

Converting NOAA Charts from BSB to TIFF

I. Determining which charts you need to reproject

1. Insert the CD-ROM and navigate to the View97 folder on the CD-ROM drive. Open View97.exe to start BSB View 97.
2. After you agree to the disclaimer, open the Chart Table window. [You can open the Chart Table later by clicking on the leftmost icon (a map symbol).]
3. The first time you insert each CD-ROM, you must install the charts.
 - A) In the Chart Table window, switch from the Open tab to the Install tab.
 - B) Click the Select All button on the right.
 - C) Click the Install button on the right (If a prompt asks if you would like to reinstall this chart, select Yes All.
4. Activate the Open tab. Now you need to determine which charts you need to convert. There are 3 places where you can sort through the charts to make a list of the chart numbers (e.g. 11406_2) you need:
 - A) The REG Chart. In the Chart Table window, Open tab, expand the Regions folder and open whichever region folder you need. The first file in a Region folder is the master chart (e.g. REG17 - MOBILE AL TO THE MEXICAN BORDER). Opening this will allow you to zoom and pan around within the large chart to identify the smaller charts you need.

Note The master chart for Region 8 (REG8 - FLORIDA WEST COAST AND THE KEYS) does not work off of the Region 8 CD_ROM. Therefore, if you want to visually assess the Region 8 charts, you should open the REG8 chart off of the Region 17 CD-ROM. After you have determined your list of charts, insert the Region 8 CD-ROM and proceed to Step 5.
 - B) Alphabetical Order. In the chart table window, Open tab, expand the Regions folder and expand whichever region folder the CD-ROM is for. There will be a list of all the charts contained in that region in alphabetical order of the chart names. You can then search through this list and open individual charts to identify the ones you need.
 - C) Numerical Order. In the Chart Table window, Open tab, expand the All Charts folder. There will be a list of all charts installed on this application in numerical order of chart number. Once a CD-ROM has been used, the region's charts appear in the All Charts folder. Any charts not on the currently inserted CD-ROM (and therefore not able to be viewed or copied) appear with a red slash through the CD symbol.

II. Reprojecting

5. Once the chart numbers (e.g. 11406_2) are determined, close BSB View 97.

6. Copy the desired .kap file and its accompanying .bsb from the Bsbchart folder on the CD-ROM to a folder on your hard drive.

Note If you have been using the Region 17 CD-ROM to look at the REG8 chart, you will need to insert the Region 8 CD-ROM to copy the files from it.

7. To reproject the charts, you will need the Digital NOAA Nautical Chart Reprojection software (currently Version 2.02a). It can be downloaded for installation from <http://www.csc.noaa.gov/crs/Products/chartreproj/>

A) Click the Win NT/95/98 button and fill out the spaces to download chartreprojectNT.zip

B) After opening chartreprojectNT.zip, open Setup.exe to go through the installation.

8. Open chartrepro.exe (default location is C:\Program Files\NOAA\NOAA Chart Reprojector\); a GUI version should appear.

9. Complete the "Input File" space (including .kap extension) with the path and file name of the .kap file you are converting.

10. Complete the "Output File" space (no extension necessary) with the path and file name of the .tif file you want to create. Either browse to or type the path and then type in the new file name.

11. In the "Output Info" Section, specify:

Units: Degrees of arc

File Format: TIFF

Projection: Geographic

Datum: WGS_84

12. Once these parameters are correct, hit the "Run" button in the bottom left corner. Once this file reprojecting is complete, a TIFF file with world file is created.

13. Repeat Steps 6 - 11 for each remaining .kap file.