



Job Details

Reference: 1722

Position Title: Senior Research Scientist

Classification: Executive Level 2

Salary range: \$85,914 - \$102,376 per annum

Location: 700 Collins Street, Docklands - Melbourne Victoria 3008

Division: Research

Branch: Bureau of Meteorology Research Centre

Section: Weather Forecasting Group

Status: Non-ongoing – for a specified task (estimated duration is 3 years)

Applicants: For eligibility see [Essential Applicant Information](#)

Applications close: Friday, 29 September 2006

Advertisement

Contribute at a high level, either as an individual or as a member of the Weather Forecasting Group, to the body of knowledge on the science of the atmosphere by means of research and investigation.

Duty Statement

Under broad policy control and limited direction,

1. Contribute at an advanced level either as an individual or as a member of a research team to the body of knowledge on the science of the atmosphere by means of research and investigation.
2. Facilitate, as appropriate, the development of improved systems through the application of improved knowledge of the science of the atmosphere and remote sensing.
3. Be aware of, and apply as necessary, the principles and practices of the various elements of the Bureau's Social Justice Strategy.

Duties representing highest function: 1, 2

Supervisor: Chief Scientist (Research), Chief Of Division Grade 2 – Ref. No. 1601

Job Profile

The appointee will be a member of the Bureau of Meteorology Research Centre (BMRC) Weather Forecasting group and will play a lead role in the study of tropical cloud systems and their impacts in collaboration with the US Dept. of Energy Atmospheric Radiation Measurement (ARM) Program. The initial phase of the appointment will focus on the analysis of data collected during the Tropical Warm Pool International Cloud Experiment including polarimetric radar, cloud radar and other observations. Analysis of long term data sets to put the TWPICE data into long term context will also be a prime area of research. Amongst other things, this will include the retrieval of cloud properties using ARM data.

Job Profile continued

The position will involve working with other groups in BMRC and CSIRO and other ARM associated scientists. The appointee will also interface with university groups. The individual will play a leading role in the defining and undertaking research project within the broad context of the profile above. The position will require the individual to keep abreast of the latest developments in the field.

Selection Criteria

Applicants must address the selection criteria. To assist you prepare your application, please read the information at [General Information for Applicants](#) and complete the Bureau of Meteorology Application Cover Form.

1. Scientific Research Ability, Skills and Experience

- Ability to conceive research problems and undertake scientific research in the development and use of radar remote sensing including, microphysical retrievals.
- Ability to define and solve more complex scientific problems, based on a sound mathematical background and knowledge of radar meteorology, dynamical meteorology and physical processes in the atmosphere.
- Scientific knowledge and research skills gained from a considerable background of research experience and achievement in radar remote sensing and tropical cloud systems.
- A demonstrated contribution to the body of scientific knowledge in their field through published and unpublished works.

2. Scientific Leadership

- Ability to plan, allocate and monitor and deal with competing demands for human, financial and material resources at the work unit level.
- Ability to make sound decisions.
- Ability to create and maintain a high level of teamwork and co-operation.
- Ability to develop, evaluate and provide leadership to others within the work unit.

3. Achievement Orientation

- Demonstrated persistence and application in the solving of scientific problems where data is vague or ill defined and requires selective analysis.
- Ability to report research findings effectively to the agency or the scientific community.

4. Adaptability/Flexibility

- Ability to respond readily to the demands of change in the use of resources and to effectively handle tasks requiring simultaneous action covering more than one discipline.
- Capacity to broaden the scientific research base.

5. Human Relations/Communication Skills

- Ability to explain complex information and concepts to project and other staff.
- Ability to assess others and contribute to staff counseling.

6. Social Justice

- Knowledge of the principles of the Bureau's Social Justice Strategy and a commitment to apply them in the workplace.

Eligibility Requirements:

Mandatory Qualifications – A degree of Doctor of Philosophy of an Australian university or a comparable overseas qualification, which is appropriate to the duties; OR other comparable qualifications which are appropriate to the duties; AND the delegate is satisfied that the Scientist possesses:

- (a) scientific research ability, a breadth and depth of scientific interests and the potential to vary those scientific interests to accept responsibility for scientific in fields broader than those encompassed by university training; AND
- (b) scientific skill and judgement, together with the capacity to make mature assessments and decisions on the progress of his or her scientific research work and to accept responsibility for:
 - (i) the accuracy and validity of that work;
 - (ii) the scientific conclusions derived personally from that work; and the advancement of that work in directions which might have a bearing on its application.

Contact

If you would like to know more about the Bureau of Meteorology visit <http://www.bom.gov.au/>

Employment conditions for most Bureau employees are contained in the Bureau of Meteorology Certified Agreement 2006-2008 which is available on the website at: http://www.bom.gov.au/inside/ca_2006-2008.pdf

Please read the selection documentation and if you have any queries specific to this position please contact Peter May on (03) 9669 4490.

Applications

Applications can be lodged personally at: The Recruitment Unit, 7th Floor, 700 Collins St, Docklands

By mail to: Recruitment Manager, Bureau of Meteorology, GPO Box 1289, Melbourne VIC 3001

By email to: jobs@bom.gov.au

All applicants are required to include a completed Bureau of Meteorology Application Cover Form, Résumé or CV and a Statement addressing the Selection Criteria.

All applicants are advised to read [General Information for Applicants](#) available on this web site before submitting their application.

Should you experience any difficulties with accessing information please contact the Recruitment Unit by email at: jobs@bom.gov.au or by telephone on 03 9669 4260 / 03 9669 4583 / 03 9669 4333.