

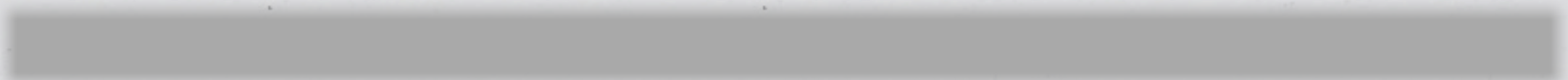
ADF / Watchers



Narval : Does not care of the structure of data

↳ Done through the ADF library (Frame oriented approach)

Watcher : light actor which works on specific data



Tested/Used/Developed on site in February / June

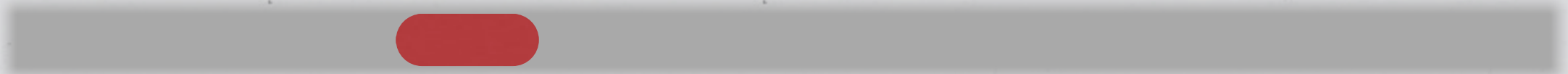
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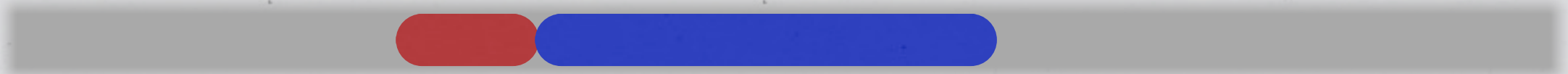
ADF / Watchers



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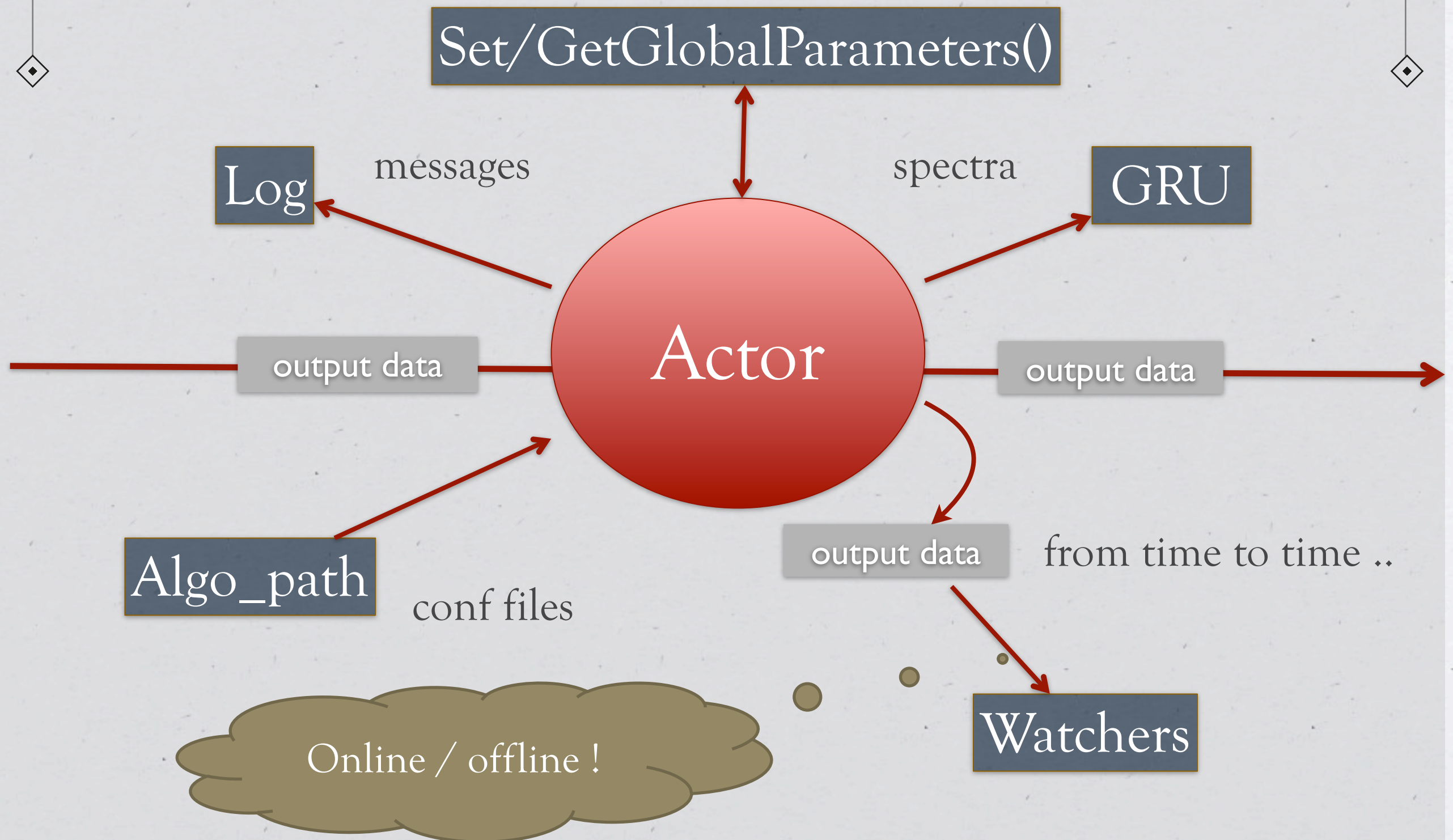
↳ Done through the ADF library (Frame oriented approach)

