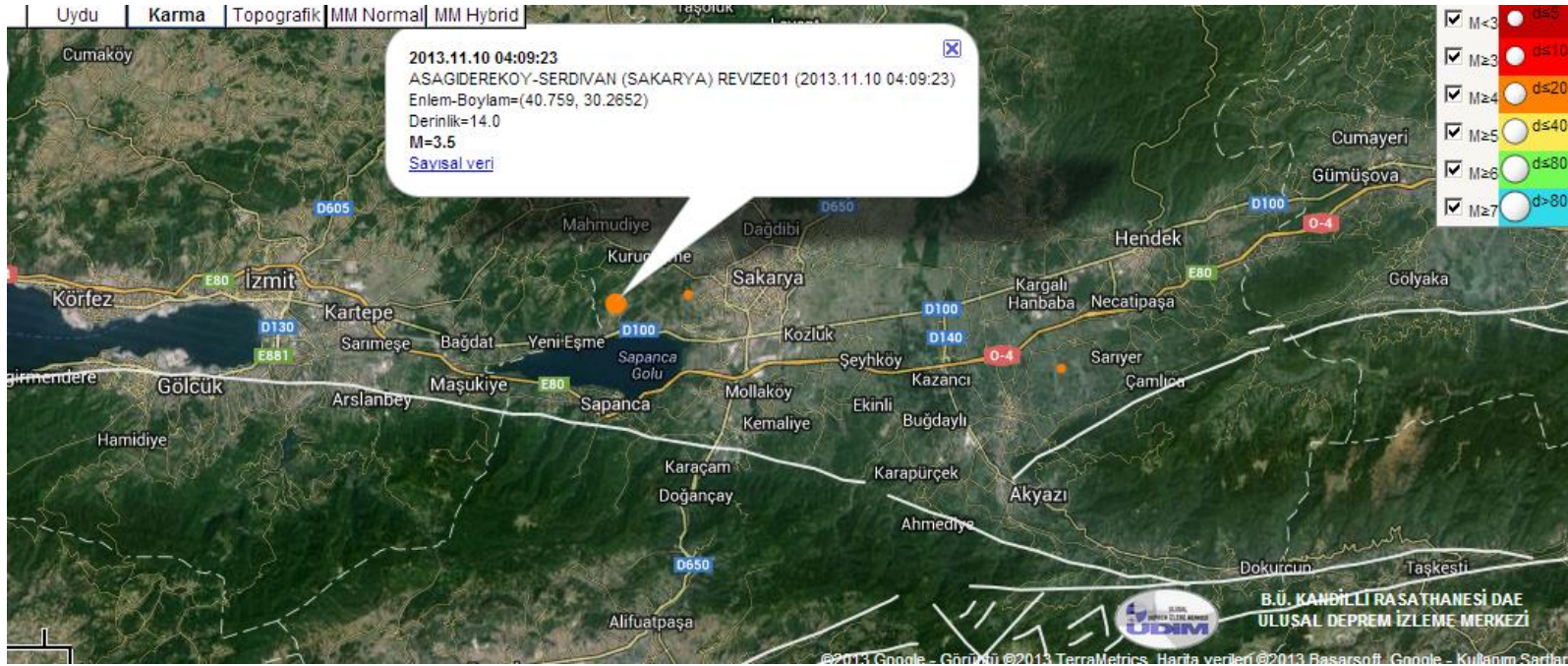


**SAKARYA ÜNİVERSİTESİ**  
**JEOFİZİK MÜHENDİSLİĞİ BÖLÜMÜ**  
**DEPREM İZLEME VE ARAŞTIRMA MERKEZİ (DİVAM) DEPREM KAYIDI**

