

Instrument Upgrade, Installation and Operation at ISIS

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This talk will focus on my experiences as an Operations Manager at ISIS and how I also manage the delivery of Instrument Projects at ISIS. It will include the challenges faced as a technician carrying out the work, and as a Operations and Installation manager looking after Operating Instruments and Instrument Installations at the same time.

The talk will be spilt into three topics;

- Planning and preparation
- Managing Installation and Operation
- The Aftermath –Learning for the future

Planning and Preparation will focus on the planning phase and the role Instrument Operations has in working with designers, scientists and engineers in preparing a project for installation. Using examples from my experiences as a technician on OSIRIS Beryllium Filter and Instrument ZOOM and as an Installation Manager on Sandals/Alfred, my talk will demonstrate this essential part of the process.

I will discuss the benefits of Pre-building, Installation planning and lessons learned when this go wrong.

Managing Installation and Operation will focus on the importance of relationships, communications and the links between the Instrument Project and Instrument Operation. The talk will discuss how we carry out managing the day to day activities of an installation and providing technical support for Operating Instruments simultaneously. I will also give examples how we manage safety on Instrument Installations and Operations and give examples of when things go wrong and how we got over these challenges on projects like Instrument ZOOM build, Reflectometer Instrument Alignment Projects and Instrument INTER Secondary Upgrade.

The Aftermath –Learning for the future will focus on how we implement continual improvement, review our performance and measure our success' s. Examples will be given such us Reflectometer guide alignment and CHIPIR Intermediate Shutter.

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