

## **T1.5-P45. The Magnitude of Completeness (Mc) in Aswan Seismic Network Earthquakes Catalog, Egypt.**

The magnitude of completeness,  $M_c$ , mapped for Aswan Seismic network Earthquakes Catalog.  $M_c$  was estimated based on the maximum curvature method. It is found to be 2.1 for the entire interface catalog. In all catalogs studied,  $M_c$  was strongly heterogeneous. The magnitude of completeness,  $M_c$  varies from 1.2 to 2.5. The lowest  $M_c$  is observed eastern side of Kalabsha fault and the highest  $M_c$  appears near the western side of Kalabsha fault. The magnitude of completeness,  $M_c$  is approximately  $2.2 \pm 0.13$  in most parts inside the zone(A) at focal depth ranges between 18 to 30 km,  $2.3 \pm 0.3$  at focal depth ranges between 1 to 18 km,  $1.4 \pm 0.2$  at focal depth ranges between 1 to 9 km,  $1.9 \pm 0.2$  at focal depth ranges between 1 to 18 km,  $2.1 \pm 0.26$  ( zone F) which focal depth ranges between 1 to 8 km,  $1.8 \pm 0.19$  ( zone G) which focal depth ranges between 1 to 8 km, and 1.8 in most parts ( zone H) at focal depths greater than 1 and less than 5 km.

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