



UNIVERSITY OF LEEDS

## CANDIDATE BRIEF

Research Scientist in Stratospheric Composition, Faculty of Environment



**Salary: Grade 7 (£32,548 – £38,833 p.a.)** Due to funding limitations the post will be appointed at no higher than spine point 35, £37,706

**Reference: ENVEE1258**

**Closing Date: 28 June 2018**

**Fixed term until 31 December 2020 due to external funding**  
**Open to job share or flexible working considerations**

# Research Scientist in Stratospheric Composition Science

## School of Earth and Environment, Faculty of Environment

**Are you an ambitious researcher looking for your next challenge? Do you have a background in stratospheric composition science? Do you want to further your career in one of the UK's leading research intensive Universities?**

The research scientist role will involve experiments with the UK's community composition-climate model (<http://www.ukca.ac.uk>) and collaborating with a range of international project partners to interpret observations of aerosol particles and polar clouds in the stratosphere, taken from high-altitude aircraft and balloons, and measured by instruments carried on satellites orbiting the earth.

The applicant must have a very high proficiency in Linux and Fortran programming, with experience of developing models of aerosol or other particulate populations, including their application on supercomputing resources. A proven record of publication in international peer-reviewed journals is also a pre-requisite.

### What does the role entail?

As a Research Scientist, your main duties will include:

- Working with the stratospheric aerosol and chemistry research groupings and project partners to progress the science effectively;
- Discussing with others at related conferences and workshops, seeking to stimulate new research ideas in stratospheric composition research;
- Developing research objectives and influencing the direction of the research project including contributing to proposals for research funding;
- Discussing methods and results being developed by other researchers and to consider how other findings relate to your own science;
- Communicating or presenting research results through publication or other recognised forms of output;
- Working both independently and also as part of a larger team of researchers, engaging in knowledge-transfer activities;
- Maintaining your own continuing professional development and acting as a mentor to less experienced colleagues;
- Contributing to research-led teaching, for example assisting with the PhD supervision or opportunities to give undergraduate lectures.



These duties provide a framework for the role and should not be regarded as a definitive list. Other reasonable duties may be required consistent with the grade of the post.

## What will you bring to the role?

As Research Scientist you will have:

- A PhD (or close to completion) in atmospheric science or other physical science discipline;
- Have research experience in modelling stratospheric or tropospheric aerosol or in global modelling of atmospheric chemistry;
- Experience comparing global models of atmospheric composition with in-situ observations or satellite observations;
- A strong record of publication in international peer-reviewed journals;
- Excellent written and verbal communication skills including presentation skills and the ability to communicate effectively with a wide range of stakeholders;
- Proven ability to manage competing demands effectively, responsibly and without close support;
- Good time management and planning skills, with the ability to meet tight deadlines and work effectively under pressure.

You may also have:

- A very high proficiency in Linux and Fortran programming, especially with experience of using supercomputing resources;
- Proven ability to develop shell-scripts within your research to provide improved capability to the benefit of others;
- A proven ability to enable others to broaden their scientific understanding to a wider area aligned to your research.

## How to apply

You can apply for this role online; more guidance can be found on our [How to Apply](#) information page. Applications should be submitted by 23.59 (UK time) on the advertised closing date.



## Contact information

To explore the post further or for any queries you may have, please contact:

**Dr Graham Mann, Lecturer in Atmospheric Science**

Tel: +44(0) 113 343 1660

Email: [G.W.Mann@leeds.ac.uk](mailto:G.W.Mann@leeds.ac.uk)

## Additional information

Find out more about the [Faculty of Environment](#).

Find out more about [Athena Swan](#) in the Faculty.

(SEE) Find out more about our [School](#).

(SEE) Find out more about our [Research and associated facilities](#).

## Working at Leeds

You can find out more about our generous benefits package and more about what it is like to work at the University and live in the Leeds area on our [Working at Leeds](#) information page.

## Candidates with disabilities

Information for candidates with disabilities, impairments or health conditions, including requesting alternative formats, can be found on our [Accessibility](#) information page or by getting in touch with us at [disclosure@leeds.ac.uk](mailto:disclosure@leeds.ac.uk).

## Criminal record information

### Rehabilitation of Offenders Act 1974

A criminal record check is not required for this position, however, all applicants will be required to declare if they have any 'unspent' criminal offences, including those pending.

Any offer of appointment will be, in accordance with our Criminal Records policy. You can find out more about required checks and declarations in our [Criminal Records](#) information.

