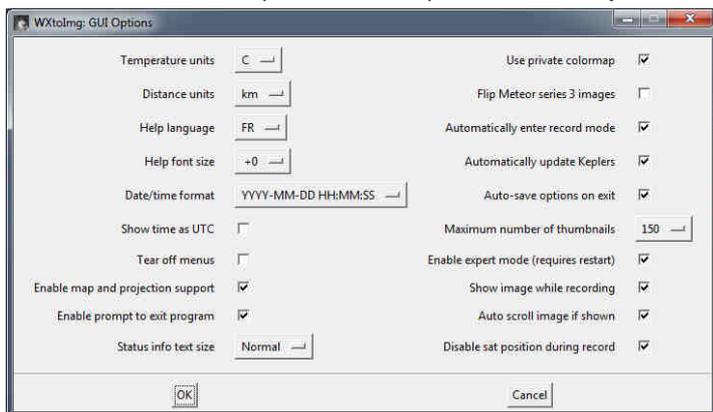


Setting up WXtoImg and SDRSharp for NOAA APT reception

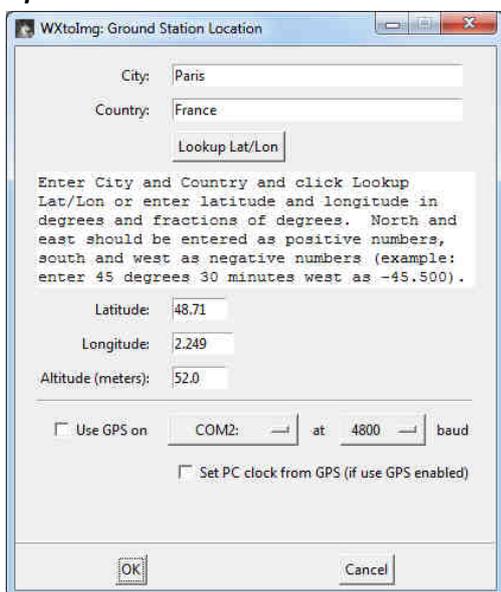
WXtoIMG

1. First, activate some options, like expert mode in **Options > GUI Options...** and restart wxtoimg.



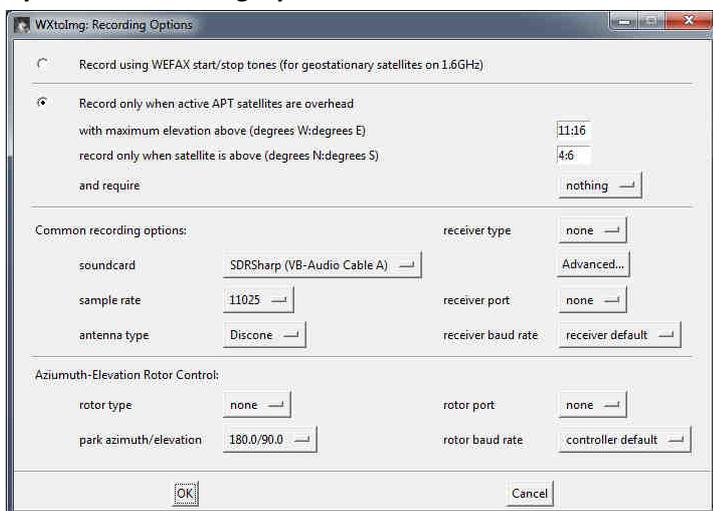
2. Configure your Ground Station Location (important for avoiding overlay errors)

Options > Ground Station Location...



3. Configure options for recording and auto start

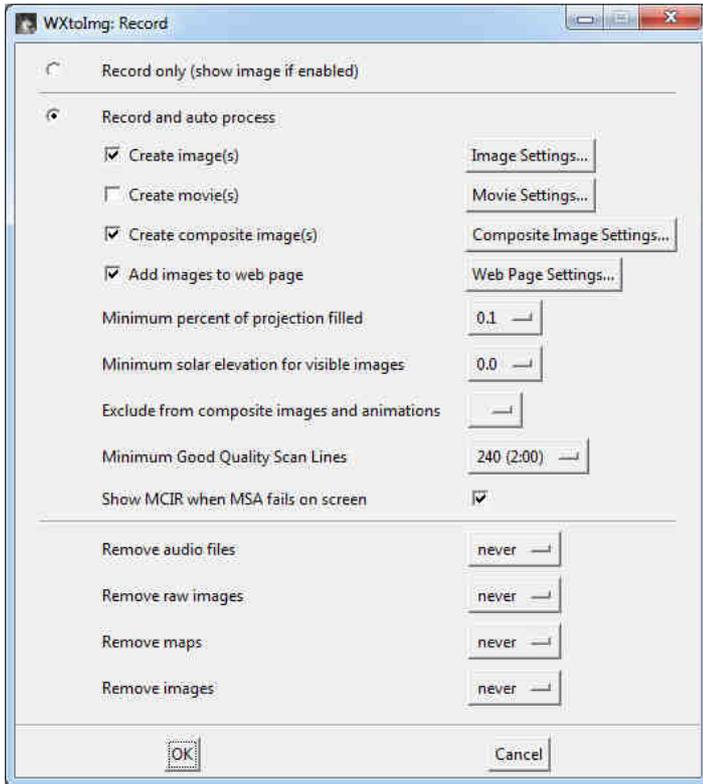
Options > Recording Options...



