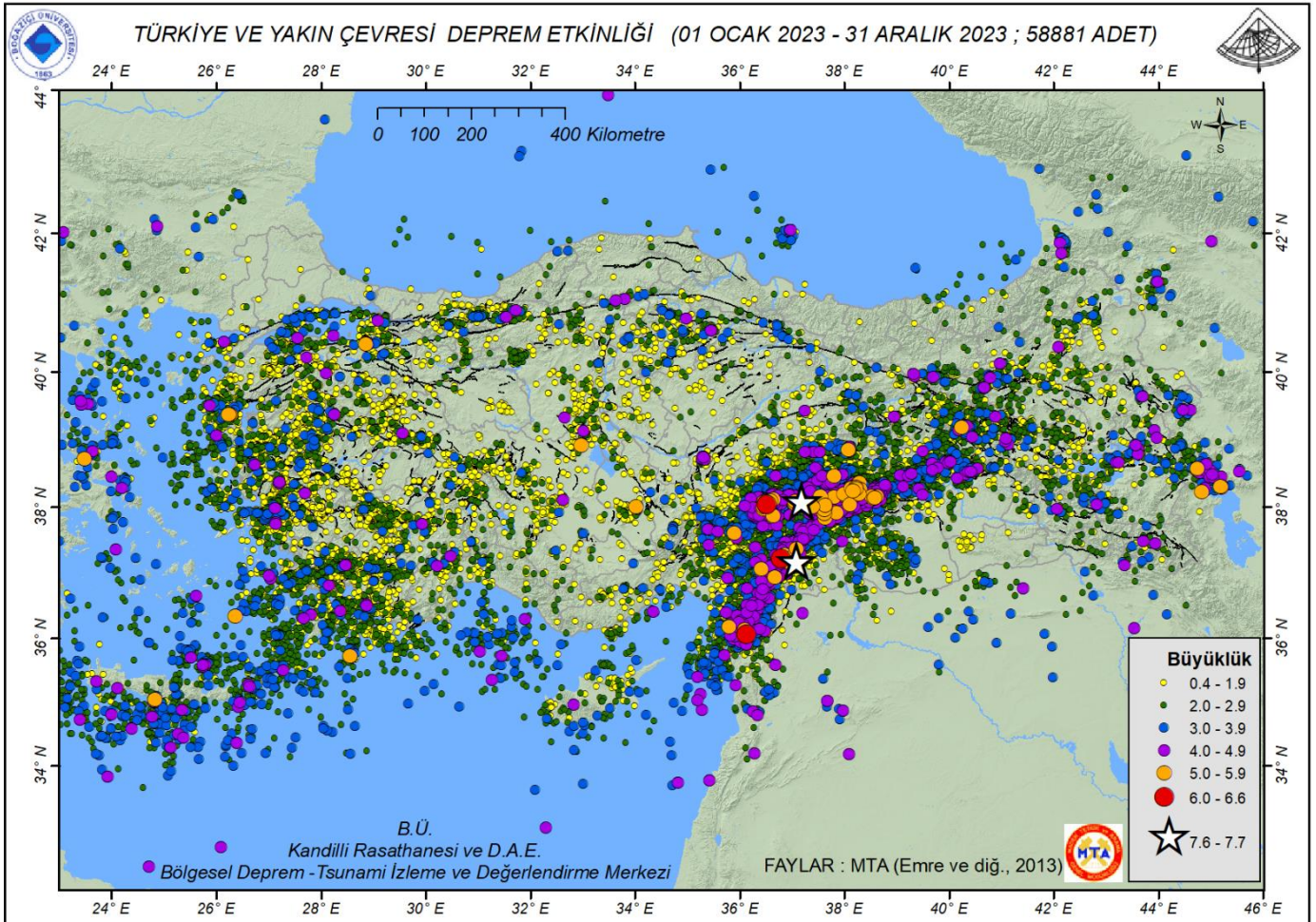
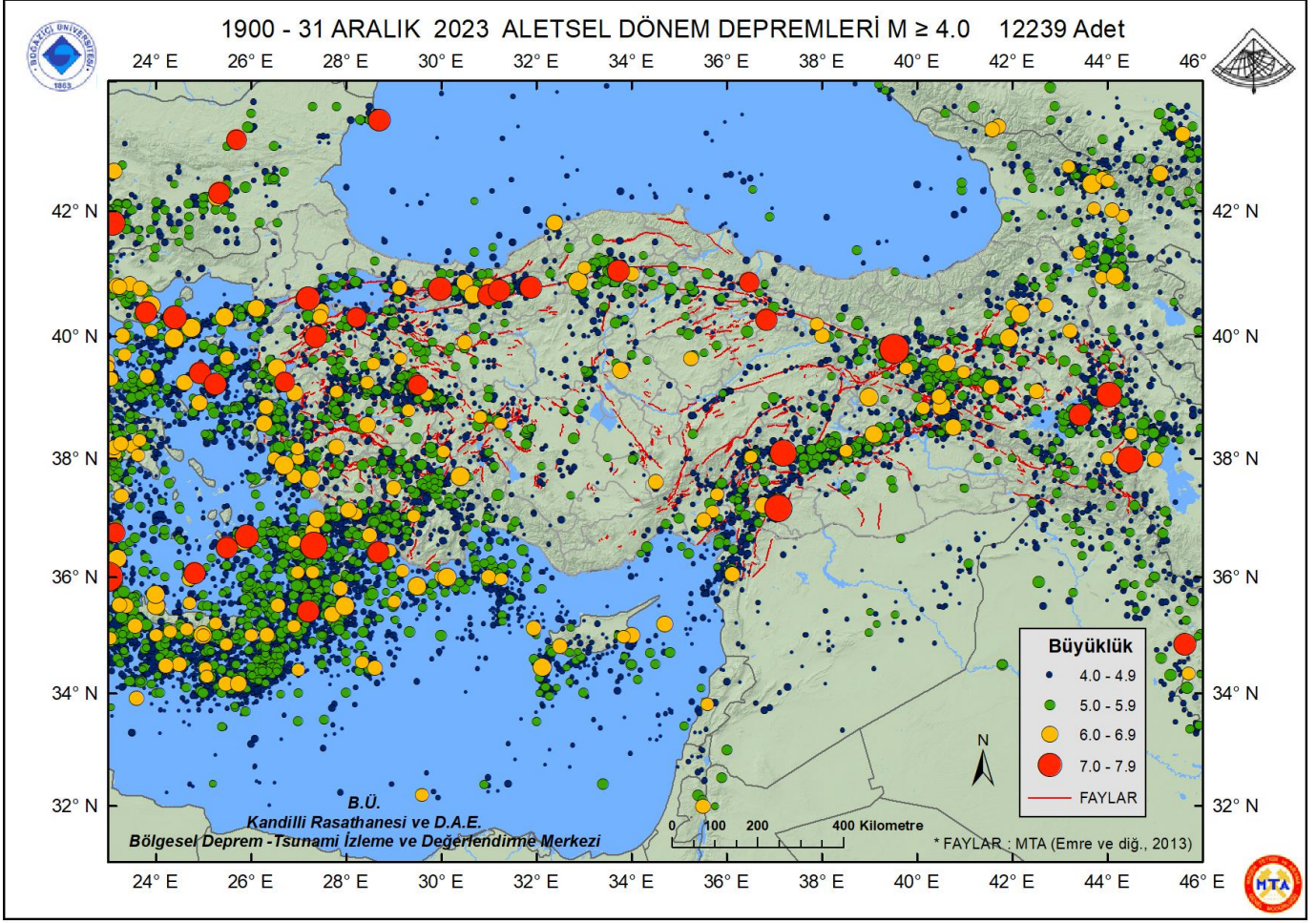
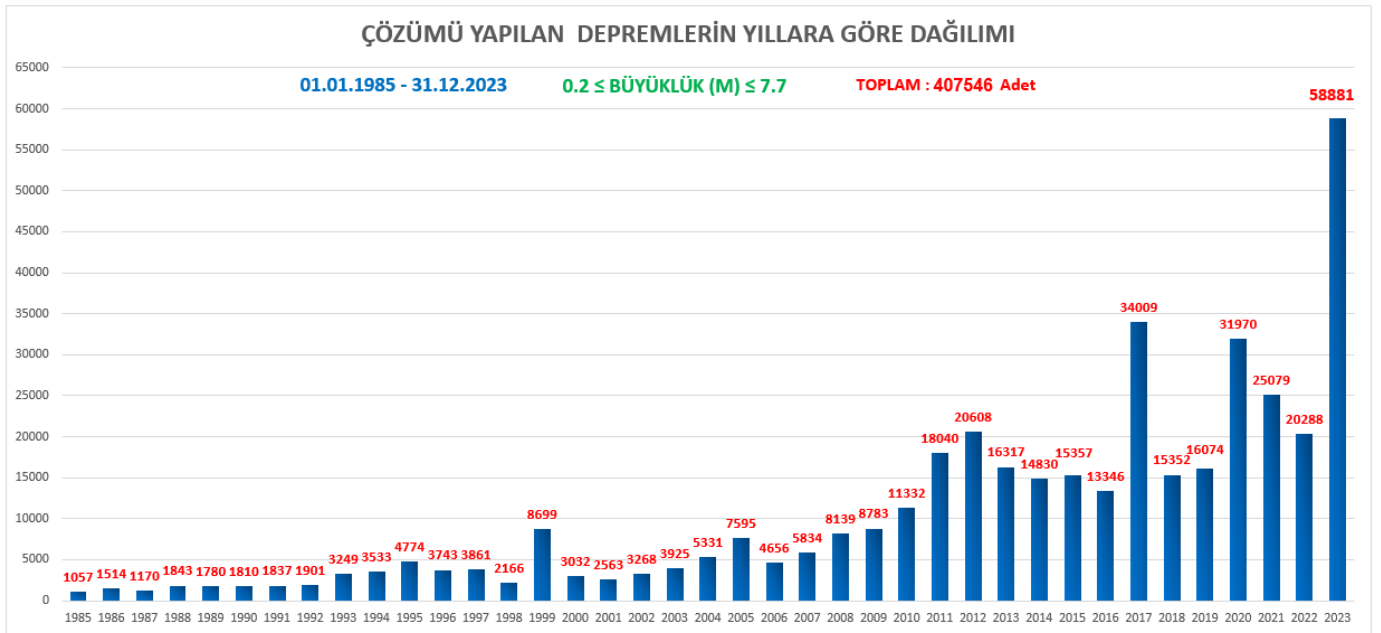
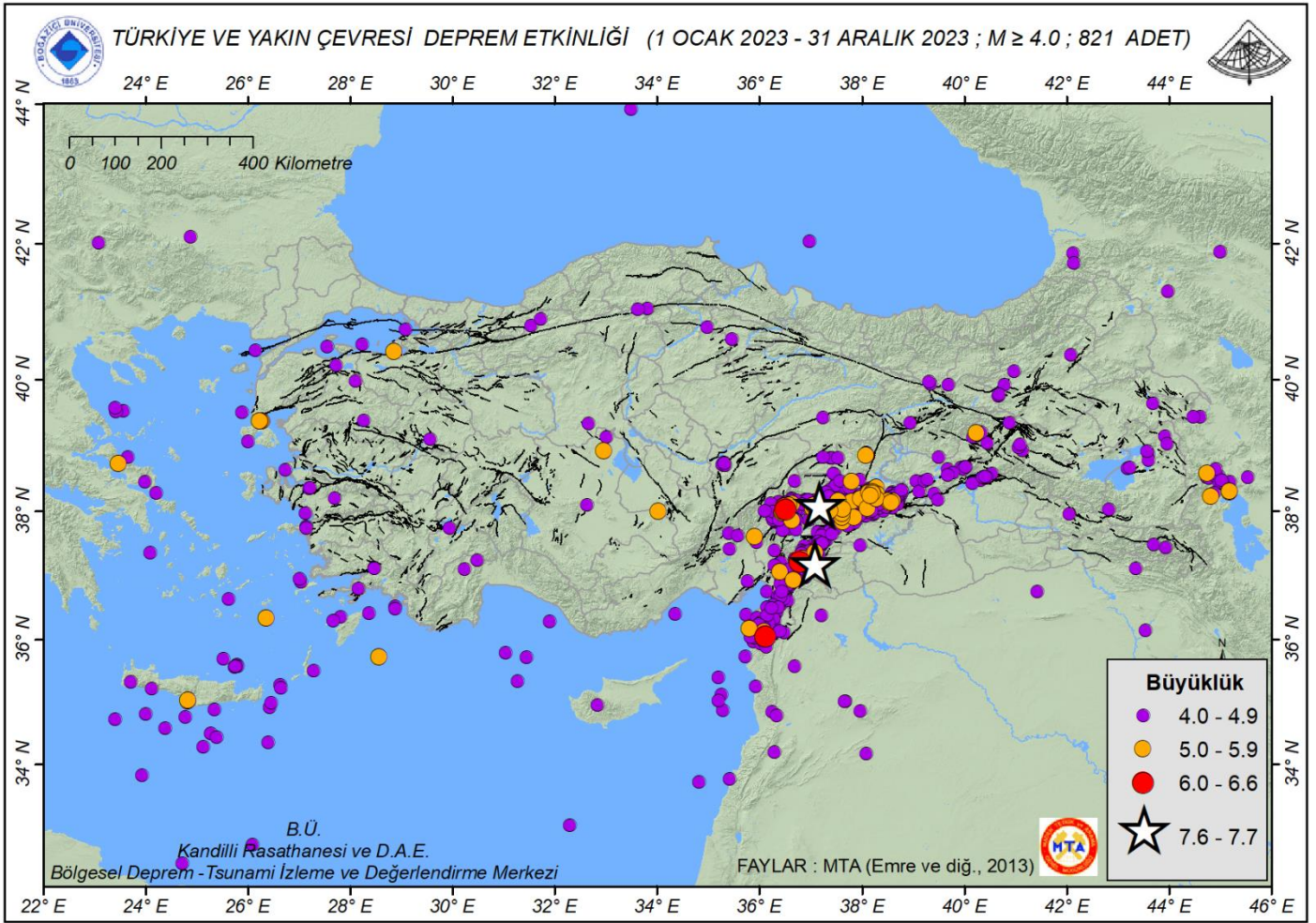


