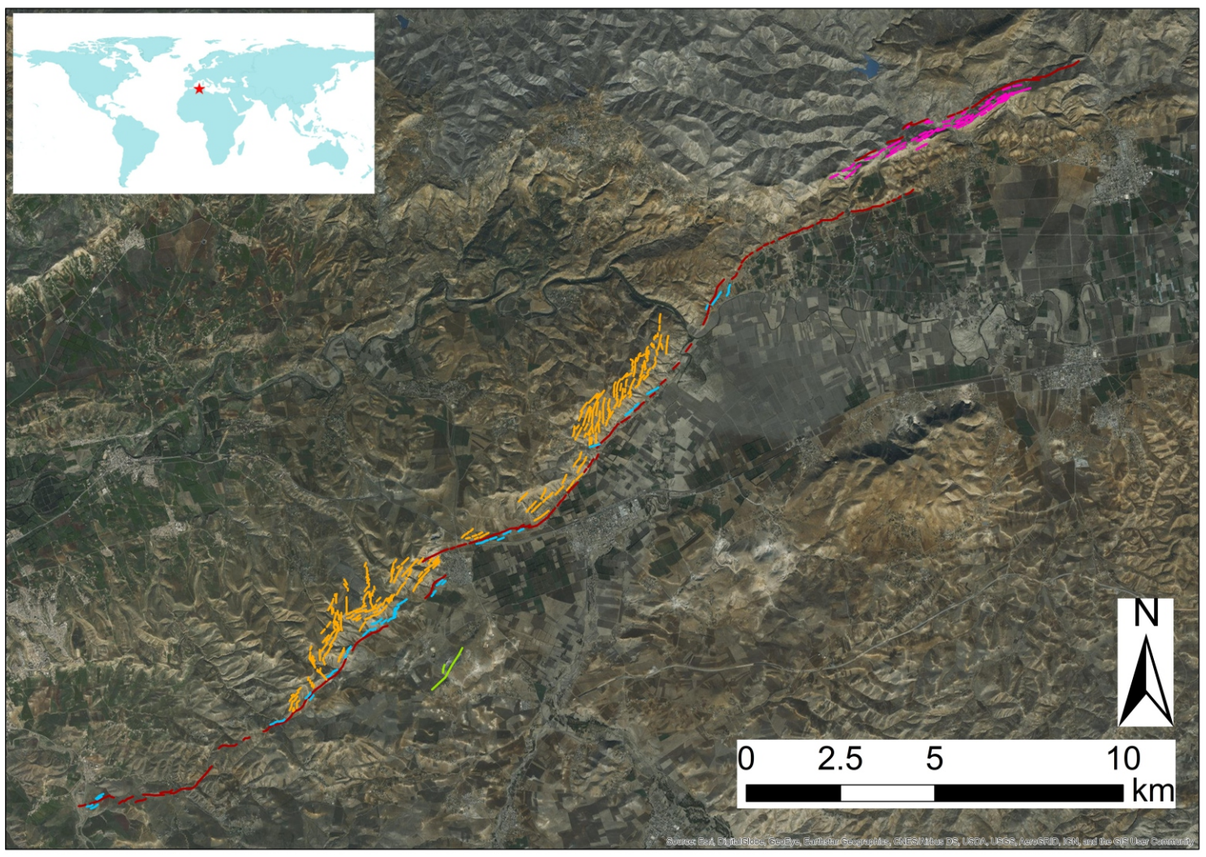
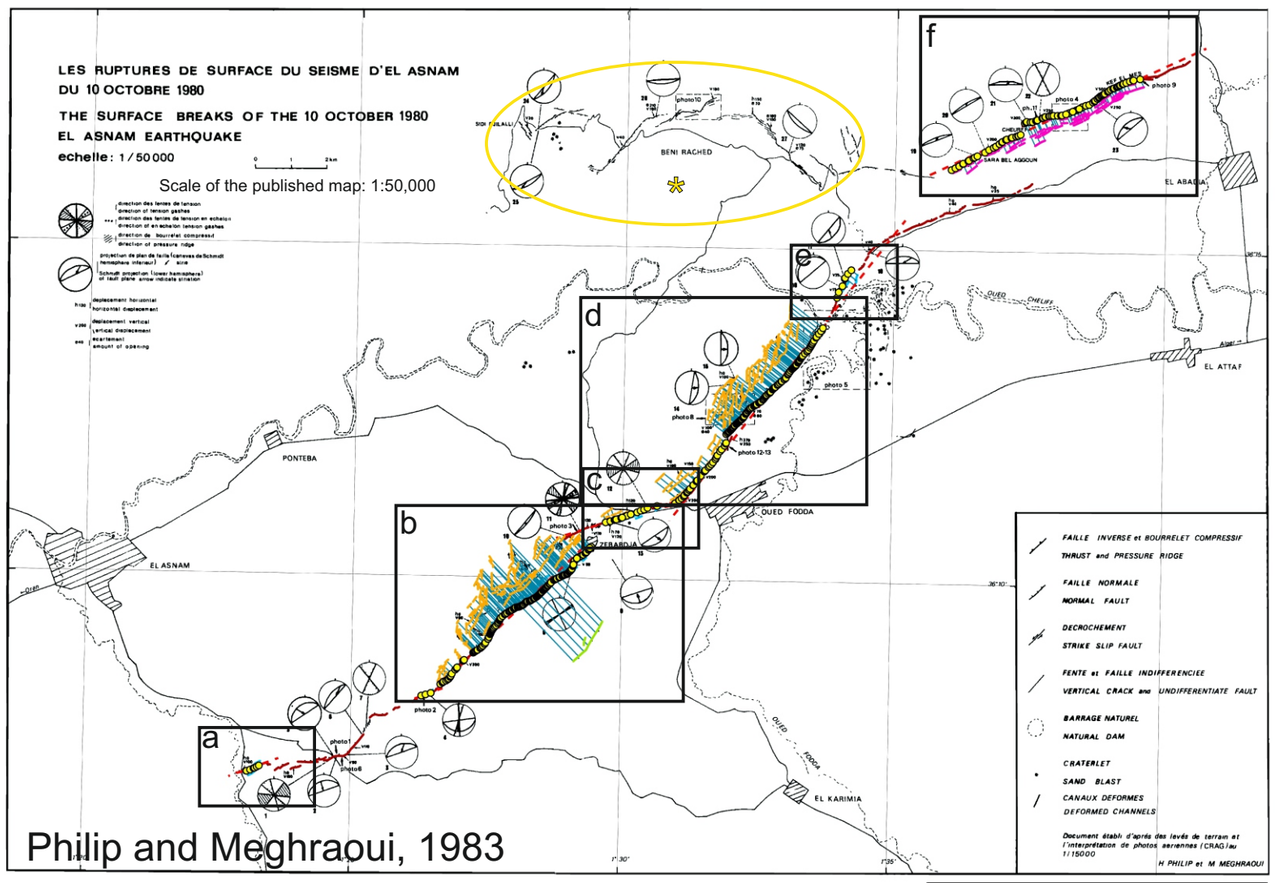




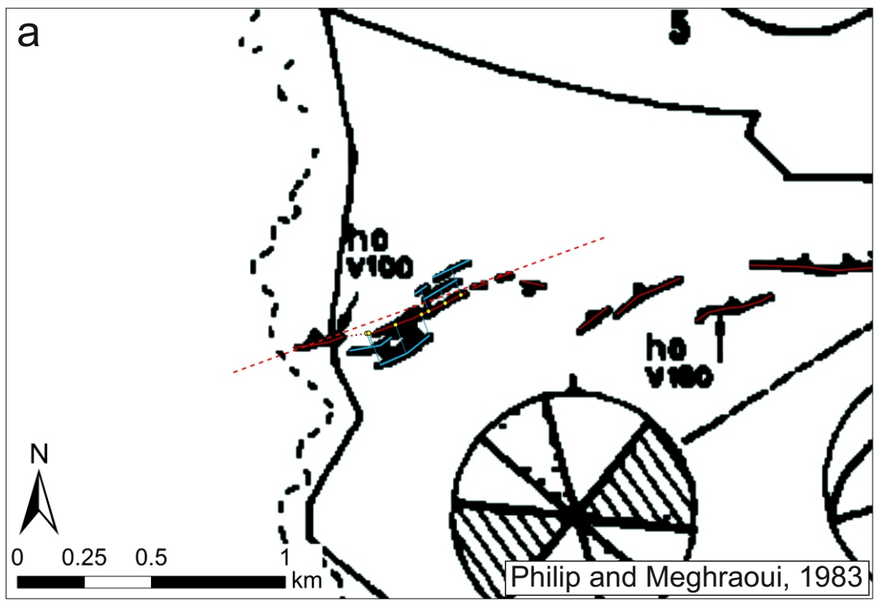
Earthquake	**El Asnam, Algeria**
Date	1980.10.10
Magnitude	M_s 7.3, M_w 7.1
Kinematics	R
Surface rupture length (km)	31
Maximum displacement (m)	6.5
