

Making Offline maps for MyTrails from GEOPDF files.

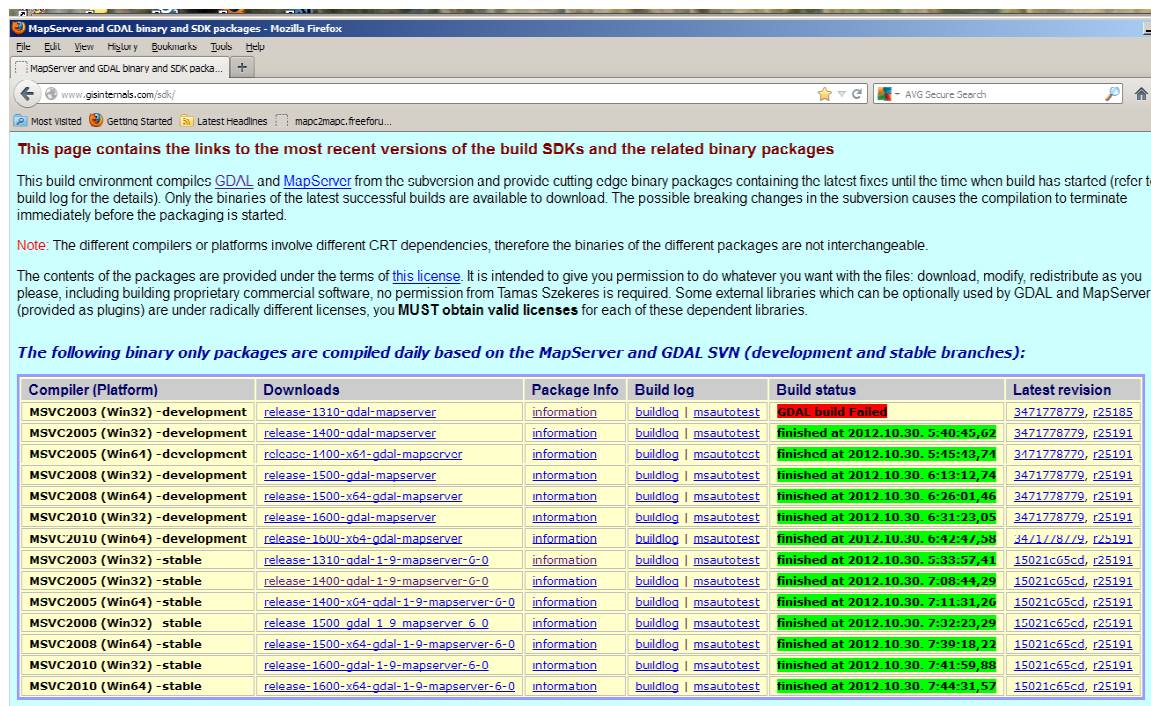
The structure of GEOPDF files is an extension to the well-known Portable Document Format that includes information to calibrate a map (that is, define exactly where the map covers on the earth).

Converting these maps for MyTrails is a simple process that can take less than two minutes....

Before you start :

Download and install MAPC2MAPC from <http://www.the-thorns.org.uk/mapping>

Download and install GDAL from <http://www.gisinternals.com/sdk/>



This page contains the links to the most recent versions of the build SDKs and the related binary packages

This build environment compiles [GDAL](#) and [MapServer](#) from the subversion and provide cutting edge binary packages containing the latest fixes until the time when build has started (refer to build log for the details). Only the binaries of the latest successful builds are available to download. The possible breaking changes in the subversion causes the compilation to terminate immediately before the packaging is started.

Note: The different compilers or platforms involve different CRT dependencies, therefore the binaries of the different packages are not interchangeable.

The contents of the packages are provided under the terms of [this license](#). It is intended to give you permission to do whatever you want with the files: download, modify, redistribute as you please, including building proprietary commercial software, no permission from Tamas Szekeres is required. Some external libraries which can be optionally used by GDAL and MapServer (provided as plugins) are under radically different licenses, you **MUST obtain valid licenses** for each of these dependent libraries.

