

# Seismological Bulletin

from the

## Albanian Seismic Network (ASN)

December

2021

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## GENERAL BULLETIN INFORMATION

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

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

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

Magnitudes are calculated from amplitudes.

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

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

where,  $D$  is the hypocentral distance (km).

All available amplitude values are used for the magnitude assessment. No station corrections are used for either travel times or magnitude. The  $V_p/V_s$  velocity ratio, used in the layered velocity model above, is 1.81.

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

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

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

#### STATIONS USED

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

STATION	LATITUDE	LONGITUDE	HEIGHT(m)	NAME
BCI	42.3666N	20.0675E	500	Bajram Curri
PUK	42.0426N	19.8926E	900	Puke
PHP	41.6847N	20.4408E	670	Peshkopi
SDA	42.0500N	19.5000E	30	Shkoder
TIR	41.3472N	19.8631E	247	Tirane
BERA	40.7100N	19.9500E	234	Berat
KBN	40.6200N	20.7900E	800	Korce
VLO	40.4700N	19.5000W	50	Vlore
SRN	39.8800N	20.0050W	20	Sarande
LSK	40.1499N	20.5987W	960	Leskovik
BPA1	40.7232N	19.6560E	10	Marinza Oilfield
BPA2	40.7302N	19.6187E	25	Marinza Oilfield

#### REGIONAL STATIONS

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

#### MACROSEISMIC DATA

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

## Abbreviations:

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

LAT: Latitude of epicenter

LON: Longitude of epicenter

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

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

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

RMS: Root mean square value of travel time residuals

STAT: Station code

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

DIST: Epicenter distance (km)

AZI: Azimuth from source to station

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

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

HR: Hour

MN: Minute

SECON: Seconds

TRES: Residual (seconds)

CODA: Signal duration in seconds

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

PERI: Period where amplitude is measured

BAZ: Back azimuth (station to event)

ARES: Back azimuth residual

VELO: Apparent phase velocity (km/sec)

WT: Weight of phase in the location

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

## References:

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

**December 1 2021 Hour: 7:13 55.0 Lat: 41.62N Lon: 20.86E D: 7.7 Ag: TIR Local**  
**Magnitudes: 2.4ML TIR Rms: 0.2 secs**  
**36 km E of Peshkopi**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PHP	HZ	35	281	EP		714	1.680	.160							1.0
PHP	HN	35	281	ES		714	6.71-	.060							1.0
PHP	HZ	35	281	IAML		714	7.55			315	0.1				
TIR	HZ	88	250	EP		714	10.45-	.230							1.0
TIR	HN	88	250	ES		714	23.12-	.230							1.0
TIR	HZ	88	250	IAML		714	26.19			21	0.3				
PUK	HZ	93	301	EP		714	11.10-	.360							1.0
PUK	HN	93	301	ES		714	24.800	.040							1.0
PUK	HZ	93	301	IAML		714	28.62			27	0.2				
BCI	HZ	105	322	EP		714	13.55-	.000							1.0
BCI	HN	105	322	ES		714	28.54-	.010							1.0
BCI	HZ	105	322	IAML		714	32.19			40	0.4				
KBN	HZ	111	183	EP		714	14.560	.030							1.0
KBN	HN	111	183	ES		714	30.29-	.020							1.0
KBN	HZ	111	183	IAML		714	31.84			38	0.3				
SDA	HZ	122	293	EP		714	16.500	.160							1.0
SDA	HE	122	293	ES		714	33.690	.100							1.0
SDA	HZ	122	293	IAML		714	40.99			22	0.3				
BERA	HN	127	217	ES		714	35.380	.230							1.0
PDG	HZ	160	305	EP		714	22.780	.210							0.9
PDG	HN	160	305	ES		714	44.980	.100							0.9
PDG	HZ	160	305	IAML		714	49.49			21	0.3				
LSK	HZ	165	188	EP		714	23.41-	.110							0.9
LSK	HN	165	188	ES		714	46.760	.170							0.9
LSK	HZ	165	188	IAML		714	51.49			38	0.6				
SRN	HZ	207	201	EP		714	29.03-	.140							0.9
SRN	HZ	207	201	IAML		714	58.58			17	0.5				

**December 1 2021 Hour: 7:21 12.2 Lat: 41.64N Lon: 20.87E D: 14.2 Ag: TIR Local**  
**Magnitudes: 2.8ML TIR Rms: 0.5 secs**  
**38 km E of Peshkopi**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PHP	HZ	36	278	EP		721	19.140	.040							1.0
PHP	HN	36	278	ES		721	24.24-	.430							1.0
PHP	HZ	36	278	IAML		721	24.75			805	0.1				
TIR	HZ	90	249	EP		721	27.78-	.180							1.0
TIR	HN	90	249	ES		721	40.840	.130							1.0
TIR	HZ	90	249	IAML		721	47.27			29	0.2				
PUK	HZ	93	299	EP		721	28.42-	.070							1.0
PUK	HN	93	299	ES		721	41.720	.060							1.0
PUK	HZ	93	299	IAML		721	46.39			86	0.3				
BCI	HZ	105	321	EP		721	30.19-	.260							1.0
BCI	HN	105	321	ES		721	44.95-	.260							1.0
BCI	HZ	105	321	IAML		721	51.26			146	0.3				
KBN	HZ	113	184	EP		721	31.950	.140							1.0
KBN	HE	113	184	ES		721	47.65-	.010							1.0
KBN	HZ	113	184	IAML		721	51.81			100	0.4				
SDA	HZ	123	292	EP		721	33.620	.210							1.0
SDA	HN	123	292	ES		721	50.710	.150							1.0
SDA	HZ	123	292	IAML		721	58.48			60	0.2				
BERA	HE	130	217	ES		721	52.820	.220							1.0
PDG	HZ	160	304	EP		721	39.39-	.110							0.9
PDG	HN	160	304	ES		722	2.150	.550							0.9
PDG	HZ	160	304	IAML		722	4.57			64	0.4				
LSK	HZ	167	188	EP		721	40.56-	.060							0.9
LSK	HN	167	188	ES		722	2.89-	.730							0.9
LSK	HZ	167	188	IAML		722	9.14			63	0.4				
SRN	HZ	209	201	EP		721	46.370	.510							0.9
SRN	HE	209	201	ES		722	11.67-	1.43							0.9

SRN	HZ	209	201	IAML	722	16.70			25	0.4							
KEK	HZ	232	203	EP	721	49.120	.200										0.9
IGT	HZ	238	191	EP	721	49.820	.130										0.9
IGT	HE	238	191	ES	722	21.47	1.44										0.9
IGT	HZ	238	191	IAML	722	27.07			22	0.1							
THL	HZ	250	157	EP	721	51.09	-.050										0.9

**December 1 2021 Hour: 10:27 45.9 Lat: 40.12N Lon: 19.95E D: 10.0F Ag: TIR Local**  
**Magnitudes: 1.4ML TIR Rms: 0.3 secs**  
**16 km W of Gjirokaster**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRN	HZ	28	170	EP		1027	51.09	-.070							1.0
SRN	HE	28	170	ES		1027	55.870	.460							1.0
SRN	HZ	28	170	IAML		1027	57.17			15	0.1				
KEK	HZ	48	195	EP		1027	53.72	-.870							1.0
KEK	HN	48	195	ES		1028	1.880	.270							1.0
KEK	HZ	48	195	IAML		1028	4.17			19	0.2				
LSK	HZ	56	87	EP		1027	55.95	-.080							1.0
LSK	HE	56	87	ES		1028	4.14	-.080							1.0
LSK	HZ	56	87	IAML		1028	8.33			12	0.4				
BERA	HZ	64	0	EP		1027	57.680	.310							1.0
BERA	HN	64	0	ES		1028	6.700	.040							1.0
IGT	HZ	74	153	EP		1027	59.030	.050							1.0
IGT	HN	74	153	ES		1028	9.55	-.020							1.0
IGT	HZ	74	153	IAML		1028	13.99			6	0.3				

**December 1 2021 Hour: 16:4 51.7 Lat: 40.43N Lon: 21.14E D: 0.7 Ag: TIR Local**  
**Magnitudes: 1.7ML TIR Rms: 0.7 secs**  
**24 km SE of Bilisht**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KBN	HZ	37	306	EP		16 4	58.250	.040							1.0
KBN	HN	37	306	ES		16 5	3.08	-.450							1.0
KBN	HZ	37	306	IAML		16 5	5.59			46	0.6				
LSK	HZ	56	236	EP		16 5	1.39	-.210							1.0
LSK	HN	56	236	ES		16 5	8.91	-.750							1.0
LSK	HZ	56	236	IAML		16 5	12.53			19	0.5				
SRN	HZ	115	238	EP		16 5	14.26	2.10							1.0
SRN	HE	115	238	ES		16 5	28.46	-.300							1.0
SRN	HZ	115	238	IAML		16 5	31.32			6	0.6				
IGT	HZ	121	215	EP		16 5	13.330	.060							1.0
IGT	HE	121	215	ES		16 5	30.910	.140							1.0
IGT	HZ	121	215	IAML		16 5	33.82			7	0.5				
THL	HZ	122	142	EP		16 5	13.20	-.130							1.0
THL	HE	122	142	ES		16 5	30.46	-.420							1.0
PUK	HZ	207	330	EP		16 5	26.79	-.050							0.9

**December 1 2021 Hour: 16:39 5.9 Lat: 39.40N Lon: 20.36E D: 37.1 Ag: TIR Local**  
**Magnitudes: 1.9ML TIR Rms: 0.3 secs**  
**33 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	15	352	EP		1639	12.910	.260							1.0
IGT	HE	15	352	ES		1639	17.82	-.290							1.0
IGT	HZ	15	352	IAML		1639	20.18			53	0.3				
KEK	HZ	59	306	EP		1639	17.840	.250							1.0
KEK	HE	59	306	ES		1639	26.69	-.370							1.0
KEK	HZ	59	306	IAML		1639	27.57			44	0.3				
SRN	HZ	62	330	EP		1639	18.270	.380							1.0
SRN	HE	62	330	ES		1639	27.37	-.230							1.0
SRN	HZ	62	330	IAML		1639	29.08			15	0.1				
LSK	HZ	86	14	EP		1639	21.38	-.180							1.0
LSK	HN	86	14	ES		1639	34.590	.350							1.0
LSK	HZ	86	14	IAML		1639	39.07			15	0.3				
THL	HZ	144	82	EP		1639	29.340	.310							1.0
THL	HN	144	82	ES		1639	47.26	-.490							1.0

**December 1 2021 Hour: 18:47 56.4 Lat: 40.65N Lon: 20.61E D: 10.0F Ag: TIR Local**  
**Magnitudes: 2.1ML TIR 3.9MW TIR Rms: 0.8 secs**  
**12 km SW of Maliq**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KBN	HZ	15	101	IP		1847	58.81	-.950							1.0
KBN	HE	15	101	ES		1848	2.22	-.250							1.0
KBN	HZ	15	101	IAML		1848	2.73			181	0.3				
LSK	HZ	56	181	EP		1848	5.47	-1.06							1.0
LSK	HN	56	181	ES		1848	14.27	-.450							1.0
LSK	HZ	56	181	IAML		1848	16.92			75	0.4				
SRN	HZ	100	211	EP		1848	13.62	-.250							1.0
SRN	HE	100	211	ES		1848	27.74	-.270							1.0
SRN	HZ	100	211	IAML		1848	32.62			13	0.4				
PHP	HZ	116	353	EP		1848	16.27	-.230							1.0
PHP	HZ	116	353	IAML		1848	33.01			7	0.4				
KEK	HZ	125	214	EP		1848	19.06	1.02							1.0
KEK	HN	125	214	ES		1848	35.20	-.350							1.0
KEK	HZ	125	214	IAML		1848	40.48			25	0.6				
IGT	HZ	126	191	EP		1848	18.59	0.310							1.0
IGT	HN	126	191	ES		1848	36.49	0.500							1.0
IGT	HZ	126	191	IAML		1848	43.47			16	0.8				
PUK	HZ	166	339	EP		1848	25.13	0.260							0.9
THL	HZ	170	135	EP		1848	27.56	2.04							0.9

**December 1 2021 Hour: 20:53 38.1 Lat: 39.36N Lon: 20.53E D: 5.1 Ag: TIR Local**  
**Magnitudes: 1.7ML TIR Rms: 0.5 secs**  
**43 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	25	319	EP		2053	42.92	0.190							1.0
IGT	HE	25	319	ES		2053	46.59	0.140							1.0
IGT	HZ	25	319	IAML		2053	47.29			59	0.3				
SRN	HZ	73	322	EP		2053	50.54	-.670							1.0
SRN	HE	73	322	ES		2054	1.07	-.730							1.0
SRN	HZ	73	322	IAML		2054	4.24			8	0.5				
KEK	HZ	74	302	EP		2053	51.16	-.150							1.0
KEK	HE	74	302	ES		2054	2.71	0.720							1.0
KEK	HZ	74	302	IAML		2054	6.58			23	0.4				
LSK	HZ	88	4	EP		2053	54.15	0.330							1.0
LSK	HN	88	4	ES		2054	6.68	0.160							1.0
LSK	HZ	88	4	IAML		2054	12.31			9	0.8				

**December 2 2021 Hour: 6:17 46.3 Lat: 41.46N Lon: 20.35E D: 20.5 Ag: TIR Local**  
**Magnitudes: 1.9ML TIR Rms: 0.7 secs**  
**11 km E of Bulqize**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PHP	HZ	27	17	EP		617	53.11	0.900							1.0
PHP	HN	27	17	ES		617	56.58	-.390							1.0
PHP	HZ	27	17	IAML		617	58.17			100	0.3				
TIR	HZ	42	254	EP		617	53.16	-1.29							1.0
TIR	HN	42	254	ES		618	1.77	0.750							1.0
TIR	HZ	42	254	IAML		618	8.48			19	0.4				
PUK	HZ	75	330	EP		617	58.80	-1.02							1.0
PUK	HE	75	330	ES		618	10.15	-.590							1.0
PUK	HZ	75	330	IAML		618	14.16			20	0.1				
SDA	HZ	97	313	EP		618	4.08	0.840							1.0
SDA	HN	97	313	ES		618	17.10	0.160							1.0
SDA	HZ	97	313	IAML		618	21.95			16	0.2				
BCI	HZ	104	347	EP		618	4.79	0.320							1.0
BCI	HE	104	347	ES		618	19.47	0.320							1.0
BCI	HZ	104	347	IAML		618	30.38			14	0.3				

**December 2 2021 Hour: 6:16 41.1 Lat: 39.57N Lon: 19.58E D: 53.1 Ag: TIR Local**  
**Magnitudes: 1.5ML TIR Rms: 0.3 secs**  
**71 km SW of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KEK	HZ	25	49	EP		616	50.21	-.150							1.0
KEK	HN	25	49	ES		616	57.74	-.100							1.0
KEK	HZ	25	49	IAML		616	58.63			24	0.2				
SRN	HZ	50	46	EP		616	53.04	.530							1.0
SRN	HZ	50	46	IAML		617	9.14			10	0.4				
IGT	HZ	65	93	EP		616	53.68	-.490							1.0
IGT	HN	65	93	ES		617	5.04	.310							1.0
IGT	HZ	65	93	IAML		617	7.16			8	0.4				
LSK	HZ	108	53	EP		616	59.74	.160							1.0
LSK	HN	108	53	ES		617	14.27	-.270							1.0

