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# Monthly Bulletin of Seismology

from the

## Albanian Seismic Network (ASN)

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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).

All available amplitude values are used for the magnitude assessment. 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.

#### 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	40.7100N	19.9500E	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

#### REGIONAL STATIONS

THE	40.6319N	22.9628E	132	Thessaloniki, Greece
NEST	40.4147N	21.0489E	1056	Nestorio, Greece
FNA	40.7817N	21.3836E	806	Florina, Greece
IGT	39.5315N	20.3299E	262	Igoumenitsa, Greece
LKD2	38.7889N	20.6578E	485	Lefkada, Greece
PDG	42.4297N	19.2608E	40	Podgorica, Montenegro

#### 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 ( $0.5 * (\text{peak to peak})$ ), (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 2023 Hour: 10:14 0.4 Lat: 40.15N Lon: 19.80E D: 7.2 Ag: TIR Local  
 Magnitudes: 2.7ML TIR Rms: 0.3 secs  
 7 km NE of Himare

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
AL06AHZ		8	207	EP		1014	2.285	-0.12							1.0
AL06AHE		8	207	ES		1014	3.769	-0.24							1.0
TPE	HZ	24	49	EP		1014	4.876	0.00							1.0
TPE	HN	24	49	ES		1014	8.515	0.03							1.0
TPE	HZ	24	49	IAML		1014	1.962		605	0.4					1.0
SRN	HZ	35	151	EP		1014	6.581	-0.20							1.0
SRN	HN	35	151	ES		1014	1.993	0.05							1.0
SRN	HZ	35	151	IAML		1014	3.240		455	0.3					1.0
VLO	HZ	44	323	EP		1014	8.738	0.44							1.0
VLO	HE	44	323	ES		1014	4.880	0.19							1.0
VLO	HZ	44	323	IAML		1014	0.950		693	0.5					1.0
KEK	HZ	49	180	EP		1014	9.136	-0.15							1.0
KEK	HN	49	180	ES		1014	6.694	0.22							1.0
KEK	HZ	49	180	IAML		1014	9.499		258	0.5					1.0
BERA	HZ	62	11	EP		1014	6.838	-4.74							0.0
BERA	HN	62	11	ES		1014	0.310	-0.30							1.0
BERA	HZ	62	11	IAML		1014	7.269		187	0.2					1.0
AL05AHZ		79	39	EP		1014	4.302	-0.25							1.0
AL05AHE		79	39	ES		1014	6.045	0.04							1.0
IGT	HZ	83	147	EP		1014	4.910	-0.26							1.0
IGT	HE	83	147	ES		1014	6.811	-0.30							1.0
IGT	HZ	83	147	IAML		1014	4.610		84	0.2					1.0
JAN	HE	105	121	ES		1014	3.521	-0.45							1.0
AL08AHZ		108	13	EP		1014	9.814	0.35							1.0
NEST	HZ	110	74	EP		1014	0.168	0.43							1.0
NEST	HN	110	74	ES		1014	5.796	0.41							1.0
NEST	HZ	110	74	IAML		1014	8.269		38	0.4					1.0
SCTE	HZ	114	266	EP		1014	0.946	0.53							1.0
SCTE	HE	114	266	ES		1014	6.478	-0.14							1.0
AL03AHZ		162	6	EP		1014	8.184	-0.13							0.9
LACI	HN	165	358	ES		1014	1.075	-0.75							0.9
LACI	HZ	165	358	IAML		1015	0.030		19	0.4					0.9
KZN	HZ	168	84	EP		1014	9.511	0.03							0.9
KZN	HN	168	84	ES		1014	3.361	0.34							0.9
LKD2	HZ	169	154	EP		1014	9.961	0.46							0.9
PHP	HZ	178	17	EP		1014	0.492	-0.56							0.9
PHP	HZ	178	17	IAML		1015	1.338		28	0.6					0.9
THL	HZ	200	108	EP		1014	3.833	0.02							0.9
SDA	HZ	212	353	EP		1014	5.266	-0.04							0.9
KKS	HZ	219	13	EP		1014	6.269	0.04							0.9
VLS	HZ	230	163	EP		1014	7.774	0.13							0.9
PVY	HZ	271	3	EP		1014	3.287	0.22							0.9

September 2 2023 Hour: 4:26 40.0 Lat: 40.23N Lon: 20.65E D: 3.9 Ag: TIR Local  
 Magnitudes: 2.5ML TIR Rms: 0.4 secs  
 15 km SW of Erseke

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
NEST	HZ	40	59	EP		0426	7.472	0.24							1.0
NEST	HN	40	59	ES		0426	3.225	0.17							1.0
NEST	HZ	40	59	IAML		0426	6.720		253	0.2					1.0
TPE	HZ	54	278	EP		0426	9.419	-0.33							1.0
TPE	HN	54	278	ES		0426	7.525	-0.08							1.0
TPE	HZ	54	278	IAML		0427	0.058		245	0.7					1.0
AL05AHZ		57	338	EP		0426	0.243	-0.03							1.0
AL05AHN		57	338	ES		0426	8.622	0.06							1.0
SRN	HZ	67	235	EP		0426	1.906	-0.19							1.0
SRN	HN	67	235	ES		0427	1.534	-0.33							1.0
SRN	HZ	67	235	IAML		0427	9.265		53	0.4					1.0
AL07AHN		75	2	ES		0427	3.919	-0.26							1.0

AL06AHZ	77	259	EP	0426	3.556	-0.31									1.0
AL06AHN	77	259	ES	0427	5.184	0.13									1.0
BERA HZ	79	312	EP	0426	3.335	-0.86									1.0
BERA HE	79	312	ES	0427	5.961	0.31									1.0
BERA HZ	79	312	IAML	0427	1.531				100	0.4					
IGT HZ	82	199	EP	0426	5.072	0.39									1.0
IGT HE	82	199	ES	0427	6.595	0.05									1.0
IGT HZ	82	199	IAML	0427	4.761				61	0.3					
KEK HZ	92	232	EP	0426	6.241	-0.31									1.0
KEK HE	92	232	ES	0427	9.610	-0.32									1.0
KEK HZ	92	232	IAML	0427	8.081				53	0.6					
KZN HZ	96	84	EP	0426	7.015	-0.20									1.0
KZN HN	96	84	ES	0427	0.971	-0.15									1.0
VLO HZ	101	286	EP	0426	8.262	0.16									1.0
VLO HE	101	286	ES	0427	3.009	0.29									1.0
VLO HZ	101	286	IAML	0427	9.964				121	0.6					
AL04AHZ	126	314	EP	0427	2.412	0.19									1.0
AL04AHN	126	314	ES	0427	0.566	0.38									1.0
THL HZ	138	122	EP	0427	4.237	-0.03									1.0
THL HN	138	122	ES	0427	4.290	0.41									1.0
TIR HZ	141	332	EP	0427	4.912	0.25									1.0
TIR HE	141	332	ES	0427	5.131	0.54									1.0
TIR HZ	141	332	IAML	0427	6.631				12	1.1					
LKD2 HZ	160	180	EP	0427	8.653	0.76									0.9
LKD2 HN	160	180	ES	0427	0.321	-0.12									0.9
AL03AHZ	162	341	EP	0427	8.342	0.16									0.9
AL03AHN	162	341	ES	0427	0.458	-0.52									0.9
PHP HZ	163	354	EP	0427	9.223	0.88									0.9
PHP HE	163	354	ES	0427	0.583	-0.68									0.9
PHP HZ	163	354	IAML	0427	7.532				29	0.9					
LACI HZ	175	334	EP	0427	0.376	0.04									0.9
LACI HN	175	334	ES	0427	5.445	0.57									0.9
LACI HZ	175	334	IAML	0427	9.852				26	0.7					
SDA HZ	224	335	EP	0427	7.002	0.13									0.9
SDA HE	224	335	ES	0427	6.639	-0.07									0.9
VLS HZ	228	181	EP	0427	8.241	0.82									0.9
VLS HE	228	181	ES	0427	7.196	-0.49									0.9
PLG HZ	238	85	EP	0427	7.820	-0.98									0.9
AL01AHZ	252	339	EP	0427	1.159	0.48									0.9
AL01AHE	252	339	ES	0427	3.197	-0.39									0.9
PVY HZ	269	348	EP	0427	5.519	2.72									0.0
PVY HE	269	348	ES	0427	6.951	-0.48									0.9
PEJK HZ	270	354	EP	0427	2.581	-0.28									0.9
PEJK HE	270	354	ES	0427	8.224	0.69									0.9
GMRK HZ	274	10	EP	0427	3.538	0.11									0.8
GMRK HE	274	10	ES	0427	7.618	-0.95									0.8

September 2 2023 Hour: 6:17 51.6 Lat: 40.20N Lon: 20.70E D: 7.3 Ag: TIR Local  
Magnitudes: 4.0ML TIR 4.0MW TIR Rms: 0.6 secs  
17 km S of Erseke