Watcher : light actor which works on specific data

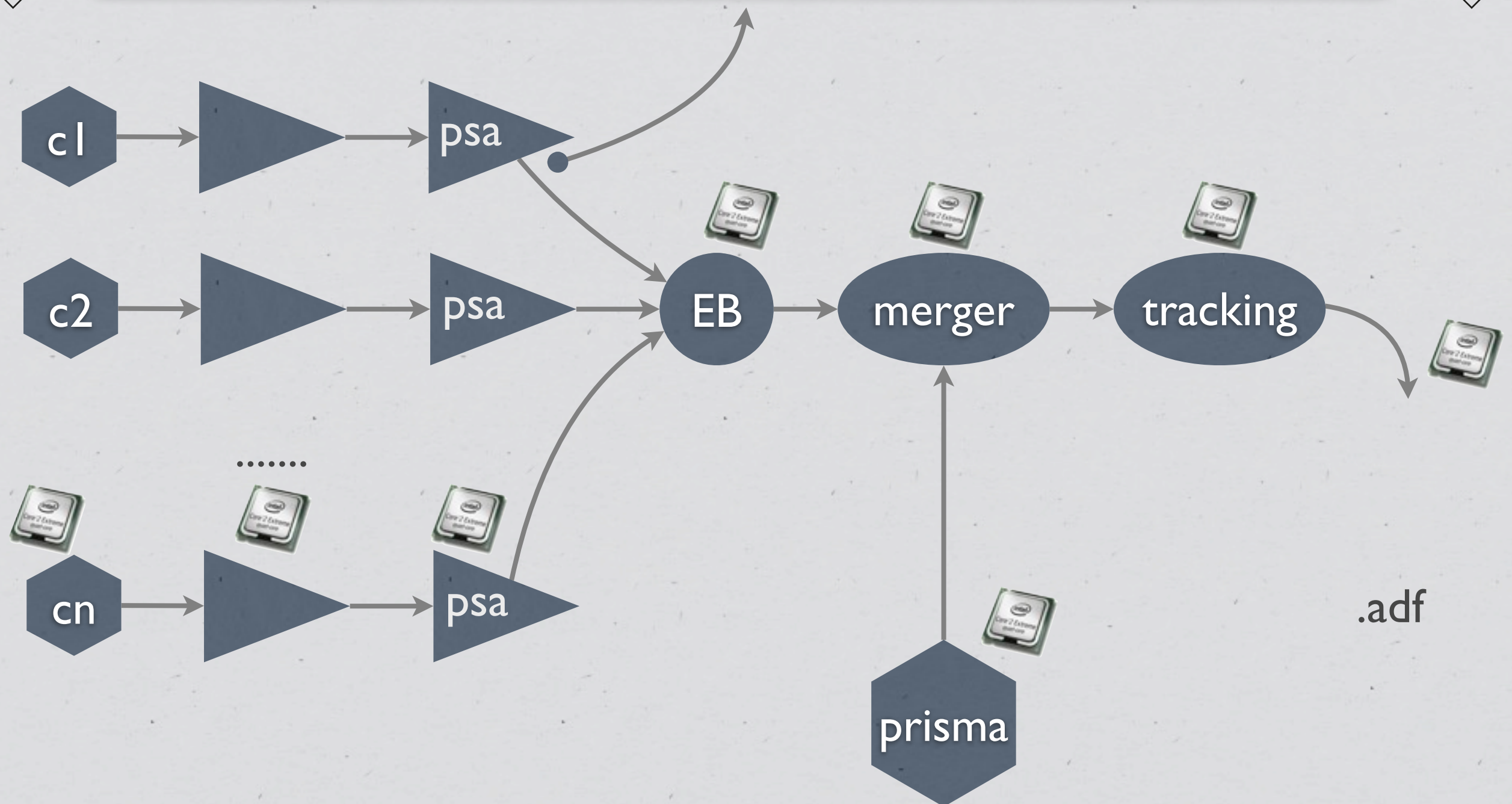


Tested/Used/Developed on site in February / June

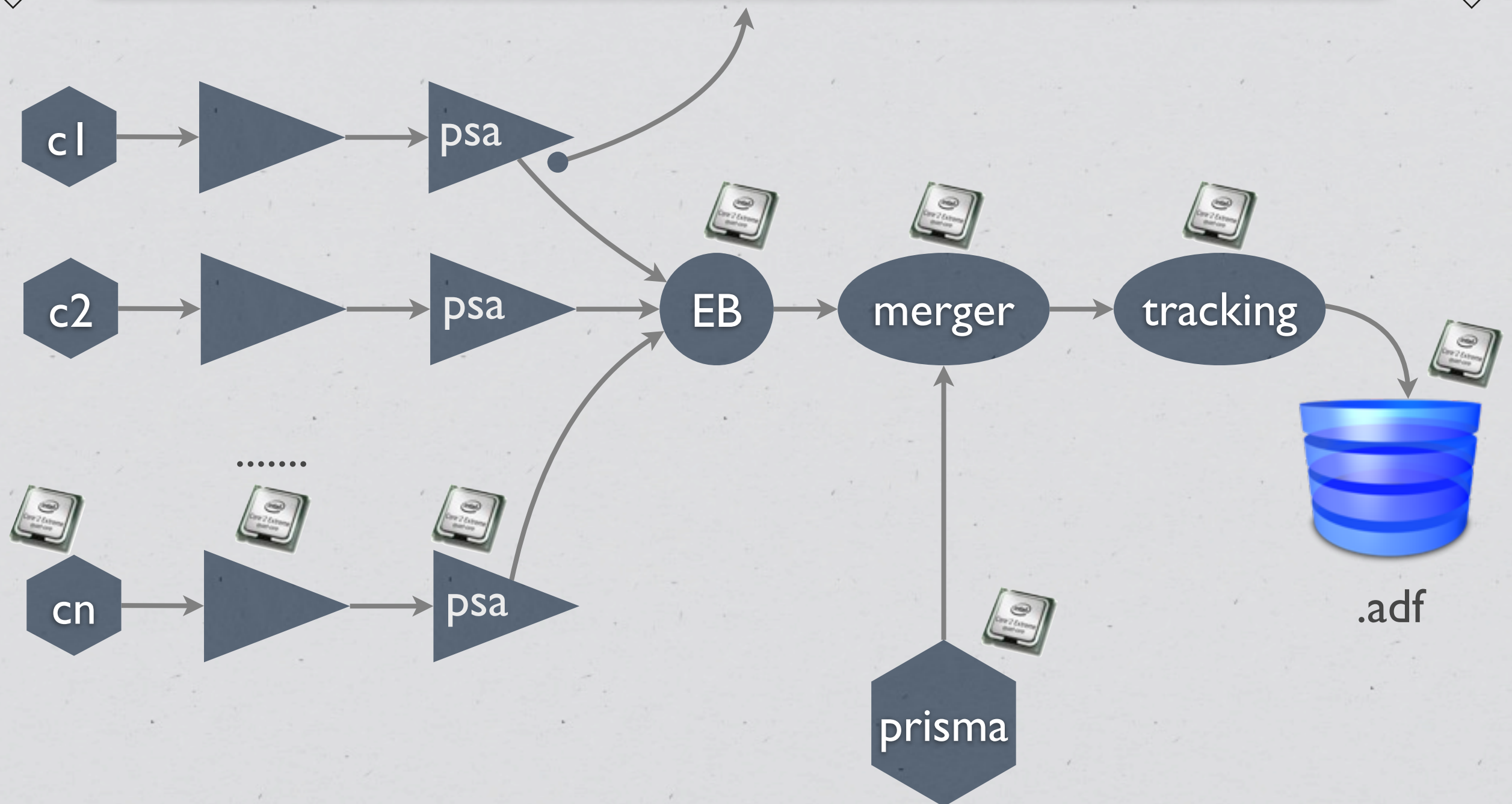
Communications with Narval



DAQ - Narval



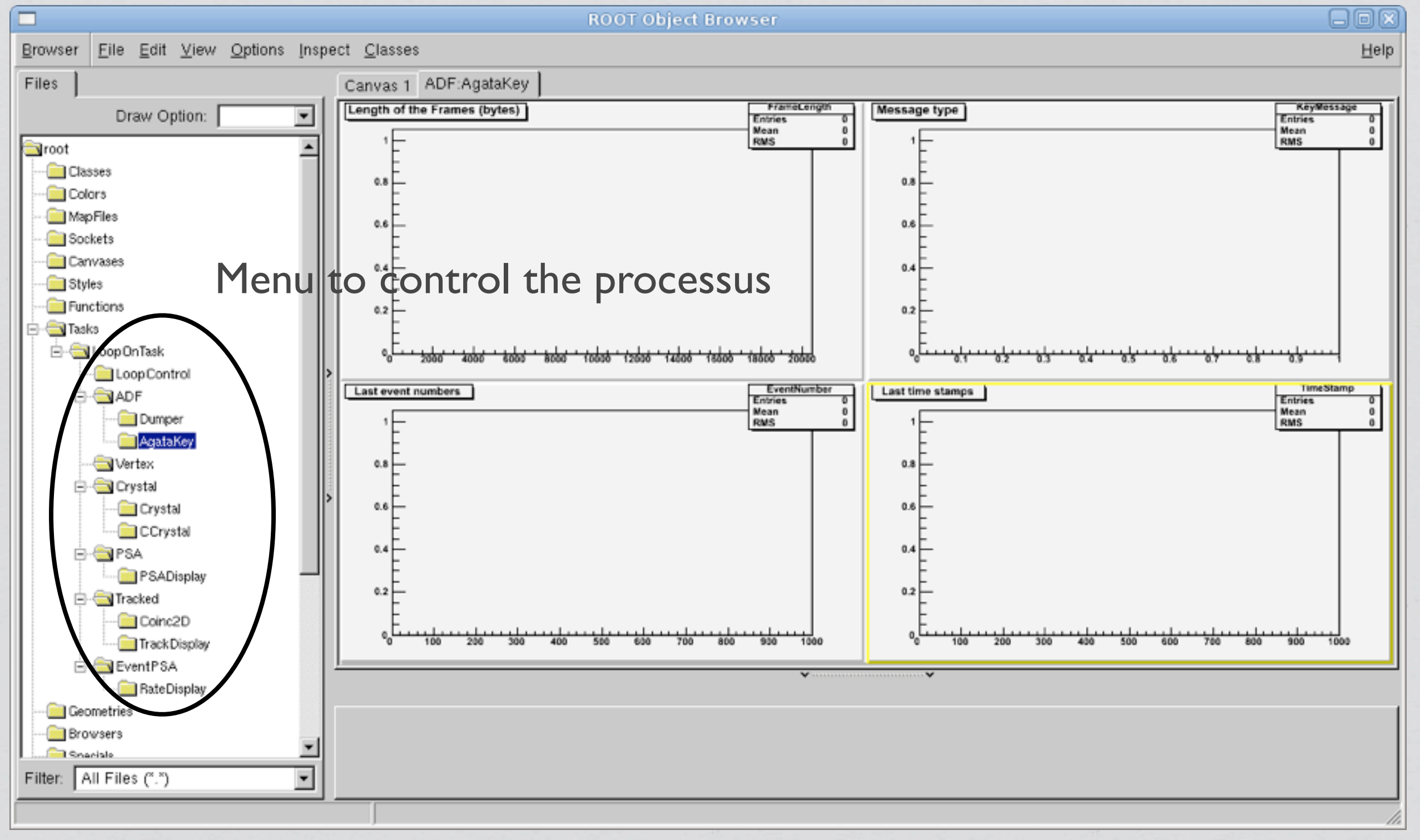
DAQ - Narval



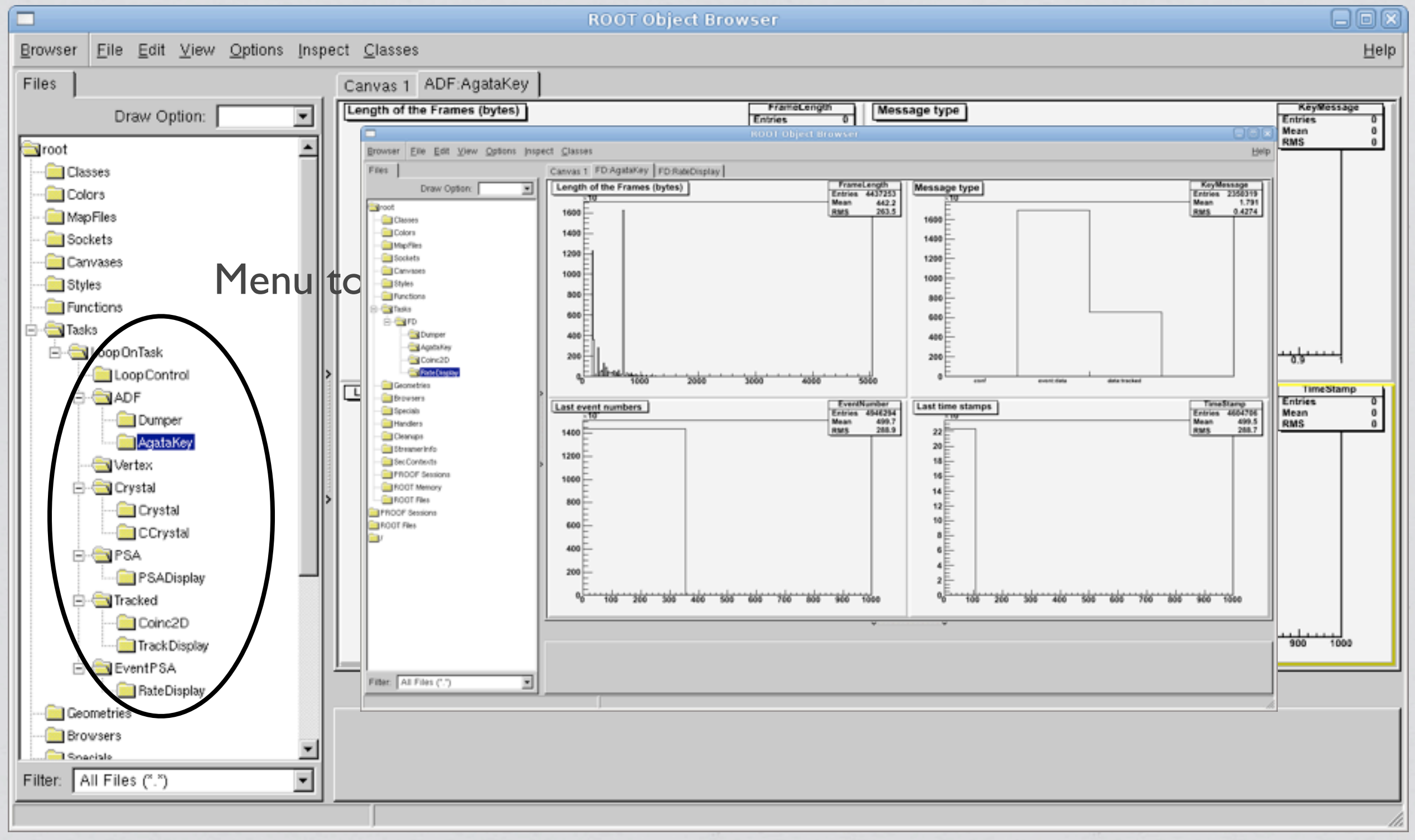
Watchers : just a task on data !

- ▶ Some already exist
- ▶ Easy to add informations / new watchers
- ▶ Graphical interface to interact with them
- ▶ Same online/offline !
- ▶ Convenient place for calibration/Doppler

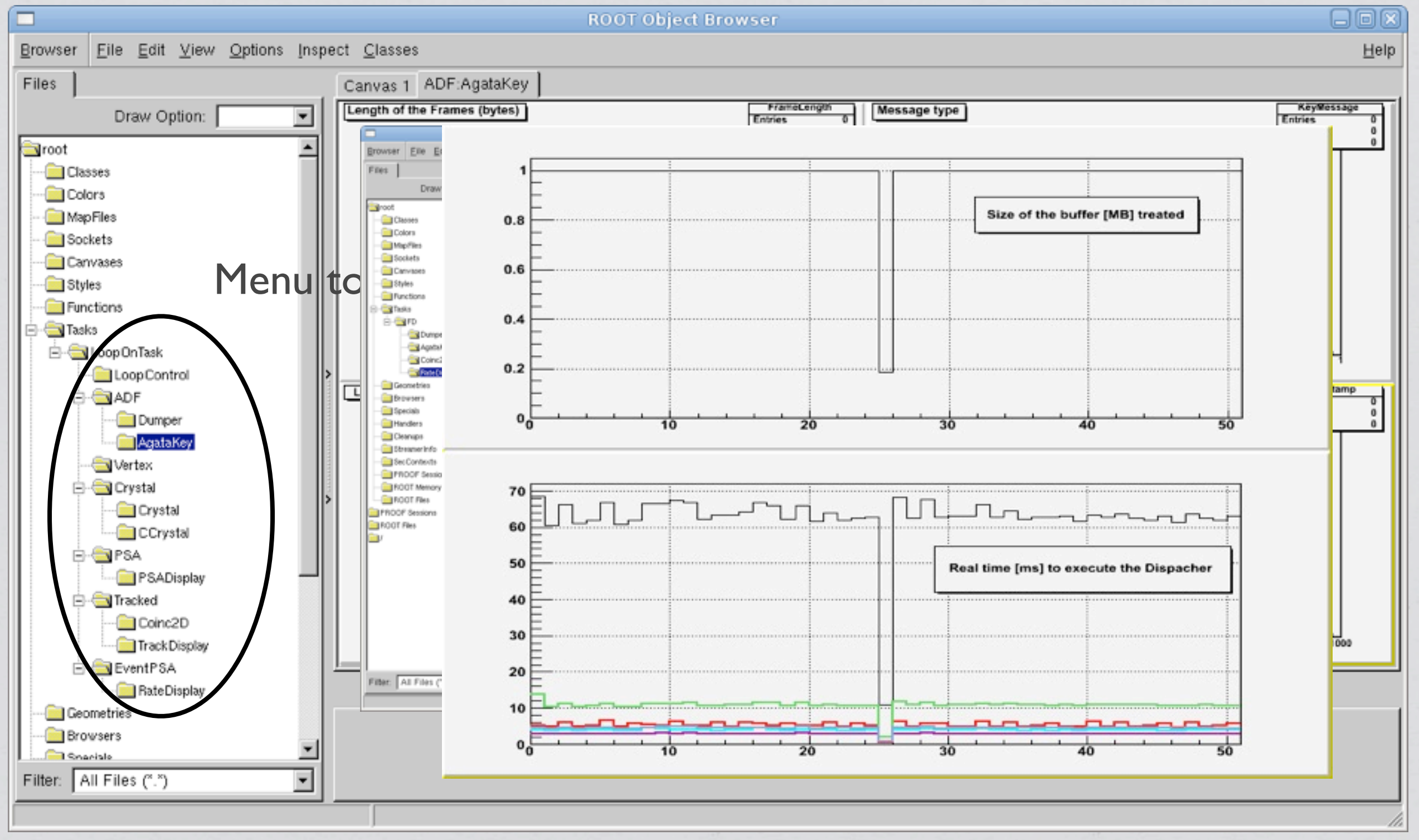
How does it look ?



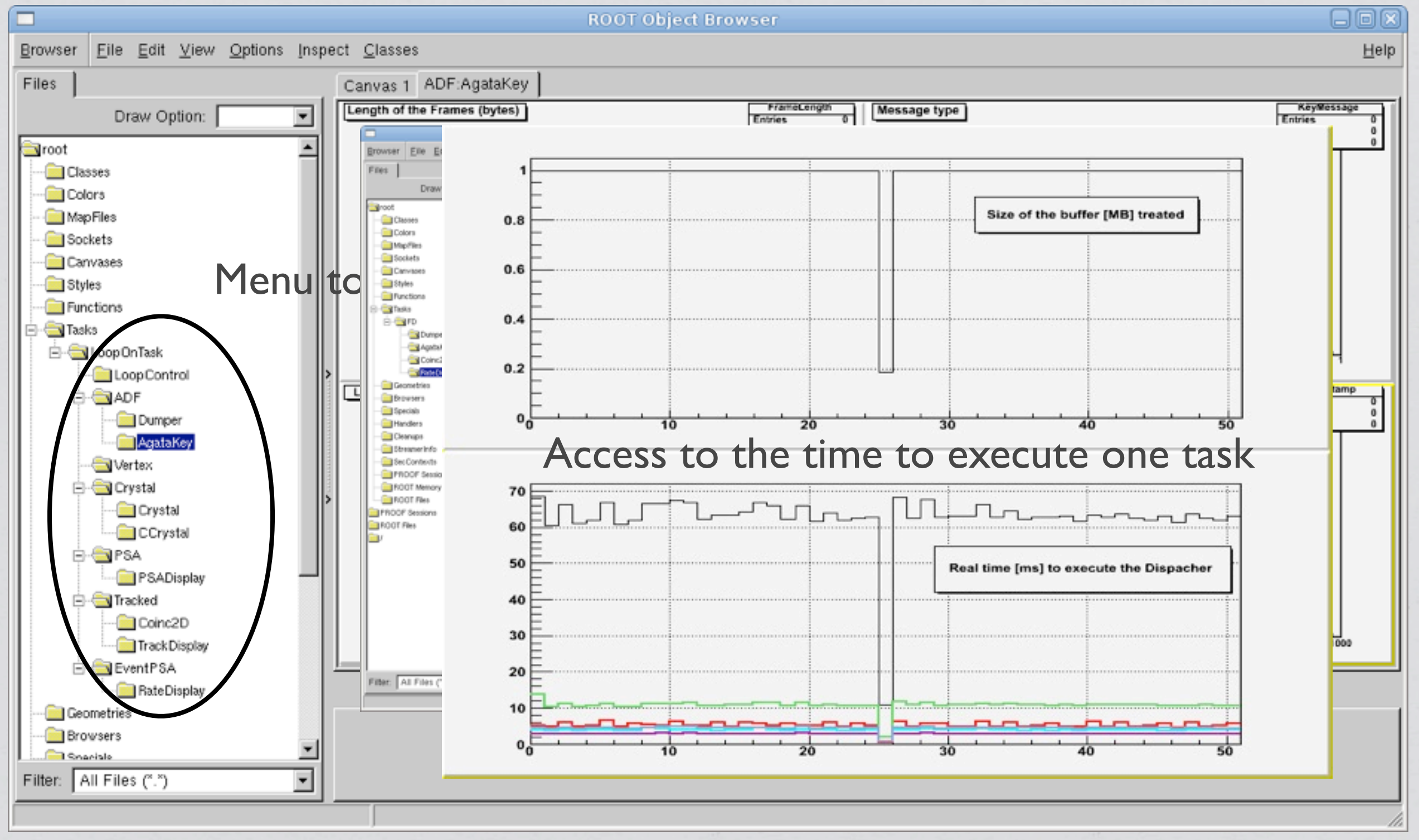
How does it look ?