**December 2 2021 Hour: 15:24 38.5 Lat: 39.54N Lon: 20.45E D: 8.9 Ag: TIR Local**  
**Magnitudes: 2.0ML TIR Rms: 0.4 secs**  
**27 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	11	267	EP		1524	40.90	-.050							1.0
IGT	HE	11	267	ES		1524	43.11	.130							1.0
IGT	HZ	11	267	IAML		1524	43.68			1171	0.2				
SRN	HZ	55	314	EP		1524	47.45	-.860							1.0
SRN	HN	55	314	ES		1524	56.65	.360							1.0
SRN	HZ	55	314	IAML		1524	57.68			25	0.6				
KEK	HZ	60	289	EP		1524	48.82	-.400							1.0
KEK	HN	60	289	ES		1524	58.42	.470							1.0
KEK	HZ	60	289	IAML		1525	3.58			82	0.5				
LSK	HZ	69	10	EP		1524	51.26	.390							1.0
LSK	HN	69	10	ES		1525	0.71	-.220							1.0
LSK	HZ	69	10	IAML		1525	5.80			19	0.6				
THL	HZ	134	88	EP		1525	1.50	-.140							1.0
THL	HN	134	88	ES		1525	20.76	.340							1.0

**December 2 2021 Hour: 15:33 20.0 Lat: 39.47N Lon: 20.52E D: 9.5 Ag: TIR Local**  
**Magnitudes: 2.1ML TIR Rms: 0.3 secs**  
**33 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	18	293	EP		1533	24.11	.410							1.0
IGT	HN	18	293	ES		1533	26.46	-.210							1.0
IGT	HZ	18	293	IAML		1533	27.04			433	0.1				
SRN	HZ	64	316	EP		1533	31.24	-.280							1.0
SRN	HE	64	316	ES		1533	40.74	-.090							1.0
SRN	HZ	64	316	IAML		1533	45.07			19	0.4				
KEK	HZ	68	294	EP		1533	32.37	.180							1.0
KEK	HN	68	294	ES		1533	42.11	.080							1.0
KEK	HZ	68	294	IAML		1533	46.97			43	0.7				
LSK	HZ	76	5	EP		1533	33.13	-.420							1.0
LSK	HN	76	5	ES		1533	44.83	.330							1.0

**December 2 2021 Hour: 15:45 58.4 Lat: 39.53N Lon: 20.48E D: 11.5 Ag: TIR Local**  
**Magnitudes: 2.2ML TIR Rms: 0.2 secs**  
**29 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	13	274	EP		1546	1.56	.100							1.0
IGT	HE	13	274	ES		1546	3.93	-.050							1.0
IGT	HZ	13	274	IAML		1546	4.59			182	0.1				
SRN	HZ	57	314	EP		1546	8.17	-.390							1.0
SRN	HE	57	314	ES		1546	16.94	.110							1.0
SRN	HZ	57	314	IAML		1546	19.51			74	0.2				
KEK	HZ	62	290	EP		1546	9.71	.260							1.0
KEK	HE	62	290	ES		1546	18.38	-.050							1.0
KEK	HZ	62	290	IAML		1546	20.60			65	1.0				



LSK	HZ	70	8	EP	1546	10.77-	.030											1.0
LSK	HN	70	8	ES	1546	20.940.	.060											1.0

**December 2 2021 Hour: 16: 3 2.1 Lat: 39.49N Lon: 20.51E D: 7.3 Ag: TIR Local**  
**Magnitudes: 2.0ML TIR Rms: 0.3 secs**

**34 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	17	287	EP		16	3	5.680.							1.0
IGT	HE	17	287	ES		16	3	7.93-							1.0
IGT	HZ	17	287	IAML		16	3	8.59		192	0.2				
SRN	HZ	62	315	EP		16	3	12.85-							1.0
SRN	HN	62	315	ES		16	3	22.02-							1.0
SRN	HZ	62	315	IAML		16	3	27.53		25	0.9				
KEK	HZ	66	292	EP		16	3	13.92-							1.0
KEK	HE	66	292	ES		16	3	23.960.							1.0
KEK	HZ	66	292	IAML		16	3	26.69		72	1.2				
LSK	HZ	74	6	EP		16	3	15.19-							1.0
LSK	HN	74	6	ES		16	3	26.370.							1.0

**December 2 2021 Hour: 23:34 32.0 Lat: 41.55N Lon: 20.32E D: 14.3 Ag: TIR Local**  
**Magnitudes: 2.0ML TIR Rms: 0.3 secs**

**11 km NE of Bulqize**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PHP	HZ	18	33	EP		2334	36.170.	.050							1.0
PHP	HN	18	33	ES		2334	39.40-	.080							1.0
PHP	HZ	18	33	IAML		2334	40.33			136	0.2				
TIR	HZ	44	240	EP		2334	40.290.	.210							1.0
TIR	HN	44	240	ES		2334	46.730.	.070							1.0
TIR	HZ	44	240	IAML		2334	51.70			37	0.4				
PUK	HZ	66	327	EP		2334	43.790.	.100							1.0
PUK	HE	66	327	ES		2334	53.16-	.040							1.0
PUK	HZ	66	327	IAML		2334	56.55			25	0.2				
SDA	HZ	88	310	EP		2334	47.830.	.430							1.0
SDA	HN	88	310	ES		2335	0.030.	.130							1.0
SDA	HZ	88	310	IAML		2335	2.79			36	0.2				
BCI	HZ	94	347	EP		2334	48.610.	.310							1.0
BCI	HN	94	347	ES		2335	1.13-	.400							1.0
BCI	HZ	94	347	IAML		2335	4.23			28	0.3				
BERA	HZ	99	199	EP		2334	48.39-	.760							1.0
BERA	HE	99	199	ES		2335	2.88-	.190							1.0
KBN	HZ	110	159	EP		2334	51.220.	.210							1.0
KBN	HN	110	159	ES		2335	6.760.	.320							1.0
KBN	HZ	110	159	IAML		2335	11.28			13	0.5				
PDG	HZ	132	318	EP		2334	54.07-	.570							1.0
PDG	HN	132	318	ES		2335	13.200.	.200							1.0
PDG	HZ	132	318	IAML		2335	19.82			22	0.3				

**December 3 2021 Hour: 0:25 31.4 Lat: 40.64N Lon: 19.73E D: 9.8 Ag: TIR Local**  
**Magnitudes: 2.2ML TIR 2.4MW TIR Rms: 0.3 secs**

**4 km N of Ballsh**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BPA2	HZ	14	318	EP		025	34.600.	.130							1.0
BPA2	HN	14	318	ES		025	36.94-	.030							1.0
BERA	HZ	20	68	EP		025	35.24-	.120							1.0
BERA	HT	20	68	ES		025	38.590.	.020							1.0
BERA	HE	20	68	ES		025	38.680.	.110							1.0
VLO	HZ	27	227	EP		025	36.44-	.130							1.0
VLO	HN	27	227	ES		025	40.69-	.070							1.0
VLO	HZ	27	227	IAML		025	43.24			169	0.3				
SRN	HN	87	165	ES		025	59.740.	.690							1.0
SRN	HZ	87	165	IAML		026	9.12			33	2.5				
KBN	HN	89	91	ES		025	59.74-	.120							1.0
IGT	HZ	133	157	EP		025	54.480.	.150							1.0
IGT	HN	133	157	ES		026	12.23-	.670							1.0

IGT HZ 133 157 IAML 026 14.06 30 1.5

**December 3 2021 Hour: 3:37 35.2 Lat: 41.53N Lon: 20.32E D: 5.0 Ag: TIR Local**  
**Magnitudes: 1.2ML TIR Rms: 0.3 secs**

**9 km NE of Bulqize**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PHP	HZ	20	30	EP		337	39.250	.350							1.0
PHP	HN	20	30	ES		337	41.880	.010							1.0
PHP	HZ	20	30	IAML		337	43.00			24	0.2				
TIR	HN	43	242	ES		337	49.420	.070							1.0
PUK	HZ	67	328	EP		337	46.97-	.320							1.0
PUK	HN	67	328	ES		337	56.82-	.230							1.0
PUK	HZ	67	328	IAML		337	58.68			5	0.9				
SDA	HZ	90	310	EP		337	51.460	.210							1.0
SDA	HN	90	310	ES		338	4.430	.210							1.0
SDA	HZ	90	310	IAML		338	15.45			81	2.8				
PDG	HZ	133	319	EP		337	57.81-	.710							1.0
PDG	HN	133	319	ES		338	17.770	.390							1.0

**December 3 2021 Hour: 10:39 9.9 Lat: 42.73N Lon: 18.74E D: 3.8 Ag: TIR Local**  
**Magnitudes: 1.6ML TIR Rms: 0.2 secs**

**83 km NW of Koplík**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PDG	HZ	54	128	EP		1039	19.880	.290							1.0
PDG	HN	54	128	ES		1039	27.590	.120							1.0
PDG	HZ	54	128	IAML		1039	28.53			24	0.2				
SDA	HZ	98	140	EP		1039	27.14-	.250							1.0
SDA	HE	98	140	ES		1039	41.44-	.170							1.0
BCI	HN	116	110	ES		1039	46.94-	.200							1.0
PUK	HZ	122	128	EP		1039	31.28-	.120							1.0
PUK	HN	122	128	ES		1039	48.880	.020							1.0
PUK	HZ	122	128	IAML		1039	52.04			5	0.2				
PHP	HN	182	129	ES		1040	7.400	.360							0.9

**December 3 2021 Hour: 14:26 7.4 Lat: 41.52N Lon: 20.34E D: 11.4 Ag: TIR Local**  
**Magnitudes: 1.8ML TIR Rms: 0.2 secs**

**10 km E of Bulqize**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PHP	HZ	20	26	EP		1426	11.40-	.130							1.0
PHP	HN	20	26	ES		1426	14.970	.080							1.0
PHP	HZ	20	26	IAML		1426	15.39			85	0.1				
TIR	HZ	44	244	EP		1426	15.11-	.310							1.0
TIR	HN	44	244	ES		1426	22.100	.160							1.0
TIR	HZ	44	244	IAML		1426	26.17			30	0.2				
PUK	HZ	69	328	EP		1426	19.41-	.150							1.0
PUK	HN	69	328	ES		1426	29.470	.040							1.0
PUK	HZ	69	328	IAML		1426	31.42			18	0.2				
SDA	HZ	91	310	EP		1426	23.400	.160							1.0
SDA	HE	91	310	ES		1426	35.97-	.110							1.0
SDA	HZ	91	310	IAML		1426	37.64			28	0.3				
BCI	HZ	96	347	EP		1426	24.550	.380							1.0
BCI	HE	96	347	ES		1426	37.54-	.230							1.0
BCI	HZ	96	347	IAML		1426	39.94			13	0.2				
PDG	HZ	135	319	EP		1426	30.590	.090							1.0
PDG	HN	135	319	ES		1426	49.280	.040							1.0
PDG	HZ	135	319	IAML		1426	50.95			19	0.4				

**December 3 2021 Hour: 19:31 14.2 Lat: 40.57N Lon: 21.28E D: 3.4 Ag: TIR Local**  
**Magnitudes: 2.2ML TIR Rms: 0.6 secs**

**26 km E of Bilisht**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KBN	HZ	43	278	IP		1931	21.52-	.350							1.0
KBN	HN	43	278	IS		1931	27.66-	.400							1.0
KBN	HZ	43	278	IAML		1931	29.66			31	0.5				

LSK	HZ	75	231	IP	1931	27.56-	.060										1.0
LSK	HN	75	231	IS	1931	38.670.	.220										1.0
THL	HZ	128	151	IP	1931	37.740.	.990										1.0
THL	HN	128	151	IS	1931	53.97-	1.02										1.0
SRN	HZ	134	235	EP	1931	38.430.	.730										1.0
SRN	HN	134	235	IS	1931	56.63-	.070										1.0
SRN	HZ	134	235	IAML	1932	6.32				58	3.6						

**December 3 2021 Hour: 22:4 42.0 Lat: 42.58N Lon: 19.41E D: 22.6 Ag: TIR Local**  
**Magnitudes: 1.0ML TIR Rms: 0.4 secs**  
**42 km N of Koplík**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PDG	HZ	21	217	IP		22	4	48.050.	.690						1.0
PDG	HN	21	217	IS		22	4	51.26-	.410						1.0
PDG	HZ	21	217	IAML		22	4	51.71		4	0.2				
BCI	HZ	59	114	IP		22	4	52.21-	.700						1.0
BCI	HN	59	114	IS		22	5	2.180.	.460						1.0
BCI	HZ	59	114	IAML		22	5	5.36		9	0.3				
SDA	HZ	60	173	IP		22	4	53.060.	.090						1.0
SDA	HN	60	173	ES		22	5	1.910.	.090						1.0
SDA	HZ	60	173	IAML		22	5	6.34		39	1.8				
PUK	HZ	72	146	IP		22	4	54.90-	.100						1.0
PUK	HN	72	146	IS		22	5	5.39-	.120						1.0
PUK	HZ	72	146	IAML		22	5	8.12		1					

**December 4 2021 Hour: 2:49 8.5 Lat: 42.75N Lon: 18.84E D: 0.4 Ag: TIR Local**  
**Magnitudes: 1.9ML TIR Rms: 0.3 secs**  
**71 km NW of Koplík**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PDG	HZ	50	136	IP		249	17.20-	.200							1.0
PDG	HN	50	136	IS		249	24.29-	.360							1.0
PDG	HZ	50	136	IAML		249	28.42			16	0.4				
SDA	HZ	95	145	IP		249	25.04-	.440							1.0
SDA	HN	95	145	IS		249	39.600.	.320							1.0
SDA	HZ	95	145	IAML		249	47.36			40	0.3				
BCI	HZ	110	113	IP		249	28.390.	.320							1.0
BCI	HN	110	113	IS		249	43.74-	.220							1.0
BCI	HZ	110	113	IAML		249	48.03			20	2.0				
PUK	HZ	117	132	IP		249	29.770.	.340							1.0
PUK	HN	117	132	IS		249	46.680.	.250							1.0
PUK	HZ	117	132	IAML		249	47.12			8	2.2				

**December 4 2021 Hour: 5:58 27.5 Lat: 41.88N Lon: 20.14E D: 18.1 Ag: TIR Local**  
**Magnitudes: 2.0ML TIR Rms: 0.3 secs**  
**20 km NE of Reshen**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PUK	HZ	27	312	IP		558	33.320.	.020							1.0
PUK	HN	27	312	IS		558	38.170.	.220							1.0
PUK	HZ	27	312	IAML		558	39.82			16	0.1				
PHP	HZ	33	130	IP		558	34.340.	.130							1.0
PHP	HN	33	130	IS		558	39.43-	.180							1.0
PHP	HZ	33	130	IAML		558	40.47			458	0.1				
BCI	HZ	54	354	IP		558	38.070.	.570							1.0
BCI	HN	54	354	IS		558	45.13-	.440							1.0
SDA	HZ	56	290	IP		558	37.48-	.240							1.0
SDA	HN	56	290	IS		558	45.86-	.090							1.0

