

Complete following steps to install software and start-up the laboratory sessions:

1.- Open the zipped tar file "gLAB_v2.0.0_LinuxSetup_Summer_School_2014_Ostrava.tgz" in the home directory:

```
-----  
cd ~  
tar xvfz gLAB_v2.0.0_LinuxSetup_Summer_School_2014_Ostrava.tgz  
==> The directory "SUMMER_SCHOOL" will be created.
```

2.- Compile the the programs:

a) PREVIOUS:

The following packages are required: Python, gawk, gcc, fort77

These packages can be installed in UBUNTU as follows:

- Installing Python (this is necessary for gLAB GUI and for graph.py):

```
sudo apt-get install python python-wxtools python-matplotlib python-tk
```

- Installing gawk:

```
sudo apt-get install gawk
```

- Installing C compiler (gcc)

```
sudo apt-get install gcc
```

- Installing FORTRAN compiler (f77)

```
sudo apt-get install fort77
```

b) TUTORIAL-SOFTWARE COMPILATION:

- Go to directory "SUMMER_SCHOOL":

```
cd ~/SUMMER_SCHOOL
```

- Compile and install the programs by executing:

```
make  
make install  
make clean
```

3.- Start up the laboratory session:

In the "SUMMER_SCHOOL" directory:

- Start "Applied Lecture" exercises following the instructions of slides "GNSS_Data_Processing_2014ESS_v1.0.1.pdf"

Note: See also the notepad "notepad.scr" (you can find this notepad file is in the directory ~/GNSS).

NOTEPAD files:

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The "notepad.scr" files contain the command line sentences of the exercises for the Applied Lecture. These notepad are provided to help the user in the sentence writing, which can "COPY" and "PASTE" such sentences in the working terminal.

For those exercises where gLAB is executed using the Graphic User Interface (GUI), the equivalent "command line gLAB sentence" and the associated "gLAB configuration file" (i.e. gLAB.cfg), if needed, are also provided in the "WORK_FILES" directory.

NOTE:

The notepad "notepad.scr" file is a UNIX script that execute automatically the entire session when they is executed from home the "SUMMER_SCHOOL" directory. That is:

Execute for instance:

```
cd ~/SUMMER_SCHOOL
./notepad.scr
```

The directory "FIG" will be created withing the "WORK_FILES" directory.

That is:

```
~/SUMMER_SCHOOL/WORK_FILES/FIG
```

The directory "FIG" will contain the plots generated by this script.