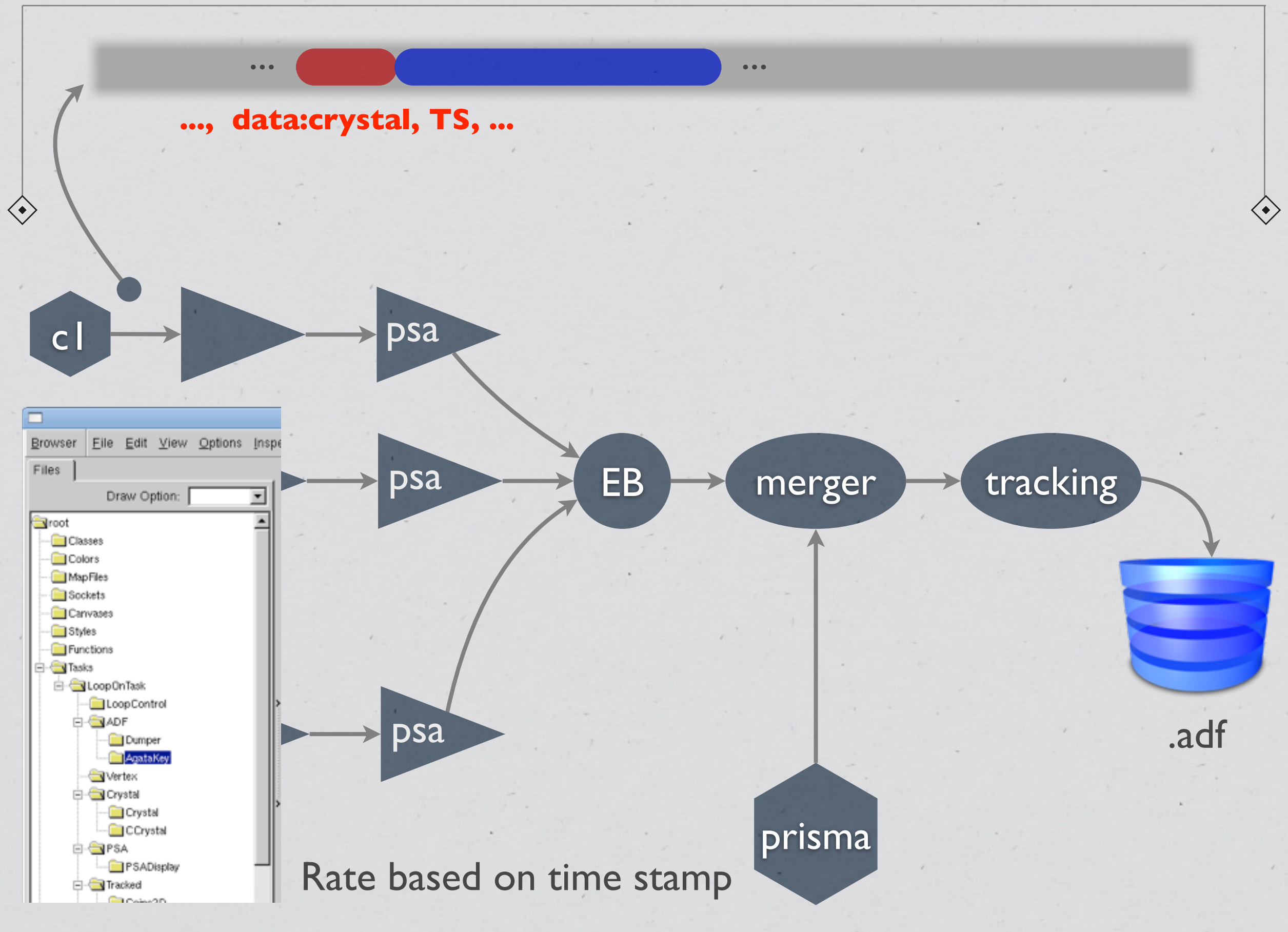


How does it look ?



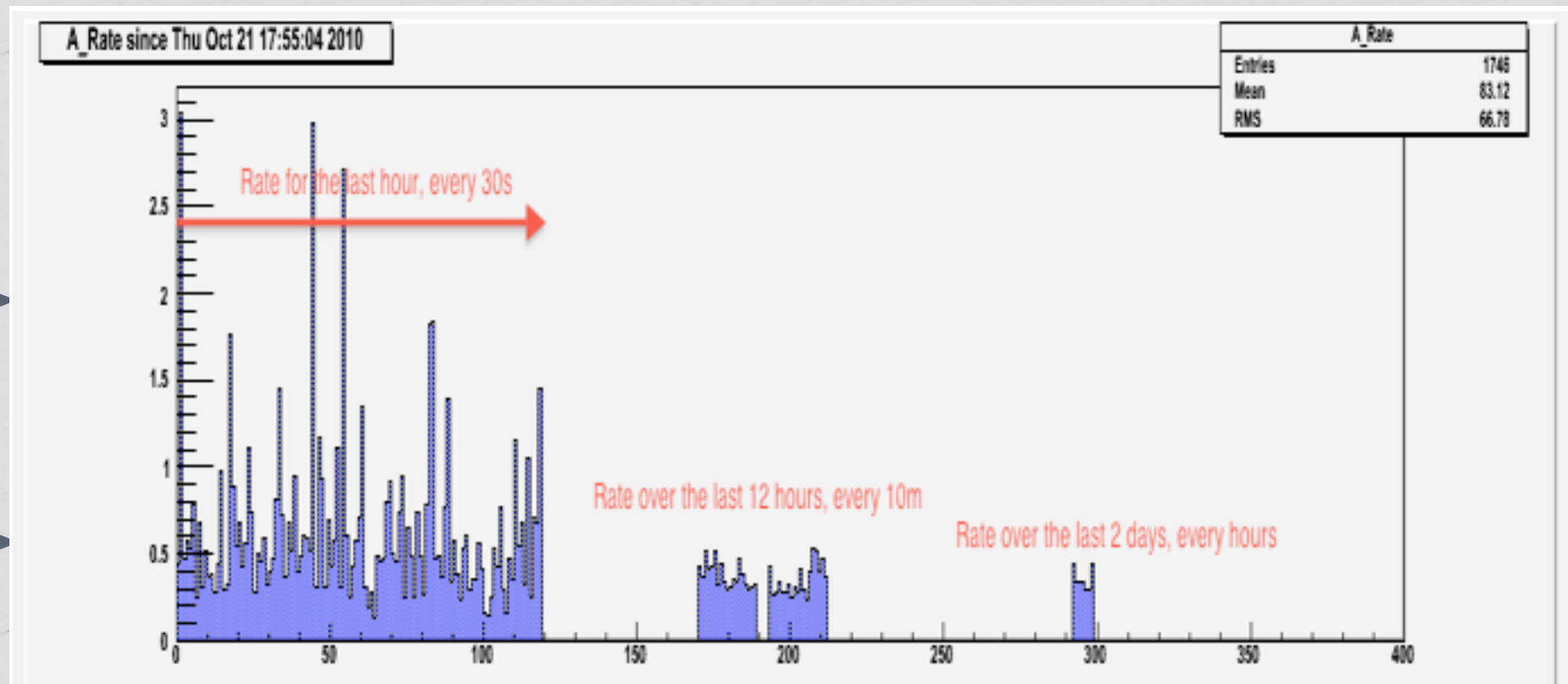
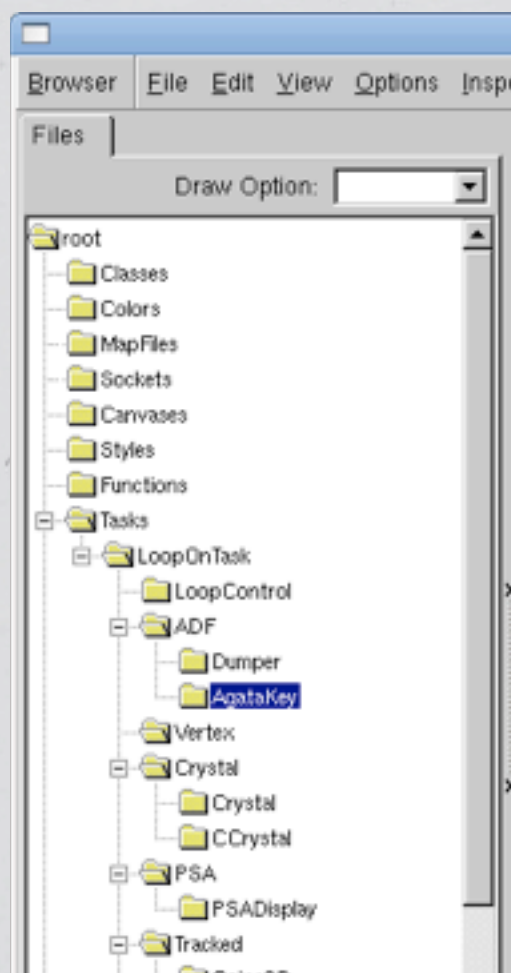
How does it look ?





..., data:crystal, TS, ...

cl



psa

Rate based on time stamp

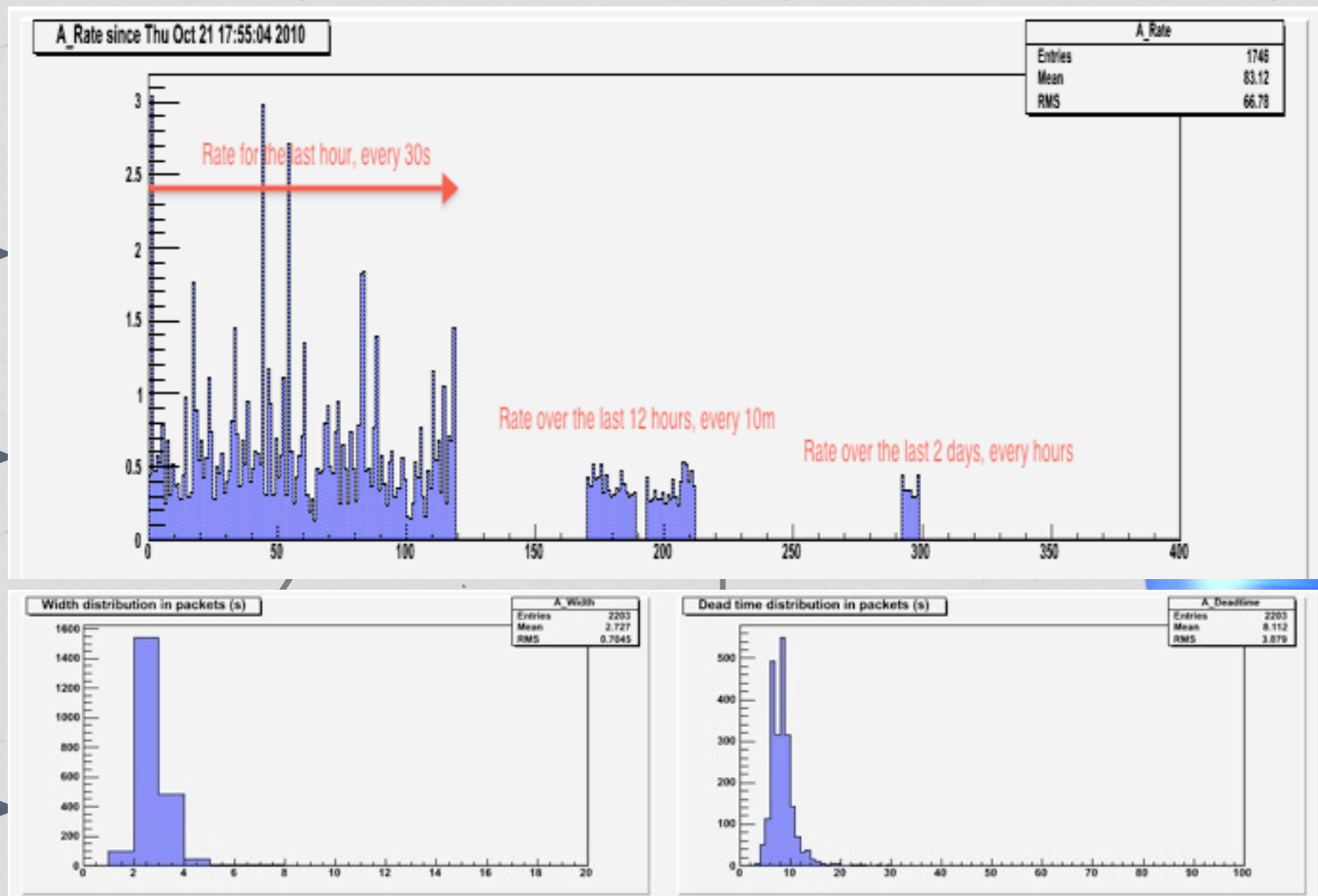
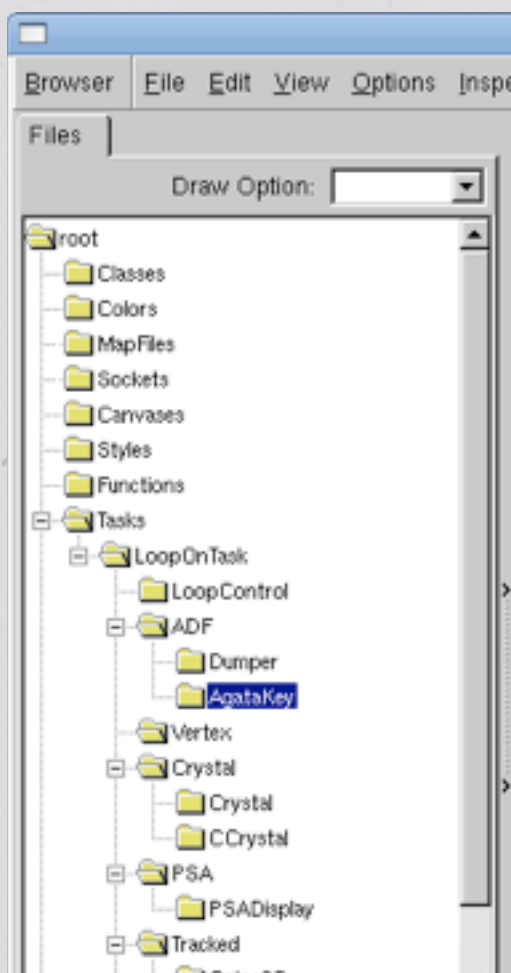
prisma