**December 4 2021 Hour: 19:29 19.1 Lat: 42.94N Lon: 20.43E D: 4.2 Ag: TIR Local**  
**Magnitudes: 1.9ML TIR Rms: 0.4 secs**  
**70 km NE of Bajram\_Curri**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BCI	HZ	70	205	EP		1929	31.890.	.240							1.0
BCI	HN	70	205	ES		1929	41.64-	.210							1.0
BCI	HZ	70	205	IAML		1929	43.46			48	0.5				

PUK	HZ	109	204	EP		1929	38.730	.290									1.0
PUK	HN	109	204	ES		1929	53.82	-.320									1.0
PUK	HZ	109	204	IAML		1929	56.78			9	0.3						
PDG	HZ	111	240	EP		1929	38.39	-.350									1.0
PDG	HE	111	240	ES		1929	54.33	-.350									1.0
PDG	HZ	111	240	IAML		1929	58.47			12	0.2						
SDA	HZ	125	218	EP		1929	41.490	.460									1.0
SDA	HE	125	218	ES		1929	59.510	.690									1.0
SDA	HZ	125	218	IAML		1930	4.94			12	0.5						
PHP	HZ	140	180	EP		1929	43.06	-.460									1.0
PHP	HN	140	180	ES		1930	3.330	.010									1.0
PHP	HZ	140	180	IAML		1930	4.97			9	0.6						

**December 4 2021 Hour: 20:44 5.0 Lat: 41.02N Lon: 20.24E D: 19.4 Ag: TIR Local**  
**Magnitudes: 1.5ML TIR Rms: 0.3 secs**

**16 km SE of Elbasan**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT		
TIR	HZ	48	319	EP		2044	14.170	.180							1.0		
TIR	HN	48	319	ES		2044	21.06	-.180							1.0		
TIR	HZ	48	319	IAML		2044	27.79			12	0.6						
PHP	HZ	76	13	EP		2044	18.06	-.440									1.0
PHP	HN	76	13	ES		2044	29.430	.030									1.0
PHP	HZ	76	13	IAML		2044	31.84			5	0.2						
LSK	HZ	102	162	EP		2044	23.140	.320									1.0
LSK	HN	102	162	ES		2044	36.91	-.300									1.0
LSK	HZ	102	162	IAML		2044	43.75			8	0.5						
PUK	HZ	117	346	EP		2044	25.580	.210									1.0
PUK	HN	117	346	ES		2044	42.160	.320									1.0
PUK	HZ	117	346	IAML		2044	43.09			8	0.4						
SDA	HZ	130	332	EP		2044	27.740	.430									1.0
SDA	HN	130	332	ES		2044	44.78	-.570									1.0

**December 5 2021 Hour: 5:32 13.1 Lat: 42.74N Lon: 18.81E D: 14.5 Ag: TIR Local**  
**Magnitudes: 2.0ML TIR Rms: 0.7 secs**

**80 km NW of Koplik**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT		
PDG	HZ	50	133	EP		532	21.97	-.300							1.0		
PDG	HE	50	133	ES		532	29.07	-.590							1.0		
PDG	HZ	50	133	IAML		532	33.68			26	0.8						
SDA	HZ	95	143	EP		532	29.60	-.110									1.0
SDA	HE	95	143	ES		532	44.26	1.14									1.0
SDA	HZ	95	143	IAML		532	46.25			17	0.9						
BCI	HZ	111	111	EP		532	32.400	.000									1.0
BCI	HE	111	111	ES		532	47.53	-.460									1.0
BCI	HZ	111	111	IAML		532	52.01			22	0.6						
PUK	HZ	118	131	EP		532	33.31	-.240									1.0
PUK	HE	118	131	ES		532	50.360	.290									1.0
PUK	HZ	118	131	IAML		532	55.47			11	0.3						
TIR	HZ	177	150	EP		532	43.050	.290									0.9
TIR	HE	177	150	ES		533	5.01	-1.73									0.9
TIR	HZ	177	150	IAML		533	14.53			8	0.5						
PHP	HZ	178	130	EP		532	43.620	.680									0.9
PHP	HN	178	130	ES		533	8.13	1.06									0.9
PHP	HZ	178	130	IAML		533	17.15			9	1.3						

**December 5 2021 Hour: 13:40 10.3 Lat: 38.81N Lon: 20.62E D: 1.4 Ag: TIR Local**  
**Magnitudes: 2.2ML TIR Rms: 0.5 secs**

**100 km S of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT		
IGT	HZ	83	343	EP		1340	24.96	-.250							1.0		
IGT	HE	83	343	ES		1340	37.310	.030							1.0		
IGT	HZ	83	343	IAML		1340	42.05			22	0.3						
KEK	HZ	122	325	EP		1340	31.72	-.320									1.0
KEK	HE	122	325	ES		1340	49.840	.200									1.0

KEK	HZ	122	325	IAML		1340	57.56			32	0.8						
SRN	HZ	130	336	EP		1340	33.17-	.080									1.0
SRN	HE	130	336	ES		1340	51.47-	.370									1.0
SRN	HZ	130	336	IAML		1341	3.75			19	2.4						
THL	HZ	146	55	EP		1340	35.69-	.330									1.0
THL	HN	146	55	ES		1340	56.79-	.050									1.0
LSK	HZ	148	359	EP		1340	37.69	1.31									1.0
LSK	HN	148	359	ES		1340	57.41-	.100									1.0

**December 5 2021 Hour: 14:15 30.6 Lat: 40.39N Lon: 19.78E D: 2.4 Ag: TIR Local**  
**Magnitudes: 1.9ML TIR Rms: 0.3 secs**  
**17 km W of Memaliaj**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VLO	HZ	26	289	EP		1415	35.04-	.180							1.0
VLO	HE	26	289	ES		1415	39.110.	.180							1.0
VLO	HZ	26	289	IAML		1415	40.44			154	0.1				
SRN	HZ	60	162	EP		1415	40.85-	.530							1.0
SRN	HE	60	162	ES		1415	50.00-	.080							1.0
SRN	HZ	60	162	IAML		1415	52.06			12	0.2				
KEK	HZ	76	179	EP		1415	44.310.	.150							1.0
KEK	HE	76	179	ES		1415	55.02-	.090							1.0
KEK	HZ	76	179	IAML		1415	56.42			17	0.3				
IGT	HZ	107	154	EP		1415	49.990.	.300							1.0
IGT	HN	107	154	ES		1416	5.380.	.250							1.0
IGT	HZ	107	154	IAML		1416	9.93			15	0.5				

**December 6 2021 Hour: 2:19 9.4 Lat: 41.54N Lon: 19.95E D: 35.9 Ag: TIR Local**  
**Magnitudes: 1.2ML TIR Rms: 0.3 secs**  
**9 km SW of Burrel**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIR	HZ	22	198	EP		219	16.600.	.120							1.0
TIR	HN	22	198	ES		219	22.14-	.090							1.0
TIR	HZ	22	198	IAML		219	26.11			7	0.6				
PHP	HZ	44	68	EP		219	19.290.	.320							1.0
PHP	HN	44	68	ES		219	26.65-	.100							1.0
PHP	HZ	44	68	IAML		219	27.69			7	0.7				
PUK	HZ	56	355	EP		219	20.56-	.020							1.0
PUK	HN	56	355	ES		219	29.48-	.160							1.0
PUK	HZ	56	355	IAML		219	31.34			5	0.2				
SDA	HN	68	327	ES		219	32.900.	.420							1.0
SDA	HZ	68	327	EP		219	21.66-	.480							1.0
SDA	HZ			IAML		219	47.94			47	3.4				

**December 6 2021 Hour: 2:20 50.2 Lat: 41.56N Lon: 19.94E D: 22.1 Ag: TIR Local**  
**Magnitudes: 1.3ML TIR Rms: 0.4 secs**  
**7 km SW of Burrel**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIR	HZ	25	196	EP		220	55.69-	.250							1.0
TIR	HN	25	196	ES		221	0.820.	.250							1.0
TIR	HZ	25	196	IAML		221	5.30			15	0.6				
PHP	HZ	44	71	EP		220	58.32-	.380							1.0
PHP	HN	44	71	ES		221	5.770.	.200							1.0
PHP	HZ	44	71	IAML		221	10.06			5	0.3				
PUK	HZ	54	355	EP		220	59.38-	.910							1.0
PUK	HN	54	355	ES		221	8.540.	.090							1.0
PUK	HZ	54	355	IAML		221	10.54			9	0.3				
SDA	HZ	66	326	EP		221	2.230.	.090							1.0
SDA	HN	66	326	ES		221	11.900.	.110							1.0
SDA	HZ	66	326	IAML		221	24.68			58	2.1				
BCI	HZ	90	6	EP		221	6.730.	.580							1.0
BCI	HE	90	6	ES		221	19.180.	.130							1.0
PDG	HZ	112	330	EP		221	9.910.	.360							1.0
PDG	HE	112	330	ES		221	24.93-	.270							1.0

**December 6 2021 Hour: 2:52 20.7 Lat: 42.26N Lon: 20.02E D: 15.0 Ag: TIR Local**  
**Magnitudes: 1.3ML TIR Rms: 0.2 secs**  
**11 km SW of Bajram\_Curri**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BCI	HZ	12	19	EP		252	24.300	.170							1.0
BCI	HN	12	19	ES		252	26.91-	.000							1.0
BCI	HZ	12	19	IAML		252	27.17			69	0.2				
PUK	HZ	27	203	EP		252	26.270	.110							1.0
PUK	HE	27	203	ES		252	30.26-	.330							1.0
PUK	HZ	27	203	IAML		252	32.12			19	0.2				
SDA	HZ	49	241	EP		252	29.780	.120							1.0
SDA	HE	49	241	ES		252	37.270	.350							1.0
PDG	HZ	65	287	EP		252	31.93-	.380							1.0
PDG	HE	65	287	ES		252	41.66-	.050							1.0
PDG	HZ	65	287	IAML		252	44.10			7	0.2				

**December 6 2021 Hour: 3:31 10.4 Lat: 42.73N Lon: 18.88E D: 10.0F Ag: TIR Local**  
**Magnitudes: 1.7ML TIR Rms: 0.8 secs**  
**73 km NW of Kopluk**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PDG	HZ	46	136	EP		331	17.22-	1.48							1.0
PDG	HE	46	136	ES		331	24.64-	.800							1.0
PDG	HZ	46	136	IAML		331	29.01			13	0.4				
SDA	HZ	91	145	EP		331	26.02-	.280							1.0
SDA	HN	91	145	ES		331	39.580	.390							1.0
SDA	HZ	91	145	IAML		331	47.64			40	1.7				
BCI	HZ	106	112	EP		331	29.270	.500							1.0
BCI	HN	106	112	ES		331	43.17-	.500							1.0
BCI	HZ	106	112	IAML		331	48.95			18	1.4				
PUK	HZ	113	132	EP		331	30.160	.140							1.0
PUK	HE	113	132	ES		331	47.21	1.29							1.0
PUK	HZ	113	132	IAML		331	49.38			3	0.8				
PHP	HZ	173	131	EP		331	40.920	.880							0.9

**December 6 2021 Hour: 5:43 36.8 Lat: 42.45N Lon: 19.49E D: 9.7 Ag: TIR Local**  
**Magnitudes: 2.5ML TIR Rms: 0.6 secs**  
**24 km N of Kopluk**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PDG	HZ	19	264	EP		543	40.730	.170							1.0
PDG	HE	19	264	ES		543	44.030	.440							1.0
PDG	HZ	19	264	IAML		543	44.74			502	0.2				
SDA	HZ	44	178	EP		543	44.31-	.580							1.0
SDA	HE	44	178	ES		543	51.470	.050							1.0
SDA	HZ	44	178	IAML		543	52.80			108	0.2				
BCI	HZ	49	100	EP		543	45.71-	.010							1.0
BCI	HN	49	100	ES		543	53.650	.720							1.0
BCI	HZ	49	100	IAML		543	55.73			198	0.2				
PUK	HZ	56	143	EP		543	46.69-	.330							1.0
PUK	HN	56	143	ES		543	55.530	.250							1.0
PUK	HZ	56	143	IAML		543	59.67			74	0.3				
PHP	HZ	116	137	EP		543	55.73-	1.24							1.0
PHP	HN	116	137	ES		544	13.350	.060							1.0
PHP	HZ	116	137	IAML		544	20.01			26	0.4				
TIR	HZ	126	165	EP		543	58.48-	.160							1.0
TIR	HZ	126	165	ES		544	16.31-	.010							1.0
TIR	HZ	126	165	IAML		544	21.64			37	0.4				
LSK	HZ	272	160	EP		544	18.50-	.660							0.9
LSK	HN	272	160	ES		544	54.94	1.48							0.9
LSK	HZ	272	160	IAML		545	19.95			29	2.2				

**December 6 2021 Hour: 10:19 2.9 Lat: 38.96N Lon: 20.42E D: 28.0 Ag: TIR Local**  
**Magnitudes: 2.5ML TIR Rms: 0.2 secs**  
**80 km S of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	64	353	EP		1019	14.44	-.340							1.0
IGT	HE	64	353	ES		1019	24.54	0.180							1.0
KEK	HZ	99	327	EP		1019	20.64	0.370							1.0
KEK	HE	99	327	ES		1019	33.98	-.320							1.0
KEK	HZ	99	327	IAML		1019	38.42		80	1.3					1.0
SRN	HZ	108	341	EP		1019	21.89	0.230							1.0
SRN	HE	108	341	ES		1019	36.67	-.140							1.0
SRN	HZ	108	341	IAML		1019	39.94		48	1.8					1.0
LSK	HZ	133	6	EP		1019	25.65	0.060							1.0
LSK	HN	133	6	ES		1019	44.11	0.170							1.0
LSK	HZ	133	6	IAML		1019	45.97		29	1.7					1.0
THL	HZ	153	63	EP		1019	27.87	-.170							1.0
THL	HE	153	63	ES		1019	48.34	-.030							1.0

**December 6 2021 Hour: 10:26 6.0 Lat: 40.47N Lon: 20.78E D: 14.2 Ag: TIR Local**  
**Magnitudes: 2.7ML TIR Rms: 0.7 secs**  
**13 km N of Erseke**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KBN	HZ	17	2	EP		1026	9.63	-.430							1.0
KBN	HZ	17	2	IAML		1026	12.46		1267	0.2					1.0
LSK	HZ	39	204	EP		1026	13.02	-.290							1.0
LSK	HN	39	204	ES		1026	18.87	-.330							1.0
LSK	HZ	39	204	IAML		1026	22.49		499	0.4					1.0
BERA	HZ	75	291	EP		1026	18.85	-.430							1.0
BERA	HN	75	291	ES		1026	29.05	-.960							1.0
SRN	HZ	93	226	EP		1026	21.74	-.550							1.0
SRN	HN	93	226	ES		1026	35.91	0.460							1.0
SRN	HZ	93	226	IAML		1026	38.42		61	0.2					1.0
VLO	HZ	109	270	EP		1026	24.99	0.060							1.0
VLO	HN	109	270	ES		1026	39.83	-.410							1.0
VLO	HZ	109	270	IAML		1026	45.35		153	0.6					1.0
IGT	HZ	111	200	EP		1026	25.25	0.030							1.0
IGT	HE	111	200	ES		1026	41.22	0.450							1.0
IGT	HZ	111	200	IAML		1026	44.69		65	0.6					1.0
KEK	HZ	119	225	EP		1026	26.85	0.330							1.0
KEK	HE	119	225	ES		1026	43.37	0.250							1.0
KEK	HZ	119	225	IAML		1026	48.12		91	0.7					1.0
TIR	HZ	125	322	EP		1026	27.76	0.250							1.0
TIR	HN	125	322	ES		1026	46.90	1.99							1.0
PHP	HZ	138	348	EP		1026	29.28	-.530							1.0
PHP	HZ	138	348	IAML		1026	52.35		42	0.4					1.0
THL	HZ	145	133	EP		1026	31.08	0.100							1.0
PUK	HZ	190	337	EP		1026	38.01	0.610							0.9
PUK	HZ	190	337	IAML		1027	10.75		18	0.5					0.9
BCI	HZ	219	344	EP		1026	41.79	0.710							0.9
BCI	HE	219	344	ES		1027	8.24	-1.23							0.9
BCI	HZ	219	344	IAML		1027	28.77		24	0.9					0.9

