at Titan’s Stratospheric Equator”, Titan Through Time VI
2023. **Wright, L.**, et al. “Evolution of Titan’s Stratospheric HCN in High Spatial Resolution”, PLANET-ESLAB
2022. **Wright, L.**, et al. “Stratospheric HCN and Evolution of a Mixing Barrier in Titan’s Equatorial Region from Low-Resolution Cassini/CIRS Spectra”, EuroPlanet Science Congress
2022. **Wright, L.**, et al. “High-Resolution Observations of Titan’s Equatorial Dynamics using Cassini CIRS Spectra”, British Planetary Science Conference
2020. **Wright, L.**, et al. “Exploring the Miss-Distance as a Possible Cause of Non-Simultaneity in Pressure and Seismic Signals of Martian Dust Devils”, Lunar and Planetary Science Conference

PREVIOUS ACADEMIC PROJECTS

2020. *32 wks* Dust Devils in the Martian Troposphere. Department of Atmospheric, Oceanic and Planetary Physics, Univ. of Oxford
2020. *8 wks* Microquasar Spectral Analysis. Global Jet Watch Project, Department of Astrophysics, Univ. of Oxford

TEACHING AND OUTREACH

2025. Primary School Climate Change Enrichment Day (100 students, aged 8–10)
2024. Graduate Teaching Support Assistant, Univ. of Bristol
Numerical Methods & Programming
2023. Graduate Teaching Support Assistant, Univ. of Bristol
Atmospheric Processes; Physics & Chemistry; Numerical Methods & Programming; Computing
2022. *1 wk* Environmental Geoscience Fieldwork Graduate Teaching Support Assistant, Univ. of Bristol
2022. Graduate Teaching Support Assistant, Univ. of Bristol
Atmospheric Processes; Global Seismology; Tectonics, Mapping, & Remote Sensing; Computing; Numerical Methods & Programming
2021. Graduate Teaching Support Assistant, Univ. of Bristol
Atmospheric Processes; Tectonics, Mapping, & Remote Sensing
- 2020–2021. Secondary School Science Teacher (ages 11–18)
2019. *8 wks* Front-end website design for astrophysics education, Global Jet Watch Project, Univ. of Oxford
2018. *8 wks* Infographic design for astrophysics education, Global Jet Watch Project, Univ. of Oxford

OTHER ROLES AND RELEVANT EXPERIENCE

2025. Secretary, NASA Planetary Science Funding Panel
2024. Atmospheres Session Chair, British Planetary Science Conference
2023. Organiser, School of Earth Sciences PhD Student Seminar Series, Univ. of Bristol
- 2023–present. UK Planetary Forum (UKPF) Member
- 2020–present. Team Member, NASA’s InSight Atmospheres Working Group
- 2020–present. Fellow, Royal Astronomical Society (RAS)
- 2019–present. Elected Member, Vincent’s Blues Sports Club
2018. Women’s 1st Team Captain, Univ. of Oxford Water Polo Club