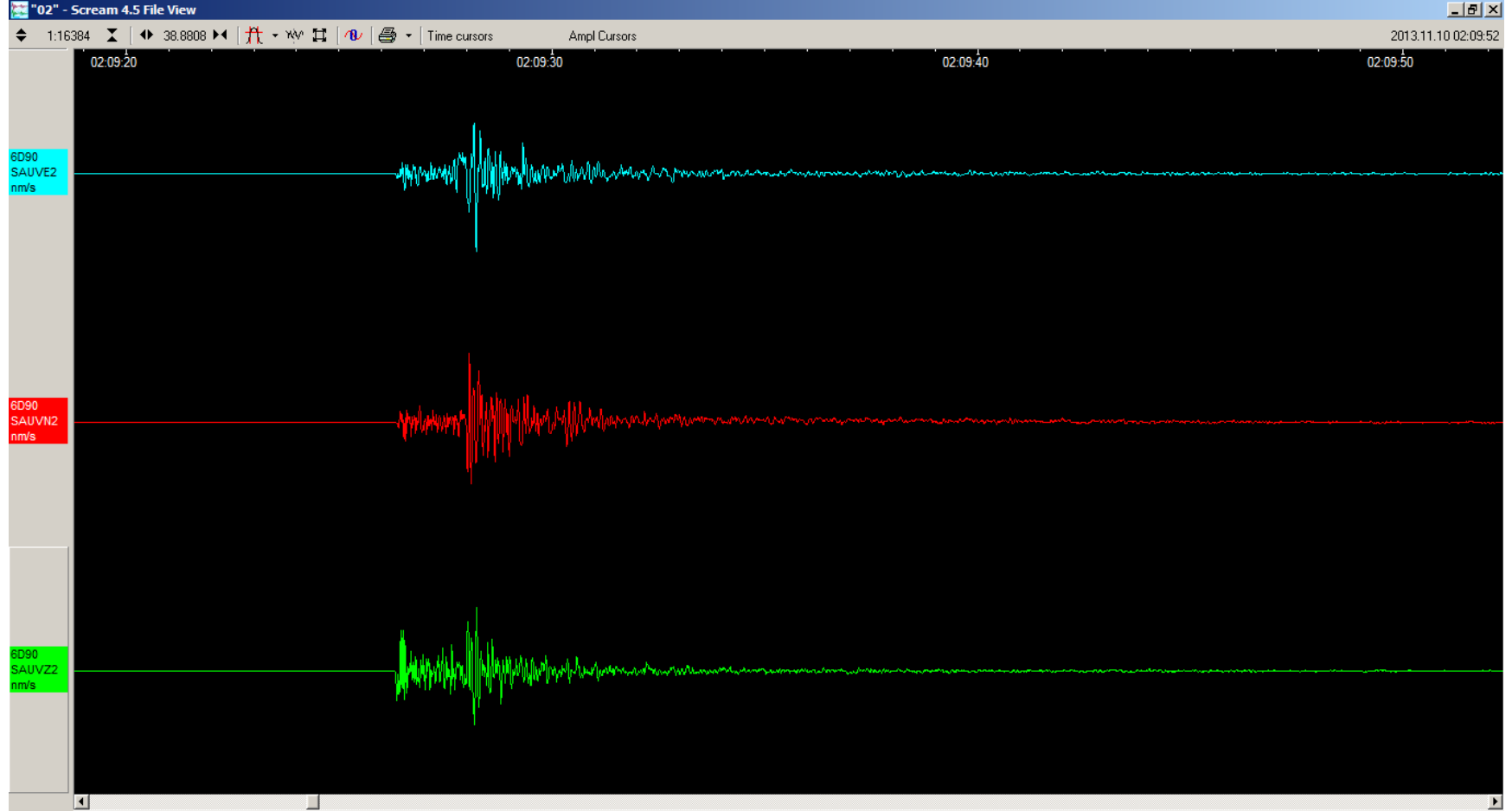
**10/11/2013 AŞAĞIDEREKÖY-SERDİVAN DEPREMİ  $M=3.5$  (UDİM)**

Oluş Zamanı=04:09:23.0 (Yerel Saat)    Enlem: $40.7590^{\circ}$  K    Boylam: $30.2652^{\circ}$  D    Derinlik=11.0 km