The following binary only packages are compiled daily based on the MapServer and GDAL SVN (development and stable branches):

Compiler (Platform)	Downloads	Package Info	Build log	Build status	Latest revision
MSVC2003 (Win32) -development	release-1310-gdal-mapserver	information	buildlog msautotest	GDAL build Failed	3471778779, r25185
MSVC2005 (Win32) -development	release-1400-gdal-mapserver	information	buildlog msautotest	finished at 2012.10.30. 5:40:45,62	3471778779, r25191
MSVC2005 (Win64) -development	release-1400-x64-gdal-mapserver	information	buildlog msautotest	finished at 2012.10.30. 5:45:43,74	3471778779, r25191
MSVC2008 (Win32) -development	release-1500-gdal-mapserver	information	buildlog msautotest	finished at 2012.10.30. 6:13:12,74	3471778779, r25191
MSVC2008 (Win64) -development	release-1500-x64-gdal-mapserver	information	buildlog msautotest	finished at 2012.10.30. 6:26:01,46	3471778779, r25191
MSVC2010 (Win32) -development	release-1600-gdal-mapserver	information	buildlog msautotest	finished at 2012.10.30. 6:31:23,05	3471778779, r25191
MSVC2010 (Win64) -development	release-1600-x64-gdal-mapserver	information	buildlog msautotest	finished at 2012.10.30. 6:42:47,58	3471778779, r25191
MSVC2003 (Win32) -stable	release-1310-gdal-1-9-mapserver-6-0	information	buildlog msautotest	finished at 2012.10.30. 5:33:57,41	15021c65cd, r25191
MSVC2005 (Win32) -stable	release-1400-gdal-1-9-mapserver-6-0	information	buildlog msautotest	finished at 2012.10.30. 7:08:44,29	15021c65cd, r25191
MSVC2005 (Win64) -stable	release-1400-x64-gdal-1-9-mapserver-6-0	information	buildlog msautotest	finished at 2012.10.30. 7:11:31,26	15021c65cd, r25191
MSVC2008 (Win32) -stable	release-1500-gdal-1-9-mapserver-6-0	information	buildlog msautotest	finished at 2012.10.30. 7:32:23,29	15021c65cd, r25191
MSVC2008 (Win64) -stable	release-1500-x64-gdal-1-9-mapserver-6-0	information	buildlog msautotest	finished at 2012.10.30. 7:39:18,22	15021c65cd, r25191
MSVC2010 (Win32) -stable	release-1600-gdal-1-9-mapserver-6-0	information	buildlog msautotest	finished at 2012.10.30. 7:41:59,88	15021c65cd, r25191
MSVC2010 (Win64) -stable	release-1600-x64-gdal-1-9-mapserver-6-0	information	buildlog msautotest	finished at 2012.10.30. 7:44:31,57	15021c65cd, r25191

Package Information - Mozilla Firefox

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Package Information +

www.gisinternals.com/sdk/PackageList.aspx?file=release-1400-gdal-1-9-mapserver-6-0.zip

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Available downloads (release-1400-gdal-1-9-mapserver-6-0):

File name	Date of compilation	Size	Description
release-1400-gdal-1-9-mapserver-6-0.zip	10/30/2012 6:57 AM	21081 kB	Compiled binaries in a single file
release-1400-gdal-1-9-mapserver-6-0-1.zip			Server source code and headers
release-1400-gdal-1-9-mapserver-6-0-2.zip			GDAL python bindings
GDAL-1.9.0.win32-py2.6.exe			GDAL python bindings
GDAL-1.9.0.win32-py2.7.msi			GDAL python bindings
GDAL-1.9.0.win32-py3.1.msi			GDAL python bindings
GDAL-1.9.0.win32-py3.2.msi			GDAL python bindings
GDAL-1.9.1.win32-py2.6.exe			GDAL python bindings
GDAL-1.9.1.win32-py2.7.msi	10/3/2012 6:01 AM	400 kB	Installer for the GDAL python bindings
GDAL-1.9.1.win32-py3.1.msi	10/3/2012 6:02 AM	400 kB	Installer for the GDAL python bindings
GDAL-1.9.1.win32-py3.2.msi	10/3/2012 6:03 AM	400 kB	Installer for the GDAL python bindings
GDAL-1.9.2.win32-py2.6.exe	10/30/2012 6:10 AM	369 kB	Installer for the GDAL python bindings
GDAL-1.9.2.win32-py2.7.msi	10/30/2012 6:08 AM	400 kB	Installer for the GDAL python bindings
GDAL-1.9.2.win32-py3.1.msi	10/30/2012 6:08 AM	400 kB	Installer for the GDAL python bindings
GDAL-1.9.2.win32-py3.2.msi	10/30/2012 6:09 AM	400 kB	Installer for the GDAL python bindings
gdal-19-1400-core.msi	10/30/2012 6:38 AM	17847 kB	Generic installer for the GDAL core
gdal-19-1400-ecw.msi	10/30/2012 6:42 AM	1244 kB	Installer for the GDAL ECW driver
gdal-19-1400-mrsid.msi	10/30/2012 6:43 AM	2253 kB	Installer for the GDAL MrSID driver
gdal-19-1400-oracle.msi	10/30/2012 6:40 AM	906 kB	Installer for the GDAL Oracle driver
MapScript-6.0.1.win32-py2.6.exe	2/8/2012 7:48 AM	225 kB	Installer for the MapScript python bindings

