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Seismological Bulletin

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Institute of GeoSciences(IGEO)

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Institute of GeoSciences(IGEO)
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GENERAL BULLETIN INFORMATION

The location program currently used for locating earthquakes is Hypocenter (Lienert et al.,1986). Plane parallel layers are assumed for local and regional events, while the IASPEI travel time tables are used for distant events.

The model used for all local and regional events, is compiled by Havskov & Dushi (2021).

P-wave velocity (km/sec)	depth to top of layer (km)
5.6	0.0
6.0	11.0
6.35	23.5
7.80	41.0
8.20	70.0

Magnitudes are calculated from amplitudes.

Instrument corrected maximum ground amplitudes $A(nm)$ are used to assess the local magnitude M_l , based on the Richter formula (Hutton & Boore, 1987), corrected referred to EMSC:

$$M_l = 1.0 \cdot \log(A) + 1.11 \cdot \log(D) + 0.00189 \cdot D - 1.686$$

where, D is the hypocentral distance (km).

Representative M_L value is the arithmetic mean of the resulted magnitude values for each station. No station corrections are used for either travel times or magnitude. The V_p/V_s velocity ratio, used in the layered velocity model above, is 1.81.

As a general policy, neither depths nor epicenters are fixed unless stated, since this might restrict later use of the data.

As a consequence, some event locations might be unrealistic, like zero depth earthquakes or teleseismic locations off by 1000 km.

However, the locations are based on the available data and reflect the location procedure and the models used.

The bulletin working group is composed of supervising staff:

Prof. Asoc. Edmond Dushi (researcher), MSc. Damiano Koxhaj (researcher), MSc. Klajdi Qoshi (researcher) and the Analysts: Eng. Ardian Minarolli, MSc. Irena Dushi, MSc. Anila Subashi, MSc. Olgert Gjuzi and MSc. Dionald Mucaj. Link to the web bulletine working group

https://www.geo.edu.al/Services/Department_of_Seismology/Bulletin_working_group

STATIONS USED

The stations listed below are those operated by the Department of Seismology, Polytechnic University of Tirana (PUT). However, readings from other cooperating agencies are also used in locating the events and calculating magnitudes and thus more stations will appear in the event lists than in the station list.

STATION	LATITUDE	LONGITUDE	HEIGHT(m)	NAME
BCI	42.3666N	20.0675E	500	Bajram Curri
PUK	42.0426N	19.8926E	900	Puke
PHP	41.6847N	20.4408E	670	Peshkopi
SDA	42.0500N	19.5000E	30	Shkoder
TIR	41.3472N	19.8631E	247	Tirane
BERA	40.7081N	19.9455E	234	Berat
KBN	40.6200N	20.7900E	800	Korce
VLO	40.4700N	19.5000W	50	Vlore
SRN	39.8800N	20.0050W	20	Sarande
LSK	40.1499N	20.5987W	960	Leskovik
BPA1	40.7232N	19.6560E	10	Marinza Oilfield
BPA2	40.7302N	19.6187E	25	Marinza Oilfield
BELS	40.9709N	19.9128E	243	Belsh, Elbasan
BURR	41.6015N	20.0048E	362	Burrel
DRSH	41.2813N	19.5215E	123	Shkembi i Kavajes, Durres
FUST	41.3251N	20.3969E	1161	Fushe Studen, Librazhd
MOGL	40.7054N	20.3916E	497	Moglice, Maliq
PLSA	40.1659N	19.6240E	386	Palase, Vlore
POGR2	40.9376N	20.6340E	747	Memelisht, Pogradec
PRMT	40.2287N	20.3515E	294	Permet
RZM	42.3461N	19.5487E	1177	Razem, Shkoder
VLO2	40.4678N	19.5876E	183	Peshkepi - Vlore
POGR	40.8996N	20.6790E	710	Pogradec
KKS	42.0730N	20.4017E	399	Kukes

MACROSEISMIC DATA

Macroseismic data, if available, are included in the bulletin.

Abbreviations:

TIME: Origin time in UTC (hr. min. and sec.) or data file onset time if event is not located.

LAT: Latitude of epicenter

LON: Longitude of epicenter

DEPTH: Focal depth in kilometer (trailing F indicates fixed depth)

AGENCY: Hypocenter reporting agency e.g. TIR (ASN), EMS (EMSC), etc

MAGNITUDES: Up to 3 different magnitudes can be given followed by type and reporting agency, e.g. 3.1 MC TIR - coda magnitude calculated in TIR.

RMS: Root mean square value of travel time residuals

STAT: Station code

CO: Component, S: short period, L: long period, B: broadband,

DIST: Epicenter distance (km)

AZI: Azimuth from source to station

PHAS: Phase; The first letter characterizes onset E(mergent) or I(mpulsive)

P: Polarity (C for compression, D for dilatation)

HR: Hour

MN: Minute

SECON: Seconds

TRES: Residual (seconds)

CODA: Signal duration in seconds

AMPL: Ground Amplitude ($0.5 \times (\text{peak to peak})$), (nm) at period PERI

PERI: Period where amplitude is measured

BAZ: Back azimuth (station to event)

ARES: Back azimuth residual

VELO: Apparent phase velocity (km/sec)

WT: Weight of phase in the location

*: An asterix before the phase arrival time implies a potential timing error. If an S phase is read, differential S-P times will be used in the hypocenter location.

References:

- Ottmoller, Voss and Haskov (2017). Seisan Earthquake Analysis Software for Windows, Solaris, Linux and MacOSx. <http://seisan.info>.
- Hutton, L. K. and Boore, David M. (1987). The Ml scale in Southern California. Bull. of Seimological Society of America, 77 (6). pp. 2074-2094. ISSN 0037-1106, <https://resolver.caltech.edu/CaltechAUTHORS:20140905-113510505>.
- Havskov, J., Kuka, N., Duni, Ll., Dushi, E., Bozo, Rr. (2020). The Albanian Seismic Network, plans and progress towards improving data acquisition and processing. Status January 2020. Cooperation between the Albanian Seismic Network and the Iniversity of Bergen. <ftp://ftp.geo.uib.no/pub/seismo/REPORTS/ALBANIA/albania-uib-report-2.pdf>.

September 1 2024 Hour: 5:23:38.9 Lat: 40.38N Lon: 19.63E D: 18.7 Ag: TIR Local
 Magnitudes: 2.6ML TIR 3.1MW TIR Rms: 0.4 secs
 15 km SE of Vlore

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GE03	EZ			IP	A	0502	8.890								
VLO	HZ	15	312	EP		0502	2.432	-0.64							1.0
VLO	HN	15	312	ES		0502	5.795	-0.68							1.0
PLSA	EZ	23	181	EP		0502	3.350	-0.76							1.0
PLSA	EZ	23	181	ES		0502	8.423	0.07							1.0
PLSA	EZ	23	181	IAML		0502	3.883			487	0.2				1.0
TPE	HZ	34	105	EP		0502	4.893	-0.74							1.0
TPE	HE	34	105	ES		0502	1.382	0.27							1.0
TPE	HZ	34	105	IAML		0502	9.498			484	0.8				1.0
BPA2	HZ	39	359	EP		0502	6.629	0.22							1.0
BPA2	HN	39	359	ES		0502	2.966	0.44							1.0
BERA	HZ	46	36	EP		0502	6.403	-1.02							1.0
BERA	HZ	46	36	IAML		0502	3.737			329	0.2				1.0
BERA	HN	46	36	ES		0502	4.323	-0.03							1.0
SRN	HZ	64	150	EP		0502	0.522	0.22							1.0
SRN	HE	64	150	ES		0502	9.981	0.42							1.0
SRN	HZ	64	150	IAML		0503	3.333			110	0.7				1.0
PRMT	EZ	64	105	EP		0502	9.628	-0.70							1.0
PRMT	EN	64	105	ES		0502	9.574	-0.04							1.0
PRMT	EZ	64	105	IAML		0502	9.940			112	0.2				1.0
BELS	EZ	70	20	EP		0502	0.748	-0.67							1.0
BELS	EZ	70	20	IAML		0503	2.590			100	1.0				1.0
AL04AHN		70	355	ES		0503	2.335	0.77							1.0
AL04AHZ		70	355	IAML		0503	9.919			186	0.3				1.0
BELS	EN	70	20	ES		0503	1.746	0.17							1.0
AL04AHZ		70	355	EP		0502	1.653	0.24							1.0
AL05AHZ		74	60	EP		0502	1.573	-0.52							1.0
AL05AHZ		74	60	IAML		0503	9.348			185	0.1				1.0
MOGL	EZ	74	60	EP		0502	1.513	-0.57							1.0
MOGL	EZ	74	60	IAML		0503	9.375			109	0.4				1.0
AL05AHN		74	60	ES		0503	3.054	0.25							1.0
MOGL	EZ	74	60	ES		0503	3.075	0.28							1.0
KEK	HZ	75	169	EP		0502	2.493	0.29							1.0
KEK	HE	75	169	ES		0503	3.366	0.36							1.0
KEK	HZ	75	169	IAML		0503	0.824			81	0.3				1.0
LSK	HZ	86	107	EP		0502	3.561	-0.54							1.0
LSK	HN	86	107	ES		0503	6.738	0.30							1.0
LSK	HZ	86	107	IAML		0503	4.669			98	0.5				1.0
AL08AHZ		90	26	EP		0502	4.841	0.12							1.0
AL08AHN		90	26	ES		0503	7.992	0.44							1.0
AL08AHZ		90	26	IAML		0503	5.163			90	0.4				1.0
DRSH	EZ	101	355	EP		0502	7.023	0.55							1.0
DRSH	EN	101	355	ES		0503	0.907	0.18							1.0
KBN	HZ	102	74	EP		0502	6.942	0.25							1.0
KBN	HN	102	74	ES		0503	1.311	0.18							1.0
KBN	HZ	102	74	IAML		0503	0.123			57	1.6				1.0
SCTE	HZ	104	252	EP		0502	7.296	0.24							1.0
SCTE	HN	104	252	ES		0503	2.134	0.35							1.0
TIR	HZ	110	10	EP		0502	8.208	0.28							1.0
TIR	HE	110	10	ES		0503	3.570	0.20							1.0
TIR	HZ	110	10	IAML		0503	9.177			51	1.9				1.0
AL02AHZ		116	350	EP		0502	9.287	0.27							1.0
AL02AHE		116	350	ES		0503	5.521	0.19							1.0
AL02AHZ		116	350	IAML		0503	2.958			71	0.7				1.0
FUST	EZ	124	31	EP		0503	0.486	0.17							1.0
FUST	EZ	124	31	ES		0503	7.700	0.01							1.0
PENT	HZ	130	98	EP		0503	1.311	0.02							1.0
PENT	HN	130	98	ES		0503	9.416	-0.04							1.0
AL03AHN		140	13	ES		0503	2.169	0.04							1.0