Uzaklık: 5 km    Azimut:  $112^{\circ}$



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**DEPREM İZLEME VE ARAŞTIRMA MERKEZİ (DİVAM) DEPREM KAYIDI**



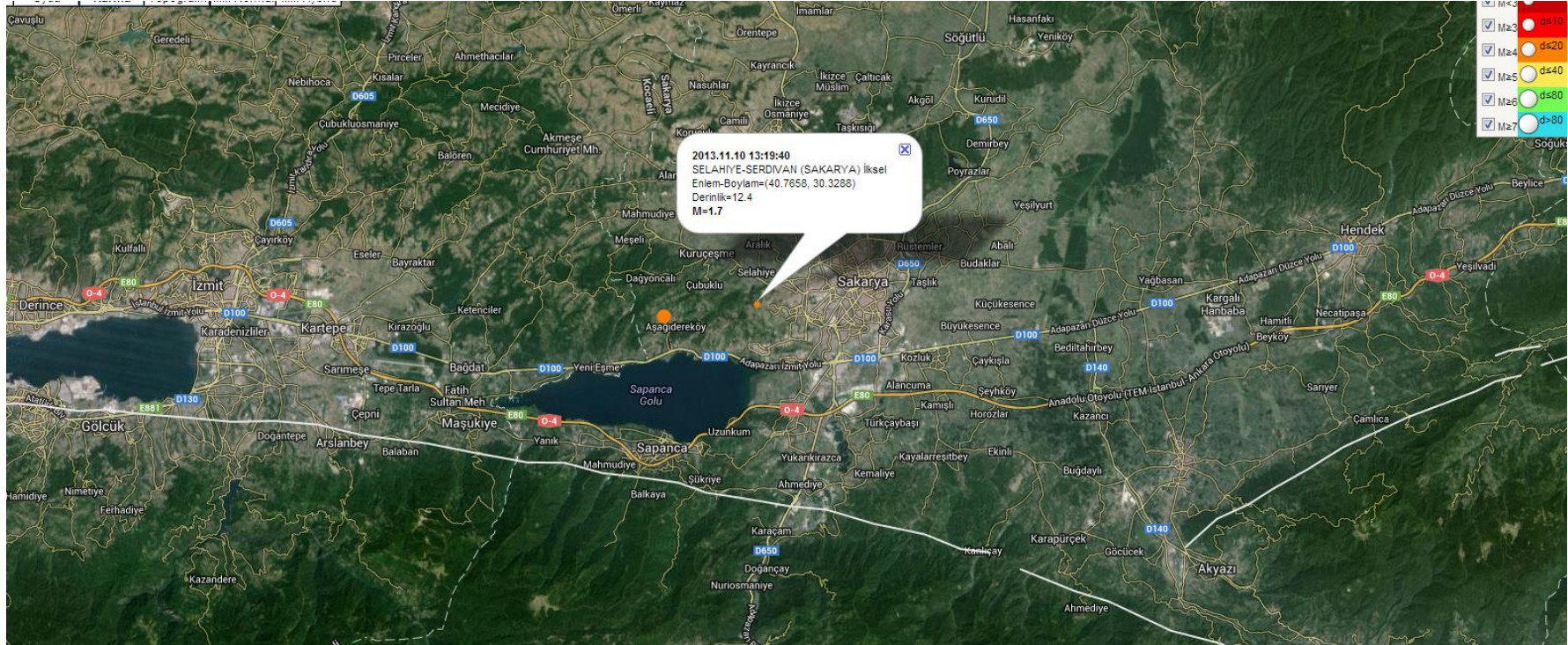


**SAKARYA ÜNİVERSİTESİ**  
**JEOFİZİK MÜHENDİSLİĞİ BÖLÜMÜ**  
**DEPREM İZLEME VE ARAŞTIRMA MERKEZİ (DİVAM) DEPREM KAYIDI**