Opening gdal-19-1400-core.msi

You have chosen to open:

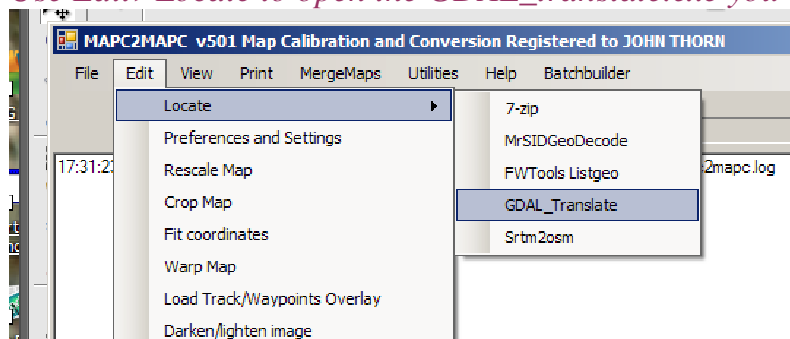
gdal-19-1400-core.msi
 which is a: Windows Installer Package (17.4 MB)
 from: http://www.gisinternals.com

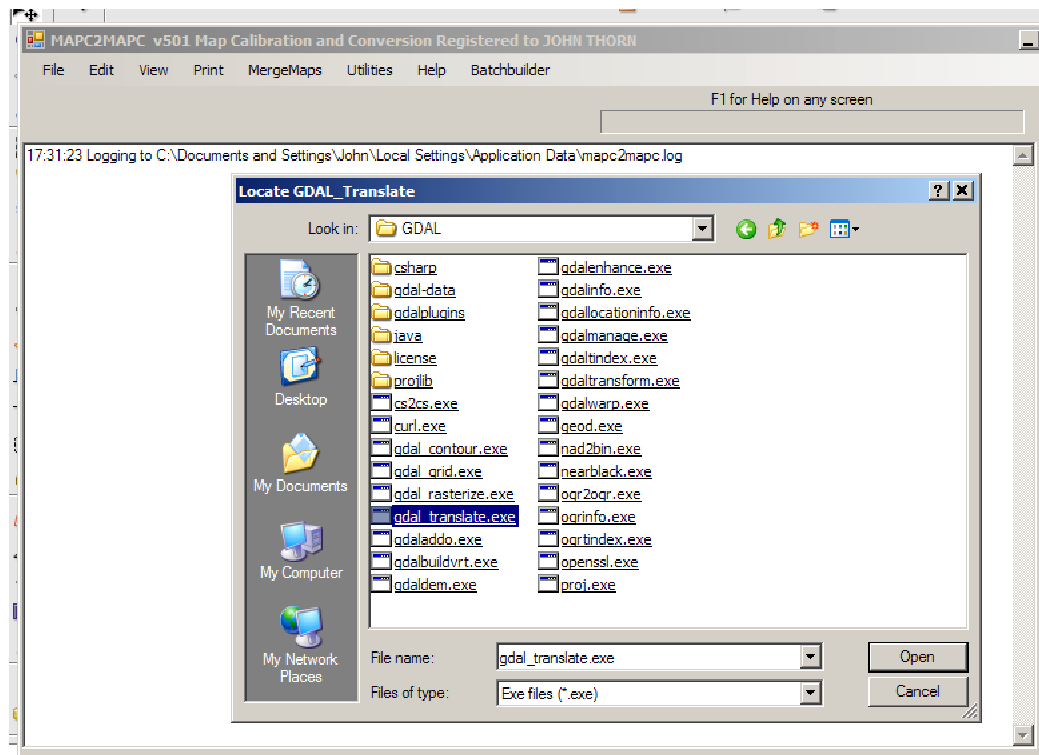
Would you like to save this file?

