CTAO Level-B requirements for the SAT

Context

- For the SDC, the data release and the SAT release will be openly accessible

  → CTAO needs to have its first SAT release before the SDC
- CTAO & Gammapy have agreed that the full process of IKC acceptance is unreachable

  → Use of a `gentleman agreement' between Gammapy & CTAO to use the Gammapy library for the first SAT
- This first SAT will be incomplete compared to the next releases
  - Some features will not be in (e.g. provenance, RTA, data model, automatic DL4→6 pipelines)
- CTAO still needs requirements/features for this first release:
  - From the SDC coordination group
  - From the Data Model group about the DL3 format (what about the DL5?) and the GTI definition
  - Using the Level-B S.U.S.S. requirements

Level-B requirements in the context of the first SAT release

- For the SAT selection process, we have reviewed where we stand
  - 95% of compliance!
- What is missing?
  - Pipeline interface for RTA and science verification frameworks → out-of-scope for this first release
  - B-SUSS-1620/1760: Event class → not be used for the SDC
  - B-SUSS-1630: Generation of HEALPIX maps → used for the SDC? Status?
  - B-SUSS-1670: exploration of the time domain (variability significance, burst search, power spectrum, search for periodicity and time lags) → Here we are not compliant!
  - B-SUSS-1750: fit with models of p and e (NAIMA) → does our API deal correctly `compound models'?
- Need to set up a roadmap for the missing features and additional tests

→ This week?