

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

<b>Status:</b>	Closed	<b>Start date:</b>	07/12/2014
<b>Priority:</b>	Normal	<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>	3rd coding sprint		
<b>Description</b> 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