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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 ( $0.5 \times (\text{peak to peak})$ ), (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 M<sub>l</sub> 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>.

**December 1 2022 Hour: 1:27 42.3 Lat: 39.33N Lon: 21.48E D: 3.6 Ag: TIR Local**  
**Magnitudes: 2.1ML TIR Rms: 0.3 secs**  
**117 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
THL	HZ	53	60	EP		0127	1.367	-0.31							1.0
THL	HN	53	60	ES		0127	9.359	0.06							1.0
JAN	HZ	65	304	EP		0127	3.797	-0.15							1.0
JAN	HN	65	304	ES		0128	3.431	0.02							1.0
LKD2	HZ	93	230	EP		0127	8.741	-0.23							1.0
LKD2	HE	93	230	ES		0128	2.837	0.34							1.0
KZN	HZ	111	13	EP		0128	2.188	0.17							1.0
KZN	HN	111	13	ES		0128	7.873	-0.14							1.0
LSK	HZ	118	320	EP		0128	3.248	0.01							1.0
LSK	HN	118	320	ES		0128	0.275	0.06							1.0
LSK	HZ	118	320	IAML		0128	8.770			20	1.6				1.0
NEST	HZ	126	343	EP		0128	4.412	-0.09							1.0
NEST	HE	126	343	ES		0128	2.956	0.45							1.0
NEST	HZ	126	343	IAML		0128	8.187			17	1.4				1.0
KEK	HZ	151	287	EP		0128	9.190	0.57							1.0
KEK	HN	151	287	ES		0128	9.199	-0.76							1.0
KEK	HZ	151	287	IAML		0128	9.408			41	1.6				1.0

**December 1 2022 Hour: 9:27 33.9 Lat: 41.86N Lon: 20.03E D: 21.3 Ag: TIR Local**  
**Magnitudes: 2.4ML TIR 2.9MW TIR Rms: 0.2 secs**  
**16 km NE of Reshen**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PUK	HZ	23	331	EP		0927	9.432	0.03							1.0
PUK	HN	23	331	ES		0927	3.856	-0.01							1.0
PUK	HZ	23	331	IAML		0927	6.246			221	0.2				1.0
PHP	HZ	40	120	EP		0927	1.967	0.24							1.0
PHP	HN	40	120	ES		0927	7.879	-0.20							1.0
PHP	HZ	40	120	IAML		0927	9.443			130	0.3				1.0
SDA	HZ	48	296	EP		0927	3.284	0.29							1.0
SDA	HE	48	296	ES		0927	0.229	-0.13							1.0
SDA	HZ	48	296	IAML		0927	0.855			63	0.1				1.0
BCI	HZ	56	3	EP		0927	3.931	-0.32							1.0
BCI	HN	56	3	ES		0927	2.902	0.25							1.0
BCI	HZ	56	3	IAML		0927	4.784			90	0.2				1.0
TIR	HZ	59	193	EP		0927	4.536	-0.12							1.0
TIR	HE	59	193	ES		0927	3.493	0.11							1.0
TIR	HZ	59	193	IAML		0927	7.379			64	0.3				1.0
PDG	HZ	89	315	EP		0927	9.589	-0.02							1.0
PDG	HN	89	315	ES		0928	2.234	-0.12							1.0
PDG	HZ	89	315	IAML		0928	5.201			63	0.3				1.0

**December 1 2022 Hour: 9:41 32.7 Lat: 40.37N Lon: 21.40E D: 14.8 Ag: TIR Local**  
**Magnitudes: 2.5ML TIR 3.0MW TIR Rms: 0.4 secs**  
**44 km SE of Bilisht**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PENT	HZ	29	228	EP		0941	8.609	0.04							1.0
PENT	HE	29	228	ES		0941	3.499	0.18							1.0
NEST	HZ	30	279	EP		0941	8.836	0.18							1.0
NEST	HN	30	279	ES		0941	3.574	0.11							1.0
NEST	HZ	30	279	IAML		0941	4.146			505	0.2				1.0
KZN	HZ	33	103	EP		0941	9.061	-0.00							1.0
KZN	HE	33	103	ES		0941	4.119	-0.08							1.0
KBN	HZ	59	299	EP		0941	3.095	-0.21							1.0
KBN	HN	59	299	ES		0941	2.163	0.28							1.0
KBN	HZ	59	299	IAML		0941	4.215			108	0.4				1.0
LSK	HZ	72	250	EP		0941	5.295	-0.25							1.0
LSK	HN	72	250	ES		0941	5.055	-0.88							1.0
LSK	HZ	72	250	IAML		0941	9.374			79	0.3				1.0
JAN	HZ	92	211	EP		0941	8.394	-0.42							1.0

JAN	HE	92	211	ES	0942	2.128	0.28										1.0
BERA	HZ	128	287	EP	0941	4.835	0.06										1.0
BERA	HE	128	287	ES	0942	2.787	0.14										1.0
BERA	HZ	128	287	IAML	0942	7.574		41	0.2								
SRN	HZ	131	246	EP	0941	5.645	0.39										1.0
SRN	HN	131	246	ES	0942	3.425	-0.08										1.0
SRN	HZ	131	246	IAML	0942	0.748		43	0.8								
KEK	HZ	155	242	EP	0941	9.404	0.21										1.0
KEK	HZ	155	242	IAML	0942	5.043		45	0.6								
PHP	HZ	167	331	EP	0942	0.182	-0.80										0.9
PHP	HZ	167	331	IAML	0942	1.937		29	0.4								
LKD2	HZ	187	200	EP	0942	3.924	0.37										0.9
LKD2	HE	187	200	ES	0942	8.564	0.03										0.9
PUK	HZ	224	326	EP	0942	9.005	0.58										0.9
PUK	HZ	224	326	IAML	0942	2.307		7	0.6								

**December 1 2022 Hour: 13:10 42.6 Lat: 38.78N Lon: 21.12E D: 24.3 Ag: TIR Local**  
**Magnitudes: 2.3ML TIR Rms: 0.3 secs**  
**126 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT	
LKD2	HZ	40	271	EP		1310	0.320	-0.34							1.0	
LKD2	HE	40	271	ES		1310	7.301	0.10							1.0	
VLS	HZ	82	214	EP		1310	7.032	-0.06							1.0	
VLS	HN	82	214	ES		1311	8.831	-0.01							1.0	
THL	HZ	116	42	EP		1311	3.085	0.58							1.0	
THL	HE	116	42	ES		1311	8.362	-0.28							1.0	
KEK	HZ	154	313	EP		1311	8.189	0.06							1.0	
PENT	HZ	157	1	EP		1311	8.377	-0.26							1.0	
PENT	HE	157	1	ES		1311	9.381	-0.35							1.0	
LSK	HZ	158	344	EP		1311	8.976	0.19							0.9	
LSK	HN	158	344	ES		1311	0.440	0.43							0.9	
LSK	HZ	158	344	IAML		1311	8.407		16	1.0						
NEST	HZ	181	358	EP		1311	1.974	0.22							0.9	
NEST	HE	181	358	ES		1311	5.118	-0.26							0.9	

**December 1 2022 Hour: 18:59 47.8 Lat: 39.21N Lon: 21.42E D: 41.0 Ag: TIR Local**  
**Magnitudes: 2.0ML TIR Rms: 0.3 secs**  
**117 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LKD2	HZ	80	235	EP		1900	3.070	0.57							1.0
LKD2	HN	80	235	ES		1900	4.006	-0.37							1.0
LSK	HZ	126	326	EP		1900	8.716	0.32							1.0
LSK	HN	126	326	ES		1900	5.067	0.02							1.0
LSK	HZ	126	326	IAML		1900	1.583		11	1.5					
VLS	HZ	135	212	EP		1900	9.186	-0.30							1.0
VLS	HN	135	212	ES		1900	7.158	0.14							1.0
NEST	HZ	138	347	EP		1900	9.265	-0.65							1.0
NEST	HE	138	347	ES		1900	7.957	0.16							1.0
NEST	HZ	138	347	IAML		1900	9.920		7	2.0					
KEK	HZ	150	292	EP		1900	1.635	0.24							1.0
KEK	HN	150	292	ES		1900	0.346	-0.14							1.0
KEK	HZ	150	292	IAML		1900	2.857		12	1.0					

**December 2 2022 Hour: 0:50 51.7 Lat: 39.68N Lon: 20.64E D: 16.6 Ag: TIR Local**  
**Magnitudes: 2.6ML TIR 3.2MW TIR Rms: 0.8 secs**  
**39 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
JAN	HZ	18	99	EP		0050	5.499	-0.58							1.0
JAN	HN	18	99	ES		0050	8.528	-1.06							1.0
LSK	HZ	52	356	EP		0051	1.093	-0.20							1.0
LSK	HN	52	356	ES		0051	9.202	0.16							1.0
LSK	HZ	52	356	IAML		0051	5.298		352	0.7					
SRN	HZ	59	292	EP		0051	1.770	-0.65							1.0
SRN	HN	59	292	ES		0051	1.655	0.59							1.0

SRN	HZ	59	292	IAML	0051	2.770			150	0.4				
PENT	HZ	71	36	EP	0051	4.222-0.19								1.0
PENT	HN	71	36	ES	0051	4.331-0.35								1.0
KEK	HZ	73	273	EP	0051	4.222-0.39								1.0
KEK	HE	73	273	ES	0051	4.926-0.12								1.0
KEK	HZ	73	273	IAML	0051	0.203			276	0.7				
NEST	HZ	88	23	EP	0051	7.344 0.06								1.0
NEST	HE	88	23	ES	0051	9.832-0.05								1.0
NEST	HZ	88	23	IAML	0051	3.994			105	0.4				
LKD2	HZ	99	179	EP	0051	9.871 0.83								1.0
LKD2	HN	99	179	ES	0051	3.932 0.88								1.0
KBN	HZ	105	7	EP	0051	9.500-0.57								1.0
KBN	HE	105	7	ES	0051	4.589-0.34								1.0
KBN	HZ	105	7	IAML	0051	1.650			60	0.5				
THL	HZ	118	96	EP	0051	2.101-0.11								1.0
THL	HE	118	96	ES	0051	8.955 0.16								1.0
KZN	HZ	119	54	EP	0051	2.092-0.21								1.0
VLO	HZ	131	312	EP	0051	4.746 0.40								1.0
VLO	HN	131	312	ES	0051	3.906 1.24								1.0
VLO	HZ	131	312	IAML	0051	2.779			139	0.4				
BPA2	HZ	145	323	EP	0051	7.545 0.91								1.0
VLS	HZ	167	182	EP	0051	0.168 0.33								0.9
VLS	HN	167	182	ES	0051	2.182-0.42								0.9
SCTE	HZ	191	284	EP	0051	2.510-0.39								0.9
SCTE	HN	191	284	ES	0051	4.610-3.52								0.9
TIR	HZ	196	341	EP	0051	4.372 0.80								0.9
TIR	HZ	196	341	IAML	0052	3.544			17	1.2				
PHP	HZ	223	356	EP	0051	7.448 0.40								0.9
PHP	HN	223	356	ES	0051	6.296 0.64								0.9
PHP	HZ	223	356	IAML	0052	2.911			16	1.0				
THE	HZ	224	61	EP	0051	6.859-0.25								0.9
PLG	HZ	251	71	EP	0051	0.761 0.14								0.9
PUK	HZ	270	347	EP	0051	4.330 1.27								0.9
PUK	HE	270	347	ES	0052	6.175-0.36								0.9
PUK	HZ	270	347	IAML	0052	9.282			8	0.6				
SDA	HZ	280	340	EP	0051	4.539 0.26								0.8
ITM	HZ	300	158	EP	0051	7.567 0.75								0.8
BCI	HZ	302	351	EP	0051	8.539 1.38								0.8
NVR	HZ	330	55	EP	0051	0.948 0.22								0.8
TIP	HZ	339	262	EP	0051	0.805-1.14								0.8

December 2 2022 Hour: 3:25 0.8 Lat: 39.43N Lon: 20.03E D: 15.3 Ag: TIR Local  
Magnitudes: 2.7ML TIR 3.5MW TIR Rms: 0.6 secs  
29 km SW of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KEK	HZ	37	328	EP		0325	7.519-0.38								1.0
KEK	HN	37	328	ES		0325	3.800 0.16								1.0
KEK	HZ	37	328	IAML		0325	5.491			512	0.3				
SRN	HZ	50	357	EP		0325	9.344-0.64								1.0
SRN	HE	50	357	ES		0325	7.968 0.55								1.0
SRN	HZ	50	357	IAML		0325	0.389			243	0.4				
JAN	HZ	75	70	EP		0325	3.378-0.74								1.0
JAN	HN	75	70	ES		0325	4.822-0.07								1.0
LKD2	HZ	89	142	EP		0325	7.220 0.76								1.0
LKD2	HN	89	142	ES		0325	9.485 0.35								1.0
LSK	HZ	94	31	EP		0325	6.355-0.92								1.0
LSK	HN	94	31	IS		0325	0.954 0.35								1.0
LSK	HZ	94	31	IAML		0325	0.847			76	0.4				
VLO	HZ	124	339	EP		0325	3.271 1.00								1.0
VLO	HZ	124	339	IAML		0325	7.859			72	0.8				
PENT	HZ	128	48	EP		0325	2.022-0.88								1.0
NEST	HZ	140	38	EP		0325	4.423-0.54								1.0
NEST	HZ	140	38	IAML		0325	0.452			58	0.7				
VLS	HZ	147	160	EP		0325	6.056 0.00								1.0

KBN	HZ	148	26	EP	0325	6.920	0.70								1.0
KBN	HN	148	26	ES	0325	7.077	0.27								1.0
KBN	HZ	148	26	IAML	0325	6.408			27	0.7					
BPA2	HZ	149	347	EP	0325	7.497	1.18								1.0
SCTE	HZ	152	299	EP	0325	6.536	-0.25								1.0
THL	HZ	172	84	EP	0325	9.898	0.31								0.9
KZN	HZ	178	56	EP	0325	1.242	0.69								0.9
TIR	HZ	214	356	EP	0325	5.469	0.45								0.9
PHP	HZ	253	8	EP	0325	0.271	0.14								0.9
TIP	HZ	283	265	EP	0325	3.248	-0.77								0.8
PUK	HZ	291	358	EP	0325	4.600	-0.38								0.8
SDA	HZ	295	351	EP	0325	5.264	-0.11								0.8
PLG	HZ	310	69	EP	0325	7.071	-0.39								0.8
BCI	HZ	327	1	EP	0325	9.252	-0.26								0.8
PDG	HZ	340	349	EP	0325	9.892	-1.26								0.8
MRVN	HZ	373	300	EP	0325	5.447	-0.06								0.8

**December 3 2022 Hour: 19:16 25.2 Lat: 41.83N Lon: 19.33E D: 15.7 Ag: TIR Local**  
**Magnitudes: 2.5ML TIR 2.8MW TIR Rms: 0.7 secs**  
**27 km W of Lezhe**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SDA	HZ	28	31	EP		1916	1.257	0.43							1.0
SDA	HN	28	31	ES		1916	6.043	0.68							1.0
SDA	HZ	28	31	IAML		1916	6.600			546	0.2				
PUK	HZ	52	63	EP		1916	4.638	-0.14							1.0
PUK	HN	52	63	ES		1916	2.870	0.36							1.0
PUK	HZ	52	63	IAML		1916	4.557			139	0.3				
PDG	HZ	66	355	EP		1916	6.673	-0.38							1.0
PDG	HN	66	355	ES		1916	6.526	-0.11							1.0
PDG	HZ	66	355	IAML		1916	9.127			109	0.4				
TIR	HZ	70	140	EP		1916	8.426	0.75							1.0
TIR	HE	70	140	ES		1916	7.972	0.21							1.0
TIR	HZ	70	140	IAML		1916	5.486			29	0.6				
BCI	HZ	85	46	EP		1916	9.852	-0.33							1.0
BCI	HE	85	46	ES		1916	1.960	-0.33							1.0
BCI	HZ	85	46	IAML		1916	5.901			85	0.5				
PHP	HZ	94	100	EP		1916	1.378	-0.29							1.0
PHP	HN	94	100	ES		1916	4.612	-0.37							1.0
PHP	HZ	94	100	IAML		1916	7.178			41	0.3				
BPA2	HZ	125	169	EP		1916	6.937	0.16							1.0
BPA2	HN	125	169	ES		1917	5.078	0.85							1.0
BERA	HZ	136	157	EP		1916	8.505	-0.11							1.0
BERA	HE	136	157	ES		1917	5.272	-2.29							1.0
BERA	HZ	136	157	IAML		1917	3.821			71	0.4				
KBN	HZ	182	137	EP		1916	5.535	0.19							0.9
KBN	HE	182	137	ES		1917	0.616	0.87							0.9
KBN	HZ	182	137	IAML		1917	5.351			11	0.7				
NEST	HZ	214	137	EP		1917	0.270	0.78							0.9
NEST	HN	214	137	ES		1917	6.988	-0.26							0.9
NEST	HZ	214	137	IAML		1917	5.963			11	0.8				
LSK	HZ	215	150	EP		1917	0.562	0.88							0.9
LSK	HN	215	150	ES		1917	8.151	0.55							0.9
LSK	HZ	215	150	IAML		1917	7.871			17	1.6				
NOCI	HZ	222	239	EP		1917	0.200	-0.30							0.9
SRN	HZ	224	165	EP		1917	0.728	0.02							0.9
SRN	HZ	224	165	IAML		1917	9.152			17	0.5				
BARS	BZ	232	61	EP		1917	2.050	0.27							0.9
BARS	BN	232	61	ES		1917	0.284	-1.10							0.9
PENT	HZ	237	139	EP		1917	3.448	0.95							0.9
KEK	HZ	239	170	EP		1917	1.858	-0.75							0.9
KEK	HZ	239	170	IAML		1917	3.329			44	1.1				
IGT	HZ	269	161	EP		1917	5.184	-1.33							0.9
IGT	HZ	269	161	IAML		1917	6.914			14	0.5				

December 5 2022 Hour: 3:38 21.3 Lat: 38.79N Lon: 20.95E D: 11.1 Ag: TIR Local  
 Magnitudes: 2.3ML TIR Rms: 0.7 secs  
 116 km SE of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LKD2	HZ	25	270	EP		0338	6.484	0.27							1.0
LKD2	HE	25	270	ES		0338	0.646	0.44							1.0
VLS	HZ	75	205	EP		0338	3.716	-0.77							1.0
VLS	HN	75	205	ES		0338	5.380	0.21							1.0
JAN	HZ	97	355	EP		0338	7.651	-0.45							1.0
JAN	HN	97	355	ES		0338	1.606	-0.12							1.0
IGT	HZ	98	327	EP		0338	7.525	-0.81							1.0
IGT	HN	98	327	ES		0338	2.545	0.41							1.0
IGT	HZ	98	327	IAML		0338	9.493			19	0.9				
THL	HZ	126	47	EP		0338	2.518	-0.49							1.0
THL	HE	126	47	ES		0339	0.625	0.02							1.0
KEK	HZ	142	316	EP		0338	6.881	1.14							1.0
KEK	HE	142	316	ES		0339	3.767	-1.79							1.0
KEK	HZ	142	316	IAML		0339	1.958			71	1.7				
SRN	HZ	146	326	EP		0338	6.783	0.49							1.0
SRN	HN	146	326	ES		0339	6.516	-0.04							1.0
SRN	HZ	146	326	IAML		0339	9.704			13	1.2				
LSK	HZ	154	349	EP		0338	7.494	-0.19							1.0
LSK	HN	154	349	ES		0339	9.408	0.34							1.0
LSK	HZ	154	349	IAML		0339	3.261			18	1.3				
NEST	HZ	181	3	EP		0338	2.568	0.79							0.9
NEST	HN	181	3	ES		0339	7.226	0.75							0.9
NEST	HZ	181	3	IAML		0339	3.684			14	2.3				

December 6 2022 Hour: 9:58 10.8 Lat: 41.87N Lon: 20.01E D: 17.6 Ag: TIR Local  
 Magnitudes: 2.5ML TIR 3.0MW TIR Rms: 0.5 secs  
 16 km NE of Reshen

