

# Computer tips for Windows users

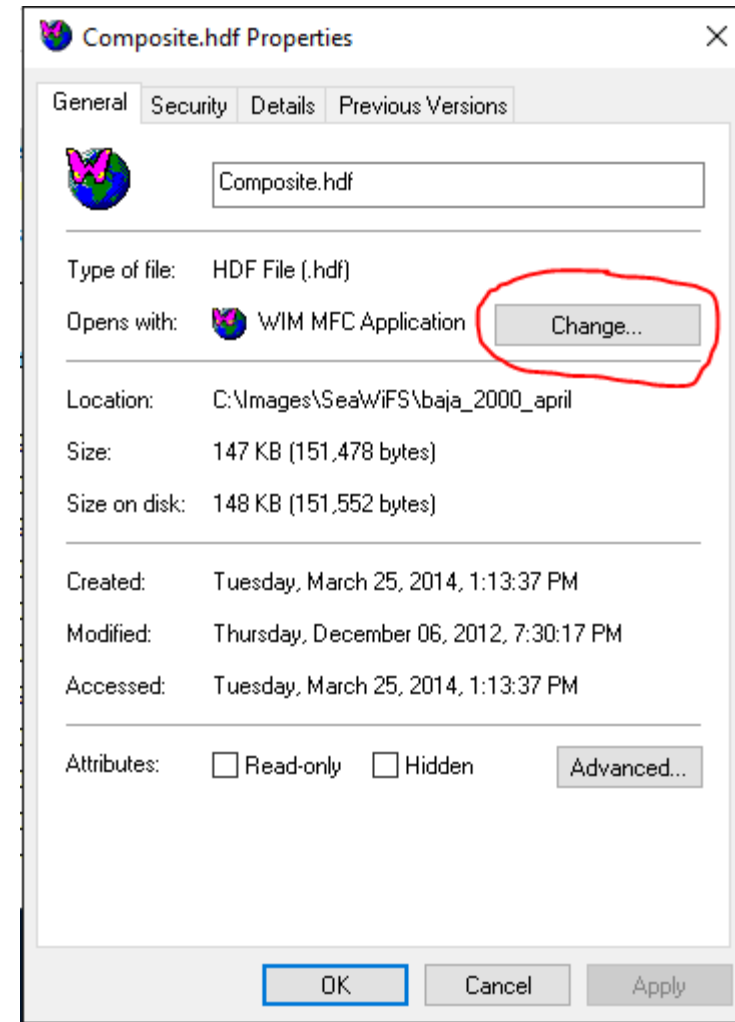
- File associations
- Make file extensions visible
- Easy command line access
- Creating lists by piping output of the *dir* command
- See command syntax )options)
- Add a directory to *path* environment variable

# File associations

- Each file *type* (specified by its *extension*) must have one or more associated *Programs* that handle that file type.
- It is important to have the right *Program* associated with the file type, for example, the main file type used in WIM is *\*.hdf* which is a *Hierarchical Data Format* version 4 file. If the correct program (e.g. WIM) is associated with *.hdf*, you can just *click* or *double-click* on the file and WIM will open it.
- You can find out the associated program by right-clicking on the file name and checking its *Properties*.
- *\*.nc* (netCDF) is another type for WIM

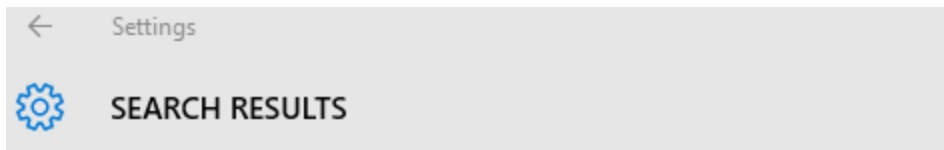
Wimsoft.com

For example, check out *C:\Images\SeaWiFS\baja\_2000\_april\Composite.hdf*;  
You can change it!