**December 6 2021 Hour: 10:33 21.4 Lat: 41.16N Lon: 20.21E D: 9.5 Ag: TIR Local**  
**Magnitudes: 1.8ML TIR Rms: 0.2 secs**  
**10 km W of Librazhd**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIR	HZ	36	306	EP		1033	27.52	-.490							1.0
TIR	HN	36	306	ES		1033	33.66	0.330							1.0
TIR	HZ	36	306	IAML		1033	35.39		40	0.1					1.0
BERA	HE	55	203	ES		1033	39.69	0.110							1.0
PHP	HZ	61	18	EP		1033	32.61	0.090							1.0
PHP	HN	61	18	ES		1033	41.68	0.190							1.0
PHP	HZ	61	18	IAML		1033	43.13		15	0.0					1.0

PUK	HZ	101	345	EP		1033	39.13-	.080									1.0
PUK	HN	101	345	ES		1033	53.830	.230									1.0
PUK	HZ	101	345	IAML		1033	55.53		13	0.2							
BCI	HZ	134	355	EP		1033	44.43-	.260									1.0
BCI	HE	134	355	ES		1034	3.40-	.120									1.0
PDG	HZ	161	331	EP		1033	49.370	.210									0.9
PDG	HN	161	331	ES		1034	11.37-	.230									0.9
PDG	HZ	161	331	IAML		1034	17.20		9	0.2							

**December 6 2021 Hour: 14: 8 34.8 Lat: 39.32N Lon: 20.92E D: 23.1 Ag: TIR Local**  
**Magnitudes: 2.1ML TIR Rms: 0.3 secs**  
**73 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	56	296	EP		14	8	45.570	.430						1.0
IGT	HN	56	296	ES		14	8	53.24-	.300						1.0
IGT	HZ	56	296	IAML		14	8	56.88		36	0.4				
LSK	HZ	97	344	EP		14	8	51.990	.320						1.0
LSK	HN	97	344	ES		14	9	5.30-	.070						1.0
LSK	HZ	97	344	IAML		14	9	14.59		24	1.0				
THL	HZ	99	73	EP		14	8	52.090	.170						1.0
THL	HE	99	73	ES		14	9	5.63-	.190						1.0
SRN	HZ	101	309	EP		14	8	51.58-	.640						1.0
SRN	HN	101	309	ES		14	9	6.630	.270						1.0
SRN	HZ	101	309	IAML		14	9	9.46		29	1.1				

**December 6 2021 Hour: 15:16 37.3 Lat: 39.43N Lon: 20.83E D: 23.6 Ag: TIR Local**  
**Magnitudes: 2.4ML TIR Rms: 0.5 secs**  
**60 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	44	285	EP		1516	46.010	.080							1.0
IGT	HN	44	285	ES		1516	52.69-	.200							1.0
IGT	HZ	44	285	IAML		1516	53.38		163	0.2					
LSK	HZ	82	346	EP		1516	52.760	.810							1.0
LSK	HN	82	346	ES		1517	3.850	.060							1.0
LSK	HZ	82	346	IAML		1517	9.60		56	0.7					
SRN	HZ	87	305	EP		1516	52.630	.050							1.0
SRN	HN	87	305	ES		1517	4.07-	.850							1.0
SRN	HZ	87	305	IAML		1517	8.22		28	0.4					
KEK	HZ	94	290	EP		1516	53.860	.150							1.0
KEK	HE	94	290	ES		1517	7.140	.170							1.0
KEK	HZ	94	290	IAML		1517	9.28		89	1.4					
THL	HZ	103	81	EP		1516	55.620	.410							1.0
THL	HE	103	81	ES		1517	9.01-	.690							1.0

**December 6 2021 Hour: 15:20 39.4 Lat: 39.47N Lon: 20.85E D: 11.1 Ag: TIR Local**  
**Magnitudes: 2.2ML TIR Rms: 0.6 secs**  
**61 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	45	280	EP		1520	47.48-	.130							1.0
IGT	HN	45	280	ES		1520	54.360	.100							1.0
IGT	HZ	45	280	IAML		1520	55.01		119	0.2					
LSK	HZ	79	344	EP		1520	54.060	.750							1.0
LSK	HN	79	344	ES		1521	4.760	.170							1.0
LSK	HZ	79	344	IAML		1521	11.19		39	0.7					
SRN	HZ	86	303	EP		1520	54.550	.110							1.0
SRN	HN	86	303	ES		1521	5.36-	1.26							1.0
SRN	HZ	86	303	IAML		1521	10.03		17	0.4					
KEK	HZ	94	287	EP		1520	55.950	.130							1.0
KEK	HN	94	287	ES		1521	9.480	.360							1.0
KEK	HZ	94	287	IAML		1521	13.51		42	0.3					
THL	HZ	101	83	EP		1520	57.380	.460							1.0
THL	HE	101	83	ES		1521	10.44-	.680							1.0



**December 6 2021 Hour: 17:56 3.9 Lat: 38.96N Lon: 21.11E D: 4.7 Ag: TIR Local**  
**Magnitudes: 2.4ML TIR Rms: 0.5 secs**  
**111 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	93	314	EP		1756	20.39	-.080							1.0
IGT	HN	93	314	ES		1756	34.650	.760							1.0
IGT	HZ	93	314	IAML		1756	36.90			24	0.6				
THL	HZ	104	49	EP		1756	22.11	-.170							1.0
THL	HE	104	49	ES		1756	36.80	-.360							1.0
LSK	HZ	140	342	EP		1756	28.700	.340							1.0
LSK	HN	140	342	ES		1756	48.860	.700							1.0
LSK	HZ	140	342	IAML		1757	29.68			35	4.5				
SRN	HZ	140	318	EP		1756	28.24	-.130							1.0
SRN	HN	140	318	ES		1756	48.11	-.060							1.0
SRN	HZ	140	318	IAML		1756	50.24			17	1.9				
KEK	HZ	141	307	EP		1756	27.90	-.590							1.0
KEK	HN	141	307	ES		1756	47.44	-.950							1.0
KEK	HZ	141	307	IAML		1756	51.40			94	1.2				
ITM	HZ	210	160	EP		1756	39.470	.590							0.9

**December 6 2021 Hour: 23:28 46.3 Lat: 42.75N Lon: 18.80E D: 15.1 Ag: TIR Local**  
**Magnitudes: 2.2ML TIR Rms: 0.8 secs**  
**79 km NW of Kopluk**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PDG	HZ	52	133	EP		2328	55.52	-.190							1.0
PDG	HE	52	133	ES		2329	2.33	-1.02							1.0
PDG	HZ	52	133	IAML		2329	5.29			50	0.2				
SDA	HZ	97	143	EP		2329	2.91	-.230							1.0
SDA	HE	97	143	ES		2329	18.30	1.50							1.0
SDA	HZ	97	143	IAML		2329	22.76			21	0.3				
BCI	HZ	113	112	EP		2329	5.59	-.210							1.0
BCI	HE	113	112	ES		2329	21.29	-.330							1.0
BCI	HZ	113	112	IAML		2329	24.60			34	0.9				
PUK	HZ	120	131	EP		2329	7.070	.090							1.0
PUK	HE	120	131	ES		2329	23.950	.210							1.0
PUK	HZ	120	131	IAML		2329	27.40			19	0.3				
TIR	HZ	179	150	EP		2329	15.67	-.370							0.9
TIR	HE	179	150	ES		2329	38.59	-1.55							0.9
TIR	HZ	179	150	IAML		2329	52.74			36	2.3				
PHP	HZ	180	130	EP		2329	17.51	1.29							0.9
PHP	HN	180	130	ES		2329	41.330	.850							0.9
PHP	HZ	180	130	IAML		2329	57.72			13	3.4				

**December 7 2021 Hour: 0:16 22.9 Lat: 38.83N Lon: 20.61E D: 15.0F Ag: TIR Local**  
**Magnitudes: 2.8ML TIR Rms: 0.7 secs**  
**95 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	81	343	EP		016	37.26	-.130							1.0
IGT	HN	81	343	ES		016	48.36	-.760							0.7
IGT	HZ	81	343	IAML		016	56.20			93	0.3				
KEK	HZ	120	325	EP		016	44.21	-.130							1.0
KEK	HN	120	325	ES		017	1.28	-.420							1.0
KEK	HZ	120	325	IAML		017	9.42			149	0.6				
SRN	HZ	127	336	EP		016	46.58	1.03							1.0
SRN	HN	127	336	ES		017	3.69	-.200							1.0
SRN	HZ	127	336	IAML		017	10.26			38	0.4				
THL	HZ	146	56	EP		016	48.36	-.270							1.0
LSK	HZ	146	360	EP		016	49.78	1.07							1.0
LSK	HN	146	360	ES		017	9.910	.300							1.0
LSK	HZ	146	360	IAML		017	14.42			71	0.6				
VLO	HZ	205	333	EP		016	58.580	.770							0.9
VLO	HN	205	333	ES		017	26.340	.270							0.9
ITM	HZ	217	147	EP		016	59.22	-.160							0.9

PHP	HZ	317	357	EP		017	11.25-	.950										0.8
PHP	HZ	317	357	IAML		017	57.01			19	2.5							
PUK	HZ	361	351	EP		017	16.58-	1.37										0.8

**December 7 2021 Hour: 1: 2 51.5 Lat: 42.38N Lon: 19.35E D: 19.6 Ag: TIR Local**  
**Magnitudes: 1.1ML TIR Rms: 0.2 secs**  
**20 km N of Koplik**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PDG	HZ	9	305	EP		1 2	55.350	.130							1.0
PDG	HN	9	305	ES		1 2	58.22-	.040							1.0
PDG	HZ	9	305	IAML		1 2	58.86			30	0.1				
SDA	HZ	39	162	EP		1 2	58.83-	.180							1.0
SDA	HE	39	162	ES		1 3	5.11-	.020							1.0
PUK	HZ	59	130	EP		1 3	2.03-	.150							1.0
PUK	HN	59	130	ES		1 3	11.130	.270							1.0
PUK	HZ	59	130	IAML		1 3	13.30			2	0.2				
BCI	HZ	59	92	EP		1 3	2.450	.220							1.0
BCI	HE	59	92	ES		1 3	10.73-	.220							1.0

**December 7 2021 Hour: 2:55 31.1 Lat: 41.45N Lon: 20.05E D: 6.3 Ag: TIR Local**  
**Magnitudes: 1.2ML TIR Rms: 0.3 secs**  
**7 km SW of Klos**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIR	HZ	19	234	EP		255	34.44-	.220							1.0
TIR	HN	19	234	ES		255	37.49-	.040							1.0
TIR	HZ	19	234	IAML		255	40.51			11	0.3				
PHP	HZ	42	51	EP		255	38.75-	.020							1.0
PHP	HN	42	51	ES		255	44.85-	.110							1.0
PHP	HZ	42	51	IAML		255	47.39			7	0.2				
PUK	HZ	67	349	EP		255	43.450	.240							1.0
PUK	HE	67	349	ES		255	53.010	.010							1.0
PUK	HZ	67	349	IAML		255	55.60			8	0.2				
BCI	HZ	102	1	EP		255	49.880	.690							1.0
BCI	HN	102	1	ES		256	3.27-	.540							1.0
BCI	HZ	102	1	IAML		256	6.70			5	0.3				

**December 7 2021 Hour: 3: 8 34.4 Lat: 39.50N Lon: 20.40E D: 10.0F Ag: TIR Local**  
**Magnitudes: 2.0ML TIR Rms: 0.9 secs**  
**27 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	7	305	EP		3 8	36.35-	.270							1.0
IGT	HN	7	305	ES		3 8	38.480	.050							1.0
IGT	HZ	7	305	IAML		3 8	39.23			1193	0.2				
SRN	HZ	55	321	EP		3 8	43.37-	.910							1.0
SRN	HN	55	321	ES		3 8	52.23-	.060							1.0
SRN	HZ	55	321	IAML		3 8	54.28			44	1.5				
KEK	HZ	57	295	EP		3 8	44.42-	.250							1.0
KEK	HN	57	295	ES		3 8	54.51	1.50							1.0
KEK	HZ	57	295	IAML		3 8	59.61			110	0.6				
LSK	HZ	75	13	EP		3 8	47.02-	.630							1.0
LSK	HN	75	13	ES		3 8	57.21-	1.18							1.0
LSK	HZ	75	13	IAML		3 9	0.67			28	0.8				
KBN	HZ	130	15	EP		3 8	56.26-	.530							1.0
KBN	HE	130	15	ES		3 9	16.62	1.68							1.0
KBN	HZ	130	15	IAML		3 9	20.81			10	0.9				
VLO	HZ	133	325	EP		3 8	57.390	.100							1.0
THL	HZ	139	86	EP		3 8	57.57-	.760							1.0
THL	HE	139	86	ES		3 9	19.08	1.36							1.0

**December 7 2021 Hour: 4:8 4.1 Lat: 39.46N Lon: 20.45E D: 10.0F Ag: TIR Local**  
**Magnitudes: 2.1ML TIR Rms: 0.9 secs**  
**32 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	12	308	EP		4 8	7.450	.460							1.0
IGT	HN	12	308	ES		4 8	9.680	.350							1.0
IGT	HZ	12	308	IAML		4 8	10.35			1247	0.1				
SRN	HZ	60	321	EP		4 8	14.26	-.620							1.0
SRN	HE	60	321	ES		4 8	22.78	-.830							1.0
SRN	HZ	60	321	IAML		4 8	27.01			37	0.7				
KEK	HZ	62	297	EP		4 8	14.82	-.430							1.0
KEK	HE	62	297	ES		4 8	25.36	1.08							1.0
KEK	HZ	62	297	IAML		4 8	30.21			132	1.5				
LSK	HZ	77	10	EP		4 8	16.68	-1.15							0.7
LSK	HN	77	10	ES		4 8	27.81	-1.13							1.0
LSK	HZ	77	10	IAML		4 8	35.40			32	1.4				
KBN	HZ	132	13	EP		4 8	27.150	.210							1.0
KBN	HE	132	13	ES		4 8	47.13	1.69							1.0
KBN	HZ	132	13	IAML		4 8	53.54			16	1.2				
THL	HZ	135	85	EP		4 8	26.78	-.650							1.0
THL	HN	135	85	ES		4 8	46.980	.650							1.0