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PUK	HZ	22	332	EP		0958	6.051	0.32							1.0
PUK	HE	22	332	ES		0958	9.911	0.17							1.0
PUK	HZ	22	332	IAML		0958	0.639			427	0.2				
PHP	HZ	41	120	EP		0958	8.420	-0.17							1.0
PHP	HN	41	120	ES		0958	4.665	-0.25							1.0
PHP	HZ	41	120	IAML		0958	5.554			157	0.3				
SDA	HZ	47	295	EP		0958	9.614	0.12							1.0
SDA	HN	47	295	ES		0958	6.333	-0.21							1.0
SDA	HZ	47	295	IAML		0958	7.180			97	0.1				
BCI	HZ	55	5	EP		0958	0.843	-0.01							1.0
BCI	HE	55	5	ES		0958	8.599	-0.41							1.0
BCI	HZ	55	5	IAML		0958	9.777			176	0.3				
TIR	HZ	59	192	EP		0958	1.789	0.27							1.0
TIR	HN	59	192	ES		0958	9.763	-0.45							1.0
TIR	HZ	59	192	IAML		0958	4.484			74	0.4				
PDG	HZ	88	315	EP		0958	5.682	-0.52							1.0
PDG	HZ	88	315	IAML		0958	1.451			88	0.2				
BERA	HZ	130	182	EP		0958	3.179	0.00							1.0
BERA	HN	130	182	ES		0958	1.368	0.06							1.0
BERA	HZ	130	182	IAML		0959	5.028			43	0.6				
BARS	BZ	182	54	EP		0958	0.645	-0.03							0.9
BARS	BE	182	54	ES		0959	4.738	-0.14							0.9
NEST	HZ	184	151	EP		0958	1.998	1.02							0.9
NEST	HN	184	151	ES		0959	4.515	-0.93							0.9
NEST	HZ	184	151	IAML		0959	9.287			17	0.7				
LSK	HZ	197	165	EP		0958	3.552	0.82							0.9
LSK	HN	197	165	ES		0959	7.746	-0.87							0.9
LSK	HZ	197	165	IAML		0959	9.551			25	0.7				
PENT	HZ	209	153	EP		0958	5.606	1.40							0.9
SRN	HZ	221	180	EP		0958	5.687	0.03							0.9
SRN	HN	221	180	ES		0959	3.648	-0.27							0.9

SRN	HZ	221	180	IAML	0959	1.085			14	0.7				
KZN	HZ	228	139	EP	0958	6.778	0.13							0.9
KZN	HN	228	139	ES	0959	5.872	0.17							0.9

**December 6 2022 Hour: 16:19 21.9 Lat: 39.46N Lon: 21.25E D: 3.0 Ag: TIR Local**  
**Magnitudes: 3.3ML TIR 3.8MW TIR Rms: 0.7 secs**  
**94 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
JAN	HZ	41	302	EP		1619	9.679	0.40							1.0
JAN	HN	41	302	ES		1619	4.277	-0.96							1.0
THL	HZ	66	80	EP		1619	4.738	0.97							1.0
THL	HN	66	80	ES		1619	3.139	-0.23							1.0
IGT	HZ	80	276	EP		1619	6.521	0.34							1.0
IGT	HN	80	276	ES		1619	7.234	-0.50							1.0
IGT	HZ	80	276	IAML		1619	7.384		397	1.4					
PENT	HZ	82	353	EP		1619	6.624	-0.00							1.0
PENT	HE	82	353	ES		1619	8.269	-0.27							1.0
LKD2	HZ	91	215	EP		1619	8.565	0.43							1.0
LKD2	HE	91	215	ES		1619	1.741	0.47							1.0
KZN	HZ	104	25	EP		1619	0.829	0.36							1.0
KZN	HE	104	25	ES		1619	5.257	-0.23							1.0
NEST	HZ	107	351	EP		1619	1.476	0.37							1.0
NEST	HE	107	351	ES		1619	5.840	-0.80							1.0
NEST	HZ	107	351	IAML		1620	7.568		399	0.4					
SRN	HZ	117	294	EP		1619	2.554	-0.14							1.0
SRN	HN	117	294	ES		1619	9.336	-0.18							1.0
SRN	HZ	117	294	IAML		1620	3.471		272	0.7					
KEK	HZ	128	283	EP		1619	4.711	0.18							1.0
KEK	HN	128	283	ES		1620	2.824	-0.02							1.0
KEK	HZ	128	283	IAML		1620	0.156		714	0.5					
KBN	HZ	135	343	EP		1619	5.573	-0.15							1.0
KBN	HE	135	343	ES		1620	4.657	-0.34							1.0
KBN	HZ	135	343	IAML		1620	6.841		230	0.8					
VLS	HZ	154	202	EP		1619	8.053	-0.73							1.0
VLS	HN	154	202	ES		1620	9.401	-1.14							1.0
BERA	HZ	177	321	EP		1619	3.121	0.43							0.9
BERA	HN	177	321	ES		1620	7.209	-0.41							0.9
BERA	HZ	177	321	IAML		1620	8.959		251	0.7					
VLO	HZ	187	307	EP		1619	4.451	0.27							0.9
VLO	HE	187	307	ES		1620	0.993	0.68							0.9
VLO	HZ	187	307	IAML		1620	6.741		277	0.8					
THE	HZ	195	48	EP		1619	4.255	-0.95							0.9
BPA2	HZ	198	316	EP		1619	6.242	0.67							0.9
PLG	HZ	213	61	EP		1619	6.149	-1.34							0.9
TIR	HZ	241	331	EP		1620	2.386	1.39							0.9
TIR	HZ	241	331	IAML		1620	9.156		49	0.6					
SCTE	HZ	248	287	EP		1620	1.411	-0.59							0.9
PHP	HZ	256	345	EP		1620	4.049	0.95							0.9
PHP	HZ	256	345	IAML		1620	6.198		64	1.1					
NVR	HZ	305	46	EP		1620	8.214	-1.10							0.8
PUK	HZ	309	339	EP		1620	0.726	0.86							0.8
PUK	HZ	309	339	IAML		1621	1.675		33	0.7					
SDA	HZ	324	333	EP		1620	2.303	0.68							0.8
SDA	HZ	324	333	IAML		1621	3.112		37	2.4					
BCI	HZ	338	343	EP		1620	4.661	1.14							0.8
PDG	HZ	370	334	EP		1620	7.801	0.22							0.8
PDG	HZ	370	334	IAML		1621	4.387		27	2.3					

**December 6 2022 Hour: 18:50 13.4 Lat: 40.61N Lon: 21.49E D: 11.1 Ag: TIR Local**  
**Magnitudes: 2.3ML TIR 2.7MW TIR Rms: 0.5 secs**  
**42 km E of Bilisht**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KZN	HZ	41	145	EP		1850	1.539	0.56							1.0
KZN	HE	41	145	ES		1850	6.922	-0.18							1.0
NEST	HZ	43	241	EP		1850	1.539	0.14							1.0
NEST	HN	43	241	ES		1850	7.733	-0.14							1.0
NEST	HZ	43	241	IAML		1850	9.387			203	0.3				1.0
PENT	HZ	55	214	EP		1850	3.179	-0.13							1.0
PENT	HE	55	214	ES		1850	0.473	-0.85							1.0
KBN	HZ	60	272	EP		1850	4.417	0.29							1.0
KBN	HN	60	272	ES		1850	2.167	-0.64							1.0
KBN	HZ	60	272	IAML		1850	3.990			157	0.4				1.0
JAN	HZ	119	208	EP		1850	3.795	-0.17							1.0
JAN	HE	119	208	ES		1850	0.754	0.14							1.0
THL	HZ	124	159	EP		1850	4.380	-0.40							1.0
THL	HN	124	159	ES		1850	2.093	-0.00							1.0
THE	HZ	125	88	EP		1850	4.775	-0.10							1.0
BERA	HZ	131	275	EP		1850	6.689	0.73							1.0
BERA	HE	131	275	ES		1850	4.644	0.43							1.0
BERA	HZ	131	275	IAML		1850	8.992			33	0.6				1.0
PHP	HZ	149	324	EP		1850	9.116	0.17							1.0
PHP	HN	149	324	ES		1850	8.215	-1.41							1.0
PHP	HZ	149	324	IAML		1851	4.893			12	0.7				1.0
SRN	HZ	151	238	EP		1850	0.133	0.93							1.0
SRN	HN	151	238	ES		1851	0.131	0.04							1.0
SRN	HZ	151	238	IAML		1851	7.501			16	1.5				1.0
IGT	HZ	155	220	EP		1850	0.516	0.54							1.0
IGT	HE	155	220	ES		1851	1.401	-0.10							1.0
IGT	HZ	155	220	IAML		1851	4.567			12	1.2				1.0
PLG	HZ	167	98	EP		1850	1.664	-0.39							0.9
KEK	HZ	175	236	EP		1850	3.961	0.83							0.9
KEK	HN	175	236	ES		1851	6.446	-0.76							0.9
KEK	HZ	175	236	IAML		1851	3.143			28	1.5				0.9
PUK	HZ	208	320	EP		1850	7.596	0.15							0.9
PUK	HN	208	320	ES		1851	5.535	0.53							0.9
PUK	HZ	208	320	IAML		1851	1.899			5	0.7				0.9
NVR	HZ	216	67	EP		1850	8.266	-0.12							0.9
SDA	HZ	231	314	EP		1850	0.371	0.08							0.9

**December 7 2022 Hour: 19:11 44.0 Lat: 39.47N Lon: 21.22E D: 1.5 Ag: TIR Local**  
**Magnitudes: 2.0ML TIR Rms: 0.3 secs**  
**91 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
JAN	HZ	38	303	EP		1911	0.594	-0.22							1.0
JAN	HE	38	303	ES		1911	6.367	0.02							1.0
THL	HZ	69	81	EP		1911	6.110	-0.20							1.0
THL	HN	69	81	ES		1912	6.465	0.19							1.0
IGT	HZ	77	276	EP		1911	7.629	-0.09							1.0
IGT	HN	77	276	ES		1912	8.916	0.07							1.0
IGT	HZ	77	276	IAML		1912	6.681			18	0.4				1.0
PENT	HZ	81	355	EP		1911	7.959	-0.52							1.0
PENT	HE	81	355	ES		1912	0.020	-0.19							1.0
LKD2	HZ	90	213	EP		1912	0.378	0.33							1.0
LKD2	HN	90	213	ES		1912	3.042	-0.01							1.0
KZN	HZ	104	27	EP		1912	3.207	0.60							1.0
KZN	HN	104	27	ES		1912	7.327	-0.36							1.0
NEST	HZ	106	352	EP		1912	3.347	0.40							1.0
NEST	HE	106	352	ES		1912	8.468	0.17							1.0
NEST	HZ	106	352	IAML		1912	1.835			15	0.4				1.0
SRN	HZ	114	294	EP		1912	3.736	-0.63							1.0
SRN	HE	114	294	ES		1912	0.662	-0.21							1.0

SRN	HZ	114	294	IAML	1912	4.893			14	0.4				
KEK	HZ	125	283	EP	1912	6.216	0.01							1.0
KEK	HN	125	283	ES	1912	4.597	0.40							1.0
KEK	HZ	125	283	IAML	1912	1.046			30	0.7				
VLS	HZ	154	201	EP	1912	1.151	0.24							1.0
VLS	HE	154	201	ES	1912	2.354	-0.36							1.0
BERA	HZ	175	322	EP	1912	4.487	0.03							0.9
BERA	HN	175	322	ES	1912	9.501	0.38							0.9
BERA	HZ	175	322	IAML	1912	1.712			21	0.9				

**December 8 2022 Hour: 17: 8 48.2 Lat: 39.79N Lon: 20.00E D: 10.0F Ag: TIR Local**  
**Magnitudes: 2.2ML TIR 3.0MW TIR Rms: 0.8 secs**  
**9 km S of Sarande**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRN	HZ	10	3	EP		1708	9.229	-1.52							1.0
SRN	HN	10	3	ES		1708	1.325	-1.50							1.0
SRN	HZ	10	3	IAML		1708	2.300			1049	0.5				
KEK	HZ	19	244	EP		1708	1.902	-0.10							1.0
KEK	HN	19	244	ES		1708	5.682	0.59							1.0
KEK	HZ	19	244	IAML		1708	7.609			299	0.3				
IGT	HZ	41	134	EP		1708	5.170	-0.49							1.0
IGT	HN	41	134	ES		1709	1.349	-0.36							1.0
IGT	HZ	41	134	IAML		1709	4.535			79	0.4				
JAN	HZ	75	101	EP		1709	0.783	-0.68							1.0
JAN	HN	75	101	ES		1709	2.062	-0.16							1.0
BERA	HZ	102	358	EP		1709	6.683	0.77							1.0
BERA	HN	102	358	ES		1709	1.114	0.85							1.0
BERA	HZ	102	358	IAML		1709	6.697			29	0.5				
PENT	HZ	108	65	EP		1709	6.909	-0.07							1.0
NEST	HZ	114	52	EP		1709	8.086	0.11							1.0
NEST	HE	114	52	ES		1709	4.531	0.53							1.0
NEST	HZ	114	52	IAML		1709	1.509			9	0.6				
THL	HZ	175	97	EP		1709	9.167	1.17							0.9
THL	HE	175	97	ES		1709	3.319	1.18							0.9

**December 8 2022 Hour: 18:41 43.4 Lat: 40.51N Lon: 21.04E D: 0.5 Ag: TIR Local**  
**Magnitudes: 2.0ML TIR Rms: 0.6 secs**  
**13 km S of Bilisht**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
NEST	HZ	11	176	EP		1841	4.872	-0.37							1.0
NEST	HN	11	176	ES		1841	6.347	-0.43							1.0
NEST	HZ	11	176	IAML		1841	6.831			488	0.1				
KBN	HZ	25	301	EP		1841	7.281	-0.53							1.0
KBN	HN	25	301	ES		1841	0.858	-0.56							1.0
KBN	HZ	25	301	IAML		1841	4.537			42	0.5				
PENT	HZ	36	166	EP		1841	9.018	-0.72							1.0
PENT	HN	36	166	ES		1841	4.534	-0.38							1.0
KZN	HZ	66	110	EP		1841	5.663	0.53							1.0
KZN	HN	66	110	ES		1842	5.295	0.61							1.0
SRN	HZ	113	232	EP		1842	4.357	0.87							1.0
SRN	HE	113	232	ES		1842	0.690	0.90							1.0
IGT	HZ	124	209	EP		1842	5.848	0.42							1.0
IGT	HN	124	209	ES		1842	3.599	0.29							1.0
IGT	HZ	124	209	IAML		1842	3.483			10	1.7				
THL	HZ	134	141	EP		1842	7.134	0.10							1.0
THL	HN	134	141	ES		1842	5.597	-0.62							1.0
KEK	HZ	138	231	EP		1842	8.403	0.68							1.0
KEK	HN	138	231	ES		1842	6.715	-0.75							1.0
KEK	HZ	138	231	IAML		1842	9.894			18	1.5				

**December 10 2022 Hour: 0:13 28.4 Lat: 39.49N Lon: 21.22E D: 15.0F Ag: TIR Local**  
**Magnitudes: 2.0ML TIR Rms: 0.6 secs**  
**90 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
JAN	HZ	37	301	EP		0013	4.690	-0.65							1.0
JAN	HN	37	301	ES		0013	0.010	-0.98							1.0
THL	HZ	69	83	EP		0013	0.904	0.30							1.0
THL	HN	69	83	ES		0013	0.055	-0.46							1.0
IGT	HZ	76	274	EP		0013	1.939	0.08							1.0
IGT	HN	76	274	ES		0013	2.106	-0.67							1.0
IGT	HZ	76	274	IAML		0013	5.949			6	0.5				
PENT	HZ	79	355	EP		0013	2.432	0.13							1.0
NEST	HZ	104	352	EP		0013	7.078	0.62							1.0
NEST	HE	104	352	ES		0014	0.832	-0.27							1.0
NEST	HZ	104	352	IAML		0014	5.807			22	2.8				
SRN	HZ	113	293	EP		0013	8.759	0.80							1.0
SRN	HE	113	293	ES		0014	4.948	1.13							1.0
SRN	HZ	113	293	IAML		0014	9.547			16	1.8				

**December 10 2022 Hour: 4:14 2.9 Lat: 40.74N Lon: 20.94E D: 15.0F Ag: TIR Local**  
**Magnitudes: 2.1ML TIR Rms: 0.9 secs**  
**6 km SE of Pustec**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KBN	HZ	19	225	EP		0401	6.369	-0.83							1.0
KBN	HE	19	225	ES		0401	8.666	-2.00							1.0
KBN	HZ	19	225	IAML		0401	9.052			154	0.5				
NEST	HZ	38	166	EP		0401	9.548	-0.53							1.0
NEST	HE	38	166	ES		0401	5.932	0.06							1.0
NEST	HZ	38	166	IAML		0401	6.767			129	0.2				
PENT	HZ	63	165	EP		0401	4.052	-0.19							1.0
PENT	HE	63	165	ES		0402	3.702	0.29							1.0
BERA	HZ	84	267	EP		0401	7.533	-0.12							1.0
BERA	HE	84	267	ES		0402	8.910	-0.67							1.0
BERA	HZ	84	267	IAML		0402	9.322			30	0.3				
KZN	HZ	85	124	EP		0401	7.486	-0.45							1.0
PHP	HZ	113	338	EP		0402	2.211	-0.26							1.0
PHP	HN	113	338	ES		0402	7.167	-1.13							1.0
PHP	HZ	113	338	IAML		0402	1.721			11	0.2				
SRN	HZ	125	220	EP		0402	4.795	0.35							1.0
SRN	HN	125	220	ES		0402	2.102	0.22							1.0
SRN	HZ	125	220	IAML		0402	9.992			15	0.8				
IGT	HZ	144	201	EP		0402	8.416	0.74							1.0
IGT	HN	144	201	ES		0402	9.519	1.80							1.0
THL	HZ	160	145	EP		0402	9.802	-0.33							0.9
PUK	HZ	169	329	EP		0402	1.206	-0.29							0.9
PUK	HN	169	329	ES		0402	4.992	0.36							0.9
SDA	HZ	189	321	EP		0402	5.521	1.60							0.9
SDA	HE	189	321	ES		0402	1.096	2.07							0.9

**December 10 2022 Hour: 9:43 54.0 Lat: 41.83N Lon: 20.67E D: 4.5 Ag: TIR Local**  
**Magnitudes: 2.1ML TIR Rms: 0.5 secs**  
**25 km NE of Peshkopi**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PHP	HZ	25	229	EP		0943	8.828	0.27							1.0
PHP	HN	25	229	ES		0944	1.759	-0.51							1.0
PHP	HZ	25	229	IAML		0944	1.824			385	0.2				
PUK	HZ	68	290	EP		0944	6.248	0.02							1.0
PUK	HN	68	290	ES		0944	5.752	-0.41							1.0
PUK	HZ	68	290	IAML		0944	0.384			18	0.1				
BCI	HZ	77	320	EP		0944	7.492	-0.32							1.0
BCI	HN	77	320	ES		0944	9.076	0.05							1.0
BCI	HZ	77	320	IAML		0944	4.401			24	0.2				
SDA	HZ	100	284	EP		0944	2.081	0.34							1.0



SDA HZ 216 325 EP 1118 4.001-0.86 0.9  
 SDA HE 216 325 ES 1119 3.079-0.11 0.9

**December 11 2022 Hour: 8:39 37.9 Lat: 39.32N Lon: 20.46E D: 5.9 Ag: TIR Local**  
**Magnitudes: 2.8ML TIR Rms: 0.5 secs**

**45 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	26	335	EP		0839	2.457	-0.33							1.0
IGT	HZ	26	335	IAML		0839	0.610			824	0.4				
JAN	HZ	50	41	EP		0839	6.703	-0.28							1.0
JAN	HN	50	41	ES		0839	4.818	0.50							1.0
LKD2	HZ	61	164	EP		0839	9.073	0.18							1.0
KEK	HZ	72	308	EP		0839	0.663	-0.20							1.0
KEK	HE	72	308	ES		0840	0.808	-0.53							1.0
KEK	HZ	72	308	IAML		0840	1.100			267	0.5				
SRN	HZ	74	328	EP		0839	1.275	0.07							1.0
SRN	HN	74	328	ES		0840	2.035	0.08							1.0
SRN	HZ	74	328	IAML		0840	9.989			74	0.8				
PENT	HZ	113	30	EP		0839	7.599	-0.33							1.0
PENT	HN	113	30	ES		0840	4.309	0.18							1.0
VLS	HZ	127	175	EP		0840	0.762	0.60							1.0
VLS	HE	127	175	ES		0840	7.975	-0.19							1.0
NEST	HZ	132	22	EP		0840	0.703	-0.28							1.0
NEST	HE	132	22	ES		0840	0.163	0.51							1.0
NEST	HZ	132	22	IAML		0840	4.964			65	0.5				
THL	HZ	136	78	EP		0840	2.501	0.82							1.0
THL	HN	136	78	ES		0840	9.504	-1.41							1.0
BERA	HZ	160	344	EP		0840	6.238	0.61							0.9
BERA	HN	160	344	ES		0840	8.104	0.03							0.9

