

GammaLib - Change request #1176

Introduce GCTAPointings container class to handle pointing tables

03/13/2014 01:10 PM - Knödlseider Jürgen

|   |        |                        |            |
|---|--------|------------------------|------------|
| <b>Status:</b>  | New    | <b>Start date:</b>     | 03/13/2014 |
| <b>Priority:</b>  | Normal | <b>Due date:</b>       |            |
| <b>Assigned To:</b>   |        | <b>% Done:</b>         | 0%         |
| <b>Category:</b>  |        | <b>Estimated time:</b> | 0.00 hour  |
| <b>Target version:</b>  |        |                        |            |
| <b>Description</b> <p>Conceptually, GCTAPointing is a single pointing, but for the moment it contains an entire table of pointings. It would be better to introduce a pointing container class GCTAPointings to handle pointings as function of time. The GCTAPointings class would then deal with loading and saving of pointing tables, and interpolation, and could have an operator that returns a GCTAPointing object as function of time or index:</p> <pre>const GCTAPointing&amp; operator[](const int&amp; index) const; GCTAPointing&amp;      operator[](const int&amp; index); GCTAPointing      operator()(const GTime&amp; time) const;</pre> |        |                        |            |
| <b>Related issues:</b> <p>Related to GammaLib - Action # 1113: Use pointing table from a FITS file in G...<b>Rejected</b>01/28/2014</p>   |        |                        |            |