

HUGH OSBORN

PERSONAL INFORMATION

Born in UK, 16 April 1991

address LAM, 38 Rue Jolie Curie, Marseille, 13388, France

email hugh.osborn@lam.fr

website hughosborn.co.uk

phone +33 (0)4 91 05 59 90

RESEARCH EXPERIENCE

LAM 2017–2019 Post-Doctoral Researcher

Primary focus: Space-based transit survey analysis.

- Developing ranking procedures for transiting exoplanet candidates with a view for use with ESA's PLATO mission.
- Testing new ranking methods, including machine learning and metric-based approaches, with real and injection Kepler planet candidates.
- Improving candidate validation from lightcurve information.
- Search and follow-up of long-period planet candidates seen to transit in K2.
- Assisting the search & characterisation of transiting planets found with K2 around bright stars

Warwick 2013–2017 Doctoral Research Student

Primary focus: Transiting exoplanet science.

- Candidate selection for ground-based transit surveys WASP & NGTS.
- Leading the exoplanet search in K2 campaigns 1 to 8, producing more than 100 candidates and six publications.
- Analysing the potential for detecting long-period planets in ground-based (WASP) and space-based (TESS) transit surveys
- Detecting and analysing single transiting exoplanet candidates from K2
- Exoplanet RV and transit follow-up at the Swiss Telescope (La Silla) and the NITES telescope (La Palma).
- Spectral reduction and analysis.
- Systematic Searches in archival photometric (WASP) data for long-duration eclipses caused by dusty companions

EDUCATION

PhD 2013–2017 University of Warwick, UK

Title: "Long Period Worlds from Exoplanet Transit Surveys"

Supervisor: Prof. Don POLLACCO *Funding:* Chancellors Scholarship

Master of Science 2009–2013 University College London, UK

First Class Honours · School: Earth Sciences

Courses studied: Astronomy (40%), planetary geology (35%), atmosphere & climate (16%), maths (4%), computing (4%).

MSci Research Thesis (2012–2013): *The Observability of Transiting Exoplanet Atmospheres with the EChO Space Telescope* Advisor: Prof. Giovanna TINETTI

School 2003–2009 Hewett School, Norwich, UK

A/AS-level grades: A A A A / A · GCSE grades: · A* A* A* A* A A A A B

*Outreach &
Communication*

Creator and co-presenter of *Exocast*, an exoplanet-specific science podcast.
Given astronomy talks at many schools with Warwick's inflatable planetarium.
Written numerous articles & blogs conveying exoplanetary science to a wide, non-technical audience.
Reached the regional finals of *FameLab*, a science communication competition.
Participated in the *I'm a Scientist* outreach competition with UK school children.
Former Science Editor of the *London Student* (2012-2013)

Interests

Mountaineering · Quizzing · Running · Photography · Travel

Referees

Prof. Don Pollacco · University of Warwick · d.pollacco@warwick.ac.uk
Prof. Matt Kenworthy · University of Leiden · kenworthy@strw.leidenuniv.nl
Prof. Magali Deleuil · Laboratoire d'Astrophysique de Marseille · magali.deleuil@lam.fr

April 3, 2018