Save File Cancel

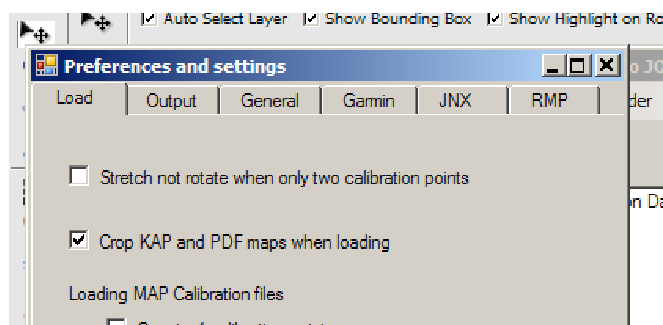
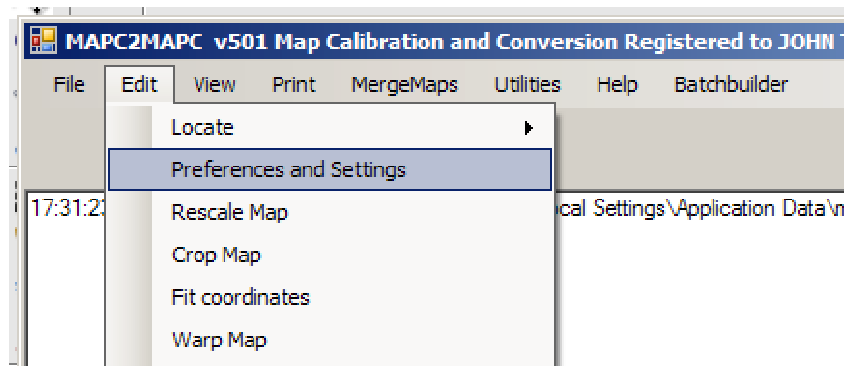
Start up MAPC2MAPC

Use Edit>Locate to open the GDAL_translate.exe you installed.





Use Edit>Preferences and settings to ensure 'Crop KAP and PDF maps when loading' is checked

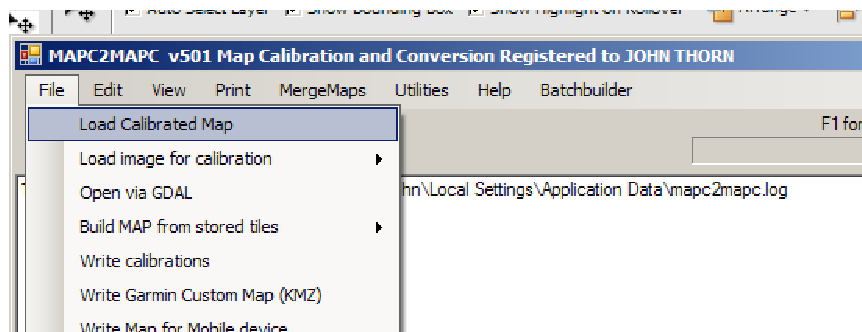


Then close MAPC2MAPC so that it remembers these settings.

That was the hard part!

