Code streamlining

Comsol?

On the fly monitoring

Raw physics data (HDF5?)

Raw calibration data: SOLM, Reflectivity (HDF5?)

Other data: T, B, meta (txt is fine)

Connectors to be rewritten when data format changes

Some JSON file defining how to combine data
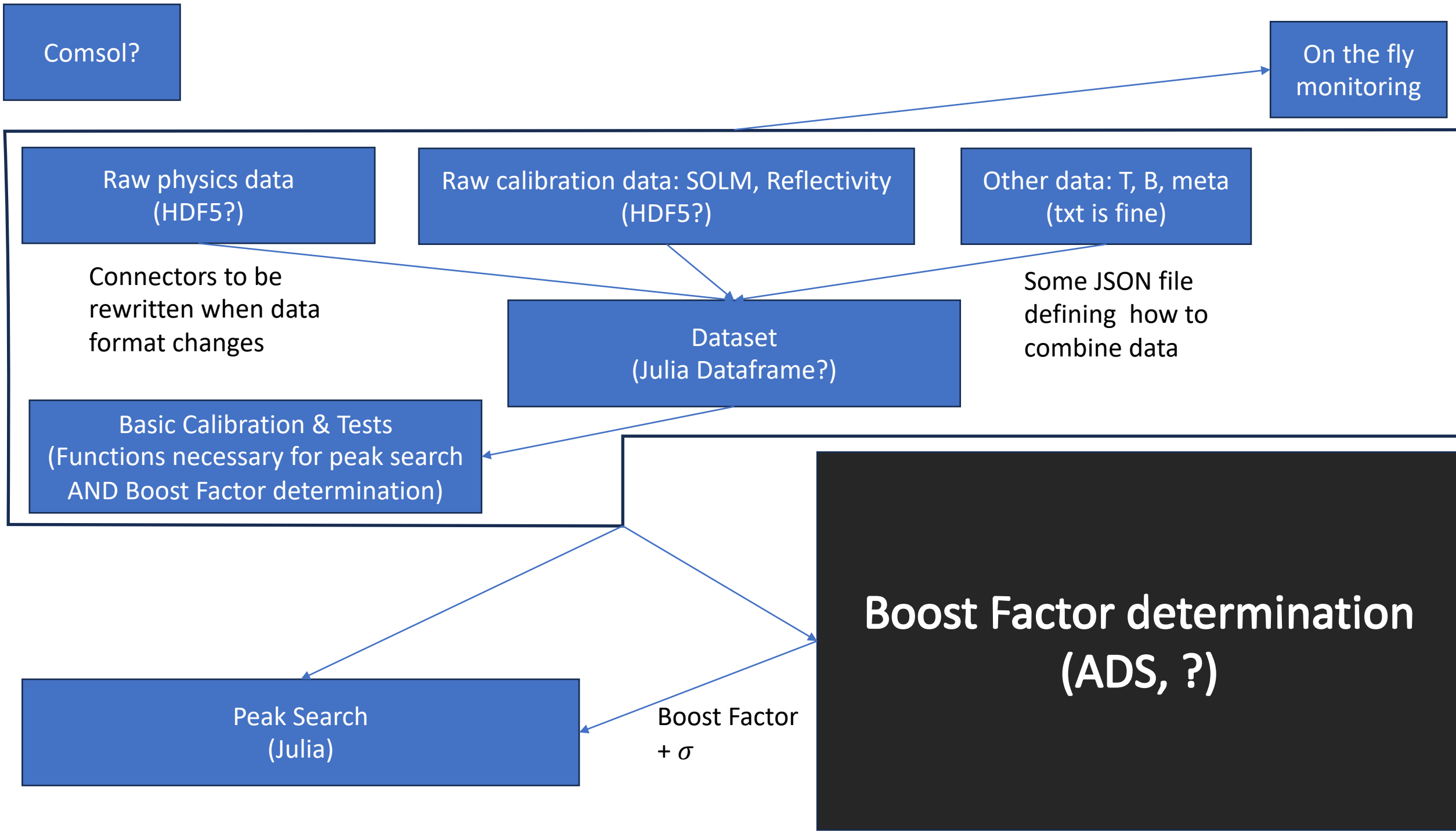
Dataset (Julia Dataframe?)

Basic Calibration & Tests (Functions necessary for peak search AND Boost Factor determination)

Boost Factor determination (ADS, ?)

Peak Search (Julia)

Boost Factor + σ

Existing Codebase

- Bayes4MADMAX (Julia, Peak Search, but no exclusion limits and not frequentist, simulate data, read/ write, data handling)
- Gaussianity Tests (Julia, distributed scripts, need cleaning and modification of inputs)
- MADMON (Python, script, read/ write, monitor, basic tests)
- David: Gitlab repository for ADS stuff
- Vijay?

Keep in Mind/ Open Questions

- Put all repositorys to Gitlab (w DESY accounts, create organization -> David)

- Save intermediate processed data? (calibrated, bg reduced?)

- Define exact interfaces necessary and content of Peak search and Boost Factor boxes as fast as possible -> Johannes, David

- Once detailed plan is set up talk to Oliver