Depth (km)	10 (USGS)
References	See Table 1 and Table S1

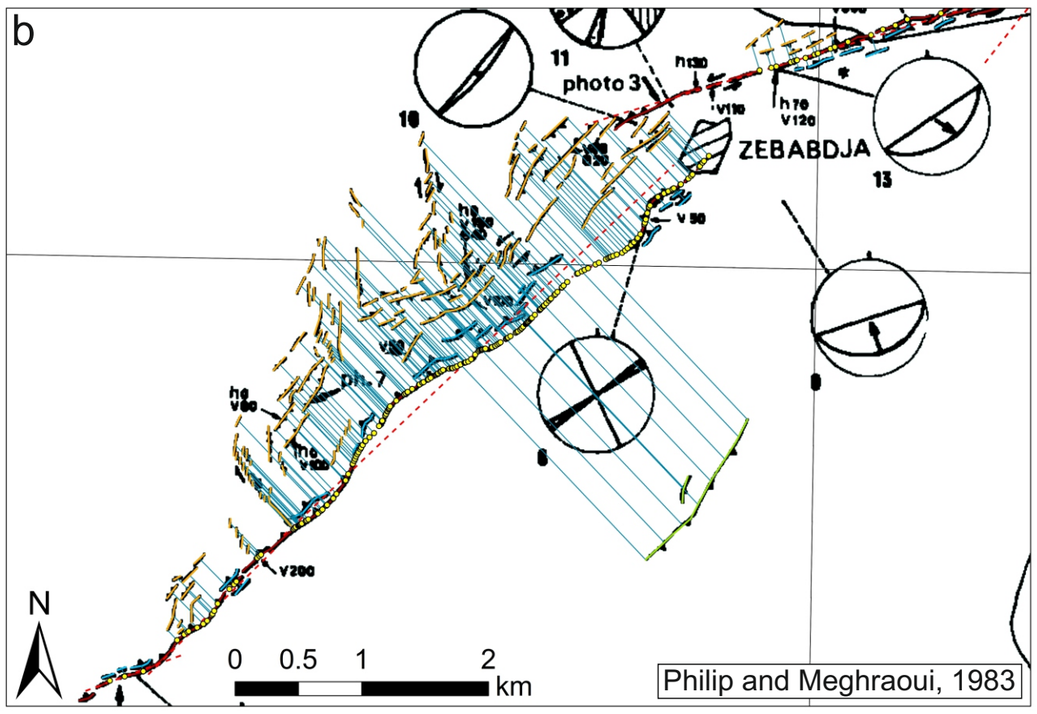
Symbols

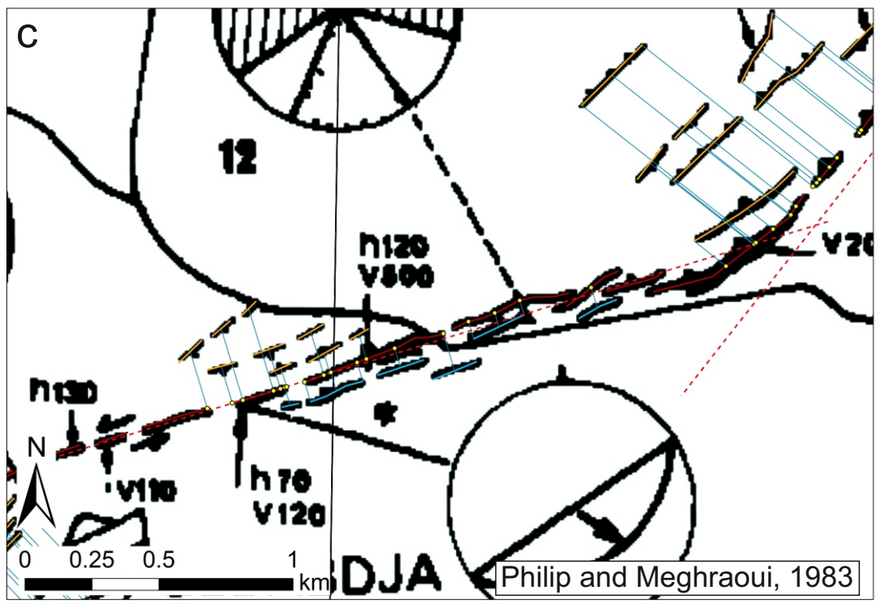
- Principal fault rupture (PF)
- Inferred trace of the principal geologic fault
- Average PF direction
- Distributed rupture (DR)
