1) *Dependencies :*

   To run PlanetSasha you need a working installation for :
   - grass-6.5.svn
   - ossim svn (ossim-executable, ossimplanetQt)
   - python (numpy, scipy, psycopg2, pysqlite, pyserial, pyqt)

2) *Download the PlanetSasha source code from the svn repository :*

   - svn co http://svn.osgeo.org/ossim/trunk/gsoc/PlanetSasha PlanetSasha

3) *copy the grass scripts :*

   - ossim/gsoc/PlanetSasha/grass_script/d.png.legend
   - ossim/gsoc/PlanetSasha/grass_script/ogrTovrt.py
   - ossim/gsoc/PlanetSasha/grass_script/r.planet.py
   - gsoc/PlanetSasha/grass_script/v.planet.py

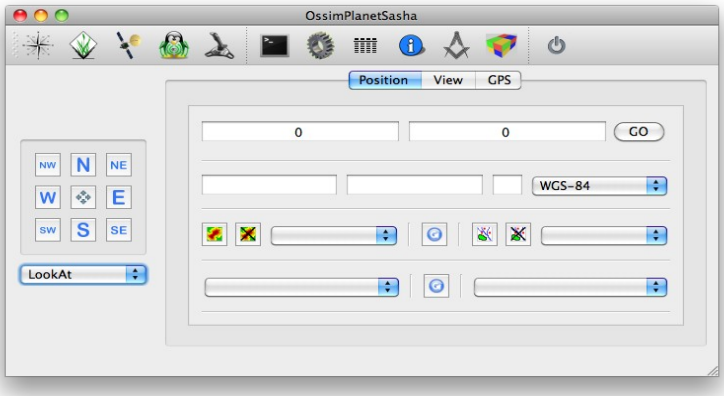
   in the grass scripts directory
   (usually it is : /usr/local/grass-6.5.svn/scripts/)

4) *Start Grass*
   - As test-case start grass and use the spearfish location avaiable here [1])
   [1] : http://grass.itc.it/sampledata/spearfish_grass60data-0.3.tar.gz

5) *Start PlanetSasha :*

   - from the grass shell, type :
   python2.6 /path/to/PlanetSasha/PlanetSasha.py &

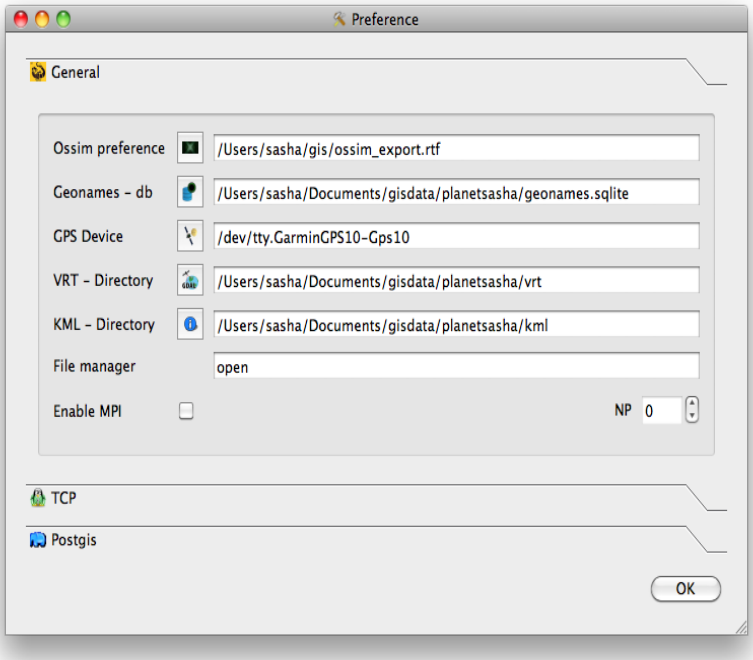
- this will open the PlanetSasha main gui:

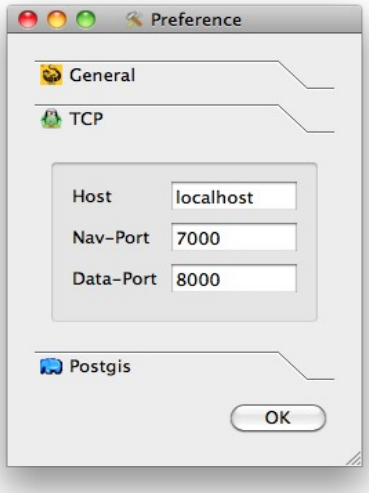


6) *Configure PlanetSasha :*

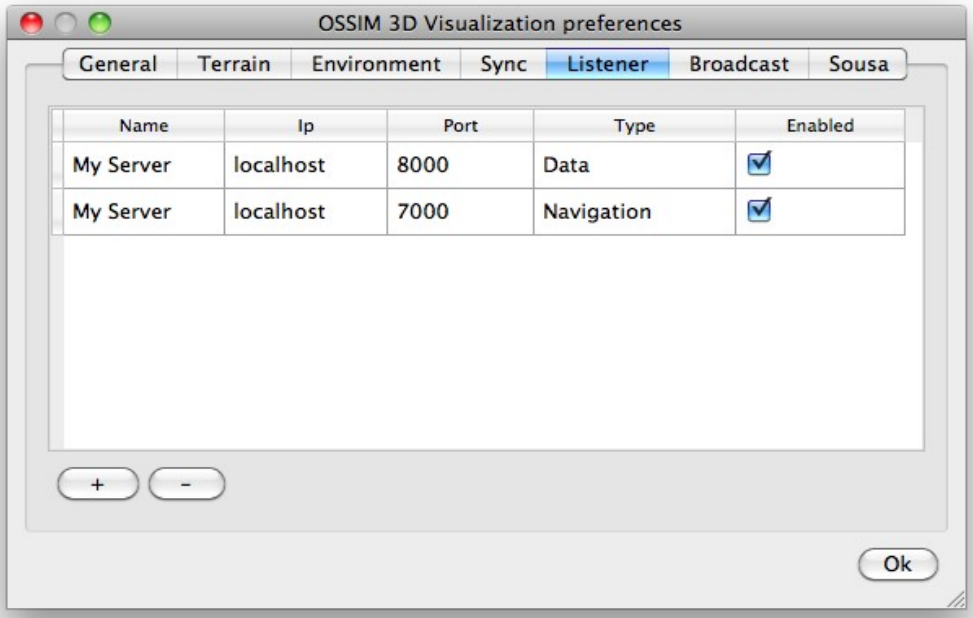
- on the top, in the menu-bar, select the preference menu

- set-up the needed files/path (*) :





7) Set up OssimPlanetQt TCP listner :



8) First usage :

- From the PlanetSasha main window
– check the "grass icon" (1) on the toolbar (it will sincronize the pan-toolbox with the active grass region)
– Press the refresh button (3) to refresh the list of available layers in the active mapset
Press the refresh button (4) to refresh the data from the spatialite db
– Click on the "recenter button" (2) to center the ossimplanet camera to the grass region.