.adf



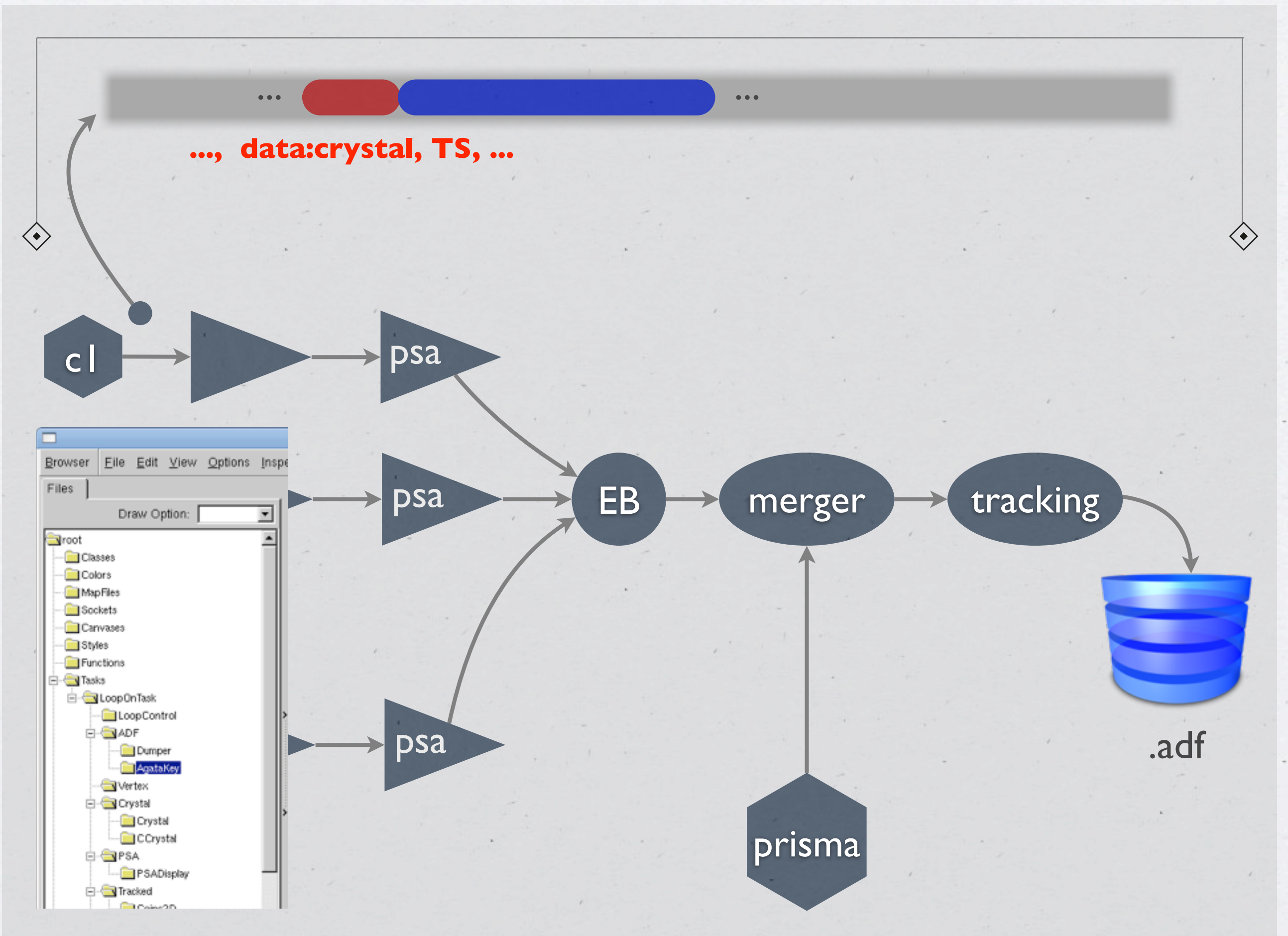
..., data:crystal, TS, ...

cl

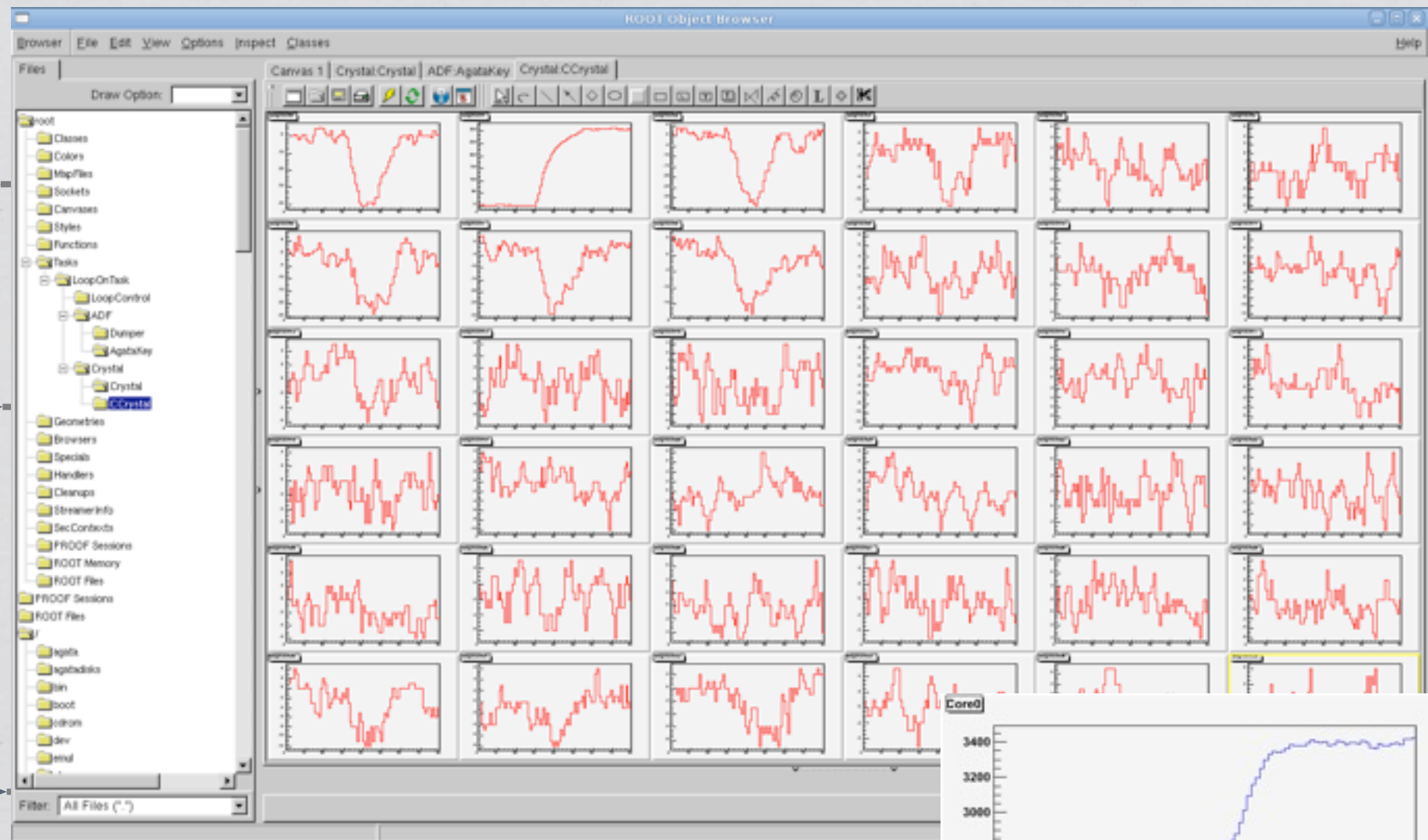
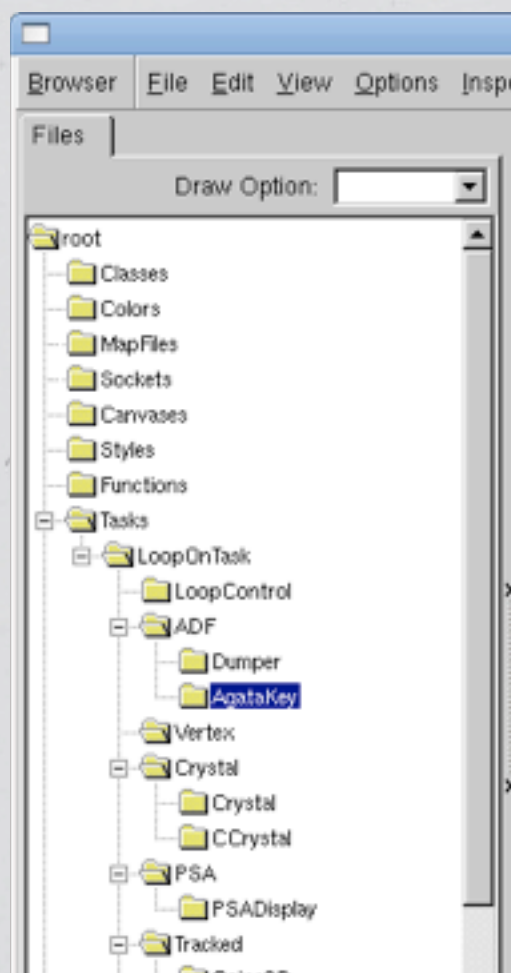
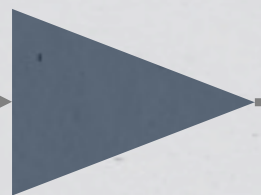


prisma

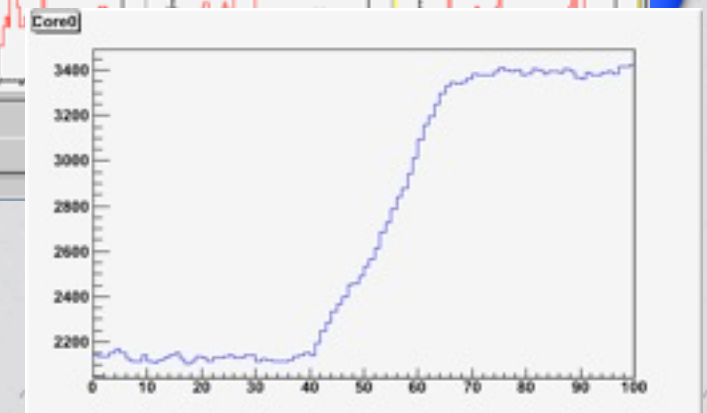
Rate based on time stamp

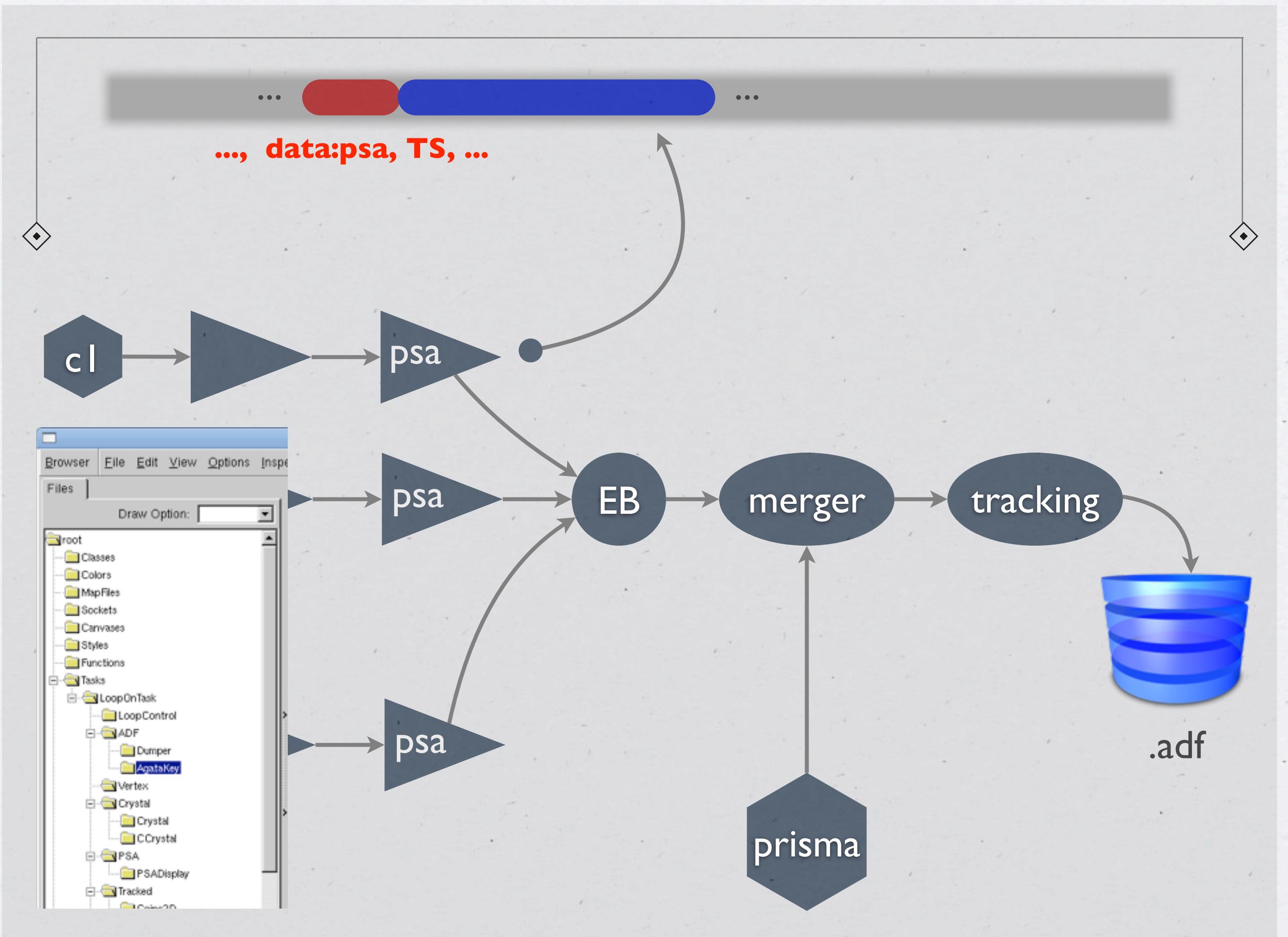


..., data:crystal, TS, ...