**December 11 2022 Hour: 13: 4 50.5 Lat: 38.60N Lon: 20.26E D: 9.7 Ag: TIR Local**  
**Magnitudes: 2.0ML TIR Rms: 0.4 secs**

**117 km S of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LKD2	HZ	40	59	EP		1304	7.490	-0.37							1.0
LKD2	HE	40	59	ES		1305	4.068	0.23							1.0
VLS	HZ	55	149	EP		1305	0.126	-0.34							1.0
VLS	HE	55	149	ES		1305	8.768	0.21							1.0
IGT	HZ	103	3	EP		1305	8.629	0.10							1.0
IGT	HE	103	3	ES		1305	2.827	-0.33							1.0
IGT	HZ	103	3	IAML		1305	7.474			17	0.4				
KEK	HZ	130	342	EP		1305	2.604	-0.30							1.0
SRN	HZ	144	351	EP		1305	6.053	0.84							1.0

**December 11 2022 Hour: 17:45 1.9 Lat: 39.47N Lon: 21.24E D: 2.7 Ag: TIR Local**  
**Magnitudes: 2.4ML TIR Rms: 0.4 secs**

**93 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
JAN	HZ	40	302	EP		1745	8.997	-0.07							1.0
JAN	HN	40	302	ES		1745	4.375	-0.48							1.0
THL	HZ	67	80	EP		1745	3.904	-0.03							1.0
THL	HE	67	80	ES		1745	3.899	0.24							1.0
IGT	HZ	79	276	EP		1745	5.829	-0.15							1.0
IGT	HN	79	276	ES		1745	7.089	-0.29							1.0
IGT	HZ	79	276	IAML		1745	9.916			27	0.2				
PENT	HZ	82	354	EP		1745	6.379	-0.14							1.0
PENT	HN	82	354	ES		1745	8.190	-0.15							1.0
LKD2	HZ	91	214	EP		1745	8.140	0.05							1.0
LKD2	HE	91	214	ES		1745	1.074	-0.12							1.0
KZN	HZ	104	26	EP		1745	0.444	-0.02							1.0
KZN	HN	104	26	ES		1745	5.744	0.26							1.0
NEST	HZ	107	351	EP		1745	1.462	0.47							1.0
NEST	HN	107	351	ES		1745	6.709	0.26							1.0
NEST	HZ	107	351	IAML		1745	6.506			18	0.4				

SRN	HZ	116	294	EP		1745	2.630	0.11									1.0
SRN	HE	116	294	ES		1745	9.517	0.31									1.0
SRN	HZ	116	294	IAML		1745	2.639		36	0.7							
KEK	HZ	127	283	EP		1745	4.642	0.28									1.0
KEK	HN	127	283	ES		1745	2.779	0.23									1.0
KEK	HZ	127	283	IAML		1745	9.617		34	0.3							
VLS	HZ	154	202	EP		1745	8.770	-0.04									1.0
VLS	HE	154	202	ES		1745	1.030	0.43									1.0
BERA	HZ	176	322	EP		1745	2.540	-0.00									0.9
BERA	HZ	176	322	IAML		1746	8.894		24	0.8							
PLG	HZ	213	61	EP		1745	6.321	-1.30									0.9

**December 11 2022 Hour: 20:27 51.9 Lat: 39.46N Lon: 21.22E D: 2.2 Ag: TIR Local**  
**Magnitudes: 2.0ML TIR Rms: 0.4 secs**  
**91 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT	
JAN	HZ	38	304	EP		2027	8.659	-0.08							1.0	
JAN	HN	38	304	ES		2028	4.009	-0.28							1.0	
THL	HZ	69	80	EP		2028	4.008	-0.26							1.0	
THL	HE	69	80	ES		2028	4.571	0.27							1.0	
IGT	HZ	77	276	EP		2028	5.205	-0.37							1.0	
IGT	HN	77	276	ES		2028	6.402	-0.26							1.0	
IGT	HZ	77	276	IAML		2028	9.585		20	0.2						
PENT	HZ	82	355	EP		2028	6.418	-0.07							1.0	
LKD2	HZ	89	213	EP		2028	7.995	0.19							1.0	
LKD2	HE	89	213	ES		2028	1.085	0.38							1.0	
KZN	HZ	105	27	EP		2028	0.990	0.36							1.0	
KZN	HE	105	27	ES		2028	6.002	0.18							1.0	
NEST	HZ	107	352	EP		2028	0.682	-0.27							1.0	
NEST	HE	107	352	ES		2028	6.449	0.05							1.0	
NEST	HZ	107	352	IAML		2028	4.872		16	0.6						
SRN	HZ	114	294	EP		2028	2.328	0.12							1.0	
SRN	HN	114	294	ES		2028	8.724	0.05							1.0	
SRN	HZ	114	294	IAML		2028	1.525		20	0.9						
KEK	HZ	125	283	EP		2028	4.242	0.22							1.0	
KEK	HE	125	283	ES		2028	1.830	-0.13							1.0	
KEK	HZ	125	283	IAML		2028	9.107		26	0.6						
BERA	HZ	175	322	EP		2028	2.275	-0.08							0.9	
BERA	HN	175	322	ES		2028	7.884	0.85							0.9	
PLG	HZ	215	61	EP		2028	6.930	-0.96							0.9	

**December 13 2022 Hour: 13: 4 0.8 Lat: 40.46N Lon: 21.00E D: 12.4 Ag: TIR Local**  
**Magnitudes: 3.2ML TIR 3.6MW TIR Rms: 0.5 secs**  
**18 km S of Bilisht**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT	
NEST	HZ	7	135	EP	C	1304	3.686	0.28							1.0	
NEST	HN	7	135	ES		1304	5.435	-0.13							1.0	
NEST	HZ	7	135	IAML		1304	5.589		33937	0.1						
KBN	HZ	26	317	EP	C	1304	5.480	-0.37							1.0	
KBN	HN	26	317	ES		1304	9.459	-0.52							1.0	
KBN	HZ	26	317	IAML		1304	9.783		1816	0.2						
PENT	HZ	31	157	EP		1304	7.202	0.39							1.0	
PENT	HN	31	157	ES		1304	2.096	0.39							1.0	
KZN	HZ	68	104	EP		1304	3.319	0.47							1.0	
KZN	HN	68	104	ES		1304	2.971	0.32							1.0	
TPE	HZ	85	258	EP		1304	4.980	-0.68							1.0	
TPE	HE	85	258	ES		1304	8.109	0.38							1.0	
TPE	HZ	85	258	IAML		1304	4.692		221	0.3						
JAN	HZ	90	188	EP		1304	5.847	-0.59							1.0	
JAN	HE	90	188	ES		1304	8.257	-0.88							1.0	
BERA	HZ	93	288	EP	C	1304	6.093	-0.82							0.2	
BERA	HZ	93	288	IAML		1304	5.505		332	0.5						
SRN	HZ	106	233	EP		1304	9.077	-0.08							1.0	
SRN	HE	106	233	ES		1304	3.858	-0.20							1.0	

SRN	HZ	106	233	IAML		1304	6.840			154	0.6			
IGT	HZ	117	209	EP		1304	1.037	0.03						1.0
VLO	HZ	127	271	EP		1304	3.298	0.64						1.0
VLO	HE	127	271	ES		1304	0.760	0.36						1.0
VLO	HZ	127	271	IAML		1304	2.689			257	0.5			
KEK	HZ	131	231	EP	C	1304	3.432	0.08						1.0
KEK	HN	131	231	ES		1304	1.656	0.01						1.0
KEK	HZ	131	231	IAML		1304	4.241			229	0.7			
THL	HZ	132	138	EP	C	1304	3.411	-0.03						1.0
THL	HN	132	138	ES		1304	1.953	0.14						1.0
TIR	HZ	137	316	EP		1304	4.500	0.14						1.0
TIR	HN	137	316	ES		1304	4.057	0.57						1.0
TIR	HZ	137	316	IAML		1304	0.991			92	0.5			
PHP	HZ	144	341	EP		1304	5.235	-0.29						1.0
PHP	HN	144	341	ES		1304	5.288	-0.31						1.0
PHP	HZ	144	341	IAML		1304	0.475			218	0.4			
THE	HZ	168	83	EP		1304	9.488	0.10						0.9
THE	HN	168	83	ES		1304	1.870	-0.71						0.9
THE	HZ	168	83	IAML		1304	8.903			65	0.6			
LACI	HZ	169	321	EP		1304	9.414	-0.15						0.9
LACI	HN	169	321	ES		1304	3.418	0.52						0.9
LACI	HZ	169	321	IAML		1304	5.372			176	0.8			
LKD2	HZ	187	189	EP		1304	2.870	0.95						0.9
PUK	HZ	199	333	EP		1304	4.021	0.57						0.9
PUK	HZ	199	333	IAML		1305	9.879			75	0.4			
PLG	HZ	208	92	EP		1304	4.859	0.27						0.9
SDA	HZ	217	325	EP		1304	7.174	1.54						0.4
SDA	HN	217	325	ES		1305	4.204	0.31						0.9
SDA	HZ	217	325	IAML		1305	7.223			43	0.5			
SCTE	HZ	219	260	EP		1304	5.583	-0.37						0.9
BCI	HZ	226	340	EP		1304	6.541	-0.32						0.9
BCI	HE	226	340	ES		1305	5.999	-0.10						0.9
BCI	HZ	226	340	IAML		1305	3.891			146	0.5			
VLS	HZ	255	188	EP		1304	0.481	-0.14						0.9
NVR	HZ	261	67	EP		1304	1.288	-0.13						0.9
PDG	HZ	263	327	EP		1304	1.514	-0.01						0.9
PDG	HN	263	327	ES		1305	4.351	-0.19						0.9
PDG	HZ	263	327	IAML		1305	2.290			59	0.7			
BARS	BZ	271	14	EP		1304	2.437	-0.18						0.9
SJES	BZ	323	345	EP		1304	9.349	-0.04						0.8
NOCI	HZ	335	278	EP		1304	9.886	-0.90						0.8
RDO	HZ	391	77	EP		1304	7.255	-0.69						0.7
MRVN	HZ	411	281	EP		1305	0.988	0.42						0.7

**December 13 2022 Hour: 14:51 38.6 Lat: 40.49N Lon: 21.02E D: 10.0F Ag: TIR Local**  
**Magnitudes: 2.1ML TIR 2.5MW TIR Rms: 0.4 secs**  
**15 km S of Bilisht**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
NEST	HZ	9	162	EP		1451	0.373	0.24							1.0
NEST	HN	9	162	ES		1451	1.805	0.40							1.0
NEST	HZ	9	162	IAML		1451	2.515			1130	0.1				
KBN	HZ	25	307	EP		1451	2.508	-0.45							1.0
KBN	HN	25	307	ES		1451	6.309	-0.20							1.0
KBN	HZ	25	307	IAML		1451	7.000			142	0.2				
PENT	HZ	34	162	EP		1451	3.894	-0.78							1.0
PENT	HN	34	162	ES		1451	9.805	0.19							1.0
KZN	HZ	67	107	EP		1451	0.615	0.06							1.0
KZN	HN	67	107	ES		1452	0.249	-0.01							1.0
SRN	HZ	110	232	EP		1451	8.345	0.15							1.0
SRN	HN	110	232	ES		1452	3.155	-0.94							1.0
IGT	HZ	121	209	EP		1451	9.944	-0.27							1.0
IGT	HN	121	209	ES		1452	8.398	0.66							1.0
IGT	HZ	121	209	IAML		1452	1.429			15	0.2				
THL	HZ	133	140	EP		1452	1.810	-0.40							1.0

THL	HN	133	140	ES		1452	1.058	-0.30									1.0
KEK	HZ	135	231	EP		1452	2.946	0.44									1.0
KEK	HN	135	231	ES		1452	2.219	0.33									1.0
KEK	HZ	135	231	IAML		1452	5.282			17	1.0						
PUK	HZ	197	332	EP		1452	3.076	0.59									0.9
PUK	HN	197	332	ES		1452	0.394	0.44									0.9
PUK	HZ	197	332	IAML		1452	3.484			4	0.3						

**December 13 2022 Hour: 23:33 45.3 Lat: 39.40N Lon: 20.55E D: 10.5 Ag: TIR Local**  
**Magnitudes: 2.1ML TIR Rms: 0.2 secs**  
**42 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	24	309	EP		2333	0.016	0.05							1.0
IGT	HN	24	309	ES		2333	3.718	-0.04							1.0
IGT	HZ	24	309	IAML		2333	4.062			223	0.1				
JAN	HZ	39	42	EP		2333	2.607	0.15							1.0
JAN	HN	39	42	ES		2333	8.160	-0.11							1.0
LKD2	HZ	68	172	EP		2333	7.472	0.03							1.0
LKD2	HN	68	172	ES		2334	6.833	-0.46							1.0
SRN	HZ	71	319	EP		2333	7.764	-0.13							1.0
SRN	HE	71	319	ES		2334	8.058	-0.05							1.0
SRN	HZ	71	319	IAML		2334	2.046			11	0.2				
KEK	HZ	73	299	EP		2333	7.990	-0.27							1.0
KEK	HE	73	299	ES		2334	8.854	0.07							1.0
KEK	HZ	73	299	IAML		2334	4.851			25	0.2				
PENT	HZ	102	29	EP		2334	2.889	-0.18							1.0
NEST	HZ	121	21	EP		2334	6.095	-0.09							1.0
NEST	HN	121	21	ES		2334	3.208	0.09							1.0
NEST	HZ	121	21	IAML		2334	0.074			18	0.7				
THL	HZ	127	81	EP		2334	7.285	0.03							1.0
VLS	HZ	136	179	EP		2334	8.806	0.16							1.0
VLS	HN	136	179	ES		2334	7.959	0.38							1.0
BERA	HZ	154	341	EP		2334	2.068	0.45							1.0
BERA	HZ	154	341	IAML		2334	0.763			18	0.4				

**December 14 2022 Hour: 6:4 32.9 Lat: 39.47N Lon: 21.22E D: 2.8 Ag: TIR Local**  
**Magnitudes: 2.8ML TIR 3.3MW TIR Rms: 0.2 secs**  
**91 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
JAN	HZ	38	304	EP		0604	9.986	0.26							1.0
JAN	HN	38	304	ES		0604	5.222	-0.01							1.0
THL	HZ	69	81	EP		0604	5.077	-0.23							1.0
THL	HN	69	81	ES		0604	5.396	0.06							1.0
IGT	HZ	77	276	EP		0604	6.623	0.00							1.0
IGT	HN	77	276	ES		0604	7.308	-0.40							1.0
IGT	HZ	77	276	IAML		0605	0.319			167	0.2				
PENT	HZ	81	355	EP		0604	7.388	-0.03							1.0
PENT	HN	81	355	ES		0604	9.300	0.15							1.0
LKD2	HZ	90	213	EP		0604	8.820	-0.16							1.0
LKD2	HN	90	213	ES		0605	2.055	0.09							1.0
KZN	HZ	104	27	EP		0604	1.564	-0.01							1.0
KZN	HN	104	27	ES		0605	6.650	-0.02							1.0
NEST	HZ	106	352	EP		0604	2.264	0.38							1.0
NEST	HN	106	352	ES		0605	7.211	-0.01							1.0
NEST	HZ	106	352	IAML		0605	3.234			131	0.6				
SRN	HZ	114	294	EP		0604	2.654	-0.52							1.0
SRN	HN	114	294	ES		0605	9.403	-0.17							1.0
SRN	HZ	114	294	IAML		0605	9.313			58	0.4				
KEK	HZ	125	283	EP		0604	5.201	0.19							1.0
KEK	HN	125	283	ES		0605	3.548	0.66							1.0
KEK	HZ	125	283	IAML		0605	0.604			158	0.3				
KBN	HZ	133	344	EP		0604	6.191	-0.26							1.0
KBN	HN	133	344	ES		0605	5.375	-0.12							1.0
KBN	HZ	133	344	IAML		0605	2.984			61	0.5				

VLS	HZ	153	201	EP		0605	0.038	0.27									1.0
VLS	HE	153	201	ES		0605	1.366	-0.13									1.0
BERA	HZ	175	322	EP		0605	3.422	0.15									0.9
BERA	HN	175	322	ES		0605	7.545	-0.30									0.9
BERA	HZ	175	322	IAML		0605	1.709			96	0.5						
PLG	HZ	215	61	EP		0605	8.740	-0.09									0.9
PHP	HZ	255	345	EP		0605	4.286	0.36									0.9
PHP	HN	255	345	ES		0605	7.082	-0.04									0.9
PHP	HZ	255	345	IAML		0605	6.722			21	0.6						
LACI	HZ	272	333	EP		0605	6.092	0.00									0.9
LACI	HZ	272	333	IAML		0606	2.720			74	2.1						
PUK	HZ	307	339	EP		0605	0.656	0.01									0.8
PUK	HZ	307	339	IAML		0606	9.119			11	0.5						

**December 14 2022 Hour: 7:49 49.6 Lat: 39.49N Lon: 21.22E D: 4.1 Ag: TIR Local**  
**Magnitudes: 2.0ML TIR Rms: 0.3 secs**  
**91 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT	
JAN	HZ	37	301	EP		0749	6.347	0.08							1.0	
JAN	HE	37	301	ES		0750	1.539	-0.14							1.0	
THL	HZ	69	82	EP		0750	2.006	0.11							1.0	
THL	HE	69	82	ES		0750	2.052	0.19							1.0	
IGT	HZ	77	274	EP		0750	3.498	0.20							1.0	
IGT	HN	77	274	ES		0750	4.515	0.11							1.0	
IGT	HZ	77	274	IAML		0750	6.156			14	0.5					
PENT	HZ	79	355	EP		0750	3.397	-0.38							1.0	
PENT	HE	79	355	ES		0750	4.917	-0.34							1.0	
LKD2	HZ	91	212	EP		0750	5.988	0.05							1.0	
LKD2	HN	91	212	ES		0750	9.344	0.17							1.0	
KZN	HZ	103	27	EP		0750	7.704	-0.20							1.0	
KZN	HN	103	27	ES		0750	3.110	0.37							1.0	
NEST	HZ	104	352	EP		0750	7.983	-0.21							1.0	
NEST	HE	104	352	ES		0750	3.270	0.02							1.0	
NEST	HZ	104	352	IAML		0750	2.949			12	0.6					
SRN	HZ	114	293	EP		0750	9.591	-0.08							1.0	
SRN	HN	114	293	ES		0750	5.945	0.02							1.0	
SRN	HZ	114	293	IAML		0750	9.946			20	0.8					
KEK	HZ	125	282	EP		0750	1.511	-0.05							1.0	
KEK	HN	125	282	ES		0750	9.821	0.47							1.0	
KEK	HZ	125	282	IAML		0750	4.362			27	0.8					
VLS	HZ	155	201	EP		0750	7.117	0.48							1.0	
VLS	HN	155	201	ES		0750	7.639	-0.90							1.0	

**December 14 2022 Hour: 9:29 43.0 Lat: 40.85N Lon: 21.47E D: 11.1 Ag: TIR Local**  
**Magnitudes: 3.3ML TIR 3.7MW TIR Rms: 0.6 secs**  
**47 km NE of Bilisht**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT	
NEST	HZ	60	217	EP		0929	3.744	-0.07							1.0	
NEST	HE	60	217	ES		0930	1.409	-1.16							1.0	
NEST	HZ	60	217	IAML		0930	2.869			2126	0.6					
KBN	HZ	63	247	EP		0929	4.115	-0.16							1.0	
KBN	HE	63	247	ES		0930	2.275	-1.14							1.0	
KBN	HZ	63	247	IAML		0930	6.525			590	0.3					
KZN	HZ	66	157	EP		0929	5.113	0.45							1.0	
KZN	HE	66	157	ES		0930	4.694	0.58							1.0	
PENT	HZ	78	201	EP		0929	6.817	0.04							1.0	
PENT	HN	78	201	ES		0930	7.816	-0.12							1.0	
PHP	HZ	127	317	EP		0930	4.089	-0.77							1.0	
PHP	HE	127	317	ES		0930	1.560	-1.01							1.0	
PHP	HZ	127	317	IAML		0930	3.147			362	1.0					
THE	HZ	128	100	EP		0930	6.314	1.22							1.0	
THE	HE	128	100	ES		0930	2.962	-0.02							1.0	
THE	HZ	128	100	IAML		0930	5.175			121	0.5					
BERA	HZ	130	263	EP		0930	5.092	-0.22							1.0	