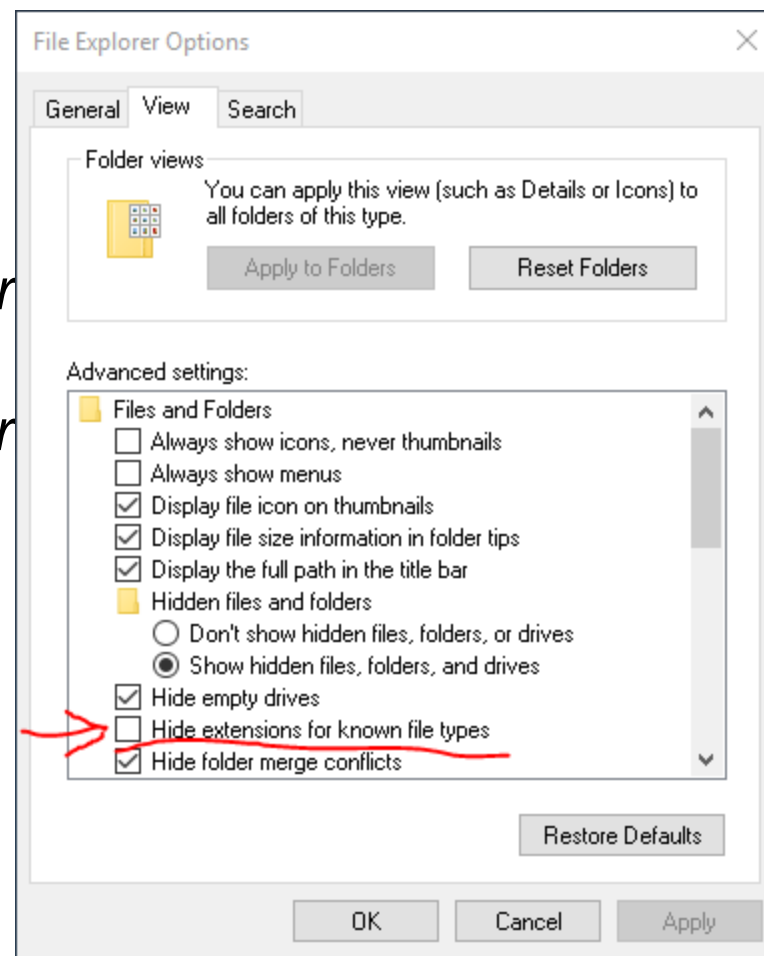
# Make file extensions visible

- Default option in Windows is to **Hide extensions of known types**
- This is the dumbest choice by Microsoft and can create confusion and misunderstanding.
- Uncheck it in the **File Explorer Options** dialog!
- Go to *Settings*, search for *file explorer options*, check out *View*. In earlier versions of Windows it was called *Folder options*.



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You must uncheck *Hide extensions of known file types!*