prisma

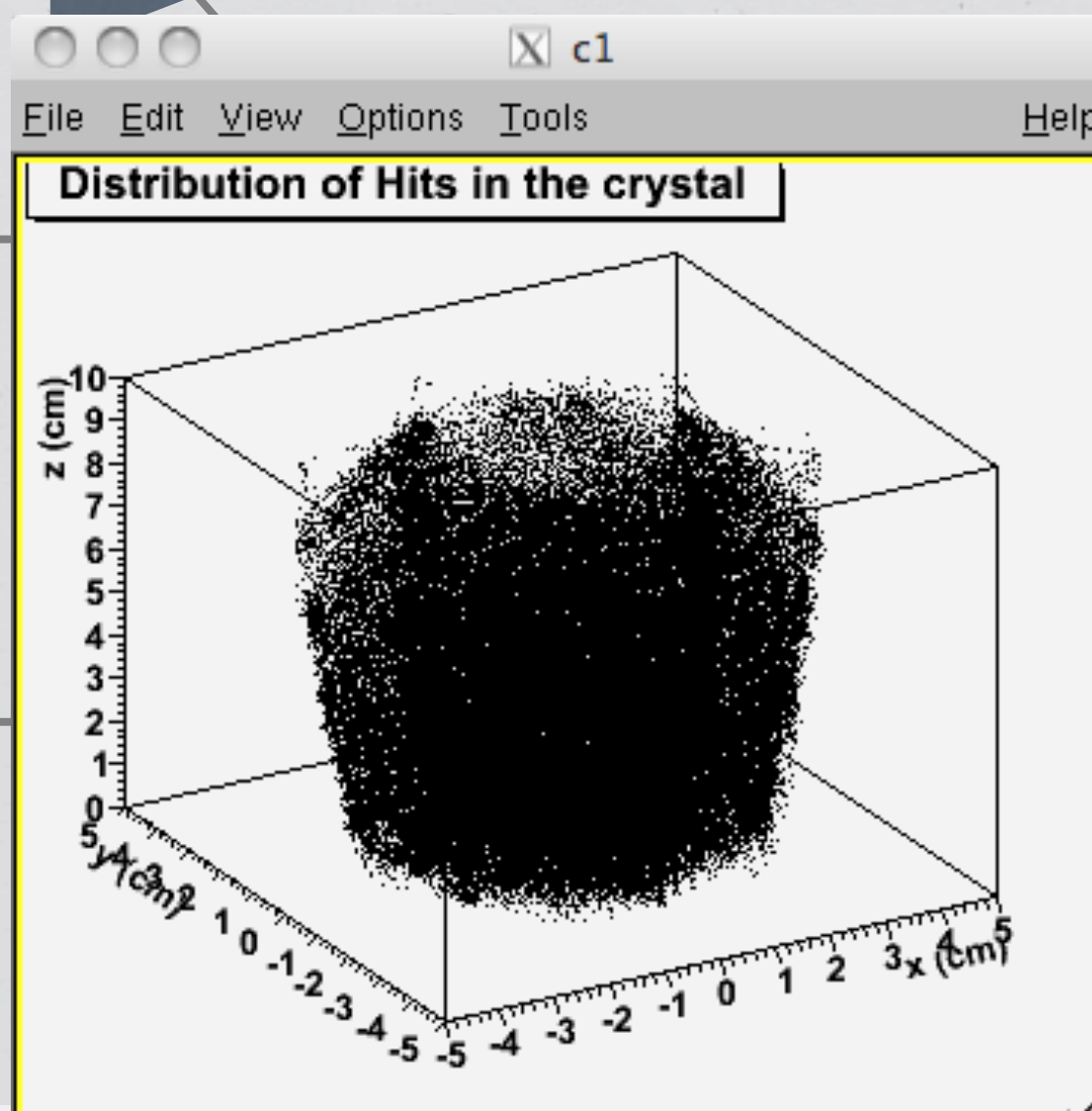
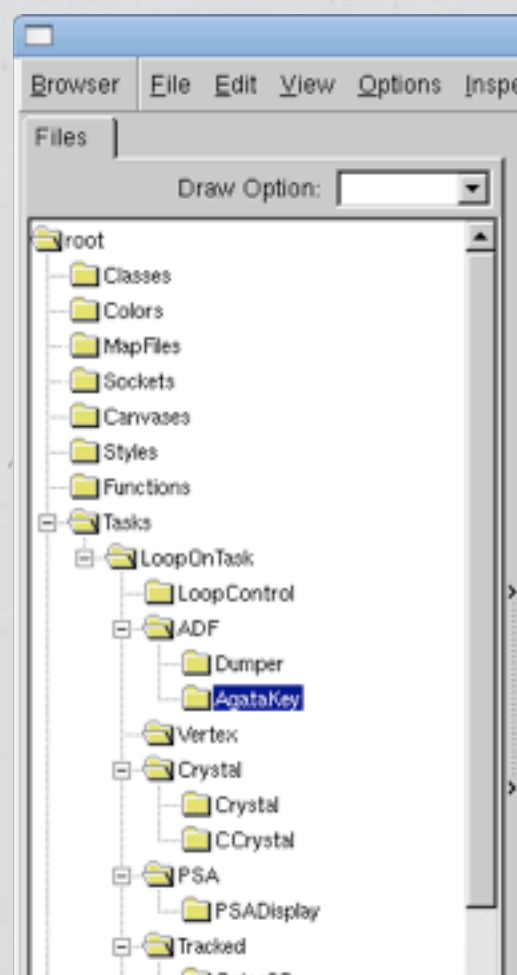




..., data:psa, TS, ...

cl

psa



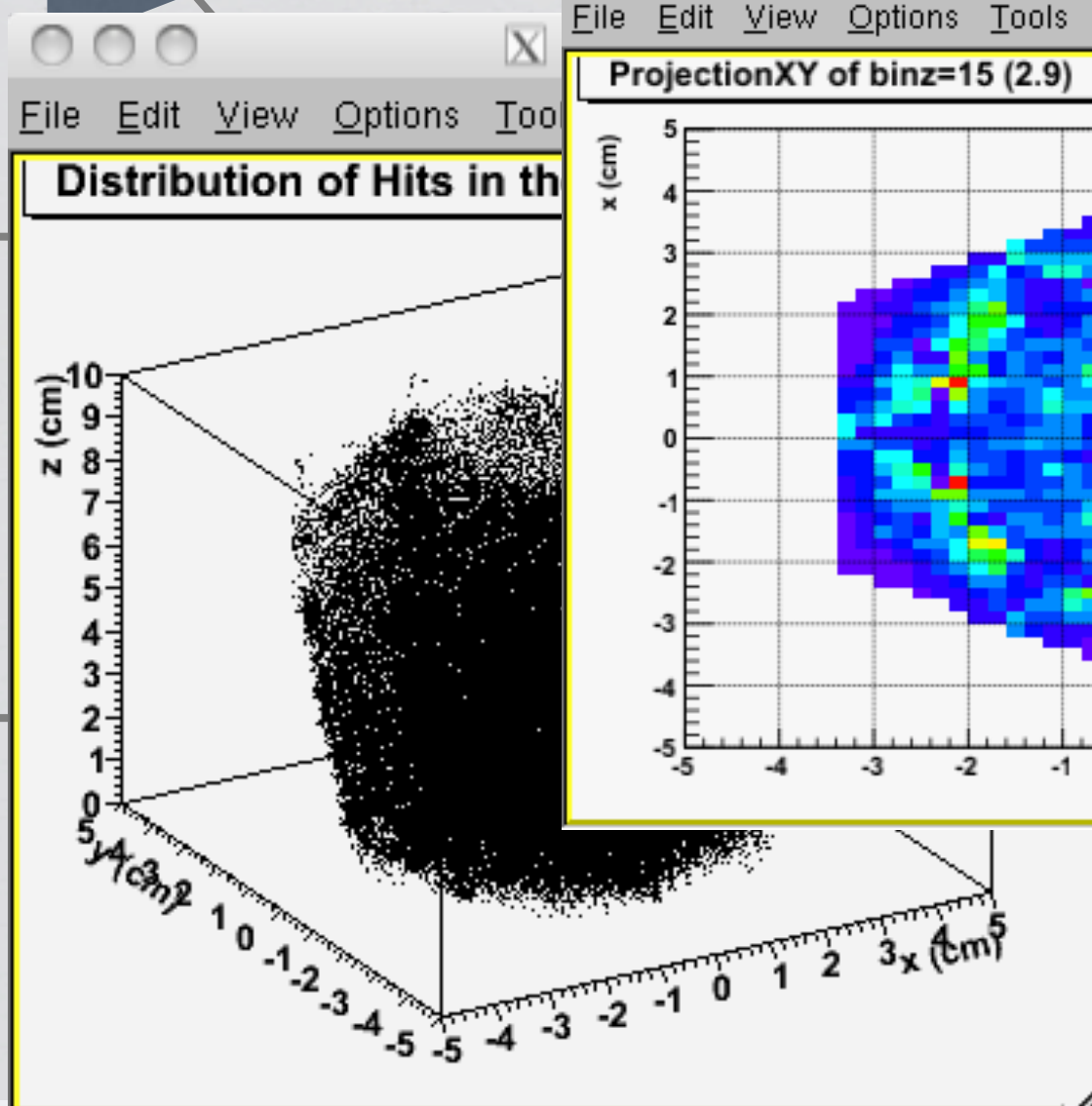
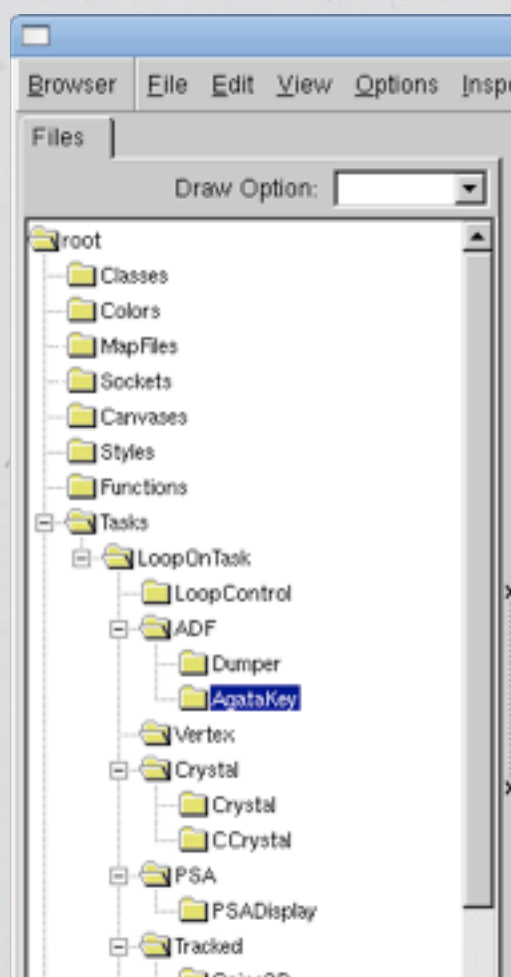
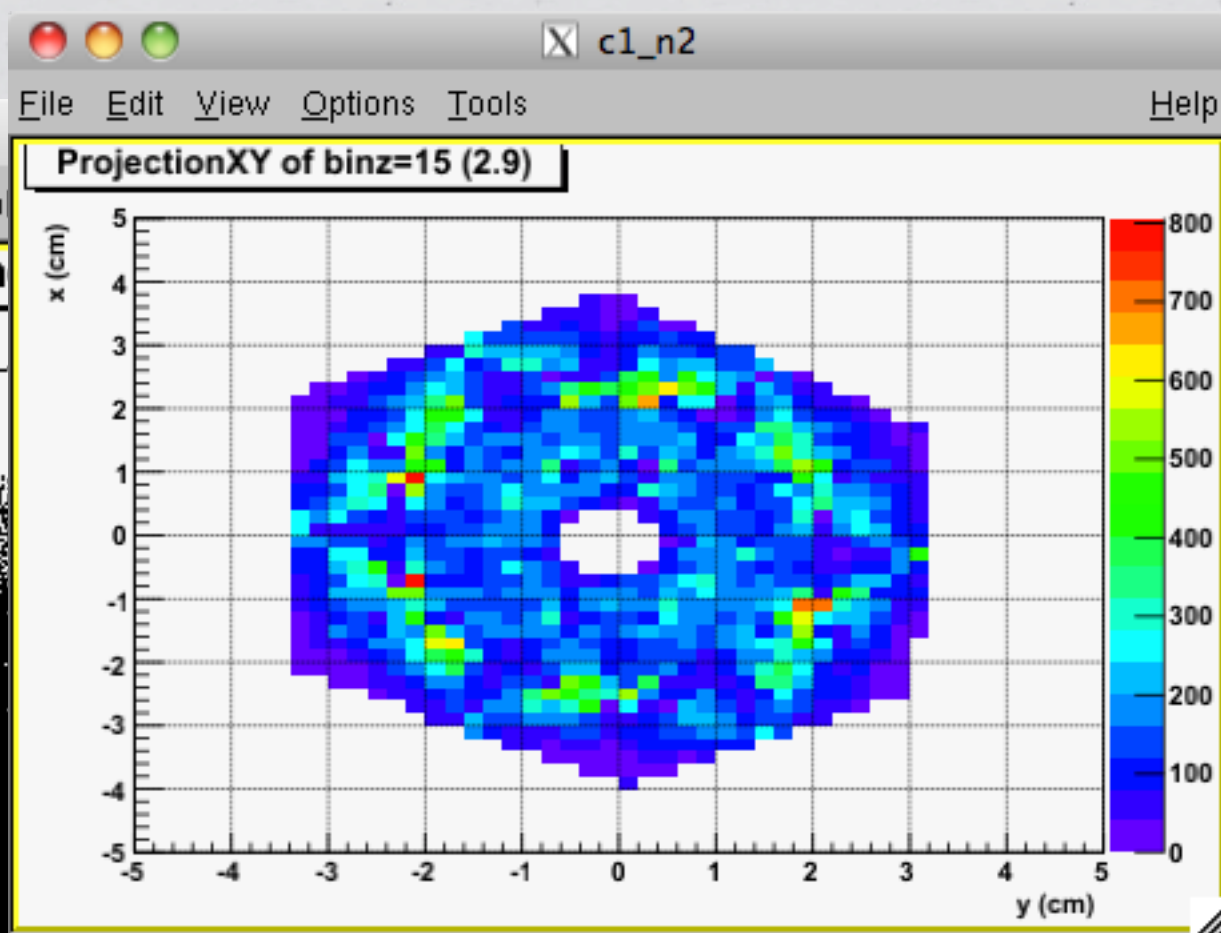
tracking