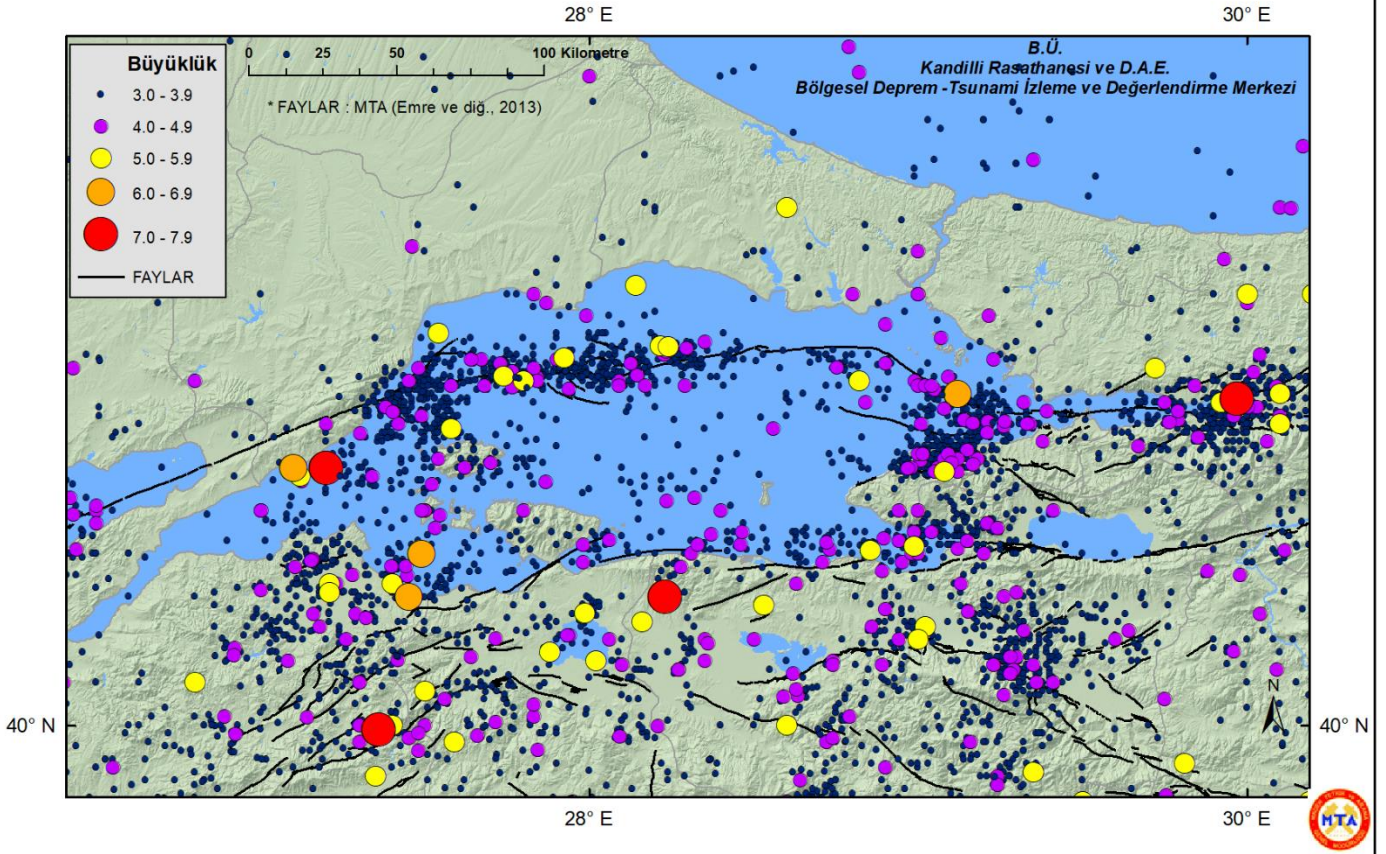
2023 YILI BDTİM DEPREM VE PATLATMA DEĞERLENDİRME RAPORU



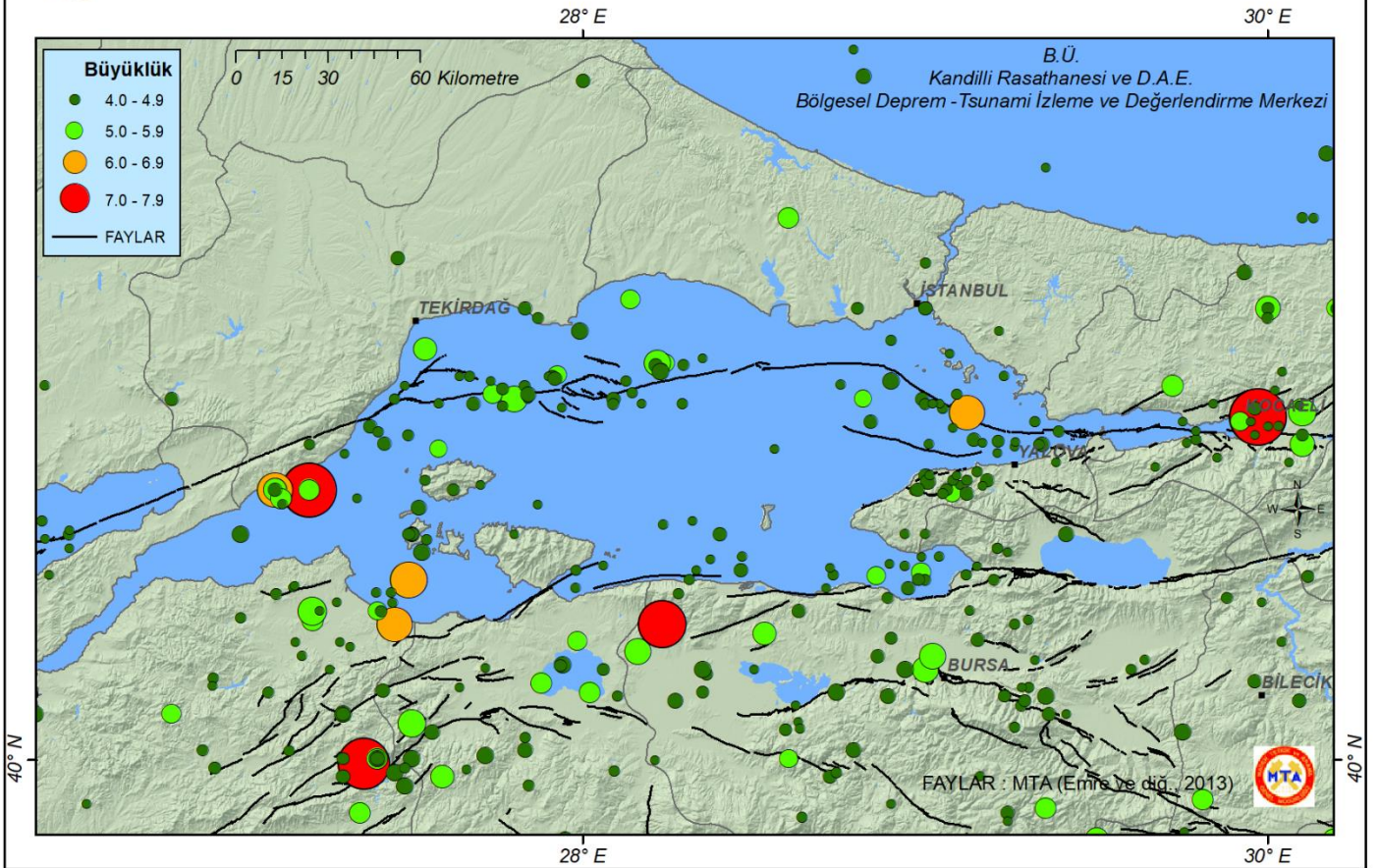




1900 - 31 ARALIK 2023 MARMARA BÖLGESİ DEPREMLERİ $M \geq 3.0$ 3534 ADET



MARMARA BÖLGESİ DEPREMLERİ (1900 - 31 ARALIK 2023) $M \geq 4.0$ 313 ADET





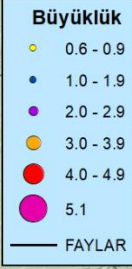
MARMARA DENİZİ DEPREM ETKİNLİĞİ (01 OCAK 2023 - 31 ARALIK 2023) 1045 ADET



28° E

30° E

0 15 30 60 Kilometre



B.Ü.
Kandilli Rasathanesi ve D.A.E.
Bölgesel Deprem - Tsunami İzleme ve Değerlendirme Merkezi

TEKİRBAĞ

İSTANBUL

KOCAELİ

YALOVA

ÇANAKKALE

BURSA

BİLECİK

FAYLAR : MTA (Emre ve diğerleri, 2013)



40° N

40° N

28° E

30° E

2023 YILI TÜRKİYE ve YAKIN ÇEVRESİ DEPREM ETKİNLİĞİ

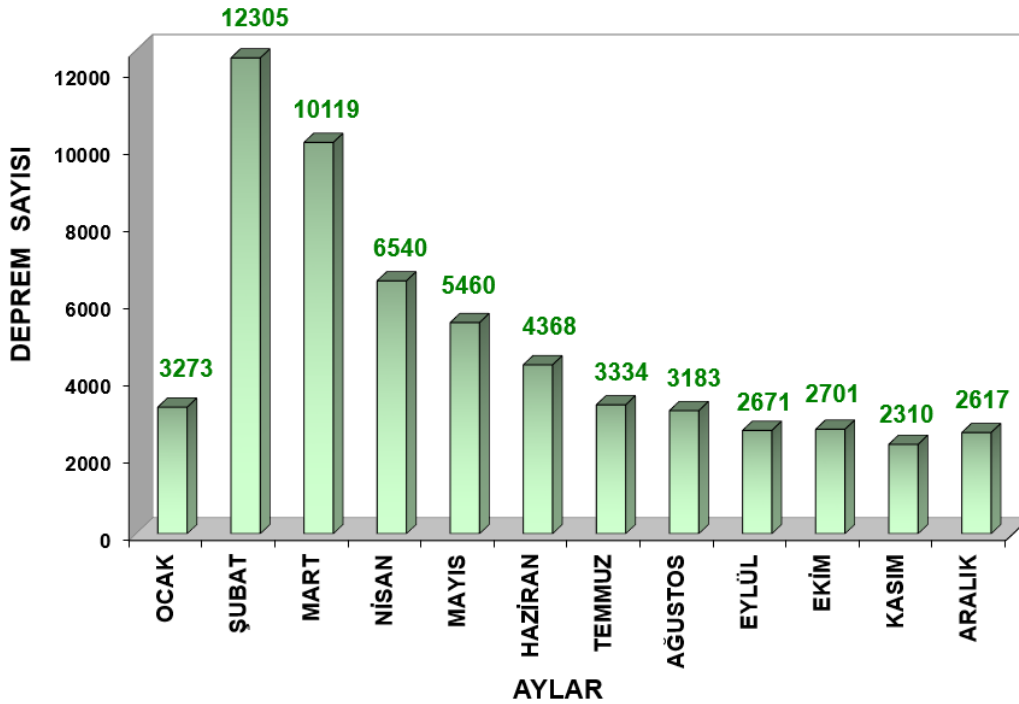
AYLAR	GÜN SAYISI	OLAN DEPREM SAYISI M>0.4	ORTALAMA ADET/GÜN	M ≥ 0.4 ve M ≤ 1.9 ADET	M ≥ 2.0 ve M ≤ 2.9 ADET	M ≥ 3.0 ve M ≤ 3.9 ADET	M ≥ 4.0 ve M ≤ 4.9 ADET	M ≥ 5.0 ve M ≤ 5.9 ADET	M ≥ 6.0 ve M ≤ 6.9 ADET	M ≥ 7.0 ve M ≤ 7.9 ADET	AYLIK TOPLAM
OCAK	31	3273	106	1932	1124	182	29	6	0	0	3273
ŞUBAT	28	12305	439	3621	6227	1953	459	40	3	2	12305
MART	31	10119	326	5828	3744	471	72	4	0	0	10119
NİSAN	30	6540	218	4057	2191	255	36	1	0	0	6540
MAYIS	31	5460	176	3404	1775	247	32	2	0	0	5460
HAZİRAN	30	4368	146	2873	1287	179	29	0	0	0	4368
TEMMUZ	31	3334	108	2167	1021	134	11	1	0	0	3334
AĞUSTOS	31	3183	103	1911	1110	132	27	3	0	0	3183
EYLÜL	30	2671	89	1712	847	101	11	0	0	0	2671
EKİM	31	2701	87	1705	846	131	19	0	0	0	2701
KASIM	30	2310	77	1507	705	82	14	2	0	0	2310
ARALIK	31	2617	84	1747	741	111	17	1	0	0	2617

M > 0.4

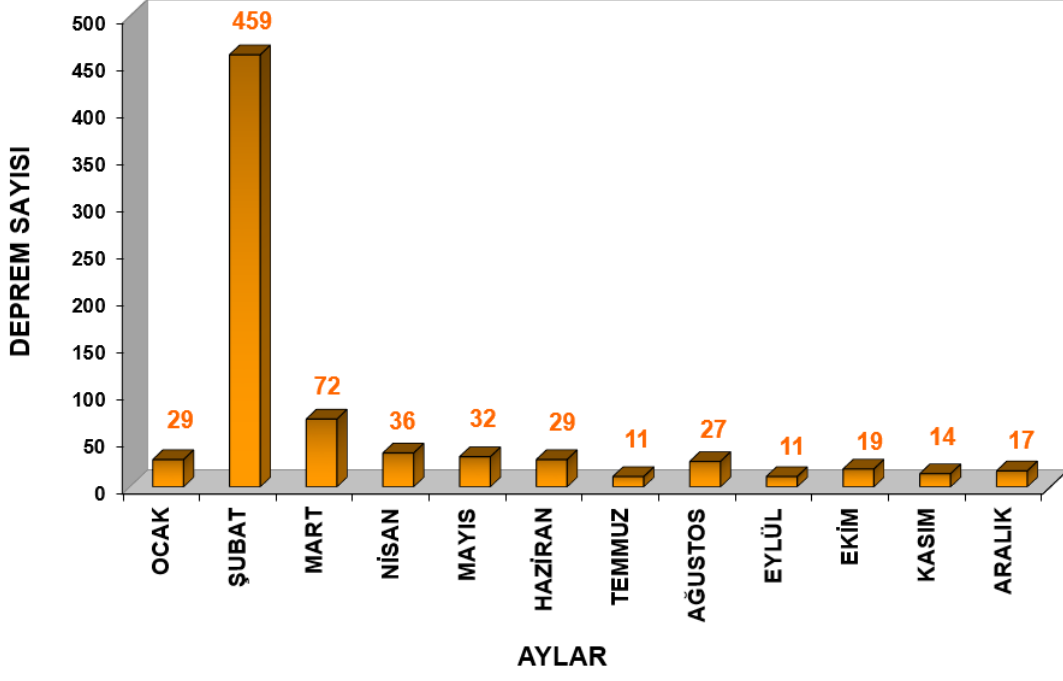
YILLIK	TOPLAM GÜN	TOPLAM OLAN DEPREM	ORT. ADET/GÜN
		365	58881

M ≥ 0.4 ve M ≤ 1.9 ADET	M ≥ 2.0 ve M ≤ 2.9 ADET	M ≥ 3.0 ve M ≤ 3.9 ADET	M ≥ 4.0 ve M ≤ 4.9 ADET	M ≥ 5.0 ve M ≤ 5.9 ADET	M ≥ 6.0 ve M ≤ 6.9 ADET	M ≥ 7.0 ve M ≤ 7.9 ADET	M ≥ 4.0 ve M ≤ 7.9 ADET
32464	21618	3978	756	60	3	2	821
55.13 %	36.71 %	6.76 %	1.28 %	0.10 %	0.005 %	0.003 %	