BERA	HN	130	263	ES	0930	3.640	0.25										1.0
BERA	HZ	130	263	IAML	0930	7.493		305	0.8								
JAN	HZ	143	202	EP	0930	8.062	0.54										1.0
JAN	HN	143	202	ES	0930	7.561	0.17										1.0
TIR	HZ	146	293	EP	0930	8.662	0.63										1.0
TIR	HE	146	293	ES	0930	8.288	-0.02										1.0
TIR	HZ	146	293	IAML	0930	5.836		103	0.7								
THL	HZ	150	162	EP	0930	8.391	-0.32										1.0
THL	HN	150	162	ES	0930	7.900	-1.64										1.0
SRN	HZ	165	230	EP	0930	1.936	0.72										0.9
SRN	HN	165	230	ES	0930	4.720	0.65										0.9
SRN	HZ	165	230	IAML	0930	1.037		159	1.1								
VLO	HZ	173	256	EP	0930	2.671	0.32										0.9
VLO	HN	173	256	ES	0930	6.230	0.11										0.9
VLO	HZ	173	256	IAML	0930	4.266		210	0.7								
PLG	HZ	175	107	EP	0930	2.495	-0.23										0.9
PLG	HN	175	107	ES	0930	5.614	-1.20										0.9
IGT	HZ	176	214	EP	0930	3.867	1.09										0.9
IGT	HN	176	214	ES	0930	6.995	0.10										0.9
IGT	HZ	176	214	IAML	0930	8.801		181	0.8								
PUK	HZ	187	316	EP	0930	3.862	-0.44										0.9
PUK	HN	187	316	ES	0930	9.674	0.02										0.9
PUK	HZ	187	316	IAML	0930	4.411		54	0.6								
KEK	HZ	190	229	EP	0930	5.166	0.51										0.9
KEK	HN	190	229	ES	0930	0.288	-0.01										0.9
KEK	HZ	190	229	IAML	0930	4.453		171	0.5								
BCI	HZ	205	326	EP	0930	6.681	0.10										0.9
BCI	HE	205	326	ES	0930	3.509	-0.27										0.9
BCI	HZ	205	326	IAML	0930	0.822		112	0.6								
NVR	HZ	208	74	EP	0930	6.730	-0.29										0.9
NVR	HN	208	74	ES	0930	4.684	0.11										0.9
SDA	HZ	212	310	EP	0930	8.164	0.77										0.9
SDA	HN	212	310	ES	0930	5.563	0.31										0.9
SDA	HZ	212	310	IAML	0930	6.280		80	1.1								
BARS	BZ	220	7	EP	0930	8.179	-0.31										0.9
LKD2	HZ	239	197	EP	0930	1.387	0.43										0.9
LKD2	HN	239	197	ES	0930	1.542	-0.17										0.9
PDG	HZ	254	314	EP	0930	4.379	1.54										0.9
PDG	HN	254	314	ES	0930	4.936	-0.17										0.9
PDG	HZ	254	314	IAML	0931	2.672		72	0.7								
SCTE	HZ	269	252	EP	0930	5.354	0.61										0.9
SJES	BZ	295	336	EP	0930	7.220	-0.99										0.8
SJES	BZ	295	336	IAML	0931	2.140		185	0.9								
VLS	HZ	306	195	EP	0930	9.399	-0.14										0.8

**December 14 2022 Hour: 10:36 18.1 Lat: 40.86N Lon: 21.46E D: 8.6 Ag: TIR Local**  
**Magnitudes: 2.5ML TIR 2.9MW TIR Rms: 0.8 secs**  
**47 km NE of Bilisht**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
NEST	HZ	60	215	EP		1036	9.338	0.37							1.0
NEST	HE	60	215	ES		1036	6.987	-0.80							1.0
NEST	HZ	60	215	IAML		1036	8.363		222	0.3					
KBN	HZ	62	246	EP		1036	9.857	0.49							1.0
KBN	HN	62	246	ES		1036	7.779	-0.71							1.0
KBN	HZ	62	246	IAML		1036	1.913		65	0.3					
KZN	HZ	67	157	EP		1036	0.761	0.66							1.0
KZN	HE	67	157	ES		1036	0.061	0.24							1.0
PENT	HZ	78	200	EP		1036	2.483	0.42							1.0
PENT	HN	78	200	ES		1036	3.807	0.42							1.0
PHP	HZ	125	317	EP		1036	9.059	-0.84							1.0
PHP	HN	125	317	ES		1036	5.958	-1.61							1.0
PHP	HZ	125	317	IAML		1037	1.250		39	1.1					
BERA	HZ	129	263	EP		1036	1.090	0.70							1.0
BERA	HN	129	263	ES		1036	8.401	-0.06							1.0

BERA	HZ	129	263	IAML	1037	3.462			42	0.5					
THE	HZ	130	101	EP	1036	0.760	0.21								1.0
THE	HE	130	101	ES	1036	8.213	-0.53								1.0
THE	HZ	130	101	IAML	1037	0.572			17	0.6					
JAN	HZ	143	201	EP	1036	3.348	0.54								1.0
JAN	HN	143	201	ES	1037	2.743	-0.09								1.0
THL	HZ	151	162	EP	1036	3.621	-0.51								1.0
THL	HN	151	162	ES	1037	3.832	-1.39								1.0
SRN	HZ	165	229	EP	1036	7.710	1.31								0.9
SRN	HN	165	229	ES	1037	7.558	-1.76								0.9
SRN	HZ	165	229	IAML	1037	3.626			19	0.7					
PLG	HZ	176	107	EP	1036	8.102	-0.19								0.9
PLG	HE	176	107	ES	1037	1.647	-1.11								0.9
IGT	HZ	176	213	EP	1036	9.972	1.80								0.9
IGT	HN	176	213	ES	1037	2.677	0.15								0.9
IGT	HZ	176	213	IAML	1037	3.992			24	0.4					
PUK	HZ	186	316	EP	1036	8.727	-0.81								0.9
PUK	HN	186	316	ES	1037	5.417	0.41								0.9
PUK	HZ	186	316	IAML	1037	0.229			7	0.6					
KEK	HZ	190	229	EP	1036	0.558	0.56								0.9
KEK	HN	190	229	ES	1037	5.991	0.14								0.9
KEK	HZ	190	229	IAML	1037	5.361			31	0.8					
BCI	HZ	204	326	EP	1036	2.868	1.04								0.9
BCI	HE	204	326	ES	1037	9.762	0.62								0.9
BCI	HZ	204	326	IAML	1037	0.104			20	1.0					
NVR	HZ	209	74	EP	1036	3.240	0.71								0.9
BARs	BZ	220	8	EP	1036	3.706	-0.12								0.9

**December 14 2022 Hour: 14:16 43.6 Lat: 40.79N Lon: 21.50E D: 18.7 Ag: TIR Local**  
**Magnitudes: 2.4ML TIR Rms: 0.8 secs**  
**46 km NE of Bilisht**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
NEST	HZ	57	222	EP		1416	3.071	-0.95							1.0
NEST	HN	57	222	ES		1417	1.860	-0.57							1.0
NEST	HZ	57	222	IAML		1417	5.100			38	0.4				
KZN	HZ	59	157	EP		1416	4.856	0.48							1.0
KZN	HN	59	157	ES		1417	3.571	0.50							1.0
PENT	HZ	73	205	EP		1416	6.178	-0.52							1.0
PENT	HE	73	205	ES		1417	8.348	1.07							1.0
THL	HZ	143	162	EP		1417	8.298	0.20							1.0
THL	HN	143	162	ES		1417	6.849	-1.07							1.0
SRN	HZ	163	232	EP		1417	2.380	1.48							0.9
SRN	HE	163	232	ES		1417	3.297	0.31							0.9
SRN	HZ	163	232	IAML		1417	5.325			19	0.8				
IGT	HZ	172	216	EP		1417	1.169	-0.92							0.9
IGT	HE	172	216	ES		1417	5.124	-0.01							0.9
IGT	HZ	172	216	IAML		1417	6.847			18	1.7				

**December 14 2022 Hour: 14:51 21.5 Lat: 40.84N Lon: 21.48E D: 11.1 Ag: TIR Local**  
**Magnitudes: 2.6ML TIR 3.3MW TIR Rms: 0.8 secs**  
**47 km NE of Bilisht**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
NEST	HZ	60	217	EP		1451	1.718	-0.50							1.0
NEST	HZ	60	217	IAML		1451	3.311			319	0.3				
KBN	HZ	63	248	EP		1451	2.735	-0.03							1.0
KBN	HN	63	248	ES		1451	1.417	-0.45							1.0
KBN	HZ	63	248	IAML		1451	4.458			121	0.3				
KZN	HZ	65	157	EP		1451	3.187	0.16							1.0
KZN	HN	65	157	ES		1451	2.191	-0.15							1.0
PENT	HZ	77	202	EP		1451	4.752	-0.40							1.0
PENT	HN	77	202	ES		1451	5.948	-0.25							1.0
THE	HN	128	100	ES		1452	1.110	-0.29							1.0
PHP	HZ	128	318	EP		1451	2.929	-0.60							1.0
PHP	HN	128	318	ES		1452	0.660	-0.69							1.0

PHP	HZ	128	318	IAML	1452	1.501		40	0.3					
THE	HZ	128	100	EP	1451	3.975	0.42							1.0
THE	HZ	128	100	IAML	1452	6.124		14	0.5					
BERA	HZ	130	264	EP	1451	3.967	0.12							1.0
BERA	HN	130	264	ES	1452	2.285	0.35							1.0
BERA	HZ	130	264	IAML	1452	6.392		80	0.6					
THL	HZ	149	162	EP	1451	6.952	-0.11							1.0
THL	HN	149	162	ES	1452	7.493	-0.26							1.0
SRN	HZ	165	230	EP	1451	9.854	0.20							0.9
SRN	HN	165	230	ES	1452	2.668	0.23							0.9
SRN	HZ	165	230	IAML	1452	9.695		38	0.4					
IGT	HZ	175	214	EP	1451	1.666	0.46							0.9
IGT	HN	175	214	ES	1452	4.886	-0.36							0.9
IGT	HZ	175	214	IAML	1452	1.546		16	1.0					
PUK	HZ	188	316	EP	1451	2.372	-0.56							0.9
PUK	HN	188	316	ES	1452	7.938	-0.43							0.9
PUK	HZ	188	316	IAML	1452	2.224		13	0.6					
KEK	HZ	190	229	EP	1451	5.506	2.40							0.9
KEK	HN	190	229	ES	1452	7.842	-0.85							0.9
KEK	HZ	190	229	IAML	1452	2.433		48	0.8					
BCI	HZ	206	326	EP	1451	4.827	-0.39							0.9
BCI	HN	206	326	ES	1452	1.057	-1.45							0.9
BCI	HZ	206	326	IAML	1452	7.458		24	1.3					
SDA	HZ	213	310	EP	1451	8.444	2.43							0.9
SDA	HN	213	310	ES	1452	5.467	1.51							0.9

**December 15 2022 Hour: 12:55 11.5 Lat: 40.99N Lon: 20.54E D: 14.0 Ag: TIR Local**  
**Magnitudes: 3.0ML TIR 3.5MW TIR Rms: 0.9 secs**  
**8 km S of Prrenjas**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KBN	HZ	46	153	EP	C	1255	9.467	-0.48							1.0
KBN	HN	46	153	ES		1255	7.315	0.49							1.0
KBN	HZ	46	153	IAML		1255	9.901			589	0.5				
BERA	HZ	59	237	IP	C	1255	0.649	-1.39							1.0
BERA	HE	59	237	ES		1255	8.445	-2.16							1.0
BERA	HZ	59	237	IAML		1255	3.635			1093	0.2				
TIR	HZ	69	305	EP	C	1255	3.346	-0.31							1.0
TIR	HE	69	305	ES		1255	4.723	1.19							1.0
TIR	HZ	69	305	IAML		1255	4.492			166	0.4				
PHP	HZ	77	354	EP	D	1255	4.933	-0.17							1.0
PHP	HE	77	354	ES		1255	6.192	0.04							1.0
PHP	HZ	77	354	IAML		1255	2.551			336	0.4				
NEST	HZ	77	146	EP	C	1255	5.027	-0.13							1.0
NEST	HE	77	146	ES		1255	6.283	0.03							1.0
BPA2	HZ	83	250	EP	D	1255	5.563	-0.39							1.0
BPA2	HN	83	250	ES		1255	7.350	-0.35							1.0
LACI	HZ	99	317	EP		1255	7.987	-0.70							1.0
VLO	HZ	105	237	EP		1255	0.912	1.16							1.0
PUK	HZ	128	335	EP		1255	3.575	-0.06							1.0
PUK	HE	128	335	ES		1255	2.010	0.42							1.0
PUK	HZ	128	335	IAML		1255	6.354			107	0.3				
KZN	HZ	129	126	EP	C	1255	3.645	-0.13							1.0
KZN	HN	129	126	ES		1255	1.723	-0.13							1.0
SRN	HZ	132	200	EP	C	1255	4.101	-0.01							1.0
SRN	HE	132	200	ES		1255	2.224	-0.24							1.0
SDA	HZ	146	324	EP	C	1255	6.158	-0.32							1.0
SDA	HN	146	324	ES		1255	7.418	0.67							1.0
SDA	HZ	146	324	IAML		1256	4.214			64	0.4				
JAN	HZ	151	170	EP	C	1255	9.842	2.51							1.0
JAN	HE	151	170	ES		1255	7.816	-0.46							1.0
KEK	HZ	155	204	EP		1255	8.633	0.57							1.0
KEK	HE	155	204	ES		1255	9.382	-0.23							1.0
BCI	HZ	158	346	EP	C	1255	8.362	-0.08							0.9
BCI	HE	158	346	ES		1256	0.877	0.59							0.9

BCI	HZ	158	346	IAML		1256	3.907			165	0.6			
IGT	HZ	163	186	EP		1255	8.823	-0.47						0.9
IGT	HE	163	186	ES		1256	3.574	1.74						0.9
THL	HZ	202	141	EP	C	1255	5.121	0.80						0.9
SCTE	HZ	203	240	EP		1255	4.332	-0.07						0.9
BARS	BZ	229	27	EP	D	1255	8.645	0.90						0.9
BARS	BN	229	27	ES		1256	7.619	0.49						0.9
BARS	BZ	229	27	IAML		1256	2.837			25	0.6			
BOSS	SZ	232	43	EP	D	1255	7.860	-0.29						0.9
BOSS	SN	232	43	ES		1256	4.820	-3.05						0.9
LKD2	HZ	245	178	EP	D	1255	0.607	0.78						0.9
PLG	HZ	255	105	EP		1255	9.733	-1.44						0.9
SJES	BZ	256	350	EP	C	1255	1.766	0.38						0.9
SJES	BN	256	350	ES		1256	4.166	0.44						0.9

**December 16 2022 Hour: 14:42 20.6 Lat: 40.87N Lon: 21.50E D: 6.2 Ag: TIR Local**  
**Magnitudes: 2.4ML TIR 2.6MW TIR Rms: 0.5 secs**

**50 km NE of Bilisht**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
NEST	HZ	63	217	EP		1442	2.462	0.55							1.0
NEST	HN	63	217	ES		1442	1.329	0.27							1.0
NEST	HN	63	217	E		1442	1.349								
NEST	HZ	63	217	IAML		1442	4.745			122	0.2				
KBN	HZ	66	246	EP		1442	2.488	0.08							1.0
KBN	HN	66	246	ES		1442	0.910	-1.04							1.0
KBN	HZ	66	246	IAML		1442	4.348			41	0.3				
KZN	HZ	66	159	EP		1442	2.120	-0.43							1.0
KZN	HN	66	159	ES		1442	2.664	0.46							1.0
PENT	HZ	80	202	EP		1442	4.456	-0.58							1.0
PENT	HN	80	202	ES		1442	6.830	0.12							1.0
BERA	HZ	132	263	EP		1442	3.820	0.22							1.0
BERA	HN	132	263	ES		1443	2.327	0.11							1.0
BERA	HZ	132	263	IAML		1443	9.257			17	0.3				
TPE	HZ	140	244	EP		1442	4.813	-0.25							1.0
JAN	HZ	145	202	EP		1442	6.235	0.38							1.0
THL	HZ	151	163	EP		1442	6.797	-0.03							1.0
THL	HE	151	163	ES		1443	7.566	-0.49							1.0
SRN	HZ	168	230	EP		1442	0.004	0.42							0.9
SRN	HN	168	230	ES		1443	3.305	0.27							0.9
SRN	HZ	168	230	IAML		1443	0.574			19	0.5				
PLG	HZ	174	108	EP		1442	0.321	-0.31							0.9
IGT	HZ	178	214	EP		1442	2.294	0.96							0.9
IGT	HN	178	214	ES		1443	5.562	-0.64							0.9
IGT	HZ	178	214	IAML		1443	3.474			18	0.5				
BOSS	SZ	198	24	EP		1442	3.934	-0.03							0.9

**December 16 2022 Hour: 18:34 18.8 Lat: 39.29N Lon: 21.08E D: 23.5 Ag: TIR Local**  
**Magnitudes: 2.2ML TIR Rms: 0.3 secs**

**86 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
JAN	HZ	45	335	EP		1834	7.611	0.10							1.0
JAN	HE	45	335	ES		1834	4.404	-0.17							1.0
LKD2	HZ	67	213	EP		1834	1.223	0.29							1.0
LKD2	HN	67	213	ES		1834	0.751	-0.02							1.0
IGT	HZ	69	293	EP		1834	1.619	0.30							1.0
IGT	HE	69	293	ES		1834	1.670	0.20							1.0
IGT	HZ	69	293	IAML		1834	3.753			47	0.3				
THL	HZ	86	69	EP		1834	4.450	0.45							1.0
THL	HE	86	69	ES		1834	6.085	-0.23							1.0
SRN	HZ	113	306	EP		1834	8.583	0.40							1.0
SRN	HE	113	306	ES		1834	4.143	0.25							1.0
KEK	HZ	119	293	EP		1834	8.760	-0.43							1.0
KEK	HN	119	293	ES		1834	5.188	-0.53							1.0
KEK	HZ	119	293	IAML		1835	5.022			52	0.6				

NEST	HZ	125	359	EP		1834	0.146	0.06									1.0
NEST	HE	125	359	ES		1834	7.246	-0.10									1.0
NEST	HZ	125	359	IAML		1835	9.456		13	0.5							
KZN	HZ	127	28	EP		1834	0.362	-0.16									1.0
VLS	HZ	131	199	EP		1834	0.568	-0.47									1.0

**December 16 2022 Hour: 20: 5 19.1 Lat: 40.82N Lon: 21.46E D: 6.2 Ag: TIR Local**  
**Magnitudes: 2.3ML TIR Rms: 0.7 secs**  
**45 km NE of Bilisht**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
NEST	HZ	57	218	EP		2005	9.089	-0.28							1.0
NEST	HN	57	218	ES		2005	8.196	0.55							1.0
NEST	HZ	57	218	IAML		2005	0.965		62	0.5					
KBN	HZ	61	250	EP		2005	9.573	-0.55							1.0
KBN	HN	61	250	ES		2005	7.454	-1.55							1.0
KBN	HZ	61	250	IAML		2005	0.540		33	0.6					
KZN	HZ	62	155	EP		2005	0.879	0.54							1.0
KZN	HE	62	155	ES		2005	9.973	0.57							1.0
PENT	HZ	74	202	EP		2005	2.621	0.16							1.0
PENT	HN	74	202	ES		2005	3.725	0.47							1.0
BERA	HZ	129	265	EP		2005	2.576	0.99							1.0
BERA	HN	129	265	ES		2006	0.208	0.44							1.0
THL	HZ	147	161	EP		2005	3.815	-0.80							1.0
THL	HE	147	161	ES		2006	4.209	-1.03							1.0
SRN	HZ	162	231	EP		2005	7.838	0.66							0.9
SRN	HN	162	231	ES		2006	0.394	0.51							0.9
SRN	HZ	162	231	IAML		2006	4.646		21	1.0					
IGT	HZ	172	214	EP		2005	8.279	-0.58							0.9
IGT	HN	172	214	ES		2006	2.808	-0.12							0.9
IGT	HZ	172	214	IAML		2006	7.895		23	1.6					