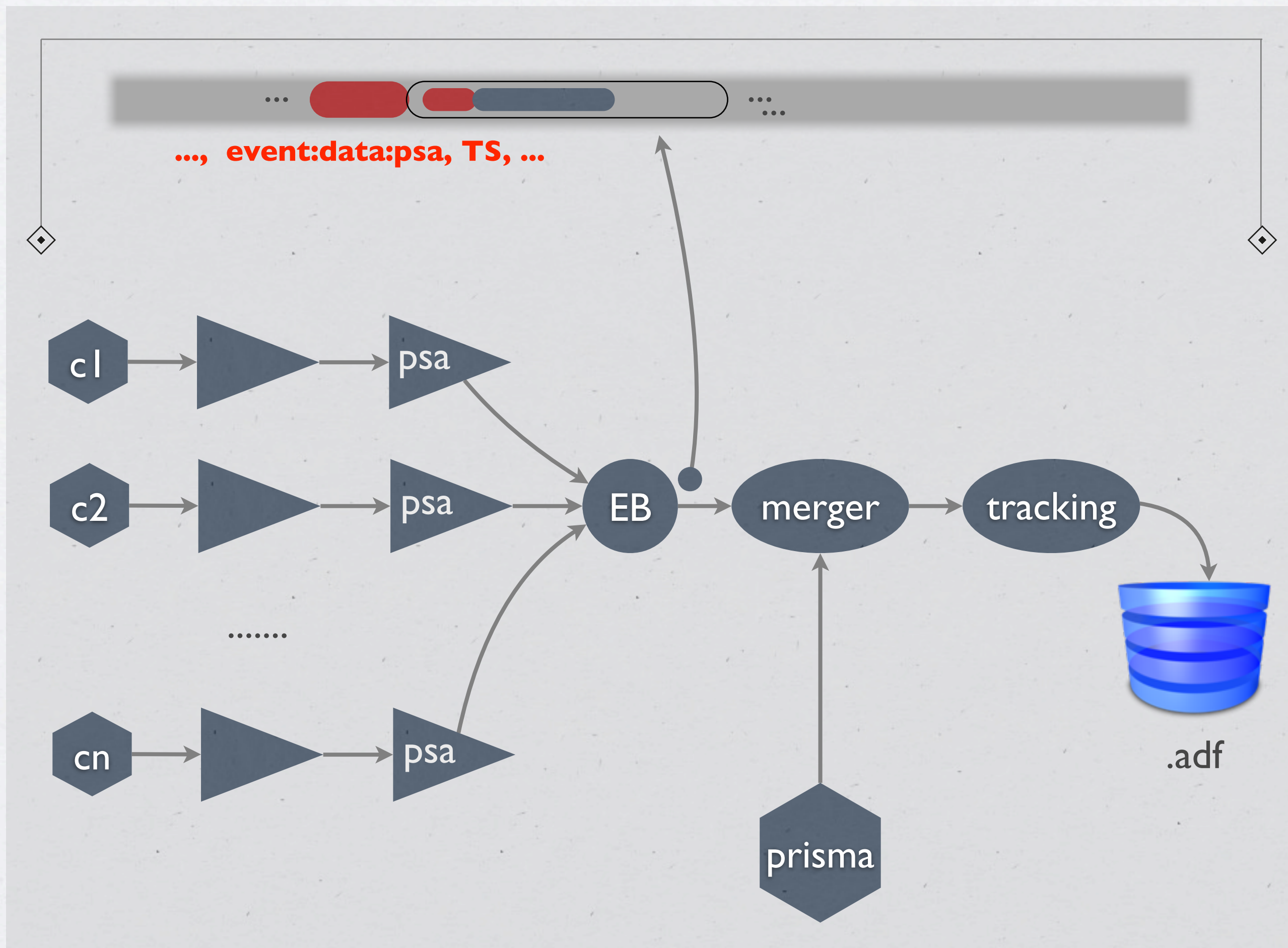
.adf

..., data:psa, TS, ...

cl

psa



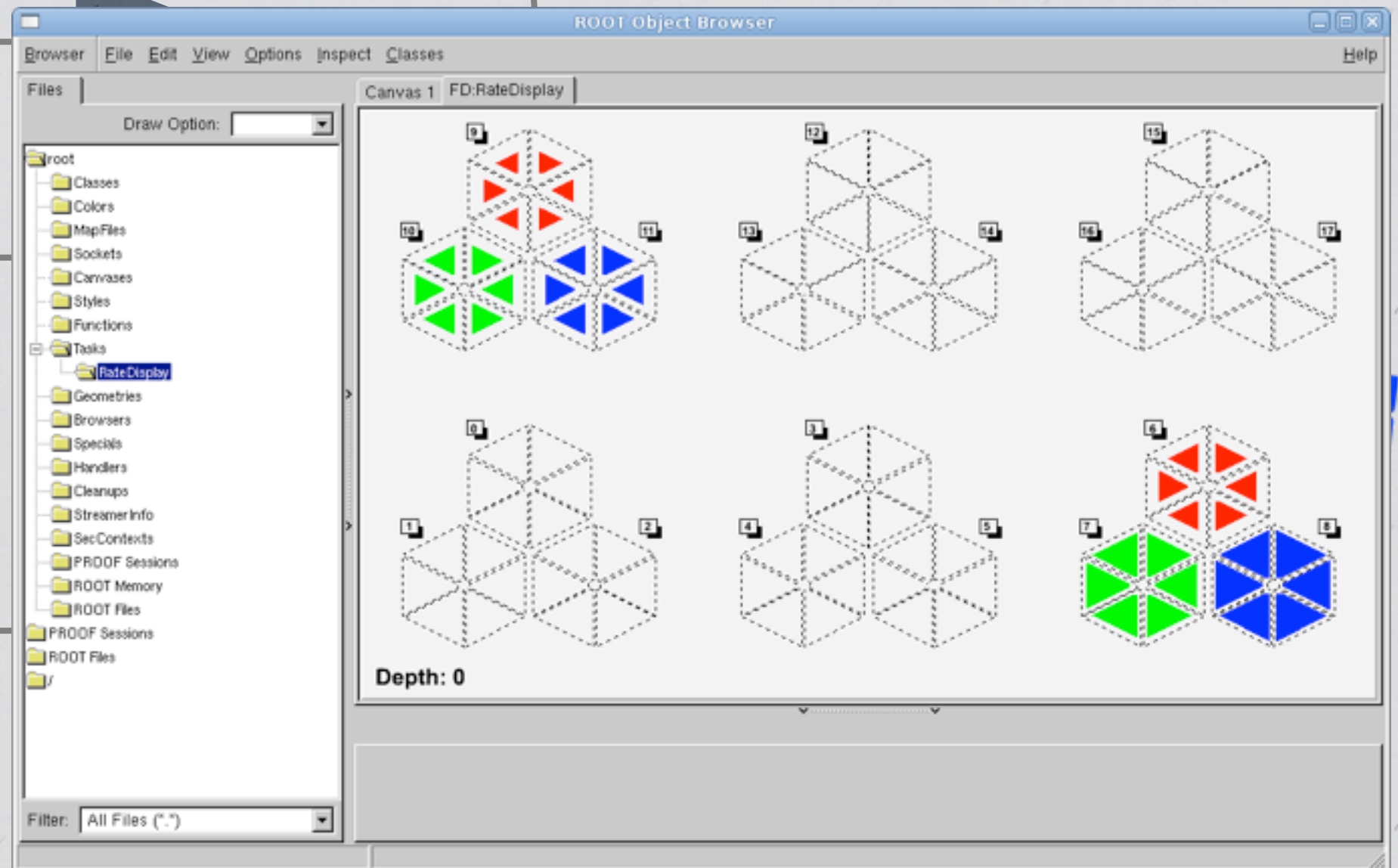


..., event:data:psa, TS, ...

c1

c2

cn

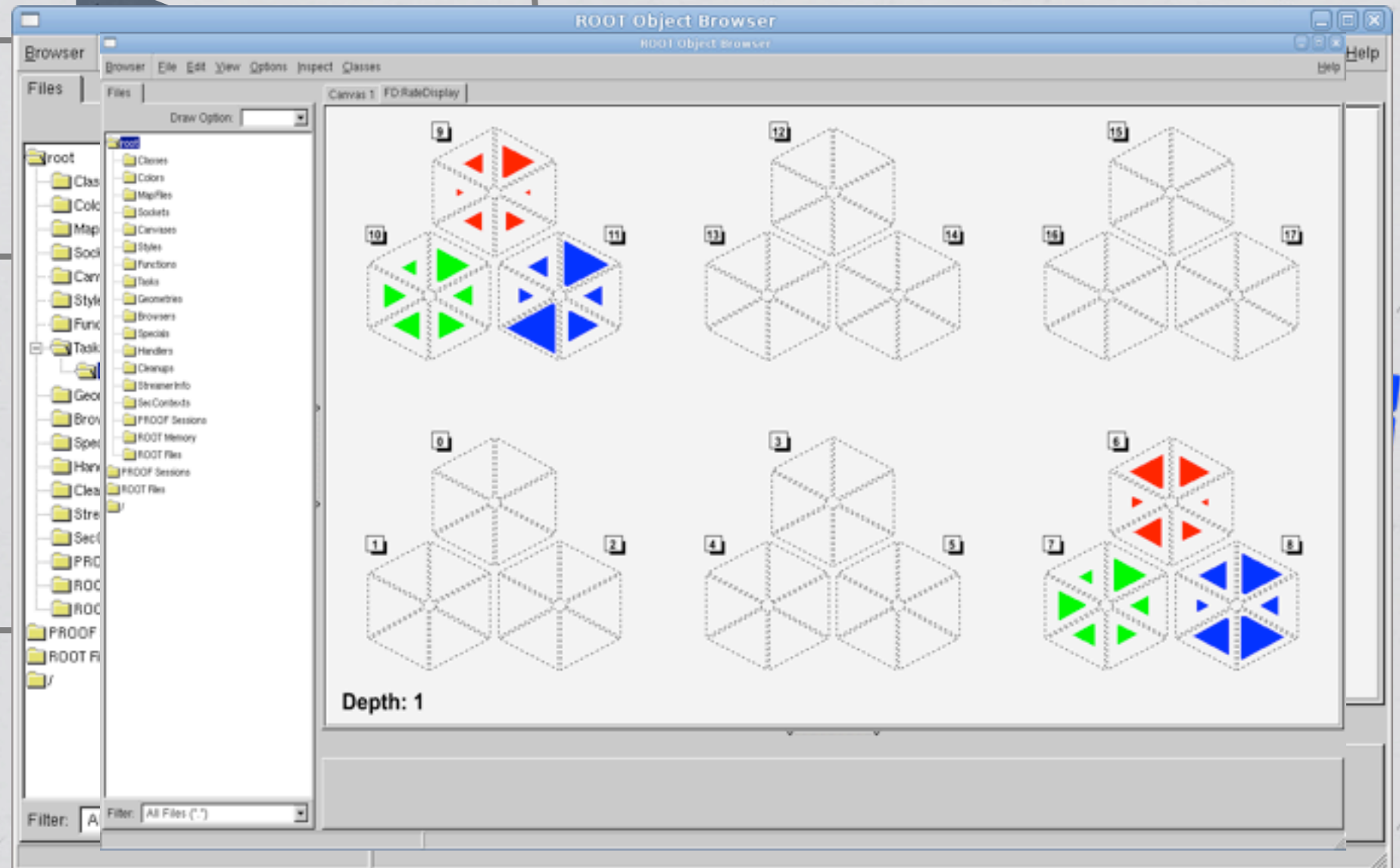


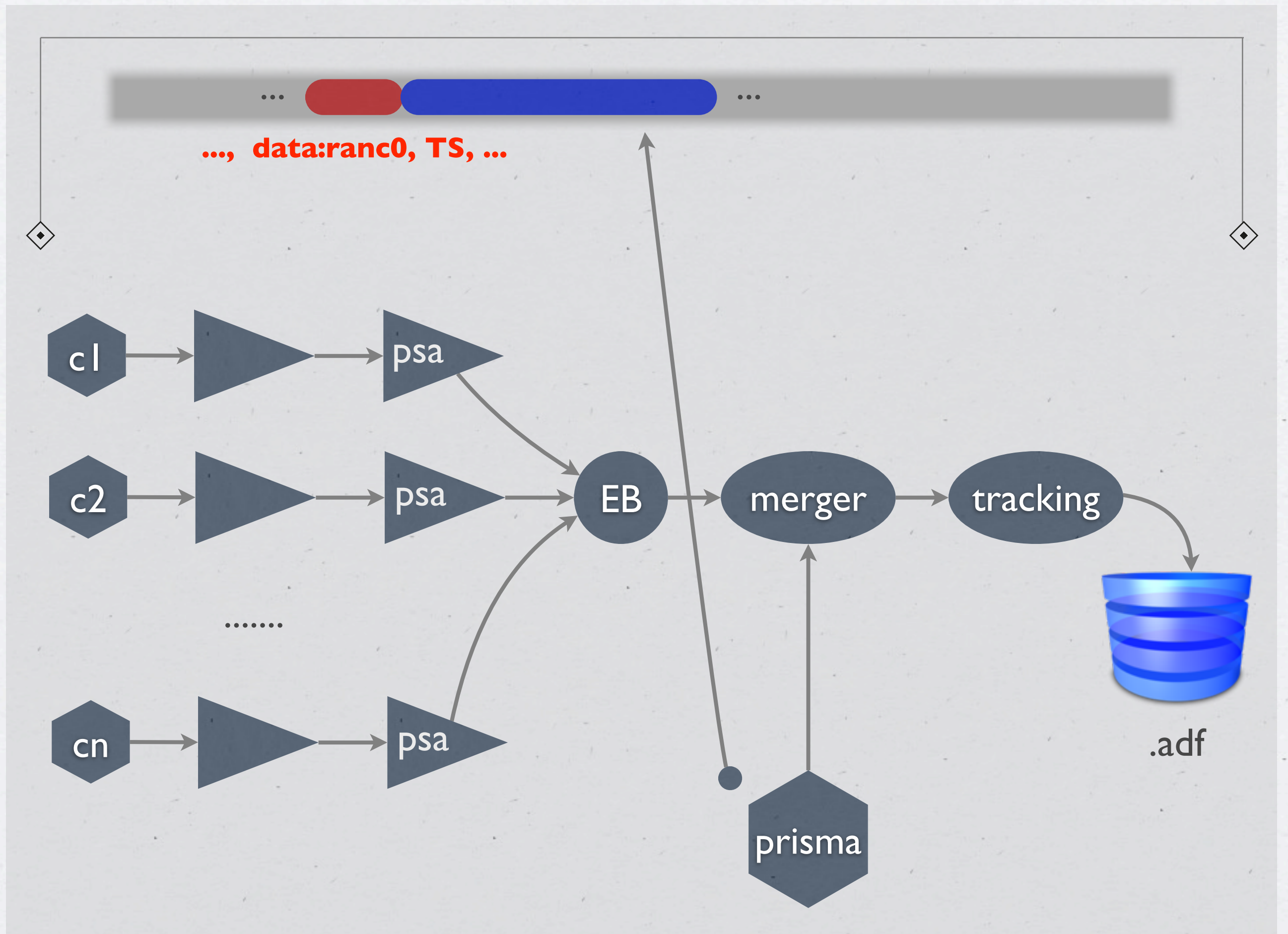
..., event:data:psa, TS, ...

