



Web: <http://www.geosage.com/>

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Spectral Transformer Fc2Tc-CIR:

Simulating natural-colour composite from popular colour infrared (CIR) imagery

Features:

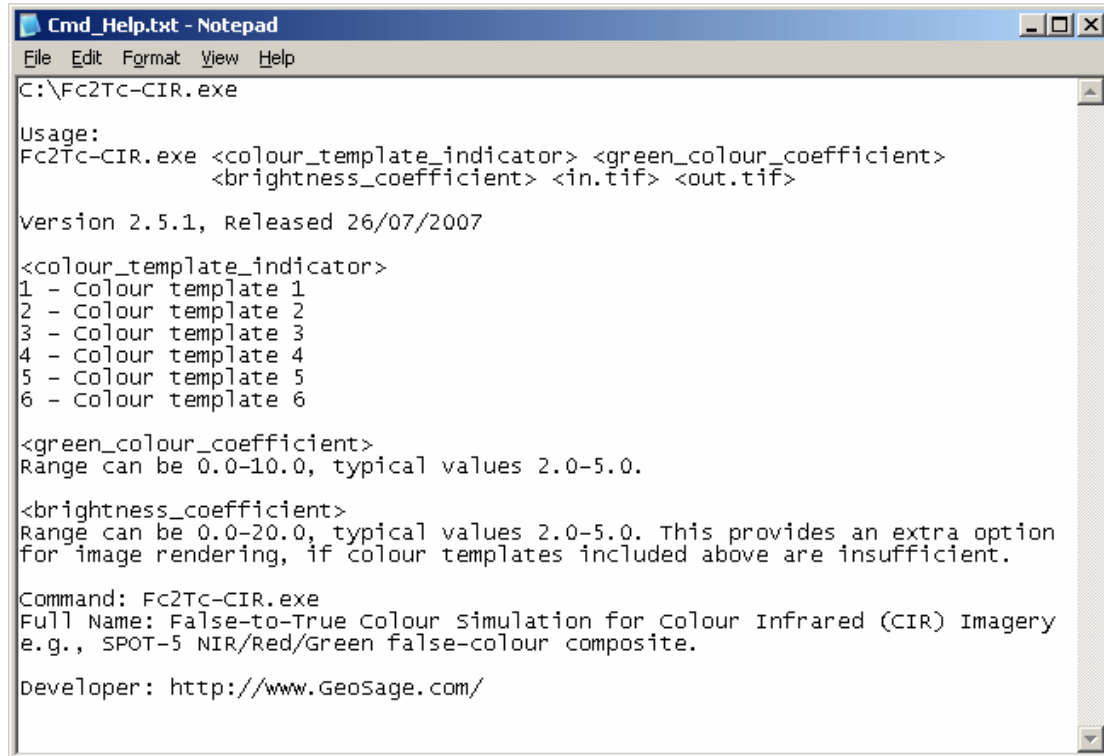
- **A powerful, easy-to-implement utility tool in the form below**

```
C:\Fc2Tc-CIR.exe <colour_template_indicator>  
<green_colour_coefficient> <brightness_coefficient>  
<InputFile_GeoTIFF> <OutputFile_GeoTIFF>
```

1. **Direct processing 3-band (band order R/G/B), 8-bit input imagery in uncompressed GeoTIFF format. Output is in GeoTIFF format as well, without losing any georeference information.**
2. **Processing files up to 4Gb with image size of 36K by 36K pixels.**
3. **Support for batch processing, without limit on the number of images to be processed.**
4. **A total of six methods or colour templates provided.**
5. **Option for green colour enhancement.**
6. **Extra options for nonlinear image stretches.**
7. **Applicable to**
 - **Near Infrared/Red/Green false-colour composite of image sources such as SPOT-5 and ASTER;**
 - **Near Infrared/Red/Green false-colour composite of any other satellite sensors; and**
 - **Near Infrared/Red/Green false-colour composite of any aerial sensors.**
8. **Generous technical support.**

