

**JOB DESCRIPTION**

POST TITLE	Data Analysis Scientist		
DIVISION/DEPARTMENT	Data Analysis Group, Science Division		
REPORTS TO	Senior Software Scientist	GRADE	5

**AIM**

To work with data analysis and data acquisition staff on extending and developing the existing reconstruction pipeline Savu. Development should be the integration of existing methodologies with the framework, as well as researching new methodologies where necessary, based on experimental requirements. This role will also work closely with users of the Diamond tomographic facilities to train, guide and support their use of Savu, enabling them to process their data in the most effective way and to the highest possible quality.

**ACCOUNTABILITIES**

- Working with the beamline scientists and the data acquisition team to identify and define requirements for the data analysis software.
- Management and, if necessary, implementation of required software including appropriate documentation and project plans.
- Work closely with acquisition colleagues to enable the integration of analysis software into the data acquisition process where appropriate.
- Technical appreciation of software techniques and tools to employ.
- Use scientific and technical knowledge to understand and implement data analysis and mathematical software.
- Development and use of collaboration across multidisciplinary teams from potentially geographically separated locations.
- Implement appropriate software testing regimes as part of the development process.

Because of the changing nature of our business your job description will inevitably change. You will, from time to time, be required to undertake other activities of a similar nature that fall within your capabilities as directed by management.