**Document for the PTPS\_GUI**

Changing (replace) some parameters in main program ”velocitychange2.m” for connection refer and daily CCFs (Head File of the Sac) calculated by other programs. If the CCF are calculated by this program, skip this step. The name and the file see “\prodata\3stk” “\prodata\2refer”



hd(1)=dt

hd(51)=station pair distance

hd(33)=longitude of station 1

hd(32)=latitude of station 1

hd(33)= longitude of station 2

hd(32)= longitude of station 2

(1) Open the file "velocity change2.ini" and modify parameters

//initial input for vc system.

//directory

Datrefer=prodata\2refer\ %%→refer CCF FilePath

Datstk=prodata\3stk\ %%→daily CCFs FilePath

Datout=yp.txt %%→output file name, see function "savep.m"

lf=1/6 %% initial filter low-frequency(can be changed in the GUI)

hf=1/5 %% initial filter high-frequency(can be changed in the GUI)

Key=refer %% JOKAHHZSTCDHHZ

reg=-156 -154.5 18.9 20.2 %%map range

dtime=200 %%CCF time length (-200s 200s)

time=-40 40 %%display time-window range (s)

daylm=0 160 240 %%0 20 80--not works 1; 1 20 80--measure 20 to 80 days

(2) Run main program "velocity change2.m"