LACI	HZ	140	3	EP	0503	2.686	-0.13								1.0
LACI	HN	140	3	ES	0503	2.267	0.05								1.0
LACI	HZ	140	3	IAML	0503	9.417		41	0.8						
BURR	EZ	140	13	EP	0503	2.879	0.11								1.0
BURR	EZ	140	13	ES	0503	2.207	0.08								1.0
BURR	EZ	140	13	IAML	0503	7.795		40	0.5						
AL03AHZ		140	13	EP	0503	2.550	-0.22								1.0
AL03AHZ		140	13	IAML	0503	7.421		41	0.5						
PHP	HZ	161	25	EP	0503	6.109	0.16								0.9
PHP	HN	161	25	ES	0503	7.973	0.09								0.9
PHP	HZ	161	25	IAML	0503	5.876		36	0.7						
KZN	HZ	182	92	EP	0503	9.050	0.31								0.9
KZN	HN	182	92	ES	0503	2.863	-0.08								0.9
PUK	HZ	186	7	IAML	0503	3.051		23	0.3						
SDA	HZ	186	357	EP	0503	8.783	-0.37								0.9
SDA	HN	186	357	ES	0503	3.829	0.14								0.9
PUK	HZ	186	7	EP	0503	8.976	-0.31								0.9
PUK	HN	186	7	ES	0503	2.911	-1.01								0.9
LKD2	HZ	197	153	EP	0503	0.803	0.19								0.9
LKD2	HN	197	153	ES	0503	6.624	0.30								0.9
KKS	HZ	199	19	EP	0503	1.334	0.46								0.9
KKS	HE	199	19	ES	0503	6.901	0.10								0.9
KKS	HZ	199	19	IAML	0503	5.441		21	1.0						
RZM	EZ	219	358	EP	0503	2.764	-0.72								0.9
RZM	EN	219	358	ES	0503	1.486	-0.05								0.9
NOCI	HZ	222	283	EP	0503	3.885	0.11								0.9
NOCI	HE	222	283	ES	0503	2.249	0.20								0.9
BCI	HZ	224	9	EP	0503	4.237	0.17								0.9
BCI	HE	224	9	ES	0503	2.484	-0.10								0.9
BCI	HZ	224	9	IAML	0503	8.602		18	0.7						
PRZK	HZ	225	25	EP	0503	4.335	0.17								0.9
PRZK	HE	225	25	ES	0503	2.619	-0.13								0.9
PRZK	HZ	225	25	IAML	0503	7.019		26	0.9						
PDG	HZ	230	352	EP	0503	4.895	0.11								0.9
PDG	HN	230	352	ES	0503	3.180	-0.70								0.9
PVY	HZ	248	6	EP	0503	7.373	0.15								0.9
PVY	HE	248	6	ES	0503	8.239	-0.05								0.9
PVY	HZ	248	6	IAML	0504	1.188		15	0.7						

September 1 2024 Hour: 19:16 24.2 Lat: 39.46N Lon: 20.66E D: 14.5 Ag: TIR Local
Magnitudes: 2.7ML TIR 3.2MW TIR Rms: 0.4 secs

46 km SE of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRN	HZ	74	310	EP	D	1916	6.483	-0.74							1.0
SRN	HE	74	310	ES		1916	8.007	0.23							1.0
SRN	HZ	74	310	IAML		1916	9.874		133	0.5					
LKD2	HZ	74	180	EP		1916	6.839	-0.47							1.0
LKD2	HE	74	180	ES		1916	8.562	0.63							1.0
LSK	HZ	77	356	EP		1916	7.006	-0.83							1.0
LSK	HE	77	356	ES		1916	8.951	0.05							1.0
LSK	HZ	77	356	IAML		1916	9.074		225	0.6					
KEK	HZ	80	291	EP		1916	7.348	-0.85							1.0
KEK	HN	80	291	ES		1916	9.896	0.35							1.0
KEK	HZ	80	291	IAML		1916	5.928		254	0.5					
PRMT	EZ	90	343	EP		1916	9.238	-0.66							1.0
PRMT	EN	90	343	ES		1916	2.785	0.17							1.0
PRMT	EZ	90	343	IAML		1916	6.165		67	0.4					
PENT	HZ	92	26	EP		1916	9.208	-1.04							1.0
PENT	HE	92	26	ES		1916	3.397	0.15							1.0
TPE	HZ	108	329	EP		1916	3.102	0.12							1.0
TPE	HN	108	329	ES		1916	8.315	0.12							1.0
TPE	HZ	108	329	IAML		1917	6.358		136	0.4					
NEST	HZ	111	17	EP		1916	3.080	-0.45							1.0
NEST	HE	111	17	ES		1916	9.163	-0.04							1.0

NEST	HZ	111	17	IAML	1917	2.208		79	0.5				
THL	HZ	117	84	EP	1916	4.609	0.24						1.0
PLSA	EZ	119	312	EP	1916	4.892	0.15						1.0
PLSA	EN	119	312	ES	1917	1.565	0.17						1.0
PLSA	EZ	119	312	IAML	1917	7.530		78	0.3				
KBN	HZ	130	5	EP	1916	6.796	0.17						1.0
KBN	HE	130	5	ES	1917	5.038	0.24						1.0
KBN	HZ	130	5	IAML	1917	7.273		64	1.7				
KZN	HZ	134	45	EP	1916	7.523	0.28						1.0
KZN	HN	134	45	ES	1917	6.032	0.11						1.0
MOGL	EZ	141	351	EP	1916	8.620	0.25						1.0
MOGL	EZ	141	351	IAML	1917	6.769		74	1.3				
AL05AHZ	141	351	EP	1916	8.777	0.41							1.0
AL05AHN	141	351	ES	1917	8.422	0.47							1.0
AL05AHZ	141	351	IAML	1917	5.819			68	0.6				
VLS	HZ	142	183	EP	1916	8.231	-0.39						1.0
VLS	HE	142	183	ES	1917	8.893	0.47						1.0
VLO	HZ	150	319	EP	1916	0.240	0.28						1.0
VLO	HN	150	319	ES	1917	1.035	0.20						1.0
BERA	HZ	152	336	EP	1916	0.492	0.26						1.0
BERA	HN	152	336	ES	1917	1.497	0.18						1.0
BERA	HZ	152	336	IAML	1917	2.161		89	0.5				
BELS	EZ	180	339	EP	1916	4.412	0.27						0.9
BELS	EN	180	339	ES	1917	8.425	0.02						0.9
BELS	EZ	180	339	IAML	1917	4.755		26	0.6				
SCTE	HZ	200	291	EP	1916	5.949	-0.79						0.9
PHP	HZ	248	356	EP	1917	3.242	0.30						0.9
PHP	HE	248	356	ES	1917	4.499	0.16						0.9
PHP	HZ	248	356	IAML	1917	5.774		20	1.0				
LACI	HZ	255	342	EP	1917	3.979	0.23						0.9
LACI	HE	255	342	ES	1917	5.270	-0.52						0.9
PLG	HZ	259	66	EP	1917	4.425	0.15						0.9
PLG	HN	259	66	ES	1917	6.699	-0.04						0.9
ITM	HZ	276	156	EP	1917	6.742	0.27						0.8
PUK	HZ	294	347	EP	1917	8.894	-0.02						0.8

September 2 2024 Hour: 8:22 46.9 Lat: 38.47N Lon: 20.55E D: 6.9 Ag: TIR Local
Magnitudes: 3.6ML TIR Rms: 0.2 secs
136 km S of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GE03	EZ			IP	0A	0823	4.390								
VLS	HZ	33	173	EP		0822	2.675	-0.12							1.0
VLS	HN	33	173	ES		0822	7.628	0.02							1.0
LKD2	HZ	37	15	EP		0822	3.457	-0.12							1.0
LKD2	HN	37	15	ES		0822	8.895	-0.13							1.0
KEK	HZ	153	335	EP		0823	3.281	-0.01							1.0
KEK	HN	153	335	ES		0823	5.061	0.36							1.0
KEK	HZ	153	335	IAML		0823	9.941		407	0.5					
SRN	HZ	164	343	EP		0823	5.364	0.24							0.9
SRN	HN	164	343	ES		0823	7.716	-0.30							0.9
SRN	HZ	164	343	IAML		0823	1.911		163	0.3					
THL	HZ	176	46	EP		0823	7.382	0.22							0.9
LSK	HZ	187	1	EP		0823	8.968	0.30							0.9
LSK	HN	187	1	ES		0823	4.366	-0.07							0.9
LSK	HZ	187	1	IAML		0823	0.845		471	0.5					
ITM	HZ	188	139	EP		0823	9.076	0.38							0.9
ITM	HN	188	139	ES		0823	4.212	-0.28							0.9
PRMT	EZ	196	355	EP		0823	9.768	-0.02							0.9
PRMT	EZ	196	355	IAML		0823	8.952		175	0.6					
PENT	HZ	199	15	EP		0823	0.007	-0.18							0.9
PLSA	EZ	205	337	EP		0823	0.703	-0.18							0.9
TPE	HZ	208	347	EP		0823	0.982	-0.31							0.9
TPE	HZ	208	347	IAML		0824	1.682		233	0.8					
KZN	HZ	230	27	EP		0823	4.488	0.32							0.9

KBN	HZ	240	5	EP	0823	5.670	0.17										0.9
MOGL	EZ	249	357	EP	0823	6.747	0.19										0.9
AL05AHZ		249	357	EP	0823	6.236	-0.33										0.9
BERA	HZ	253	348	EP	0823	6.961	-0.14										0.9
BERA	HZ	253	348	IAML	0824	0.015				151	0.3						

September 6 2024 Hour: 17:10 57.0 Lat: 43.00N Lon: 18.68E D: 10.4 Ag: TIR Local
Magnitudes: 3.5ML TIR 3.5MW TIR Rms: 0.3 secs
107 km NW of Koplík

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SELS	SZ			IP	A	1711	0.300								
NKME	HZ	34	139	EP	C	1711	3.381	-0.06							1.0
NKME	HN	34	139	ES		1711	9.088	0.43							1.0
NKME	HZ	34	139	IAML		1711	0.597			2095	0.3				
ME02AHZ		40	64	EP	D	1711	4.989	0.51							1.0
ME02AHN		40	64	ES		1711	0.472	-0.06							1.0
ME05AHZ		62	193	EP		1711	8.219	0.20							1.0
ME05AHE		62	193	ES		1711	7.284	0.34							1.0
ME05AHZ		62	193	IAML		1711	2.778			1309	0.3				
ME03AHZ		68	55	EP		1711	8.865	-0.20							1.0
ME03AHE		68	55	ES		1711	9.261	0.43							1.0
ME03AHZ		68	55	IAML		1711	4.604			1306	0.3				
PDG	HZ	79	143	EP		1711	0.099	-0.88							1.0
PDG	HN	79	143	ES		1711	2.395	0.10							1.0
PDG	HZ	79	143	IAML		1711	3.565			844	0.4				
ME01AHZ		100	99	EP		1711	4.453	0.04							1.0
ME01AHE		100	99	ES		1711	8.613	0.10							1.0
ME01AHZ		100	99	IAML		1711	1.717			875	0.7				
RZM	EZ	102	135	EP		1711	4.771	-0.03							1.0
RZM	EZ	102	135	ES		1711	9.152	-0.05							1.0
RZM	EZ	102	135	IAML		1711	3.581			514	0.9				
SJES	BZ	109	74	EP	C	1711	6.539	0.49							1.0
SJES	BN	109	74	ES		1711	1.285	-0.19							1.0
SDA	HZ	125	147	EP		1711	7.872	-0.76							1.0
SDA	HE	125	147	ES		1711	6.393	0.24							1.0
BCI	HZ	134	121	EP		1711	9.656	-0.44							1.0
BCI	HN	134	121	ES		1711	9.016	0.22							1.0
BCI	HZ	134	121	IAML		1711	2.632			414	0.8				
PEJK	HZ	137	106	EP		1711	0.555	-0.05							1.0
PEJK	HN	137	106	ES		1711	9.541	-0.17							1.0
PEJK	HZ	137	106	IAML		1711	3.488			481	0.6				
PUK	HZ	146	136	EP		1711	1.645	-0.47							1.0
PUK	HN	146	136	ES		1711	2.421	-0.03							1.0
PUK	HZ	146	136	IAML		1711	5.020			316	0.5				
LACI	HZ	174	150	EP		1711	5.788	-0.84							0.9
LACI	HN	174	150	ES		1711	0.654	0.04							0.9
LACI	HZ	174	150	IAML		1711	3.522			184	0.5				
KKS	HZ	175	125	EP		1711	6.585	-0.22							0.9
KKS	HN	175	125	ES		1711	0.994	0.05							0.9
KKS	HZ	175	125	IAML		1711	5.627			403	0.4				
AL02AHZ		186	161	EP		1711	8.826	0.61							0.9
AL02AHN		186	161	ES		1711	2.852	-0.64							0.9
AL02AHZ		186	161	IAML		1712	1.652			203	0.5				
BURR	EZ	190	144	IAML		1712	0.981			163	0.5				
AL03AHZ		190	144	EP		1711	8.750	0.04							0.9
AL03AHN		190	144	ES		1711	4.558	0.16							0.9
AL03AHZ		190	144	IAML		1712	1.492			334	0.6				
BURR	EZ	190	144	EP		1711	8.788	0.07							0.9
BURR	EN	190	144	ES		1711	4.499	0.10							0.9
PRZK	HZ	192	116	EP		1711	9.040	0.04							0.9
PRZK	HN	192	116	ES		1711	5.028	0.12							0.9
PRZK	HZ	192	116	IAML		1711	9.218			263	0.6				
DRSH	EZ	203	160	EP		1711	0.441	0.06							0.9
DRSH	EN	203	160	ES		1711	7.619	0.21							0.9