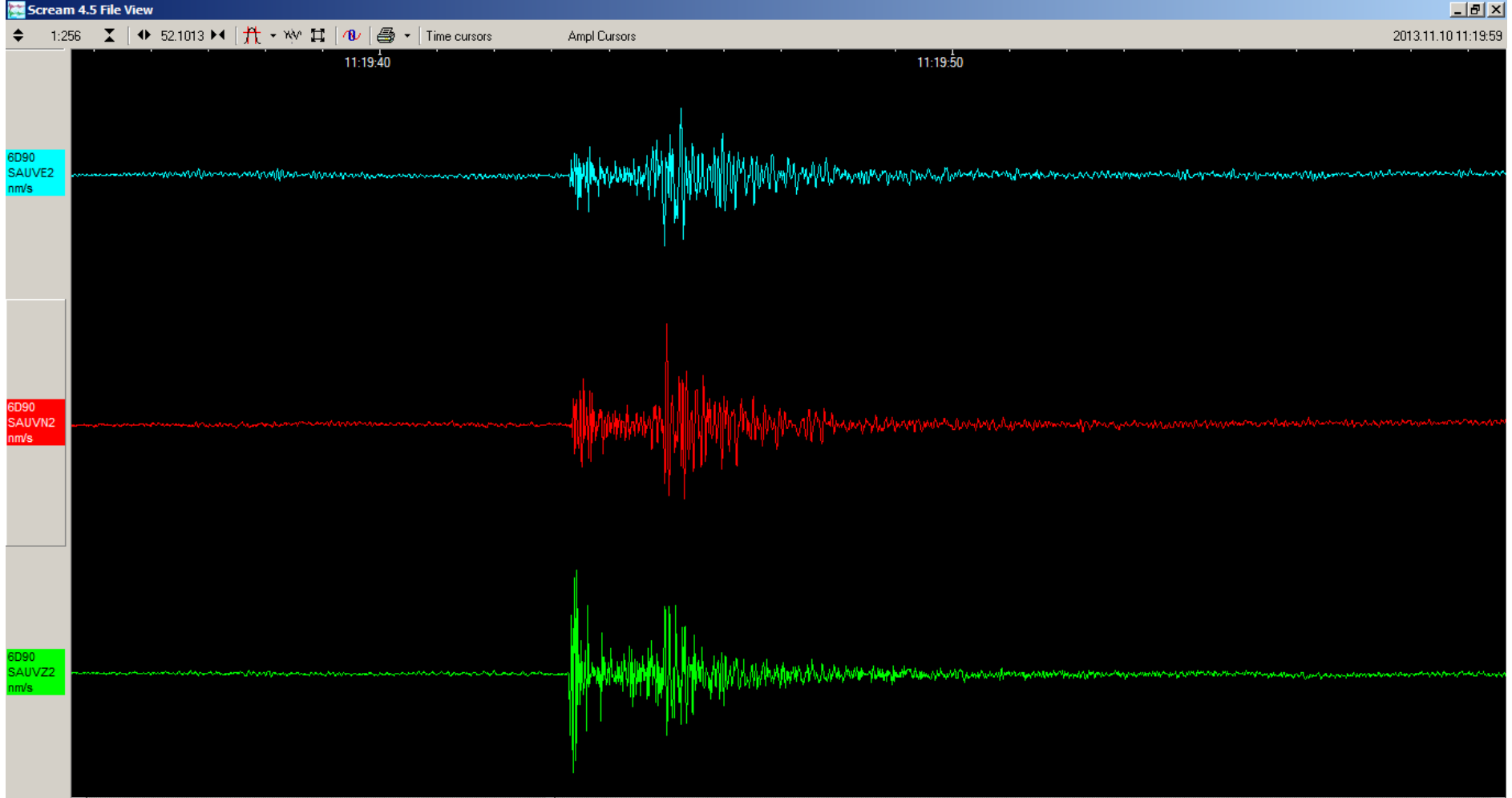
**10/11/2013 Selahiye-Serdivan (SAKARYA) Depremi  $M=1.7$  (UDİM)**

Oluş Zamanı=13:19:40.0 (Yerel Saat)    Enlem:40.7658° K    Boylam:30.3288° D    Derinlik=12.4 km