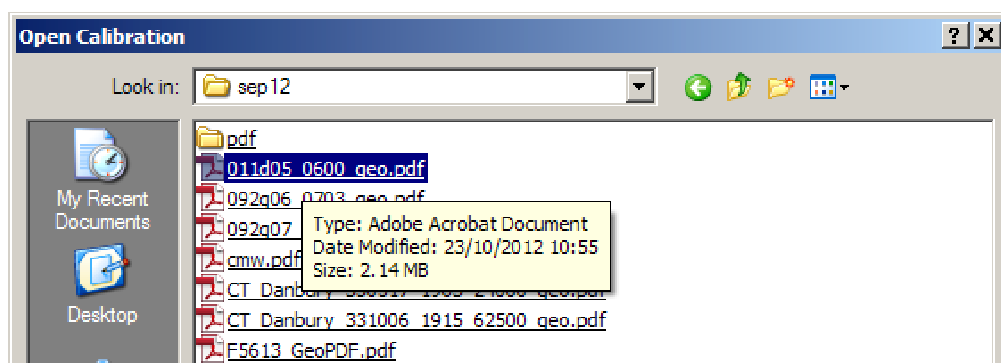
To convert a map :

Start up MAPC2MAPC .

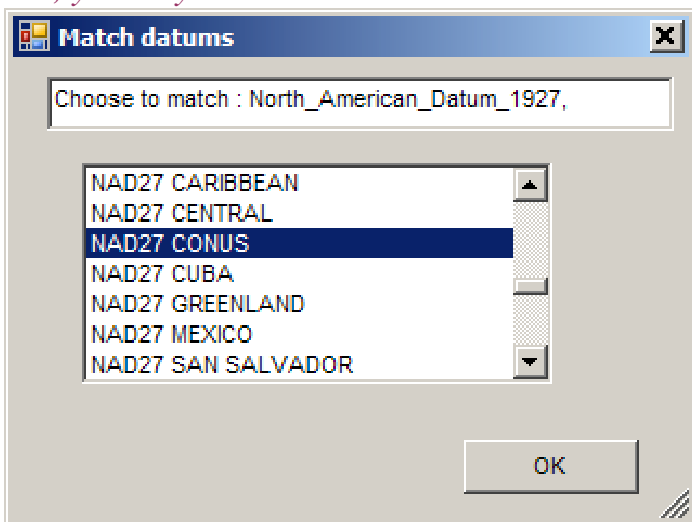


Open the file you want to convert

Monitor and exchange with local settings & application data mapc2mapc.log

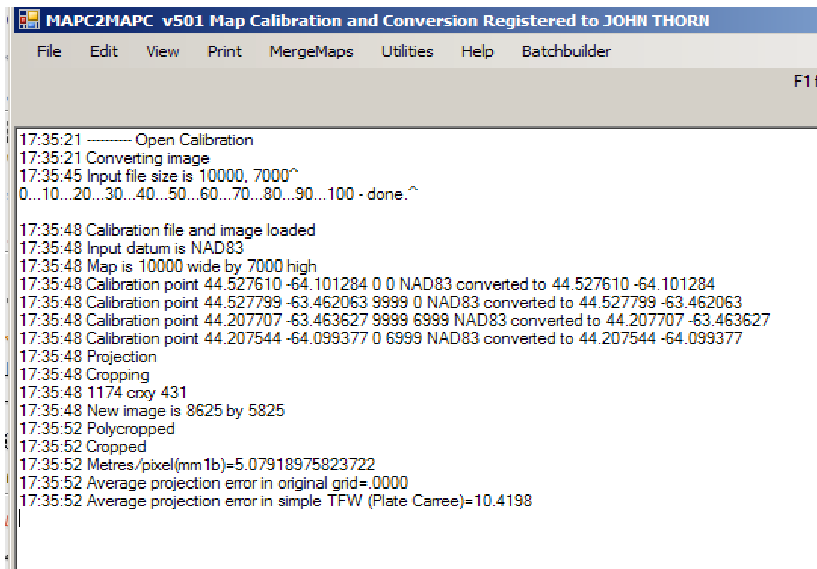


*Depending on the map, it will take a few seconds or minutes to load, convert and crop.
Also, you may be asked to match one Datum name with another*

