ctools - Bug #1462

configure fails if cfitsio library is not found

05/19/2015 04:10 PM - Knödlseder Jürgen

Status:	New		**Start date:**	05/19/2015
Priority:	Normal		**Due date:**	
Assigned To:			**% Done:**	0%
Category:			**Estimated time:**	0.00 hour
Target version:				

Description

Lili Yang had a problem with compiling ctools after a successful gammalib compilation.

There was no problem with install of gammalib. However, when I tried to ./configure ctools, there is an error,

configure: error: The GammaLib library has been built with openMP support but OpenMP is not available on this system. Please install OpenMP or re-build GammaLib without OpenMP support.

So I tried to recompile gammalib with diable-openmp,
./configure --disable-openmp --prefix=/grid/software/CTA/gamma

But still the same error came out when configuring ctools as before. I notice there was a bug two year ago
https://cta-redmine.irap.omp.eu/issues/552. It should have been fixed. Could you please help with this? Thanks a lot.

Following up on that it turned out that the problem was related to not finding cfitsio:

configure:17031: WARNING: GammaLib not found in any standard path
configure:17063: GammaLib found in /grid/software/CTA/gamma/lib and /grid/software/CTA/gamma/include/gammalib.
configure:17102: checking whether GammaLib has been compiled with OpenMP
configure:17125: g++ -o conftest -g -O2 -I/usr/include/python2.6 -I/grid/software/CTA/gamma/include/gammalib
 -L/grid/software/CTA/gamma/lib conftest.cpp -lgamma >&5
/usr/bin/ld: warning: libcfitsio.so.2, needed by /grid/software/CTA/gamma/lib/libgamma.so, not found (try using -rpath or -rpath-link)
/grid/software/CTA/gamma/lib/libgamma.so: undefined reference to `ffgdes'
/grid/software/CTA/gamma/lib/libgamma.so: undefined reference to `ffukyd'
/grid/software/CTA/gamma/lib/libgamma.so: undefined reference to `ffgtcl'
/grid/software/CTA/gamma/lib/libgamma.so: undefined reference to `ffgidm'

History

#1 - 06/02/2015 09:35 PM - Knödlseder Jürgen

- Subject changed from configure fails is cfitsio library is not found to configure fails if cfitsio library is not found

#2 - 06/03/2015 01:56 PM - Knödlseder Jürgen

Adding the folder where cfitsio resides to the LD_LIBRARY_PATH solved the problem