**December 16 2022 Hour: 20:43 3.9 Lat: 40.82N Lon: 21.44E D: 9.0 Ag: TIR Local**  
**Magnitudes: 2.2ML TIR Rms: 0.6 secs**  
**43 km NE of Bilisht**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
NEST	HZ	56	216	EP		2043	3.551	-0.52							1.0
NEST	HN	56	216	ES		2043	2.543	0.23							1.0
NEST	HZ	56	216	IAML		2043	3.953		64	0.2					
KBN	HZ	59	248	EP		2043	5.282	0.63							1.0
KBN	HN	59	248	ES		2043	2.779	-0.58							1.0
KBN	HZ	59	248	IAML		2043	6.174		27	0.6					
KZN	HZ	64	154	EP		2043	5.987	0.58							1.0
KZN	HE	64	154	ES		2043	4.983	0.25							1.0
PENT	HZ	74	200	EP		2043	7.361	0.21							1.0
THL	HZ	148	161	EP		2043	7.775	-1.62							1.0
SRN	HZ	161	230	EP		2043	1.994	0.44							0.9
IGT	HZ	171	214	EP		2043	3.643	0.31							0.9
IGT	HZ	171	214	IAML		2043	6.490		19	1.3					
PLG	HZ	177	106	EP		2043	4.152	0.03							0.9

**December 16 2022 Hour: 20:59 20.4 Lat: 40.83N Lon: 21.46E D: 7.9 Ag: TIR Local**  
**Magnitudes: 2.1ML TIR Rms: 0.3 secs**  
**45 km NE of Bilisht**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
NEST	HZ	58	217	EP		2059	0.960	0.05							1.0
NEST	HE	58	217	ES		2059	9.017	-0.36							1.0
NEST	HZ	58	217	IAML		2059	9.762		79	0.5					
KBN	HZ	61	248	EP		2059	1.493	0.02							1.0
KBN	HN	61	248	ES		2059	0.277	-0.13							1.0
KBN	HZ	61	248	IAML		2059	1.772		31	0.3					
KZN	HZ	64	155	EP		2059	2.278	0.25							1.0
KZN	HN	64	155	ES		2059	1.793	0.38							1.0
BERA	HZ	128	264	EP		2059	2.215	-0.48							1.0
BERA	HN	128	264	ES		2100	0.990	0.27							1.0

BERA	HZ	128	264	IAML	2100	2.903			19	0.6				
THL	HZ	149	161	EP	2059	5.883	-0.25							1.0
THL	HN	149	161	ES	2100	6.551	-0.39							1.0
SRN	HZ	163	230	EP	2059	8.531	0.05							0.9
SRN	HE	163	230	ES	2100	1.825	0.63							0.9
SRN	HZ	163	230	IAML	2100	9.155			12	0.8				
IGT	HZ	173	214	EP	2059	0.450	0.20							0.9
IGT	HE	173	214	ES	2100	4.161	-0.23							0.9
IGT	HZ	173	214	IAML	2100	1.850			8	0.3				

**December 16 2022 Hour: 21:19 2.3 Lat: 40.77N Lon: 21.44E D: 11.1 Ag: TIR Local**  
**Magnitudes: 2.0ML TIR Rms: 0.5 secs**

**41 km NE of Bilisht**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
NEST	HZ	52	220	EP		2119	1.511	-0.23							1.0
NEST	HE	52	220	ES		2119	9.543	0.17							1.0
NEST	HZ	52	220	IAML		2119	7.876			37	0.4				
KBN	HZ	58	253	EP		2119	3.088	0.39							1.0
KBN	HN	58	253	ES		2119	0.548	-0.55							1.0
KBN	HZ	58	253	IAML		2119	3.576			23	0.6				
KZN	HZ	59	152	EP		2119	2.824	-0.08							1.0
KZN	HE	59	152	ES		2119	1.710	0.23							1.0
BERA	HZ	126	267	EP		2119	4.195	0.12							1.0
BERA	HE	126	267	ES		2119	1.529	-0.16							1.0
BERA	HZ	126	267	IAML		2119	7.220			13	0.4				
THL	HZ	143	160	EP		2119	6.294	-0.55							1.0
THL	HE	143	160	ES		2119	6.217	-0.49							1.0
SRN	HZ	158	231	EP		2119	9.584	0.29							0.9
SRN	HE	158	231	ES		2119	0.355	-0.78							0.9
SRN	HZ	158	231	IAML		2119	8.111			15	1.0				
IGT	HZ	167	215	EP		2119	1.806	0.91							0.9
IGT	HN	167	215	ES		2119	4.824	0.79							0.9
IGT	HZ	167	215	IAML		2120	1.161			28	2.1				

**December 16 2022 Hour: 21:24 1.5 Lat: 40.81N Lon: 21.46E D: 26.1 Ag: TIR Local**  
**Magnitudes: 2.0ML TIR Rms: 0.4 secs**

**44 km NE of Bilisht**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
NEST	HZ	56	219	EP		2124	1.534	-0.50							1.0
NEST	HN	56	219	ES		2124	0.857	0.25							1.0
NEST	HZ	56	219	IAML		2124	3.814			47	0.2				
KBN	HZ	60	250	EP		2124	3.410	0.71							1.0
KBN	HN	60	250	ES		2124	1.438	-0.37							1.0
KBN	HZ	60	250	IAML		2124	5.658			23	0.2				
KZN	HZ	62	155	EP		2124	2.677	-0.23							1.0
KZN	HN	62	155	ES		2124	2.322	0.14							1.0
THL	HZ	146	161	EP		2124	5.846	0.00							1.0

**December 16 2022 Hour: 21:32 43.2 Lat: 40.79N Lon: 21.47E D: 7.0 Ag: TIR Local**  
**Magnitudes: 2.4ML TIR Rms: 0.7 secs**

**44 km NE of Bilisht**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
NEST	HZ	55	220	EP		2132	2.908	-0.28							1.0
NEST	HE	55	220	ES		2133	0.903	-0.33							1.0
NEST	HZ	55	220	IAML		2133	4.784			51	0.4				
KZN	HZ	60	155	EP		2132	4.386	0.36							1.0
KZN	HN	60	155	ES		2133	3.196	0.44							1.0
KBN	HZ	61	252	EP		2132	3.454	-0.70							1.0
KBN	HN	61	252	ES		2133	2.070	-0.91							1.0
KBN	HZ	61	252	IAML		2133	5.701			29	0.5				
PENT	HZ	72	203	EP		2132	7.313	1.12							1.0
PENT	HE	72	203	ES		2133	7.481	0.80							1.0
BERA	HZ	129	266	EP		2133	5.969	0.31							1.0
BERA	HE	129	266	ES		2133	4.156	0.33							1.0

BERA	HZ	129	266	IAML	2133	7.937			35	1.1					
THL	HZ	144	161	EP	2133	7.673-0.57									1.0
THL	HE	144	161	ES	2133	7.361-1.13									1.0
SRN	HZ	161	231	EP	2133	0.757-0.25									0.9
SRN	HE	161	231	ES	2133	4.052 0.56									0.9
SRN	HZ	161	231	IAML	2133	2.479			25	1.4					
IGT	HZ	170	215	EP	2133	2.913 0.31									0.9
IGT	HE	170	215	ES	2133	6.256-0.12									0.9
IGT	HZ	170	215	IAML	2133	3.091			24	1.1					
PLG	HZ	174	105	EP	2133	2.203-0.99									0.9
NVR	HZ	211	72	EP	2133	9.128 1.07									0.9

**December 16 2022 Hour: 21:38 39.8 Lat: 40.84N Lon: 21.48E D: 14.0 Ag: TIR Local**  
**Magnitudes: 2.2ML TIR Rms: 0.6 secs**  
**47 km NE of Bilisht**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
NEST	HZ	60	218	EP		2138	0.547-0.06								1.0
NEST	HE	60	218	ES		2138	8.739-0.59								1.0
NEST	HZ	60	218	IAML		2138	9.538			68	0.5				
KBN	HZ	63	248	EP		2138	0.981-0.22								1.0
KBN	HN	63	248	ES		2138	9.963-0.43								1.0
KBN	HZ	63	248	IAML		2139	3.784			31	0.7				
KZN	HZ	64	157	EP		2138	2.144 0.84								1.0
KZN	HE	64	157	ES		2139	1.378 0.80								1.0
THL	HZ	149	162	EP		2139	5.695 0.36								1.0
THL	HN	149	162	ES		2139	4.822-1.16								1.0
SRN	HZ	165	230	EP		2139	8.197 0.29								0.9
SRN	HN	165	230	ES		2139	0.490-0.14								0.9
PLG	HZ	174	107	EP		2139	9.112-0.02								0.9
PLG	HN	174	107	ES		2139	1.775-1.07								0.9
IGT	HZ	175	214	EP		2139	0.046 0.80								0.9
IGT	HE	175	214	ES		2139	3.646 0.59								0.9
IGT	HZ	175	214	IAML		2139	0.180			22	1.9				

**December 16 2022 Hour: 21:51 42.1 Lat: 40.85N Lon: 21.48E D: 12.2 Ag: TIR Local**  
**Magnitudes: 2.3ML TIR Rms: 0.6 secs**  
**48 km NE of Bilisht**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
NEST	HZ	60	217	EP		2151	2.389-0.51								1.0
NEST	HE	60	217	ES		2152	0.630-1.05								1.0
NEST	HZ	60	217	IAML		2152	1.407			90	0.5				
KBN	HZ	64	247	EP		2151	3.329-0.08								1.0
KBN	HN	64	247	ES		2152	1.713-0.90								1.0
KBN	HZ	64	247	IAML		2152	5.200			39	0.6				
KZN	HZ	65	158	EP		2151	3.806 0.15								1.0
KZN	HN	65	158	ES		2152	3.250 0.20								1.0
PENT	HZ	78	202	EP		2151	6.681 0.85								1.0
PENT	HE	78	202	ES		2152	7.500 0.50								1.0
THE	HZ	128	100	EP		2152	4.510 0.46								1.0
THE	HN	128	100	ES		2152	2.076 0.21								1.0
THE	HZ	128	100	IAML		2152	4.293			9	0.2				
BERA	HZ	130	263	EP		2152	4.447-0.02								1.0
BERA	HE	130	263	ES		2152	2.615-0.01								1.0
BERA	HZ	130	263	IAML		2152	8.729			25	0.2				
JAN	HZ	143	202	EP		2152	7.457 0.88								1.0
JAN	HN	143	202	ES		2152	6.617 0.17								1.0
THL	HZ	150	162	EP		2152	7.124-0.58								1.0
THL	HN	150	162	ES		2152	7.282-1.20								1.0
SRN	HZ	165	230	EP		2152	1.180 0.86								0.9
SRN	HE	165	230	ES		2152	3.736 0.52								0.9
SRN	HZ	165	230	IAML		2152	0.506			29	1.6				
PLG	HZ	174	107	EP		2152	1.747 0.16								0.9
IGT	HZ	176	214	EP		2152	2.273 0.55								0.9
IGT	HE	176	214	ES		2152	5.898 0.13								0.9



**December 17 2022 Hour: 1:041.3 Lat: 40.83N Lon: 21.44E D: 11.1 Ag: TIR Local**  
**Magnitudes: 2.3ML TIR Rms: 0.5 secs**  
**43 km NE of Bilisht**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
NEST	HZ	56	216	EP		0100	1.120	-0.38							1.0
NEST	HN	56	216	ES		0100	9.604	-0.12							1.0
NEST	HZ	56	216	IAML		0101	1.258			66	0.4				
KBN	HZ	59	248	EP		0100	2.148	0.14							1.0
KBN	HN	59	248	ES		0101	0.229	-0.41							1.0
KBN	HZ	59	248	IAML		0101	4.539			26	0.3				
KZN	HZ	64	154	EP		0100	3.191	0.41							1.0
KZN	HN	64	154	ES		0101	2.258	0.22							1.0
PENT	HZ	74	200	EP		0100	4.168	-0.35							1.0
PENT	HE	74	200	ES		0101	5.932	0.75							1.0
BERA	HZ	127	264	EP		0101	3.327	0.18							1.0
BERA	HN	127	264	ES		0101	0.265	-0.53							1.0
JAN	HZ	139	201	EP		0101	5.416	0.16							1.0
JAN	HN	139	201	ES		0101	4.647	0.02							1.0
THL	HZ	148	161	EP		0101	5.915	-0.85							1.0
THL	HN	148	161	ES		0101	6.295	-1.06							1.0
SRN	HZ	161	230	EP		0101	9.363	0.46							0.9
SRN	HN	161	230	ES		0101	1.388	0.17							0.9
SRN	HZ	161	230	IAML		0101	3.380			36	3.0				
LACI	HZ	170	303	EP		0101	0.722	0.33							0.9
LACI	HE	170	303	ES		0101	3.472	-0.44							0.9
IGT	HZ	172	214	EP		0101	2.054	1.43							0.9
IGT	HN	172	214	ES		0101	4.262	-0.07							0.9
IGT	HZ	172	214	IAML		0101	0.552			21	1.5				

**December 17 2022 Hour: 4:41 19.7 Lat: 40.83N Lon: 21.49E D: 16.2 Ag: TIR Local**  
**Magnitudes: 2.1ML TIR 3.9MW TIR Rms: 0.6 secs**  
**47 km NE of Bilisht**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
NEST	HZ	59	219	EP		0441	0.070	-0.26							1.0
NEST	HE	59	219	ES		0441	8.458	-0.52							1.0
NEST	HZ	59	219	IAML		0441	0.126			53	0.1				
KZN	HZ	63	157	EP		0441	1.360	0.40							1.0
KZN	HE	63	157	ES		0441	0.155	0.03							1.0
KBN	HZ	63	249	EP		0441	1.337	0.33							1.0
KBN	HN	63	249	ES		0441	9.383	-0.82							1.0
KBN	HZ	63	249	IAML		0441	0.789			21	0.3				
PENT	HZ	76	203	EP		0441	3.001	-0.18							1.0
PENT	HN	76	203	ES		0441	4.633	0.50							1.0
JAN	HZ	141	203	EP		0441	4.637	0.74							1.0
THL	HZ	147	162	EP		0441	4.818	-0.07							1.0
THL	HN	147	162	ES		0442	4.795	-0.54							1.0
SRN	HZ	164	231	EP		0441	7.767	0.36							0.9
SRN	HN	164	231	ES		0442	8.994	-0.89							0.9
SRN	HZ	164	231	IAML		0442	4.091			15	0.4				
PLG	HZ	173	106	EP		0441	8.992	0.35							0.9
PLG	HN	173	106	ES		0442	1.161	-0.96							0.9
IGT	HZ	174	215	EP		0441	9.337	0.63							0.9
IGT	HN	174	215	ES		0442	3.222	0.98							0.9

**December 17 2022 Hour: 6:9 22.9 Lat: 40.87N Lon: 21.46E D: 12.6 Ag: TIR Local**  
**Magnitudes: 2.5ML TIR Rms: 0.6 secs**  
**48 km E of Pustec**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
NEST	HZ	62	215	EP		0609	4.074	0.10							1.0
NEST	HN	62	215	ES		0609	2.642	-0.31							1.0
NEST	HZ	62	215	IAML		0609	4.024			97	0.3				
KBN	HZ	64	244	EP		0609	4.368	0.13							1.0
KBN	HE	64	244	ES		0609	2.597	-0.83							1.0

KBN	HZ	64	244	IAML	0609	5.845			18	0.3					
KZN	HZ	68	157	EP	0609	5.296	0.30								1.0
KZN	HN	68	157	ES	0609	4.595	-0.20								1.0
THL	HZ	153	162	EP	0609	8.893	-0.15								1.0
THL	HN	153	162	ES	0610	0.649	0.44								1.0
SRN	HZ	166	229	EP	0609	2.778	1.52								0.9
SRN	HE	166	229	ES	0610	3.592	-0.63								0.9
SRN	HZ	166	229	IAML	0610	9.408			36	2.6					
PLG	HZ	176	108	EP	0609	2.449	-0.21								0.9
PLG	HN	176	108	ES	0610	5.964	-0.80								0.9
IGT	HZ	177	213	EP	0609	2.945	0.22								0.9
IGT	HE	177	213	ES	0610	7.372	0.50								0.9
IGT	HZ	177	213	IAML	0610	2.434			36	1.6					

**December 19 2022 Hour: 0:54 52.3 Lat: 39.18N Lon: 20.61E D: 17.1 Ag: TIR Local**  
**Magnitudes: 2.4ML TIR 2.8MW TIR Rms: 0.3 secs**  
**64 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LKD2	HZ	44	175	EP		0055	0.523	0.00							1.0
LKD2	HE	44	175	ES		0055	7.384	0.18							1.0
IGT	HZ	46	328	EP		0055	0.204	-0.53							1.0
IGT	HE	46	328	ES		0055	7.751	0.16							1.0
IGT	HZ	46	328	IAML		0055	9.537		158	0.2					
JAN	HZ	56	21	EP		0055	2.295	-0.21							1.0
JAN	HE	56	21	ES		0055	0.872	0.07							1.0
KEK	HZ	91	310	EP		0055	7.925	-0.34							1.0
KEK	HN	91	310	ES		0055	1.304	0.09							1.0
KEK	HZ	91	310	IAML		0055	6.059		207	0.5					
SRN	HZ	93	326	EP		0055	8.266	-0.32							1.0
SRN	HN	93	326	ES		0055	2.103	0.29							1.0
SRN	HZ	93	326	IAML		0055	6.120		26	0.3					
VLS	HZ	112	181	EP		0055	1.383	-0.29							1.0
VLS	HE	112	181	ES		0055	7.308	-0.08							1.0
PENT	HZ	121	22	EP		0055	3.480	0.22							1.0
THL	HZ	128	70	EP		0055	4.606	0.25							1.0
THL	HN	128	70	ES		0055	2.359	0.12							1.0
TPE	HZ	133	338	EP		0055	5.892	0.63							1.0
TPE	HZ	133	338	IAML		0055	8.462		28	0.3					
NEST	HZ	142	15	EP		0055	6.693	0.07							1.0
NEST	HE	142	15	ES		0055	5.568	-0.78							1.0
NEST	HZ	142	15	IAML		0055	1.716		19	0.5					
BERA	HZ	178	342	EP		0055	2.209	0.55							0.9
BERA	HZ	178	342	IAML		0055	4.544		17	0.5					

**December 19 2022 Hour: 6:47 47.8 Lat: 39.99N Lon: 19.93E D: 8.2 Ag: TIR Local**  
**Magnitudes: 2.8ML TIR 3.3MW TIR Rms: 0.3 secs**  
**14 km NW of Finiq**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRN	HZ	14	154	EP		0647	0.556	-0.16							1.0
SRN	HE	14	154	ES		0647	2.929	-0.12							1.0
SRN	HZ	14	154	IAML		0647	3.922		3995	0.3					
KEK	HZ	33	200	EP		0647	3.542	-0.36							1.0
KEK	HE	33	200	ES		0647	9.330	0.50							1.0
KEK	HZ	33	200	IAML		0648	1.481		1313	0.4					
IGT	HZ	62	146	EP		0647	8.763	-0.19							1.0
IGT	HE	62	146	ES		0648	7.755	-0.21							1.0
IGT	HZ	62	146	IAML		0648	4.508		137	0.2					
VLO	HZ	64	325	EP		0647	9.897	0.47							1.0
VLO	HZ	64	325	IAML		0648	3.529		334	0.3					
BERA	HZ	79	1	EP		0648	1.598	-0.26							1.0
BERA	HZ	79	1	IAML		0648	5.282		435	0.4					
KBN	HZ	101	46	EP		0648	5.760	0.13							1.0
KBN	HZ	101	46	IAML		0648	7.065		55	0.8					
NEST	HZ	106	63	EP		0648	6.561	0.07							1.0