c1

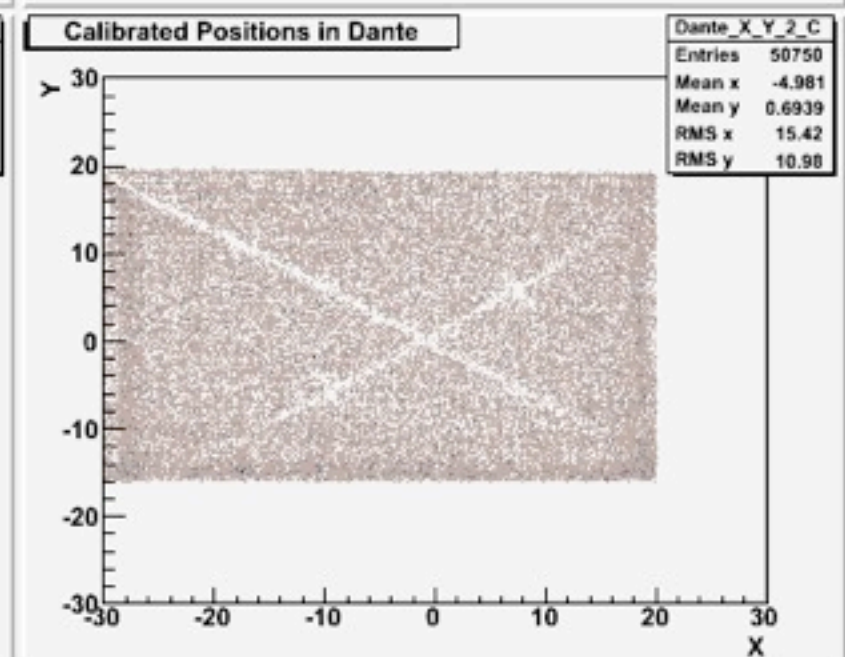
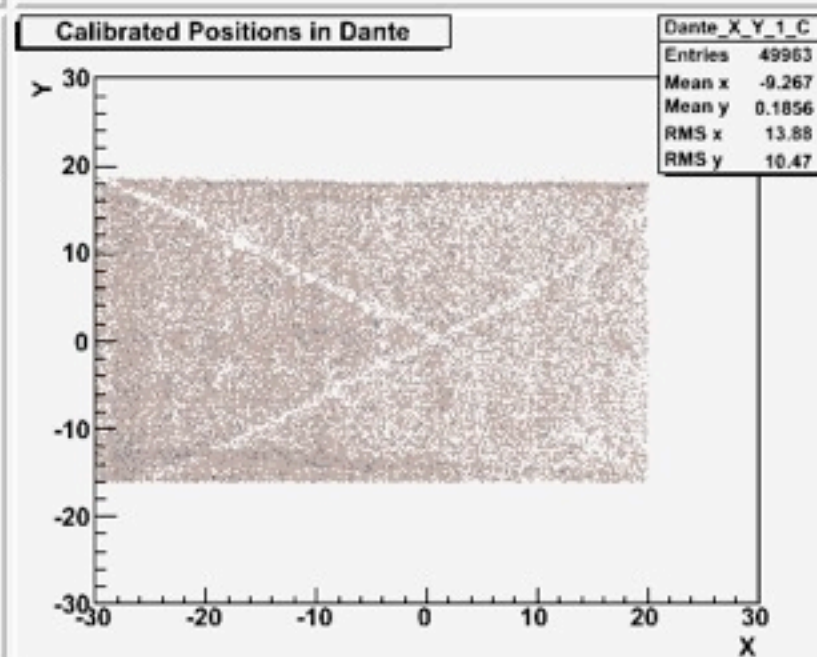
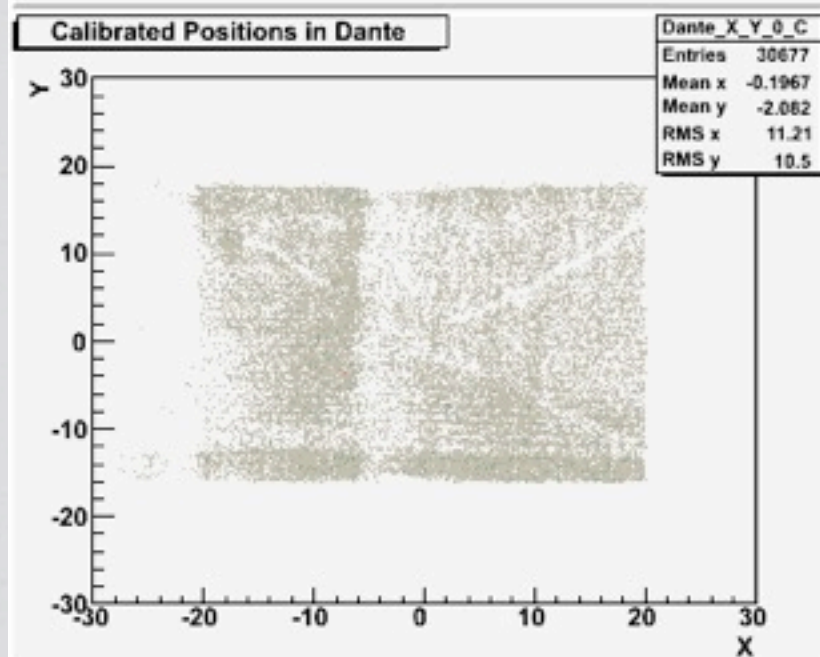
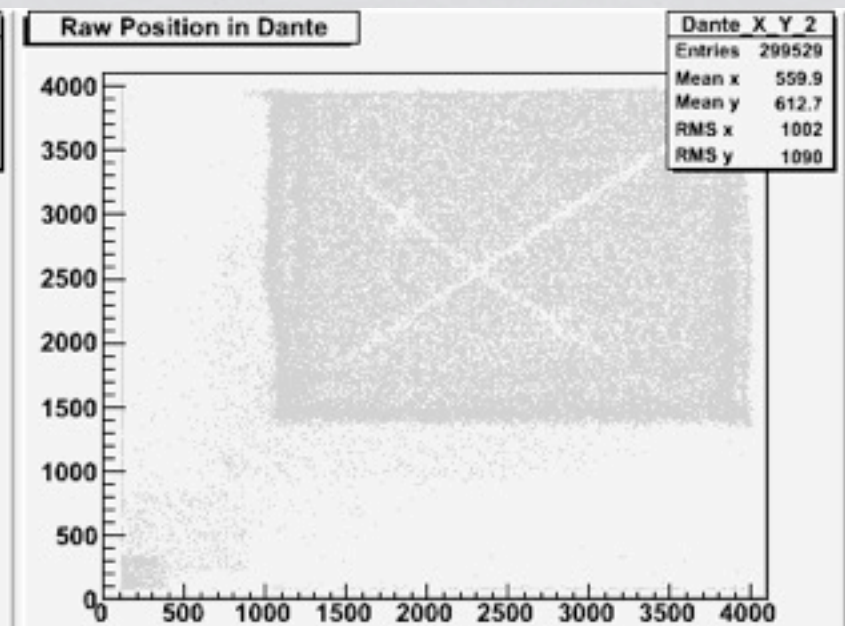
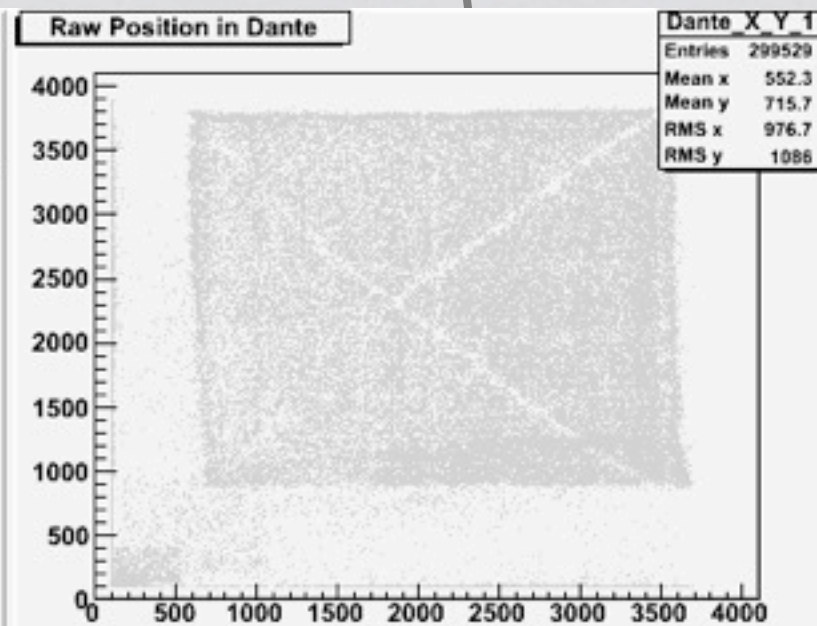
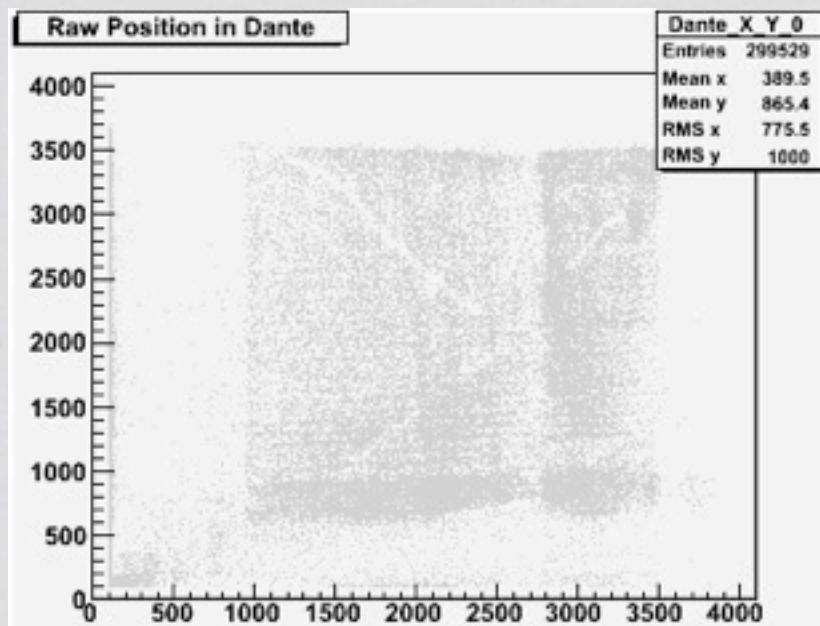
c2

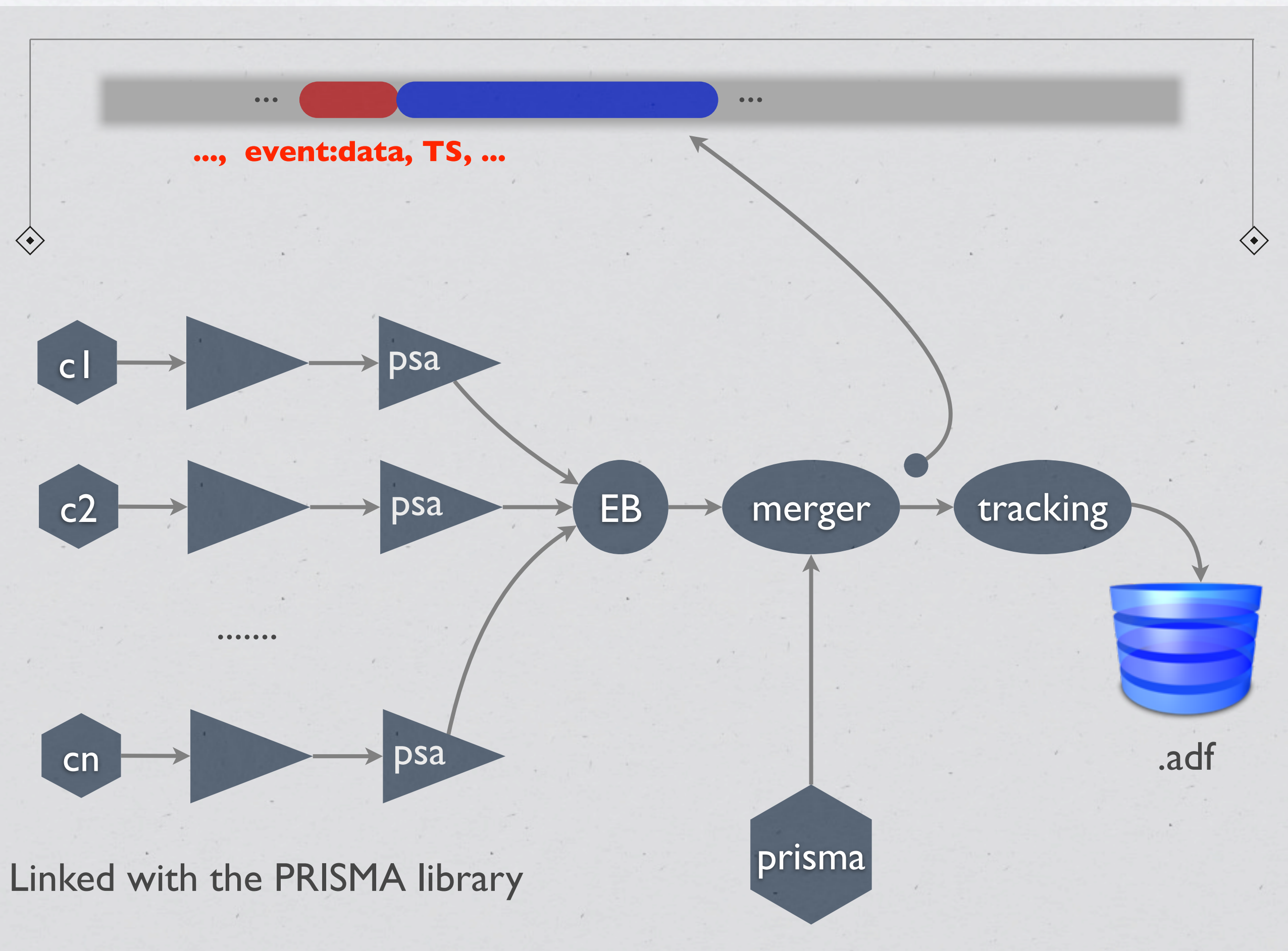
cn





..., data:ranc0, TS, ...





