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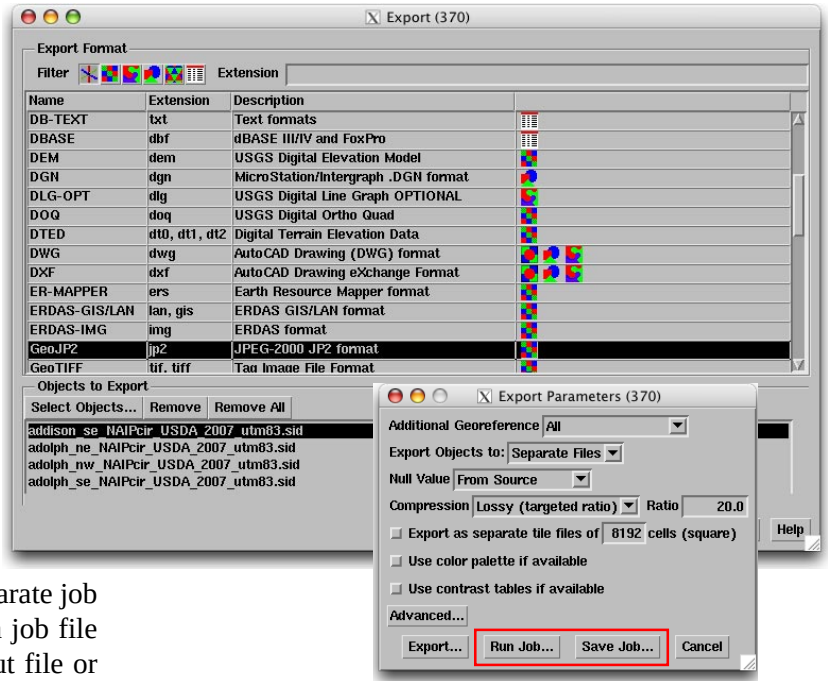
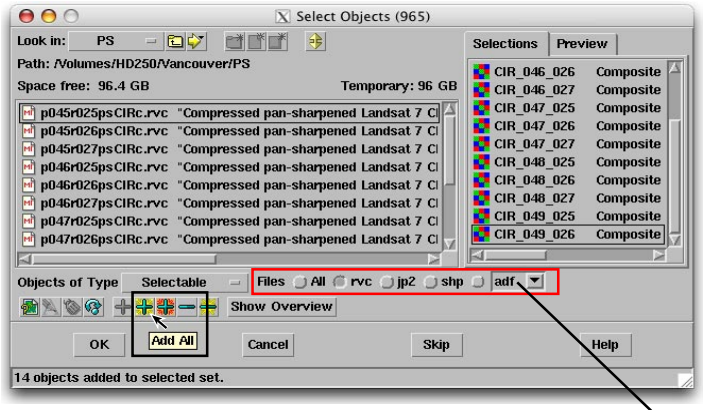
Concurrent Exports Using Job Processing

The TNTmips Export process and TNTmips Job Processing System allow you to efficiently manage huge batch exports of hundreds of spatial objects, exploiting your computer's multiple cores for fast concurrent processing. You can export spatial objects from your TNT Project Files to any of the over 100 supported external file formats. And because you can directly select and use spatial files of many types (such as TIFF/GeoTIFF, MrSID, JPEG, JP2/GeoJP2, Arc Shapefile, DWG, ...) in any TNT process, you can use the Export process to perform batch conversions from one external file type directly to another, such as converting hundreds of MrSID files directly to GeoJP2.

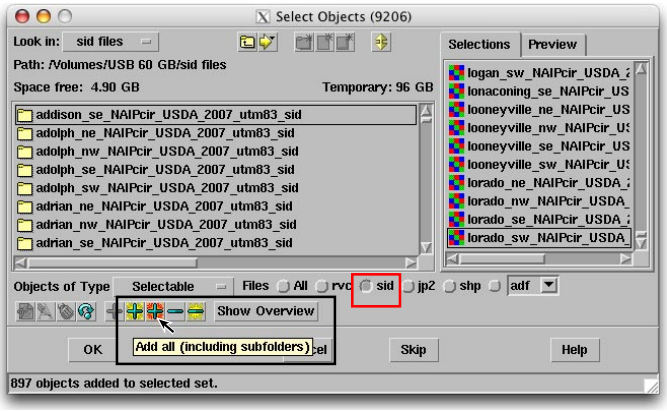


Use the Run Job or Save Job button on the Export Parameters window to use Job Processing for your batch export. The Export process then creates a separate job file for each file or object you are exporting. Each job file specifies the name and location of the specific input file or object and of the designated output file.