NEST	HZ	106	63	IAML	0648	9.610				51	0.3			
PENT	HZ	106	77	EP	0648	6.432	0.05							1.0
TIR	HZ	151	358	EP	0648	3.666	-0.15							1.0
TIR	HZ	151	358	IAML	0648	5.554				34	0.6			
KZN	HZ	161	77	EP	0648	6.073	0.50							0.9
LACI	HZ	183	355	EP	0648	8.583	-0.35							0.9
LACI	HZ	183	355	IAML	0648	4.014				44	1.0			
THL	HZ	185	104	EP	0648	9.964	0.84							0.9
PHP	HZ	193	13	EP	0648	0.332	0.12							0.9
PHP	HZ	193	13	IAML	0648	1.907				46	0.6			
VLS	HZ	210	164	EP	0648	2.169	-0.15							0.9
PUK	HZ	228	359	EP	0648	4.169	-0.54							0.9
PUK	HZ	228	359	IAML	0649	4.221				17	0.6			
BCI	HZ	264	2	EP	0648	9.446	0.14							0.9
PLG	HZ	302	81	EP	0648	3.808	-0.44							0.8

**December 19 2022 Hour: 15:29 49.4 Lat: 39.26N Lon: 20.96E D: 14.9 Ag: TIR Local**  
**Magnitudes: 2.1ML TIR Rms: 0.3 secs**

**80 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
JAN	HZ	46	348	EP		1529	7.969	0.18							1.0
JAN	HN	46	348	ES		1530	4.876	0.29							1.0
LKD2	HZ	58	207	EP		1529	9.890	0.05							1.0
LKD2	HE	58	207	ES		1530	8.284	-0.03							1.0
IGT	HZ	62	300	EP		1530	0.381	-0.13							1.0
IGT	HN	62	300	ES		1530	9.217	-0.31							1.0
IGT	HZ	62	300	IAML		1530	2.244			28	0.3				
THL	HZ	97	69	EP		1530	6.620	0.32							1.0
THL	HN	97	69	ES		1530	9.513	-0.48							1.0
PENT	HZ	106	8	EP		1530	7.580	-0.19							1.0
PENT	HN	106	8	ES		1530	2.341	-0.31							1.0
SRN	HZ	108	310	EP		1530	8.321	0.26							1.0
SRN	HE	108	310	ES		1530	2.866	-0.33							1.0
KEK	HN	112	297	ES		1530	4.628	0.09							1.0
KEK	HZ	112	297	IAML		1530	7.287			29	0.5				
VLS	HZ	124	195	EP		1530	0.714	-0.08							1.0
NEST	HZ	129	3	EP		1530	2.361	0.70							1.0

**December 19 2022 Hour: 18:39 14.8 Lat: 39.72N Lon: 20.46E D: 6.2 Ag: TIR Local**  
**Magnitudes: 2.1ML TIR Rms: 0.6 secs**

**24 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	24	207	EP		1839	8.979	-0.23							1.0
IGT	HN	24	207	ES		1839	3.135	0.36							1.0
IGT	HZ	24	207	IAML		1839	3.867			614	0.3				
JAN	HZ	35	102	EP		1839	0.819	-0.28							1.0
JAN	HN	35	102	ES		1839	6.661	0.47							1.0
SRN	HZ	43	294	EP		1839	2.323	-0.21							1.0
SRN	HN	43	294	ES		1839	9.320	0.52							1.0
SRN	HZ	43	294	IAML		1839	1.291			51	0.3				
KEK	HZ	57	269	EP		1839	4.409	-0.56							1.0
KEK	HN	57	269	ES		1839	3.200	0.01							1.0
KEK	HZ	57	269	IAML		1839	7.576			60	0.3				
PENT	HZ	78	48	EP		1839	8.596	-0.26							1.0
PENT	HN	78	48	ES		1839	0.924	0.69							1.0
NEST	HZ	92	33	EP		1839	0.659	-0.54							1.0
NEST	HE	92	33	ES		1839	4.590	0.12							1.0
NEST	HZ	92	33	IAML		1839	7.927			16	0.5				
LKD2	HZ	105	170	EP		1839	2.273	-1.11							1.0
LKD2	HN	105	170	ES		1839	9.699	1.27							1.0
BERA	HZ	117	338	EP		1839	4.725	-0.61							1.0
BERA	HN	117	338	ES		1839	2.789	0.84							1.0
BERA	HZ	117	338	IAML		1839	8.178			22					
THL	HZ	135	97	EP		1839	8.151	-0.14							1.0

THL HE 135 97 ES 1839 6.943-0.37 1.0

**December 19 2022 Hour: 19:5 44.9 Lat: 39.24N Lon: 20.96E D: 5.7 Ag: TIR Local**  
**Magnitudes: 2.0ML TIR Rms: 0.6 secs**

**81 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
JAN	HZ	47	348	EP		1905	2.988	-0.38							1.0
JAN	HN	47	348	ES		1906	0.847	0.63							1.0
LKD2	HZ	57	208	EP		1905	5.261	0.10							1.0
LKD2	HN	57	208	ES		1906	4.082	0.63							1.0
IGT	HZ	63	301	EP		1905	5.469	-0.78							1.0
IGT	HN	63	301	ES		1906	4.875	-0.56							1.0
IGT	HZ	63	301	IAML		1906	7.596		20	0.2					
THL	HZ	97	68	EP		1906	2.144	-0.03							1.0
THL	HE	97	68	ES		1906	5.230	-0.92							1.0
PENT	HZ	107	8	EP		1906	3.956	0.12							1.0
SRN	HZ	109	311	EP		1906	3.408	-0.70							1.0
SRN	HE	109	311	ES		1906	9.078	-0.58							1.0
SRN	HZ	109	311	IAML		1906	3.372		27	0.9					
KEK	HZ	113	298	EP		1906	5.705	0.88							1.0
KEK	HE	113	298	ES		1906	0.947	0.00							1.0
KEK	HZ	113	298	IAML		1906	4.434		33	0.8					
NEST	HZ	130	3	EP		1906	8.095	0.35							1.0
NEST	HN	130	3	ES		1906	7.552	1.32							1.0
NEST	HZ	130	3	IAML		1906	4.150		7	0.9					

**December 20 2022 Hour: 14:36 34.2 Lat: 39.36N Lon: 20.64E D: 7.6 Ag: TIR Local**  
**Magnitudes: 2.2ML TIR Rms: 0.3 secs**

**51 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	32	305	EP		1436	9.818	-0.37							1.0
IGT	HN	32	305	ES		1436	5.055	0.03							1.0
IGT	HZ	32	305	IAML		1436	5.766		177	0.2					
JAN	HZ	37	29	EP		1436	1.106	0.07							1.0
JAN	HE	37	29	ES		1436	6.724	0.17							1.0
LKD2	HZ	64	179	EP		1436	5.874	0.16							1.0
LKD2	HN	64	179	ES		1436	5.235	0.22							1.0
SRN	HZ	79	316	EP		1436	8.080	-0.31							1.0
SRN	HN	79	316	ES		1437	0.319	0.46							1.0
SRN	HZ	79	316	IAML		1437	5.851		25	0.3					
KEK	HZ	82	298	EP		1436	8.735	-0.12							1.0
KEK	HN	82	298	ES		1437	0.865	0.17							1.0
KEK	HZ	82	298	IAML		1437	9.081		48	0.4					
PENT	HZ	102	25	EP		1436	1.943	-0.24							1.0
PENT	HE	102	25	ES		1437	7.121	0.38							1.0
TPE	HZ	116	333	EP		1436	4.851	0.28							1.0
TPE	HN	116	333	ES		1437	0.606	-0.44							1.0
THL	HZ	120	79	EP		1436	4.843	-0.37							1.0
NEST	HZ	122	17	EP		1436	5.513	-0.01							1.0
NEST	HZ	122	17	IAML		1437	0.761		21	0.4					
VLS	HZ	132	182	EP		1436	6.980	-0.15							1.0
VLS	HN	132	182	ES		1437	5.730	0.04							1.0

**December 20 2022 Hour: 20:23 57.1 Lat: 39.42N Lon: 20.68E D: 2.8 Ag: TIR Local**  
**Magnitudes: 2.2ML TIR Rms: 0.3 secs**

**50 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
JAN	HZ	30	28	EP		2024	2.460	-0.11							1.0
JAN	HE	30	28	ES		2024	6.962	-0.02							1.0
IGT	HZ	33	293	EP		2024	2.910	-0.10							1.0
IGT	HN	33	293	ES		2024	7.994	0.22							1.0
IGT	HZ	33	293	IAML		2024	1.509		142	0.5					
LKD2	HZ	70	182	EP		2024	9.880	0.29							1.0
LKD2	HN	70	182	ES		2024	9.959	0.28							1.0

SRN	HZ	78	312	EP	2024	0.754-0.30									1.0
SRN	HE	78	312	ES	2024	1.908-0.43									1.0
SRN	HZ	78	312	IAML	2024	6.539			33	0.4					
KEK	HZ	83	294	EP	2024	2.047 0.12									1.0
KEK	HE	83	294	ES	2024	4.066 0.15									1.0
KEK	HZ	83	294	IAML	2024	2.354			76	0.4					
PENT	HZ	95	24	EP	2024	4.252 0.17									1.0
PENT	HN	95	24	ES	2024	7.358-0.46									1.0
NEST	HZ	115	16	EP	2024	7.941 0.33									1.0
NEST	HN	115	16	ES	2024	4.683 0.48									1.0
NEST	HZ	115	16	IAML	2024	1.859			20	0.6					
THL	HZ	116	81	EP	2024	7.467-0.17									1.0
VLS	HZ	138	183	EP	2024	1.593 0.25									1.0
VLS	HN	138	183	ES	2024	0.234-0.73									1.0

**December 21 2022 Hour: 18:30 38.4 Lat: 42.15N Lon: 19.32E D: 29.1 Ag: TIR Local**  
**Magnitudes: 3.0ML TIR 3.7MW TIR Rms: 0.6 secs**  
**12 km SW of Koplík**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PDG	HZ	31	352	EP		1830	6.098	0.53							1.0
PDG	HE	31	352	ES		1830	1.384-0.02								1.0
PDG	HZ	31	352	IAML		1830	1.954			2332	0.1				
PUK	HZ	49	104	EP		1830	7.924-0.18								1.0
PUK	HZ	49	104	IAML		1830	5.815			879	0.2				
LACI	HE	66	150	ES		1831	0.303-0.13								1.0
BCI	HZ	66	69	EP		1830	9.793-0.81								1.0
BCI	HZ	66	69	IAML		1830	9.266			1076	0.2				
LACI	HZ	66	150	EP		1830	0.728 0.17								1.0
LACI	HZ	66	150	IAML		1831	1.289			328	0.3				
TIR	HZ	100	153	EP		1830	6.343 0.50								1.0
TIR	HZ	100	153	IAML		1831	5.054			83	0.2				
PHP	HZ	107	119	EP		1830	6.746-0.14								1.0
PHP	HN	107	119	ES		1831	1.600-0.29								1.0
PHP	HZ	107	119	IAML		1831	4.090			165	0.3				
SJES	BZ	134	23	EP		1831	1.140 0.02								1.0
BERA	HZ	170	162	EP		1831	6.079 0.59								0.9
BERA	HZ	170	162	IAML		1831	2.691			203	0.5				
KBN	HZ	210	144	EP		1831	2.518 1.80								0.9
KBN	HE	210	144	ES		1831	6.401-0.54								0.9
KBN	HZ	210	144	IAML		1831	6.934			38	0.8				
BARS	BZ	218	69	EP		1831	1.735-0.04								0.9
NEST	HZ	241	142	EP		1831	5.761 0.93								0.9
NEST	HZ	241	142	IAML		1831	3.210			39	0.5				
NOCI	HZ	242	232	EP		1831	4.281-0.48								0.9
SCTE	HZ	242	197	EP		1831	3.739-1.02								0.9
SRN	HZ	259	167	EP		1831	6.914-0.02								0.9
SRN	HZ	259	167	IAML		1831	8.212			22	0.2				
BOSS	SZ	262	81	EP		1831	7.402-0.02								0.9
KEK	HZ	274	171	EP		1831	8.531-0.37								0.8
KEK	HZ	274	171	IAML		1832	3.845			46	0.5				
MRVN	HZ	287	246	EP		1831	0.344-0.27								0.8
IGT	HZ	303	163	EP		1831	2.369-0.30								0.8
IGT	HZ	303	163	IAML		1832	1.161			20	0.4				
THL	HZ	366	141	EP		1831	0.646-0.09								0.8

**December 24 2022 Hour: 14:43 22.5 Lat: 42.33N Lon: 18.69E D: 5.8 Ag: TIR Local**  
**Magnitudes: 2.2ML TIR 2.6MW TIR Rms: 0.3 secs**  
**62 km W of Koplík**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PDG	HZ	48	76	EP		1443	1.295 0.17								1.0
PDG	HN	48	76	ES		1443	8.065-0.06								1.0
PDG	HZ	48	76	IAML		1443	8.859			128	0.1				
SDA	HZ	74	115	EP		1443	5.465-0.19								1.0
SDA	HE	74	115	ES		1443	6.458 0.13								1.0

SDA	HZ	74	115	IAML	1443	4.177			21	0.6					
PUK	HZ	104	107	EP	1443	1.044	0.11								1.0
PUK	HE	104	107	ES	1443	6.238	0.37								1.0
PUK	HZ	104	107	IAML	1443	8.816			30	0.2					
BCI	HZ	113	87	EP	1443	2.338	-0.11								1.0
BCI	HE	113	87	ES	1443	8.630	0.02								1.0
BCI	HZ	113	87	IAML	1444	2.508			49	0.3					
SJES	BZ	147	45	EP	1443	8.707	0.56								1.0
SJES	BE	147	45	ES	1444	8.493	-0.43								1.0
PHP	HZ	162	116	EP	1443	9.784	-0.71								0.9
PHP	HN	162	116	ES	1444	3.027	-0.15								0.9
PHP	HZ	162	116	IAML	1444	7.979			11	0.2					
BOSS	SZ	311	85	EP	1444	0.603	0.31								0.8

**December 25 2022 Hour: 4:22 57.7 Lat: 39.49N Lon: 20.63E D: 5.0F Ag: TIR Local**  
**Magnitudes: 2.0ML TIR Rms: 0.7 secs**  
**42 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
JAN	HZ	26	46	EP		0423	3.192	0.66							1.0
JAN	HN	26	46	ES		0423	6.527	0.09							1.0
SRN	HZ	69	309	EP		0423	9.516	-0.61							1.0
SRN	HN	69	309	ES		0423	0.221	0.05							1.0
SRN	HZ	69	309	IAML		0423	0.869			15	0.4				
KEK	HZ	76	289	EP		0423	0.772	-0.49							1.0
KEK	HN	76	289	ES		0423	2.418	0.18							1.0
KEK	HZ	76	289	IAML		0423	7.004			47	0.8				
LKD2	HZ	78	178	EP		0423	1.557	-0.11							1.0
LKD2	HE	78	178	ES		0423	3.203	0.24							1.0
PENT	HZ	90	29	EP		0423	2.178	-1.57							1.0
PENT	HN	90	29	ES		0423	7.134	0.40							1.0
NEST	HZ	109	19	EP		0423	6.368	-0.62							1.0
NEST	HN	109	19	ES		0423	2.215	-0.38							1.0
NEST	HZ	109	19	IAML		0423	1.028			15	0.4				
THL	HZ	119	86	EP		0423	8.151	-0.53							1.0
THL	HN	119	86	ES		0423	5.808	0.15							1.0
KBN	HZ	127	6	EP		0423	0.529	0.58							1.0
KBN	HN	127	6	ES		0423	9.121	1.16							1.0
KBN	HZ	127	6	IAML		0423	5.085			7	0.1				
KZN	HZ	133	47	EP		0423	1.082	0.03							1.0
VLS	HZ	146	181	EP		0423	3.277	0.14							1.0
VLS	HN	146	181	ES		0423	4.394	0.67							1.0
BERA	HZ	147	337	EP		0423	2.165	-1.09							1.0
BERA	HN	147	337	ES		0423	5.088	1.15							1.0
BERA	HZ	147	337	IAML		0423	7.201			14	0.6				

**December 25 2022 Hour: 5:16 14.6 Lat: 39.71N Lon: 20.75E D: 21.8 Ag: TIR Local**  
**Magnitudes: 2.1ML TIR Rms: 0.6 secs**  
**49 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
JAN	HZ	10	125	EP		0516	9.160	0.34							1.0
JAN	HN	10	125	ES		0516	2.277	0.03							1.0
IGT	HZ	41	242	EP		0516	2.409	-0.25							1.0
IGT	HN	41	242	ES		0516	9.125	-0.06							1.0
IGT	HZ	41	242	IAML		0516	1.414			139	0.7				
PENT	HZ	63	31	EP		0516	6.225	0.05							1.0
PENT	HN	63	31	ES		0516	5.406	-0.14							1.0
SRN	HZ	67	287	EP		0516	6.080	-0.67							1.0
SRN	HN	67	287	ES		0516	5.551	-1.05							1.0
SRN	HZ	67	287	IAML		0516	7.358			27	0.4				
KEK	HZ	82	271	EP		0516	8.755	-0.41							1.0
KEK	HE	82	271	ES		0516	1.768	0.81							1.0
KEK	HZ	82	271	IAML		0516	6.142			49	0.2				
NEST	HZ	82	18	EP		0516	9.334	0.07							1.0
NEST	HN	82	18	ES		0516	1.045	-0.10							1.0

NEST	HZ	82	18	IAML	0516	3.792		19	0.3					
KBN	HZ	102	2	EP	0516	2.737	0.37							1.0
KBN	HN	102	2	ES	0516	7.280	0.52							1.0
KBN	HZ	102	2	IAML	0516	1.716		7	0.4					
LKD2	HZ	102	185	EP	0516	2.860	0.38							1.0
LKD2	HN	102	185	ES	0516	7.834	0.87							1.0
THL	HZ	109	98	EP	0516	3.345	-0.17							1.0
KZN	HZ	109	52	EP	0516	4.316	0.74							1.0
KZN	HN	109	52	ES	0516	8.458	-0.49							1.0
THL	HN	109	98	ES	0516	8.111	-0.73							1.0
BERA	HZ	130	328	EP	0516	7.337	0.57							1.0
BERA	HN	130	328	ES	0516	4.598	-0.13							1.0
BERA	HZ	130	328	IAML	0516	8.774		20	0.3					
VLS	HZ	171	185	EP	0516	3.297	0.70							0.9
VLS	HE	171	185	ES	0517	3.969	-1.32							0.9

**December 25 2022 Hour: 11:41 50.9 Lat: 38.68N Lon: 20.58E D: 1.9 Ag: TIR Local**  
**Magnitudes: 2.1ML TIR Rms: 0.4 secs**  
**114 km S of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LKD2	HZ	14	29	EP		1141	3.300	-0.14							1.0
LKD2	HN	14	29	ES		1141	5.449	-0.02							1.0
VLS	HZ	56	179	EP		1142	0.641	-0.28							1.0
VLS	HN	56	179	ES		1142	8.957	-0.05							1.0
JAN	HZ	111	12	EP		1142	1.358	0.61							1.0
JAN	HN	111	12	ES		1142	7.207	0.41							1.0
KEK	HZ	133	330	EP		1142	3.546	-0.88							1.0
KEK	HN	133	330	ES		1142	3.338	-0.12							1.0
KEK	HZ	133	330	IAML		1142	7.197		21	0.6					
SRN	HZ	142	340	EP		1142	6.345	0.40							1.0
SRN	HN	142	340	ES		1142	6.560	0.36							1.0
SRN	HZ	142	340	IAML		1142	3.931		15	0.7					
THL	HZ	158	51	EP		1142	8.437	-0.16							0.9
THL	HN	158	51	ES		1142	0.590	-0.41							0.9
NEST	HZ	197	12	EP		1142	4.453	-0.21							0.9
NEST	HN	197	12	ES		1142	1.602	-0.37							0.9
NEST	HZ	197	12	IAML		1142	3.437		8	0.1					
ITM	HZ	204	144	EP		1142	6.293	0.74							0.9
ITM	HN	204	144	ES		1142	3.737	0.15							0.9