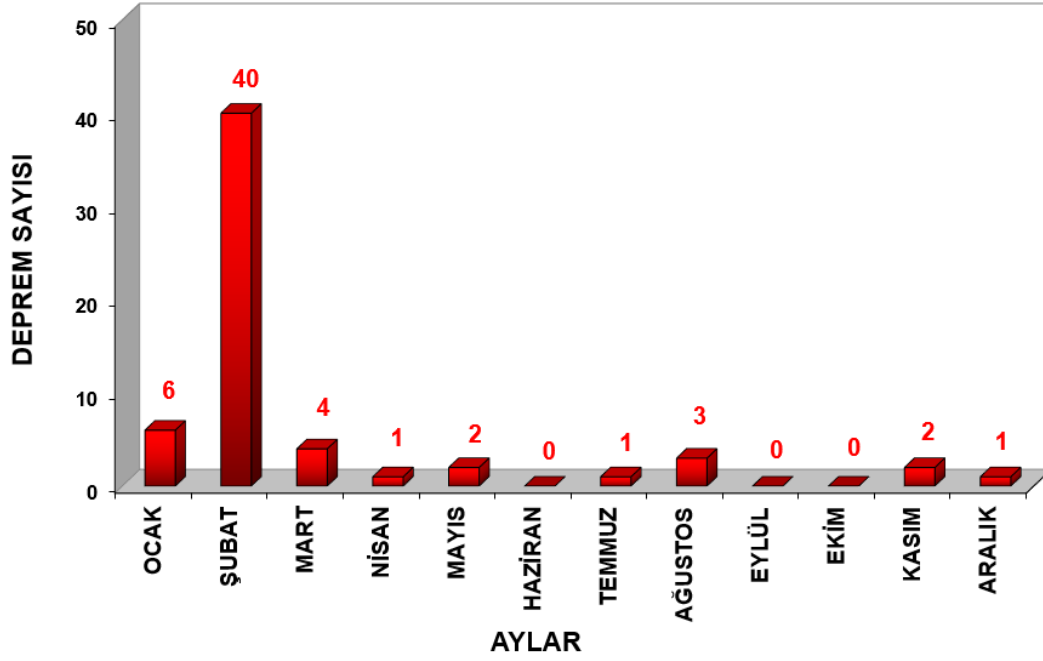
2023 YILI TÜRKİYE ve YAKIN ÇEVRESİ DEPREM ETKİNLİĞİ 58881 Adet (M ≥ 0.4)



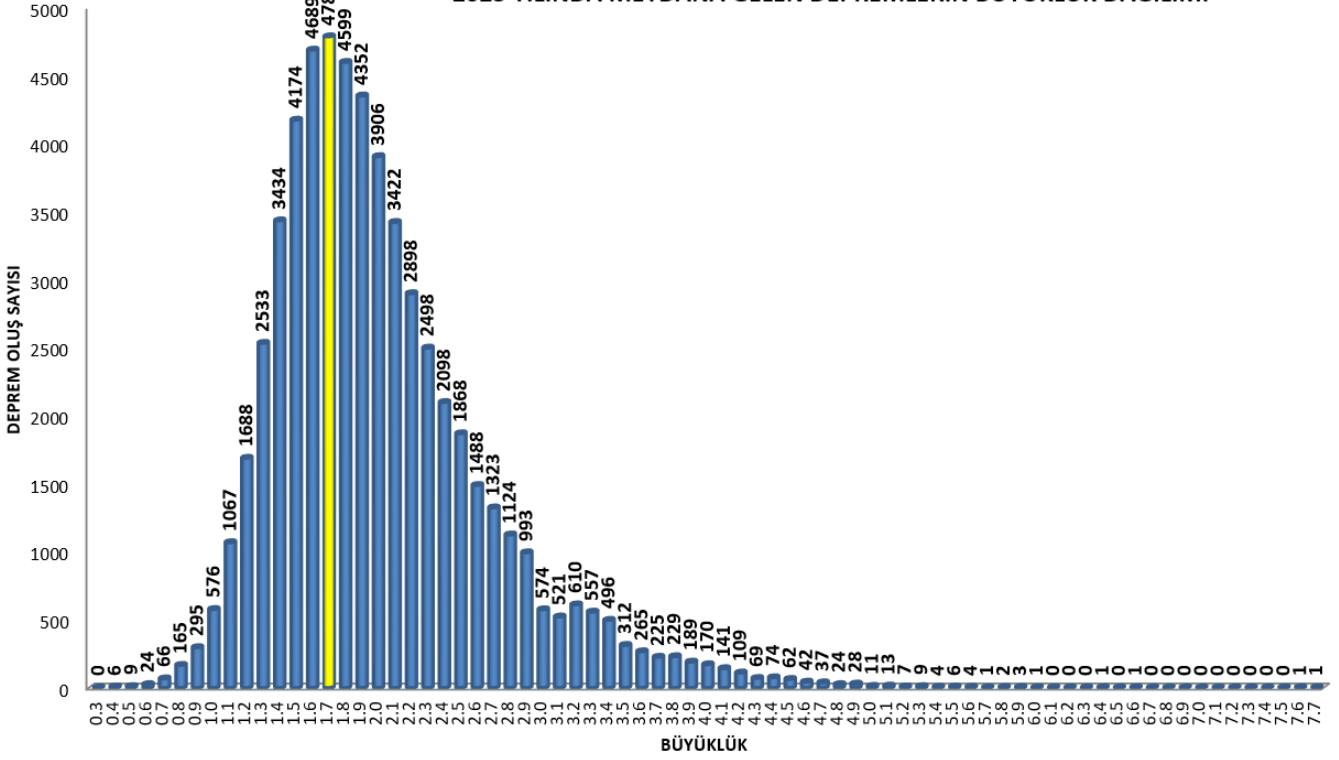
2023 YILI TÜRKİYE ve YAKIN ÇEVRESİ DEPREM ETKİNLİĞİ
756 Adet ($M \geq 4.0 - M < 5.0$)



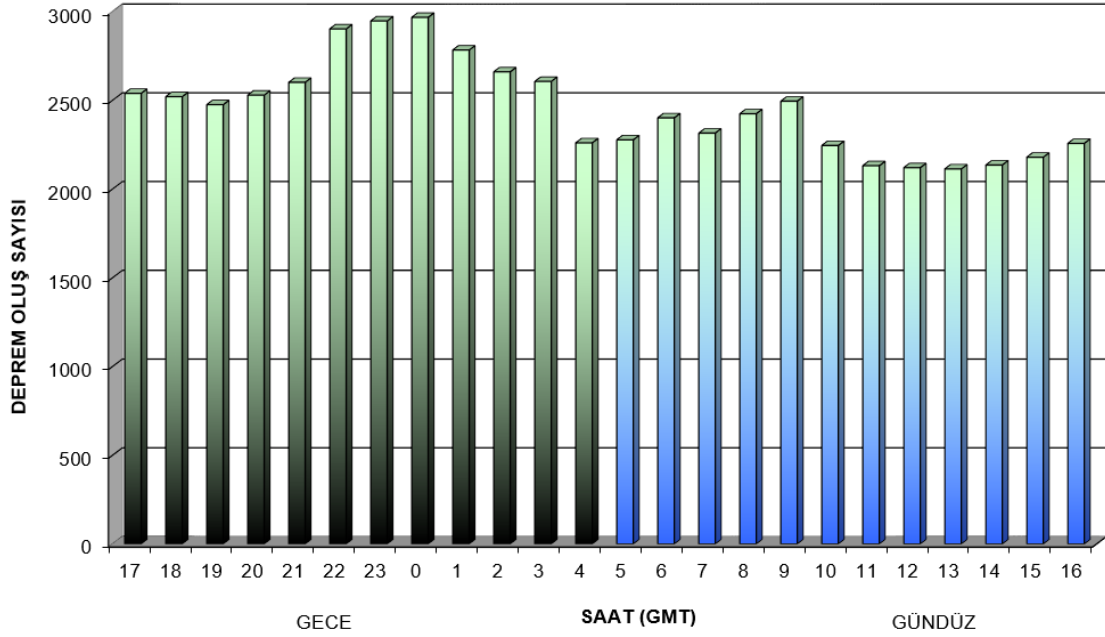
2023 YILI TÜRKİYE ve YAKIN ÇEVRESİ DEPREM ETKİNLİĞİ
60 Adet ($M \geq 5.0 - M < 6.0$)