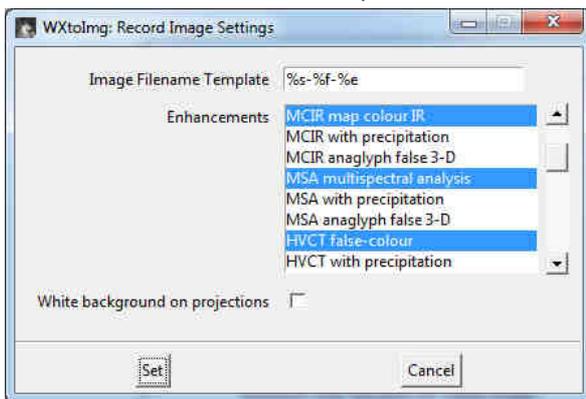
The checked radio box with elevations corresponds to the min and max elevations that will make wxtoimg to start or stop recording. Adapt according to your station on each pass, as this, best result will be obtain after a while.

4. Configure the auto processing for wanted images

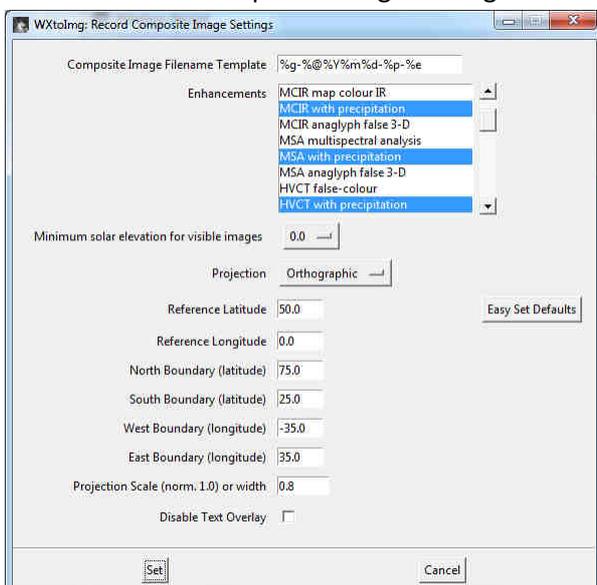
Options > Auto Processing Options...



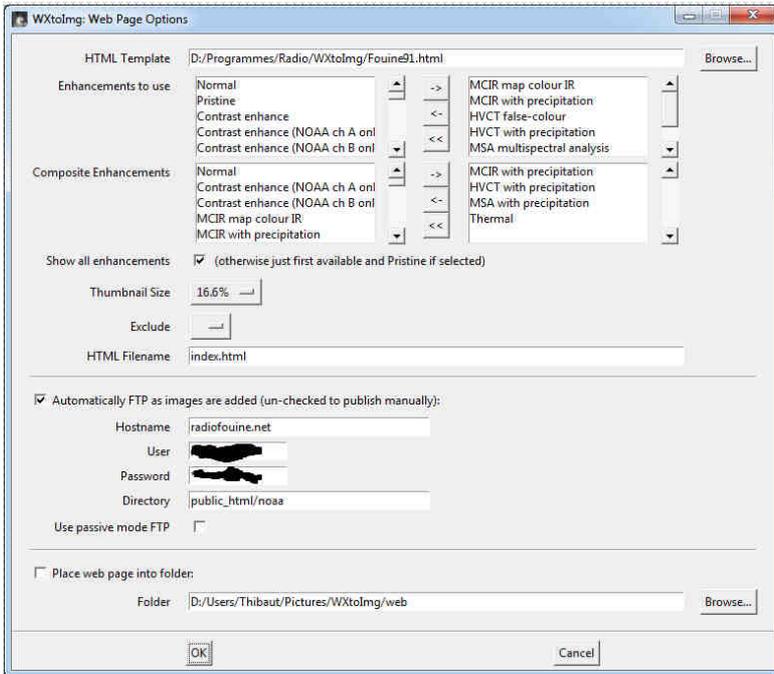
- *Create Images* = Locally auto create some images as configured with the « Image Settings... » buttons, just select wanted enhancements, exemple :



- *Create composite images* = after at least two passes, wxtoimg can create composite images, you can choose which ones with the « Composite Image Settings... » button. Choose the Projection you prefer.