DRSH	EZ	203	160	IAML	1712	2.944			254	0.4			
PHP	HZ	206	135	EP	1711	0.784-0.02							0.9
PHP	HN	206	135	ES	1711	8.554	0.37						0.9
PHP	HZ	206	135	IAML	1712	6.923			200	0.4			
TIR	HZ	208	151	EP	1711	1.198	0.19						0.9
TIR	HN	208	151	ES	1711	8.852	0.30						0.9
TIR	HZ	208	151	IAML	1712	6.841			139	1.2			
GMRK	HZ	211	99	EP	1711	1.318-0.21							0.9
GMRK	HN	211	99	ES	1711	9.419-0.06							0.9
BLY	HZ	228	329	EP	1711	3.458-0.17							0.9
BLY	HN	228	329	ES	1712	3.513	0.23						0.9
AL04AHZ		233	161	EP	1711	4.552	0.34						0.9
AL04AHN		233	161	ES	1712	4.476	0.12						0.9
FUST	EZ	234	142	EP	1711	5.124	0.66						0.9
FUST	EN	234	142	ES	1712	4.867	0.07						0.9
AL08AHZ		241	150	EP	1711	5.535	0.27						0.9
AL08AHN		241	150	ES	1712	6.440	0.18						0.9
AL08AHZ		241	150	IAML	1712	2.644			111	0.8			
BELS	EZ	248	155	EP	1711	6.142	0.07						0.9
BARS	BZ	257	93	EP	1711	6.514-0.80							0.9
BERA	HZ	276	157	EP	1711	9.666-0.06							0.8
BERA	HN	276	157	ES	1712	4.300-0.02							0.8
BERA	HZ	276	157	IAML	1712	6.529			65	0.5			
AL07AHZ		286	144	EP	1711	1.169	0.07						0.8
AL07AHE		286	144	ES	1712	6.137-0.68							0.8
AL05AHZ		292	150	EP	1711	1.299-0.50							0.8
AL05AHZ		292	150	IAML	1712	3.639			64	0.5			

September 6 2024 Hour: 23:48 18.5 Lat: 43.00N Lon: 18.72E D: 2.7 Ag: TIR Local
Magnitudes: 2.6ML TIR 2.8MW TIR Rms: 0.3 secs
105 km NW of Koplik

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SELS	SZ			IP	A	2348	1.650								
NKME	HZ	32	143	EP		2348	4.322	0.02							1.0
NKME	HN	32	143	ES		2348	9.241	0.26							1.0
NKME	HZ	32	143	IAML		2348	3.606			390	0.2				
ME02AHZ		37	62	EP		2348	5.824	0.58							1.0
ME02AHN		37	62	ES		2348	0.820	0.13							1.0
ME05AHZ		62	196	EP		2348	9.780	0.13							1.0
ME05AHE		62	196	ES		2348	8.835	0.18							1.0
ME05AHZ		62	196	IAML		2348	5.185			162	0.3				
PDG	HZ	77	145	EP		2348	1.990-0.36								1.0
PDG	HE	77	145	ES		2348	3.750	0.21							1.0
PDG	HZ	77	145	IAML		2348	7.240			84	0.4				
ME01AHZ		97	100	EP		2348	5.995	0.21							1.0
ME01AHN		97	100	ES		2348	9.717-0.04								1.0
ME01AHZ		97	100	IAML		2348	6.043			102	0.7				
RZM	EZ	100	136	EP		2348	6.320	0.01							1.0
RZM	EN	100	136	ES		2348	0.536-0.18								1.0
RZM	EZ	100	136	IAML		2348	7.142			46	0.3				
SJES	BZ	106	74	EP		2348	7.561	0.03							1.0
SJES	BN	106	74	ES		2348	3.167	0.24							1.0
PVY	HZ	111	113	EP		2348	8.250-0.12								1.0
PVY	HN	111	113	ES		2348	4.573	0.14							1.0
PVY	HZ	111	113	IAML		2348	7.950			69	0.6				
SDA	HZ	123	148	EP		2348	9.344-1.00								1.0
SDA	HN	123	148	ES		2348	7.966-0.05								1.0
BCI	HZ	131	122	EP		2348	1.348-0.30								1.0
BCI	HN	131	122	ES		2349	0.358-0.02								1.0
BCI	HZ	131	122	IAML		2349	9.239			41	0.7				
PEJK	HZ	134	107	EP		2348	1.838-0.27								1.0
PEJK	HN	134	107	ES		2349	0.960-0.25								1.0
PEJK	HZ	134	107	IAML		2349	5.398			38	0.3				
PUK	HZ	144	137	EP		2348	2.980-0.77								1.0

PUK	HE	144	137	ES	2349	4.193	0.01										1.0
PUK	HZ	144	137	IAML	2349	8.622		28	0.4								
KKS	HZ	172	126	EP	2348	8.679	0.15										0.9
KKS	HN	172	126	ES	2349	2.835	-0.00										0.9
KKS	HZ	172	126	IAML	2349	8.381		28	0.3								
LACI	HZ	172	151	EP	2348	8.684	0.19										0.9
LACI	HN	172	151	ES	2349	2.927	0.17										0.9
LACI	HZ	172	151	IAML	2349	7.097		22	0.5								
AL02AHZ	185	162	EP	2348	0.736	0.19											0.9
AL02AHE	185	162	ES	2349	6.557	0.07											0.9
AL02AHZ	185	162	IAML	2349	3.744			32	0.5								
AL03AHZ	188	145	EP	2348	0.563	-0.38											0.9
BURR	EZ	188	145	EP	2348	0.661	-0.29										0.9
AL03AHE	188	145	ES	2349	7.421	0.22											0.9
BURR	EZ	188	145	IAML	2349	4.767		22	0.4								
AL03AHZ	188	145	IAML	2349	6.586			26	0.3								
BURR	EZ	188	145	ES	2349	7.257	0.05										0.9
PRZK	HZ	189	117	EP	2348	1.443	0.33										0.9
PRZK	HN	189	117	ES	2349	7.429	-0.07										0.9
PRZK	HZ	189	117	IAML	2349	2.823		25	0.6								
DRSH	EZ	202	160	EP	2348	2.778	0.07										0.9
DRSH	EN	202	160	ES	2349	0.974	0.59										0.9
DRSH	EZ	202	160	IAML	2349	6.549		26	0.4								
PHP	HZ	204	135	EP	2348	2.847	-0.14										0.9
PHP	HN	204	135	ES	2349	0.996	0.10										0.9
PHP	HZ	204	135	IAML	2349	4.585		15	1.0								
TIR	HZ	206	152	EP	2348	3.476	0.19										0.9
TIR	HN	206	152	ES	2349	1.545	0.11										0.9
GMRK	HZ	208	100	EP	2348	3.482	-0.13										0.9
GMRK	HN	208	100	ES	2349	1.912	-0.11										0.9
FUST	EZ	232	143	EP	2348	6.748	0.07										0.9
FUST	EN	232	143	ES	2349	7.547	-0.04										0.9
BELS	EZ	246	156	EP	2348	8.758	0.39										0.9
BELS	EN	246	156	ES	2349	0.729	0.09										0.9
BARS	BZ	254	94	EP	2348	9.290	-0.10										0.9
BARS	BE	254	94	ES	2349	2.447	-0.04										0.9
AL05AHZ	290	151	EP	2349	3.639	-0.42											0.8

September 10 2024 Hour: 16:58 53.7 Lat: 38.47N Lon: 20.57E D: 8.5 Ag: TIR Local
Magnitudes: 2.5ML TIR 2.6MW TIR Rms: 0.2 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VLS	HZ	32	177	EP		1658	9.257	-0.36							1.0
VLS	HN	32	177	ES		1659	4.352	-0.07							1.0
KEK	HZ	154	335	EP		1659	0.389	0.21							1.0
KEK	HN	154	335	ES		1659	1.594	-0.06							1.0
KEK	HZ	154	335	IAML		1659	3.420			27	2.0				
SRN	HZ	165	343	EP		1659	2.164	0.19							0.9
SRN	HN	165	343	ES		1659	4.898	0.01							0.9
THL	HZ	175	45	EP		1659	3.882	0.23							0.9
THL	HE	175	45	ES		1659	7.889	-0.03							0.9
ITM	HZ	186	140	EP		1659	5.425	0.29							0.9
ITM	HE	186	140	ES		1659	0.684	0.07							0.9
PENT	HZ	198	14	EP		1659	6.833	0.05							0.9
PENT	HN	198	14	ES		1659	3.258	-0.34							0.9
NEST	HZ	220	11	EP		1659	9.779	0.18							0.9
NEST	HN	220	11	ES		1659	8.359	-0.34							0.9

September 11 2024 Hour: 10:17 22.4 Lat: 39.24N Lon: 20.96E D: 12.6 Ag: TIR Local
 Magnitudes: 2.7ML TIR 3.2MW TIR Rms: 0.4 secs

81 km SE of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
JAN	HE	47	349	ES		1017	8.315	0.45							1.0
LKD2	HZ	57	207	EP		1017	3.385	0.79							1.0
LKD2	HN	57	207	ES		1017	0.639	-0.22							1.0
THL	HZ	98	68	EP		1017	9.478	0.07							1.0
THL	HE	98	68	ES		1017	2.765	-0.43							1.0
LSK	HZ	105	343	EP		1017	0.858	0.16							1.0
LSK	HN	105	343	ES		1017	5.839	0.31							1.0
LSK	HZ	105	343	IAML		1018	1.395			218	0.7				
PENT	HZ	107	8	EP		1017	0.525	-0.46							1.0
SRN	HZ	108	311	EP		1017	1.527	0.36							1.0
SRN	HN	108	311	ES		1017	6.718	0.34							1.0
SRN	HZ	108	311	IAML		1017	8.241			92	0.6				
KEK	HZ	112	298	EP		1017	1.742	-0.12							1.0
KEK	HN	112	298	ES		1017	6.726	-0.91							1.0
KEK	HZ	112	298	IAML		1017	9.904			231	0.5				
VLS	HZ	123	195	EP		1017	3.575	0.02							1.0
VLS	HN	123	195	ES		1018	0.617	-0.09							1.0
NEST	HZ	130	3	EP		1017	4.883	-0.00							1.0
NEST	HN	130	3	ES		1018	3.613	0.51							1.0
NEST	HZ	130	3	IAML		1018	0.396			66	0.3				
KZN	HZ	137	30	EP		1017	6.020	0.01							1.0
TPE	HZ	142	326	EP		1017	6.761	-0.00							1.0
TPE	HN	142	326	ES		1018	5.720	-0.78							1.0
TPE	HZ	142	326	IAML		1018	2.587			86	0.4				
PLSA	EZ	153	312	EP		1017	9.009	0.30							1.0
PLSA	EZ	153	312	IAML		1018	2.130			46	0.3				
KBN	HZ	154	355	EP		1017	8.365	-0.45							1.0
KBN	HZ	154	355	IAML		1018	9.532			29	0.7				
MOGL	EZ	169	344	EP		1017	1.421	0.19							0.9
AL05AHZ		169	344	EP		1017	1.403	0.17							0.9
AL05AHN		169	344	ES		1018	4.284	-0.31							0.9
AL05AHZ		169	344	IAML		1018	3.708			32	0.3				
BERA	HZ	183	332	EP		1017	3.430	0.44							0.9
BERA	HZ	183	332	IAML		1018	0.197			51	0.6				
BELS	EZ	211	335	EP		1017	6.245	-0.35							0.9
BELS	EN	211	335	ES		1018	4.592	0.30							0.9
BELS	EZ	211	335	IAML		1018	9.746			15	0.8				
PLG	HZ	247	59	EP		1018	1.048	-0.17							0.9
PHP	HZ	275	351	EP		1018	4.559	-0.19							0.8
PHP	HZ	275	351	IAML		1018	3.965			16	1.0				