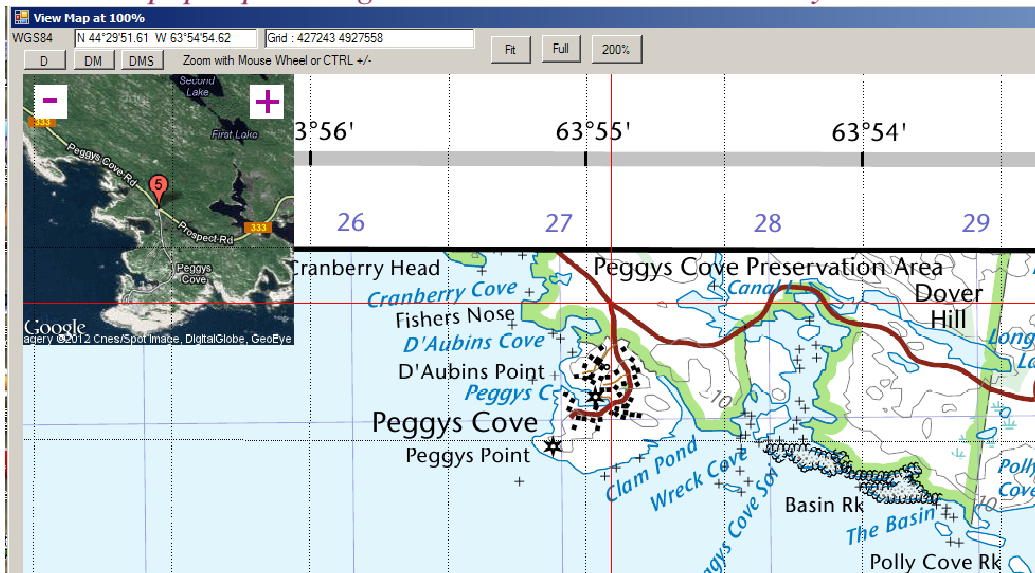


Once you have OK'd the match the program will remember it.

Then you will see a series of information messages

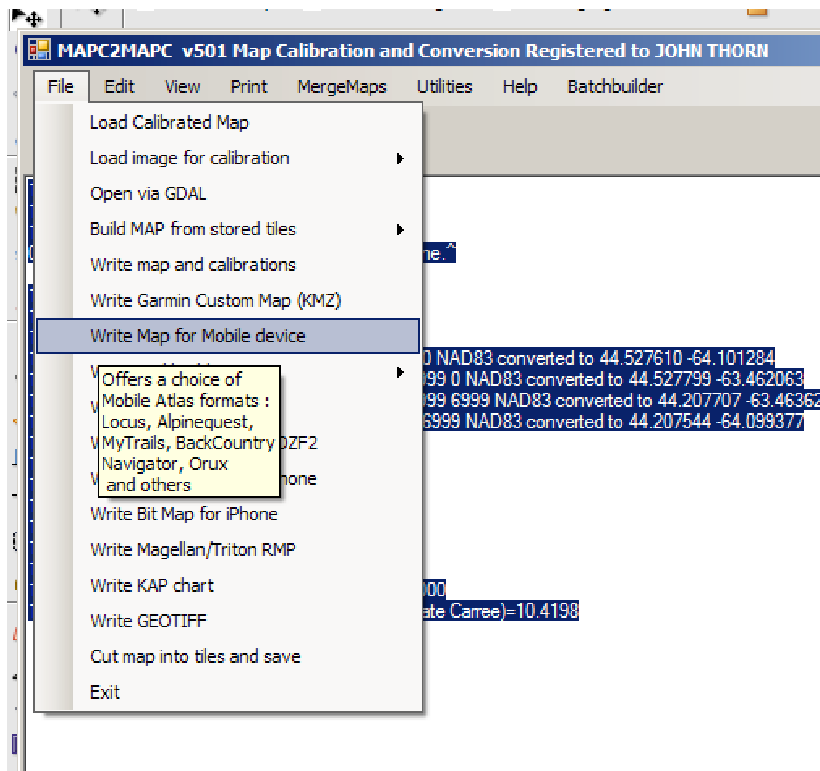


If you want to see the loaded map use View. Zoom into the map. A right click on a landmark pops up a Google Earth window – the accuracy is exact!

