Data Import at RAL

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In Use

- Snapshot of the SLAC Analysis Federation, 29 July.
  - 1,084,652 events
  - Datataking until 6 July
  - No raw + rec data
    - ie. Micro, or tag reading only (also mini, but that doesn't work).
  - 75 Gb on disk
  - Disk + Objectivity servers on old Compaq system
  - In use since mid-August.
- N-tuples copied onto JREI disks
  - Standard tag, micro, and PID n-tuples.
  - 47 Gb
  - Thanks to Fergus Wilson.

Status

- Further exports were held up by problems exporting large database files.
  - > 2Gb file handling is not fully supported on Solaris.
  - Still no tape support
    - Solution is under development.
  - Temporary solution: copy compressed 2 Gb files by FTP
    - mostly via IN2P3.
- Also encountered crashes of the large-file version of AMS (Objectivity data server).
  - This version required to serve 2 Gb files.
  - Remove inessential configurations
    - So far no more crashes
  - Awaiting fix from SLAC
    - After extensive debugging at RAL, problem believed to be understood.

New Federation

- Snapshot of the SLAC Analysis Federation, 23 September.
  - 7,247,727 events
  - Data taking until 14 September
  - Still no raw + rec
  - 387 Gb on disk
  - Uses new JREI system for disk and Objy servers
    - New DLT7000 drive used for import
- Will be announced in the next few days
  - Following backup and a few further checks.
- Additional 108 Gb “in the post” from SLAC.
- Federation backup/archive system installed
  - SLAC Objy-HPSS system adapted for RAL Datastore.

Future

- Import additional data incrementally
  - Incremental import already well tested
- Copy first Kanga (neé NOTMA) data to RAL.
- Copy SP2 Monte Carlo data
  - SP1/1.5 was mostly >2 Gb files, so export was impracticable.
  - Need to confirm that SP2 is better.
  - Await SP2 production.
- Copy subset of raw + rec data
  - What's on disk at SLAC
- ***Any preferences for which comes first?***
- ***Other requests?***