## Command line in any folder

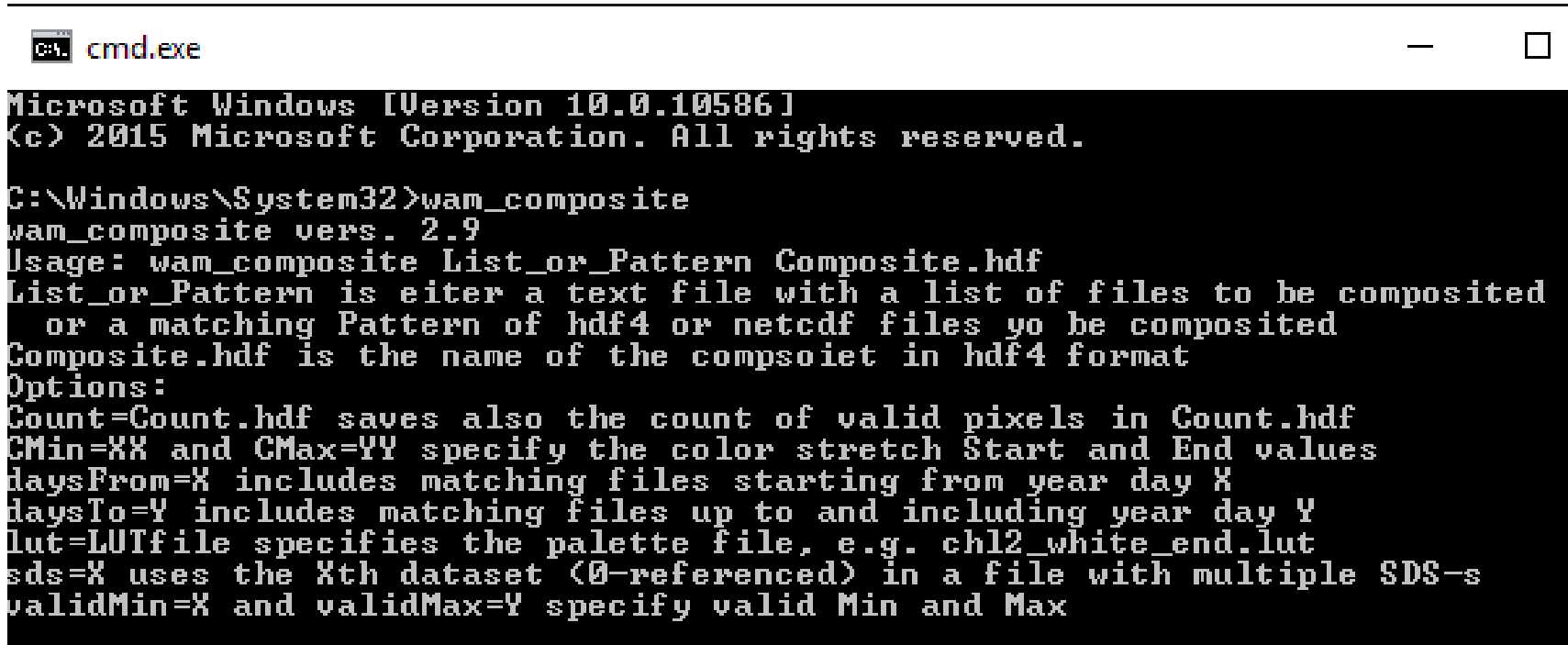
- Use Shift and right-click on a folder, select :
- *Open command window here*
- It was more complicated in earlier versions of Windows
- Most programs in WAM use command line, also use command line to make lists, etc.

## Creating lists by piping the output of *dir*

- In WAM we often need lists of files to be processed
- An easy way to create such a list is to pipe the results of *dir* to a text file
- `dir /b /s Images\*.hdf > myList.txt`
- The */b* option outputs just the file name, */s* option add the full path
- We can use the list in many WAM commands, e.g.
- `wam_composite myList.txt Comp.hdf Count.hdf`

# To see command syntax: type the name of the command

- For example, to see the options of WAM command *wam\_composite*, open command window and type *wam\_composite*



```
cmd.exe
Microsoft Windows [Version 10.0.10586]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\Windows\System32>wam_composite
wam_composite vers. 2.9
Usage: wam_composite List_or_Pattern Composite.hdf
List_or_Pattern is either a text file with a list of files to be composited
or a matching Pattern of hdf4 or netcdf files to be composited
Composite.hdf is the name of the composite in hdf4 format
Options:
Count=Count.hdf saves also the count of valid pixels in Count.hdf
CMin=XX and CMax=YY specify the color stretch Start and End values
daysFrom=X includes matching files starting from year day X
daysTo=Y includes matching files up to and including year day Y
lut=LUTfile specifies the palette file, e.g. chl2_white_end.lut
sds=X uses the Xth dataset (0-referenced) in a file with multiple SDS-s
validMin=X and validMax=Y specify valid Min and Max
```

# Add directory to *path*

- In order to run a command from any directory, the location of the command file has to be in the path.
- When installing WIM, the folder *C:\Program Files (x86)\Wimsoft* is normally added to the path. Sometimes it does not work and you need to manually add this or another directory to the path. You can search in *Settings*, for *environment*.

- Find

