

GammaLib - Action #770

Feature # 692 (Closed): Perform an extensive interface review of all classes

Review obs module classes

02/20/2013 03:06 AM - Knödseder Jürgen

Status:	Closed	Start date:	02/20/2013
Priority:	Normal	Due date:	
Assigned To:	Knödseder Jürgen	% Done:	100%
Category:		Estimated time:	20.00 hours
Target version:	00-08-00		
Description			

History

#1 - 02/20/2013 03:09 AM - Knödseder Jürgen

The following classes have been reviewed:

Class	Comment
GEbounds	Derive from GContainer, modify setlin and setlog, add interval constructor, implement container methods, read and write methods now take references instead of pointers
GEnergy	Add energy constructor.
GEvent	No modifications
GEventAtom	Use inline methods
GEventBin	Use inline methods
GEvents	Define clobber as const reference in save(), remove event iterator
GEventList	Define clobber as const reference in save()
GGti	Derive from GContainer, implement container methods, read and write methods now take references instead of pointers, declare clobber as const reference in save() method
GInstDir	No modifications
GObservation	events() set now takes a const reference, response() not returns a const reference
GObservations	Derive from GContainer, implement container methods, append() now takes const reference, models() returns cost reference, remove non-const operator[], add set() method.
GObservationRegistry	No changes
GPhoton	Add mcid argument to photon constructor
GPhotons	Derive from GContainer, implement container methods.
GPointing	Removed base class
GResponse	No modification
GRoi	No modification
GSource	No modification
GTime	sec() method returns const reference
GTimes	Derive from GContainer, implement container methods.
GTimeReference	Read and write methods now take references instead of pointers

#2 - 02/20/2013 03:10 AM - Knödlseider Jürgen

- *Status changed from New to In Progress*

#3 - 02/20/2013 03:11 AM - Knödlseider Jürgen

- *Assigned To set to Knödlseider Jürgen*

- *% Done changed from 0 to 10*

- *Estimated time set to 20.00*

- *Remaining (hours) set to 20.0*

#4 - 02/21/2013 01:05 AM - Knödlseider Jürgen

- *% Done changed from 10 to 20*

With reworking the GObservations class a major step forward has been achieved.

#5 - 02/21/2013 01:05 AM - Knödlseider Jürgen

- *Remaining (hours) changed from 20.0 to 15.0*

#6 - 02/22/2013 12:14 AM - Knödlseider Jürgen

- *% Done changed from 20 to 40*

- *Remaining (hours) changed from 15.0 to 11.0*

All container classes of the observation module have now been implemented.

#7 - 04/05/2013 05:12 PM - Knödlseider Jürgen

Add index() method to abstract GEvent class so that every event can tell where it is located in a list. If the event is not in a list, the index() method should return -1.

This logic opens up the way for optimized implementations of instrument specific event classes.

#8 - 12/08/2013 01:35 AM - Knödlseider Jürgen

- *Status changed from In Progress to Closed*

- *% Done changed from 40 to 100*

- *Remaining (hours) changed from 11.0 to 0.0*

Interface review finished.