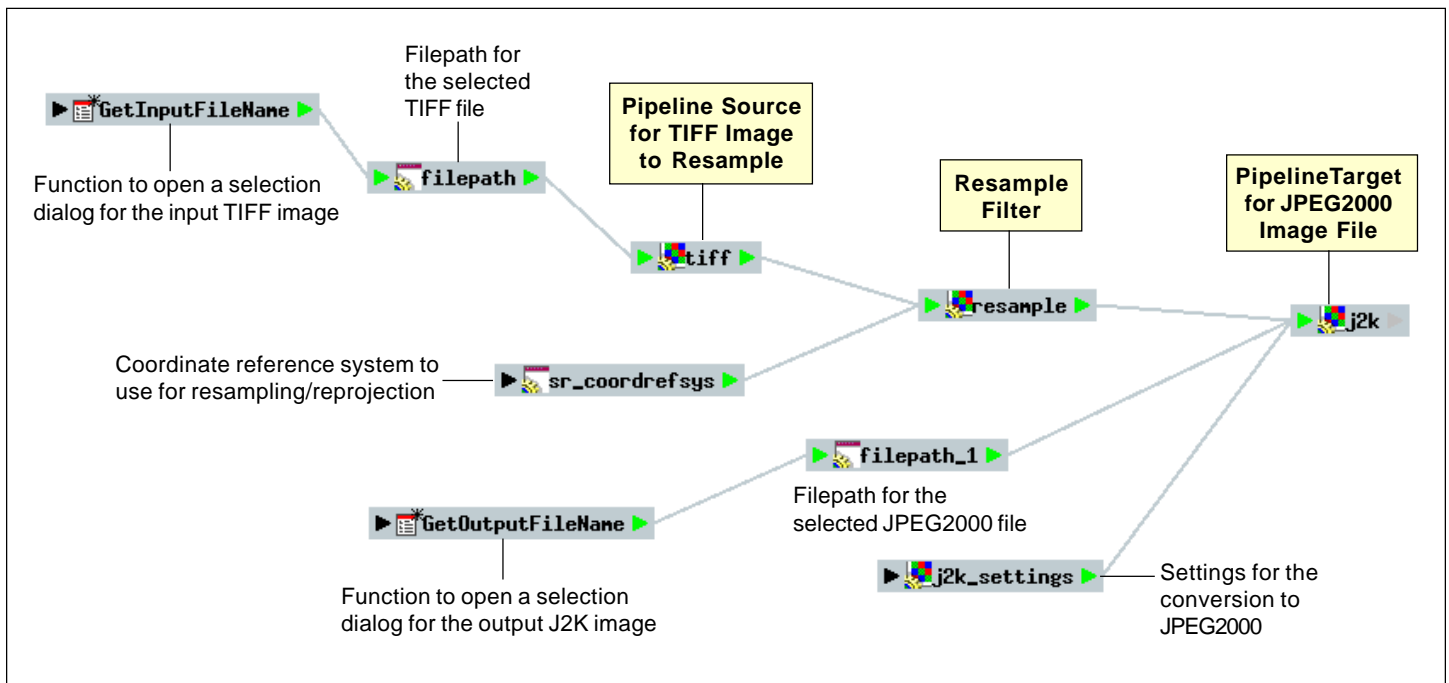
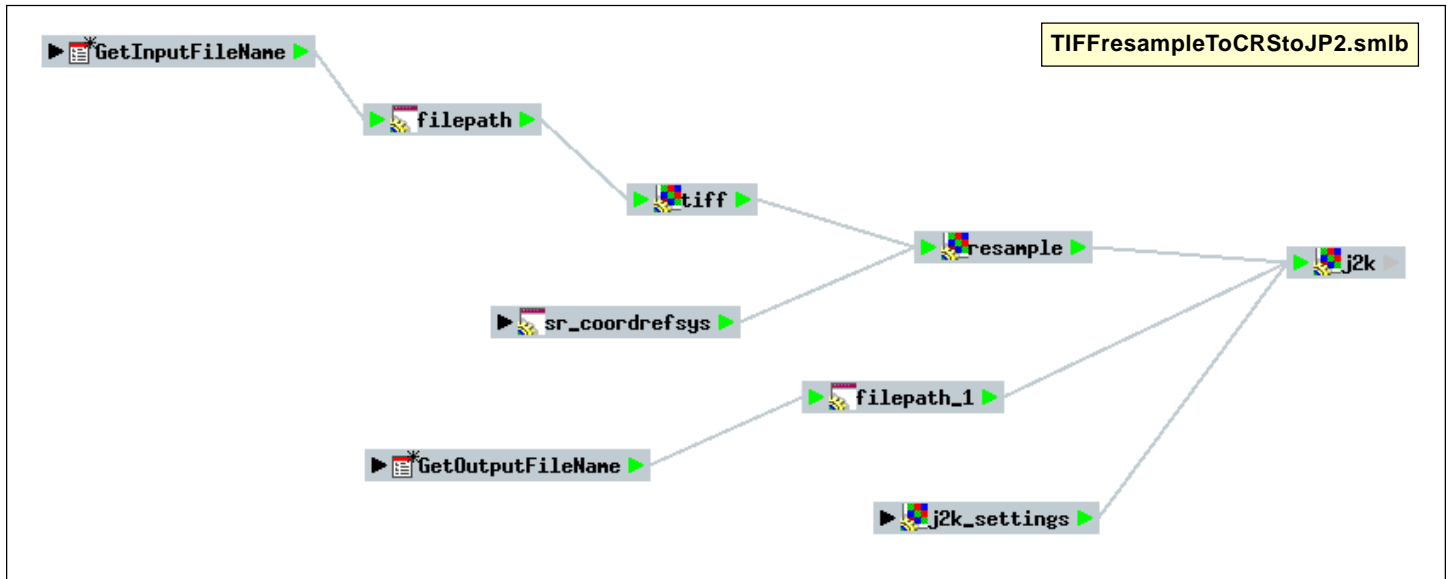


