

# EventStore Update

- Thanks to David L. for fixing EVIO event numbering in JANA and Paul/Kei for generating event lists
- Several improvements recently implemented
  - EVIO file support
  - Rearranged file management to fit with current GlueX data scheme & processing framework
    - Multiple data files per run -> ES catalogues on per run basis
- Tested DB indexing/cataloguing on EVIO/REST files using 8 different skims
  - Different skims used for EVIO/REST
  - EVIO files indexed based on file position, HDDM files indexed based on order in stream
  - DB merging and management scripts still A-OK

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- Status:
  - DB creation and management scripts in SVN, documentation under way
    - Squashing(-ed?) a few bugs in processing full runs
  - eventstore plugin designed, implementation/documentation under way
- Approx. data sizes (run 2402)
  - 164 GB EVIO (mode 8)
  - 240 MB REST
  - 5 MB of ES indices
    - Can be reduced factor 10 with compression (bzip2)
- Near future plans:
  - Will implement some optional “light” file management routines to be batch queue friendly
  - File path translation for university site use
- For more: <https://halldweb1.jlab.org/wiki/index.php/EventStore>