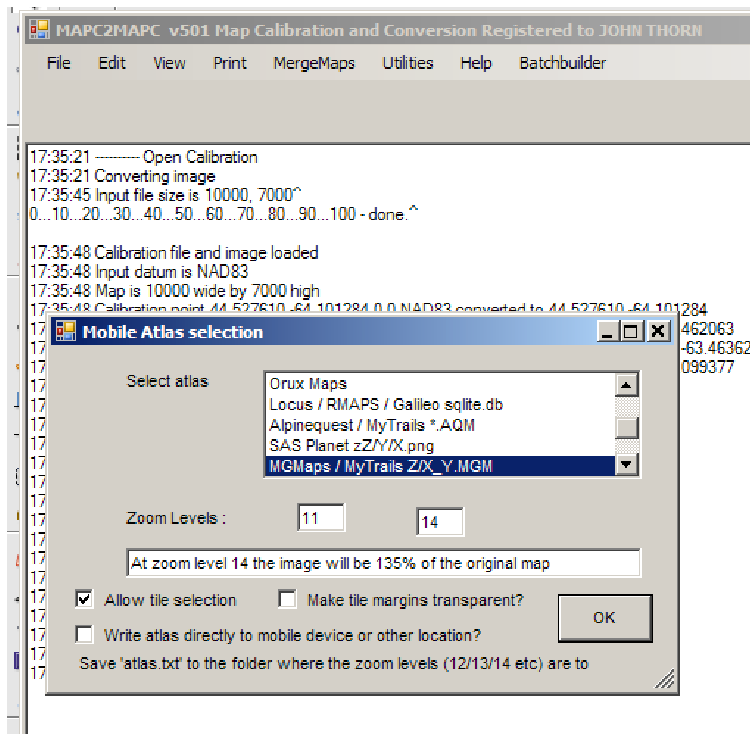


Close the view window

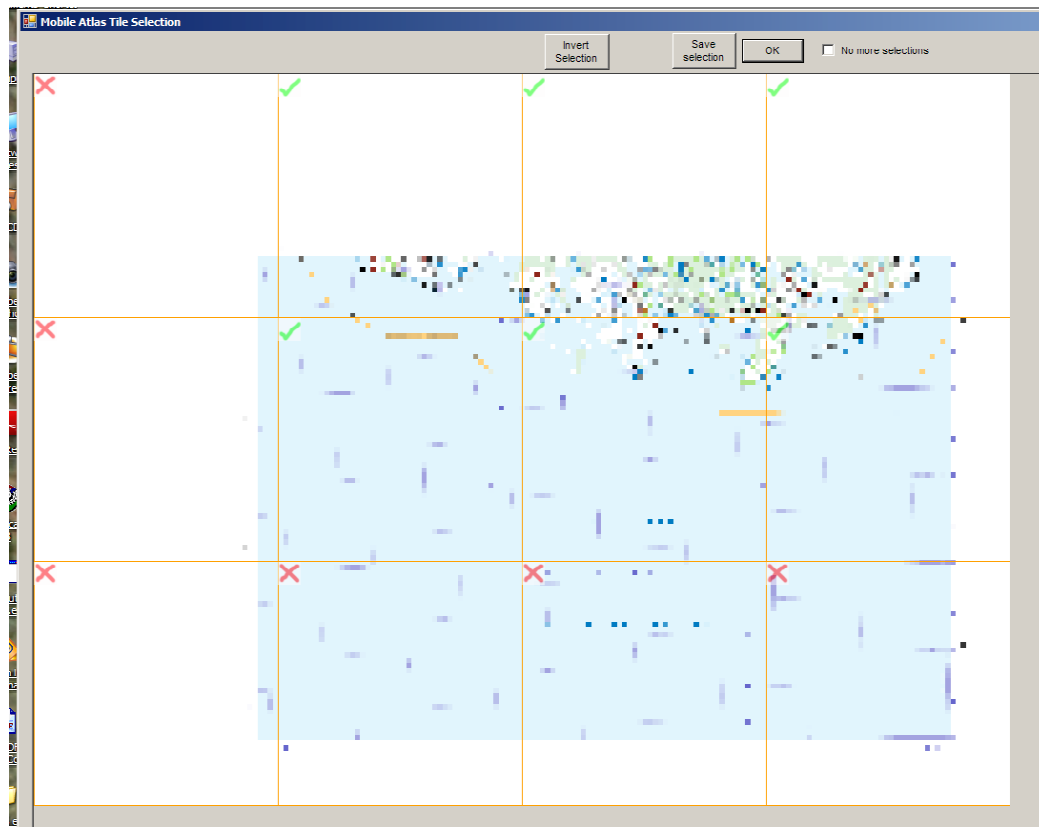
File>Write Map for a mobile device.



