Installation of **cleanstrain+ Step 1**

untar files into a directory

Step 2:

Download the latest version of est_noise and install it. For Linux with gfortran, it can be difficult locating the openblas libraries. But, the documentation with est_noise should help.

http://earthquake.usgs.gov/research/software/#est_noise

Step 3

change directory to .../Progs

use script to compile programs; For the Intel Mac, use ./comp_mactel+   For Linux, use either comp_gfortran+ or comp_ifort+. comp_ifort+ uses the faster, Intel compiler and MKL libraries

Step 4

The GMT plotting library needs to be present. I use version 4.1 or greater since these newer versions have sensible time axis.

And, the command 'convert' needs to be present. On the Mac, you can get that through the fink package manager; you'll want the ImageMagick stuff.

In addition, you'll need the bottle processing software, xqp, bag, catbot, too. These can be downloaded from the same directory has you got cleanstrain+

Step 5

The program baytap needs to be installed; Kathleen H. at Unavco has some concise instructions on its installation; it is included here as install_baytap.pdf.

Step 6

Depending upon your installation, you'll need to edit the script called Edit_files_for_install+ which identifies the directories where the various supporting programs are located; there are 4 lines that you need to edit; follow the instructions in this script. The script is set-up to run on my computer where the resident directory for cleanstrain+ is /home/langbein/proglib/Strain, the GMT programs are located in /usr/local/GMT4.1.4/bin, the bottle routines are /usr/local/LOWFREQ, and baytap is located in

/home/langbein/proglib/baytap/baytap.

Step 7

Finally, you might want to look at the example in the EXAMPLE directory.