

GammaLib - Change request #1667

Allow saving of FITS binary tables in already existing files

02/14/2016 11:23 PM - Knödseder Jürgen

Status:	Rejected	Start date:	02/14/2016
Priority:	Normal	Due date:	
Assigned To:	Knödseder Jürgen	% Done:	10%
Category:		Estimated time:	0.00 hour
Target version:	1.1.0		
Description			
<p>So far, not all methods that save a FITS binary table into a file allow appending the table to an existing file. An example of how the code should look like is given in the GGti::save method.</p>			
<pre>void GGti::save(const GFilename& filename, const bool& clobber) const { // Open or create FITS file GFits fits(filename, true); // Write GTI to FITS object write(fits, filename.extname("GTI")); // Save to file fits.save(clobber); // Return return; }</pre>			

History

#1 - 02/14/2016 11:32 PM - Knödseder Jürgen

- Status changed from New to In Progress
- Assigned To set to Knödseder Jürgen
- Target version set to 1.1.0
- % Done changed from 0 to 10

Started to implement the code. Took GGti as a reference.

#2 - 02/15/2016 10:25 PM - Knödseder Jürgen

Note that we should remove HDUs with the same name in case they exist (to avoid duplication of HDU attachment):

```
void GGti::save(const GFilename& filename, const bool& clobber) const
{
    // Open or create FITS file
    GFits fits(filename, true);

    // Get extension name
    std::string extname = filename.extname("GTI");

    // Remove HDUs if they exist already
    if (fits.contains(extname)) {
        fits.remove(extname);
    }

    // Write GTI to FITS object
```

```
write(fits, extname);  
  
// Save to file  
fits.save(clobber);  
  
// Return  
return;  
}
```

#3 - 02/19/2016 12:42 AM - Knödseder Jürgen

- *Status changed from In Progress to Rejected*

It turned out that it is not a good idea to generalize this. There are classes which should implement a fixed format, and others where the extension name should be specified. Thus reject this issue.