..., event:data, TS, ...

c1

c2

cn

psa

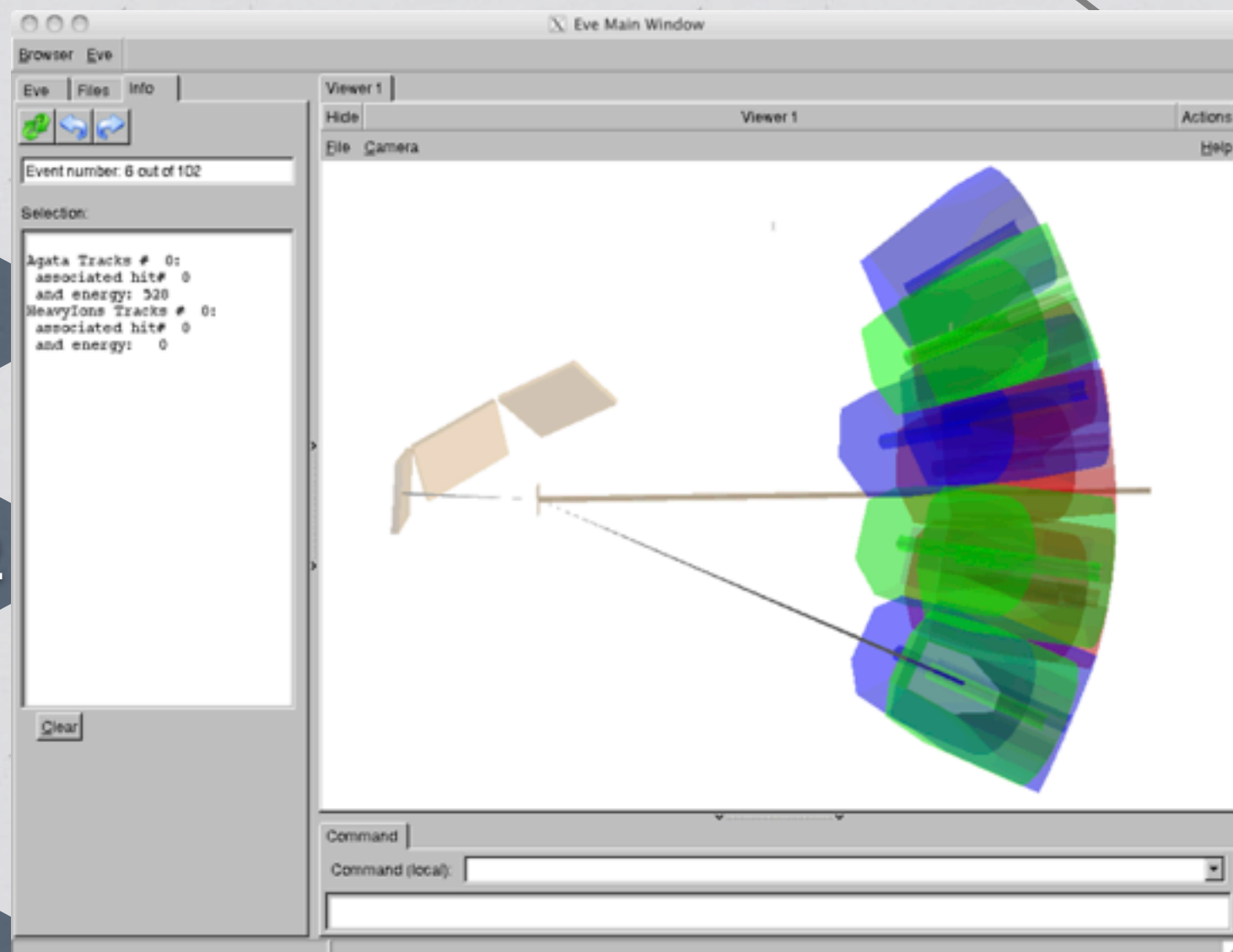
prisma

Linked with the PRISMA library

er

tracking

.adf



..., event:data, TS, ...

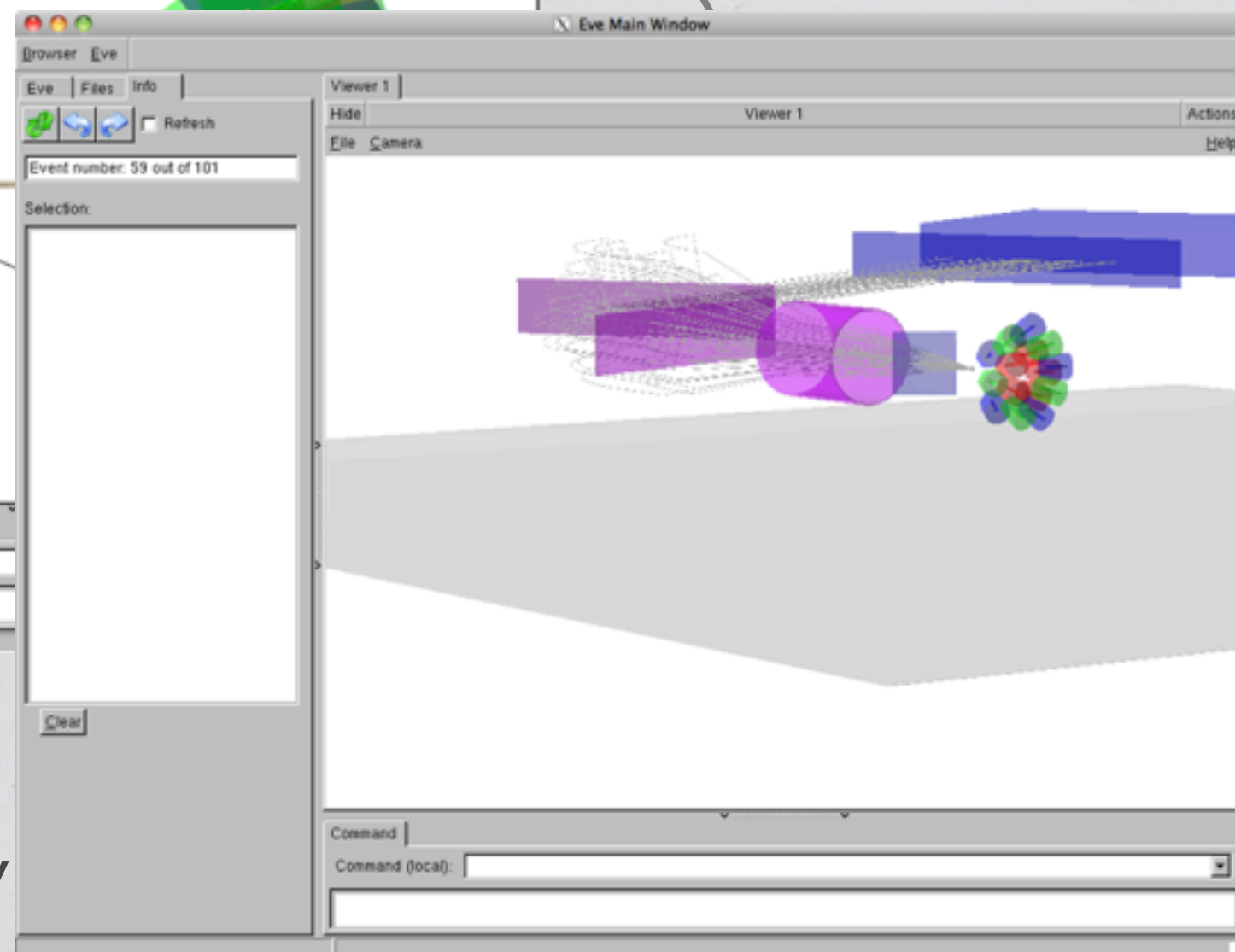
c1

c2

cn

psa

Linked with the PRISMA library



..., event:data, TS, ...

c1

c2

+ Time distribution ancillary/agata to check for coincidences

cn

psa

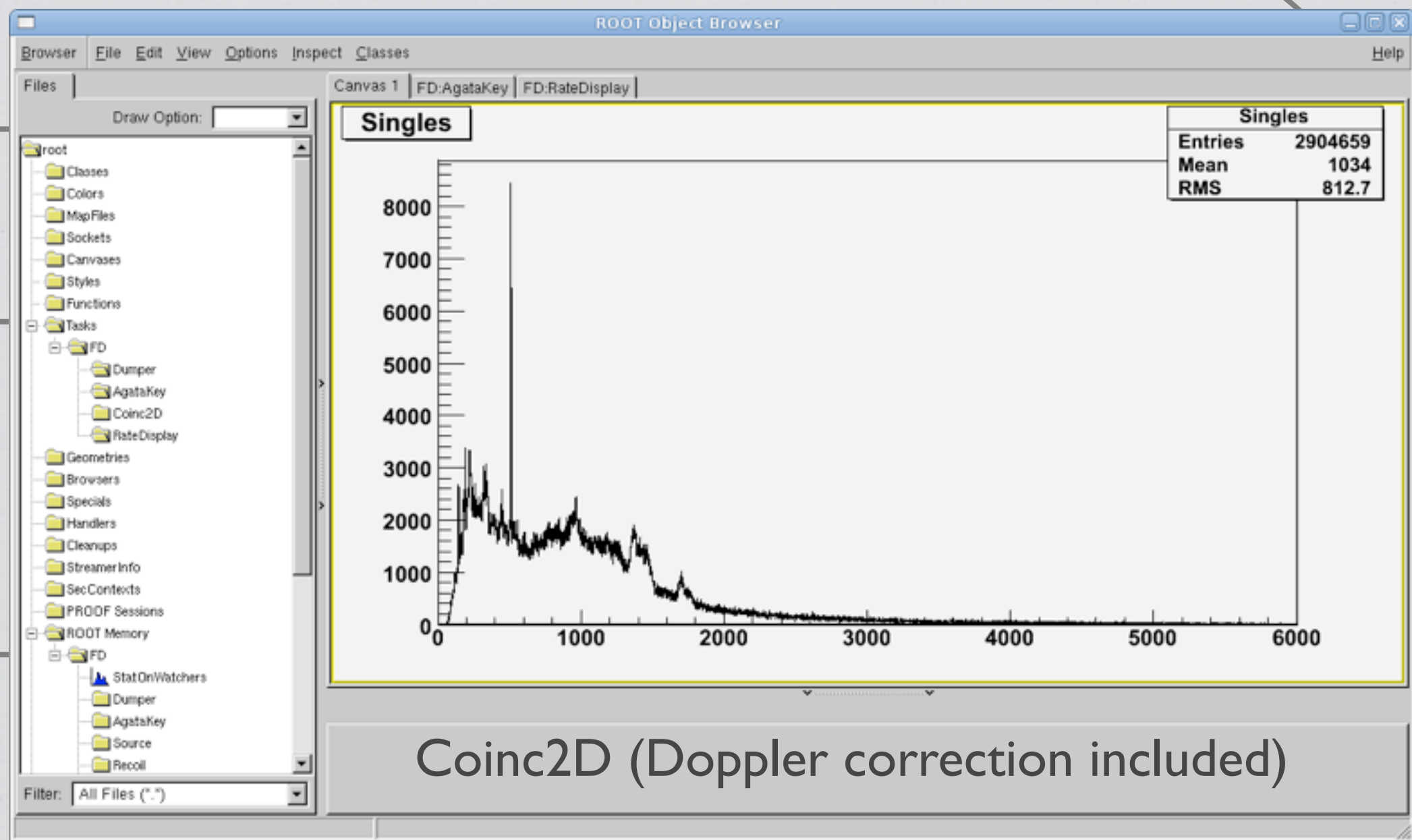
Linked with the PRISMA library

..., event:data, TS, ...

c1

c2

cn

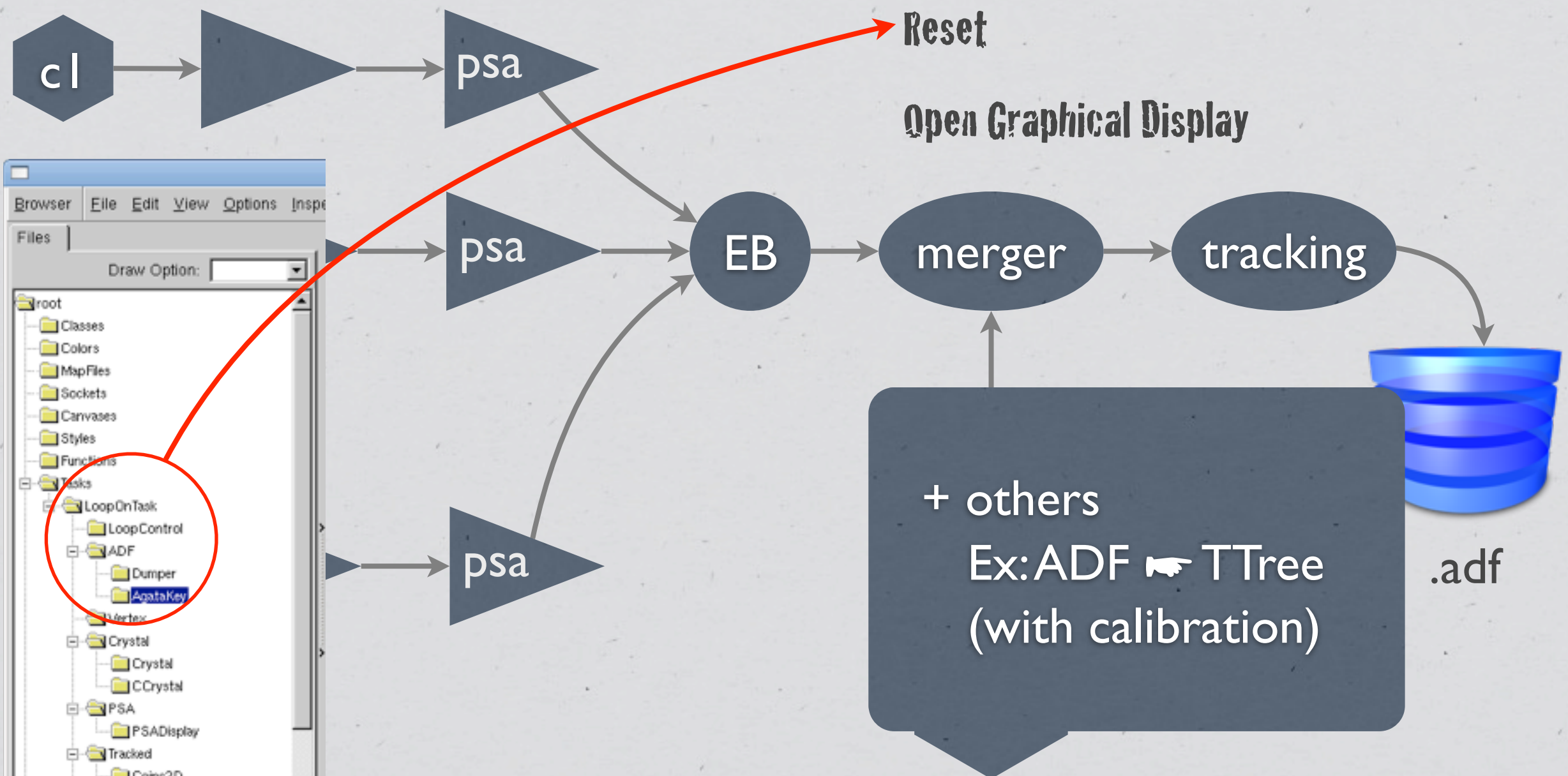


df

Features in a very near future

Global actions:

Save all spectra in a root file (every hour)



Just ADF

Move to first official version of the data (Frame) structure : Version (0,0)

(errors not treated so far, no need to have them to 0 in the data flow)

Slight redefinition of the event:data type (to extend the system event:data:crystal)

event:data:psa 0xFA8102 instead of 0xFA010103

+ tests to see backward compatibilities

We need to have a versionning policy for ALGORITHMS !

Discussions with Joa

