

Trend Analysis Software

A. Johnson

Diamond Light Source Ltd, Harwell Science and Innovation Campus, Didcot, Oxfordshire, UK.

At Diamond (like many facilities) we have very large numbers of process variables (PVs) generating archive data, thereby providing a huge data resource. For Operators to quickly and easily examine large arrays of archived data to identify rising / falling trends or increased signal noise we have developed a software tool. This tool reads a number of days' worth of data for predefined arrays of PVs and displays the percentage change and percentage spread in the data in an overview gui. This tool allows hundreds of PVs to be quickly and easily assessed and readily highlights PVs that require further investigation before they reach alarm levels.

Presentation Type: Oral.

Session: 16, Innovative Creative Tools (M. Takao).