September 13 2024 Hour: 0:25 42.6 Lat: 39.26N Lon: 21.45E D: 10.0F Ag: TIR Local
 Magnitudes: 3.5ML TIR 3.8MW TIR Rms: 0.6 secs

117 km E of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SELS	SZ			IP	A	0026	5.950								
GE03	EZ			IP	A	0026	4.920								
THL	HZ	59	55	EP	C	0025	3.807	0.71							1.0
THL	HN	59	55	ES		0026	2.172	0.55							1.0
JAN	HN	68	311	ES		0026	4.945	0.36							1.0
PENT	HZ	107	346	EP	C	0026	1.395	-0.36							1.0
PENT	HN	107	346	ES		0026	6.635	-0.66							1.0
KZN	HZ	119	13	EP	D	0026	3.289	-0.60							1.0
LSK	HZ	123	324	EP	D	0026	4.495	-0.06							1.0
LSK	HZ	123	324	IAML		0026	3.492			500	0.6				
NEST	HZ	133	345	EP	C	0026	6.178	-0.02							1.0
NEST	HZ	133	345	IAML		0026	8.485			967	0.7				
VLS	HZ	142	212	EP		0026	6.555	-1.07							1.0
SRN	HZ	143	299	EP	D	0026	8.060	0.30							1.0

SRN	HZ	143	299	IAML	0026	0.034		310	0.6	
PRMT	EZ	143	319	EP	C 0026	7.768-0.10				1.0
PRMT	EZ	143	319	IAML	0026	2.417		220	0.6	
KEK	HZ	151	290	EP	C 0026	8.818-0.36				1.0
KEK	HN	151	290	ES	0026	0.686-0.04				1.0
KEK	HZ	151	290	IAML	0026	7.122		706	0.4	
KBN	HZ	162	340	EP	C 0026	1.017 0.01				0.9
KBN	HE	162	340	ES	0026	3.852-0.18				0.9
KBN	HZ	162	340	IAML	0026	0.562		365	0.6	
TPE	HZ	169	313	EP	0026	2.407 0.32				0.9
TPE	HE	169	313	ES	0026	6.170 0.18				0.9
TPE	HZ	169	313	IAML	0026	1.866		502	0.8	
AL05AHZ		184	331	IAML	0026	8.094		191	0.6	
MOGL	EZ	184	331	EP	C 0026	4.796 0.05				0.9
MOGL	EZ	184	331	IAML	0026	8.112		114	0.6	
AL05AHZ		184	331	EP	D 0026	5.151 0.40				0.9
PLSA	EZ	186	303	EP	0026	5.273 0.20				0.9
PLSA	EZ	186	303	IAML	0026	8.925		133	0.4	
AL07AHZ		194	340	EP	0026	6.905 0.80				0.9
AL07AHZ		194	340	IAML	0026	8.694		1021	0.7	
THE	HZ	200	40	EP	C 0026	4.790-1.99				0.9
THE	HZ	200	40	IAML	0026	6.517		85	0.5	
BERA	HZ	206	322	EP	0026	7.596-0.03				0.9
BERA	HZ	206	322	IAML	0027	1.395		212	0.6	
BELS	EZ	231	326	EP	0026	2.449 1.63				0.2
BELS	EZ	231	326	IAML	0027	4.278		549	0.7	
ITM	HZ	235	170	EP	0026	2.072 0.78				0.9
FUST	EZ	246	339	EP	0026	3.765 0.87				0.2
FUST	EZ	246	339	IAML	0027	3.206		29	0.7	
TIR	HZ	268	330	EP	0026	5.905 0.31				0.9
TIR	HZ	268	330	IAML	0027	4.242		58	0.8	
DRSH	EZ	278	324	IAML	0027	6.605		124	1.0	
AL03AHZ		288	335	EP	0026	8.778 0.68				0.8
AL03AHZ		288	335	IAML	0027	4.195		140	0.7	
BURR	EZ	288	335	EP	0026	9.295 1.20				0.8
BURR	EZ	288	335	IAML	0027	0.359		72	0.5	
LACI	HZ	302	331	EP	0026	0.115 0.19				0.8
LACI	HZ	302	331	IAML	0027	7.669		70	0.6	
KKS	HZ	325	344	EP	0026	2.593-0.27				0.8
KKS	HZ	325	344	IAML	0027	8.129		69	0.7	
PUK	HZ	336	337	EP	0026	5.056 0.69				0.8
PUK	HZ	336	337	IAML	0027	6.420		32	0.5	
BCI	HZ	364	342	EP	0026	7.939-0.00				0.8
BCI	HZ	364	342	IAML	0027	5.612		63	0.6	
GMRK	HZ	378	357	EP	0026	8.420-1.34				0.4
GMRK	HZ	378	357	IAML	0027	3.643		17	0.5	
RZM	EZ	379	335	EP	0026	0.047 0.19				0.8
RZM	EZ	379	335	IAML	0027	9.175		27	0.3	
PEJK	HZ	389	346	EP	0026	0.266-0.82				0.7
PEJK	HZ	389	346	IAML	0027	5.340		27	0.8	
PVY	HZ	391	342	EP	0026	1.970 0.49				0.7
PVY	HZ	391	342	IAML	0027	0.062		41	0.5	
PDG	HZ	398	333	EP	0026	2.020-0.14				0.7
PDG	HZ	398	333	IAML	0027	9.193		25	0.3	
ME01AHZ		420	342	EP	0026	4.923-0.14				0.7
ME01AHZ		420	342	IAML	0027	0.171		48	0.8	
NKME	HZ	443	332	EP	0026	7.333-0.68				0.7
NKME	HZ	443	332	IAML	0027	1.907		72	2.2	
SJES	BZ	461	345	EP	0026	9.517-0.97				0.7
ME02AHZ		475	336	EP	0026	2.227-0.01				0.7
ME02AHZ		475	336	IAML	0027	4.751		35	0.8	
ME03AHZ		487	340	EP	0026	3.576-0.14				0.7

September 13 2024 Hour: 5:33 57.7 Lat: 40.92N Lon: 19.82E D: 20.4 Ag: TIR Local
 Magnitudes: 3.5ML TIR 3.6MW TIR Rms: 0.4 secs
 9 km SW of Belsh

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GE03	EZ			IP	0A	0534	4.330								
BELS	EZ	10	56	EP	D	0534	1.518-0.13								1.0
BELS	EN	10	56	ES		0534	4.467-0.38								1.0
BELS	EZ	10	56	IAML		0534	4.498		212000	0.2					
AL04AHZ	24	293	EP	C	0534	4.269	1.15								1.0
AL04AHZ	24	293	IAML		0534	8.132			4309	0.3					
BERA	HZ	27	156	EP	C	0534	3.236-0.33								1.0
BERA	HN	27	156	ES		0534	7.880-0.42								1.0
BERA	HZ	27	156	IAML		0534	9.180		2701	0.2					
AL08AHZ	31	50	EP	D	0534	4.132-0.06									1.0
AL08AHE	31	50	ES		0534	9.611	0.17								1.0
AL08AHZ	31	50	IAML		0534	2.673			2938	0.3					
DRSH	EZ	47	328	IAML		0534	5.328		1323	1.0					
TIR	HZ	47	5	EP		0534	6.840	0.23							1.0
TIR	HE	47	5	ES		0534	4.458	0.64							1.0
TIR	HZ	47	5	IAML		0534	7.053		539	0.4					
AL05AHZ	54	116	EP	D	0534	7.694-0.02									1.0
AL05AHZ	54	116	IAML		0534	6.746			2780	0.2					
MOGL	EZ	54	116	EP	D	0534	7.714	0.00							1.0
MOGL	EZ	54	116	IAML		0534	6.768		1674	0.2					
AL05AHE	54	116	ES		0534	6.061	0.24								1.0
MOGL	EN	54	116	ES		0534	5.986	0.17							1.0
VLO	HZ	57	209	EP	D	0534	8.744	0.52							1.0
VLO	HE	57	209	ES		0534	7.232	0.50							1.0
VLO	HZ	57	209	IAML		0534	1.660		2307	0.4					
FUST	EZ	66	47	EP	C	0534	9.198-0.48								1.0
FUST	EE	66	47	ES		0534	9.660	0.29							1.0
FUST	EZ	66	47	IAML		0534	4.023		109	0.4					
TPE	HZ	72	167	EP	C	0534	0.664	0.10							1.0
TPE	HN	72	167	ES		0534	0.713-0.26								1.0
TPE	HZ	72	167	IAML		0534	0.070		990	0.7					
AL07AHZ	73	92	EP	D	0534	0.457-0.26									1.0
AL07AHE	73	92	ES		0534	1.022-0.23									1.0
AL07AHZ	73	92	IAML		0534	1.461			3554	0.5					
AL03AHZ	77	12	EP	C	0534	1.249-0.15									1.0
AL03AHN	77	12	ES		0534	2.311-0.18									1.0
AL03AHZ	77	12	IAML		0534	9.682			817	0.4					
LACI	HZ	80	354	EP	C	0534	1.265-0.57								1.0
LACI	HN	80	354	ES		0534	3.000-0.27								1.0
LACI	HZ	80	354	IAML		0534	7.997		523	0.4					
PLSA	EZ	86	191	EP	C	0534	2.957	0.10							1.0
PLSA	EZ	86	191	IAML		0534	2.756		298	0.2					
KBN	HZ	88	112	EP	D	0534	3.290-0.02								1.0
KBN	HN	88	112	ES		0534	5.721-0.22								1.0
KBN	HZ	88	112	IAML		0534	4.308		255	0.6					
PRMT	EZ	89	150	EP		0534	2.900-0.55								1.0
PRMT	EZ	89	150	IAML		0534	1.771		342	0.3					
LSK	HZ	108	142	EP	C	0534	6.479-0.16								1.0
LSK	HE	108	142	ES		0534	2.385	0.42							1.0
LSK	HZ	108	142	IAML		0534	1.803		468	0.6					
SRN	HZ	117	172	EP	D	0534	8.108	0.21							1.0
SRN	HN	117	172	ES		0534	4.426	0.18							1.0
SRN	HZ	117	172	IAML		0534	8.412		473	0.4					
NEST	HZ	118	118	EP	C	0534	8.159-0.06								1.0
NEST	HN	118	118	ES		0534	5.348	0.52							1.0
NEST	HZ	118	118	IAML		0534	0.151		266	0.4					
PUK	HZ	124	3	EP		0534	9.020-0.14								1.0
PUK	HE	124	3	ES		0534	7.041	0.51							1.0
PUK	HZ	124	3	IAML		0534	1.506		351	0.5					