Uzaklık:3 km    Azimut:3°

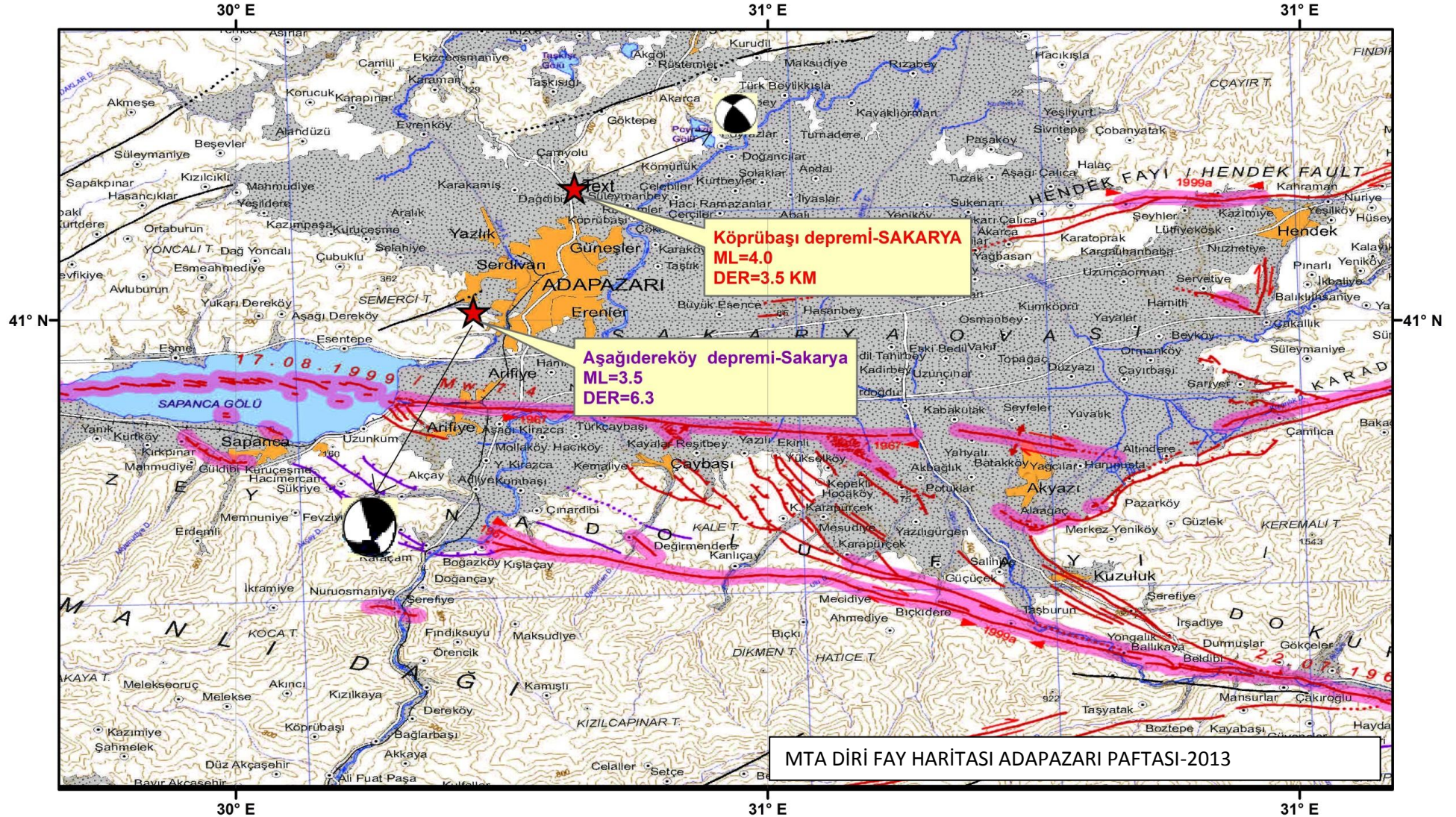


**SAKARYA ÜNİVERSİTESİ**  
**JEOFİZİK MÜHENDİSLİĞİ BÖLÜMÜ**  
**DEPREM İZLEME VE ARAŞTIRMA MERKEZİ (DİVAM) DEPREM KAYIDI**





**SAKARYA ÜNİVERSİTESİ**  
**JEOFİZİK MÜHENDİSLİĞİ BÖLÜMÜ**  
**DEPREM İZLEME VE ARAŞTIRMA MERKEZİ (DİVAM) DEPREM KAYIDI**





**SAKARYA ÜNİVERSİTESİ**  
**JEOFİZİK MÜHENDİSLİĞİ BÖLÜMÜ**  
**DEPREM İZLEME VE ARAŞTIRMA MERKEZİ (DİVAM) DEPREM KAYIDI**

===== SAU Moment Tensor Solution =====

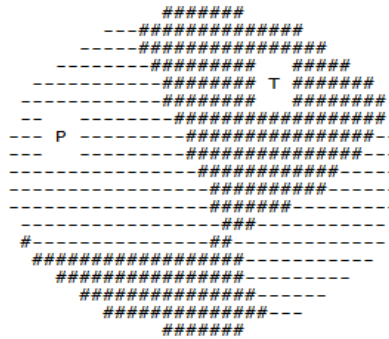
Hypocenter Solution (koeri)  
Origin Time : 20131110 02:09:23.00  
Lat: 40.75 Lon: 30.26  
Depth (km) : 14  
Mw : 3.3

Centroid Solution  
Centroid Time : +1.2 (sec) relative to origin time  
Centroid Lat: 40.75 Lon: 30.26  
Centroid Depth : 15

No of Stations: 5 (SPN-GUL-ISK-KLY-ARM)  
Freq band (Hz)  
0.08-0.6 tapered 0.02-0.08 and 0.6-0.1  
Variance Reduction (%): 33

Moment Tensor (Nm): Exponent 10\*\*13  
Mrr Mtt Mpp  
-1.017 6.217 -5.200  
Mrt Mrp Mtp  
6.110 -5.736 -7.382  
VOL (%) : 0  
DC (%) : 39.9  
CLVD (%) : 60.1

Best Double Couple: Mo= 1.257e+014 Nm  
NP1: Strike Dip Rake  
159 87 38  
NP2: Strike Dip Rake  
66 52 176



Moment Tensor Solution computed using ISOLA