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```
Cmd_Help.txt - Notepad
File Edit Format View Help
C:\Fc2Tc-CIR.exe

Usage:
Fc2Tc-CIR.exe <colour_template_indicator> <green_colour_coefficient>
               <brightness_coefficient> <in.tif> <out.tif>

Version 2.5.1, Released 26/07/2007

<colour_template_indicator>
1 - Colour template 1
2 - Colour template 2
3 - Colour template 3
4 - Colour template 4
5 - Colour template 5
6 - Colour template 6

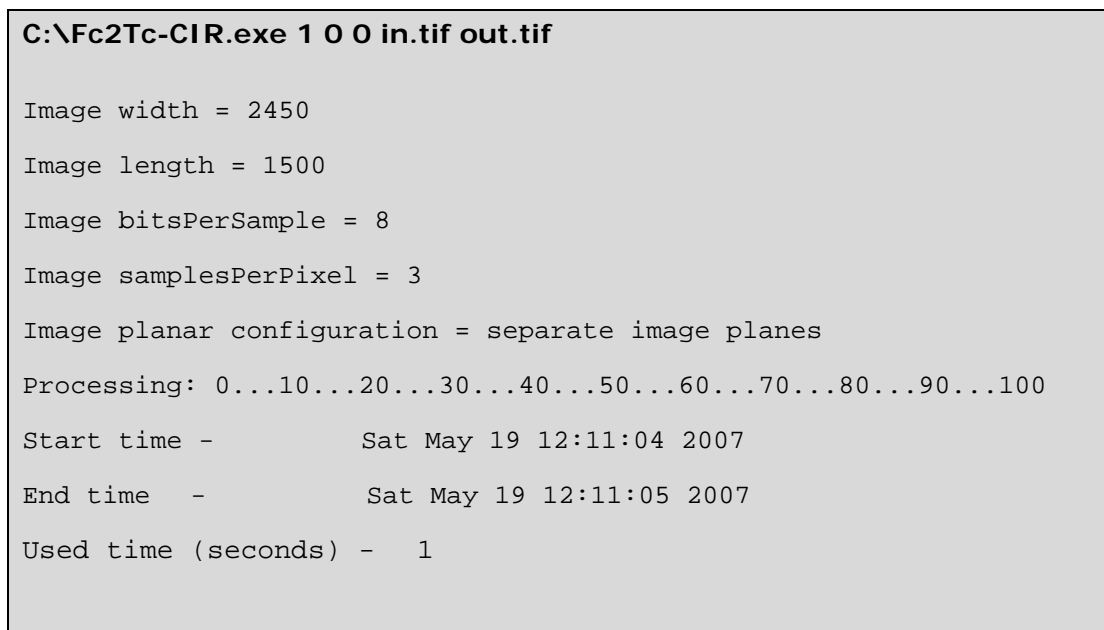
<green_colour_coefficient>
Range can be 0.0-10.0, typical values 2.0-5.0.

<brightness_coefficient>
Range can be 0.0-20.0, typical values 2.0-5.0. This provides an extra option
for image rendering, if colour templates included above are insufficient.

Command: Fc2Tc-CIR.exe
Full Name: False-to-True Colour Simulation for Colour Infrared (CIR) Imagery
e.g., SPOT-5 NIR/Red/Green false-colour composite.