**December 25 2022 Hour: 21:46 4.6 Lat: 40.61N Lon: 20.83E D: 6.4 Ag: TIR Local**  
**Magnitudes: 2.5ML TIR 3.0MW TIR Rms: 0.4 secs**  
**3 km E of Korce**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KBN	HZ	3	292	EP		2146	6.080	0.06							1.0
KBN	HE	3	292	ES		2146	7.023	-0.15							1.0
KBN	HZ	3	292	IAML		2146	7.388		12977	0.1					
NEST	HZ	29	139	EP		2146	0.816	0.87							1.0
NEST	HE	29	139	ES		2146	3.916	-0.36							1.0
NEST	HZ	29	139	IAML		2146	7.778		528	0.2					
PENT	HZ	53	150	EP		2146	4.530	0.31							1.0
PENT	HE	53	150	ES		2146	1.774	-0.24							1.0
BERA	HN	75	278	ES		2146	6.513	-0.94							1.0
TPE	HN	77	243	ES		2146	8.179	-0.16							1.0
KZN	HZ	87	113	EP		2146	0.428	0.25							1.0
KZN	HN	87	113	ES		2146	2.797	-0.00							1.0
SRN	HZ	107	221	EP		2146	3.402	-0.10							1.0
SRN	HN	107	221	ES		2146	9.268	0.45							1.0
SRN	HZ	107	221	IAML		2146	6.651		34	0.4					
VLO	HZ	114	262	EP		2146	4.532	-0.04							1.0
VLO	HN	114	262	ES		2146	0.815	0.07							1.0
VLO	HZ	114	262	IAML		2146	7.005		88	0.3					
TIR	HZ	115	316	EP		2146	5.001	0.23							1.0
TIR	HZ	115	316	IAML		2146	5.312		19	0.5					

PHP	HZ	123	345	EP	2146	5.976	-0.24								1.0
PHP	HZ	123	345	IAML	2146	5.855			32	0.3					
KEK	HZ	133	222	EP	2146	7.218	-0.53								1.0
KEK	HZ	133	222	IAML	2146	9.964			47	0.6					
THL	HZ	154	139	EP	2146	0.846	-0.49								1.0
PUK	HZ	177	334	EP	2146	5.177	0.01								0.9
PUK	HE	177	334	ES	2146	9.858	-0.06								0.9
PUK	HZ	177	334	IAML	2147	0.245			18	0.4					
THE	HZ	181	89	EP	2146	5.330	-0.30								0.9
THE	HZ	181	89	IAML	2147	1.718			9	0.4					
SDA	HZ	194	326	IAML	2147	2.234			16	0.6					
LKD2	HZ	203	184	EP	2146	8.987	0.50								0.9
BCI	HZ	205	342	EP	2146	9.199	0.46								0.9
BCI	HZ	205	342	IAML	2147	6.833			28	0.5					
PLG	HZ	224	96	EP	2146	0.541	-0.61								0.9
NVR	HZ	269	71	EP	2146	6.979	0.06								0.9
VLS	HZ	271	184	EP	2146	6.921	-0.29								0.9
BERA	HZ	75	278	IAML	2146	8.326			210	0.1					
BERA	HZ			EP	2146	6.410									
TPE	HZ			EP	2146	6.958									

**December 25 2022 Hour: 22:54 17.5 Lat: 40.63N Lon: 20.75E D: 9.6 Ag: TIR Local**  
**Magnitudes: 2.0ML TIR Rms: 0.3 secs**

**2 km NW of Korce**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KBN	HZ	3	101	EP		2254	9.785	0.35							1.0
KBN	HN	3	101	ES		2254	0.730	-0.27							1.0
KBN	HZ	3	101	IAML		2254	1.071			876	0.1				
NEST	HZ	35	133	EP		2254	4.541	0.57							1.0
NEST	HN	35	133	ES		2254	8.757	-0.45							1.0
NEST	HZ	35	133	IAML		2254	0.968			77	0.1				
PENT	HZ	58	146	EP		2254	8.250	0.18							1.0
PENT	HN	58	146	ES		2254	6.663	0.04							1.0
BERA	HZ	68	277	EP		2254	9.370	-0.33							1.0
BERA	HE	68	277	ES		2254	9.457	-0.12							1.0
BERA	HZ	68	277	IAML		2254	1.806			31	0.1				
KZN	HZ	94	112	EP		2254	4.366	0.42							1.0
KZN	HE	94	112	ES		2254	6.819	-0.44							1.0
SRN	HZ	105	218	EP		2254	5.853	0.07							1.0
SRN	HE	105	218	ES		2254	0.606	0.02							1.0
THL	HZ	160	137	EP		2254	4.891	-0.05							0.9

**December 26 2022 Hour: 9:29 50.7 Lat: 40.60N Lon: 20.80E D: 6.7 Ag: TIR Local**  
**Magnitudes: 2.2ML TIR Rms: 0.7 secs**

**3 km SE of Korce**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KBN	HZ	3	337	EP		0929	1.810	-0.33							1.0
KBN	HN	3	337	ES		0929	2.641	-0.66							1.0
NEST	HZ	29	134	EP		0929	6.651	0.51							1.0
NEST	HE	29	134	ES		0930	1.524	0.98							1.0
NEST	HZ	29	134	IAML		0930	4.565			303	0.3				
PENT	HZ	53	147	EP		0930	0.312	-0.01							1.0
PENT	HN	53	147	ES		0930	8.837	0.74							1.0
BERA	HZ	73	279	EP		0930	3.431	-0.36							1.0
BERA	HN	73	279	ES		0930	3.960	-0.42							1.0
BERA	HZ	73	279	IAML		0930	8.754			129	0.2				
KZN	HZ	89	111	EP		0930	6.711	0.21							1.0
KZN	HN	89	111	ES		0930	8.813	-0.48							1.0
JAN	HZ	105	178	EP		0930	9.440	0.24							1.0
JAN	HN	105	178	ES		0930	3.698	-0.47							1.0
SRN	HZ	105	221	EP		0930	9.194	0.00							1.0
SRN	HN	105	221	ES		0930	4.773	0.61							1.0
SRN	HZ	105	221	IAML		0930	2.405			12	0.3				
PHP	HZ	124	346	EP		0930	2.517	0.08							1.0

PHP	HN	124	346	ES	0930	9.381-0.65									1.0
PHP	HZ	124	346	IAML	0930	4.147		13	0.4						
KEK	HZ	130	221	EP	0930	3.576 0.14									1.0
KEK	HN	130	221	ES	0930	1.554-0.28									1.0
KEK	HZ	130	221	IAML	0930	2.102		29	0.6						
THL	HZ	155	138	EP	0930	6.912-0.56									1.0
THL	HN	155	138	ES	0930	7.680-1.48									1.0
PUK	HZ	177	335	EP	0930	2.976 1.67									0.9
PUK	HN	177	335	ES	0930	6.688 0.59									0.9
PUK	HZ	177	335	IAML	0930	9.571		6	0.3						

**December 26 2022 Hour: 18:17 47.2 Lat: 41.11N Lon: 20.17E D: 4.1 Ag: TIR Local**  
**Magnitudes: 2.4ML TIR 3.1MW TIR Rms: 0.5 secs**  
**7 km E of Elbasan**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIR	HZ	37	316	EP		1817	3.847-0.03								1.0
TIR	HN	37	316	ES		1817	9.264-0.02								1.0
TIR	HZ	37	316	IAML		1818	4.517			102	0.3				
BERA	HZ	49	203	EP		1817	5.429-0.51								1.0
BERA	HE	49	203	ES		1818	3.221 0.21								1.0
BERA	HZ	49	203	IAML		1818	0.271			353	0.8				
BPA2	HZ	63	228	EP		1817	7.821-0.61								1.0
BPA2	HE	63	228	ES		1818	7.978 0.46								1.0
PHP	HZ	68	19	EP		1817	9.267-0.09								1.0
PHP	HN	68	19	ES		1818	9.461 0.26								1.0
PHP	HZ	68	19	IAML		1818	6.527			65	0.5				
LACI	HZ	70	327	EP		1817	9.529-0.20								1.0
LACI	HN	70	327	ES		1818	9.759-0.12								1.0
LACI	HZ	70	327	IAML		1818	3.370			74	0.4				
KBN	HZ	75	136	EP		1817	9.433-1.13								1.0
KBN	HE	75	136	ES		1818	1.799 0.42								1.0
KBN	HZ	75	136	IAML		1818	2.949			68	1.0				
VLO	HZ	91	219	EP		1818	3.704 0.22								1.0
VLO	HN	91	219	ES		1818	6.850 0.17								1.0
VLO	HZ	91	219	IAML		1818	3.472			68	0.4				
PUK	HZ	106	347	EP		1818	5.683-0.47								1.0
PUK	HN	106	347	ES		1818	1.415-0.08								1.0
PUK	HZ	106	347	IAML		1818	6.747			22	0.3				
NEST	HZ	107	136	EP		1818	4.944-1.26								1.0
NEST	HN	107	136	ES		1818	1.624 0.03								1.0
NEST	HZ	107	136	IAML		1818	0.526			50	0.4				
SDA	HZ	119	332	EP		1818	8.359 0.21								1.0
SDA	HN	119	332	ES		1818	5.167 0.06								1.0
SDA	HZ	119	332	IAML		1818	9.142			17	0.4				
PENT	HZ	130	141	EP		1818	9.844-0.25								1.0
SRN	HZ	137	186	EP		1818	2.334 1.14								1.0
SRN	HE	137	186	ES		1818	0.910 0.28								1.0
SRN	HZ	137	186	IAML		1818	6.436			31	0.6				
BCI	HZ	140	356	EP		1818	1.821 0.09								1.0
BCI	HE	140	356	ES		1818	1.681 0.07								1.0
BCI	HZ	140	356	IAML		1818	2.186			30	0.5				
KEK	HZ	158	192	EP		1818	5.093 0.38								0.9
KEK	HN	158	192	ES		1818	7.142 0.15								0.9
KEK	HZ	158	192	IAML		1818	7.654			72	0.8				
KZN	HZ	162	123	EP		1818	5.733 0.38								0.9
KZN	HE	162	123	ES		1818	7.839-0.32								0.9
PDG	HZ	165	333	EP		1818	5.922 0.02								0.9
PDG	HE	165	333	ES		1818	9.203 0.06								0.9
PDG	HZ	165	333	IAML		1818	2.603			24	0.5				
JAN	HZ	171	160	EP		1818	7.207 0.31								0.9
JAN	HE	171	160	ES		1818	1.321 0.38								0.9
SCTE	HZ	185	232	EP		1818	8.902-0.06								0.9
SCTE	HN	185	232	ES		1818	3.944-0.75								0.9
THL	HZ	232	137	EP		1818	5.369 0.33								0.9

THL	HE	232	137	ES		1818	5.289	-0.40									0.9
SJES	BZ	240	356	EP		1818	7.071	0.88									0.9
SJES	BN	240	356	ES		1818	7.843	0.07									0.9
SJES	BZ	240	356	IAML		1819	6.133		79	1.0							
BOSS	SZ	245	50	EP		1818	7.014	0.22									0.9
NOCI	HZ	264	263	EP		1818	8.727	-0.47									0.9
PLG	HZ	288	105	EP		1818	2.549	0.26									0.8
NVR	HZ	311	84	EP		1818	6.264	1.06									0.8
VLS	HZ	327	174	EP		1818	6.225	-1.07									0.8

**December 27 2022 Hour: 10:26 34.1 Lat: 40.61N Lon: 20.76E D: 8.3 Ag: TIR Local**  
**Magnitudes: 2.1ML TIR Rms: 0.3 secs**

**2 km W of Korce**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KBN	HZ	3	60	EP		1026	5.782	0.04							1.0
KBN	HN	3	60	ES		1026	6.731	-0.38							1.0
KBN	HZ	3	60	IAML		1026	7.019		1449	0.1					
NEST	HZ	33	132	EP		1026	0.516	0.37							1.0
NEST	HE	33	132	ES		1026	5.260	0.18							1.0
NEST	HZ	33	132	IAML		1026	7.971		110	0.1					
PENT	HZ	56	145	EP		1026	4.327	0.09							1.0
BERA	HZ	69	279	EP		1026	6.995	0.51							1.0
BERA	HN	69	279	ES		1026	6.308	-0.25							1.0
BERA	HZ	69	279	IAML		1026	7.824		24	0.1					
KZN	HZ	92	111	EP		1026	0.578	0.22							1.0
KZN	HE	92	111	ES		1027	3.033	-0.52							1.0
SRN	HZ	104	219	EP		1026	2.257	0.03							1.0
SRN	HE	104	219	ES		1027	6.667	-0.29							1.0

**December 27 2022 Hour: 11:18 1.5 Lat: 40.64N Lon: 20.81E D: 8.0 Ag: TIR Local**  
**Magnitudes: 2.8ML TIR 3.3MW TIR Rms: 0.4 secs**

**3 km NE of Korce**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KBN	HZ	2	237	EP		1118	3.352	0.24							1.0
KBN	HN	2	237	ES		1118	4.206	-0.23							1.0
KBN	HZ	2	237	IAML		1118	4.590		11777	0.1					
NEST	HZ	32	141	EP		1118	8.172	0.81							1.0
NEST	HN	32	141	ES		1118	1.956	-0.18							1.0
NEST	HZ	32	141	IAML		1118	7.035		973	0.2					
PENT	HZ	56	150	EP		1118	1.920	0.29							1.0
PENT	HE	56	150	ES		1118	9.450	-0.41							1.0
BERA	HZ	73	276	EP		1118	3.940	-0.65							1.0
BERA	HZ	73	276	IAML		1118	0.310		440	0.4					
KZN	HZ	89	114	EP		1118	7.597	0.31							1.0
KZN	HN	89	114	ES		1118	0.169	0.08							1.0
SRN	HZ	109	220	EP		1118	0.561	0.09							1.0
SRN	HN	109	220	ES		1118	5.652	-0.21							1.0
SRN	HZ	109	220	IAML		1118	3.971		58	0.4					
TIR	HZ	112	315	EP		1118	0.521	-0.56							1.0
TIR	HN	112	315	ES		1118	7.117	0.14							1.0
TIR	HZ	112	315	IAML		1118	3.385		34	0.5					
VLO	HZ	113	261	EP		1118	1.436	0.23							1.0
VLO	HE	113	261	ES		1118	8.199	1.01							1.0
VLO	HZ	113	261	IAML		1118	3.372		154	0.4					
PHP	HE	121	345	ES		1118	8.908	-0.64							1.0
PHP	HZ	121	345	IAML		1118	3.186		57	0.4					
KEK	HZ	134	220	EP		1118	4.467	-0.24							1.0
KEK	HN	134	220	ES		1118	2.974	-0.55							1.0
KEK	HZ	134	220	IAML		1118	3.677		92	0.3					
LACI	HZ	144	321	EP		1118	6.509	0.11							1.0
LACI	HN	144	321	ES		1118	7.124	0.53							1.0
LACI	HZ	144	321	IAML		1118	9.694		62	1.2					
THL	HZ	157	139	EP		1118	8.364	-0.17							1.0
PUK	HN	174	334	ES		1118	5.643	-0.10							0.9

PUK	HZ	174	334	IAML		1119	0.539			29	0.8						
THE	HZ	182	89	EP		1118	2.269	-0.16									0.9
PLG	HZ	225	97	EP		1118	8.216	0.23									0.9

**December 27 2022 Hour: 11:44 33.5 Lat: 42.51N Lon: 19.93E D: 6.9 Ag: TIR Local**  
**Magnitudes: 2.5ML TIR Rms: 0.2 secs**

**20 km NW of Bajram\_Curri**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BCI	HZ	19	143	EP		1144	7.476	0.27							1.0
BCI	HE	19	143	ES		1144	9.847	-0.34							1.0
BCI	HZ	19	143	IAML		1144	1.879			825	0.3				
PUK	HZ	51	183	EP		1144	3.137	0.33							1.0
PUK	HE	51	183	ES		1144	0.436	0.11							1.0
PUK	HZ	51	183	IAML		1144	1.130			188	0.5				
PDG	HZ	55	262	EP		1144	3.375	-0.12							1.0
PDG	HN	55	262	ES		1144	1.417	-0.15							1.0
PDG	HZ	55	262	IAML		1144	4.783			152	0.3				
SDA	HZ	62	215	EP		1144	4.428	-0.16							1.0
SDA	HN	62	215	ES		1144	3.635	0.09							1.0
SDA	HZ	62	215	IAML		1144	6.224			131	0.3				
LACI	HZ	98	190	EP		1144	1.192	0.37							1.0
LACI	HE	98	190	ES		1145	4.677	-0.15							1.0
LACI	HZ	98	190	IAML		1145	9.926			37	0.5				
PHP	HZ	101	155	EP		1144	1.150	-0.14							1.0
PHP	HN	101	155	ES		1145	5.542	-0.14							1.0
PHP	HZ	101	155	IAML		1145	7.948			35	0.3				
TIR	HZ	129	182	EP		1144	5.984	0.04							1.0
TIR	HZ	129	182	IAML		1145	4.325			24	0.4				

**December 27 2022 Hour: 11:54 47.7 Lat: 40.65N Lon: 20.77E D: 9.8 Ag: TIR Local**  
**Magnitudes: 2.4ML TIR Rms: 0.3 secs**

**3 km N of Korce**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KBN	HZ	3	157	EP		1154	9.876	0.19							1.0
KBN	HE	3	157	ES		1154	1.065	-0.22							1.0
KBN	HZ	3	157	IAML		1154	1.143			2861	0.1				
NEST	HZ	35	138	EP		1154	4.710	0.42							1.0
NEST	HN	35	138	ES		1154	9.651	0.02							1.0
NEST	HZ	35	138	IAML		1155	1.764			290	0.1				
PENT	HZ	59	148	EP		1154	8.480	0.02							1.0
PENT	HN	59	148	ES		1155	7.378	0.19							1.0
BERA	HZ	70	275	EP		1155	0.157	0.04							1.0
BERA	HN	70	275	ES		1155	0.247	0.07							1.0
BERA	HZ	70	275	IAML		1155	2.077			49	0.1				
KZN	HZ	93	114	EP		1155	4.317	0.27							1.0
KZN	HE	93	114	ES		1155	7.223	-0.06							1.0
SRN	HZ	108	218	EP		1155	6.190	-0.29							1.0
SRN	HE	108	218	ES		1155	1.797	0.11							1.0
SRN	HZ	108	218	IAML		1155	4.758			12	0.6				
THL	HZ	161	138	EP		1155	4.404	-0.86							0.9

**December 27 2022 Hour: 12:39 39.6 Lat: 40.63N Lon: 20.77E D: 10.2 Ag: TIR Local**  
**Magnitudes: 2.1ML TIR Rms: 0.3 secs**

**2 km NW of Korce**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KBN	HZ	2	101	EP		1239	1.637	0.04							1.0
KBN	HE	2	101	ES		1239	2.822	-0.38							1.0
KBN	HZ	2	101	IAML		1239	2.953			528	0.1				
NEST	HZ	34	134	EP		1239	6.517	0.59							1.0
NEST	HN	34	134	ES		1239	1.273	0.21							1.0
NEST	HZ	34	134	IAML		1239	3.369			76	0.2				
PENT	HZ	57	146	EP		1239	9.841	-0.15							1.0
PENT	HN	57	146	ES		1239	8.095	-0.31							1.0
KZN	HZ	92	112	EP		1239	6.064	0.26							1.0

KZN HE 92 112 ES 1240 8.671-0.26 1.0

**December 27 2022 Hour: 17:34 8.3 Lat: 40.13N Lon: 19.88E D: 14.1 Ag: TIR Local**  
**Magnitudes: 2.1ML TIR Rms: 0.6 secs**