2023 YILINDA MEYDANA GELEN DEPREMLERİN BÜYÜKLÜK DAĞILIMI



2023 YILINDA DEPREMLERİN SAATLERE GÖRE DAĞILIMI (0.4 ≤ M ≤ 7.7)

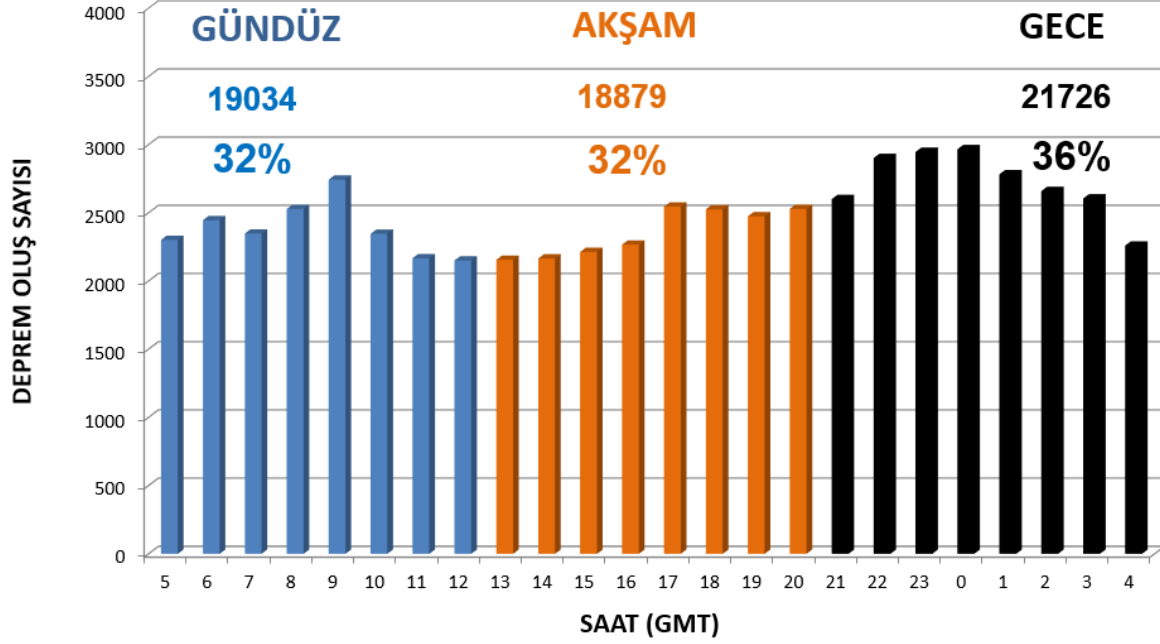


2023 YILINDA DEPREMLERİN SAATLERE GÖRE DAĞILIMI

SAAT (GMT)	GECE								GÜNDÜZ								TOPLAM								
	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8		9	10	11	12	13	14	15	16
0.4 ≤ Mw ≤ 7.7	2539	2520	2475	2529	2601	2902	2947	2967	2783	2660	2606	2260	2277	2401	2315	2424	2495	2245	2131	2120	2113	2135	2179	2257	58881
TOPLAM	31789												27092												

