Channel Access Archiver
Use and Experiences

BESSY

- Archiving Structure at BESSY

- Local Installation and Experience

- Conclusion and Wishlist

Archiving Structure

- Used to be an sddsmonitor based archiver

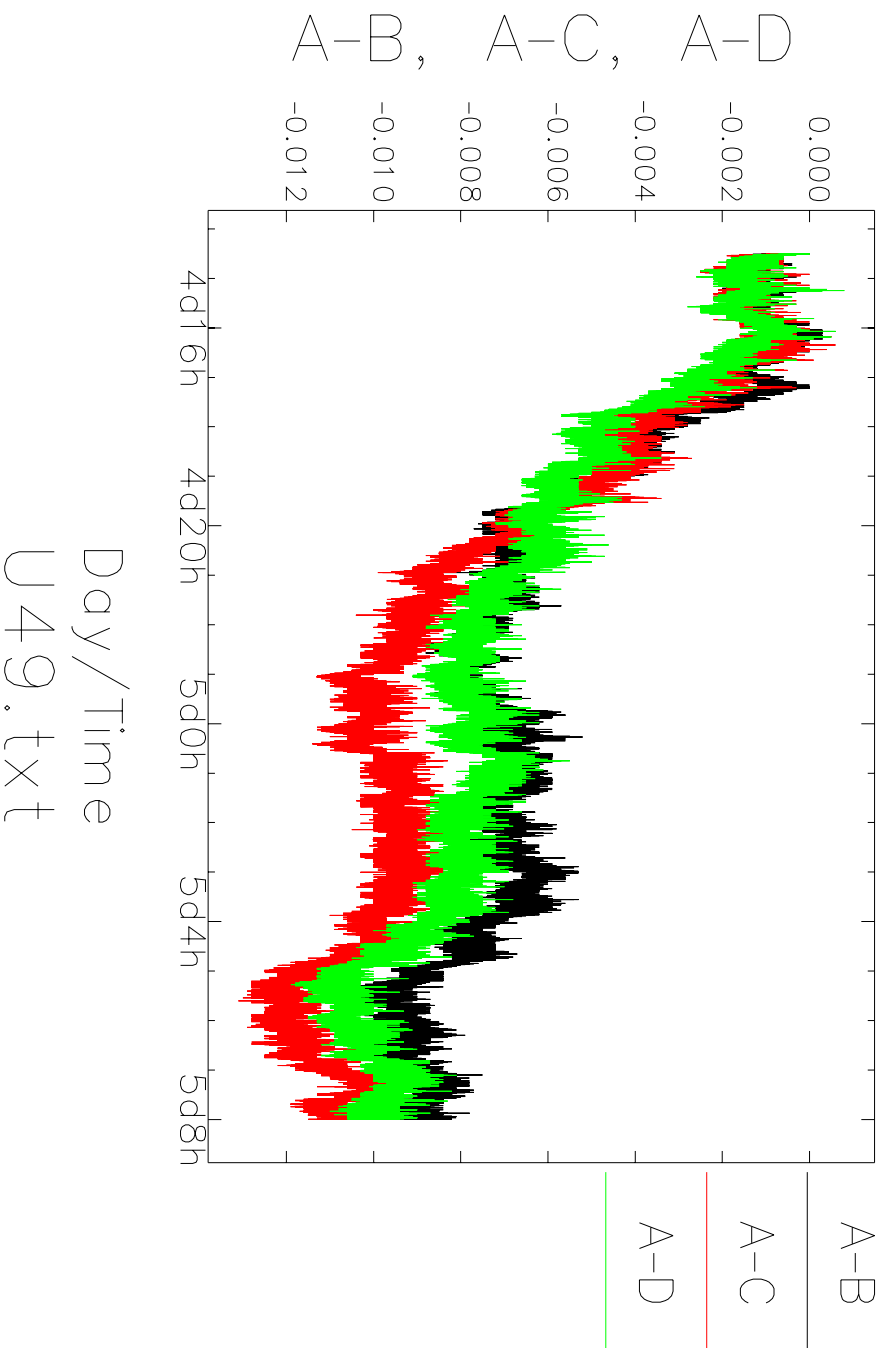- Several Tcl/Tk based tools to browse/extract the data

Disadvantages

- Only fixed frequency archiving

- Huge files to be scanned by every single tool

↪ Started use of Channel Access Archiver about 1 year ago

Local Installation and Experience

- We are currently using version 1.6.2

- two `ArchiveEngine` archiving 5750 PVs with approx. 170MB/day

- Main tool for retrieval: `CGIExport`

- Exported data (spreadsheet-export) postprocessed with Origin, Excel, `caa2sdds`...

- `caa2sdds` = Channel Access Archiver to SDDS converter

- `CGIExport` works, but is quite uncomfortable selecting channels, sparsing data...

- problems with *future* timestamps were solved (Kay)

Example:
ArchiveEngine - CGIExport - caa2sdds - sdds*

A-B, A-C, A-D

-0.012 -0.010 -0.008 -0.006 -0.004 -0.002 0.000

4d16h   4d20h   5d0h   5d4h   5d8h

Day/Time
U49.txt

A-B
A-C
A-D

Conclusion

- Reliable and well accepted at BESSY

- Archived data only accessible via filesystem or `CGIExport`

Wishlist

+ network interface to archived data

+ possibility to merge data from separate archives (*golden retriever*)

+ retrieval tool (e.g. XARR – Chris Larrieu)