Assessing GNSS-derived displacements at the near and far-field of the 2023 Turkey earthquake doublet



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Introduction

Processing & Analysis

TEST

Current Status & Future Work

Currently

References

Contact Information

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test

Network & Data processing

57 continuously operating GNSS stations in distances ranging from 900km to 1400km from the epicenter Receiver type: LEICA

- most of them GR30

- also GRX1200GGPRO / GRX1200+GNSS

Antenna type LEICA
- LEIAR10 / LEIAS10

- few stations: LEIAX1202GG

Observation interval: 1s

Precise Point Positioning w Ambiguity Resolution

Sat systems:

GPS / GLO / GAL / BDS-2/3

Elevation angle: 7 deg

-Kinematic mode

Reference Frame: IGS20

Final IGS Products for satellite:

- Orbits (.SP3)
- Clocks (.CLK)
- Earth Orientation Parameters (.ERP)
- Attitude (.OBX)
- Bias (.BIA)

ANTEX File: IGS20_2247

For Tropospheric modeling: VMF1

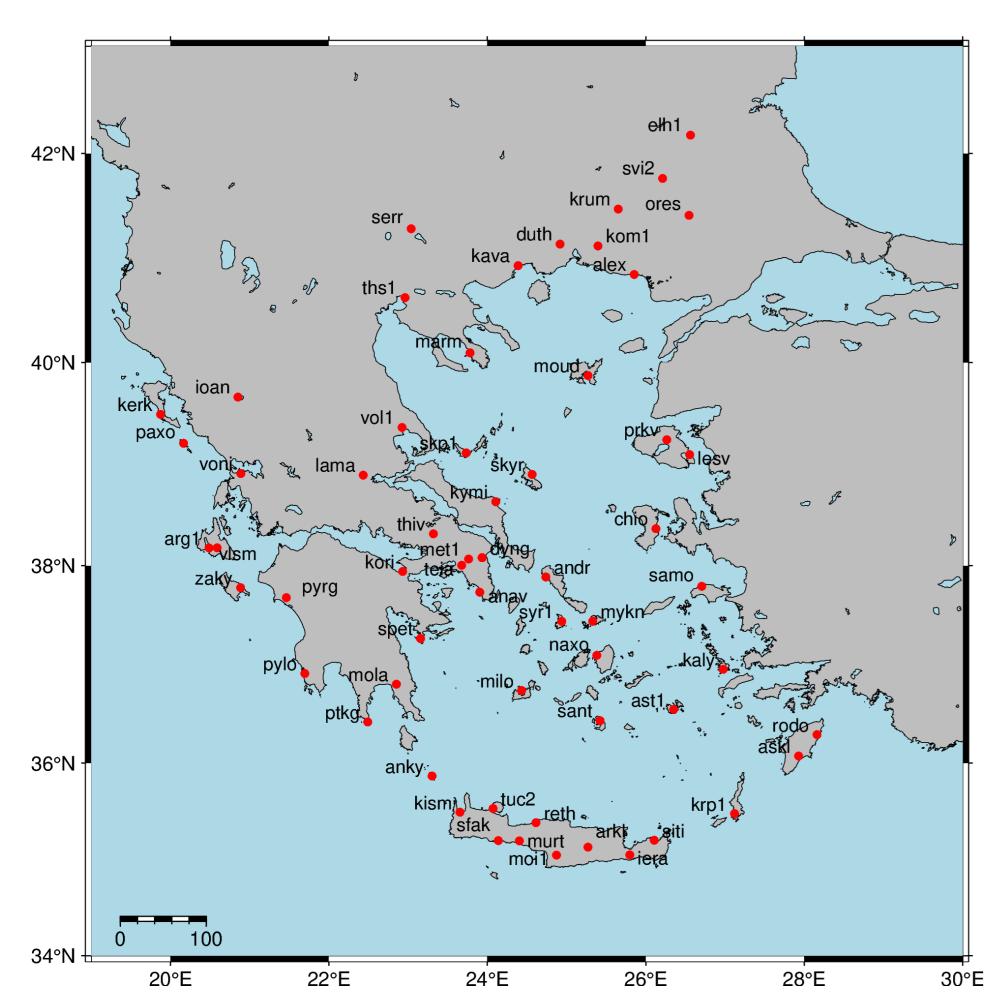


Figure 1:Processed stations.





