

GammaLib - Action #2238

Optionally extract statistic from observation definition XML file

10/21/2017 02:05 PM - Knödseder Jürgen

Status:	Closed	Start date:	10/21/2017
Priority:	Normal	Due date:	
Assigned To:	Knödseder Jürgen	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	1.5.0		
Description			
It should be possible to specify the statistic in the observation definition XML file:			
<pre><observation_list title="observation library"> <observation name="..." id="..." instrument="..." statistic="CSTAT"> ... </observation> <observation name="..." id="..." instrument="..." statistic="WSTAT"> ... </observation> ... </observation_list></pre>			
The change should be made in GObservations::read().			

History

#1 - 10/21/2017 03:10 PM - Knödseder Jürgen

- Status changed from New to In Progress
- Assigned To set to Knödseder Jürgen
- % Done changed from 0 to 10

Changed the GObservations::statistics methods to GObservations::statistic which is semantically better (not "s" in statistic). This requires also an update of ctools.

#2 - 10/21/2017 03:19 PM - Knödseder Jürgen

I'm no longer sure that this should be handled at the GObservations::read() method level since the statistic value should be checked to signal immediately if an invalid value was specified.

For example for Fermi-LAT, COMPTEL and the MWL interface the statistic cannot be changed. This is therefore only really relevant for CTA for the moment.

#3 - 10/22/2017 12:52 AM - Knödseder Jürgen

- Status changed from In Progress to Closed
- % Done changed from 10 to 100

I implemented the handling of the statistic attribute in the CTA observation classes.

The code was merged into devel.