

stellar aberration status

Implementation of stellar aberration

See the [sci ops talk](#):

Update 4/15/2008

- `astro::GPS::aberration()`:
for given position in the sky, return correction. Used by `toSky` and `LATdirection`
- `astro::GPS::enableAberration(bool set)`:
must be called to enable inclusion of the aberration. Invoked by `FluxSvc::`
- `astro::GPS::toSky()`
for converting LAT coordinates to celestial: apply aberration if enabled. Used by:
 - `AnalysisNtuple::McCoordsAlg` (HEAD only)
 - `AnalysisNtuple::ObfCoordsAlg` (HEAD only)
 - `AnalysisNtuple::FT1Alg` (since GR v13p9)
- `astro::GPS::LATdirection()`
Used by simulation to generate the LAT direction given an celestial coordinate. Should be used by
 - `flux::FluxSource` -- not implemented!
 - `flux::SourceDirection` -- not implemented!
- `FluxSvc::FluxSvc`, property *EnableAberration*
 - not defined yet (code lost)

Update 4/15/2008, after software meeting

It was decided by Heather and Richard to ignore this effect: it is too small, and the risk of breaking things too large. The new code to implement generation of aberrated data will be put on a branch.