

## GammaLib - Action #3921

### Add non-generic lonpole and latpole handling to GWcs

12/03/2021 08:02 PM - Knödlseider Jürgen

<b>Status:</b>	Closed	<b>Start date:</b>	12/03/2021
<b>Priority:</b>	Immediate	<b>Due date:</b>	
<b>Assigned To:</b>	Knödlseider Jürgen	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.0.0		

#### Description

So far the GWcs class only supports the internal computation of the m\_lonpole and m\_latpole members, yet there may be data, such as the COMPASS COMPTTEL DRI data, that have non-standard lonpole and latpole definitions.

Methods should be added to GWcs to set and get the m\_lonpole and m\_latpole members, and if present, the m\_lonpole and m\_latpole members should be set when reading the FITS file. Specifically the latter may create side effects that need to be carefully watched.

#### History

##### #1 - 12/04/2021 08:01 AM - Knödlseider Jürgen

- Status changed from New to Feedback
- % Done changed from 0 to 90

It turned out that this led to inconsistent coordinate transformations, I hence refrained from doing this change.

Instead I found a way to correctly interpret the COMPASS DRI data by adjusting the CRVAL2 and CRPIX2 keywords, enforcing CRVAL2=2. I made this change in the kludge used for existing COMPASS data.

##### #2 - 03/14/2022 02:03 PM - Knödlseider Jürgen

- Status changed from Feedback to Closed
- % Done changed from 90 to 100