PENT	HZ	175	17	EP	0612	2.404	0.30			0.9
PENT	HN	175	17	ES	0612	5.278	0.03			0.9
PLSA	EZ	181	335	EP	0612	2.841	-0.01			0.9
PLSA	EZ	181	335	ES	0612	6.585	-0.01			0.9
PLSA	EZ	181	335	IAML	0612	0.212		105	0.5	
TPE	HZ	183	346	EP	0612	3.302	0.21			0.9
TPE	HN	183	346	ES	0612	6.912	-0.12			0.9
TPE	HZ	183	346	IAML	0612	1.203		274	0.7	
NEST	HZ	196	13	EP	0612	4.843	-0.00			0.9
NEST	HN	196	13	ES	0612	0.115	-0.09			0.9
NEST	HZ	196	13	IAML	0612	6.898		163	0.6	
ITM	HZ	208	144	EP	0612	6.411	0.14			0.9
ITM	HE	208	144	ES	0612	3.269	0.48			0.9
KZN	HZ	208	30	EP	0612	6.912	0.53			0.9
KZN	HN	208	30	ES	0612	2.960	-0.04			0.9
KBN	HZ	215	6	EP	0612	7.420	0.14			0.9
KBN	HE	215	6	ES	0612	4.603	-0.01			0.9
KBN	HZ	215	6	IAML	0612	2.291		147	0.7	
VLO	HZ	216	336	EP	0612	7.427	0.12			0.9
VLO	HN	216	336	ES	0612	4.697	0.03			0.9
MOGL	EZ	224	357	ES	0612	5.956	-0.52			0.9
AL05AHZ		224	357	IAML	0613	5.648		85	1.1	
MOGL	EZ	224	357	EP	0612	8.912	0.61			0.9
MOGL	EZ	224	357	IAML	0613	5.083		65	0.3	
AL05AHZ		224	357	EP	0612	8.331	0.02			0.9
AL05AHN		224	357	ES	0612	6.274	-0.21			0.9
BERA	HZ	229	348	EP	0612	9.293	0.40			0.9
BERA	HN	229	348	ES	0612	7.357	-0.17			0.9
BERA	HZ	229	348	IAML	0613	9.124		127	0.8	
SCTE	HZ	235	311	EP	0612	9.398	-0.28			0.9
AL07AHZ		245	3	EP	0612	1.374	0.27			0.9
BELS	EZ	258	348	EP	0612	3.051	0.33			0.9
BELS	EN	258	348	ES	0612	4.089	-0.37			0.9
BELS	EZ	258	348	IAML	0613	5.599		60	0.7	
AL08AHZ		270	352	EP	0612	4.536	0.29			0.9
FUST	EZ	292	358	EP	0612	7.326	0.12			0.8
FUST	EN	292	358	ES	0613	2.184	-0.39			0.8
DRSH	EZ	300	344	EP	0612	8.358	0.31			0.8
TIR	HZ	300	349	EP	0612	8.422	0.35			0.8
PLG	HZ	312	52	EP	0612	9.469	-0.18			0.8
PLG	HE	312	52	ES	0613	6.128	-0.87			0.8
BURR	EZ	326	352	IAML	0613	8.352		45	1.6	
AL03AHZ		326	352	EP	0612	1.463	0.05			0.8
BURR	EZ	326	352	EP	0612	1.386	-0.02			0.8
LACI	HZ	334	348	EP	0612	2.212	-0.20			0.8
LACI	HZ	334	348	IAML	0613	0.014		61	0.8	
KKS	HZ	375	358	EP	0612	7.905	0.15			0.8
KKS	HZ	375	358	IAML	0613	6.520		37	0.8	
PUK	HZ	376	352	EP	0612	7.620	-0.25			0.8
PUK	HZ	376	352	IAML	0613	9.497		19	0.7	
PRZK	HZ	391	3	EP	0612	9.936	0.15			0.7
PRZK	HZ	391	3	IAML	0613	2.414		26	0.6	
BCI	HZ	410	355	EP	0612	2.414	0.25			0.7
BCI	HZ	410	355	IAML	0613	3.156		42	0.5	
NVR	HZ	410	43	EP	0612	2.615	0.46			0.7
RZM	EZ	414	349	EP	0612	1.966	-0.84			0.7
PDG	HZ	429	346	EP	0612	3.785	-0.74			0.7
PDG	HZ	429	346	IAML	0613	0.588		22	1.1	
PVY	HZ	436	354	EP	0612	5.699	0.08			0.7
PEJK	HZ	439	357	EP	0612	5.803	-0.16			0.7
PEJK	HZ	439	357	IAML	0613	6.487		23	0.7	
BOSS	SZ	453	20	EP	0612	8.059	0.34			0.7
BARS	BZ	471	13	EP	0612	9.068	-0.86			0.7
NKME	HZ	472	344	EP	0612	0.175	0.05			0.7

NKME HZ 472 344 IAML 0613 8.544 24 0.7

September 17 2024 Hour: 2:52 32.2 Lat: 41.61N Lon: 19.51E D: 14.4 Ag: TIR Local
Magnitudes: 2.7ML TIR 3.0MW TIR Rms: 0.4 secs

17 km W of Lac

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SELS	SZ			IP	A	0253	8.700								
GE03	EZ			IP	A	0252	5.260								
LACI	HZ	18	79	EP	C	0252	6.361	0.09							1.0
LACI	HE	18	79	ES		0252	9.739	0.20							1.0
LACI	HZ	18	79	IAML		0252	2.212			333	0.1				
AL02AHZ		24	203	EP	D	0252	7.921	0.81							1.0
AL02AHE		24	203	ES		0252	1.146	0.09							1.0
AL02AHZ		24	203	IAML		0252	5.185			1449	0.3				
DRSH	EZ	36	178	EP	D	0252	9.907	0.87							1.0
DRSH	EN	36	178	ES		0252	5.370	0.81							1.0
DRSH	EZ	36	178	IAML		0252	9.153			339	0.3				
TIR	HZ	41	134	EP	C	0252	9.370	-0.55							1.0
TIR	HE	41	134	ES		0252	6.090	-0.06							1.0
TIR	HZ	41	134	IAML		0252	7.151			104	0.2				
AL03AHZ		41	91	EP	C	0252	9.937	0.00							1.0
AL03AHN		41	91	ES		0252	6.341	0.17							1.0
AL03AHZ		41	91	IAML		0252	9.072			304	0.1				
BURR	EZ	42	91	EP	C	0252	9.880	-0.06							1.0
BURR	EN	42	91	ES		0252	6.553	0.36							1.0
BURR	EZ	42	91	IAML		0252	0.444			207	0.4				
PUK	HZ	58	33	EP	D	0252	2.781	0.07							1.0
PUK	HZ	58	33	IAML		0252	4.873			139	0.4				
AL04AHZ		67	176	EP		0252	4.488	0.41							1.0
AL04AHZ		67	176	IAML		0253	2.743			251	0.2				
AL08AHZ		75	138	EP		0252	5.231	-0.19							1.0
AL08AHE		75	138	ES		0252	5.847	-0.26							1.0
PHP	HZ	78	83	EP		0252	5.864	-0.18							1.0
PHP	HE	78	83	ES		0252	7.358	0.12							1.0
PHP	HZ	78	83	IAML		0253	3.726			100	0.4				
BELS	EZ	78	154	EP		0252	6.021	0.00							1.0
BELS	EN	78	154	ES		0252	7.635	0.44							1.0
BELS	EZ	78	154	IAML		0253	2.786			366	0.2				
RZM	EZ	82	2	EP	C	0252	6.481	-0.26							1.0
RZM	EN	82	2	ES		0252	8.755	0.25							1.0
RZM	EZ	82	2	IAML		0253	3.215			68	0.2				
KKS	HZ	91	55	EP		0252	7.504	-0.58							1.0
KKS	HZ	91	55	IAML		0253	3.437			86	0.3				
PDG	HZ	94	348	EP	C	0252	8.225	-0.35							1.0
PDG	HN	94	348	ES		0253	2.258	0.45							1.0
PDG	HZ	94	348	IAML		0253	5.801			77	0.2				
BCI	HZ	96	29	EP	C	0252	8.615	-0.43							1.0
BCI	HE	96	29	ES		0253	2.969	0.29							1.0
BCI	HZ	96	29	IAML		0253	3.647			121	0.4				
BERA	HZ	106	160	EP	C	0252	0.645	-0.03							1.0
BERA	HN	106	160	ES		0253	5.123	-0.50							1.0
BERA	HZ	106	160	IAML		0253	7.856			111	0.2				
PVY	HZ	116	19	EP	D	0252	1.847	-0.51							1.0
PVY	HZ	116	19	IAML		0253	5.220			141	0.3				
PRZK	HZ	124	57	EP	C	0252	3.023	-0.58							1.0
MOGL	EZ	125	143	EP		0252	3.107	-0.63							1.0
MOGL	EZ	125	143	IAML		0253	5.001			37	0.5				
AL05AHZ		125	143	EP		0252	2.977	-0.76							1.0
AL05AHZ		125	143	IAML		0253	6.574			63	0.4				
ME05AHZ		126	319	EP		0252	3.626	-0.28							1.0
ME05AHN		126	319	ES		0253	0.787	-0.68							1.0
ME05AHZ		126	319	IAML		0253	5.178			368	0.4				
PEJK	HZ	132	29	EP		0252	4.096	-0.84							1.0
PEJK	HZ	132	29	IAML		0253	8.520			87	0.3				

TPE	HZ	207	327	IAML		2151	2.180		452	0.9				
PLSA	EZ	217	317	EP		2151	4.620-0.42							0.9
PLSA	EZ	217	317	IAML		2151	3.380		150	0.4				
AL05AHZ		233	340	EP		2151	8.087 0.95							0.9
MOGL	EZ	233	340	EP		2151	7.474 0.34							0.9
MOGL	EZ	233	340	IAML		2152	9.949		139	0.9				
AL05AHZ		233	340	IAML		2152	9.896		222	1.0				
AL07AHN		247	347	ES		2151	1.017-0.07							0.9
AL07AHZ		247	347	IAML		2152	3.560		1139	0.8				
BERA	HZ	249	332	EP	D	2151	8.952-0.24							0.9
BERA	HZ	249	332	IAML		2152	6.152		186	0.8				
THE	HZ	252	33	EP	C	2151	9.080-0.40							0.9
THE	HZ	252	33	IAML		2152	0.852		52	0.5				
PLG	HZ	256	44	EP	C	2151	9.545-0.50							0.9
BELS	EZ	276	334	EP	D	2151	2.583-0.08							0.8
BELS	EZ	276	334	IAML		2152	9.308		589	0.8				
AL08AHZ		283	338	EP		2151	3.916 0.37							0.8
AL08AHZ		283	338	IAML		2152	0.850		244	1.1				
AL04AHZ		294	329	EP		2151	5.675 0.72							0.8
AL04AHZ		294	329	IAML		2152	3.575		248	0.7				
FUST	EZ	298	345	EP	D	2151	6.386 0.81							0.8
FUST	EZ	298	345	IAML		2152	5.183		28	0.7				
TIR	HZ	316	337	EP	C	2151	7.981 0.26							0.8
TIR	HZ	316	337	IAML		2152	0.189		52	1.6				
DRSH	EZ	322	332	EP	D	2151	8.815 0.28							0.8
DRSH	EZ	322	332	IAML		2152	5.448		143	1.3				
PHP	HZ	336	347	EP	C	2151	9.851-0.49							0.8
PHP	HZ	336	347	IAML		2152	9.717		116	0.8				
AL03AHZ		338	341	IAML		2152	1.983		166	0.7				
BURR	EZ	338	341	EP		2151	0.110-0.42							0.8
BURR	EZ	338	341	IAML		2152	4.062		73	0.6				
AL03AHZ		338	341	EP		2151	0.282-0.25							0.8
LACI	HZ	350	337	EP	C	2151	1.290-0.82							0.8
LACI	HZ	350	337	IAML		2152	5.685		71	1.4				
NVR	HZ	361	36	EP	C	2151	3.379-0.13							0.8
KKS	HZ	379	348	EP	C	2151	5.546-0.25							0.8
KKS	HZ	379	348	IAML		2152	0.123		67	1.1				
PUK	HZ	387	342	EP	C	2151	6.143-0.77							0.8
PUK	HZ	387	342	IAML		2152	8.456		34	0.8				
PRZK	HZ	389	353	EP	C	2151	6.580-0.52							0.7
PRZK	HZ	389	353	IAML		2152	6.345		43	0.8				
BCI	HZ	417	345	EP	D	2151	0.409-0.31							0.7
BCI	HZ	417	345	IAML		2152	5.860		76	0.7				
BOSS	SZ	428	12	EP		2151	1.963-0.18							0.7
GMRK	HZ	435	359	EP		2151	2.368-0.77							0.7
GMRK	HZ	435	359	IAML		2153	2.127		28	1.7				
PVY	HZ	444	345	EP	C	2151	3.877-0.38							0.7
BARS	BZ	455	5	EP		2151	4.643-0.86							0.7
ME02AHZ		525	340	IAML		2153	1.635		37	2.0				