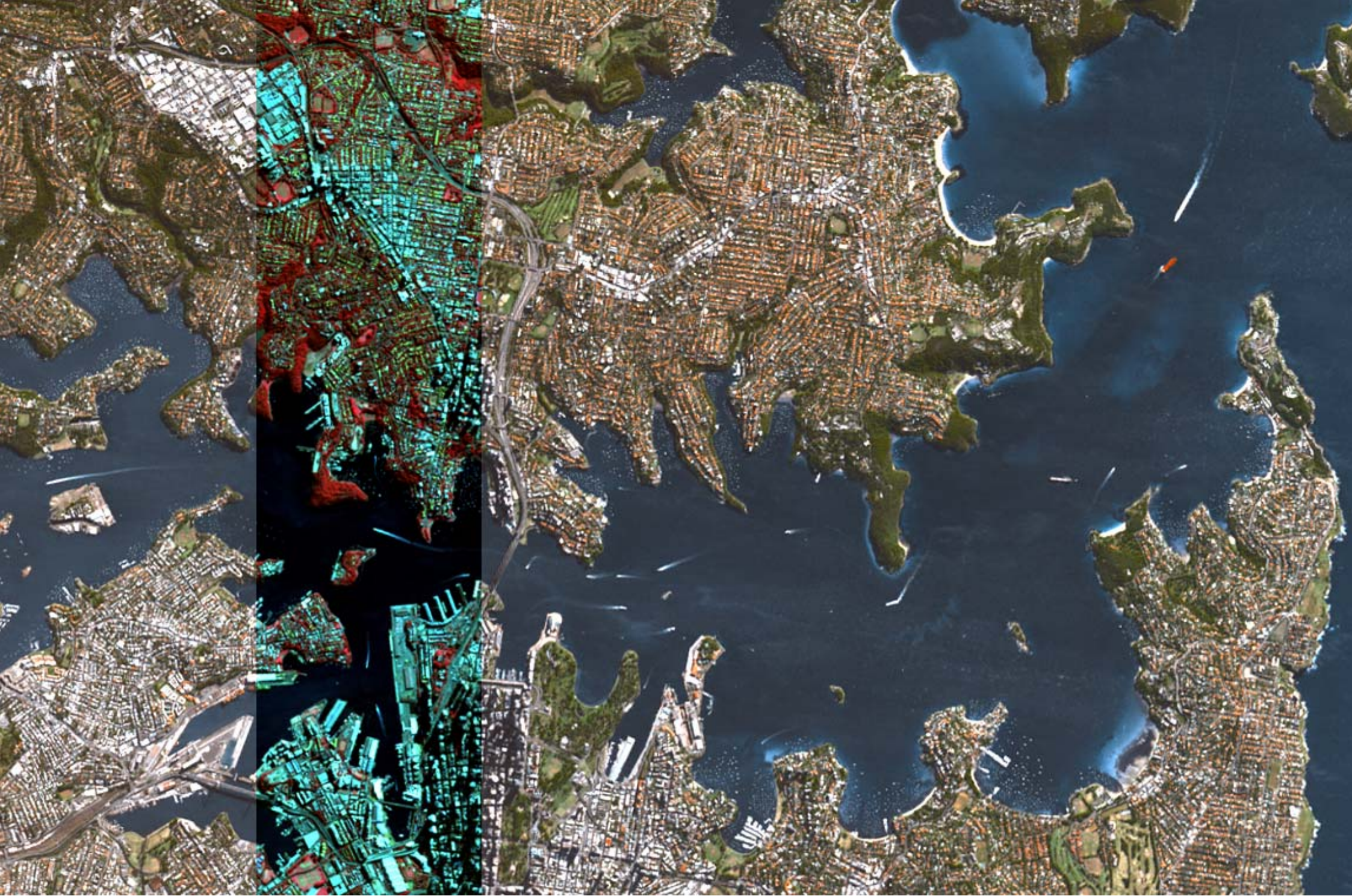
Developer: http://www.Geosage.com/
```

Example:



```
C:\Fc2Tc-CIR.exe 1 0 0 in.tif out.tif

Image width = 2450
Image length = 1500
Image bitsPerSample = 8
Image samplesPerPixel = 3
Image planar configuration = separate image planes
Processing: 0...10...20...30...40...50...60...70...80...90...100
Start time -          Sat May 19 12:11:04 2007
End time   -          Sat May 19 12:11:05 2007
Used time (seconds) - 1
```



Natural-color simulation by HighView from www.GeoSage.com | Middle Insert: Input imagery (false-color NIR/Red/Green)
Image Source: SPOT-5, (C) CNES, 2002. Area: Sydney; Date: 6 July 2002. Courtesy of Raytheon Australia.