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KBN	HZ	48	9	EP		0618	0.384	0.16							1.0
KBN	HN	48	9	ES		0618	7.345	0.13							1.0
KBN	HZ	48	9	IAML		0618	2.566			2096	0.9				
TPE	HZ	59	280	EP		0618	1.247	-0.95							1.0
TPE	HN	59	280	ES		0618	1.051	0.27							1.0
TPE	HZ	59	280	IAML		0618	2.355			8909	0.6				
JAN	HN	62	168	EP		0618	3.127	0.40							1.0
JAN	HN	62	168	ES		0618	1.757	0.02							1.0
SRN	HZ	69	239	EP		0618	3.541	-0.49							1.0
SRN	HE	69	239	ES		0618	4.227	0.12							1.0
SRN	HZ	69	239	IAML		0618	4.136			1845	0.8				
AL07AHZ	78	359	EP			0618	5.566	0.03							1.0
AL07AHN	78	359	ES			0618	6.949	0.13							1.0

IGT	HZ	80	203	EP	0618	6.413	0.44			1.0
IGT	HZ	80	203	IAML	0618	3.256		1677	0.4	
AL06AHZ		81	261	EP	0618	5.039	-1.00			1.0
AL06AHE		81	261	ES	0618	7.755	0.02			1.0
BERA	HZ	84	312	EP	0618	5.160	-1.46			1.0
BERA	HN	84	312	ES	0618	9.268	0.49			1.0
BERA	HZ	84	312	IAML	0618	8.103		3996	0.6	
KZN	HZ	92	82	EP	0618	8.497	0.54			1.0
KZN	HN	92	82	ES	0618	1.385	0.17			1.0
KEK	HZ	94	235	EP	0618	7.585	-0.62			1.0
KEK	HN	94	235	IS	0618	1.738	0.08			1.0
KEK	HN	94	235	ES	0618	2.205	0.55			1.0
KEK	HZ	94	235	IAML	0618	0.101		1942	0.4	
VLO	HZ	106	287	EP	0618	0.241	-0.02			1.0
VLO	HE	106	287	ES	0618	6.426	1.04			1.0
VLO	HZ	106	287	IAML	0618	9.935		3645	0.5	
BPA2	HZ	109	303	EP	0618	0.555	-0.10			1.0
BPA2	HN	109	303	ES	0618	6.073	-0.02			1.0
AL08AHZ		112	334	EP	0618	0.265	-1.01			1.0
AL08AHN		112	334	ES	0618	7.333	0.12			1.0
AL04AHZ		131	313	EP	0618	5.325	0.89			1.0
AL04AHN		131	313	ES	0618	2.834	-0.10			1.0
THL	HZ	133	122	EP	0618	5.469	0.75			1.0
THL	HE	133	122	ES	0618	3.615	0.17			1.0
TIR	HZ	145	331	EP	0618	6.784	-0.01			1.0
TIR	HE	145	331	ES	0618	7.436	0.23			1.0
TIR	HZ	145	331	IAML	0618	6.356		619	0.6	
AL03AHZ		166	340	EP	0618	0.009	-0.25			0.9
AL03AHN		166	340	ES	0618	3.375	-0.10			0.9
AL03AHZ		166	340	IAML	0618	6.633		1	0.6	
PHP	HZ	166	353	EP	0618	9.763	-0.53			0.9
PHP	HN	166	353	ES	0618	3.496	-0.03			0.9
PHP	HZ	166	353	IAML	0618	5.258		1284	1.0	
AL02AHZ		173	321	EP	0618	2.757	1.33			0.9
AL02AHN		173	321	ES	0618	5.966	0.38			0.9
LACI	HZ	180	333	EP	0618	3.501	1.19			0.9
LACI	HN	180	333	ES	0618	7.295	0.10			0.9
LACI	HZ	180	333	IAML	0619	1.108		1122	0.8	
SCTE	HZ	190	266	EP	0618	2.997	-0.73			0.9
KKS	HZ	209	353	EP	0618	6.399	0.21			0.9
KKS	HN	209	353	ES	0618	3.532	-0.67			0.9
PRZK	HZ	223	1	EP	0618	8.201	0.19			0.9
PRZK	HE	223	1	ES	0618	7.357	-0.14			0.9
VLS	HZ	225	182	EP	0618	8.412	0.26			0.9
VLS	HN	225	182	ES	0618	7.797	0.03			0.9
SDA	HZ	229	334	EP	0618	8.541	-0.07			0.9
SDA	HN	229	334	ES	0618	8.553	-0.03			0.9
SDA	HZ	229	334	IAML	0619	1.213		165	1.4	
PLG	HZ	234	84	EP	0618	8.601	-0.82			0.9
AL01AHZ		257	338	EP	0618	2.735	0.35			0.9
AL01AHN		257	338	ES	0619	5.623	0.21			0.9
AL01AHZ		257	338	IAML	0619	6.592		0.60	0.9	
PVY	HZ	273	347	EP	0618	5.753	1.31			0.8
PEJK	HE	273	353	ES	0619	9.257	0.08			0.8
PVY	HN	273	347	ES	0619	9.124	-0.03			0.8
PEJK	HZ	273	353	EP	0618	4.237	-0.22			0.8
PDG	HZ	275	335	EP	0618	4.631	0.05			0.8
PDG	HN	275	335	ES	0619	9.048	-0.34			0.8
PDG	HZ	275	335	IAML	0619	3.454		365	0.6	
GMRK	HZ	277	9	EP	0618	5.337	0.47			0.8
BOSS	SZ	295	29	EP	0618	6.331	-0.85			0.8
NVR	HZ	296	63	EP	0618	6.146	-1.21			0.8
ME01AHZ		302	347	EP	0618	9.171	1.12			0.8
BARS	BZ	305	17	EP	0618	7.715	-0.75			0.8

NKME	HZ	320	334	EP	0618	0.283-0.13											0.8
SJES	BZ	345	350	EP	0618	3.671-0.04											0.8
SJES	BZ	345	350	IAML	0619	9.321			2803	0.8							
ME02AHZ		353	339	EP	0618	4.809	0.02										0.8
MRVN	HZ	393	286	EP	0618	7.340-2.35											0.7

**September 2 2023 Hour: 18:33 31.9 Lat: 42.00N Lon: 20.36E D: 7.9 Ag: TIR Local**  
**Magnitudes: 2.5ML TIR 2.9MW TIR Rms: 0.4 secs**  
**9 km SW of Kukës**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KKS	HZ	9	22	EP		1833	4.673	0.59							1.0
KKS	HN	9	22	ES		1833	5.704-0.14								1.0
PHP	HZ	36	169	EP		1833	8.395-0.04								1.0
PHP	HN	36	169	ES		1833	3.339-0.38								1.0
PHP	HZ	36	169	IAML		1833	3.691		403	0.2					
PRZK	HZ	40	54	EP		1833	9.834	0.56							1.0
PRZK	HN	40	54	ES		1833	5.141-0.10								1.0
AL03AHZ		53	214	EP		1833	1.607	0.07							1.0
LACI	HZ	67	233	IAML		1834	2.148		140	0.5					
SDA	HZ	72	275	EP		1833	5.278	0.52							1.0
SDA	HZ	72	275	IAML		1834	1.201		24	0.3					
PEJK	HZ	72	355	EP		1833	4.493-0.34								1.0
PEJK	HN	72	355	ES		1833	5.225-0.08								1.0
PVY	HZ	74	333	EP		1833	5.081-0.16								1.0
PVY	HN	74	333	ES		1833	6.238	0.20							1.0
AL01AHZ		78	300	EP		1833	5.301-0.51								1.0
TIR	HZ	83	210	EP		1833	6.915	0.20							1.0
TIR	HZ	83	210	IAML		1834	6.003		41	0.5					
ME01AHZ		102	337	EP		1833	0.339	0.46							1.0
AL08AHZ		102	192	EP		1833	9.533-0.23								1.0
GMRK	HZ	102	44	EP		1833	0.049	0.20							1.0
GMRK	HN	102	44	ES		1834	3.606-0.78								1.0
AL08AHN		102	192	ES		1834	3.830-0.39								1.0
ME01AHN		102	337	ES		1834	5.018	0.59							1.0
PDG	HZ	103	298	EP		1833	9.397-0.55								1.0
PDG	HE	103	298	ES		1834	4.479-0.07								1.0
PDG	HZ	103	298	IAML		1834	8.222		72	0.3					
NKME	HZ	144	307	EP		1833	6.044-0.82								1.0
BERA	HZ	148	194	EP		1833	7.574	0.08							1.0
BERA	HZ	148	194	IAML		1834	3.845		24	0.3					
ME05AHZ		161	289	EP		1833	9.809	0.11							0.9
ME02AHZ		164	322	EP		1834	0.007-0.23								0.9
NEST	HZ	185	162	EP		1834	3.380-0.01								0.9
NEST	HZ	185	162	IAML		1834	0.389		40	0.4					
AL06AHZ		218	194	EP		1834	7.486-0.02								0.9
KZN	HZ	222	147	EP		1834	8.825	0.73							0.9
SRN	HZ	237	187	EP		1834	0.562	0.62							0.9
KEK	HZ	258	191	EP		1834	2.708	0.04							0.9
IGT	HZ	274	181	EP		1834	4.949	0.27							0.8
IGT	HZ	274	181	IAML		1834	6.653		7	0.6					
THL	HZ	304	152	EP		1834	9.068	0.54							0.8
PLG	HZ	315	124	EP		1834	9.267-0.75								0.8