- Bending-moment fault rupture (B-M) (distributed faulting)
- Flexural-slip fault rupture (F-S) (distributed faulting)
- Sympathetic fault rupture (Sy) (distributed faulting)
- Measurement point
- Measured distance (r)

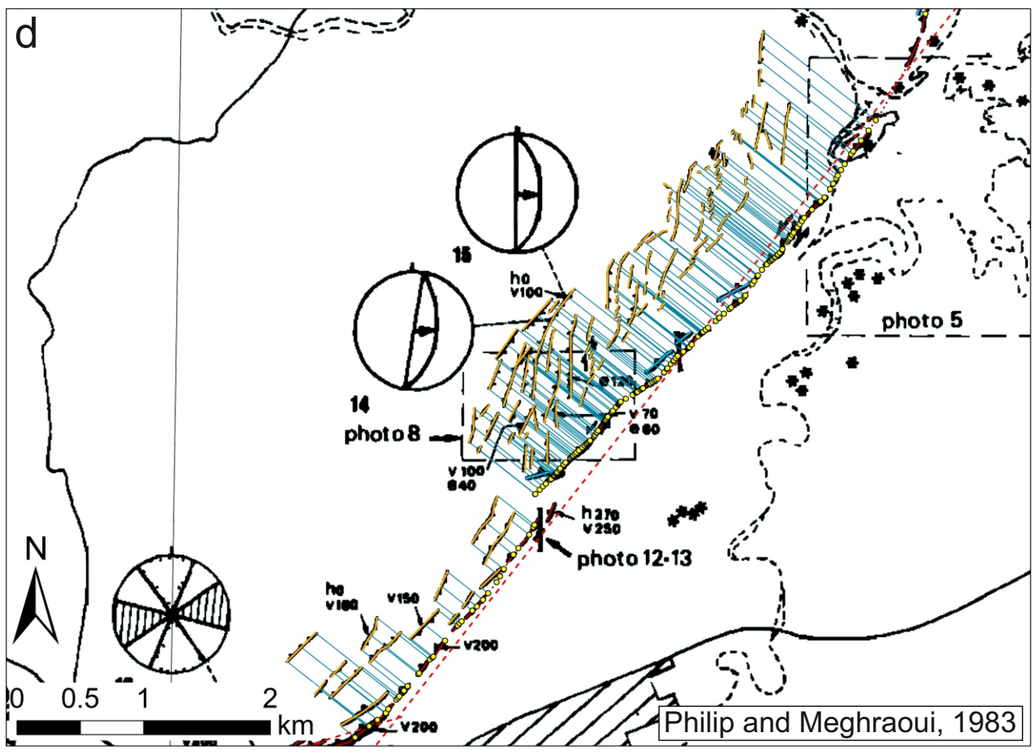
✱ "Beni Rached" rupture zone: normal fault ruptures interpreted to be related to either or both (Yelding et al., 1981; Philip and Meghraoui, 1983):
1) very large gravitational sliding;
2) surface response of an unconstrained deep tectonic fault (also responsible for the 1954 M 6.7 earthquake).