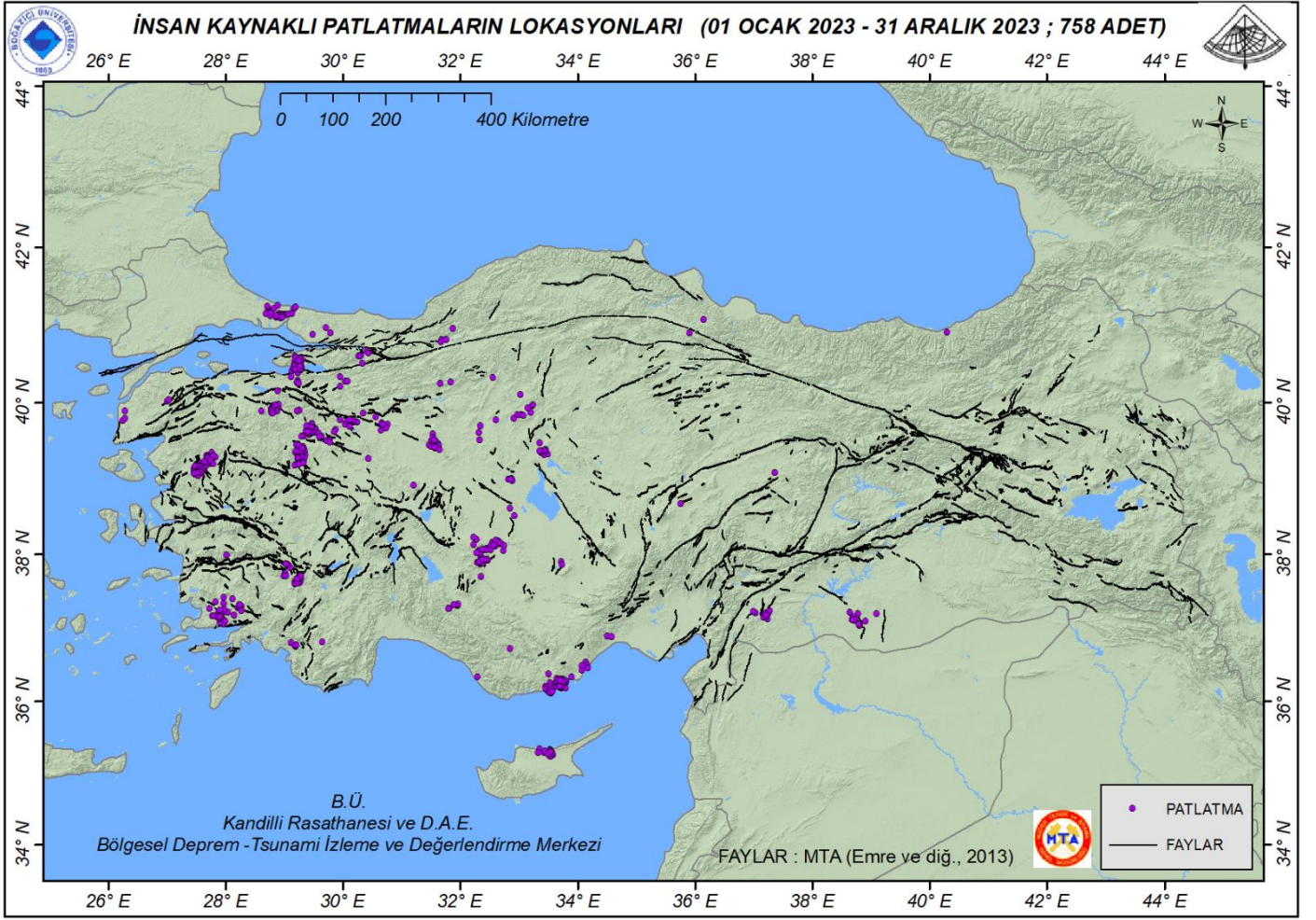
FARK : 4697 % 8

**2023 YILINDA DEPREMLER ve PATLATMALARIN SAATLERE GÖRE DAĞILIMI
(0.4 ≤ M ≤ 7.7)**

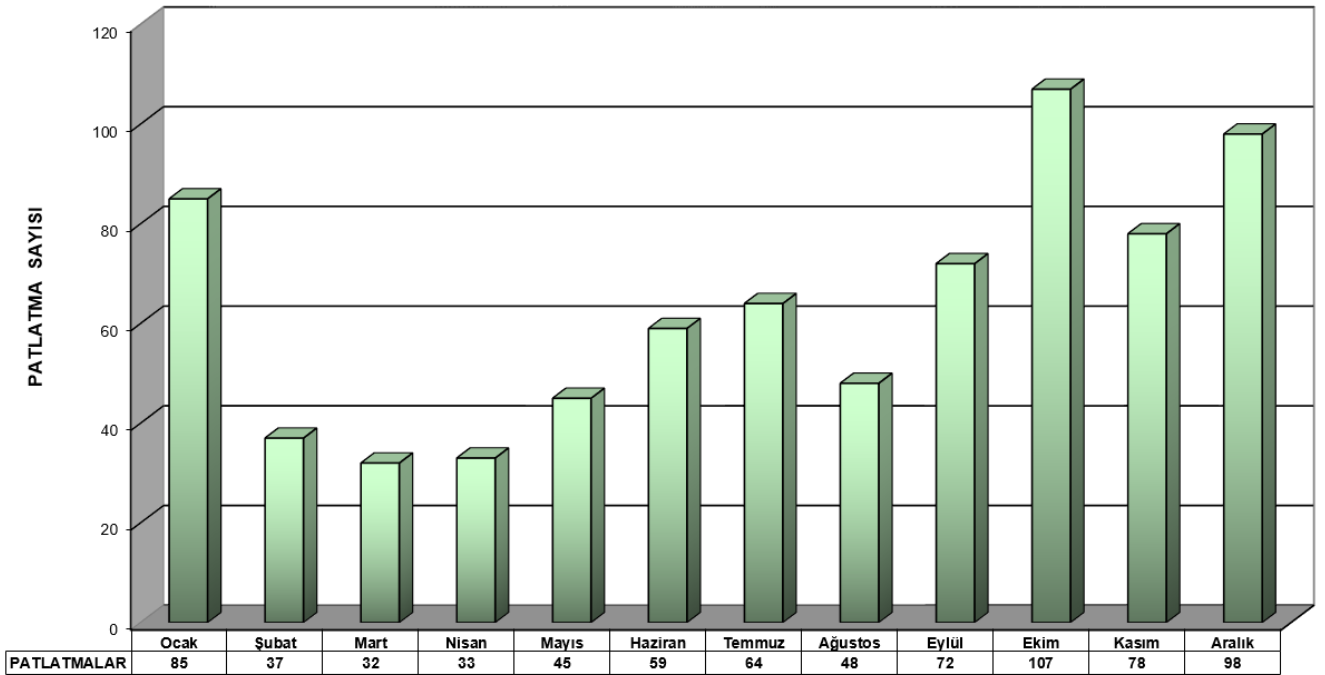


2023 YILINDA DEPREMLER ve PATLATMALARIN SAATLERE GÖRE DAĞILIMI

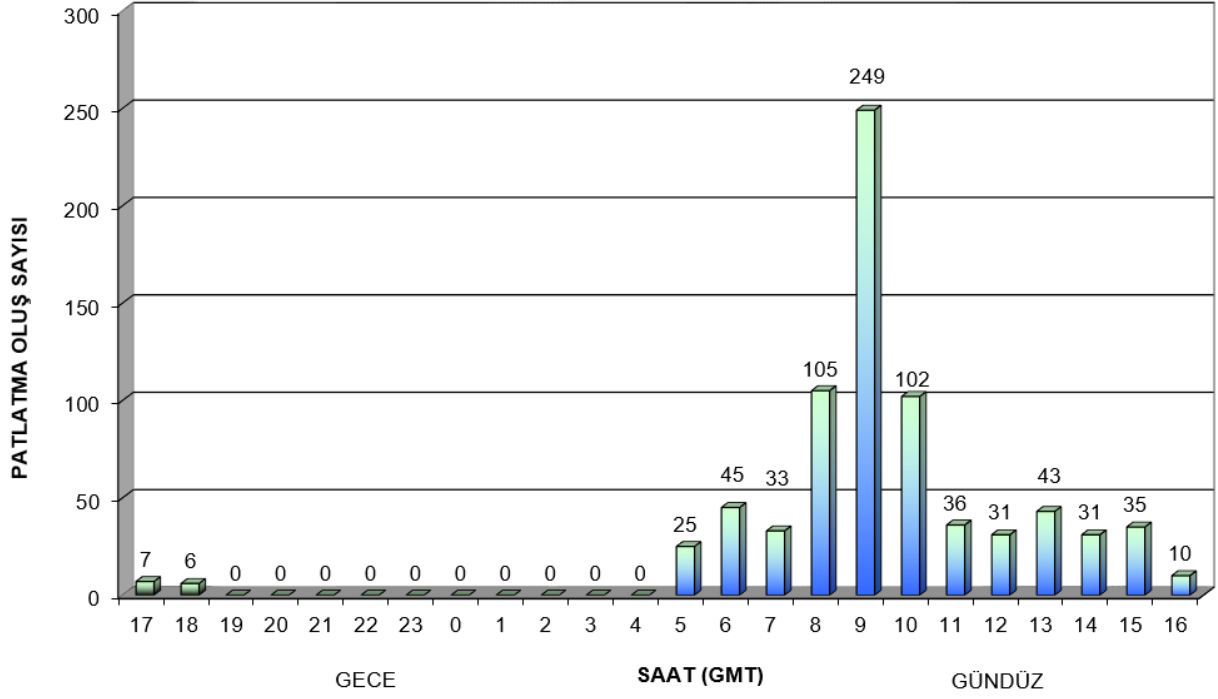
SAAT (GMT)	GÜNDÜZ								AKŞAM								GECE								TOPLAM
	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	
