

Visualization and data processing of GPS velocity data

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1 Input file format

File naming: Data file for GPS velocity data should be named as "GPS_???.txt". Here, identifier "GPS_" and extension of ".txt" are unreplaceable. Follows show an example of a text file in ASCII code. Lines started with "!" are used for comments such as data sources and references. Default unit of velocity is mm/yr, it could be cm/yr if the first comment line contains "cm/yr".

```
!GPS velocity(cm/yr):09-11, by WangQi
!Ref: Li Q. et al. A precise velocity field of tectonic deformation in China as inferred
!from intensive GPS observations. Sci. China, 2012, 55(5):695-698.
!TITLE=Vew Vsn Eew Esn corr Station
112.61  41.27  0.284  -0.038  0.2  0.34  -0.04  A001
.....
Longitude Latitude V(EW) V(NS) Error(ES) Error(NS) Correlation Station
```

2. Visualization options

Data points are separated by Voronoi diagram and connect by Delaunary triangles.