**September 4 2023 Hour: 16:13 21.2 Lat: 39.66N Lon: 20.42E D: 15.0 Ag: TIR Local**  
**Magnitudes: 3.2ML TIR 3.4MW TIR Rms: 0.7 secs**  
**20 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	16	210	EP		1613	4.762-0.27								1.0
IGT	HN	16	210	ES		1613	9.099	0.94							1.0
IGT	HZ	16	210	IAML		1613	9.550		2925	0.6					
SRN	HZ	44	305	EP		1613	8.134-1.15								1.0
SRN	HN	44	305	ES		1613	4.603-1.24								1.0
SRN	HZ	44	305	IAML		1613	7.509		627	0.5					
KEK	HZ	54	277	EP		1613	9.912-1.03								1.0



KEK	HN	54	277	ES	1613	8.492-0.36			1.0
KEK	HZ	54	277	IAML	1613	2.718	1156	0.4	
AL06AHZ		75	310	EP	1613	2.870-1.47			1.0
AL06AHE		75	310	ES	1613	5.452 0.46			1.0
TPE	HZ	79	334	EP	1613	4.374-0.72			1.0
TPE	HN	79	334	ES	1613	6.845 0.48			1.0
TPE	HZ	79	334	IAML	1613	0.536	1307	0.8	
LKD2	HZ	98	168	EP	1613	8.031-0.30			1.0
LKD2	HN	98	168	ES	1613	3.507 1.29			1.0
NEST	HZ	100	32	EP	1613	8.320-0.28			1.0
NEST	HN	100	32	ES	1613	2.909 0.20			1.0
NEST	HZ	100	32	IAML	1613	8.876	311	0.4	
KBN	HZ	112	16	EP	1613	0.216-0.38			1.0
KBN	HN	112	16	ES	1613	6.359 0.03			1.0
KBN	HZ	112	16	IAML	1613	8.200	113	0.8	
AL05AHZ		117	359	EP	1613	0.314-1.05			1.0
AL05AHE		117	359	ES	1613	8.110 0.40			1.0
AL05AHZ		117	359	IAML	1614	5.803	0.20	0.4	
VLO	HZ	120	319	EP	1613	2.558 0.65			1.0
VLO	HN	120	319	ES	1614	0.267 1.57			1.0
VLO	HZ	120	319	IAML	1614	8.007	362	1.2	
BERA	HZ	123	341	EP	1613	1.627-0.79			1.0
BERA	HN	123	341	ES	1613	9.915 0.30			1.0
BERA	HZ	123	341	IAML	1614	1.600	387	0.5	
KZN	HZ	136	57	EP	1613	4.272-0.34			1.0
KZN	HE	136	57	ES	1614	3.660 0.07			1.0
THL	HZ	137	94	EP	1613	5.022 0.28			1.0
THL	HE	137	94	ES	1614	3.949 0.12			1.0
BPA2	HZ	138	330	EP	1613	5.226 0.40			1.0
BPA2	HN	138	330	ES	1614	4.409 0.43			1.0
AL07AHZ		140	9	EP	1613	5.456 0.21			1.0
AL07AHN		140	9	ES	1614	4.961 0.21			1.0
AL08AHZ		163	351	EP	1613	8.815-0.12			0.9
AL08AHN		163	351	ES	1614	1.448 0.03			0.9
VLS	HZ	165	175	EP	1613	8.085-1.07			0.9
VLS	HN	165	175	ES	1614	1.518-0.30			0.9
AL04AHZ		167	334	EP	1613	9.643 0.24			0.9
AL04AHE		167	334	ES	1614	2.276 0.02			0.9
SCTE	HZ	174	286	EP	1613	1.793 1.54			0.9
TIR	HZ	194	346	EP	1613	2.906 0.06			0.9
TIR	HE	194	346	ES	1614	8.308-0.19			0.9
TIR	HZ	194	346	IAML	1614	3.295	69	0.6	
AL03AHZ		219	351	EP	1613	5.630-0.47			0.9
AL03AHN		219	351	ES	1614	4.199-0.19			0.9
PHP	HZ	225	0	EP	1613	7.156 0.20			0.9
PHP	HN	225	0	ES	1614	5.760-0.17			0.9
PHP	HZ	225	0	IAML	1614	9.782	66	0.5	
LACI	HZ	228	345	EP	1613	9.579 2.37			0.9
LACI	HE	228	345	ES	1614	7.049 0.66			0.9
LACI	HZ	228	345	IAML	1614	7.037	67	0.5	
THE	HZ	242	63	EP	1613	9.159 0.11			0.9
THE	HE	242	63	ES	1614	8.410-1.31			0.9
THE	HZ	242	63	IAML	1614	8.513	22	0.6	
KKS	HZ	268	360	EP	1614	2.450 0.00			0.9
KKS	HN	268	360	ES	1614	5.712-0.16			0.9
PLG	HZ	270	72	EP	1614	3.419 0.75			0.9
NOCI	HZ	312	295	EP	1614	7.949-0.13			0.8

September 4 2023 Hour: 19:51 42.8 Lat: 41.84N Lon: 19.42E D: 21.1 Ag: TIR Local  
 Magnitudes: 2.7ML TIR 2.7MW TIR Rms: 0.7 secs  
 20 km W of Lezhe

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SDA	HZ	24	17	EP		1951	8.412	0.13							1.0
SDA	HN	24	17	ES		1951	2.811	0.04							1.0
SDA	HZ	24	17	IAML		1951	3.093			190	0.3				
LACI	HZ	34	132	IAML		1951	7.934			446	0.3				
AL03AHZ		56	119	EP		1951	2.830	-0.23							1.0
AL03AHE		56	119	ES		1952	1.587	0.17							1.0
AL03AHZ		56	119	IAML		1952	3.742			0.20	0.3				
PDG	HZ	66	349	EP		1951	4.460	-0.28							1.0
PDG	HN	66	349	ES		1952	4.964	0.52							1.0
PDG	HZ	66	349	IAML		1952	5.506			89	0.6				
TIR	HZ	67	146	EP		1951	3.861	-0.91							1.0
TIR	HE	67	146	ES		1952	3.544	-0.96							1.0
TIR	HZ	67	146	IAML		1952	9.287			57	0.8				
KKS	HZ	86	72	EP		1951	7.083	-0.83							1.0
KKS	HE	86	72	ES		1952	0.183	-0.00							1.0
PHP	HZ	87	101	EP		1951	7.706	-0.45							1.0
PHP	HN	87	101	ES		1952	0.419	-0.21							1.0
PHP	HZ	87	101	IAML		1952	3.832			66	0.2				
AL04AHZ		94	172	EP		1952	0.312	1.11							1.0
AL04AHE		94	172	ES		1952	5.133	2.61							1.0
PVY	HZ	95	28	EP		1951	9.121	-0.35							1.0
PVY	HE	95	28	ES		1952	2.774	-0.24							1.0
AL08AHZ		100	145	EP		1952	0.474	0.21							1.0
AL08AHN		100	145	ES		1952	4.660	0.21							1.0
ME05AHZ		102	313	EP		1952	0.690	0.21							1.0
ME05AHN		102	313	ES		1952	4.106	-0.74							1.0
NKME	HZ	110	340	EP		1952	1.307	-0.49							1.0
NKME	HE	110	340	ES		1952	7.124	-0.09							1.0
PEJK	HZ	114	38	EP		1952	1.826	-0.67							1.0
PEJK	HN	114	38	ES		1952	8.336	-0.15							1.0
ME01AHZ		118	19	EP		1952	3.084	-0.03							1.0
ME01AHE		118	19	ES		1952	0.472	0.87							1.0
BERA	HZ	134	160	EP		1952	5.732	0.08							1.0
BERA	HN	134	160	ES		1952	3.714	-0.48							1.0
BERA	HZ	134	160	IAML		1952	6.444			47	0.1				
ME02AHZ		148	351	EP		1952	8.124	0.23							1.0
ME02AHE		148	351	ES		1952	8.447	0.18							1.0
AL05AHZ		150	147	EP		1952	8.189	-0.05							1.0
AL05AHN		150	147	ES		1952	9.143	0.27							1.0
VLO	HZ	153	177	EP		1952	8.992	0.49							1.0
VLO	HZ	153	177	IAML		1952	3.345			111	0.5				
SJES	BZ	164	16	EP		1952	0.356	0.26							0.9
SJES	BN	164	16	ES		1952	2.488	0.24							0.9
SJES	BZ	164	16	IAML		1952	7.130			413	0.9				
GMRK	HZ	174	58	EP		1952	2.045	0.66							0.9
GMRK	HN	174	58	ES		1952	5.919	1.35							0.9
TPE	HZ	179	163	EP		1952	0.891	-1.02							0.9
TPE	HN	179	163	ES		1952	5.919	0.40							0.9
TPE	HZ	179	163	IAML		1952	4.285			37	0.6				
AL06AHZ		197	171	EP		1952	3.718	-0.46							0.9
AL06AHN		197	171	ES		1952	8.964	-0.66							0.9
SRN	HZ	223	167	EP		1952	6.547	-1.01							0.9
SRN	HZ	223	167	IAML		1952	3.380			24	1.1				
BARS	BZ	225	61	EP		1952	8.840	0.98							0.9
BARS	BN	225	61	ES		1952	5.655	-0.63							0.9
NOCI	HZ	229	240	EP		1952	8.745	0.43							0.9
KEK	HZ	239	172	EP		1952	8.041	-1.50							0.9
KEK	HZ	239	172	IAML		1952	9.209			50	1.1				
BOSS	SZ	262	73	EP		1952	3.272	0.69							0.9

