

The South African Weather Service (SAWS) is a Section 3(a) public entity under the Ministry of Water and Environmental Affairs. The company became a public entity on 15 July 2001 in terms of the South African Weather Service Act (No. 8 of 2001). It is an authoritative voice for weather and climate forecasting in South Africa and as a member of the World Meteorological Organization (WMO) it complies with international meteorological standards. As an Aviation Meteorological Authority, SAWS is designated by the state to provide weather services to the aviation industry, marine and a range of other identified clients and to fulfil a range of international obligations of the government.

The organisation reserves the right not to fill this position. South African Weather Service is an equal opportunity employer.

Chief Scientist: Nowcasting and Very Short Range Forecasting

Department: Research

Salary: Negotiable

(Ref. WS08/102016)

Centre: Pretoria

Key Performance Areas:

- The candidate for this position has to make use of remote sensing tools such as weather radar, satellite and other real-time data platforms to develop products and services for the improved detection of severe weather on the time scale 0-12 hours
- Play a leading role to guide and lead research in the development and implementation of innovative methods capable of detecting and forecasting severe weather events
- This includes the utilisation of convective scale Numerical Weather Prediction Models
- Initiate, plan and conduct research projects related to Nowcasting and Very Short Range Forecasting
- Advise in developing and maintaining the strategic direction of Now casting and Very Short Range Forecasting Research at SAWS in line with the international standards and practices
- Develop and nurture external collaboration with national and international institutions relevant to research activities
- Represent SAWS, where appropriate, on national or international scientific panels/committees or expert groups in an expert capacity presenting research findings at workshops and conferences
- Participate in the development and support of relevant operational meteorological systems
- Contribute actively in the scientific mentoring and development of younger scientists
- Expected to act as scientific lecturer in-house and at university level training courses
- Must be able to work under pressure and deliver on time.

Minimum Requirements and Attributes:

•An appropriate PhD Degree in Atmospheric Science, Meteorology with at least 7– 10 years or equivalent working experience • Essential: Substantial experience with software programming languages e.g. Fortran 90, C++, C#• Experience in the LINUX operating environment and scripting within this system • Scripting in Python and the use of satellite remote sensing products for validation • Proven Experience and knowledge of radiative transfer, physical remote sensing, processing meteorological satellite data and computer based statistics and data analysis • Proven experience with scientific satellite applications software and graphical display packages such as GRADS is recommended • Proven Project Management skills and successful project completion in a team leader capacity • Evidence of a peer reviewed publication record relevant to this field • Ability to cope with several projects at any one time and the ability to work both independently and cooperatively with others. • Excellent oral and written communication skills.

**Enquiries for the above-mentioned positions must be directed to:
Ms. Faith Borotho, at Tel. (012) 367 6095**

Applications for the above mentioned position must be submitted on form E1 obtainable from the Weather Service offices or website (www.weathersa.co.za) and should be accompanied by a comprehensive CV, as well as certified copies of qualifications.

All applications (with the relevant reference number) should be emailed to recruitment2@weathersa.co.za for the attention of **Ms. Faith Borotho**

Closing Date: 11 November 2016

A SAQA evaluation report must accompany foreign qualifications. Incomplete applications will not be considered.

Applicants who do not receive any response from us within 3 months of the closing date must deem their application as unsuccessful. Correspondence will be limited to short listed candidates only. SAWS will not pay for relocation costs of successful candidates.



Record Reference	HCM-ADVERT- (Ref.WS08/102016)
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