**December 7 2021 Hour: 6:41 46.7 Lat: 39.55N Lon: 20.49E D: 10.0F Ag: TIR Local**  
**Magnitudes: 2.3ML TIR Rms: 0.6 secs**  
**31 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	14	261	EP		641	49.57	-.210							1.0
IGT	HN	14	261	ES		641	51.82	-.450							1.0
IGT	HZ	14	261	IAML		641	52.50			1033	0.1				
SRN	HZ	56	311	EP		641	56.47	-.270							1.0
SRN	HN	56	311	ES		642	5.340	.470							1.0
SRN	HZ	56	311	IAML		642	7.20			37	0.3				
KEK	HZ	62	287	EP		641	57.36	-.470							1.0
KEK	HN	62	287	ES		642	7.93	1.09							1.0
KEK	HZ	62	287	IAML		642	11.90			121	1.7				
LSK	HZ	67	8	EP		641	57.69	-1.01							1.0
LSK	HN	67	8	ES		642	8.430	.010							1.0
LSK	HZ	67	8	IAML		642	22.18			33	2.8				
THL	HZ	131	89	EP		642	9.790	.480							1.0
THL	HE	131	89	ES		642	28.030	.410							1.0

**December 7 2021 Hour: 9:58 1.2 Lat: 38.65N Lon: 20.63E D: 11.1 Ag: TIR Local**  
**Magnitudes: 2.6ML TIR Rms: 0.9 secs**  
**108 km S of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	101	345	EP		958	17.82	-1.00							1.0
IGT	HN	101	345	IS		958	33.310	.200							1.0
KEK	HZ	138	329	IP		958	23.56	-1.41							1.0
KEK	HN	138	329	IS		958	44.530	.310							1.0
KEK	HZ	138	329	IAML		958	55.31			80	1.9				
SRN	HZ	147	338	IP		958	27.72	1.30							1.0
SRN	HN	147	338	IS		958	46.33	-.520							1.0
THL	HZ	157	49	EP		958	28.200	.130							1.0
THL	HN	157	49	IS		958	49.40	-.440							1.0
LSK	HZ	167	359	IP		958	31.24	1.51							0.9
LSK	HN	167	359	IS		958	52.900	.050							0.9
LSK	HZ	167	359	IAML		958	57.98			20	1.5				

**December 7 2021 Hour: 18:36 5.9 Lat: 41.35N Lon: 19.60E D: 21.3 Ag: TIR Local**  
**Magnitudes: 2.2ML TIR Rms: 0.4 secs**  
**3 km E of Shijak**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIR	HZ	22	90	EP		1836	11.09	-.060							1.0
TIR	HN	22	90	ES		1836	15.28	-.160							1.0
TIR	HZ	22	90	IAML		1836	18.98			105	0.4				
BERA	HZ	77	158	EP		1836	19.79	0.150							1.0
BERA	HE	77	158	ES		1836	30.69	-.110							1.0
SDA	HZ	78	354	EP		1836	19.91	0.100							1.0
SDA	HE	78	354	ES		1836	31.01	-.100							1.0
SDA	HZ	78	354	IAML		1836	36.61			41	1.5				
PHP	HZ	79	62	EP		1836	19.49	-.500							1.0
PHP	HN	79	62	ES		1836	31.93	0.500							1.0
PHP	HZ	79	62	IAML		1836	34.72			18	0.5				
PUK	HZ	81	17	EP		1836	20.15	-.110							1.0
PUK	HE	81	17	ES		1836	32.12	0.200							1.0
PUK	HZ	81	17	IAML		1836	35.93			19	0.4				
BCI	HZ	119	19	EP		1836	25.77	-.680							1.0
BCI	HN	119	19	ES		1836	42.79	-.340							1.0
BCI	HZ	119	19	IAML		1836	45.44			27	0.6				
PDG	HZ	123	347	EP		1836	27.39	0.350							1.0
PDG	HN	123	347	ES		1836	44.42	0.230							1.0
PDG	HZ	123	347	IAML		1836	46.53			23	0.3				
LSK	HZ	157	147	EP		1836	33.04	0.740							1.0
LSK	HN	157	147	ES		1836	53.96	0.260							1.0
SRN	HZ	166	168	EP		1836	33.45	0.110							0.9
SRN	HE	166	168	ES		1836	55.90	0.300							0.9
KEK	HZ	182	175	EP		1836	35.60	0.190							0.9
KEK	HN	182	175	ES		1836	58.48	-.860							0.9
KEK	HZ	182	175	IAML		1837	11.61			72	1.1				
IGT	HZ	211	163	EP		1836	39.21	0.140							0.9
IGT	HE	211	163	ES		1837	5.63	-.350							0.9

**December 7 2021 Hour: 19:52 38.2 Lat: 39.55N Lon: 20.51E D: 15.0F Ag: TIR Local**  
**Magnitudes: 2.1ML TIR Rms: 0.1 secs**  
**30 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	16	263	EP		1952	40.94	-.100							1.0
IGT	HN	16	263	ES		1952	43.36	0.040							1.0
IGT	HZ	16	263	IAML		1952	43.91			185	0.1				
SRN	HZ	57	310	EP		1952	48.72	0.260							1.0
SRN	HN	57	310	ES		1952	56.68	-.070							1.0
SRN	HZ	57	310	IAML		1953	3.87			55	3.0				
KEK	HZ	64	287	EP		1952	49.70	0.040							1.0
KEK	HN	64	287	ES		1952	58.85	-.080							1.0
KEK	HZ	64	287	IAML		1953	1.90			82	1.1				
LSK	HZ	67	6	EP		1952	50.03	-.160							1.0
LSK	HN	67	6	ES		1952	59.93	0.050							1.0

**December 7 2021 Hour: 22:22 13.8 Lat: 42.75N Lon: 18.80E D: 8.2 Ag: TIR Local**  
**Magnitudes: 1.6ML TIR Rms: 0.2 secs**  
**79 km NW of Koplík**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PDG	HZ	52	133	EP		2222	23.55	0.360							1.0
PDG	HE	52	133	ES		2222	30.49	-.290							1.0
PDG	HZ	52	133	IAML		2222	32.12			21	0.1				
SDA	HZ	97	143	EP		2222	30.96	0.140							1.0
SDA	HE	97	143	ES		2222	44.56	-.020							1.0
BCI	HZ	112	112	EP		2222	33.65	0.170							1.0
BCI	HN	112	112	ES		2222	49.34	-.060							1.0
BCI	HZ	112	112	IAML		2222	53.88			15	0.4				
PUK	HZ	119	131	EP		2222	34.42	-.240							1.0

PUK	HN	119	131	ES		2222	51.760	.230									1.0
PUK	HZ	119	131	IAML		2222	54.97			6	0.1						
PHP	HZ	180	131	EP		2222	44.10	-.440									0.9
PHP	HN	180	131	ES		2223	9.530	.120									0.9

**December 7 2021 Hour: 23: 5 23.1 Lat: 42.74N Lon: 19.01E D: 8.6 Ag: TIR Local**  
**Magnitudes: 1.2ML TIR Rms: 0.2 secs**

**69 km NW of Koplík**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PDG	HZ	40	149	EP		23	5	30.33	-.130						1.0
PDG	HN	40	149	ES		23	5	36.480	.080						1.0
PDG	HZ	40	149	IAML		23	5	39.56		7	0.3				
SDA	HZ	87	152	EP		23	5	38.490	.070						1.0
SDA	HN	87	152	ES		23	5	50.890	.070						1.0
SDA	HZ	87	152	IAML		23	5	55.90		14	1.4				
BCI	HZ	96	115	EP		23	5	40.490	.410						1.0
BCI	HE	96	115	ES		23	5	53.67	-.140						1.0
PUK	HZ	106	136	EP		23	5	41.37	-.380						1.0
PUK	HE	106	136	ES		23	5	56.860	.010						1.0
PUK	HZ	106	136	IAML		23	6	1.61		3	0.6				

**December 8 2021 Hour: 3:34 24.0 Lat: 39.56N Lon: 20.48E D: 17.4 Ag: TIR Local**  
**Magnitudes: 2.9ML TIR Rms: 0.8 secs**

**28 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRN	HZ	54	311	EP		334	33.22	-.690							1.0
SRN	HE	54	311	ES		334	40.82	-1.09							1.0
SRN	HZ	54	311	IAML		334	43.27			346	0.4				
KEK	HZ	61	287	EP		334	34.37	-.600							1.0
KEK	HN	61	287	ES		334	44.670	.830							1.0
KEK	HZ	61	287	IAML		334	49.46			1070	0.6				
LSK	HZ	67	9	EP		334	35.94	-.040							1.0
LSK	HN	67	9	ES		334	44.78	-.880							1.0
LSK	HZ	67	9	IAML		334	52.97			308	0.8				
KBN	HZ	121	12	EP		334	45.470	.440							1.0
KBN	HN	121	12	ES		335	2.940	.890							1.0
KBN	HZ	121	12	IAML		335	8.92			98	0.6				
VLO	HZ	131	321	EP		334	47.560	.900							1.0
VLO	HZ	131	321	IAML		335	16.89			176	0.5				
THL	HZ	132	89	EP		334	46.51	-.270							1.0
BERA	HN	135	341	EP		334	47.360	.140							1.0
BERA	HE	135	341	ES		335	7.09	1.09							1.0
TIR	HZ	205	346	EP		334	57.240	.300							0.9
TIR	HE	205	346	ES		335	24.420	.810							0.9
TIR	HZ	205	346	IAML		335	32.81			44	1.6				
PHP	HZ	236	359	EP		335	2.04	1.09							0.9
PHP	HN	236	359	ES		335	30.21	-.650							0.9
PHP	HZ	236	359	IAML		335	49.21			31	0.9				
PUK	HZ	280	350	EP		335	6.63	-.000							0.8
PUK	HN	280	350	ES		335	40.79	-.360							0.8
PUK	HZ	280	350	IAML		335	54.79			16	0.8				
BCI	HZ	314	354	EP		335	11.320	.440							0.8
BCI	HN	314	354	ES		335	46.95	-1.88							0.8
BCI	HZ	314	354	IAML		335	54.00			23	0.7				
PDG	HZ	335	343	EP		335	12.57	-.960							0.8

**December 8 2021 Hour: 3:42 2.2 Lat: 39.60N Lon: 20.48E D: 7.1 Ag: TIR Local**  
**Magnitudes: 2.0ML TIR Rms: 0.6 secs**

**26 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRN	HZ	51	307	EP		342	10.79	-.620							1.0
SRN	HN	51	307	ES		342	18.36	-.500							1.0
SRN	HZ	51	307	IAML		342	21.77			24	0.4				
KEK	HZ	60	282	EP		342	12.30	-.610							1.0

KEK	HN	60	282	ES		342	22.65	1.07									1.0
KEK	HZ	60	282	IAML		342	28.43		91	1.4							
LSK	HZ	61	10	EP		342	13.840	.590									1.0
BERA	HN	130	340	EP		342	24.900	.080									1.0

**December 8 2021 Hour: 3:57 25.1 Lat: 39.38N Lon: 20.63E D: 5.7 Ag: TIR Local**  
**Magnitudes: 2.4ML TIR Rms: 0.9 secs**

**47 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRN	HZ	77	316	EP		357	39.120	.190							1.0
SRN	HE	77	316	ES		357	50.140	.040							1.0
KEK	HZ	80	297	EP		357	39.540	.050							1.0
KEK	HN	80	297	ES		357	50.77-	.350							1.0
KEK	HZ	80	297	IAML		357	53.95		85	0.8					
LSK	HZ	85	358	EP		357	40.940	.600							1.0
LSK	HN	85	358	ES		357	52.710	.050							1.0
LSK	HZ	85	358	IAML		357	56.74		44	0.7					
THL	HZ	121	80	EP		357	46.830	.530							1.0
THL	HN	121	80	ES		358	3.540	.080							1.0
KBN	HZ	138	6	EP		357	46.43-	2.82							1.0
BERA	HN	157	339	EP		357	53.310	.900							1.0
BERA	HE	157	339	ES		358	15.240	.740							1.0

**December 8 2021 Hour: 4:44 24.1 Lat: 41.47N Lon: 19.53E D: 23.2 Ag: TIR Local**  
**Magnitudes: 1.7ML TIR Rms: 0.3 secs**

**13 km NW of Vore**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIR	HZ	31	116	EP		444	31.030	.260							1.0
TIR	HN	31	116	ES		444	35.95-	.230							1.0
TIR	HZ	31	116	IAML		444	36.83		26	0.2					
SDA	HZ	65	358	EP		444	36.010	.160							1.0
SDA	HE	65	358	ES		444	45.510	.130							1.0
SDA	HZ	65	358	IAML		445	0.07		23	0.9					
PUK	HZ	70	25	EP		444	36.48-	.370							1.0
PUK	HE	70	25	ES		444	47.460	.270							1.0
PHP	HZ	79	72	EP		444	38.270	.000							1.0
PHP	HZ	79	72	IAML		444	50.62		7	0.4					
BERA	HN	92	158	ES		444	53.510	.210							1.0
BCI	HE	109	24	ES		444	58.380	.200							1.0
PDG	HZ	109	348	EP		444	42.72-	.160							1.0
PDG	HN	109	348	ES		444	58.160	.070							1.0
BCI	HZ	109	24	EP		444	42.37-	.550							1.0
BCI	HZ	109	24	IAML		445	3.85		14	0.4					

**December 8 2021 Hour: 5:47 5.7 Lat: 41.48N Lon: 19.72E D: 26.1 Ag: TIR Local**  
**Magnitudes: 1.5ML TIR 2.6MW TIR Rms: 0.6 secs**

**6 km SW of Kruje**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIR	HZ	19	141	EP		547	12.010	.840							1.0
TIR	HN	19	141	ES		547	15.53-	.110							1.0
TIR	HZ	19	141	IAML		547	38.20		27	2.4					
PHP	HZ	64	69	EP		547	17.750	.290							1.0
PHP	HN	64	69	ES		547	26.26-	.770							1.0
PHP	HZ	64	69	IAML		547	46.63		13	2.6					
PUK	HZ	64	13	EP		547	17.730	.220							1.0
PUK	HE	64	13	ES		547	26.99-	.120							1.0
PUK	HZ	64	13	IAML		547	31.98		8	1.2					
SDA	HZ	66	344	EP		547	17.850	.130							1.0
SDA	HE	66	344	ES		547	26.36-	1.14							1.0
BERA	HN	88	167	ES		547	33.20-	.550							1.0
BCI	HZ	103	16	EP		547	24.210	.720							1.0
BCI	HE	103	16	ES		547	38.440	.500							1.0
BCI	HZ	103	16	IAML		547	44.66		16	2.2					