September 6 2023 Hour: 3:57 24.2 Lat: 40.07N Lon: 19.80E D: 4.9 Ag: TIR Local  
 Magnitudes: 2.7ML TIR 3.2MW TIR Rms: 0.5 secs  
 5 km SE of Himare

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRN	HZ	27	140	EP		0357	9.073	-0.06							1.0
SRN	HN	27	140	ES		0357	3.348	0.22							1.0
SRN	HZ	27	140	IAML		0357	6.350			671	0.4				
TPE	HZ	31	36	EP		0357	9.185	-0.69							1.0
TPE	HN	31	36	ES		0357	4.367	-0.11							1.0
TPE	HZ	31	36	IAML		0357	7.075			469	0.6				
KEK	HZ	39	180	EP		0357	1.456	0.16							1.0
KEK	HN	39	180	ES		0357	7.538	0.50							1.0
KEK	HZ	39	180	IAML		0357	1.326			1115	0.6				
VLO	HZ	51	330	EP		0357	3.366	-0.05							1.0
VLO	HN	51	330	ES		0357	1.077	0.20							1.0
VLO	HZ	51	330	IAML		0357	4.512			421	0.3				
BERA	HZ	72	10	EP		0357	6.258	-0.78							1.0
BERA	HN	72	10	ES		0357	7.752	0.32							1.0
BERA	HZ	72	10	IAML		0357	8.361			148	1.0				
IGT	HZ	75	142	EP		0357	7.324	-0.32							1.0
IGT	HN	75	142	ES		0357	8.463	-0.07							1.0
IGT	HZ	75	142	IAML		0357	5.593			116	0.4				
AL05AHZ		87	35	EP		0357	8.795	-0.97							1.0
KBN	HZ	104	53	EP		0357	2.750	0.00							1.0
KBN	HN	104	53	ES		0357	7.879	0.11							1.0
KBN	HZ	104	53	IAML		0358	5.286			39	0.3				
SCTE	HN	113	271	ES		0357	9.743	-0.65							1.0
NEST	HZ	113	70	EP		0357	4.115	-0.14							1.0
NEST	HN	113	70	ES		0358	1.064	0.57							1.0
NEST	HZ	113	70	IAML		0358	6.415			88	0.2				
SCTE	HZ	113	271	EP		0357	4.357	0.16							1.0
TIR	HZ	142	2	EP		0357	9.382	0.37							1.0
TIR	HN	142	2	ES		0358	9.438	0.32							1.0
TIR	HZ	142	2	IAML		0358	8.138			30	0.5				
LACI	HZ	174	358	EP		0357	5.643	1.28							0.9
LACI	HN	174	358	ES		0358	9.405	0.62							0.9
LACI	HZ	174	358	IAML		0358	8.219			29	0.4				
PHP	HZ	188	17	EP		0357	5.195	-1.12							0.9
PHP	HN	188	17	ES		0358	1.585	-0.75							0.9
PHP	HZ	188	17	IAML		0358	5.461			44	0.3				
THL	HZ	198	106	EP		0357	7.732	0.16							0.9
AL04AHZ		106	349	EP		0357	3.765	0.77							1.0

September 6 2023 Hour: 16:26 25.1 Lat: 40.14N Lon: 19.66E D: 17.8 Ag: TIR Local  
 Magnitudes: 2.5ML TIR 2.9MW TIR Rms: 0.8 secs  
 7 km NW of Himare

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
AL06AHZ		10	123	EP		1626	8.796	0.09							1.0
AL06AHN		10	123	ES		1626	1.238	-0.35							1.0
TPE	HZ	35	60	EP		1626	1.155	-0.80							1.0
TPE	HE	35	60	ES		1626	6.470	-1.00							1.0
TPE	HZ	35	60	IAML		1626	7.930			451	0.3				
VLO	HZ	39	339	EP		1626	2.240	-0.41							1.0
VLO	HN	39	339	ES		1626	9.165	0.43							1.0
VLO	HZ	39	339	IAML		1626	2.758			458	0.5				
SRN	HZ	41	135	EP		1626	2.839	0.00							1.0
SRN	HE	41	135	ES		1626	9.240	0.17							1.0
SRN	HZ	41	135	IAML		1626	0.213			165	0.7				
KEK	HZ	49	166	EP		1626	4.673	0.56							1.0
KEK	HE	49	166	ES		1626	1.801	0.41							1.0
KEK	HZ	49	166	IAML		1626	8.710			126	0.2				
BPA2	HZ	66	357	EP		1626	6.584	-0.35							1.0
BERA	HZ	67	21	EP		1626	6.197	-0.98							1.0

BERA HE	67	21	ES	1626	6.470	-0.45								1.0
BERA HZ	67	21	IAML	1626	8.716		157	0.2						
IGT HZ	88	139	EP	1626	0.847	0.20								1.0
IGT HN	88	139	ES	1626	3.354	0.14								1.0
IGT HZ	88	139	IAML	1626	7.658		71	0.4						
AL05AHZ	88	44	EP	1626	9.774	-0.90								1.0
AL05AHE	88	44	ES	1626	3.723	0.46								1.0
AL04AHZ	97	355	EP	1626	2.635	0.57								1.0
AL04AHE	97	355	ES	1626	8.254	2.47								1.0
SCTE HZ	102	266	EP	1626	2.754	-0.17								1.0
SCTE HN	102	266	ES	1626	6.346	-0.98								1.0
KBN HZ	110	60	EP	1626	4.420	0.18								1.0
KBN HN	110	60	ES	1627	0.161	0.45								1.0
KBN HZ	110	60	IAML	1627	3.261		19	0.8						
AL08AHZ	114	19	EP	1626	4.304	-0.56								1.0
AL08AHE	114	19	ES	1627	1.234	0.39								1.0
NEST HZ	122	75	EP	1626	5.974	-0.30								1.0
NEST HE	122	75	ES	1627	4.811	1.42								1.0
NEST HZ	122	75	IAML	1627	6.361		64	0.5						
TIR HZ	136	7	EP	1626	7.788	-0.63								1.0
TIR HE	136	7	ES	1627	6.599	-0.67								1.0
TIR HZ	136	7	IAML	1627	0.176		20	0.3						
AL02AHZ	143	351	EP	1626	9.766	0.20								1.0
AL02AHN	143	351	ES	1627	0.415	1.05								1.0
AL03AHZ	165	10	EP	1626	1.696	-1.17								0.9
LACI HZ	167	2	EP	1626	3.435	0.42								0.9
LACI HZ	167	2	IAML A	1627	8.437		19	0.6						
LKD2 HZ	172	150	EP	1626	4.105	0.29								0.9
KZN HZ	180	83	EP	1626	5.176	0.28								0.9
PHP HZ	184	21	EP	1626	4.640	-0.67								0.9
PHP HE	184	21	ES	1627	8.886	-0.87								0.9
PHP HZ	184	21	IAML	1627	0.406		23	1.5						
THL HZ	211	107	EP	1626	8.525	-0.20								0.9
KKS HZ	224	16	EP	1626	9.865	-0.52								0.9
NOCI HZ	232	289	EP	1627	3.347	1.92								0.9

September 10 2023 Hour: 7:20 49.1 Lat: 41.17N Lon: 20.37E D: 6.9 Ag: TIR Local  
Magnitudes: 2.7ML TIR 3.1MW TIR Rms: 0.7 secs  
5 km E of Librazhd

