

# Earthquake 20 July 2011 in Tajikistan

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Dushanbe, REACT, 3.08.2011

- 20 July 2011, 00 36 min (local time)  
19 July 2011, 19 36 min (Greenwich)
- Epicenter on Kyrghyzstan territory  $\varphi = 40.04^\circ$  N,  $\lambda = 71.45^\circ$  E, focus depth – 27km, M – 6.0  
(ИГССС АН РТ, GFZ – Potsdam, Germany)
- EQ intensity at epicenter 7 - 8 degree by 12  
NUmber scale MCK – Institute of Seismology  
Kyrg. Natl. Acad. Sc.
- EQ covered Kyrghyzstan, Tajikistan,  
Uzbekistan

# **EXPEDITION OF THE IGSEE AS RT:**

**RGS:** Djirgatal, Khait, Gharm - 21 July

**Sogd:** Khudjand, Isfara, Kanibadam, Istarwshan-  
25-27 July

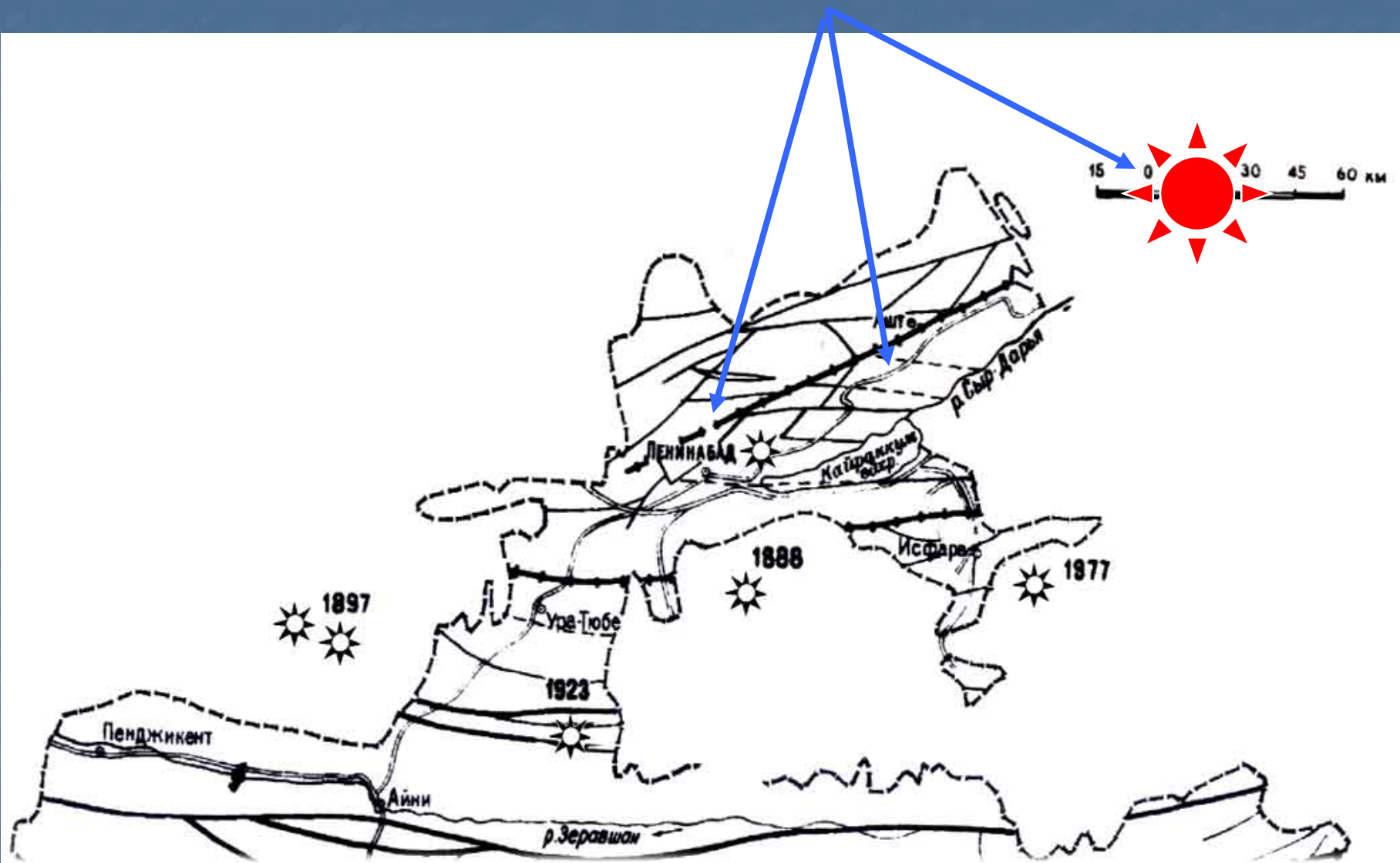


**Epicenter location at 284km N-E from Dushanbe  
and 158km E from Khudjand**

**EQ felt up:**

**Isfara – 5-6 degree,  
Kanibadam – 4-5 degree,  
Khudjand – 4-5 degree,  
Pendjikent – 4 degree,  
Istrawshan – 4 degree,  
Dushanbe – 3-4 degree,  
Nurek – 3-4 degree**

# North-Fergana Fault



# DAMAGES



26/07/2011



ВАЗОРАТИ  
МАОРИФИ



ҶУМҲУРИИ  
ТОҶИКИСТОН

**МАКТАБИ  
ТАҲСИЛОТИ МИЁНАИ  
УМУМИИ № 16**

**ба номи  
НЕЪМАТ ҚАРОБОЕВ**

НОҲИЯИ КОНИБОДОМ, ВИЛОЯТИ СУҒД

**ХУШ**

26/07/2011













26/07/2011





27/07/2011













# CONCLUSIONS

1. EQ 20 July 2011 – the strongest in Tajikistan in 2011
2. Highest EQ intensity in Tajikistan was in Sogd region with 5 degree, by spots with 6 degree by 12-number scale MCK
3. No casualties, but people suffered big fears
4. Some buildings in Sogd region damaged such as small wall cracks, plasters fall of
5. Talks with the population at the epicenter areas tangibly raise up their psychological well being
6. Trans border states cooperation need to be well developed for the cases of catastrophic disasters