September 18 2024 Hour: 5:32 56.5 Lat: 38.49N Lon: 20.56E D: 5.9 Ag: TIR Local
Magnitudes: 2.5ML TIR 3.2MW TIR Rms: 0.2 secs
134 km S of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VLS	HZ	34	175	EP		0533	2.496-0.25								1.0
VLS	HE	34	175	ES		0533	7.526-0.28								1.0
KEK	HZ	151	334	EP		0533	3.014 0.25								1.0
KEK	HE	151	334	ES		0533	4.011-0.02								1.0
KEK	HZ	151	334	IAML		0533	7.769		36	0.3					
SRN	HZ	162	343	EP		0533	4.579 0.03								0.9
SRN	HN	162	343	ES		0533	7.284 0.01								0.9
SRN	HZ	162	343	IAML		0534	4.253		17	0.8					
THL	HZ	174	46	EP		0533	6.674 0.15								0.9
THL	HN	174	46	ES		0533	0.730-0.10								0.9

LSK	HZ	185	1	EP		0533	8.281	0.10									0.9
LSK	HE	185	1	ES		0533	3.654	-0.18									0.9
LSK	HZ	185	1	IAML		0533	9.519			35	0.5						
ITM	HZ	188	140	EP		0533	9.000	0.41									0.9
ITM	HE	188	140	ES		0533	4.719	0.14									0.9
PENT	HZ	196	15	EP		0533	9.928	0.25									0.9
PENT	HN	196	15	ES		0533	6.132	-0.41									0.9
PLSA	EZ	203	337	EP		0533	0.596	0.13									0.9
PLSA	EN	203	337	ES		0533	7.892	-0.08									0.9
TPE	HZ	206	347	EP		0533	0.885	0.05									0.9
TPE	HE	206	347	ES		0533	8.562	-0.08									0.9
TPE	HZ	206	347	IAML		0534	4.191			19	0.4						
NEST	HZ	218	11	EP		0533	2.494	0.01									0.9
NEST	HE	218	11	ES		0534	1.435	-0.19									0.9
NEST	HZ	218	11	IAML		0534	9.024			14							
BERA	HZ	252	348	EP		0533	6.742	0.10									0.9
BERA	HN	252	348	ES		0534	9.178	0.03									0.9
BERA	HZ	252	348	IAML		0534	8.789			12	0.2						

September 19 2024 Hour: 2:39 45.1 Lat: 40.38N Lon: 21.24E D: 15.0F Ag: TIR Local
Magnitudes: 2.7ML TIR 3.7MW TIR Rms: 0.8 secs
34 km SE of Bilisht

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KKS	HZ	201	340	IP	4A	0240	3.040	35.3							0.0
PUK	HZ	217	329	IP	4A	0240	3.760	-6.05							0.0
BCI	HZ	242	337	IP	0A	0240	1.850	-1.12							1.0
NVR	HZ	246	63	IP	0A	0240	3.580	-0.00							1.0
PEJK	HZ	264	343	IP	0A	0240	6.110	0.23							1.0
PVY	HZ	269	337	IP	0A	0240	7.280	0.78							1.0
PDG	HZ	282	325	IP	0A	0240	7.248	-0.77							1.0
ME05AHZ	325	316	IP	4A	0240	5.460	-8.11								0.0
NKME	HZ	327	325	IP	0A	0240	4.930	1.04							0.9
NKME	HZ	327	325	IAML	A	0241	1.067			10	1.9				
ME02AHZ	355	331	IP	4A	0240	3.180	5.53								0.0

September 23 2024 Hour: 9:16 16.5 Lat: 40.62N Lon: 20.28E D: 39.5 Ag: TIR Local
Magnitudes: 2.7ML TIR 3.3MW TIR Rms: 0.3 secs
12 km N of Corovode

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GE03	EZ			IP	A	0916	2.020								
SELS	SZ			IP	A	0916	5.450								
MOGL	EZ	14	44	EP	C	0916	3.804	0.31							1.0
MOGL	EZ	14	44	IAML		0916	9.579			491	0.1				
AL05AHN	14	44	ES			0916	9.063	-0.15							1.0
MOGL	EN	14	44	ES		0916	8.930	-0.27							1.0
AL05AHZ	14	44	EP		C	0916	3.759	0.26							1.0
TPE	HZ	42	212	EP		0916	5.612	-0.45							1.0
TPE	HE	42	212	ES		0916	2.926	-0.93							1.0
TPE	HZ	42	212	IAML		0916	3.390			309	0.2				
PRMT	EZ	44	172	EP	D	0916	6.262	0.02							1.0
PRMT	EZ	44	172	ES		0916	3.784	-0.39							1.0
PRMT	EZ	44	172	IAML		0916	4.598			290	0.3				
AL07AHZ	46	47	EP			0916	7.035	0.39							1.0
BELS	EZ	50	322	EP	D	0916	7.102	0.05							1.0
BELS	EZ	50	322	ES		0916	5.344	-0.29							1.0
BELS	EZ	50	322	IAML		0916	6.491			290	0.4				
AL08AHZ	56	345	EP			0916	8.015	0.13							1.0
AL08AHN	56	345	ES			0916	7.291	0.16							1.0
AL08AHZ	56	345	IAML			0916	3.091			214	0.2				
BPA2	HZ	57	283	EP		0916	8.110	0.14							1.0
BPA2	HN	57	283	ES		0916	7.504	0.21							1.0
LSK	HZ	59	152	EP		0916	8.485	0.21							1.0
VLO	HZ	68	256	EP		0916	9.703	0.18							1.0
VLO	HN	68	256	ES		0916	0.332	0.22							1.0

AL04AHZ	74	306	EP	0916	0.419	0.01									1.0
AL04AHN	74	306	ES	0916	1.761	0.05									1.0
AL04AHZ	74	306	IAML	0916	7.271		178	0.8							
PLSA EZ	75	228	EP	0916	0.882	0.40									1.0
PLSA EZ	75	228	ES	0916	1.811	-0.03									1.0
PLSA EZ	75	228	IAML	0916	5.785		104	0.3							
FUST EZ	79	7	EP	0916	1.308	0.10									1.0
FUST EZ	79	7	ES	0916	3.042	-0.12									1.0
SRN HZ	85	196	EP	0916	1.841	0.04									1.0
SRN HN	85	196	ES	0916	4.205	-0.02									1.0
SRN HZ	85	196	IAML	0916	0.208		100	0.4							
PENT HZ	87	122	EP	0916	3.150	1.01									1.0
PENT HN	87	122	ES	0916	4.873	0.02									1.0
TIR HZ	88	337	EP	0916	2.438	0.20									1.0
TIR HN	88	337	ES	0916	4.938	-0.08									1.0
TIR HZ	88	337	IAML	0916	7.289		45	0.3							
DRSH EZ	98	319	EP	0916	3.361	-0.04									1.0
DRSH EN	98	319	ES	0916	7.036	-0.10									1.0
DRSH EZ	98	319	IAML	0916	3.748		89	0.2							
KEK HZ	108	202	EP	0916	4.745	-0.06									1.0
KEK HN	108	202	ES	0916	9.679	0.01									1.0
KEK HZ	108	202	IAML	0916	1.930		121	0.4							
AL03AHZ	112	348	IAML	0916	0.894		61	0.3							
BURR EZ	112	348	EP	0916	5.206	-0.06									1.0
BURR EZ	112	348	ES	0916	0.182	-0.32									1.0
AL03AHZ	112	348	EP	0916	6.007	0.74									1.0
AL03AHN	112	348	ES	0916	0.430	-0.08									1.0
BURR EZ	112	348	IAML	0916	5.039		57	0.3							
PHP HZ	119	7	EP	0916	5.539	-0.75									1.0
PHP HZ	119	7	IAML	0916	1.924		53	0.2							
PHP HN	119	7	ES	0916	1.992	-0.36									1.0
LACI HZ	123	338	EP	0916	6.820	0.20									1.0
KZN HZ	131	105	EP	0916	7.994	0.17									1.0
KZN HN	131	105	ES	0916	4.854	-0.29									1.0
PUK HZ	162	349	EP	0916	2.170	0.44									0.9
PUK HZ	162	349	IAML	0916	6.905		31	0.6							
PUK HN	162	349	ES	0917	1.706	-0.49									0.9
KKS HZ	162	4	EP	0916	1.689	-0.03									0.9
KKS HN	162	4	ES	0917	2.000	-0.19									0.9
KKS HZ	162	4	IAML	0917	8.717		41	0.2							
PRZK HZ	182	13	EP	0916	4.341	0.08									0.9
THL HZ	189	128	EP	0916	4.418	-0.66									0.9
BCI HZ	195	355	EP	0916	6.114	0.14									0.9
BCI HZ	195	355	IAML	0917	5.529		37	0.5							
RZM EZ	202	343	EP	0916	6.797	-0.08									0.9
LKD2 HZ	205	171	EP	0916	7.442	0.15									0.9
PVY HZ	221	353	EP	0916	9.548	0.12									0.9

September 23 2024 Hour: 9:16 30.8 Lat: 40.57N Lon: 20.21E D: 13.2 Ag: TIR Local
Magnitudes: 3.1ML TIR 3.2MW TIR Rms: 0.6 secs
7 km N of Corovode

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GE03	EZ			IP	A	0916	2.020								
SELS	SZ			IP	A	0916	5.450								
MOGL	EZ	21	45	EP		0916	5.450	0.21							1.0
MOGL	EN	21	45	ES		0916	8.795	-0.04							1.0
MOGL	EZ	21	45	IAML		0916	0.515		1354	0.3					
AL05AHZ	21	45	EP			0916	5.392	0.15							1.0
AL05AHE	21	45	ES			0916	9.556	0.71							1.0
BERA	HZ	27	303	EP		0916	6.145	0.09							1.0
BERA	HN	27	303	ES		0916	9.862	-0.45							1.0
BERA	HZ	27	303	IAML		0916	0.344		2155	0.3					
TPE	HZ	35	209	EP		0916	7.226	-0.19							1.0
TPE	HE	35	209	ES		0916	2.467	-0.30							1.0

TPE	HZ	35	209	IAML	0916	7.097			932	0.2				
PRMT	EZ	40	163	EP	0916	7.192-1.01								1.0
PRMT	EN	40	163	ES	0916	4.036-0.16								1.0
PRMT	EZ	40	163	IAML	0916	5.469			638	0.3				
AL07AHZ		54	47	EP	0916	0.843 0.35								1.0
AL04AHZ		73	311	EP	0916	3.975 0.25								1.0
AL04AHE		73	311	ES	0916	4.481 0.28								1.0
AL04AHZ		73	311	IAML	0917	6.519			423	0.5				
SRN	HZ	79	193	EP	0916	4.888 0.22								1.0
SRN	HN	79	193	ES	0916	5.923 0.02								1.0
SRN	HZ	79	193	IAML	0916	9.915			222	0.4				
PENT	HZ	89	118	EP	0916	5.919-0.48								1.0
PENT	HN	89	118	ES	0916	9.447 0.41								1.0
TIR	HZ	91	341	EP	0916	7.045 0.36								1.0
TIR	HE	91	341	ES	0916	9.543-0.02								1.0
DRSH	EZ	98	324	EP	0916	7.431-0.42								1.0
DRSH	EN	98	324	ES	0917	2.029 0.37								1.0
DRSH	EZ	98	324	IAML	0917	5.809			191	0.6				
KEK	HZ	102	200	EP	0916	8.587 0.11								1.0
KEK	HZ	102	200	IAML	0917	2.616			239	0.1				
KEK	HE	102	200	ES	0917	2.910 0.11								1.0
AL03AHZ		116	351	EP	0916	1.170 0.36								1.0
AL02AHZ		116	324	EP	0916	1.075 0.30								1.0
AL02AHN		116	324	ES	0917	7.360 0.41								1.0
AL02AHZ		116	324	IAML	0917	1.253			294	0.4				
LACI	HZ	125	341	EP	0916	2.739 0.34								1.0
LACI	HZ	125	341	IAML	0917	8.674			147	0.7				
PHP	HZ	125	9	EP	0916	1.882-0.51								1.0
PHP	HN	125	9	ES	0917	7.481-2.40								1.0
PHP	HZ	125	9	IAML	0917	9.647			199	0.7				
KZN	HZ	135	102	EP	0916	4.652 0.53								1.0
PUK	HZ	166	351	EP	0916	9.487 0.38								0.9
PUK	HZ	166	351	IAML	0917	1.448			64	0.5				