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
AL08AHZ		24	254	EP		0720	2.837	-0.69							1.0
AL08AHE		24	254	ES		0720	6.494	-0.62							1.0
AL07AHZ		39	139	EP		0720	6.360	0.15							1.0
AL07AHN		39	139	ES		0721	2.488	0.51							1.0
TIR HZ		47	296	EP		0720	6.803	-0.81							1.0
TIR HN		47	296	ES		0721	4.086	-0.44							1.0
TIR HZ		47	296	IAML		0721	6.536		281	0.8					
AL05AHZ		51	178	EP		0720	7.692	-0.63							1.0
AL05AHE		51	178	ES		0721	6.284	0.49							1.0
AL05AHZ		51	178	IAML		0721	9.161		0.50	1.1					
AL03AHZ		57	328	EP		0720	9.364	-0.07							1.0
AL03AHE		57	328	ES		0721	8.008	0.19							1.0
AL03AHZ		57	328	IAML		0721	9.993		0.40	0.6					
BERA HZ		63	215	EP		0720	9.428	-0.92							1.0
BERA HN		63	215	ES		0721	7.949	-1.51							1.0
BERA HZ		63	215	IAML		0721	6.076		194	0.3					
KBN HZ		70	150	EP		0721	1.862	0.27							1.0
KBN HN		70	150	ES		0721	1.745	0.04							1.0
KBN HZ		70	150	IAML		0721	0.174		83	1.2					
AL04AHZ		71	256	EP		0721	2.054	0.31							1.0
AL04AHE		71	256	ES		0721	3.144	1.16							1.0
LACI HZ		76	314	EP		0721	4.935	2.25							1.0
LACI HE		76	314	ES		0721	4.988	1.29							1.0
LACI HZ		76	314	IAML		0721	7.421		159	0.4					

BPA2	HZ	80	233	EP	0721	3.154	-0.22										1.0
BPA2	HE	80	233	ES	0721	4.942	0.00										1.0
AL02AHZ		86	289	EP	0721	4.871	0.44										1.0
TPE	HZ	101	197	EP	0721	6.950	-0.01										1.0
TPE	HE	101	197	ES	0721	2.594	1.15										1.0
TPE	HZ	101	197	IAML	0721	3.338				97	0.8						
NEST	HZ	101	145	EP	0721	7.087	0.13										1.0
NEST	HE	101	145	ES	0721	0.600	-0.83										1.0
NEST	HZ	101	145	IAML	0721	4.256				133	0.4						
KKS	HZ	101	1	EP	0721	6.976	0.09										1.0
KKS	HN	101	1	ES	0721	1.154	-0.15										1.0
VLO	HZ	107	224	EP	0721	8.282	0.36										1.0
SDA	HZ	122	324	EP	0721	9.635	-0.81										1.0
SDA	HN	122	324	ES	0721	7.135	-0.60										1.0
SDA	HZ	122	324	IAML	0721	2.120				19	0.4						
AL06AHZ		130	204	EP	0721	2.293	0.49										1.0
AL06AHE		130	204	ES	0721	0.342	0.14										1.0
SRN	HZ	146	193	EP	0721	4.951	0.52										1.0
SRN	HN	146	193	ES	0721	5.513	0.56										1.0
SRN	HZ	146	193	IAML	0721	1.756				59	0.6						
KZN	HZ	152	128	EP	0721	5.727	0.32										1.0
KZN	HE	152	128	ES	0721	6.329	-0.39										1.0
PVY	HZ	162	348	EP	0721	6.502	-0.71										0.9
PVY	HN	162	348	ES	0721	0.095	0.11										0.9
PEJK	HZ	164	357	EP	0721	6.502	-0.99										0.9
PDG	HZ	168	327	EP	0721	6.724	-1.36										0.9
PDG	HN	168	327	ES	0721	0.981	-0.59										0.9
PDG	HZ	168	327	IAML	0721	5.522				76	0.6						
KEK	HZ	169	197	EP	0721	7.908	-0.25										0.9
KEK	HZ	169	197	IAML	0721	3.196				62	1.2						
JAN	HN	172	166	EP	0721	9.228	0.41										0.9
GMRK	HZ	180	23	EP	0721	1.043	1.00										0.9
IGT	HZ	181	181	EP	0721	9.825	-0.30										0.9
IGT	HZ	181	181	IAML	0721	7.295				40	0.6						
ME01AHZ		191	348	EP	0721	2.199	0.78										0.9
SCTE	HZ	202	234	EP	0721	1.759	-0.97										0.9
ME05AHZ		211	313	EP	0721	3.960	0.02										0.9
NKME	HZ	213	327	EP	0721	3.923	-0.34										0.9
BARS	BZ	219	33	EP	0721	5.497	0.56										0.9
THE	HZ	226	104	EP	0721	5.363	-0.48										0.9
BOSS	SZ	228	49	EP	0721	5.497	-0.65										0.9
SJES	BZ	235	352	EP	0721	8.138	1.01										0.9
ME02AHZ		244	335	EP	0721	9.351	1.04										0.9
LKD2	HZ	265	175	EP	0721	0.452	-0.41										0.9
PLG	HZ	274	108	EP	0721	2.009	0.01										0.8
NVR	HZ	293	85	EP	0721	4.303	-0.21										0.8

September 12 2023 Hour: 17:23 47.6 Lat: 41.15N Lon: 20.31E D: 6.1 Ag: TIR Local  
Magnitudes: 2.5ML TIR 3.0MW TIR Rms: 0.5 secs  
3 km S of Librazhd

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
AL08AHZ		19	253	EP		1723	1.086	0.01							1.0
AL08AHN		19	253	ES		1723	3.992	0.09							1.0
AL07AHZ		42	132	EP		1723	5.465	0.33							1.0
AL07AHN		42	132	ES		1724	1.714	0.47							1.0
TIR	HZ	43	300	EP		1723	5.290	-0.12							1.0
TIR	HN	43	300	ES		1724	1.902	0.16							1.0
TIR	HZ	43	300	IAML		1724	5.842			161	0.6				
AL05AHZ		50	172	EP		1723	5.990	-0.63							1.0
AL05AHE		50	172	ES		1724	3.697	-0.24							1.0
AL03AHZ		56	333	EP		1723	7.610	-0.07							1.0
AL03AHN		56	333	ES		1724	6.061	0.21							1.0
BERA	HZ	59	212	EP		1723	8.048	-0.07							1.0
BERA	HZ	59	212	IAML		1724	0.818			129	1.0				

PHP	HZ	60	10	EP	1723	8.223	-0.15										1.0
PHP	HN	60	10	ES	1724	6.937	-0.18										1.0
PHP	HZ	60	10	IAML	1724	8.689			155	0.6							
AL04AHZ		65	256	EP	1723	9.562	0.28										1.0
KBN	HZ	71	146	EP	1724	0.108	-0.23										1.0
KBN	HE	71	146	ES	1724	0.891	0.22										1.0
KBN	HZ	71	146	IAML	1724	7.833			52	0.6							
LACI	HZ	73	317	IAML	1724	7.013			133	0.5							
AL02AHZ		82	291	EP	1724	3.391	1.14										1.0
TPE	HZ	99	195	EP	1724	5.360	0.31										1.0
KKS	HZ	102	4	EP	1724	5.278	-0.43										1.0
KKS	HN	102	4	ES	1724	9.967	-0.42										1.0
VLO	HZ	103	223	EP	1724	6.263	0.55										1.0
NEST	HZ	103	143	EP	1724	5.442	-0.37										1.0
NEST	HZ	103	143	IAML	1724	7.516			69	1.7							
SDA	HZ	121	326	EP	1724	8.068	-0.62										1.0
SDA	HN	121	326	ES	1724	5.383	-0.40										1.0
SDA	HZ	121	326	IAML	1724	0.635			22	1.3							
AL06AHZ		127	202	EP	1724	9.688	-0.12										1.0
AL06AHE		127	202	ES	1724	8.042	0.24										1.0
SRN	HZ	144	191	EP	1724	2.793	0.22										1.0
SRN	HN	144	191	ES	1724	3.260	0.45										1.0
SRN	HZ	144	191	IAML	1724	9.087			31	0.6							
KZN	HZ	155	127	EP	1724	3.976	-0.50										1.0
PVY	HZ	163	350	EP	1724	4.797	-1.03										0.9
PEJK	HZ	165	359	EP	1724	6.520	0.28										0.9
KEK	HZ	166	195	EP	1724	6.356	0.11										0.9
KEK	HN	166	195	ES	1724	7.938	-1.52										0.9
KEK	HZ	166	195	IAML	1724	6.062			38	1.1							
PDG	HZ	167	329	EP	1724	6.458	0.08										0.9
PDG	HN	167	329	ES	1724	9.169	-0.53										0.9
PDG	HZ	167	329	IAML	1724	2.697			61	0.7							
IGT	HZ	180	179	EP	1724	7.879	-0.65										0.9
IGT	HN	180	179	ES	1724	3.695	0.10										0.9
IGT	HZ	180	179	IAML	1724	4.044			21	0.9							
GMRK	HZ	183	24	EP	1724	9.556	0.49										0.9
ME01AHZ		191	349	EP	1724	0.581	0.52										0.9
SCTE	HZ	197	233	EP	1724	0.581	-0.11										0.9
NKME	HZ	212	328	EP	1724	2.506	-0.15										0.9
NKME	HN	212	328	ES	1724	1.719	0.65										0.9
BARS	BZ	223	33	EP	1724	4.143	0.11										0.9
BOSS	SZ	233	49	EP	1724	6.946	1.59										0.9
SJES	BZ	236	353	EP	1724	5.974	0.16										0.9

