

Building CFITSIO

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v3370

1. Download heasoft source from: <http://heasarc.nasa.gov/heasoft/download.html>
2. Unpack the tarball
3. cd BUILD_DIR
4. ./configure --prefix=blah >& config.out &
5. make heacore >& build.log &
6. make install
7. libcfitsio.a is located in the src heacore/cfitsio

redhat7-x86_64-64bit-gcc48

Downloaded cfitsio source from: <ftp://heasarc.gsfc.nasa.gov/software/fitsio/c/>

- ./configure --prefix=blah >& config.out &
- make >& build.log &
- make shared
- make install

v3290

These are instructions for building CFITSIO v3290 for the various OSes supported.

redhat5-i686-64bit

These instructions should be performed as the glastrm user on a machine running rhel5 in 64 bit mode (noric15 as of this writing).

1. Copy CFITSIO v3.290 (cfitsio-v3.290.tar.gz) from /afs/slac/g/glast/ground/GLAST_EXT/srcExtLibs
2. Change directory to /afs/slac/g/glast/ground/GLAST_EXT/redhat5-x86_64-64bit/cfitsio
3. Unzip and Untar the file cfitsio-v3.290.tar.gz
4. Change directory to cfitsio
5. Execute ./configure --prefix=/afs/slac/g/glast/ground/GLAST_EXT/redhat5-x86_64-64bit/cfitsio/v3290/gcc41
6. Execute make shared
7. Create the directory /afs/slac/g/glast/ground/GLAST_EXT/redhat5-x86_64-64bit/cfitsio/v3290/gcc41
8. Execute make install
9. Create a symlink between libcfitsio.so and create libcfitsio-v3.290.so
10. Erase and leave the cfitsio directory

v3060A

These are instructions for building CFITSIO v3060A for the various OSes supported.

redhat5-i686-64bit

These instructions should be performed as the glastrm user on a machine running rhel5 in 64 bit mode (noric15 as of this writing).

1. Copy CFITSIO v3.060A (cfitsio-v3.060A-src.tar.gz) from one of the other GLAST_EXT locations and save to /afs/slac/g/glast/ground/GLAST_EXT/redhat5-i686-32bit/cfitsio if it doesn't already exist.
2. Change directory to /afs/slac/g/glast/ground/GLAST_EXT/redhat5-x86_64-64bit/cfitsio
3. Unzip and Untar the file cfitsio-v3.060A-src.tar.gz
4. Change directory to cfitsio-v3.060A/
5. Execute ./configure --prefix=/afs/slac/g/glast/ground/GLAST_EXT/redhat5-x86_64-64bit/cfitsio/v3060A/gcc41
6. Execute make shared
7. Create the directory /afs/slac/g/glast/ground/GLAST_EXT/redhat5-x86_64-64bit/cfitsio/v3060A/gcc41
8. Execute make install
9. Erase and leave the cfitsio-v3.060A directory

leopard-i386-32bit

These instructions should be performed as the glastrm user on a machine running leopard (bldmac02 as of this writing).

1. Copy CFITSIO v3.060A (cfitsio-v3.060A-src.tar.gz) from one of the other GLAST_EXT locations and save to /afs/slac/g/glast/ground/GLAST_EXT/leopard-i386-32bit/cfitsio if it doesn't already exist.
2. Change directory to /afs/slac/g/glast/ground/GLAST_EXT/leopard-i386-32bit/cfitsio
3. Unzip and Untar the file cfitsio-v3.060A-src.tar.gz
4. Change directory to cfitsio-v3.060A/
5. Execute ./configure --prefix=/afs/slac/g/glast/ground/GLAST_EXT/leopard-i386-32bit/cfitsio/v3060A/gcc40
6. Execute make shared
7. Create the directory /afs/slac/g/glast/ground/GLAST_EXT/leopard-i386-32bit/cfitsio/v3060A/gcc40
8. Execute make install
9. Erase and leave the cfitsio-v3.060A directory

tiger-i386-32bit

These instructions should be performed as the glastrm user on a machine running leopard (bldmac01 as of this writing).

1. Copy CFITSIO v3.060A (cfitsio-v3.060A-src.tar.gz) from one of the other GLAST_EXT locations and save to /afs/slac/g/glast/ground/GLAST_EXT/tiger-i386-32bit/cfitsio if it doesn't already exist.
2. Change directory to /afs/slac/g/glast/ground/GLAST_EXT/tiger-i386-32bit/cfitsio
3. Unzip and Untar the file cfitsio-v3.060A-src.tar.gz
4. Change directory to cfitsio-v3.060A/
5. Execute ./configure --prefix=/afs/slac/g/glast/ground/GLAST_EXT/tiger-i386-32bit/cfitsio/v3060A/gcc40
6. Execute make shared
7. Create the directory /afs/slac/g/glast/ground/GLAST_EXT/tiger-i386-32bit/cfitsio/v3060A/gcc40
8. Execute make install
9. Erase and leave the cfitsio-v3.060A directory

redhat5-i686-32bit

These instructions should be performed as the glastrm user on a machine running leopard (bldmac01 as of this writing).

1. Copy CFITSIO v3.060A (cfitsio-v3.060A-src.tar.gz) from one of the other GLAST_EXT locations and save to /afs/slac/g/glast/ground/GLAST_EXT/redhat5-i686-32bit/cfitsio if it doesn't already exist.
2. Change directory to /afs/slac/g/glast/ground/GLAST_EXT/redhat5-i686-32bit/cfitsio
3. Unzip and Untar the file cfitsio-v3.060A-src.tar.gz
4. Change directory to cfitsio-v3.060A/
5. Execute ./configure --prefix=/afs/slac/g/glast/ground/GLAST_EXT/redhat5-i686-32bit/cfitsio/v3060A/gcc41
6. Execute make shared
7. Create the directory /afs/slac/g/glast/ground/GLAST_EXT/redhat5-i686-32bit/cfitsio/v3060A/gcc41
8. Execute make install
9. Erase and leave the cfitsio-v3.060A directory