September 23 2024 Hour: 9:16 53.2 Lat: 40.57N Lon: 20.25E D: 30.3 Ag: TIR Local
Magnitudes: 2.9ML TIR 3.1MW TIR Rms: 0.4 secs

7 km N of Corovode

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GE03	EZ			IP	A	0916	2.020								
SELS	SZ			IP	A	0916	5.450								
MOGL	EZ	19	38	EP		0916	9.532 0.19								1.0
MOGL	EN	19	38	ES		0917	4.571 0.27								1.0
MOGL	EZ	19	38	IAML		0917	5.887			473	0.1				
AL05AHZ		19	38	EP		0916	9.538 0.19								1.0
AL05AHN		19	38	ES		0917	4.635 0.32								1.0
AL05AHZ		19	38	IAML		0917	5.196			903	0.3				
BERA	HZ	30	300	EP		0917	0.142-0.23								1.0
BERA	HN	30	300	ES		0917	5.257-0.92								1.0
TPE	HN	37	214	ES		0917	7.987 0.26								1.0
TPE	HZ	37	214	IAML		0917	4.663			321	0.8				
PRMT	EZ	39	167	EP		0917	1.297-0.23								1.0
PRMT	EN	39	167	ES		0917	7.749-0.51								1.0
PRMT	EZ	39	167	IAML		0917	0.040			404	0.4				
BELS	EZ	53	327	EP		0917	3.449-0.07								1.0
BELS	EN	53	327	ES		0917	1.706-0.17								1.0
BELS	EZ	53	327	IAML		0917	2.646			345	0.4				
VLO2	EN	57	259	ES		0917	3.911 0.89								1.0

September 24 2024 Hour: 19: 6 43.1 Lat: 42.61N Lon: 19.83E D: 3.4 Ag: TIR Local
 Magnitudes: 2.8ML TIR 3.2MW TIR Rms: 0.5 secs
 34 km NW of Bajram_Curri

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SELS	SZ			IP	A	1907	4.900								
PVY	HZ	11	98	EP	C	1906	5.664	0.51							1.0
PVY	HE	11	98	ES		1906	7.593	0.76							1.0
PVY	HZ	11	98	IAML		1906	8.745		4956	0.3					
ME01AHZ		27	9	EP	C	1906	8.488	0.58							1.0
ME01AHN		27	9	ES		1906	2.141	0.31							1.0
ME01AHZ		27	9	IAML		1906	5.023		2077	0.5					
BCI	HZ	33	144	EP	C	1906	9.100	0.07							1.0
BCI	HN	33	144	ES		1906	3.973	0.12							1.0
BCI	HZ	33	144	IAML		1906	5.578		1033	0.2					
PEJK	HZ	37	84	EP	C	1906	9.872	0.15							1.0
PEJK	HN	37	84	ES		1906	4.992	-0.11							1.0
PEJK	HZ	37	84	IAML		1906	7.010		1026	0.3					
RZM	EZ	37	219	EP	C	1906	9.200	-0.55							1.0
RZM	EN	37	219	ES		1906	5.153	-0.01							1.0
RZM	EZ	37	219	IAML		1906	5.730		974	0.3					
PDG	HZ	51	247	EP	C	1906	1.217	-0.95							1.0
PDG	HE	51	247	ES		1906	8.811	-0.72							1.0
PDG	HZ	51	247	IAML		1907	1.045		819	0.7					
NKME	HZ	74	284	EP		1906	6.368	0.06							1.0
NKME	HZ	74	284	IAML	A	1907	0.854		177	0.7					
KKS	HZ	76	141	EP		1906	6.643	0.02							1.0
KKS	HN	76	141	ES		1907	7.122	-0.48							1.0
KKS	HZ	76	141	IAML		1907	1.256		143	0.6					
ME02AHZ		84	317	EP	C	1906	7.617	-0.48							1.0
ME02AHE		84	317	ES		1907	0.289	0.02							1.0
ME02AHZ		84	317	IAML		1907	5.038		108	0.8					
PRZK	HZ	88	120	EP		1906	8.720	-0.12							1.0
PRZK	HZ	88	120	IAML		1907	7.413		73	0.3					
LACI	HZ	108	185	EP		1907	1.813	-0.50							1.0
LACI	HE	108	185	ES		1907	7.810	-0.08							1.0
LACI	HZ	108	185	IAML		1907	1.152		128	0.5					
ME05AHZ		110	262	EP		1907	2.385	-0.18							1.0
ME05AHE		110	262	ES		1907	9.260	0.91							1.0
ME05AHZ		110	262	IAML		1907	6.032		292	0.4					
AL03AHZ		113	173	EP		1907	3.035	-0.03							1.0
BURR	EZ	113	173	EP		1907	2.918	-0.15							1.0
BURR	EZ	113	173	IAML		1907	4.509		62	0.4					
AL03AHE		113	173	ES		1907	9.464	0.20							1.0
AL03AHZ		113	173	IAML		1907	4.509		113	0.4					
GMRK	HZ	114	87	EP	D	1907	2.720	-0.63							1.0
GMRK	HN	114	87	ES		1907	9.286	-0.49							1.0
GMRK	HZ	114	87	IAML		1907	2.789		106	1.0					
PHP	HZ	114	154	EP		1907	2.536	-0.82							1.0
PHP	HN	114	154	ES		1907	9.869	0.09							1.0
PHP	HZ	114	154	IAML		1907	5.591		61	0.7					
AL02AHZ		138	195	EP		1907	7.445	0.19							1.0
AL02AHZ		138	195	IAML		1907	3.743		175	0.6					
TIR	HZ	140	179	EP		1907	7.504	-0.10							1.0
TIR	HZ	140	179	IAML		1907	9.030		49	0.5					
FUST	EZ	150	162	EP		1907	9.407	0.07							1.0
FUST	EZ	150	162	IAML		1907	9.022		12	0.4					
DRSH	EZ	150	190	EP		1907	9.635	0.44							1.0
DRSH	EZ	150	190	IAML		1907	1.258		60	0.5					
BARS	BZ	164	81	EP	D	1907	1.355	-0.31							0.9
AL04AHZ		179	187	EP		1907	5.957	1.82							0.9
BELS	EZ	182	178	EP		1907	4.940	0.34							0.9
BELS	EZ	182	178	IAML		1907	7.005		26	2.0					
BERA	HZ	211	177	EP		1907	8.716	0.36							0.9

MOGL	EZ	216	167	EP	1907	9.385	0.34								0.9
BOSS	SZ	216	92	EP	1907	8.009	-1.07								0.9
AL05AHZ		216	167	EP	1907	9.309	0.26								0.9
PRMT	EZ	268	170	EP	1907	6.082	0.47								0.9
PLSA	EZ	272	184	EP	1907	6.465	0.34								0.9
LSK	HZ	280	166	EP	1907	7.709	0.39								0.8
PENT	HZ	289	157	EP	1907	8.725	0.25								0.8
KZN	HZ	303	147	EP	1907	9.431	-0.72								0.8
SRN	HZ	303	177	EP	1907	9.910	-0.21								0.8

September 24 2024 Hour: 22:16 24.1 Lat: 39.84N Lon: 20.03E D: 7.6 Ag: TIR Local
Magnitudes: 2.9ML TIR 3.1MW TIR Rms: 0.5 secs
4 km SE of Sarande

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GE03	EZ			IP	A	2216	1.260								
SELS	SZ			IP	A	2217	4.400								
SRN	HZ	5	330	EP	C	2216	5.790	0.08							1.0
SRN	HN	5	330	ES		2216	6.977	-0.06							1.0
SRN	HZ	5	330	IAML		2216	8.136		4641	0.3					
KEK	HZ	24	234	EP	D	2216	8.719	0.06							1.0
KEK	HN	24	234	ES		2216	2.371	0.01							1.0
KEK	HZ	24	234	IAML		2216	4.162		2452	0.5					
PLSA	EZ	50	316	EP	C	2216	2.847	-0.28							1.0
PLSA	EZ	50	316	IAML		2216	7.833		263	0.3					
TPE	HZ	50	359	EP	C	2216	2.696	-0.49							1.0
TPE	HN	50	359	ES		2216	0.691	0.12							1.0
TPE	HZ	50	359	IAML		2216	8.139		375	0.6					
PRMT	EZ	51	32	EP	D	2216	2.837	-0.47							1.0
PRMT	EZ	51	32	IAML		2216	1.797		305	0.3					
LSK	HZ	59	55	EP	D	2216	4.079	-0.72							1.0
LSK	HE	59	55	ES		2216	3.604	0.11							1.0
LSK	HZ	59	55	IAML		2216	5.706		335	0.5					
JAN	HN	73	106	ES		2216	7.808	-0.09							1.0
VLO	HZ	83	327	EP		2216	9.339	0.46							1.0
VLO	HZ	83	327	IAML		2216	7.642		197	0.5					
BERA	HZ	96	356	EP	C	2216	0.838	-0.16							1.0
BERA	HZ	96	356	IAML		2216	9.444		179	0.5					
MOGL	EZ	101	18	EP		2216	1.714	-0.11							1.0
MOGL	EZ	101	18	IAML		2217	4.998		48	0.6					
AL05AHZ		101	18	EP		2216	1.919	0.09							1.0
AL05AHZ		101	18	IAML		2217	4.936		86	0.5					
PENT	HZ	102	67	EP	C	2216	2.033	-0.12							1.0
BELS	EZ	126	355	EP	C	2216	5.907	-0.09							1.0
BELS	EZ	126	355	IAML		2217	2.164		40	0.6					
LKD2	HZ	129	155	EP		2216	6.899	0.42							1.0
LKD2	HN	129	155	ES		2217	5.153	0.52							1.0
AL07AHZ		130	25	EP		2216	7.628	0.94							1.0
AL07AHZ		130	25	IAML		2217	7.079		312	0.6					
SCTE	HZ	136	281	EP		2216	7.646	-0.03							1.0
KZN	HZ	157	70	EP		2216	1.693	0.43							1.0
DRSH	EZ	166	345	EP		2216	3.293	0.68							0.9
TIR	HZ	168	355	EP		2216	4.003	1.01							0.9
FUST	EZ	168	11	EP		2216	3.616	0.59							0.9
FUST	EZ	168	11	IAML		2217	4.177		14	0.8					
THL	HZ	173	100	EP		2216	4.092	0.27							0.9
THL	HN	173	100	ES		2217	8.185	0.27							0.9
VLS	HZ	191	165	EP		2216	5.392	-0.86							0.9
BURR	EZ	196	359	EP		2216	7.434	0.59							0.9
BURR	EZ	196	359	IAML		2217	7.138		22	1.5					
LACI	HZ	201	353	EP		2216	6.617	-0.91							0.9
PHP	HZ	208	9	EP		2216	8.251	-0.18							0.9
PHP	HZ	208	9	IAML		2217	6.321		33	1.0					
KKS	HZ	250	7	EP		2217	3.888	0.08							0.9
PRZK	HZ	270	13	EP		2217	6.546	0.09							0.9

NOCI	HZ	273	294	EP		2217	7.146	0.34									0.8
BCI	HZ	281	1	EP		2217	6.981	-0.77									0.8
BCI	HZ	281	1	IAML		2218	3.073		30	0.9							
PDG	HZ	295	348	EP		2217	9.010	-0.50									0.8
PLG	HZ	297	77	EP		2217	9.014	-0.86									0.8
PVY	HZ	306	359	EP		2217	0.935	-0.17									0.8
PEJK	HZ	312	4	EP		2217	1.387	-0.43									0.8
PEJK	HZ	312	4	IAML		2218	8.667		16	1.0							
ITM	HZ	339	150	EP		2217	4.650	-0.53									0.8