September 17 2023 Hour: 6:58 10.2 Lat: 40.40N Lon: 20.98E D: 8.5 Ag: TIR Local  
Magnitudes: 2.8ML TIR 3.2MW TIR Rms: 0.5 secs

22 km E of Erseke

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KBN	HZ	29	327	EP		0658	5.987	0.30							1.0
KBN	HE	29	327	ES		0658	9.981	-0.15							1.0
KBN	HZ	29	327	IAML		0658	2.723			406	0.2				
AL05AHZ		60	304	EP		0658	0.850	-0.17							1.0
AL05AHE		60	304	ES		0658	9.400	-0.39							1.0
AL07AHZ		61	335	EP		0658	1.484	0.34							1.0
AL07AHE		61	335	ES		0658	0.322	0.30							1.0
KZN	HZ	68	99	EP		0658	2.800	0.33							1.0
KZN	HN	68	99	ES		0658	2.673	0.25							1.0
TPE	HZ	83	262	EP		0658	4.644	-0.21							1.0
TPE	HN	83	262	ES		0658	5.990	-0.75							1.0
TPE	HZ	83	262	IAML		0658	1.787			120	0.5				
BERA	HZ	93	291	EP		0658	6.317	-0.30							1.0
BERA	HE	93	291	ES		0658	9.602	-0.31							1.0
BERA	HZ	93	291	IAML		0658	1.312			123	0.2				
SRN	HZ	102	235	EP		0658	7.930	-0.06							1.0

SRN	HN	102	235	ES	0658	2.689	0.27											1.0
SRN	HZ	102	235	IAML	0658	7.742		87	0.7									
AL08AHZ		107	317	EP	0658	9.866	0.89											1.0
AL08AHE		107	317	ES	0658	4.487	0.29											1.0
AL06AHZ		110	252	EP	0658	9.751	0.42											1.0
AL06AHN		110	252	ES	0658	4.952	0.12											1.0
IGT	HZ	111	210	EP	0658	8.967	-0.67											1.0
IGT	HN	111	210	ES	0658	6.065	0.68											1.0
IGT	HZ	111	210	IAML	0658	1.756		122	0.2									
KEK	HZ	127	233	EP	0658	2.185	0.02											1.0
KEK	HZ	127	233	IAML	0658	3.994		89	0.4									
THL	HZ	128	136	EP	0658	1.688	-0.78											1.0
THL	HE	128	136	ES	0658	0.446	-0.07											1.0
PHP	HZ	149	343	EP	0658	5.160	-0.82											1.0
PHP	HZ	149	343	IAML	0659	0.174		69	0.4									
AL03AHZ		156	329	EP	0658	7.593	0.46											1.0
LACI	HZ	173	323	EP	0658	4.068	4.14											0.0
LACI	HZ	173	323	IAML	0659	9.019		44	0.7									
AL02AHZ		174	310	EP	0658	1.783	1.76											0.0
LKD2	HZ	181	189	EP	0658	1.847	0.80											0.9
KKS	HZ	192	346	EP	0658	2.011	-0.34											0.9
PLG	HZ	209	90	EP	0658	3.687	-0.96											0.9
SCTE	HZ	217	261	EP	0658	5.648	0.10											0.9
PVY	HZ	258	341	EP	0658	1.828	0.88											0.9
PDG	HZ	267	328	EP	0658	1.642	-0.32											0.9
PDG	HZ	267	328	IAML	0659	1.906		21	0.5									
ME02AHZ		342	334	EP	0659	1.602	-0.22											0.8

**September 17 2023 Hour: 7:50 54.3 Lat: 38.73N Lon: 20.57E D: 6.0 Ag: TIR Local**  
**Magnitudes: 2.6ML TIR 2.8MW TIR Rms: 0.4 secs**  
**108 km S of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LKD2	HZ	10	49	EP		0750	6.635	0.20							1.0
LKD2	HE	10	49	ES		0750	8.405	0.20							1.0
IGT	HZ	92	347	EP		0751	0.355	-0.22							1.0
IGT	HE	92	347	ES		0751	3.667	-0.12							1.0
IGT	HZ	92	347	IAML		0751	7.545		79	0.2					
JAN	HN	106	13	ES		0751	7.716	-0.43							1.0
KEK	HZ	128	329	EP		0751	6.779	0.15							1.0
KEK	HE	128	329	ES		0751	4.373	-0.37							1.0
KEK	HZ	128	329	IAML		0751	4.269		54	0.3					
SRN	HZ	137	339	EP		0751	8.615	0.51							1.0
SRN	HN	137	339	ES		0751	7.188	-0.24							1.0
SRN	HZ	137	339	IAML		0751	7.330		30	0.5					
THL	HZ	156	53	EP		0751	0.228	-1.02							1.0
THL	HE	156	53	ES		0751	3.218	0.10							1.0
AL06AHZ		166	335	EP		0751	2.823	-0.21							0.9
TPE	HZ	180	345	EP		0751	5.735	0.48							0.9
TPE	HZ	180	345	IAML		0751	6.208		37	0.2					
NEST	HZ	192	12	EP		0751	7.699	0.87							0.9
NEST	HE	192	12	ES		0751	3.790	0.58							0.9
NEST	HZ	192	12	IAML		0751	6.783		20	0.4					
ITM	HZ	209	145	EP		0751	8.511	-0.47							0.9
AL05AHZ		220	356	EP		0751	0.528	0.14							0.9

**September 18 2023 Hour: 3:29 8.7 Lat: 38.95N Lon: 21.17E D: 24.0 Ag: TIR Local**  
**Magnitudes: 3.0ML TIR 3.5MW TIR Rms: 0.7 secs**  
**115 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LKD2	HZ	48	248	EP		0329	7.522	-0.52							1.0
LKD2	HN	48	248	ES		0329	5.881	0.30							1.0
IGT	HZ	97	312	EP		0329	5.818	0.16							1.0
IGT	HE	97	312	ES		0329	9.875	0.51							1.0
IGT	HZ	97	312	IAML		0329	5.375		238	0.6					

THL	HZ	99	47	EP	0329	6.210	0.22			1.0
THL	HE	99	47	ES	0329	9.705	-0.27			1.0
VLS	HZ	100	211	EP	0329	4.743	-1.38			1.0
VLS	HN	100	211	ES	0329	9.881	-0.33			1.0
SRN	HZ	144	316	EP	0329	3.521	0.46			1.0
SRN	HN	144	316	ES	0329	2.739	-0.03			1.0
SRN	HZ	144	316	IAML	0329	8.356		96	0.8	
KEK	HZ	146	306	EP	0329	3.176	-0.10			1.0
KEK	HN	146	306	ES	0329	3.282	0.12			1.0
KEK	HZ	146	306	IAML	0330	1.701		268	0.7	
KZN	HZ	159	19	EP	0329	5.059	0.01			0.9
KZN	HN	159	19	ES	0329	6.360	-0.01			0.9
NEST	HZ	163	356	EP	0329	6.730	1.16			0.9
NEST	HN	163	356	ES	0329	7.989	0.68			0.9
NEST	HZ	163	356	IAML	0330	7.216		75	0.8	
AL06AHZ	175	316	EP	0329	7.191	0.11				0.9
AL06AHN	175	316	ES	0329	9.980	-0.07				0.9
TPE	HZ	179	327	EP	0329	8.438	0.86			0.9
TPE	HN	179	327	ES	0330	1.217	0.27			0.9
TPE	HZ	179	327	IAML	0330	9.593		121	0.5	
KBN	HZ	188	350	EP	0329	9.073	0.23			0.9
KBN	HN	188	350	ES	0330	3.100	-0.13			0.9
KBN	HZ	188	350	IAML	0330	0.911		18	0.5	
AL05AHZ	206	341	EP	0329	2.673	1.64				0.9
AL05AHN	206	341	ES	0330	7.236	0.04				0.9
ITM	HZ	208	161	EP	0329	2.787	1.53			0.9
ITM	HE	208	161	ES	0330	7.916	0.32			0.9
VLO	HZ	221	320	EP	0329	3.720	0.73			0.9
VLO	HN	221	320	ES	0330	0.920	0.19			0.9
VLO	HZ	221	320	IAML	0330	5.041		101	0.7	
BERA	HZ	221	332	EP	0329	2.983	0.08			0.9
BERA	HN	221	332	ES	0330	0.580	0.00			0.9
BERA	HZ	221	332	IAML	0330	5.423		57	0.9	
THE	HZ	241	39	EP	0329	5.986	0.44			0.9
THE	HN	241	39	ES	0330	5.170	-0.19			0.9
THE	HZ	241	39	IAML	0330	2.680		12	0.6	
PLG	HZ	251	50	EP	0329	6.244	-0.54			0.9
SCTE	HZ	264	299	EP	0329	6.976	-1.45			0.9
TIR	HZ	288	338	EP	0329	1.848	0.27			0.8
TIR	HZ	288	338	IAML	0330	3.355		14	0.7	
PHP	HZ	310	349	EP	0329	4.333	-0.04			0.8
PHP	HN	310	349	ES	0330	0.814	-0.53			0.8
PHP	HZ	310	349	IAML	0330	8.018		14	0.7	
AL03AHZ	311	342	EP	0329	4.405	-0.03				0.8
AL03AHN	311	342	ES	0330	0.022	-1.44				0.8
AL02AHZ	312	332	EP	0329	4.892	0.32				0.8
AL02AHE	312	332	ES	0330	1.572	-0.13				0.8
LACI	HZ	323	338	EP	0329	7.610	1.65			0.8
LACI	HN	323	338	ES	0330	3.692	-0.53			0.8
LACI	HZ	323	338	IAML	0330	4.853		20	0.5	
NVR	HZ	351	40	EP	0329	9.511	-0.17			0.8
SDA	HZ	372	338	EP	0330	1.318	-0.97			0.8
BOSS	SZ	408	15	EP	0330	5.970	-1.07			0.7
GMRK	HZ	412	1	EP	0330	6.876	-0.60			0.7
PEJK	HZ	417	350	EP	0330	8.559	0.45			0.7
PVY	HZ	417	346	EP	0330	7.929	-0.31			0.7
PDG	HZ	419	338	EP	0330	6.751	-1.50			0.7
PDG	HZ	419	338	IAML	0330	3.320		6	0.2	
BARS	BZ	432	7	EP	0330	9.078	-1.00			0.7
NKME	HZ	463	337	EP	0330	2.169	-1.87			0.7
ME02AHZ	498	340	EP	0330	7.891	-0.67				0.7