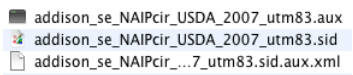
The Export process provides a number of features to allow you to efficiently work with large numbers of files or objects. You can use controls on the Select Objects window to automatically select a large number of objects or files of the desired type, even when they are distributed in many subdirectories (see illustrations below). An Auto-Name feature is also available for quickly naming all of the output files (see illustrations on reverse).



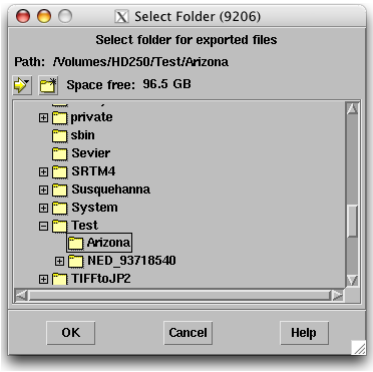
Use the *Add All* icon button (shown in black box above) on the Select Objects window to add all of the selectable objects or files within the current directory (shown in the left panel of the window) to the selected list (right panel). Use the Files toggle buttons (red box above) to automatically restrict the selection to a particular file type: set a toggle button for RVC or one of several recently-used formats, or select one of dozens of formats from the menu. In this example each TNT Project File in the directory contains one raster to be exported. One push of the Add All icon button adds each of these raster objects to the selection list, so you don't have to navigate into each file separately and manually add its raster object to the selected list.

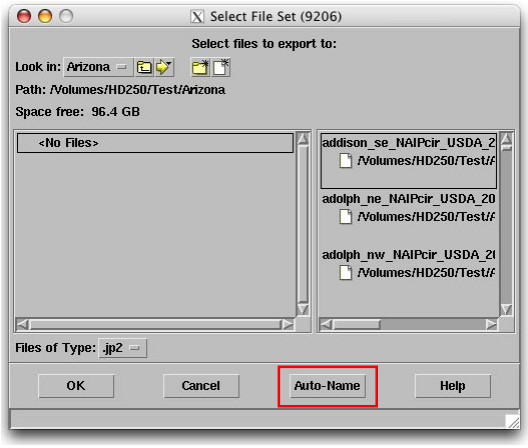


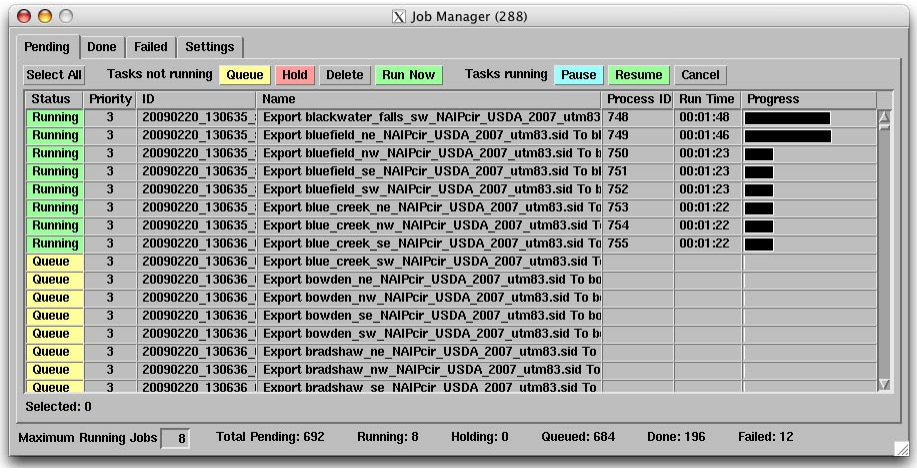
Use the *Add all (including subfolders)* icon button (shown in black box above) on the Select Objects window to add all of the selectable objects or files within the current directory (or in any of its subdirectories) to the selected list. In this example MrSID files are being exported to JP2, so the File toggle for the "sid" format (red box above) has been turned on; this particular toggle is present because there has been recent use of MrSID files. Each subdirectory in the selection list includes several auxiliary files and one MrSID file to be exported. One button push of the *Add all (including subfolders)* icon button automatically adds all of these MrSID files (897 in this example) to the selected list without requiring navigation into each subdirectory.



When you press the Run Job or Save Job button on the Export Parameters window, you are prompted to select a folder for the exported files (Select Folder window, right) and to name the output files (Select File Set window, far right). You can press the Auto-Name button on the latter window (shown in red box) to quickly give each exported file the same root name as its input object or file.







When you have pressed the Run Job or Save Job button on the Export Parameters window and named the outputs, the Export process creates a separate job file for each export. Run Job queues all jobs to run, while Save Job sets a “Hold” status for each job; you can then use the Job Manager to manually release the desired jobs to run. The Job Manager also provides job scheduling, letting you restrict job processing to particular times and days of the week (see the Technical Guide entitled System: *Managing Jobs*).