

Open BIL, BIP or BSQ files in QGIS

QGIS Tutorials and Tips



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BIL, BIP and BSQ and GDAL

GDAL is a library that can read and write data in many formats. BIL, BIP and BSQ are formats used by the AVHRR Global Land Cover Classification data. The GDAL library <http://www.gdal.org> can read and write these formats. QGIS can also read and write these formats. QGIS can also read and write these formats.

Band interleaved by line (BIL), band interleaved by pixel (BIP), and band sequential (BSQ) are three different ways of storing multi-band data. (BIL is the most common format for AVHRR data. [http://web help.esri.com/arcgis/9.3/arcgisserver/arcgisserver.htm](http://webhelp.esri.com/arcgis/9.3/arcgisserver/arcgisserver.htm))

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Global Land Cover Facility

Global Land Cover Facility <http://glcf.umd.edu/> AVHRR Global Land Cover Classification data <http://glcf.umd.edu/data/landcover/data.shtml>

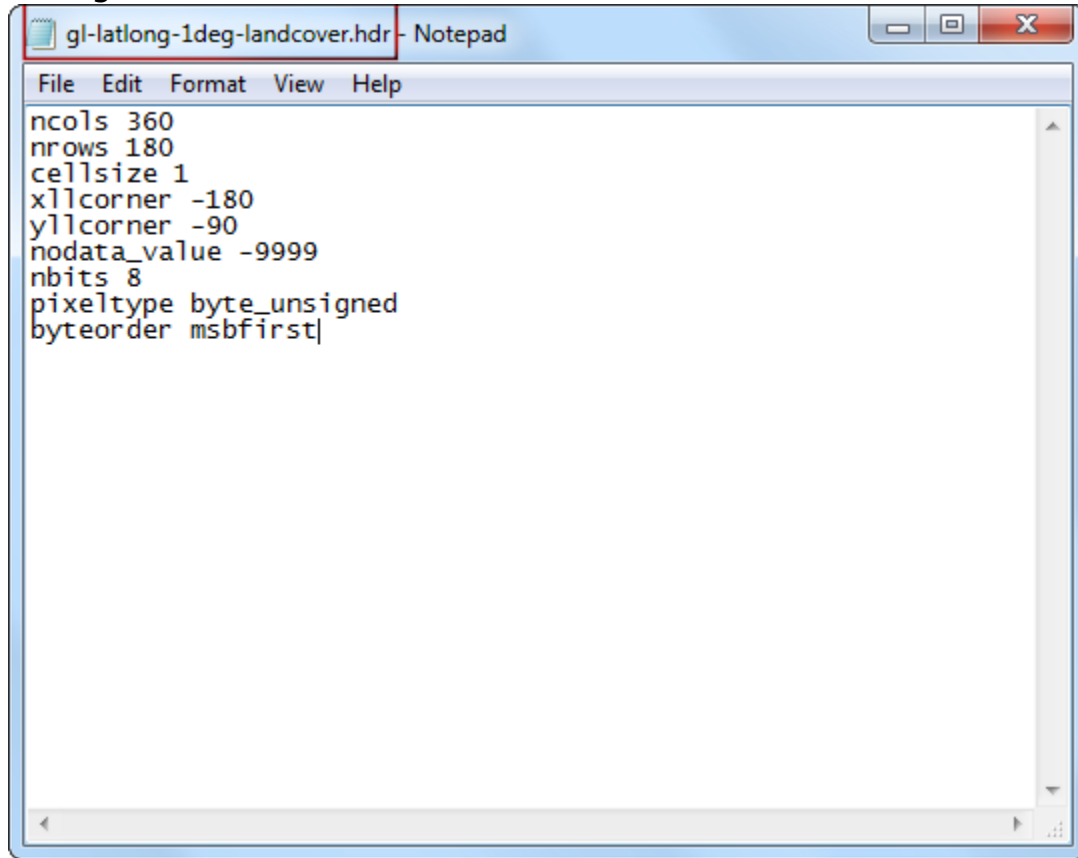
Global Coverage BSQ 1 Degree pixel resolution

GLCF

7-Zip utility

1. 7-Zip utility <http://www.7-zip.org/> can read and write data in many formats. BIL, BIP and BSQ are formats used by the AVHRR Global Land Cover Classification data. The GDAL library <http://www.gdal.org> can read and write these formats. QGIS can also read and write these formats. QGIS can also read and write these formats.

5. 创建名为 gl-latlong-1deg-landcover.hdr 的元数据文件。该文件应包含以下信息：
- ```
ncols 360
nrows 180
cellsize 1
xllcorner -180
yllcorner -90
nodata_value -9999
nbits 8
pixeltype byte_unsigned
byteorder msbfirst
```



6. 在 QGIS 中加载元数据文件 gl-latlong-1deg-landcover.hdr 并添加栅格数据源。步骤如下：
- ```
Layer --> Add Raster Layer --> Open
```



7. □□ □□□□ □□□□ □□□□ □□ □□□□□□. □□□□ □□/□□□□□ □□□□ **WGS84
 EPSG:4326** □ □□□□□. □□ QGIS □ □□□□□ □□□□□□ □□ □□□□□□.

