

GammaLib - Change request #1030

Add cfitsio utility functions

12/05/2013 10:28 PM - Knödlseider Jürgen

Status:	Closed	Start date:	12/05/2013
Priority:	Normal	Due date:	
Assigned To:	Knödlseider Jürgen	% Done:	100%
Category:		Estimated time:	2.00 hours
Target version:	00-08-00		

Description

Several cfitsio functions are used widely in the FITS module, hence they could be define in a single utility function to reduce the number of lines in the code. An example is the "move to HDU" code

```
// Move to HDU
int status = 0;
status = __ffmahd(FPTR(vpnr), (FPTR(vpnr)->HDUposition)+1, NULL,
                &status);
if (status != 0) {
    std::string msg = "Unable to move FITS file pointer to extension"
                    " number "+
                    gammalib::str((FPTR(vpnr)->HDUposition))+". ";
    throw GException::fits_error(G_READ_STR, status, msg);
}
```

Here, the NULL pointer could be replaced by an integer that holds the HDU type, and this type could be returned by the function when necessary.

History

#1 - 12/24/2013 10:13 PM - Knödlseider Jürgen

- Status changed from In Progress to Closed
- Target version set to 00-08-00
- % Done changed from 10 to 100

Done