

## 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)