December 8 2021 Hour: 7:49 47.9 Lat: 39.00N Lon: 20.69E D: 0.7 Ag: TIR Local  
 Magnitudes: 4.2ML TIR Rms: 0.4 secs  
 85 km SE of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KEK	HZ	110	316	EP		750	7.33-	.230							1.0
KEK	HN	110	316	ES		750	23.760-	.260							1.0
KEK	HZ	110	316	IAML		750	26.10			3959	0.6				
SRN	HZ	114	329	EP		750	8.06-	.210							1.0
SRN	HN	114	329	ES		750	24.76-	.030							1.0
SRN	HZ	114	329	IAML		750	44.15			1795	0.9				
LSK	HZ	128	356	EP		750	10.870-	.280							1.0
LSK	HN	128	356	ES		750	28.52-	.480							1.0
LSK	HZ	128	356	IAML		750	42.35			3916	1.2				
THL	HZ	130	61	EP		750	11.760-	.810							1.0
THL	HN	130	61	ES		750	29.39-	.250							1.0
KBN	HZ	180	3	EP		750	18.83-	.520							0.9
KBN	HE	180	3	ES		750	45.300-	.460							0.9
KBN	HZ	180	3	IAML		750	49.75			1629	0.6				
VLO	HZ	192	328	EP		750	21.210-	.140							0.9
VLO	HE	192	328	ES		750	48.200-	.240							0.9
VLO	HZ	192	328	IAML		751	8.57			1724	0.8				
BERA	HN	199	342	EP		750	21.80-	.150							0.9
BERA	HE	199	342	ES		750	49.730-	.180							0.9
ITM	HZ	229	151	EP		750	26.040-	.180							0.9
ITM	HE	229	151	ES		750	56.49-	.140							0.9
TIR	HZ	270	345	EP		750	31.180-	.170							0.9
TIR	HZ	270	345	IAML		751	26.47			340	1.3				
PHP	HZ	299	356	EP		750	34.810-	.040							0.8
PHP	HZ	299	356	IAML		751	19.35			380	1.6				
PUK	HZ	344	349	EP		750	40.05-	.610							0.8
PUK	HZ	344	349	IAML		751	42.95			129	1.1				
SDA	HZ	353	344	EP		750	40.16-	1.52							0.2
SDA	HZ	353	344	IAML		751	45.06			210	1.6				
BCI	HZ	377	352	EP		750	44.840-	.000							0.8
BCI	HZ	377	352	IAML		751	59.35			418	1.3				
PDG	HZ	399	343	EP		750	46.13-	1.47							0.2
PDG	HZ	399	343	IAML		752	2.59			153	1.7				
RDO	HZ	477	59	EP		750	56.49-	1.05							0.2
KIRK	HZ	625	58	EP		751	15.67-	.410							0.5

December 8 2021 Hour: 7:58 28.2 Lat: 38.92N Lon: 20.66E D: 23.1 Ag: TIR Local  
 Magnitudes: 2.5ML TIR Rms: 0.4 secs  
 91 km SE of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KEK	HZ	115	320	EP		758	47.66-	.310							1.0
KEK	HN	115	320	ES		759	3.74-	.250							1.0
KEK	HZ	115	320	IAML		759	13.64			73	0.8				
SRN	HZ	121	332	EP		758	49.170-	.350							1.0
SRN	HN	121	332	END		759	5.18								1.0
SRN	HN	121	332	ES		759	5.42-	.100							1.0
SRN	HZ	121	332	IAML		759	7.54			36	1.0				
LSK	HZ	136	358	EP		758	51.31-	.070							1.0
LSK	HN	136	358	ES		759	10.580-	.420							1.0
LSK	HZ	136	358	IAML		759	11.85			32	0.7				
THL	HZ	137	58	EP		758	51.870-	.500							1.0
THL	HN	137	58	ES		759	9.60-	.540							1.0

**December 8 2021 Hour: 8:15 57.6 Lat: 38.94N Lon: 20.69E D: 11.1 Ag: TIR Local**  
**Magnitudes: 2.7ML TIR Rms: 0.3 secs**

**91 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KEK	HZ	115	319	EP		816	17.830	.280							1.0
KEK	HN	115	319	ES		816	33.42-	.280							1.0
KEK	HZ	115	319	IAML		816	39.85			83	0.3				
SRN	HZ	120	331	EP		816	18.03-	.320							1.0
SRN	HE	120	331	ES		816	35.04-	.110							1.0
SRN	HZ	120	331	IAML		816	36.40			50	1.2				
THL	HZ	134	58	EP		816	20.40-	.230							1.0
THL	HN	134	58	ES		816	39.17-	.110							1.0
LSK	HZ	135	357	EP		816	21.080	.240							1.0
LSK	HN	135	357	ES		816	39.990	.340							1.0
LSK	HZ	135	357	IAML		816	43.50			57	0.6				
ITM	HZ	223	151	EP		816	34.020	.500							0.9
ITM	HE	223	151	ES		817	2.34-	.260							0.9

**December 8 2021 Hour: 8:24 23.7 Lat: 38.74N Lon: 20.61E D: 29.3 Ag: TIR Local**  
**Magnitudes: 2.6ML TIR Rms: 0.1 secs**

**108 km S of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KEK	HZ	128	327	EP		824	45.580	.080							1.0
KEK	HE	128	327	ES		825	3.18-	.010							1.0
KEK	HZ	128	327	IAML		825	7.99			91	0.5				
SRN	HZ	137	338	EP		824	46.45-	.080							1.0
SRN	HN	137	338	ES		825	5.04-	.020							1.0
SRN	HZ	137	338	IAML		825	9.93			42	0.7				
THL	HZ	152	53	EP		824	48.760	.230							1.0
THL	HE	152	53	ES		825	8.54-	.130							1.0
LSK	HZ	156	360	EP		824	48.92-	.240							1.0
LSK	HN	156	360	ES		825	9.970	.160							1.0
LSK	HZ	156	360	IAML		825	18.49			38	0.8				

**December 8 2021 Hour: 10:10 59.0 Lat: 38.84N Lon: 20.61E D: 24.3 Ag: TIR Local**  
**Magnitudes: 2.4ML TIR Rms: 0.1 secs**

**98 km S of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KEK	HZ	120	324	EP		1011	19.630	.110							1.0
KEK	HE	120	324	ES		1011	35.93-	.170							1.0
KEK	HZ	120	324	IAML		1011	46.76			87	1.6				
SRN	HZ	127	336	EP		1011	20.59-	.040							1.0
SRN	HE	127	336	ES		1011	38.120	.000							1.0
SRN	HZ	127	336	IAML		1011	44.65			29	1.0				
THL	HZ	145	56	EP		1011	23.44-	.060							1.0
THL	HN	145	56	ES		1011	43.19-	.120							1.0
LSK	HZ	145	359	EP		1011	23.750	.140							1.0
LSK	HN	145	359	ES		1011	43.660	.150							1.0
LSK	HZ	145	359	IAML		1011	46.63			24	0.8				

**December 8 2021 Hour: 17:25 16.7 Lat: 39.48N Lon: 20.45E D: 10.0F Ag: TIR Local**  
**Magnitudes: 2.8ML TIR Rms: 0.6 secs**

**26 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	12	299	EP		1725	19.830	.340							1.0
IGT	HN	12	299	IS		1725	21.950	.150							1.0
IGT	HZ	12	299	IAML		1725	22.48			1748	0.1				
SRN	HZ	59	319	EP		1725	26.82-	.470							1.0
SRN	HN	59	319	IS		1725	35.37-	.530							1.0
SRN	HZ	59	319	IAML		1725	36.20			265	0.8				
KEK	HZ	62	295	IP		1725	27.53-	.260							1.0
KEK	HE	62	295	IS		1725	37.230	.420							1.0
KEK	HZ	62	295	IAML		1725	42.95			509	0.7				



LSK	HZ	76	9	EP	1725	29.02-1.04									1.0
LSK	HN	76	9	IS	1725	40.32-.600									1.0
LSK	HZ	76	9	IAML	1725	47.88		100	0.5						
KBN	HZ	130	12	EP	1725	40.22 1.05									1.0
KBN	HN	130	12	IS	1725	58.47 1.06									1.0
KBN	HZ	130	12	IAML	1726	2.03		48	0.6						
THL	HZ	134	85	EP	1725	40.220.400									1.0
THL	HN	134	85	ES	1725	58.19-.400									1.0

**December 8 2021 Hour: 21:18 48.8 Lat: 41.51N Lon: 19.65E D: 23.5 Ag: TIR Local**  
**Magnitudes: 1.4ML TIR Rms: 0.3 secs**  
**11 km W of Kruje**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIR	HZ	26	136	IP		2118	54.72-.070								1.0
TIR	HN	26	136	IS		2118	59.47-.180								1.0
TIR	HZ	26	136	IAML		2119	0.40			16	0.5				
SDA	HZ	61	348	IP		2119	0.180.180								1.0
SDA	HN	61	348	IS		2119	9.240.150								1.0
PUK	HZ	62	19	IP		2119	0.390.120								1.0
PUK	HN	62	19	IS		2119	9.990.420								1.0
PUK	HZ	62	19	IAML		2119	14.45			10	0.5				
PHP	HZ	69	74	IP		2119	1.650.390								1.0
PHP	HN	69	74	IS		2119	11.500.140								1.0
PHP	HZ	69	74	IAML		2119	25.90			8	1.8				
BCI	HZ	101	20	IP		2119	5.96-.380								1.0
BCI	HN	101	20	IS		2119	19.79-.770								1.0
BCI	HZ	101	20	IAML		2119	23.42			21	2.8				

**December 8 2021 Hour: 21:25 25.3 Lat: 39.33N Lon: 20.53E D: 10.0 Ag: TIR Local**  
**Magnitudes: 1.7ML TIR Rms: 0.6 secs**  
**35 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	28	322	IP		2125	30.700.100								1.0
IGT	HN	28	322	IS		2125	34.920.030								1.0
IGT	HZ	28	322	IAML		2125	35.93			47	0.3				
KEK	HZ	76	304	IP		2125	39.230.520								1.0
KEK	HN	76	304	IS		2125	50.280.700								1.0
KEK	HZ	76	304	IAML		2125	56.45			18	0.9				
SRN	HZ	76	323	IP		2125	37.77-.930								1.0
SRN	HN	76	323	IS		2125	48.66-.900								1.0
SRN	HZ	76	323	IAML		2125	55.33			10	1.2				
LSK	HZ	91	4	EP		2125	41.16-.080								1.0
LSK	HN	91	4	IS		2125	54.690.550								1.0

**December 8 2021 Hour: 21:30 39.4 Lat: 39.41N Lon: 20.67E D: 0.0 Ag: TIR Local**  
**Magnitudes: 1.8ML TIR Rms: 0.4 secs**  
**50 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	32	295	IP		2130	45.270.120								1.0
IGT	HN	32	295	IS		2130	49.40-.390								1.0
IGT	HZ	32	295	IAML		2130	50.24			72	0.2				
SRN	HZ	78	312	IP		2130	52.60-.670								1.0
SRN	HN	78	312	IS		2131	4.610.120								1.0
SRN	HZ	78	312	IAML		2131	13.50			10	0.9				
KEK	HZ	82	294	IP		2130	54.01-.070								1.0
KEK	HN	82	294	IS		2131	6.510.560								1.0
KEK	HZ	82	294	IAML		2131	9.61			50	1.3				
LSK	HZ	82	356	IP		2130	54.640.540								1.0
LSK	HN	82	356	IS		2131	5.79-.210								1.0
LSK	HZ	82	356	IAML		2131	10.72			15	1.6				

**December 9 2021 Hour: 3:35 13.2 Lat: 41.58N Lon: 19.68E D: 10.0F Ag: TIR Local**  
**Magnitudes: 1.6ML TIR Rms: 0.9 secs**  
**4 km SE of Lac**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SDA	HZ	55	344	IP		335	23.670	.560							1.0
SDA	HN	55	344	IS		335	29.39	-1.71							1.0
PUK	HZ	55	19	IP		335	23.800	.620							1.0
PUK	HN	55	19	IS		335	31.800	.570							1.0
PUK	HZ	55	19	IAML		335	35.37			8	0.3				1.0
PHP	HZ	65	79	IP		335	25.260	.430							1.0
PHP	HN	65	79	IS		335	33.04	-1.17							1.0
PHP	HZ	65	79	IAML		335	42.08			20	2.1				1.0
BCI	HZ	93	20	EP		335	29.59	-.020							1.0
BCI	HN	93	20	IS		335	43.580	.710							1.0
BCI	HZ	93	20	IAML		335	45.24			8	0.3				1.0

**December 9 2021 Hour: 3:53 56.7 Lat: 41.15N Lon: 20.15E D: 10.0F Ag: TIR Local**  
**Magnitudes: 1.6ML TIR Rms: 0.4 secs**  
**5 km NE of Elbasan**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIR	HZ	32	314	IP		354	2.71	-.100							1.0
TIR	HN	32	314	IS		354	7.50	-.220							1.0
TIR	HZ	32	314	IAML		354	9.47			19	0.6				1.0
BERA	HZ	52	199	IP		354	6.400	.210							1.0
BERA	HN	52	199	IS		354	13.900	.050							1.0
PHP	HZ	65	22	IP		354	8.26	-.060							1.0
PHP	HN	65	22	IS		354	17.61	-.090							1.0
PHP	HZ	65	22	IAML		354	23.17			24	2.4				1.0
PUK	HZ	102	348	IP		354	13.90	-.610							1.0
PUK	HN	102	348	IS		354	29.730	.820							1.0

**December 9 2021 Hour: 11:7 33.1 Lat: 39.40N Lon: 20.59E D: 6.6 Ag: TIR Local**  
**Magnitudes: 2.6ML TIR Rms: 0.9 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	303	EP		11	7	39.06	1.12						1.0
IGT	HN	26	303	ES		11	7	41.20	-.650						1.0
IGT	HZ	26	303	IAML		11	7	42.02		2229	0.1				1.0
SRN	HZ	73	317	EP		11	7	45.49	-.700						1.0
SRN	HE	73	317	ES		11	7	55.59	-1.21						1.0
SRN	HZ	73	317	IAML		11	7	58.62		59					1.0
KEK	HZ	76	297	EP		11	7	46.43	-.300						1.0
KEK	HN	76	297	ES		11	7	59.17	1.41						1.0
KEK	HZ	76	297	IAML		11	8	0.79		205	0.7				1.0
LSK	HZ	83	1	EP		11	7	47.62	-.330						1.0
LSK	HN	83	1	ES		11	8	0.940	.960						1.0
LSK	HZ	83	1	IAML		11	8	9.37		48	0.4				1.0
KBN	HZ	137	7	EP		11	7	56.33	-.560						0.7

**December 9 2021 Hour: 14:9 40.1 Lat: 41.49N Lon: 19.87E D: 19.3 Ag: TIR Local**  
**Magnitudes: 1.2ML TIR Rms: 0.2 secs**  
**8 km N of Peqin**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIR	HZ	16	181	EP		14	9	44.06	-.430						1.0
TIR	HE	16	181	ES		14	9	48.300	.240						1.0
TIR	HZ	16	181	IAML		14	9	50.03		21	0.2				1.0
PHP	HZ	52	66	EP		14	9	49.790	.060						1.0
PUK	HZ	61	2	EP		14	9	51.360	.180						1.0
PUK	HN	61	2	ES		1410		0.01	-.160						1.0
PUK	HZ	61	2	IAML		1410		2.71		6	0.2				1.0
SDA	HZ	69	334	IAML		1410		4.57		74	2.1				1.0
PDG	HZ	116	334	EP		1410		0.310	.200						0.7