0.4 ≤ Mw ≤ 7.7	2302	2446	2348	2529	2744	2347	2167	2151	2156	2166	2214	2267	2546	2526	2475	2529	2601	2902	2947	2967	2783	2660	2606	2260	59639
	19034								18879								21726								
	32%								32%								36%								



2023 YILINDA İNSAN KAYNAKLI PATLATMALARIN AYLARA GÖRE DAĞILIMI
01 Ocak 2023 - 31 Aralık 2023 TOPLAM : 758 Adet



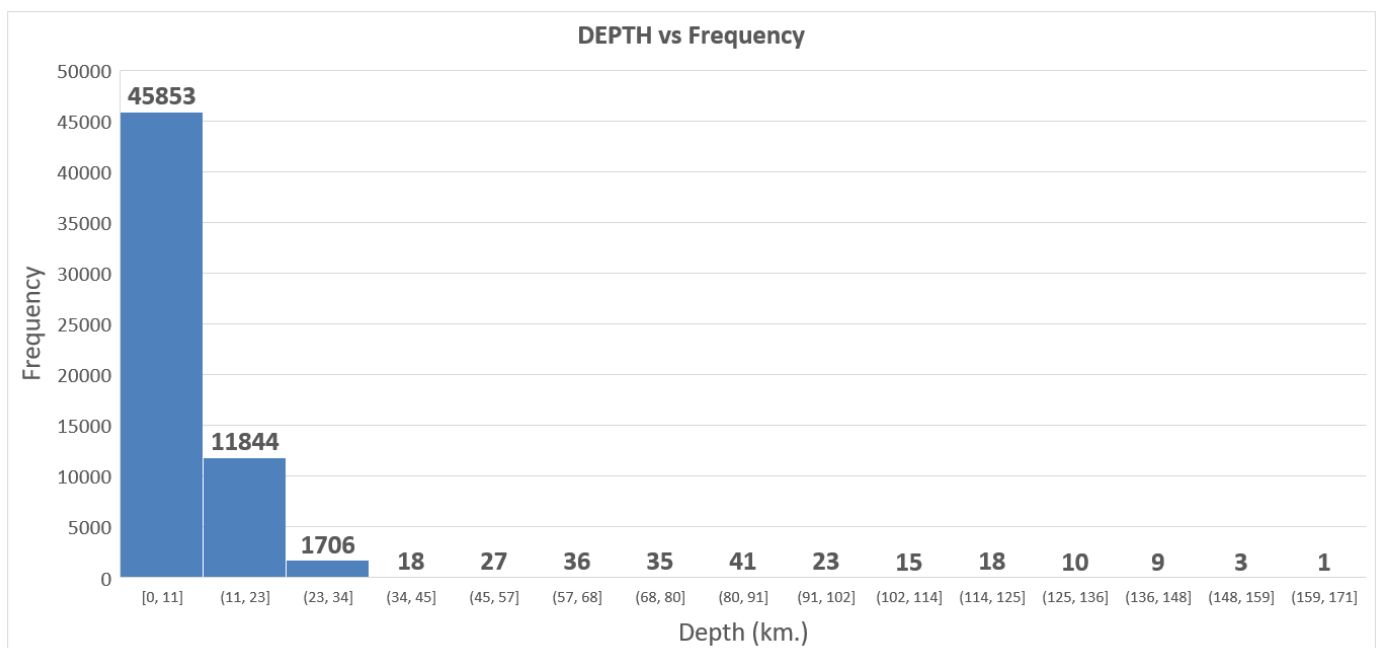
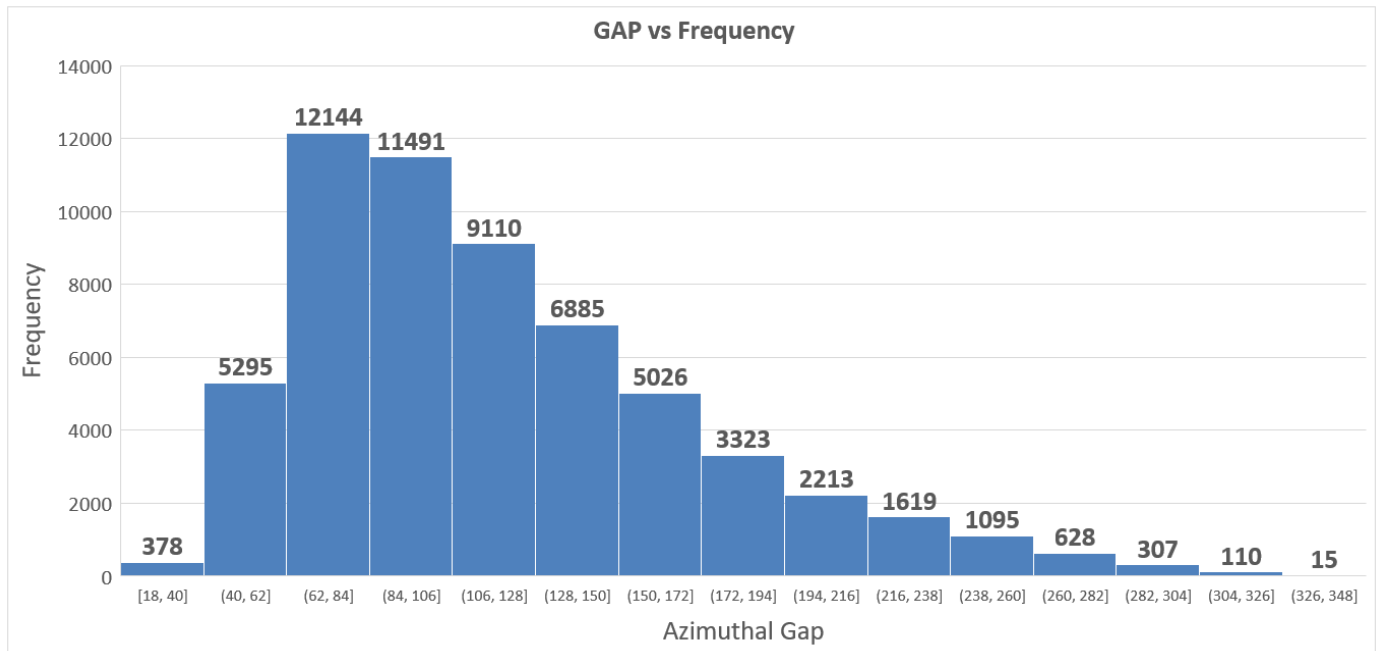
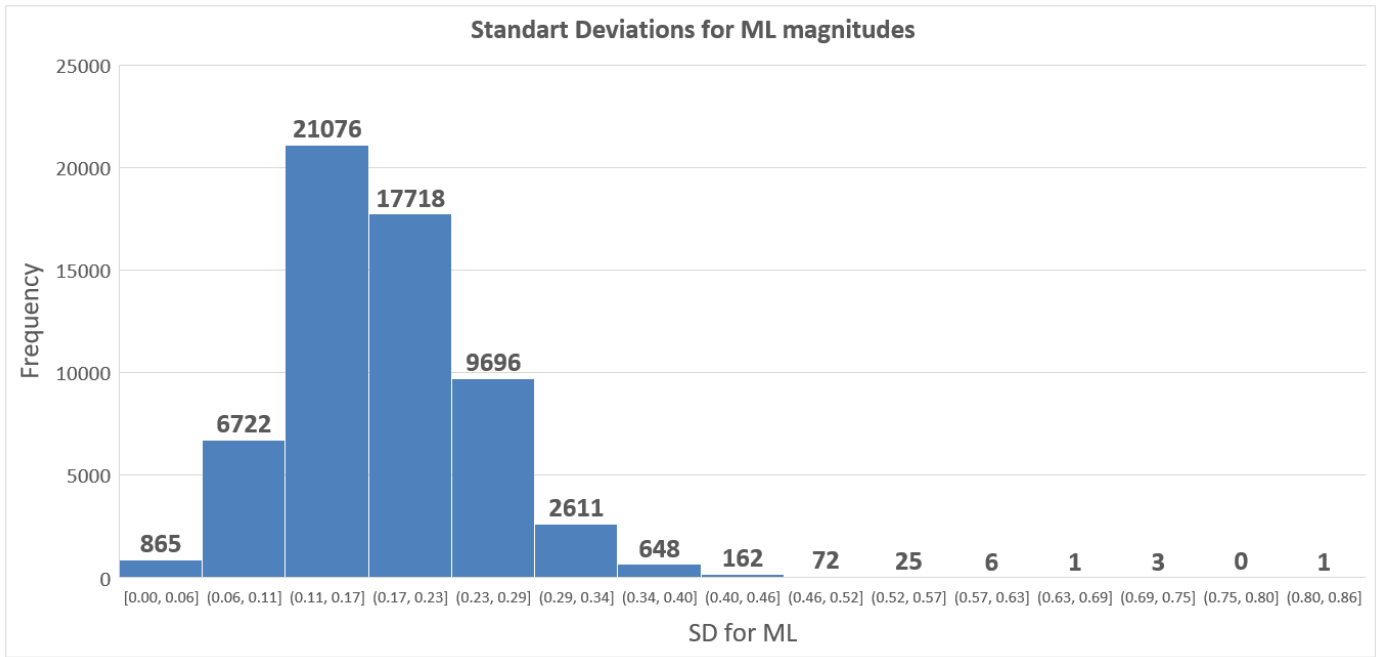
2023 YILINDA PATLATMALARIN SAATLERE GÖRE DAĞILIMI

