

Data readme

A. Files with calculated moment tensors (MTs)

1. **moments_389.dat** – calculated Moment tensors for 389 events of the 2017 swarm
2. **moments_182.dat** – calculated Moment tensors for 182 high-quality events of the 2017 swarm used for the analysis of stress

Variables

id_event, event_origin_time, event_latitude, event_longitude, event_depth, magnitude, M11, M12, M13, M22, M23, M33

Description of variables

Parametres of events with double difference locations (id_event, event_origin_time, event_latitude, event_longitude, event_depth, magnitude)
Moment tensor (M11, M12, M13, M22, M23, M33)

B. Files with errors of calculated moment tensors (MTs)

3. **moments_errors_389.dat** – errors of calculated Moment tensors for 389 events of the 2017 swarm
4. **moments_errors_182.dat** – errors of calculated Moment tensors for 182 high-quality events of the 2017 swarm used for the analysis of stress

Variables

dc, clvd, iso, mean_dc, standard_deviation_dc, mean_clvd, standard_deviation_clvd, mean_iso, standard_deviation_iso, mean_deviation_P, mean_deviation_T

Description of variables

MT components after decomposition to DC and non-DC in [%] (dc, clvd, iso)
Statistics of MT component determination of 100 repeated realizations of noise to obtain statistically significant results (mean_dc, standard_deviation_dc, mean_clvd, standard_deviation_clvd, mean_iso, standard_deviation_iso)
Statistics of P/T axes determination of 100 repeated realizations of noise (mean_deviation_P, mean_deviation_T)