**11 km E of Himare**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRN	HZ	30	159	EP		1734	3.979	-0.09							1.0
SRN	HN	30	159	ES		1734	9.169	0.44							1.0
SRN	HZ	30	159	IAML		1734	9.982			142	0.4				
KEK	HZ	47	188	EP		1734	6.467	-0.38							1.0
KEK	HN	47	188	ES		1734	4.543	0.79							1.0
KEK	HZ	47	188	IAML		1734	4.677			124	0.2				
VLO	HZ	50	320	EP		1734	7.462	0.12							1.0
VLO	HN	50	320	ES		1734	5.034	0.37							1.0
VLO	HZ	50	320	IAML		1734	0.124			219	0.5				
BERA	HZ	64	6	EP		1734	9.059	-0.67							1.0
BERA	HN	64	6	ES		1734	9.241	0.27							1.0
BERA	HZ	64	6	IAML		1734	0.062			173	0.2				
KBN	HZ	95	54	EP		1734	4.537	-0.37							1.0
KBN	HE	95	54	ES		1734	9.126	0.77							1.0
KBN	HZ	95	54	IAML		1734	0.673			28	1.3				
JAN	HZ	99	122	EP		1734	5.246	-0.23							1.0
JAN	HE	99	122	ES		1734	9.323	-0.06							1.0
NEST	HZ	105	72	EP		1734	6.452	-0.10							1.0
NEST	HE	105	72	ES		1734	2.058	0.73							1.0
NEST	HZ	105	72	IAML		1734	6.478			22	0.3				
PENT	HZ	108	86	EP		1734	6.884	-0.19							1.0
PENT	HN	108	86	ES		1734	1.916	-0.35							1.0
SCTE	HZ	120	267	EP		1734	8.882	-0.19							1.0
SCTE	HN	120	267	ES		1734	5.875	-0.02							1.0
KZN	HE	163	82	ES		1734	8.498	-0.12							0.9
LKD2	HZ	163	155	EP		1734	6.061	-0.12							0.9
LKD2	HN	163	155	ES		1734	8.457	-0.29							0.9
KZN	HZ	163	82	EP		1734	6.193	0.09							0.9
LACI	HZ	168	356	EP		1734	6.146	-0.61							0.9
LACI	HN	168	356	ES		1735	0.531	0.73							0.9
LACI	HZ	168	356	IAML		1735	6.102			11	0.7				
PHP	HZ	179	15	EP		1734	7.407	-0.87							0.9
PHP	HE	179	15	ES		1735	3.171	0.62							0.9
PHP	HZ	179	15	IAML		1735	6.487			8	1.0				
THL	HZ	193	108	EP		1734	0.670	0.65							0.9
PUK	HZ	213	0	EP		1734	0.213	-2.37							0.9
PUK	HN	213	0	ES		1735	0.790	0.46							0.9
PUK	HZ	213	0	IAML		1735	1.443			6	2.1				
VLS	HZ	225	164	EP		1734	4.312	0.18							0.9
VLS	HE	225	164	ES		1735	3.147	-0.00							0.9
NOCI	HZ	249	288	EP		1734	7.617	0.37							0.9
NOCI	HE	249	288	ES		1735	9.270	0.49							0.9
PLG	HZ	305	84	EP		1734	4.195	-0.17							0.8
MRVN	HZ	328	290	EP		1734	7.349	-0.02							0.8

**December 28 2022 Hour: 13:22 10.7 Lat: 39.19N Lon: 20.65E D: 3.0 Ag: TIR Local**  
**Magnitudes: 2.6ML TIR Rms: 0.5 secs**

**65 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LKD2	HZ	44	179	EP		1322	8.038	-0.61							1.0
LKD2	HE	44	179	ES		1322	5.468	0.40							1.0
IGT	HZ	47	325	EP		1322	8.291	-0.84							1.0
IGT	HN	47	325	ES		1322	6.064	0.11							1.0
IGT	HZ	47	325	IAML		1322	1.791			160	0.3				
JAN	HZ	55	18	EP		1322	0.544	0.02							1.0
JAN	HN	55	18	ES		1322	8.281	-0.19							1.0
KEK	HZ	94	309	EP		1322	7.651	0.21							1.0
KEK	HN	94	309	ES		1322	1.350	0.35							1.0

KEK	HZ	94	309	IAML	1322	5.969			114	0.6					
SRN	HZ	95	324	EP	1322	7.810	0.13								1.0
SRN	HE	95	324	ES	1322	1.863	0.43								1.0
SRN	HZ	95	324	IAML	1322	4.744			51	0.3					
VLS	HZ	112	183	EP	1322	0.372	-0.30								1.0
VLS	HN	112	183	ES	1322	6.754	-0.09								1.0
PENT	HZ	120	20	EP	1322	1.329	-0.59								1.0
PENT	HE	120	20	ES	1322	8.107	-0.99								1.0
THL	HZ	125	70	EP	1322	2.934	0.20								1.0
THL	HN	125	70	ES	1322	1.676	1.10								1.0
NEST	HZ	140	14	EP	1322	5.460	0.05								1.0
BERA	HZ	179	341	EP	1322	2.412	0.72								0.9
BERA	HZ	179	341	IAML	1323	2.238			43	0.3					

**December 29 2022 Hour: 9:30 58.8 Lat: 40.01N Lon: 20.10E D: 18.0 Ag: TIR Local**  
**Magnitudes: 2.2ML TIR Rms: 0.2 secs**  
**6 km N of Delvine**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRN	HZ	17	211	EP		0931	3.270	0.14							1.0
SRN	HN	17	211	ES		0931	6.743	0.13							1.0
SRN	HZ	17	211	IAML		0931	8.023			309	0.2				
TPE	HZ	33	347	EP		0931	5.325	0.01							1.0
TPE	HE	33	347	ES		0931	0.612	0.05							1.0
TPE	HZ	33	347	IAML		0931	3.379			62	0.2				
KEK	HZ	42	218	EP		0931	6.818	0.03							1.0
KEK	HN	42	218	ES		0931	3.038	-0.19							1.0
KEK	HZ	42	218	IAML		0931	4.360			152	0.2				
JAN	HZ	75	121	EP		0931	1.815	-0.35							1.0
JAN	HN	75	121	ES		0931	2.748	-0.22							1.0
BERA	HZ	78	350	EP		0931	2.664	0.03							1.0
BERA	HE	78	350	ES		0931	3.410	-0.41							1.0
PENT	HZ	91	76	EP		0931	4.805	0.02							1.0
PENT	HN	91	76	ES		0931	7.979	0.28							1.0
NEST	HZ	92	61	EP		0931	5.069	0.03							1.0
NEST	HN	92	61	ES		0931	8.236	0.07							1.0
NEST	HZ	92	61	IAML		0931	0.679			15	0.4				
SCTE	HZ	140	273	EP		0931	2.973	0.20							1.0
LKD2	HZ	144	160	EP		0931	3.871	0.46							1.0
LKD2	HN	144	160	ES		0931	3.081	-0.24							1.0

**December 29 2022 Hour: 17:45 51.9 Lat: 39.33N Lon: 20.42E D: 1.8 Ag: TIR Local**  
**Magnitudes: 2.1ML TIR Rms: 0.2 secs**  
**42 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
JAN	HZ	52	45	EP		1746	1.383	0.25							1.0
LKD2	HZ	63	161	EP		1746	3.103	-0.01							1.0
LKD2	HN	63	161	ES		1746	2.038	-0.19							1.0
KEK	HZ	69	309	EP		1746	4.013	-0.16							1.0
KEK	HN	69	309	ES		1746	4.360	0.21							1.0
KEK	HZ	69	309	IAML		1746	5.933			42	0.2				
SRN	HZ	72	329	EP		1746	4.635	-0.00							1.0
SRN	HN	72	329	ES		1746	4.825	-0.16							1.0
SRN	HZ	72	329	IAML		1746	5.101			11	0.5				
PENT	HZ	114	32	EP		1746	2.361	0.08							1.0
PENT	HN	114	32	ES		1746	8.839	0.02							1.0
VLS	HZ	128	174	EP		1746	4.848	0.27							1.0
NEST	HZ	132	24	EP		1746	4.951	-0.30							1.0
NEST	HZ	132	24	IAML		1746	2.461			18	0.6				

December 30 2022 Hour: 23:11 15.6 Lat: 39.65N Lon: 20.67E D: 14.1 Ag: TIR Local  
 Magnitudes: 3.7ML TIR 3.9MW TIR Rms: 0.8 secs  
 42 km E of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
JAN	HZ	15	85	EP		2311	9.971	0.64							1.0
JAN	HN	15	85	ES		2311	2.530	0.18							1.0
IGT	HZ	32	247	EP		2311	1.645	-0.08							1.0
IGT	HN	32	247	ES		2311	6.722	0.03							1.0
IGT	HZ	32	247	IAML		2311	8.734		6590	0.2					1.0
SRN	HZ	63	295	EP		2311	6.054	-0.81							1.0
SRN	HN	63	295	ES		2311	5.833	-0.16							1.0
SRN	HZ	63	295	IAML		2311	6.177		1649	1.3					1.0
PENT	HZ	73	33	EP		2311	8.310	-0.24							1.0
PENT	HE	73	33	ES		2311	8.991	-0.06							1.0
KEK	HZ	75	276	EP		2311	8.526	-0.37							1.0
KEK	HN	75	276	ES		2311	9.710	0.04							1.0
KEK	HZ	75	276	IAML		2311	3.051		3532	0.4					1.0
NEST	HZ	91	20	EP		2311	1.890	0.29							1.0
NEST	HE	91	20	ES		2311	4.414	-0.14							1.0
NEST	HZ	91	20	IAML		2311	8.361		1846	0.7					1.0
LKD2	HZ	95	181	EP		2311	2.709	0.52							1.0
LKD2	HN	95	181	ES		2311	6.051	0.42							1.0
KBN	HZ	109	5	EP		2311	3.937	-0.61							1.0
KBN	HN	109	5	ES		2311	9.720	-0.18							1.0
KBN	HZ	109	5	IAML		2311	6.648		661	0.7					1.0
THL	HZ	116	94	EP		2311	5.369	-0.21							1.0
THL	HN	116	94	ES		2311	1.840	0.07							1.0
KZN	HZ	119	52	EP		2311	6.290	0.06							1.0
BERA	HZ	133	333	EP		2311	6.801	-1.62							1.0
BERA	HE	133	333	ES		2311	7.056	0.15							1.0
BERA	HZ	133	333	IAML		2312	7.697		958	0.6					1.0
VLO	HZ	136	313	EP		2311	9.972	1.02							1.0
VLO	HN	136	313	ES		2311	8.301	0.43							1.0
VLO	HZ	136	313	IAML		2312	3.195		1233	0.4					1.0
BPA2	HZ	150	324	EP		2311	1.916	0.56							1.0
VLS	HZ	163	183	EP		2311	3.655	0.22							0.9
SCTE	HZ	195	285	EP		2311	6.315	-1.15							0.9
TIR	HZ	201	340	EP		2311	8.403	0.10							0.9
TIR	HZ	201	340	IAML		2312	7.646		205	0.8					0.9
THE	HZ	224	60	EP		2311	1.654	0.43							0.9
THE	HZ	224	60	IAML		2312	8.536		62	0.5					0.9
LACI	HZ	235	340	EP		2311	2.537	-0.16							0.9
PLG	HZ	250	70	EP		2311	4.421	-0.21							0.9
PLG	HE	250	70	ES		2312	4.341	-1.91							0.9
PUK	HZ	274	346	EP		2311	8.002	0.23							0.8
PUK	HZ	274	346	IAML		2312	4.669		89	0.4					0.8
PUK	HN	274	346	ES		2312	5.270	3.33							0.8
SDA	HZ	285	340	EP		2311	8.610	-0.41							0.8
SDA	HZ	285	340	IAML		2313	4.434		94	1.4					0.8
ITM	HZ	295	158	EP		2312	0.578	0.23							0.8
BCI	HZ	307	351	EP		2312	3.092	1.23							0.8
BCI	HZ	307	351	IAML		2312	2.012		216	0.9					0.8
NVR	HZ	330	54	EP		2312	5.013	0.11							0.8
PDG	HZ	331	339	EP		2312	4.757	-0.22							0.8
PDG	HZ	331	339	IAML		2313	9.556		81	0.6					0.8
BOSS	SZ	351	25	EP		2312	7.952	0.40							0.8
BARS	BZ	365	15	EP		2312	9.745	0.40							0.8
SJES	BZ	406	352	EP		2312	4.225	-0.47							0.7
MRVN	HZ	411	294	EP		2312	3.081	-2.25							0.7

**December 31 2022 Hour: 0:31 31.8 Lat: 39.70N Lon: 20.65E D: 4.1 Ag: TIR Local**  
**Magnitudes: 2.0ML TIR 2.5MW TIR Rms: 0.3 secs**  
**40 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
JAN	HZ	18	104	EP		0031	5.662	0.51							1.0
JAN	HN	18	104	ES		0031	8.088	0.24							1.0
IGT	HZ	33	236	EP		0031	7.405	-0.30							1.0
IGT	HN	33	236	ES		0031	2.560	0.09							1.0
IGT	HZ	33	236	IAML		0031	6.653			99	0.2				1.0
SRN	HZ	59	290	EP		0031	2.636	0.26							1.0
SRN	HE	59	290	ES		0031	1.034	0.10							1.0
SRN	HZ	59	290	IAML		0031	4.158			18	0.5				1.0
PENT	HZ	69	37	EP		0031	4.531	0.27							1.0
PENT	HE	69	37	ES		0031	4.461	0.13							1.0
KEK	HZ	73	272	EP		0031	4.228	-0.61							1.0
KEK	HN	73	272	ES		0031	5.598	0.21							1.0
KEK	HZ	73	272	IAML		0031	9.919			43	0.6				1.0
NEST	HZ	87	23	EP		0031	7.260	-0.07							1.0
NEST	HN	87	23	ES		0031	9.357	-0.53							1.0
NEST	HZ	87	23	IAML		0032	4.240			17	0.4				1.0
LKD2	HZ	101	179	EP		0031	9.913	0.10							1.0
LKD2	HE	101	179	ES		0032	4.467	0.08							1.0
KBN	HZ	104	7	EP		0031	9.989	-0.28							1.0
KBN	HN	104	7	ES		0032	5.532	0.32							1.0
KZN	HZ	117	54	EP		0031	2.335	-0.26							1.0
THL	HZ	118	97	EP		0031	2.490	-0.20							1.0
THL	HE	118	97	ES		0032	9.528	-0.06							1.0
BERA	HZ	126	332	EP		0031	3.930	-0.12							1.0
VLS	HZ	169	182	EP		0032	0.525	-0.61							0.9
SCTE	HZ	191	283	EP		0032	4.927	0.51							0.9
PUK	HZ	268	347	EP		0032	4.670	0.28							0.9
PUK	HZ	268	347	IAML	A	0033	7.994			3	1.4				0.9

**December 31 2022 Hour: 17:13 47.0 Lat: 39.37N Lon: 20.85E D: 21.1 Ag: TIR Local**  
**Magnitudes: 2.5ML TIR 3.1MW TIR Rms: 0.4 secs**  
**65 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
JAN	HZ	32	1	EP		1713	3.788	0.17							1.0
JAN	HN	32	1	ES		1713	8.774	-0.20							1.0
IGT	HZ	48	292	EP		1713	5.612	-0.42							1.0
IGT	HN	48	292	ES		1714	3.432	0.08							1.0
IGT	HZ	48	292	IAML		1714	5.662			258	0.3				1.0
LKD2	HZ	67	194	EP		1713	9.004	-0.10							1.0
LKD2	HN	67	194	ES		1714	9.246	0.34							1.0
SRN	HZ	92	308	EP		1714	2.951	-0.23							1.0
SRN	HN	92	308	ES		1714	6.978	0.70							1.0
SRN	HZ	92	308	IAML		1714	0.358			50	0.3				1.0
PENT	HZ	95	15	EP		1714	3.388	-0.31							1.0
PENT	HN	95	15	ES		1714	6.957	-0.26							1.0
KEK	HZ	98	293	EP		1714	3.818	-0.33							1.0
KEK	HN	98	293	ES		1714	8.201	0.17							1.0
KEK	HZ	98	293	IAML		1714	1.659			144	0.4				1.0
THL	HZ	103	78	EP		1714	4.660	-0.26							1.0
THL	HN	103	78	ES		1714	9.546	0.12							1.0
NEST	HZ	117	8	EP		1714	7.314	0.06							1.0
NEST	HE	117	8	ES		1714	4.196	0.55							1.0
NEST	HZ	117	8	IAML		1714	0.844			43	0.7				1.0
KZN	HZ	130	37	EP		1714	8.990	-0.36							1.0
KZN	HN	130	37	ES		1714	7.674	0.22							1.0
VLS	HZ	135	190	EP		1714	0.144	0.17							1.0
VLS	HN	135	190	ES		1714	8.819	0.24							1.0
KBN	HZ	139	358	EP		1714	1.353	0.65							1.0
KBN	HN	139	358	ES		1714	0.298	0.41							1.0

KBN	HZ	139	358	IAML	1714	3.540			32	0.4				
BERA	HZ	166	333	EP	1714	4.662	0.16							0.9
BERA	HN	166	333	ES	1714	7.329	0.56							0.9
BERA	HZ	166	333	IAML	1714	0.020			38	0.4				
SCTE	HZ	218	292	EP	1714	0.195	-0.98							0.9
PLG	HZ	248	63	EP	1714	5.279	0.21							0.9
PLG	HN	248	63	ES	1714	5.767	-0.14							0.9
PUK	HZ	307	345	EP	1714	2.443	-0.22							0.8
PUK	HN	307	345	ES	1715	8.703	-0.95							0.8
PUK	HZ	307	345	IAML	1715	5.747			3	1.0				
MRVN	HZ	438	297	EP	1714	8.558	-0.84							0.7

**December 31 2022 Hour: 19:20 27.3 Lat: 38.71N Lon: 20.54E D: 12.7 Ag: TIR Local**  
**Magnitudes: 2.7ML TIR 3.5MW TIR Rms: 0.9 secs**  
**110 km S of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LKD2	HZ	14	48	EP		1920	0.183	-0.49							1.0
LKD2	HN	14	48	ES		1920	2.363	-1.02							1.0
VLS	HZ	59	176	EP		1920	8.185	0.28							1.0
VLS	HN	59	176	ES		1920	6.468	-0.00							1.0
IGT	HZ	93	349	EP		1920	3.674	0.04							1.0
IGT	HN	93	349	ES		1920	7.124	0.29							1.0
IGT	HZ	93	349	IAML		1921	2.094			99	0.3				
JAN	HZ	109	14	EP		1920	6.647	0.44							1.0
JAN	HN	109	14	ES		1921	1.768	0.28							1.0
KEK	HZ	129	330	EP		1920	0.336	0.80							1.0
KEK	HN	129	330	ES		1921	8.257	0.75							1.0
KEK	HZ	129	330	IAML		1921	3.824			119	0.6				
SRN	HZ	138	340	EP		1920	1.854	0.75							1.0
SRN	HN	138	340	ES		1921	0.963	0.61							1.0
SRN	HZ	138	340	IAML		1921	9.979			65	0.6				
THL	HZ	159	53	EP		1920	3.811	-0.73							0.9
THL	HN	159	53	ES		1921	6.803	0.22							0.9
PENT	HZ	173	17	EP		1920	6.809	0.09							0.9
PENT	HN	173	17	ES		1921	0.911	0.40							0.9
NEST	HZ	195	13	EP		1921	0.121	0.66							0.9
NEST	HN	195	13	ES		1921	5.772	0.29							0.9
NEST	HZ	195	13	IAML		1921	3.314			38	0.2				
KZN	HZ	207	30	EP		1921	2.710	1.71							0.9
KZN	HN	207	30	ES		1921	9.201	0.94							0.9
ITM	HZ	209	144	EP		1921	1.980	0.77							0.9
ITM	HN	209	144	ES		1921	9.279	0.64							0.9
BERA	HZ	227	347	EP		1921	3.276	-0.27							0.9
BERA	HN	227	347	ES		1921	4.269	1.39							0.9
BERA	HZ	227	347	IAML		1921	0.805			23	0.5				
SCTE	HZ	234	311	EP		1921	3.080	-1.37							0.9
PLG	HZ	311	53	EP		1921	3.319	-0.96							0.8
PLG	HN	311	53	ES		1921	1.543	-0.76							0.8
PUK	HZ	374	352	EP		1921	1.132	-1.38							0.8
PUK	HN	374	352	ES		1922	6.102	-1.11							0.8
PUK	HZ	374	352	IAML		1922	3.550			2	0.4				
SDA	HZ	382	347	EP		1921	1.436	-1.89							0.8
SDA	HN	382	347	ES		1922	7.213	-1.45							0.8
SDA	HZ	382	347	IAML		1922	8.834			2	0.5				
BCI	HZ	408	355	EP		1921	5.745	-1.07							0.7
BCI	HN	408	355	ES		1922	3.943	-1.04							0.7
BCI	HZ	408	355	IAML		1922	4.791			5	0.8				
MRVN	HZ	454	306	EP		1921	0.912	-1.81							0.7