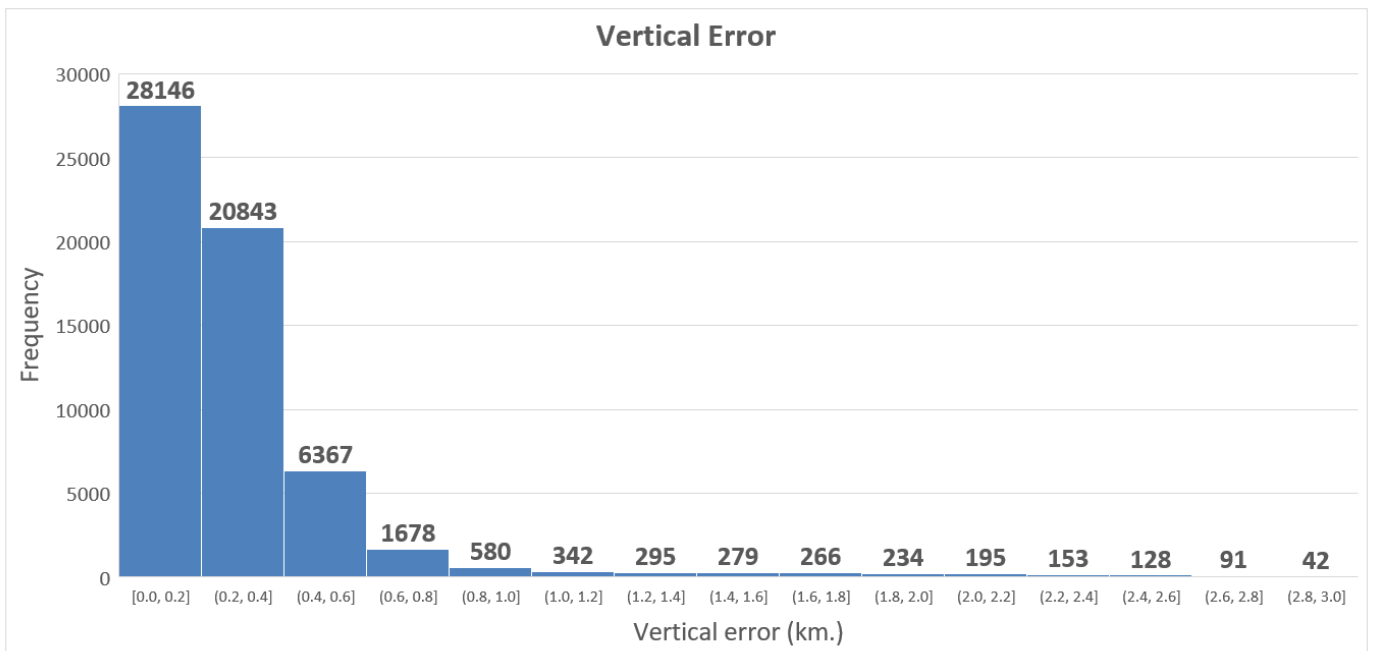
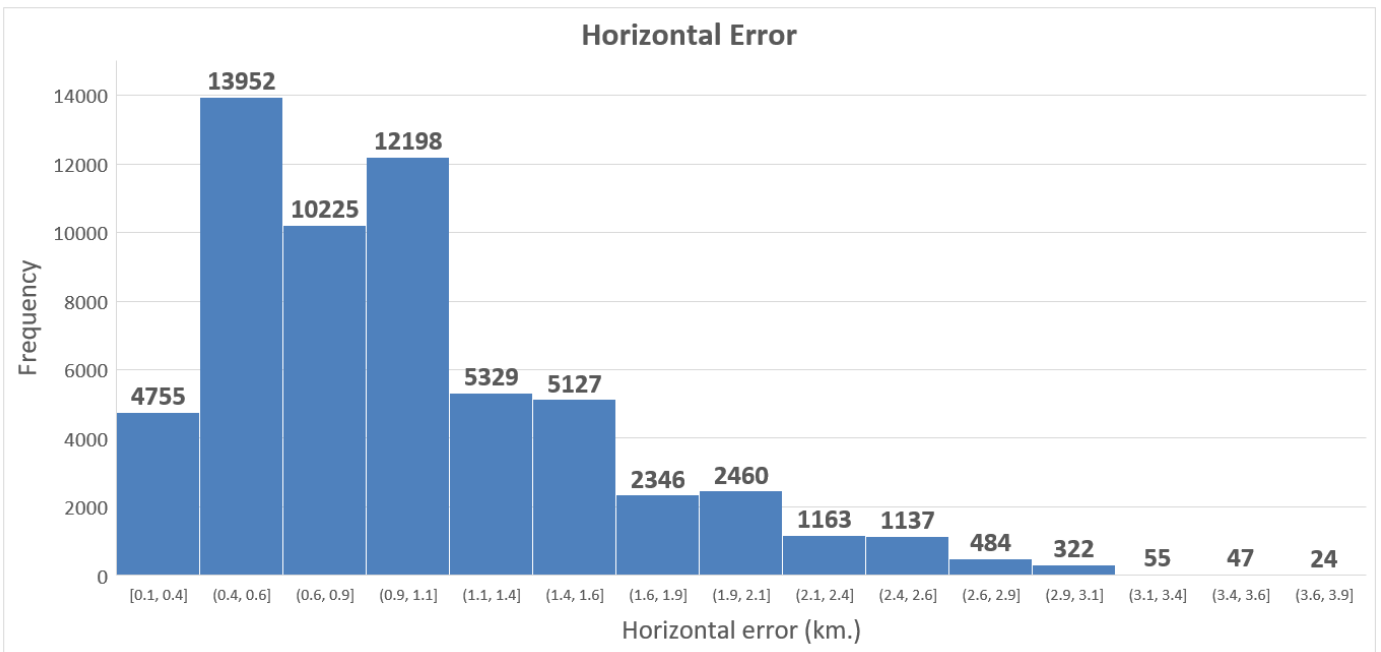
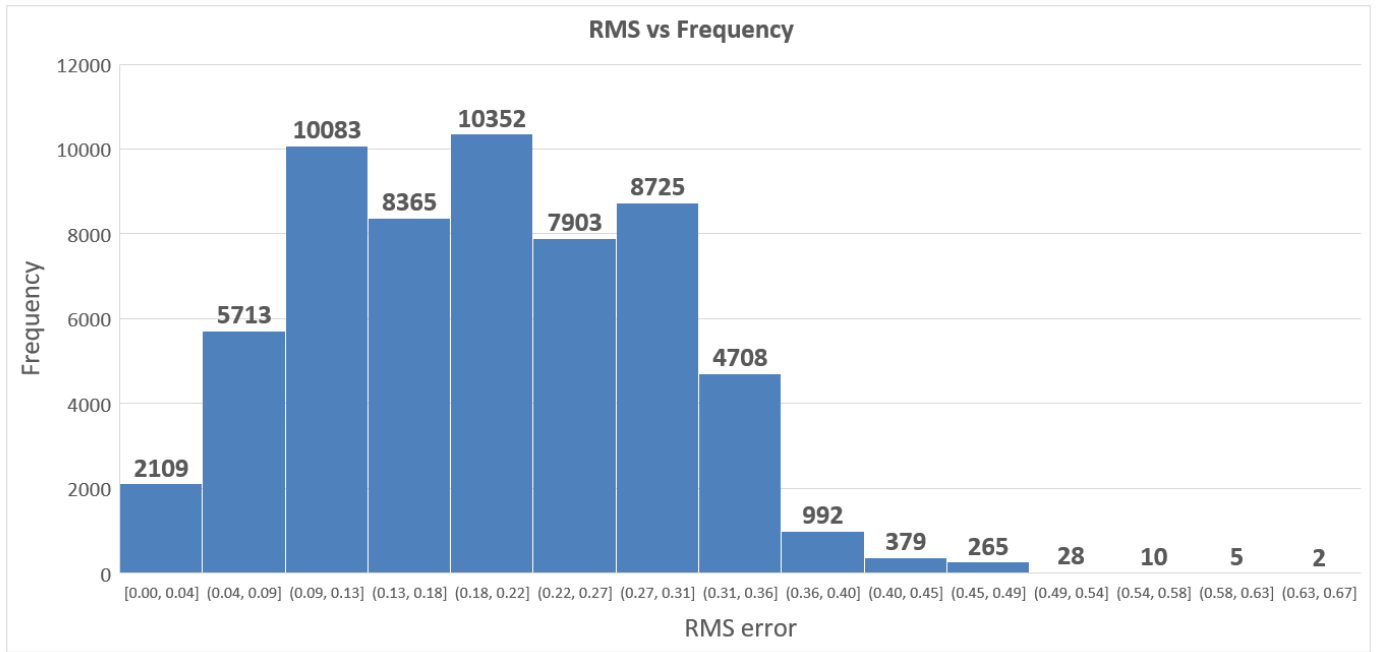


