GammaLib - Action #2238

Optionally extract statistic from observation definition XML file

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

Status:	Closed		**Start date:**	10/21/2017
Priority:	Normal		**Due date:**	
Assigned To:	Knödlseder 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:

```
<observation_list title="observation library">
  <observation name="..." id="..." instrument="..." statistic="CSTAT">
  ...
  </observation>
  <observation name="..." id="..." instrument="..." statistic="WSTAT">
  ...
   </observation>
  ...
 </observation_list>
```

The change should be made in GObservations::read().

History

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

- Status changed from New to In Progress

- Assigned To set to Knödlseder 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 - Knödlseder 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 - Knödlseder 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.