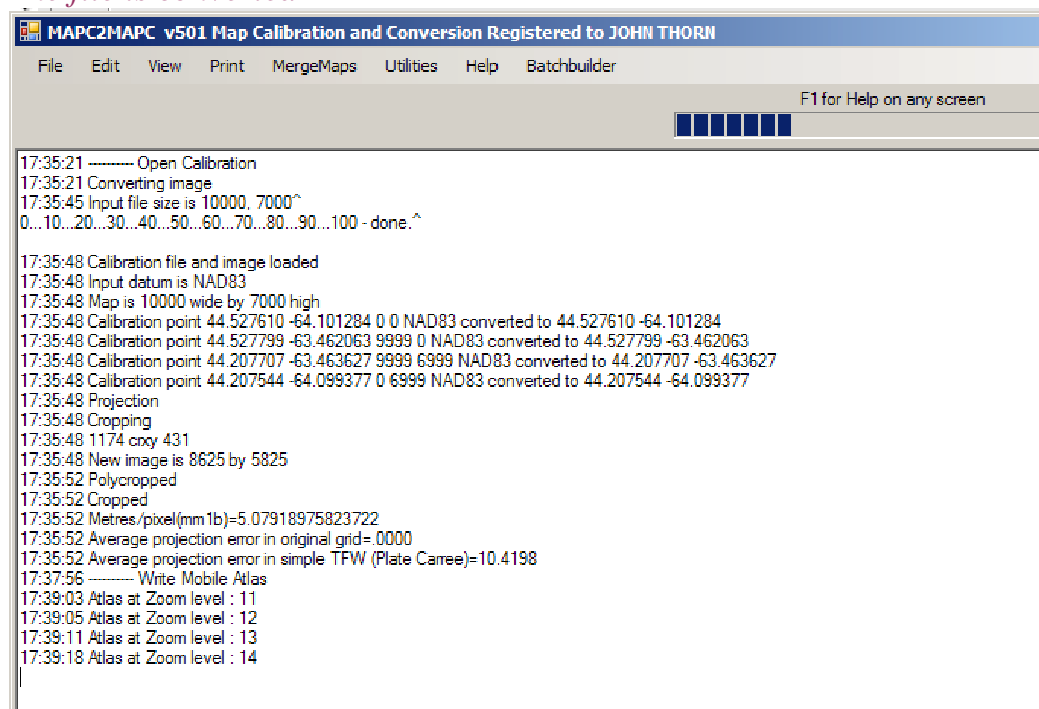
Scroll down the selection box to M G Maps. If the map has areas that you don't want then leave the 'Allow Tile Selection' box checked – otherwise uncheck it. Click OK



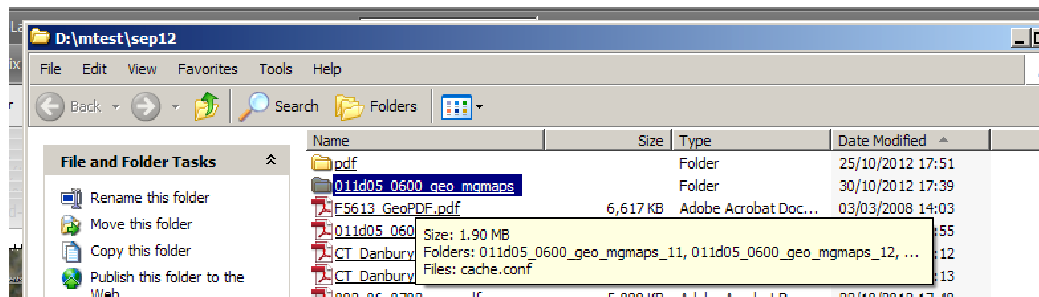
If you have opted for tile selection you will see screens where you can click on tiles to select (green tick) or deselect (red cross). This starts at a very coarse level and refines over each zoom level.



The file is converted



Copy the _mgmaps folder to the Offline folder of MyTrails on your Android device.



That's it!