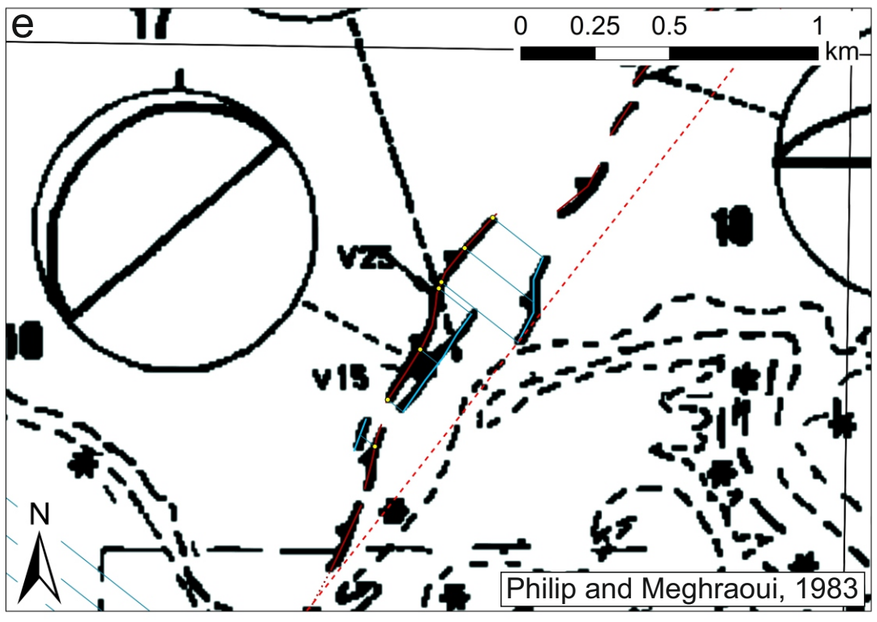
Not measured due to the large uncertainties concerning its primary origin.











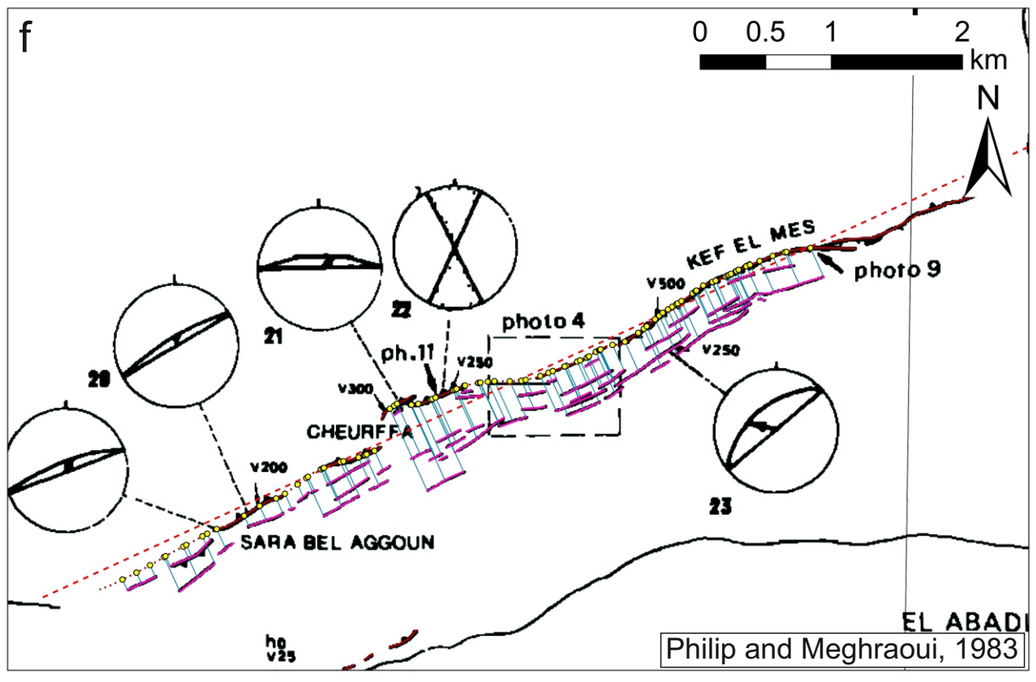


Figure S2