September 18 2023 Hour: 5:17 34.5 Lat: 38.95N Lon: 21.16E D: 25.1 Ag: TIR Local  
 Magnitudes: 3.5ML TIR 3.8MW TIR Rms: 0.8 secs  
 115 km SE of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LKD2	HZ	47	248	EP		0517	3.439	-0.28							1.0
LKD2	HN	47	248	ES		0517	1.274	0.11							1.0
IGT	HZ	96	312	EP		0517	1.405	0.06							1.0
IGT	HE	96	312	ES		0518	5.332	0.36							1.0
IGT	HZ	96	312	IAML		0518	2.624			728	0.3				1.0
VLS	HZ	99	210	EP		0517	0.692	-1.12							1.0
VLS	HN	99	210	ES		0518	4.783	-1.03							1.0
THL	HZ	100	47	EP		0517	2.286	0.34							1.0
THL	HN	100	47	ES		0518	5.851	-0.20							1.0
SRN	HZ	144	316	EP		0517	8.835	0.13							1.0
SRN	HN	144	316	ES		0518	8.304	0.02							1.0
SRN	HZ	144	316	IAML		0518	6.676			272	0.6				1.0
KEK	HZ	145	306	EP		0517	9.145	0.26							1.0
KEK	HN	145	306	ES		0518	8.617	0.01							1.0
KEK	HZ	145	306	IAML		0518	6.371			1354	0.6				1.0
KZN	HZ	159	19	EP		0518	1.203	0.38							0.9
KZN	HE	159	19	ES		0518	1.966	-0.16							0.9
NEST	HZ	163	357	EP		0518	1.579	0.29							0.9
NEST	HN	163	357	ES		0518	2.842	-0.12							0.9
NEST	HZ	163	357	IAML		0518	0.120			408	0.8				0.9
AL06AHZ		175	317	EP		0518	3.107	0.40							0.9
AL06AHN		175	317	ES		0518	5.485	-0.04							0.9
TPE	HZ	179	327	EP		0518	3.677	0.45							0.9
TPE	HN	179	327	ES		0518	6.499	0.03							0.9
TPE	HZ	179	327	IAML		0518	1.099			566	1.0				0.9
KBN	HZ	188	350	EP		0518	6.501	1.96							0.9
KBN	HN	188	350	ES		0518	8.647	-0.21							0.9
KBN	HZ	188	350	IAML		0518	6.167			77	0.8				0.9
AL05AHZ		206	342	EP		0518	8.197	1.48							0.9
AL05AHE		206	342	ES		0518	3.021	0.24							0.9
AL05AHZ		206	342	IAML		0518	4.343			0.20	1.2				0.9
ITM	HZ	208	161	EP		0518	8.923	1.95							0.9
ITM	HN	208	161	ES		0518	4.030	0.78							0.9
BERA	HZ	220	332	IAML		0518	2.996			128	0.4				0.9
AL07AHZ		220	349	EP		0518	8.643	0.03							0.9
AL07AHN		220	349	ES		0518	6.040	-0.19							0.9
BERA	HZ	220	332	EP		0518	9.428	0.87							0.9
VLO	HZ	221	320	EP		0518	8.681	0.07							0.9
VLO	HN	221	320	ES		0518	6.257	0.03							0.9
VLO	HZ	221	320	IAML		0518	3.117			362	0.6				0.9
BPA2	HZ	238	327	EP		0518	0.560	-0.19							0.9
THE	HZ	242	39	EP		0518	0.792	-0.56							0.9
THE	HN	242	39	ES		0518	1.135	-0.05							0.9
THE	HZ	242	39	IAML		0518	0.826			57	0.6				0.9
PLG	HZ	252	50	EP		0518	2.304	-0.30							0.9
PLG	HN	252	50	ES		0518	2.044	-1.41							0.9
AL08AHZ		256	340	EP		0518	4.423	1.33							0.9
AL08AHN		256	340	ES		0518	4.214	-0.12							0.9
SCTE	HZ	263	299	EP		0518	3.045	-0.98							0.9
AL04AHZ		266	330	EP		0518	6.200	1.79							0.9
TIR	HZ	288	338	EP		0518	7.783	0.53							0.8
TIR	HN	288	338	ES		0518	0.930	-0.92							0.8
TIR	HZ	288	338	IAML		0519	4.328			39	0.6				0.8
PHP	HZ	310	349	EP		0518	0.045	-0.02							0.8
PHP	HZ	310	349	IAML		0519	9.775			64	1.0				0.8
AL03AHZ		310	342	EP		0518	0.403	0.28							0.8
PHP	HN	310	349	ES		0518	6.203	-0.75							0.8
AL02AHZ		312	332	EP		0518	0.802	0.58							0.8
AL02AHN		312	332	ES		0518	7.108	-0.13							0.8

LACI	HZ	323	338	IAML	0519	1.155		62	0.4	
NVR	HZ	352	40	EP	0518	5.207-0.28				0.8
NVR	HN	352	40	ES	0519	6.737-0.03				0.8
KKS	HZ	353	350	EP	0518	5.754 0.21				0.8
KKS	HE	353	350	ES	0519	6.886 0.02				0.8
SDA	HZ	372	338	EP	0518	7.147-0.81				0.8
NOCI	HZ	406	302	EP	0518	0.921-1.41				0.7
BOSS	SZ	409	15	EP	0518	2.725-0.08				0.7
GMRK	HZ	412	1	EP	0518	2.613-0.60				0.7
PEJK	HZ	417	350	EP	0518	4.235 0.42				0.7
PVY	HZ	417	346	EP	0518	3.956 0.03				0.7
PDG	HZ	418	338	EP	0518	2.949-0.98				0.7
PDG	HZ	418	338	IAML A	0519	0.987		25	0.7	
BARS	BZ	433	7	EP	0518	5.354-0.47				0.7
RDO	HZ	446	55	EP	0518	6.360-1.07				0.7
NKME	HZ	463	337	EP	0518	7.982-1.73				0.7
MRVN	HZ	484	300	EP	0518	0.219-2.23				0.7
ME02AHZ		497	340	EP	0518	3.491-0.74				0.7

