

**Pre-seismic and co-seismic interferometric products from the automated service
geObservatory of the Operational Unit BEYOND Center of IAASARS/NOA.**

All pre-seismic and co-seismic interferograms for all major earthquakes worldwide, are available in the geObservatory service (<http://geobservatory.beyond-eocenter.eu/>).

In turkey2023 directory, interferograms, along with other interferometric products for the Turkey 2023 earthquake sequence are available.

Processing of Sentinel-1 images is performed with ENVI SARscape.

The displacement files are unreviewed, as no reference to a known stable location on the ground is added. However, it serves as an indication of ground displacements caused by the earthquake.

The *CENTRALTURKEY_20230206011734* directory corresponds to the M7.8 earthquake, the *CENTRALTURKEY_20230206102449* corresponds to the M7.5 earthquake and the *TURKEYSYRIABORDERREGION_20230220170428* corresponds to the M6.3 earthquake.

In each directory, folders with the naming *pre_<primary date>_<secondary date>_<orbit>_<direction>* and *co_<primary date>_<secondary date>_<orbit>_<direction>* correspond to pre-seismic and co-seismic interferometric products respectively.

Interferograms are named after “file_result_Interf_fint_geo_ql”

Coherence maps are named after “file_result_Interf_cc_ql_geo_ql”

Displacement maps are named after “file_result_reflat_geo_disp_ql”