December 9 2021 Hour: 21:35 17.4 Lat: 39.01N Lon: 20.65E D: 8.6 Ag: TIR Local  
 Magnitudes: 2.5ML TIR Rms: 0.8 secs  
 82 km SE of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	64	335	EP		2135	28.13	-.860							1.0
IGT	HN	64	335	ES		2135	38.990	.630							1.0
IGT	HZ	64	335	IAML		2135	42.54			74	1.5				
KEK	HZ	107	317	EP		2135	35.19	-.970							1.0
KEK	HN	107	317	ES		2135	51.530	.180							1.0
KEK	HZ	107	317	IAML		2135	53.82			125	0.6				
SRN	HZ	112	330	EP		2135	36.940	.060							1.0
SRN	HN	112	330	ES		2135	53.76	1.11							1.0
SRN	HZ	112	330	IAML		2136	5.39			48	1.0				
LSK	HZ	127	358	EP		2135	39.39	-.030							1.0
LSK	HN	127	358	ES		2135	58.29	1.04							1.0
LSK	HZ	127	358	IAML		2136	5.05			81	0.5				
THL	HZ	133	62	EP		2135	39.92	-.450							1.0
THL	HE	133	62	ES		2135	59.150	.190							1.0
KBN	HZ	179	4	EP		2135	49.06	1.01							0.9
KBN	HN	179	4	ES		2136	12.56	-.300							0.9
KBN	HZ	179	4	IAML		2136	20.08			21	0.9				
ITM	HZ	232	151	EP		2135	55.380	.650							0.9
ITM	HN	232	151	ES		2136	25.660	.700							0.9
PHP	HZ	297	357	EP		2136	2.24	-.920							0.8
PUK	HZ	343	349	EP		2136	7.32	-1.68							0.8
PUK	HN	343	349	ES		2136	49.45	-1.34							0.8
PUK	HZ	343	349	IAML		2136	58.29			6	2.1				

December 10 2021 Hour: 0:3 48.0 Lat: 39.65N Lon: 20.40E D: 17.8 Ag: TIR Local  
 Magnitudes: 2.5ML TIR Rms: 0.5 secs  
 18 km E of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	14	204	EP		0 3	51.89	-.050							1.0
IGT	HN	14	204	ES		0 3	55.12	-.060							1.0
IGT	HZ	14	204	IAML		0 3	55.83			2021	0.2				
SRN	HZ	43	307	EP		0 3	55.45	-.550							1.0
SRN	HN	43	307	ES		0 4	2.740	.220							1.0
SRN	HZ	43	307	IAML		0 4	3.47			172	0.4				
KEK	HZ	52	278	EP		0 3	57.46	-.050							1.0
KEK	HN	52	278	ES		0 4	5.300	.050							1.0
KEK	HZ	52	278	IAML		0 4	10.43			445	0.5				
LSK	HZ	58	17	EP		0 3	58.07	-.480							1.0
LSK	HN	58	17	ES		0 4	6.47	-.670							1.0
LSK	HZ	58	17	IAML		0 4	8.12			80	0.5				
KBN	HZ	113	17	EP		0 4	7.36	-.270							1.0
KBN	HN	113	17	ES		0 4	24.500	.930							1.0
KBN	HZ	113	17	IAML		0 4	31.69			28	1.1				
VLO	HZ	119	320	EP		0 4	8.21	-.400							1.0
VLO	HN	119	320	ES		0 4	26.37	1.03							1.0
VLO	HZ	119	320	IAML		0 4	32.90			66	0.6				
THL	HZ	139	93	EP		0 4	11.960	.200							1.0
THL	HN	139	93	ES		0 4	31.530	.490							1.0
PHP	HZ	226	1	EP		0 4	24.000	.460							0.9
PHP	HN	226	1	ES		0 4	51.29	-1.08							0.9
PHP	HZ	226	1	IAML		0 5	3.56			13	0.7				
PUK	HZ	269	351	EP		0 4	29.220	.110							0.9
PUK	HN	269	351	ES		0 5	2.600	.160							0.9
PUK	HZ	269	351	IAML		0 5	22.62			8	1.9				

**December 10 2021 Hour: 5:1 21.6 Lat: 39.52N Lon: 20.45E D: 5.8 Ag: TIR Local**  
**Magnitudes: 1.9ML TIR Rms: 0.4 secs**  
**27 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	10	275	EP		5	1	23.29-.450							1.0
IGT	HN	10	275	ES		5	1	25.670.230							1.0
IGT	HZ	10	275	IAML		5	1	26.05		136	0.1				
SRN	HZ	55	316	EP		5	1	30.94-.590							1.0
SRN	HN	55	316	ES		5	1	39.37-.180							1.0
KEK	HZ	60	291	EP		5	1	32.29-.050							1.0
KEK	HE	60	291	ES		5	1	41.490.470							1.0
KEK	HZ	60	291	IAML		5	1	51.69		47	1.1				
LSK	HZ	71	10	EP		5	1	35.120.820							1.0
LSK	HN	71	10	ES		5	1	44.32-.240							1.0

**December 10 2021 Hour: 5:14 14.8 Lat: 39.93N Lon: 20.04E D: 13.4 Ag: TIR Local**  
**Magnitudes: 2.0ML TIR Rms: 0.1 secs**  
**3 km NW of Finiq**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRN	HZ	7	213	EP		514		17.540.100							1.0
SRN	HN	7	213	ES		514		19.51-.080							1.0
SRN	HZ	7	213	IAML		514		20.16		426	0.1				
KEK	HZ	32	221	EP		514		20.85-.080							1.0
KEK	HN	32	221	ES		514		26.030.120							1.0
KEK	HZ	32	221	IAML		514		27.05		151	0.5				
IGT	HZ	51	151	EP		514		23.88-.110							1.0
IGT	HN	51	151	ES		514		31.500.040							1.0
IGT	HZ	51	151	IAML		514		34.09		25	0.5				
LSK	HZ	53	63	EP		514		24.31-.110							1.0
LSK	HN	53	63	ES		514		32.350.120							1.0
LSK	HZ	53	63	IAML		514		34.34		26	0.5				

**December 10 2021 Hour: 7:48 39.4 Lat: 39.53N Lon: 20.55E D: 4.7 Ag: TIR Local**  
**Magnitudes: 2.1ML TIR Rms: 0.1 secs**  
**34 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	18	269	EP		748		43.090.280							1.0
IGT	HN	18	269	ES		748		45.39-.160							1.0
IGT	HZ	18	269	IAML		748		45.98		319	0.2				
SRN	HZ	60	310	EP		748		50.06-.190							1.0
SRN	HN	60	310	ES		748		59.030.020							1.0
SRN	HZ	60	310	IAML		749		2.34		41	0.9				
KEK	HZ	67	287	EP		748		51.37-.070							1.0
KEK	HN	67	287	ES		749		1.280.120							1.0
KEK	HZ	67	287	IAML		749		4.84		45	0.5				
LSK	HZ	68	4	EP		748		51.64-.060							1.0
LSK	HE	68	4	ES		749		1.700.070							1.0

**December 10 2021 Hour: 11:4 22.3 Lat: 39.54N Lon: 20.50E D: 3.1 Ag: TIR Local**  
**Magnitudes: 2.1ML TIR Rms: 0.5 secs**  
**30 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	15	268	EP		11	4	24.92-.060							1.0
IGT	HN	15	268	ES		11	4	27.16-.000							1.0
IGT	HZ	15	268	IAML		11	4	27.79		647	0.1				
SRN	HZ	58	312	EP		11	4	31.50-1.07							1.0
SRN	HN	58	312	ES		11	4	41.070.170							1.0
SRN	HZ	58	312	IAML		11	4	45.79		17	0.1				
KEK	HZ	64	288	EP		11	4	34.280.630							1.0
KEK	HN	64	288	ES		11	4	42.900.040							1.0
KEK	HZ	64	288	IAML		11	4	54.15		69	0.5				
LSK	HZ	69	7	EP		11	4	34.830.290							1.0
LSK	HZ	69	7	IAML		11	4	55.23		35	1.2				

**December 10 2021 Hour: 11:11 50.6 Lat: 39.42N Lon: 20.49E D: 13.8 Ag: TIR Local**  
**Magnitudes: 3.5ML TIR Rms: 0.8 secs**  
**38 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	18	313	EP		1111	54.880	.210							1.0
IGT	HN	18	313	ES		1111	57.02	-.930							1.0
IGT	HZ	18	313	IAML		1111	57.96		14340	0.1					
SRN	HZ	66	321	EP		1112	1.66	-.660							1.0
SRN	HZ	66	321	IAML		1112	11.66		1147	0.3					
SRN	HE	66	321	ES		1112	11.70	-.090							1.0
KEK	HZ	67	299	EP		1112	2.880	.280							1.0
KEK	HN	67	299	ES		1112	14.31	2.00							1.0
KEK	HZ	67	299	IAML		1112	20.93		2153						
LSK	HZ	81	7	EP		1112	3.66	-1.30							1.0
LSK	HN	81	7	ES		1112	16.08	-.500							1.0
LSK	HZ	81	7	IAML		1112	18.72		472	1.0					
THL	HZ	132	83	EP		1112	13.08	-.310							1.0
THL	HE	132	83	ES		1112	32.740	.920							1.0
KBN	HZ	136	11	EP		1112	14.400	.370							1.0
KBN	HN	136	11	ES		1112	34.35	1.36							1.0
KBN	HZ	136	11	IAML		1112	38.51		223	0.6					
VLO	HZ	144	324	EP		1112	14.78	-.540							1.0
VLO	HZ	144	324	IAML		1112	49.37		357	0.7					
TIR	HZ	220	346	EP		1112	25.26	-.560							0.9
TIR	HE	220	346	ES		1112	54.05	-.270							0.9
TIR	HZ	220	346	IAML		1113	8.80		56	0.7					
PHP	HZ	251	359	EP		1112	30.260	.410							0.9
PHP	HN	251	359	ES		1113	1.770	.140							0.9
PUK	HZ	295	350	EP		1112	34.89	-.640							0.8

**December 10 2021 Hour: 12:52 25.0 Lat: 39.63N Lon: 20.00E D: 2.6 Ag: TIR Local**  
**Magnitudes: 1.9ML TIR Rms: 0.5 secs**  
**17 km W of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KEK	HZ	20	297	EP		1252	28.27	-.310							1.0
SRN	HZ	28	360	EP		1252	30.250	.270							0.7
SRN	HZ	28	360	IAML		1252	51.58		40	1.8					
IGT	HZ	31	111	EP		1252	31.430	.920							1.0
IGT	HE	31	111	ES		1252	34.33	-.620							1.0
IGT	HZ	31	111	IAML		1252	34.57		131	0.1					
NEST	HZ	125	45	EP		1252	46.99	-.140							1.0

**December 10 2021 Hour: 16:22 49.8 Lat: 39.52N Lon: 20.44E D: 16.8 Ag: TIR Local**  
**Magnitudes: 2.7ML TIR Rms: 0.6 secs**  
**27 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	9	281	EP		1622	52.90	-.270							1.0
IGT	HN	9	281	ES		1622	55.08	-.840							1.0
IGT	HZ	9	281	IAML		1622	55.82		4573	0.1					
SRN	HZ	55	317	EP		1622	59.890	.130							1.0
SRN	HE	55	317	ES		1623	8.030	.190							1.0
SRN	HZ	55	317	IAML		1623	9.36		219	0.9					
KEK	HZ	59	292	EP		1623	0.770	.350							1.0
KEK	HN	59	292	ES		1623	9.880	.840							1.0
KEK	HZ	59	292	IAML		1623	16.05		270	1.3					
LSK	HZ	72	11	EP		1623	2.08	-.480							1.0
LSK	HN	72	11	ES		1623	13.770	.850							1.0
LSK	HZ	72	11	IAML		1623	20.09		66	0.8					
NEST	HZ	113	27	EP		1623	8.93	-.430							1.0
NEST	HZ	113	27	IAML		1623	28.78		38	0.7					
THL	HZ	136	87	EP		1623	13.140	.010							1.0
THL	HN	136	87	ES		1623	32.700	.650							1.0
PHP	HZ	241	0	EP		1623	27.570	.230							0.9

PHP HN 241 0 ES 1623 56.28-1.49 0.9  
 PHP HZ 241 0 IAML 1624 24.35 15 1.8

**December 10 2021 Hour: 19:44 30.2 Lat: 40.89N Lon: 20.40E D: 28.9 Ag: TIR Local**  
**Magnitudes: 1.7ML TIR 2.1MW TIR Rms: 0.3 secs**  
**17 km E of Gramsh**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BERA	HN	43	241	EP		1944	38.87-	.120							1.0
BERA	HE	43	241	ES		1944	46.250.	.150							1.0
KBN	HZ	44	132	EP		1944	39.580.	.320							1.0
KBN	HE	44	132	ES		1944	46.39-	.190							1.0
KBN	HZ	44	132	IAML		1944	48.11		19	1.8					
NEST	HZ	76	133	EP		1944	44.03-	.020							1.0
NEST	HN	76	133	ES		1944	55.420.	.160							1.0
NEST	HZ	76	133	IAML		1945	5.32		22	3.5					
PHP	HZ	88	2	EP		1944	45.57-	.300							1.0
PHP	HN	88	2	ES		1944	58.740.	.200							1.0
PHP	HZ	88	2	IAML		1945	8.90		14	2.0					
PUK	HZ	135	342	EP		1944	52.25-	.760							1.0
PUK	HN	135	342	ES		1945	12.020.	.550							1.0
PUK	HZ	135	342	IAML		1945	20.91		4	0.6					

**December 11 2021 Hour: 4:43 41.9 Lat: 42.26N Lon: 19.09E D: 8.0 Ag: TIR Local**  
**Magnitudes: 1.7ML TIR Rms: 0.3 secs**  
**36 km W of Koplík**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PDG	HZ	23	36	EP		443	46.420.	.140							1.0
PDG	HN	23	36	ES		443	49.58-	.270							1.0
PDG	HZ	23	36	IAML		443	49.71		76	0.2					
SDA	HZ	41	125	EP		443	49.15-	.140							1.0
SDA	HZ	41	125	IAML		444	13.24		41	1.4					
PUK	HZ	70	110	EP		443	54.980.	.480							1.0
PUK	HZ	70	110	IAML		444	15.61		6	1.8					
BCI	HZ	81	81	EP		443	56.18-	.130							1.0
BCI	HN	81	81	ES		444	8.300.	.300							1.0
BCI	HZ	81	81	IAML		444	10.87		9	0.3					
PHP	HZ	128	119	EP		444	4.17-	.060							1.0
PHP	HN	128	119	ES		444	21.99-	.340							1.0

**December 11 2021 Hour: 5:4 15.5 Lat: 40.55N Lon: 20.28E D: 10.0F Ag: TIR Local**  
**Magnitudes: 1.8ML TIR Rms: 0.8 secs**  
**6 km NE of Corovode**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KBN	HZ	44	79	EP		5 4	22.79-	.740							1.0
KBN	HN	44	79	ES		5 4	30.980.	.930							1.0
KBN	HZ	44	79	IAML		5 4	32.24		13	0.2					
LSK	HZ	52	149	EP		5 4	24.65-	.360							1.0
LSK	HZ	52	149	IAML		5 4	38.34		31	1.4					
NEST	HZ	67	103	EP		5 4	26.47-	1.01							1.0
NEST	HE	67	103	ES		5 4	36.89-	.320							1.0
NEST	HZ	67	103	IAML		5 4	40.18		36	1.4					
SRN	HZ	78	198	EP		5 4	29.26-	.030							1.0
SRN	HE	78	198	ES		5 4	40.630.	.150							1.0
THL	HZ	184	126	EP		5 4	48.06	1.60							0.9