Reproject TIFF and Export to JPEG2000



The Builder sample file `TIFFresampleToCRStoJP2.smlb` generates a script that takes a georeferenced GeoTIFF image as input, reprojects/resamples it to a specified coordinate reference system (WGS84/UTM Zone 12N) and cell size (1 meter), and transforms it to JPEG2000 format (J2K) with 12:1 lossy compression. This structure takes advan-

tage of the modular design of the SML Image Pipeline. This Script Builder sample can be modified easily to substitute different input or output raster file formats (e.g., RVC, PNG, JPEG, MRSID, ERS) or to insert additional image operations (image pipeline filters). The code generated by this Builder file is shown on the reverse.

(over)

Many sample scripts and Script Builder files have been prepared to illustrate how you might use the features of the TNT products' scripting language for scripts and queries. These scripts and Builder files are distributed with TNTmips and also can be downloaded from www.microimages.com/downloads/scripts.htm.

Code generated by Builder example TIFFresampleToCRStoJP2.smlb

```
numeric err = 0;
### GetInputFileName ###
string str_1 = GetInputFileName("c:/data/", "Choose input TIFF:", ".tif");

### filepath ###
class FILEPATH filepath(str_1);

### tiff ###
class IMAGE_PIPELINE_SOURCE_TIFF tiff(filepath);
err = tiff.Initialize();

### sr_coordrefsys ###
class SR_COORDREFSYS sr_coordrefsys("11844");

### resample ###
class IMAGE_PIPELINE_FILTER_RESAMPLE resample(tiff,
sr_coordrefsys, 1, 1, "Bicubic");
err = resample.Initialize();

### GetOutputFileName ###
string str_2 = GetOutputFileName("c:/data/", "Choose output J2K:", ".j2k");

### filepath_1 ###
class FILEPATH filepath_1(str_2);

### j2k_settings ###
class IMAGE_PIPELINE_TARGET_J2K_SETTINGS j2k_settings;
j2k_settings.SetReversible(0);
j2k_settings.SetTargetRatio(12);

### j2k ###
class IMAGE_PIPELINE_TARGET_J2K j2k(resample, filepath_1,
j2k_settings, "ArcWorld");
err = j2k.Initialize();
err = j2k.Process();
```