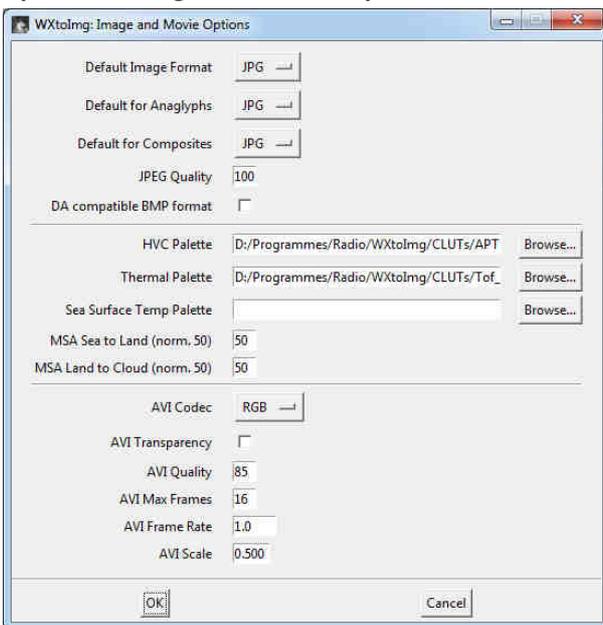
- *Add images to web page* = use previously created images and add them to a web page using a html template file. Choose your template (you can adapt/create one), then the enhancements and composites images previously created. Also, configure the ftp access for your website. I advise to not use an existing folder but a dedicated one (ex : /noaa)



You can see an exemple here : <http://www.radiofouine.net/noaa>

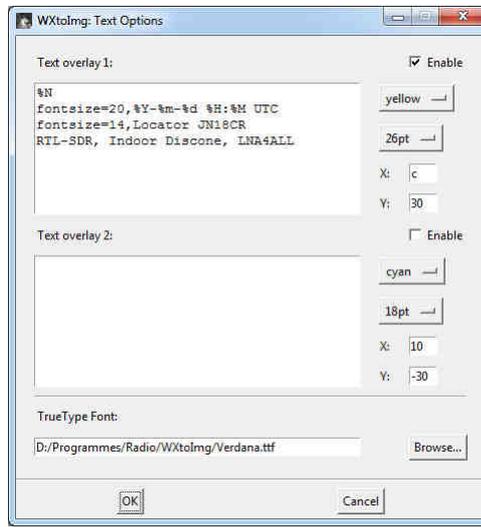
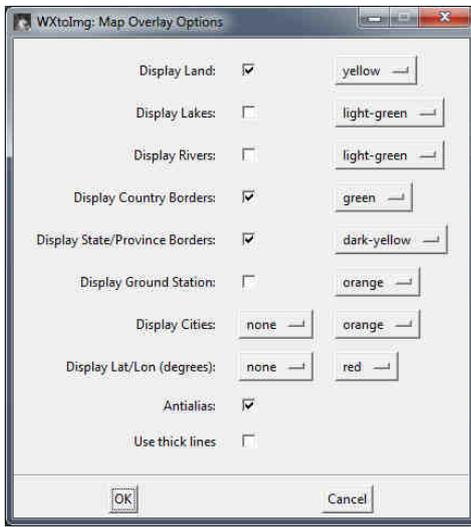
5. Changing the default CLUTs (Color Lookup Palettes) and configuring some image options

Options > Image and Movie Options...



If you can't find CLUT's working with wxtoimg, feel free to contact me : mcfly91 [at] gmail.com, i will send them to you.

6. Some various options i setted



SDRSharp

The RX bandwidth should be setted between 38 and 40 kHz. It works in NFM or WFM, but in this case, the sound volume will be lower. Personally, i use NFM.

NOAA APT transmission is analog, so for best result i use the Audio Processor plugin (« Digital Audio Processor »).

In the Audio Processor plugin, set the IF bandwidth between 500 and 4300 Hz, it should avoid some interferences displayed on the decoded image.

Regarding Orbitron and DDE tracking, it will be explain in a future version of this document.