September 28 2024 Hour: 12:18 24.6 Lat: 38.15N Lon: 21.24E D: 15.0F Ag: TIR Local
Magnitudes: 4.4ML TIR 4.4MW TIR Rms: 0.7 secs

191 km SE of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SELS	SZ			IP	0A	1219	1.600								
AL07AHZ		309	351	IP	4A	1219	4.500	23.4							0.0
NVR	HZ	420	32	IP	0A	1219	5.590	0.23							1.0
KKS	HZ	441	351	IP	0A	1219	9.190	1.12							1.0
KKS	HZ	441	351	IAML	A	1220	0.260		120	0.8					
PUK	HZ	447	346	IP	0A	1219	7.940	-0.94							1.0
PUK	HZ	447	346	IAML	A	1220	2.065		112	0.6					
BCI	HZ	479	348	IP	0A	1219	2.630	-0.23							0.9
BCI	HZ	479	348	IAML	A	1220	6.713		257	1.0					
RZM	EZ	488	343	IP	0A	1219	4.180	0.08							0.9
RZM	EZ	488	343	IAML	A	1220	5.442		72	0.7					
BOSS	SZ	494	12	IP	0A	1219	4.050	-0.77							0.9
PDG	HZ	504	341	IP	0A	1219	6.188	0.12							0.9
PDG	HZ	504	341	IAML	A	1220	2.190		95	0.8					
PVY	HZ	505	348	IP	0A	1219	7.220	0.84							0.9
PVY	HZ	505	348	IAML	A	1220	0.586		163	0.6					
NKME	HZ	548	340	IP	0A	1219	1.950	0.37							0.8
NKME	HZ	548	340	IAML	A	1221	2.141		119	1.4					
ME02AHZ		584	343	IP	0A	1219	5.050	-1.07							0.8
ME02AHZ		584	343	IAML	A	1221	8.267		195	0.8					

September 28 2024 Hour: 16:59 40.2 Lat: 38.92N Lon: 21.24E D: 7.7 Ag: TIR Local
Magnitudes: 2.7ML TIR 3.3MW TIR Rms: 0.4 secs

122 km SE of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SELS	SZ			IP	A	1700	2.150								
LKD2	HZ	53	253	EP		1659	0.069	0.35							1.0
LKD2	HN	53	253	ES		1659	7.356	-0.09							1.0
JAN	HN	88	338	ES		1700	8.315	-0.09							1.0
THL	HZ	98	43	EP		1659	7.582	0.24							1.0
THL	HN	98	43	ES		1700	1.463	0.21							1.0
VLS	HZ	101	215	EP		1659	7.170	-0.71							1.0
PENT	HZ	141	356	EP		1700	4.567	-0.15							1.0
PENT	HN	141	356	ES		1700	4.287	-0.31							1.0
LSK	HZ	147	338	EP		1700	5.428	-0.17							1.0
LSK	HE	147	338	ES		1700	6.475	0.27							1.0
LSK	HZ	147	338	IAML		1700	4.156		102	0.7					
SRN	HZ	150	315	EP		1700	6.047	-0.12							1.0
SRN	HZ	150	315	IAML		1700	0.704		30	1.0					
KEK	HZ	152	306	EP		1700	6.343	-0.10							1.0
KEK	HZ	152	306	IAML		1700	2.577		78	0.8					
KZN	HZ	160	16	EP		1700	7.526	-0.29							0.9
KZN	HN	160	16	ES		1700	9.864	-0.34							0.9
PRMT	EZ	164	332	EP		1700	8.710	0.33							0.9
PRMT	EZ	164	332	IAML		1700	6.621		28	0.5					
NEST	HZ	166	354	EP		1700	9.203	0.35							0.9
NEST	HZ	166	354	IAML		1700	6.720		37	0.6					
TPE	HZ	185	326	EP		1700	2.110	0.56							0.9
ITM	HZ	203	163	EP		1700	4.368	0.48							0.9
AL05AHZ		211	340	EP		1700	5.329	0.45							0.9

PLG	HZ	248	49	EP		1700	9.164-0.55										0.9
BELS	EZ	254	334	EP		1700	0.007-0.38										0.9

September 28 2024 Hour: 20:49 31.7 Lat: 41.17N Lon: 20.19E D: 9.3 Ag: TIR Local
Magnitudes: 2.7ML TIR 3.0MW TIR Rms: 0.5 secs
10 km W of Librazhd

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GE03	EZ			IP	0A	2049	4.300								
AL08AHZ		11	224	EP	D	2049	4.193-0.07								1.0
AL08AHN		11	224	ES		2049	5.850-0.49								1.0
AL08AHZ		11	224	IAML		2049	6.281		3049	0.2					
FUST	EZ	24	46	EP	D	2049	7.041 0.65								1.0
FUST	EN	24	46	ES		2049	0.289 0.10								1.0
FUST	EZ	24	46	IAML		2049	2.376		148	0.4					
BELS	EZ	33	226	EP	D	2049	7.652-0.10								1.0
BELS	EE	33	226	ES		2049	2.880 0.23								1.0
BELS	EZ	33	226	IAML		2049	3.583		452	0.4					
TIR	HZ	33	305	EP	C	2049	7.807-0.10								1.0
TIR	HN	33	305	ES		2049	2.925 0.00								1.0
TIR	HZ	33	305	IAML		2049	5.897		305	0.4					
AL03AHZ		50	342	EP	C	2049	0.861 0.07								1.0
BURR	EZ	50	342	EP	C	2049	0.816 0.03								1.0
BURR	EZ	50	342	IAML		2049	8.583		269	0.6					
AL03AHN		50	342	ES		2049	8.222 0.08								1.0
AL03AHZ		50	342	IAML		2049	9.270		391	0.1					
AL07AHZ		51	126	EP		2049	1.219 0.21								1.0
AL07AHN		51	126	ES		2049	8.941 0.39								1.0
AL07AHZ		51	126	IAML		2049	7.473		542	0.5					
AL05AHN		55	162	ES		2049	9.888 0.20								1.0
AL05AHZ		55	162	IAML		2049	2.530		306	0.1					
MOGL	EZ	55	162	EP	C	2049	1.234-0.40								1.0
MOGL	EE	55	162	ES		2049	9.276-0.41								1.0
MOGL	EZ	55	162	IAML		2049	2.526		168	0.1					
BERA	HZ	56	202	EP	D	2049	1.439-0.36								1.0
BERA	HZ	56	202	IAML		2049	0.657		230	0.3					
AL04AHZ		56	251	EP		2049	3.013 1.17								1.0
AL04AHZ		56	251	IAML		2049	9.851		365	0.3					
DRSH	EZ	57	282	EP		2049	3.098 1.02								1.0
DRSH	EZ	57	282	IAML		2050	0.853		198	0.5					
PHP	HZ	60	20	EP	D	2049	2.545-0.08								1.0
PHP	HN	60	20	ES		2049	1.381-0.09								1.0
PHP	HZ	60	20	IAML		2049	4.279		140	0.2					
LACI	HZ	65	323	EP	C	2049	2.506-0.81								1.0
LACI	HZ	65	323	IAML		2049	4.883		390	0.3					
BPA2	HZ	69	224	EP		2049	3.533-0.47								1.0
AL02AHZ		71	292	EP		2049	5.438 1.02								1.0
VLO2	EZ	94	213	EP		2049	7.556-0.56								1.0
VLO2	EZ	94	213	IAML		2050	7.121		65	0.5					
VLO	HZ	98	217	EP		2049	8.948 0.12								1.0
VLO	HZ	98	217	IAML		2050	3.198		123	0.3					
TPE	HZ	99	189	EP		2049	9.173 0.18								1.0
TPE	HZ	99	189	IAML		2050	4.533		67	0.8					
PUK	HZ	100	346	EP	C	2049	8.864-0.31								1.0
PUK	HN	100	346	ES		2050	3.261-0.06								1.0
PUK	HZ	100	346	IAML		2050	5.509		145	0.7					
PRMT	EZ	106	173	IAML		2050	3.348		38	0.4					
NEST	HZ	111	139	EP		2049	1.044-0.07								1.0
NEST	HZ	111	139	IAML		2050	8.890		54	0.4					
LSK	HZ	119	163	EP		2049	2.624 0.23								1.0
LSK	HN	119	163	ES		2050	8.319-0.83								1.0
LSK	HZ	119	163	IAML		2050	1.566		59	0.5					
PLSA	EZ	122	203	EP		2049	3.162 0.32								1.0
PLSA	EZ	122	203	IAML		2050	8.909		20	0.3					
PRZK	HZ	124	22	EP		2049	2.691-0.61								1.0

PRZK	HZ	124	22	IAML	2050	1.459		69	0.2					
BCI	HZ	133	356	EP	2049	4.591-0.09								1.0
BCI	HZ	133	356	IAML	2050	5.315		91	0.3					
PENT	HZ	135	143	EP	2049	5.318 0.23								1.0
RZM	EZ	141	338	EP	2049	4.967-1.07								1.0
RZM	EZ	141	338	IAML	2050	7.132		75	0.4					
SRN	HZ	145	186	EP	2049	6.881 0.26								1.0
SRN	HZ	145	186	IAML	2050	5.410		32	0.4					
PVY	HZ	159	353	IAML	2050	7.943		98	0.4					
PDG	HZ	159	331	EP	2049	8.195-0.89								0.9
PDG	HZ	159	331	IAML	2050	4.096		76	0.5					
PVY	HZ	159	353	EP	2049	8.477-0.61								0.9
PEJK	HZ	163	3	EP	2049	9.415-0.36								0.9
PEJK	HZ	163	3	IAML	2050	7.380		53	0.8					
KZN	HZ	165	125	EP	2050	0.099 0.09								0.9
KEK	HZ	166	192	EP	2050	0.072-0.07								0.9
KEK	HZ	166	192	IAML	2050	8.694		37	0.8					
GMRK	HZ	186	27	EP	2050	3.263 0.19								0.9
ME01AHZ		187	352	EP	2050	3.263-0.00								0.9
SCTE	HZ	190	231	EP	2050	3.450-0.11								0.9
ME05AHZ		200	316	EP	2050	5.046 0.29								0.9
ME05AHZ		200	316	IAML	2050	0.331		76	0.4					
NKME	HZ	204	330	EP	2050	4.952-0.49								0.9
NKME	HZ	204	330	IAML	2050	6.389		35	0.6					
BARS	BZ	227	36	EP	2050	8.914 0.66								0.9
SJES	BZ	233	356	EP	2050	0.073 0.97								0.9
ME02AHZ		237	338	EP	2050	0.582 0.85								0.9
BOSS	SZ	239	51	EP	2050	0.153 0.26								0.9

September 29 2024 Hour: 12: 3 32.3 Lat: 38.31N Lon: 21.44E D: 88.8 Ag: TIR Local
Magnitudes: 2.7ML TIR Rms: 0.4 secs
185 km SE of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SELS	SZ			IP	0A	1203	4.800								
VLS	HZ	76	260	EP		1203	8.710-0.46								1.0
VLS	HN	76	260	ES		1204	2.743-0.09								1.0
LKD2	HZ	87	308	EP		1203	0.409 0.19								1.0
LKD2	HN	87	308	ES		1204	5.046 0.33								1.0
ITM	HZ	132	161	EP		1203	4.856-0.10								1.0
ITM	HN	132	161	ES		1204	3.477 0.18								1.0
THL	HZ	148	19	EP		1203	7.176 0.41								1.0
THL	HN	148	19	ES		1204	6.114-0.46								1.0
KEK	HZ	211	318	EP		1204	3.938-0.34								0.9
KEK	HZ	211	318	IAML		1204	0.376			54	2.0				
LSK	HZ	217	341	EP		1204	4.575-0.50								0.9
LSK	HZ	217	341	IAML		1204	8.824			21	4.3				
PRMT	EZ	233	337	EP		1204	7.541 0.61								0.9
PRMT	EZ	233	337	IAML		1205	5.957			9	3.4				
NEST	HZ	237	352	EP		1204	7.689 0.26								0.9