**September 23 2023 Hour: 15:47 22.4 Lat: 41.22N Lon: 20.08E D: 17.9 Ag: TIR Local**  
**Magnitudes: 2.5ML TIR 2.8MW TIR Rms: 0.7 secs**  
**12 km N of Elbasan**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
AL08AHZ		13	173	EP		1547	6.134-0.20								1.0
AL08AHN		13	173	ES		1547	9.482-0.01								1.0
TIR	HZ	23	307	EP		1547	6.735-0.78								1.0
TIR	HN	23	307	ES		1547	1.302-0.32								1.0
TIR	HZ	23	307	IAML		1547	5.577			257	0.2				
AL03AHZ		43	351	EP		1547	9.923-0.55								1.0
AL03AHE		43	351	ES		1547	6.449-0.54								1.0
AL03AHZ		43	351	IAML		1547	6.730			0.70	0.4				
AL04AHZ		50	241	EP		1547	1.803 0.18								1.0
AL04AHE		50	241	ES		1547	9.904 0.84								1.0
LACI	HZ	55	327	IAML		1547	5.126			147	0.3				
BERA	HZ	59	191	EP		1547	1.657-1.41								1.0
BERA	HN	59	191	ES		1547	0.437-1.25								1.0
BERA	HZ	59	191	IAML		1547	2.201			156	0.2				
PHP	HZ	59	30	EP		1547	2.726-0.48								1.0
PHP	HN	59	30	ES		1547	2.391 0.46								1.0
PHP	HZ	59	30	IAML		1547	4.126			71	0.2				
AL02AHZ		61	290	EP		1547	3.949 0.52								1.0
AL02AHN		61	290	ES		1547	3.018 0.67								1.0
AL05AHZ		63	156	EP		1547	3.566-0.23								1.0
AL05AHE		63	156	ES		1547	3.760 0.76								1.0
KBN	HZ	89	138	EP		1547	8.881 0.77								1.0
KBN	HE	89	138	ES		1547	0.998 0.19								1.0
KBN	HZ	89	138	IAML		1547	5.416			8	0.8				
VLO	HZ	97	211	EP		1547	9.969 0.56								1.0
VLO	HN	97	211	ES		1547	4.355 1.19								1.0
VLO	HZ	97	211	IAML		1547	7.932			196	0.5				
KKS	HZ	98	16	EP		1547	8.725-0.85								1.0
KKS	HN	98	16	ES		1547	2.653-0.80								1.0
TPE	HZ	103	183	EP		1547	1.149 0.74								1.0
TPE	HE	103	183	ES		1547	5.136 0.17								1.0
TPE	HZ	103	183	IAML		1547	7.887			88	0.4				
SDA	HZ	104	332	EP		1547	0.294-0.22								1.0
SDA	HN	104	332	ES		1547	5.582 0.42								1.0
SDA	HZ	104	332	IAML		1547	9.456			10	0.2				
NEST	HZ	121	137	EP		1547	3.931 0.48								1.0
NEST	HN	121	137	ES		1548	0.611 0.14								1.0
NEST	HZ	121	137	IAML		1548	4.446			34	0.4				
AL06AHZ		129	192	EP		1547	4.887 0.23								1.0
AL06AHN		129	192	ES		1548	2.585-0.07								1.0
SRN	HZ	149	183	EP		1547	7.941 0.09								1.0

SRN	HN	149	183	ES	1548	7.996	-0.45										1.0
SRN	HZ	149	183	IAML	1548	3.309		34	0.8								
PDG	HZ	150	333	EP	1547	7.627	-0.42										1.0
PDG	HN	150	333	ES	1548	7.959	-0.83										1.0
PDG	HZ	150	333	IAML	1548	8.965		53	0.4								
PVY	HZ	153	356	EP	1547	9.516	1.01										1.0
PVY	HN	153	356	ES	1548	9.833	0.20										1.0
PEJK	HZ	159	6	EP	1547	9.385	0.02										0.9
PEJK	HE	159	6	ES	1548	1.281	0.10										0.9
KEK	HZ	169	188	EP	1547	9.512	-1.16										0.9
KEK	HE	169	188	ES	1548	1.921	-1.63										0.9
KEK	HZ	169	188	IAML	1548	4.652		35	0.8								
KZN	HZ	175	125	EP	1547	2.183	0.69										0.9
KZN	HN	175	125	ES	1548	5.065	0.04										0.9
GMRK	HZ	185	30	EP	1547	3.056	0.24										0.9
GMRK	HE	185	30	ES	1548	7.286	-0.14										0.9
IGT	HZ	189	173	EP	1547	2.681	-0.50										0.9
IGT	HE	189	173	ES	1548	7.836	-0.25										0.9
IGT	HZ	189	173	IAML	1548	5.644		15	0.8								
ME05AHZ	190	317	EP	1547	2.630	-0.62											0.9
NKME	HZ	195	332	EP	1547	3.872	-0.20										0.9
SJES	BZ	227	358	EP	1547	9.504	1.36										0.9
SJES	BN	227	358	ES	1548	8.434	1.37										0.9
SJES	BZ	227	358	IAML	1548	2.501		149	0.7								
BARS	BZ	228	38	EP	1547	8.478	0.28										0.9
ME02AHZ	229	340	EP	1547	8.973	0.50											0.9

**September 25 2023 Hour: 17:59 16.6 Lat: 38.71N Lon: 20.60E D: 5.4 Ag: TIR Local**  
**Magnitudes: 2.6ML TIR 3.2MW TIR Rms: 0.6 secs**

**111 km S of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LKD2	HZ	10	27	EP		1759	9.086	0.40							1.0
LKD2	HN	10	27	ES		1759	0.514	0.16							1.0
VLS	HZ	59	181	EP		1759	6.988	-0.23							1.0
VLS	HN	59	181	ES		1759	6.267	0.46							1.0
IGT	HZ	94	346	EP		1759	2.636	-0.80							1.0
IGT	HN	94	346	ES		1759	7.616	0.57							1.0
IGT	HZ	94	346	IAML		1759	1.699		65	0.1					
KEK	HZ	131	328	EP		1759	9.799	0.20							1.0
KEK	HN	131	328	ES		1759	7.463	-0.75							1.0
KEK	HZ	131	328	IAML		1800	6.082		74	0.9					
SRN	HZ	140	338	EP		1759	1.003	-0.02							1.0
SRN	HN	140	338	ES		1800	1.016	0.22							1.0
SRN	HZ	140	338	IAML		1800	9.189		42	0.6					
THL	HZ	154	52	EP		1759	2.581	-0.85							1.0
THL	HN	154	52	ES		1800	4.937	-0.22							1.0
TPE	HZ	183	344	EP		1759	7.848	-0.21							0.9
TPE	HN	183	344	ES		1800	4.120	0.60							0.9
TPE	HZ	183	344	IAML		1800	8.424		47	0.6					
NEST	HZ	193	11	EP		1759	0.061	0.63							0.9
NEST	HN	193	11	ES		1800	7.278	1.26							0.9
NEST	HZ	193	11	IAML		1800	4.572		24	1.3					
ITM	HZ	206	145	EP		1759	0.906	-0.06							0.9
PHP	HZ	331	358	EP		1800	6.290	-0.73							0.8
PHP	HN	331	358	ES		1800	6.814	-1.04							0.8
PHP	HZ	331	358	IAML		1800	1.890		8	0.9					

**September 26 2023 Hour: 11:45 21.6 Lat: 38.72N Lon: 20.59E D: 11.2 Ag: TIR Local**  
**Magnitudes: 2.9ML TIR 3.7MW TIR Rms: 0.7 secs**

**110 km S of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LKD2	HZ	9	36	EP		1145	4.279	0.03							1.0
LKD2	HN	9	36	ES		1145	6.123	-0.28							1.0
VLS	HZ	60	180	EP		1145	2.220	-0.17							1.0

VLS	HN	60	180	ES	1145	0.228-0.91			1.0
KEK	HZ	130	328	EP	1145	4.260 0.30			1.0
KEK	HN	130	328	ES	1146	2.463 0.39			1.0
KEK	HZ	130	328	IAML	1146	7.334	132	0.6	
SRN	HZ	139	338	EP	1145	6.152 0.76			1.0
SRN	HN	139	338	ES	1146	4.821 0.16			1.0
SRN	HZ	139	338	IAML	1146	5.100	44	0.5	
THL	HZ	154	52	EP	1145	7.790-0.24			1.0
THL	HE	154	52	ES	1146	9.472 0.03			1.0
AL06AHZ		168	335	EP	1145	0.369 0.04			0.9
AL06AHN		168	335	ES	1146	3.475-0.13			0.9
TPE	HZ	182	344	EP	1145	2.569 0.44			0.9
TPE	HN	182	344	ES	1146	6.633-0.24			0.9
TPE	HZ	182	344	IAML	1146	4.793	114	0.7	
NEST	HZ	192	12	EP	1145	5.191 1.63			0.9
NEST	HN	192	12	ES	1146	8.958-0.49			0.9
NEST	HZ	192	12	IAML	1146	9.377	32	0.4	
KZN	HZ	203	30	EP	1145	5.448 0.50			0.9
KZN	HN	203	30	ES	1146	2.409 0.45			0.9
ITM	HZ	207	145	EP	1145	6.418 0.98			0.9
ITM	HE	207	145	ES	1146	4.045 1.19			0.9
AL05AHZ		221	356	EP	1145	6.739-0.47			0.9
BERA	HZ	227	346	EP	1145	7.768-0.14			0.9
BERA	HN	227	346	ES	1146	6.827-0.50			0.9
BERA	HZ	227	346	IAML	1146	5.968	35	0.3	
SCTE	HZ	237	310	EP	1145	7.602-1.59			0.9
PLG	HZ	306	52	EP	1146	7.311-0.80			0.8
PLG	HN	306	52	ES	1146	4.329-1.45			0.8