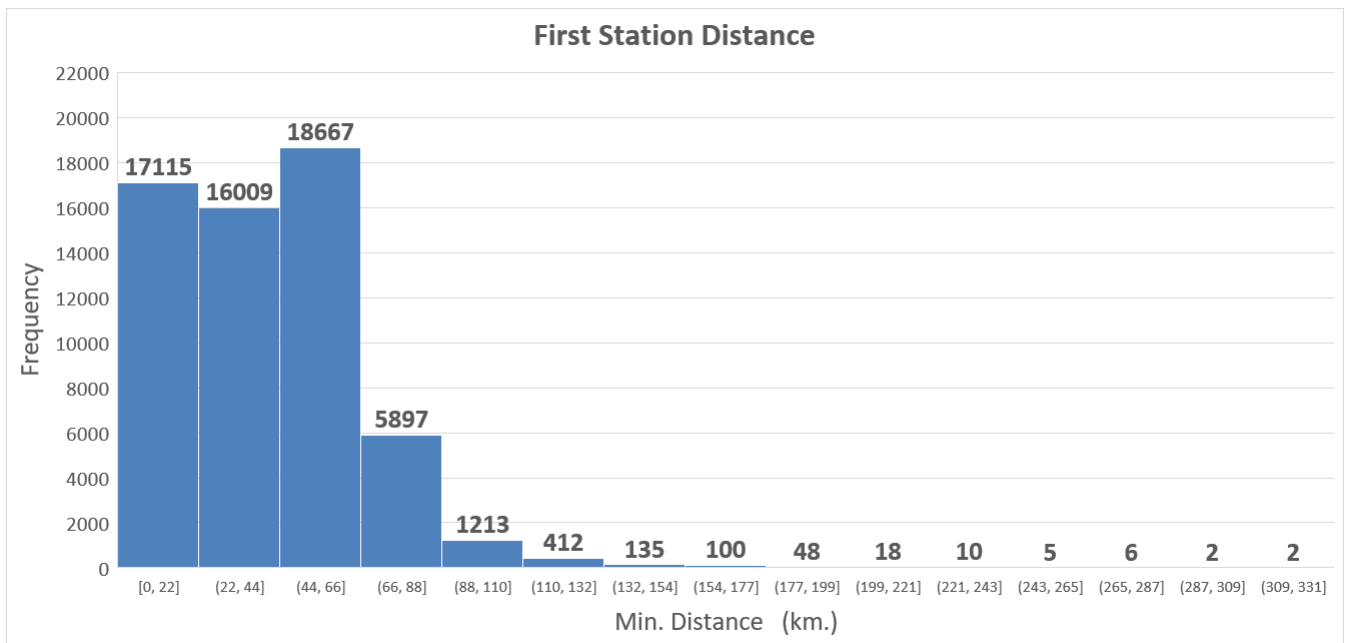
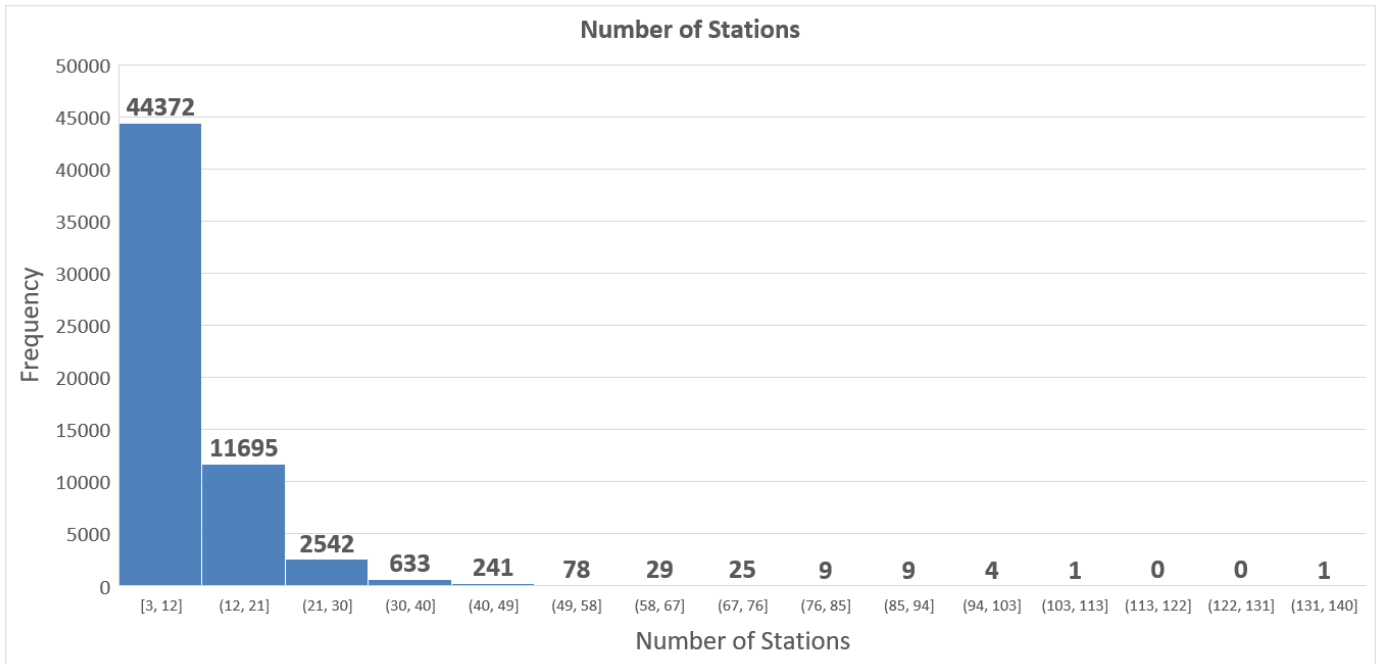
2023 YILINDA PATLATMALARIN SAATLERE GÖRE DAĞILIMI

SAAT (GMT)	GECE												GÜNDÜZ												TOPLAM
	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
	7	6	0	0	0	0	0	0	0	0	0	0	25	45	33	105	249	102	36	31	43	31	35	10	758
TOPLAM	13												745												

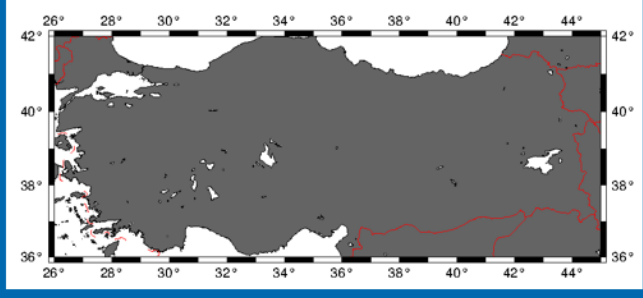
FARK : 732 % 97







1900 – 31 ARALIK 2023
(36-42 K , 26-45 D)



□ $3.0 < M < 3.9$	53677 Adet	(ortalama Günde 1 adet)
□ $4.0 < M < 4.9$	5865 Adet	(ortalama 8 Günde bir)
□ $5.0 < M < 5.9$	950 Adet	(ortalama 48 Günde bir)
□ $6.0 < M < 6.9$	86 Adet	(ortalama 17 Ayda bir)
□ $7.0 < M < 7.9$	20 Adet	(ortalama 6.2 Yılda bir)

DEPREM MEYDANA GELMEKTEDİR..

Hazırlayan: Yavuz GÜNEŞ