



**British
Antarctic Survey**

NATURAL ENVIRONMENT RESEARCH COUNCIL

Data Manager – Antarctica

Contract type: Antarctic Contract

Duration: Antarctic Winter (Up to 22 Months)

Salary: £23,937 per annum initially. Additionally, upon completion of a successful tour, you will receive a 10% bonus on your Antarctic Service.

Benefits: We offer generous benefits

Team: Antarctic employment pool team

Location: Antarctica

Description

The opportunity is available for a suitably qualified person to over-winter in Antarctica at our Halley VI (76°S, 27°W) research station. This is data management with a difference. As part of a small, highly motivated team, you will be spending a whole year in the Antarctic; life here is like nowhere else, so you must be ready to take on all the challenges it offers. With the unparalleled beauty of the Antarctic, you will find this a profitable experience in more ways than one.

The primary role of the successful candidate will be to maintain and operate the data systems for a suite of scientific instruments studying the atmosphere and geo-space.

The successful candidate will work within a small team that manage, maintain, operate and develop science information services for scientific experiments based in Antarctica. You will have proven ability in scientific data management from within a principally Linux computing environment coupled with self-reliance and strong motivation. You must be adaptable and willing to take on various tasks as they arise including a considerable amount of outdoor maintenance and general base work as well as your share in routine duties such as out of hours meteorological observations.

This will be a challenging and demanding opportunity in an extreme and isolated environment. Applicants must therefore be physically capable and medically fit.

Qualification

Experience in Linux administration, a knowledge of data acquisition techniques, and general programming skills are essential; familiarity with computer networks would be an advantage. Candidates should have a minimum of an HNC in a computing related subject and, ideally, several years' experience.

Purpose

- To implement, maintain, and enhance data services for a suite of Antarctic experiments at Halley Research Station.
- To maintain and upgrade as necessary Station data server software and hardware.
- To assist and support the general science operations on Station.
- To assist and contribute to general Station duties and operations.

Duties

- To routinely check, maintain and backup scientific data in the Antarctic.
- To provide data services support and expertise to Station Scientists.
- To organise and carry out the work in a safe and professional manner.
- To keep line management aware of progress and report any problems as and when they arise.
- To compile monthly and annual work reports. To request replacement stores to meet yearly shipping deadlines.
- To keep the facilities in a professional and orderly condition.
- To work with other staff to ensure that operational and safety standards of the station are maintained.
- To assist other members of the Science team in their duties; this will include taking part in a rota to undertake meteorological observations outside of normal working hours.
- To assist with fieldwork programmes.
- To assist in other duties as required by the Director of BAS.

We welcome applications from all sections of the community. People from ethnic minorities and disabled people are currently under-represented and their applications are particularly welcome. We operate a guaranteed interview scheme for disabled candidates who meet the minimum criteria for the job role.

You will need to be physically capable and medically fit to work in Antarctic conditions.

Skills Specification

Skills are listed as either Essential or Desirable. Desirable skills importance rating in parenthesis (1 is high, 5 is low)

Communication skills

- Clear and concise. - Essential
- Fluent in written and spoken English language. - Essential

Computer / IT skills

- Linux/unix administration. - Essential
- Shell scripting. - Essential
- Perl, Python. - Essential
- Relational Database knowledge. - Essential
- Web application development skills. - Essential
- Working knowledge of php, Java, C programming languages. - Essential
- Understanding of networking. - Desirable [1]

- IDL or Matlab. - Desirable [1]

Decision Making

- Demonstrable ability to problem solve on a wide range of issues and to think clearly while under pressure. - Essential

Managerial ability

- Must be able to manage own time. - Essential
- Management of others. - Desirable [3]

Numerical ability

- That expected for HNC or higher qualification in a computing based discipline. - Essential

Other Factors

- Ability to function in small team in Antarctic environment. - Essential
- Small or remote team experience. - Desirable [1]

Qualifications

- Relevant HNC or higher. - Essential
- Relevant degree or similar in computing or similar subject, or lower qualification backed by suitable experience. - Desirable [2]

Skills / Experience

- Broad experience in Linux administration and science data management. - Essential
- Fault finding in hardware systems. - Essential
- Windows/PC OS (various). - Essential