

Roadmap

Etention Releases:

1.1

- Clean up file structure
- 1-byte Volumes to optimize memory consumption
- **Mask Volumes for Parallel / Perspective beams**
- Mask Volumes together with Blobs basis function
- Backprojection iterates in reverse order to utilize bandwidth properly (reuse data on GPU, Forward 0-1-2-3-4, Backward 4-3-2-1-0)
- Profiling level for kernel timings only

1.2

- DART reconstruction for less artifacts
- CL files located in main source tree together with its C++ counterpart

1.3 “Etomo release”

- Latest IMOD support
- Configuration dump for repeatability and faster/better remote support
- Better/more descriptive error/exception handling messages
- Send bug report + logs via email from Etomo GUI
- Log files browser

2.0

- Volume reconstruction resolution up to 2k and 4k
- Remove background from input projections to get smoother results
- Reconstruction from projections that do not fit into GPU memory
- Performance optimization guidelines for large data
- Separate unit and integration test data

Qapla!