

GammaLib - Bug #1277

Units of m_detx m_dety seem to be degs instead of radians

07/12/2014 03:43 PM - Lu Chia-Chun

Status:	Closed	Start date:	07/12/2014
Priority:	Normal	Due date:	
Assigned To:	Knödlseider Jürgen	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	3rd coding sprint		
Description			
While the code description says that detx, and dety are in units of radians, it seems that they are actually in units of degree.			
Example:			
<pre>cta = GCTAObservation() cta.load('run_0023592_std_eventlist.fits') events = GCTAEventList(cta.events()) event = events[0] detx = event.dir().detx() dety = event.dir().dety()</pre>			
In [57]: detx Out[57]: 0.3536582589149475			
In [58]: dety Out[58]: -0.01053939200937748			

History

#1 - 07/12/2014 03:44 PM - Lu Chia-Chun

Sorry, forgot to say. m_detx and m_dety are members in GCTAInstDir

#2 - 07/12/2014 10:49 PM - Knödlseider Jürgen

- Status changed from New to Feedback
- Assigned To set to Knödlseider Jürgen
- Target version set to 3rd coding sprint
- % Done changed from 0 to 100

Indeed, the reader and writer in GCTAEventList was missing the conversions. I have not recognized because GammaLib is so far not using this information. I have now corrected. Could you please check?

#3 - 07/12/2014 10:50 PM - Knödlseider Jürgen

- Description updated

#4 - 07/13/2014 04:02 PM - Lu Chia-Chun

- Status changed from Feedback to Resolved

Now it's correct. We can close this issue.

#5 - 07/20/2014 11:21 PM - Knödlseider Jürgen

- Status changed from Resolved to Closed