

# Open BIL, BIP or BSQ files in QGIS

QGIS Tutorials and Tips



Author

Ujaval Gandhi

<http://google.com/+UjavalGandhi>

Translations by

SongHyun Choi

## 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))

GDAL 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.

GDAL 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.

### 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

### 1. Global Land Cover Facility

1. Global Land Cover Facility <http://www.7-zip.org/> 7-Zip utility <http://www.7-zip.org/> gl-latlong-1deg-landcover.bsqa .bsq .hdr



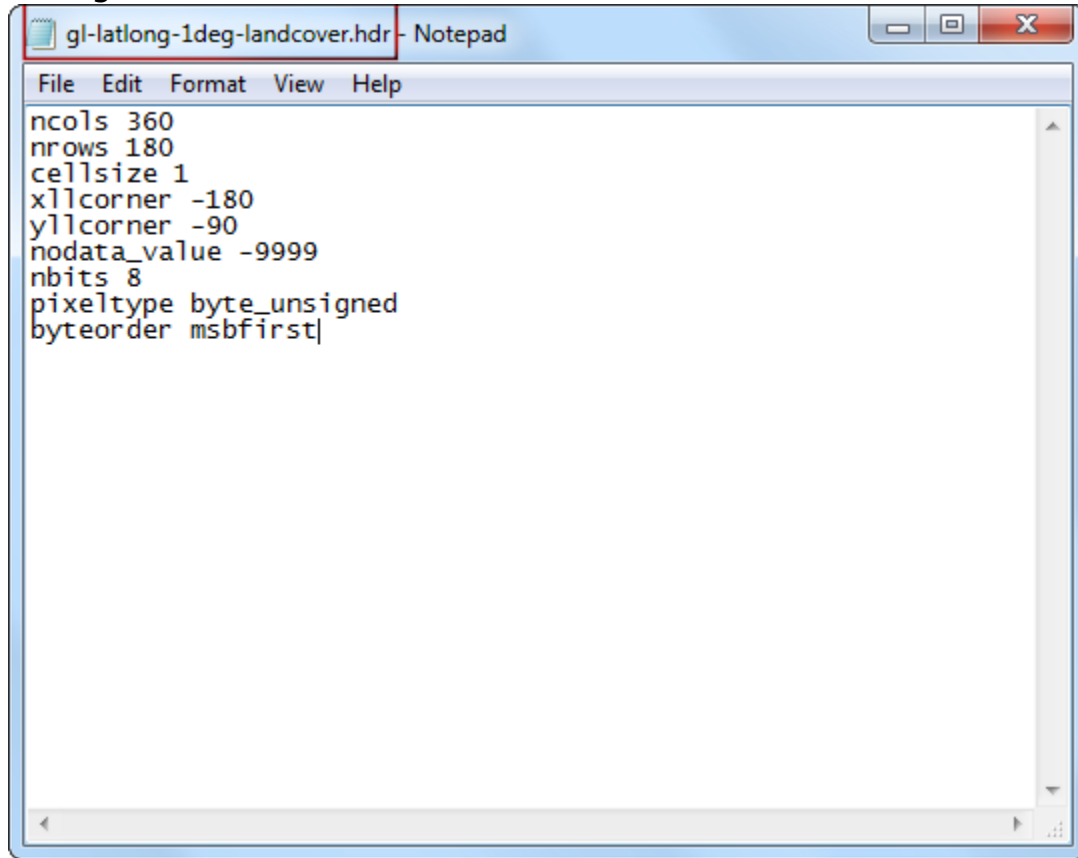


5. 创建栅格数据文件。在命令行窗口输入以下命令，创建名为 gl-latlong-1deg-landcover.hdr 的元数据文件。该文件将存储在名为 gl-latlong-1deg-landcover 的文件夹中。该文件将包含以下信息：

```

ncols 360
nrows 180
cellsize 1
xllcorner -180
yllcorner -90
nodata_value -9999
nbits 8
pixeltype byte_unsigned
byteorder msbfirst

```



6. 加载栅格数据文件。在 QGIS 主窗口中，选择 Layer --> Add Raster Layer。在弹出的对话框中，选择文件 gl-latlong-1deg-landcover.bsq。单击 Open 按钮加载文件。



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