**December 11 2021 Hour: 5:5 20.0 Lat: 40.48N Lon: 20.31E D: 6.4 Ag: TIR Local**  
**Magnitudes: 1.8ML TIR Rms: 0.6 secs**  
**6 km N of Corovode**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BERA	HN	39	309	ES		5 5	32.45-	.290							1.0
KBN	HZ	44	69	EP		5 5	27.84-	.010							1.0
KBN	HN	44	69	ES		5 5	35.080.	.840							1.0
KBN	HZ	44	69	IAML		5 5	36.51		19	0.4					
LSK	HZ	44	146	EP		5 5	27.15-	.840							1.0

LSK	HZ	44	146	IAML	5	5	53.40		40	0.9					
NEST	HZ	63	97	EP	5	5	30.47-.870								1.0
NEST	HZ	63	97	IAML	5	5	48.47		7	0.5					
SRN	HZ	72	201	EP	5	5	33.470.650								1.0
SRN	HN	72	201	ES	5	5	43.740.500								1.0
SRN	HZ	72	201	IAML	5	5	55.17		73	2.7					
IGT	HZ	105	179	EP	5	5	38.780.240								1.0
IGT	HZ	105	179	IAML	5	5	53.02		41	0.3					
IGT	HN	105	179	ES	5	5	53.39-.210								1.0

**December 11 2021 Hour: 13:58 36.0 Lat: 41.51N Lon: 19.47E D: 30.5 Ag: TIR Local**  
**Magnitudes: 1.5ML TIR Rms: 0.1 secs**  
**20 km N of Shijak**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIR	HZ	38	119	EP		1358	44.07-.080								1.0
TIR	HE	38	119	ES		1358	50.810.030								1.0
TIR	HZ	38	119	IAML		1358	51.38			19	0.3				
SDA	HZ	60	2	EP		1358	47.470.250								1.0
SDA	HN	60	2	ES		1358	56.29-.040								1.0
PUK	HZ	68	31	EP		1358	48.53-.070								1.0
PUK	HN	68	31	ES		1358	58.73-.100								1.0
PUK	HZ	68	31	IAML		1358	59.31			7	0.4				
PHP	HZ	83	76	EP		1358	50.66-.140								1.0
PHP	HN	83	76	ES		1359	2.970.160								1.0

**December 11 2021 Hour: 14:34 49.0 Lat: 41.87N Lon: 19.48E D: 24.7 Ag: TIR Local**  
**Magnitudes: 1.7ML TIR Rms: 0.1 secs**  
**17 km NW of Lezhe**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SDA	HZ	20	6	EP		1434	54.550.110								1.0
SDA	HN	20	6	ES		1434	58.72-.120								1.0
SDA	HZ	20	6	IAML		1434	59.13			36	0.1				
PUK	HZ	39	61	EP		1434	57.140.070								1.0
PUK	HN	39	61	ES		1435	3.670.070								1.0
PUK	HZ	39	61	IAML		1435	6.08			20	0.1				
BCI	HZ	74	42	EP		1435	2.260.010								1.0
BCI	HN	74	42	ES		1435	12.94-.040								1.0
BCI	HZ	74	42	IAML		1435	18.29			16	0.4				
PHP	HZ	83	104	EP		1435	3.65-.090								1.0
PHP	HN	83	104	ES		1435	15.67-.010								1.0
PHP	HZ	83	104	IAML		1435	16.93			13	0.2				

**December 11 2021 Hour: 20:12 36.0 Lat: 41.81N Lon: 20.17E D: 28.7 Ag: TIR Local**  
**Magnitudes: 1.9ML TIR Rms: 0.7 secs**  
**25 km NW of Peshkopi**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PHP	HZ	26	122	EP		2012	43.220.550								1.0
PHP	HN	26	122	ES		2012	47.93-.140								1.0
PHP	HZ	26	122	IAML		2012	48.36			31	0.3				
PUK	HZ	35	318	EP		2012	44.150.380								1.0
PUK	HN	35	318	ES		2012	49.41-.650								1.0
PUK	HZ	35	318	IAML		2012	49.74			42	0.6				
TIR	HE	58	207	ES		2012	55.740.050								1.0
SDA	HZ	62	296	EP		2012	47.950.400								1.0
SDA	HE	62	296	ES		2012	56.85-.040								1.0
SDA	HZ	62	296	IAML		2012	57.40			28	0.1				
BCI	HZ	63	352	EP		2012	47.46-.200								1.0
BCI	HE	63	352	ES		2012	57.380.290								1.0
BCI	HZ	63	352	IAML		2012	59.64			12	0.2				
PDG	HZ	102	313	EP		2012	51.92-1.85								1.0
PDG	HN	102	313	ES		2013	9.36 1.20								1.0
PDG	HZ	102	313	IAML		2013	13.02			13	0.1				

**December 12 2021 Hour: 1:12 2.2 Lat: 39.56N Lon: 20.41E D: 1.8 Ag: TIR Local**  
**Magnitudes: 2.1ML TIR Rms: 0.9 secs**

**26 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	7	242	EP		112	2.74	-.770							1.0
IGT	HN	7	242	ES		112	5.460	.880							1.0
IGT	HZ	7	242	IAML		112	5.91			358	0.1				
SRN	HZ	49	316	EP		112	9.19	-1.85							1.0
SRN	HN	49	316	ES		112	18.890	.690							1.0
SRN	HZ	49	316	IAML		112	35.34			35	1.3				
KEK	HZ	55	288	EP		112	12.300	.330							1.0
KEK	HZ	55	288	IAML		112	27.71			88	1.8				
LSK	HZ	67	14	EP		112	13.55	-.690							1.0
LSK	HN	67	14	ES		112	23.78	-.200							1.0
NEST	HZ	109	30	EP		112	22.200	.440							1.0
NEST	HN	109	30	ES		112	38.80	1.20							1.0
NEST	HZ	109	30	IAML		112	52.41			47	4.1				

**December 12 2021 Hour: 2: 8 26.8 Lat: 41.57N Lon: 19.42E D: 25.0 Ag: TIR Local**  
**Magnitudes: 1.5ML TIR Rms: 0.7 secs**

**25 km W of Lac**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIR	HZ	44	123	EP		2 8	35.760	.250							1.0
TIR	HE	44	123	ES		2 8	42.570	.010							1.0
SDA	HZ	54	7	EP		2 8	35.32	-1.67							1.0
SDA	HE	54	7	ES		2 8	45.580	.350							1.0
SDA	HZ	54	7	IAML		2 8	53.78			39	1.5				
PUK	HZ	66	36	EP		2 8	39.860	.990							1.0
PUK	HN	66	36	ES		2 8	48.850	.210							1.0
PUK	HZ	66	36	IAML		2 8	52.56			3	0.2				
PHP	HZ	86	81	EP		2 8	42.350	.350							1.0
PHP	HN	86	81	ES		2 8	53.54	-.760							1.0
BCI	HZ	104	31	EP		2 8	45.100	.300							1.0
BCI	HN	104	31	ES		2 8	59.33	-.040							1.0

**December 12 2021 Hour: 6: 1 47.4 Lat: 39.53N Lon: 20.76E D: 3.9 Ag: TIR Local**  
**Magnitudes: 2.2ML TIR Rms: 0.5 secs**

**51 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	37	270	EP		6 1	54.150	.100							1.0
IGT	HZ	37	270	IAML		6 1	58.39			211	0.1				
LSK	HZ	70	348	EP		6 1	58.85	-1.04							1.0
LSK	HN	70	348	ES		6 2	10.400	.370							1.0
LSK	HZ	70	348	IAML		6 2	26.92			26	2.0				
SRN	HZ	76	301	EP		6 2	1.350	.380							1.0
SRN	HN	76	301	ES		6 2	11.80	-.170							1.0
SRN	HZ	76	301	IAML		6 2	21.87			37	1.1				
NEST	HZ	101	14	EP		6 2	5.780	.370							1.0
NEST	HZ	101	14	IAML		6 2	35.46			38	2.7				

**December 12 2021 Hour: 10:56 56.2 Lat: 39.50N Lon: 20.46E D: 10.8 Ag: TIR Local**  
**Magnitudes: 2.4ML TIR Rms: 0.8 secs**

**24 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	12	288	IP		1056	59.130	.060							1.0
IGT	HN	12	288	IS		1057	1.29	-.130							1.0
IGT	HZ	12	288	IAML		1057	2.13			450	0.1				
SRN	HZ	58	317	IP		1057	6.710	.160							1.0
SRN	HN	58	317	IS		1057	14.49	-.470							1.0
LSK	HZ	73	9	IP		1057	10.71	1.58							1.0
LSK	HN	73	9	IS		1057	20.240	.610							1.0
NEST	HZ	113	26	IP		1057	14.65	-1.17							1.0
NEST	HN	113	26	IS		1057	31.06	-.680							1.0



NEST HZ 113 26 IAML 1057 34.54 38 3.3

**December 12 2021 Hour: 15:26 53.7 Lat: 41.59N Lon: 19.44E D: 19.6 Ag: TIR Local**  
**Magnitudes: 1.3ML TIR Rms: 0.2 secs**

**23 km W of Lac**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIR	HZ	44	127	EP		1527	2.00	-.050							1.0
TIR	HN	44	127	ES		1527	8.79	-.040							1.0
TIR	HZ	44	127	IAML		1527	10.51			15	0.2				
SDA	HZ	52	5	EP		1527	2.85	-.390							1.0
SDA	HE	52	5	ES		1527	11.130	.160							1.0
PUK	HZ	63	36	EP		1527	5.260	.140							1.0
PUK	HE	63	36	ES		1527	14.470	.100							1.0
PUK	HZ	63	36	IAML		1527	17.92			6	0.5				
PHP	HZ	84	82	EP		1527	8.640	.120							1.0
PHP	HN	84	82	ES		1527	20.38	-.160							1.0
PHP	HZ	84	82	IAML		1527	22.21			5	0.3				
BERA	HN	107	156	ES		1527	27.520	.130							1.0

**December 12 2021 Hour: 15:48 6.1 Lat: 41.81N Lon: 20.16E D: 22.6 Ag: TIR Local**  
**Magnitudes: 2.1ML TIR Rms: 0.2 secs**

**22 km E of Reshen**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PHP	HZ	27	120	EP		1548	12.530	.200							1.0
PHP	HN	27	120	ES		1548	17.34	-.000							1.0
PHP	HZ	27	120	IAML		1548	18.12			207	0.1				
PUK	HZ	34	320	EP		1548	13.390	.120							1.0
PUK	HN	34	320	ES		1548	18.94	-.100							1.0
PUK	HZ	34	320	IAML		1548	19.22			83	0.4				
TIR	HZ	57	206	EP		1548	16.55	-.100							1.0
TIR	HE	57	206	ES		1548	25.02	-.140							1.0
TIR	HZ	57	206	IAML		1548	26.85			35	0.2				
SDA	HZ	61	296	EP		1548	17.390	.120							1.0
SDA	HN	61	296	ES		1548	26.20	-.090							1.0
SDA	HZ	61	296	IAML		1548	27.29			40	0.1				
BCI	HZ	62	353	EP		1548	17.590	.010							1.0
BCI	HN	62	353	ES		1548	27.000	.160							1.0
BCI	HZ	62	353	IAML		1548	30.01			47	0.3				
PDG	HZ	101	313	EP		1548	23.760	.010							1.0
PDG	HN	101	313	ES		1548	37.93	-.080							1.0
PDG	HZ	101	313	IAML		1548	42.04			42	0.5				
BERA	HZ	124	188	EP		1548	27.32	-.030							1.0
BERA	HE	124	188	ES		1548	45.160	.630							1.0
KBN	HZ	142	158	EP		1548	29.54	-.670							1.0
KBN	HN	142	158	ES		1548	49.66	-.040							1.0
KBN	HZ	142	158	IAML		1548	59.69			12	0.3				
NEST	HZ	172	154	EP		1548	34.330	.010							0.9
NEST	HN	172	154	ES		1548	57.12	-.030							0.9
NEST	HZ	172	154	IAML		1549	1.45			18	0.6				

**December 12 2021 Hour: 15:54 1.6 Lat: 40.00N Lon: 21.37E D: 33.9 Ag: TIR Local**  
**Magnitudes: 2.0ML TIR Rms: 0.4 secs**

**67 km SE of Erseke**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
NEST	HZ	53	329	EP		1554	11.69	-.600							1.0
NEST	HN	53	329	ES		1554	21.640	.720							1.0
NEST	HZ	53	329	IAML		1554	25.14			106	0.4				
LSK	HZ	68	284	EP		1554	14.04	-.310							1.0
LSK	HN	68	284	ES		1554	24.43	-.220							1.0
LSK	HZ	68	284	IAML		1554	30.44			28	0.7				
THL	HZ	74	131	EP		1554	15.16	-.020							1.0
THL	HE	74	131	ES		1554	26.330	.180							1.0
IGT	HZ	103	240	EP		1554	19.700	.050							1.0
IGT	HE	103	240	ES		1554	34.380	.130							1.0

IGT	HZ	103	240	IAML		1554	41.65				17	1.0						
SRN	HZ	118	264	EP		1554	21.34-	.330										1.0
SRN	HE	118	264	ES		1554	38.300-	.400										1.0

**December 12 2021 Hour: 17:45 19.4 Lat: 41.79N Lon: 20.11E D: 20.8 Ag: TIR Local**  
**Magnitudes: 1.1ML TIR Rms: 0.2 secs**  
**19 km E of Reshen**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PHP	HZ	30	113	EP		1745	25.940-	.160							1.0
PHP	HN	30	113	ES		1745	30.82-	.110							1.0
PHP	HZ	30	113	IAML		1745	31.29			11	0.1				
PUK	HZ	33	327	EP		1745	26.580-	.270							1.0
PUK	HN	33	327	ES		1745	31.82-	.070							1.0
PUK	HZ	33	327	IAML		1745	34.13			9	0.1				
SDA	HZ	58	300	EP		1745	29.73-	.370							1.0
SDA	HN	58	300	ES		1745	38.880-	.140							1.0
BCI	HZ	64	357	EP		1745	31.100-	.040							1.0
BCI	HN	64	357	ES		1745	40.42-	.060							1.0

**December 12 2021 Hour: 23:12 49.1 Lat: 41.06N Lon: 20.06E D: 18.3 Ag: TIR Local**  
**Magnitudes: 1.6ML TIR Rms: 0.5 secs**  
**6 km SW of Elbasan**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIR	HZ	36	332	EP		2312	56.280-	.240							1.0
TIR	HE	36	332	ES		2313	1.68-	.020							1.0
TIR	HZ	36	332	IAML		2313	2.69			33	0.3				
BERA	HN	41	194	EP		2312	57.080-	.210							1.0
BERA	HE	41	194	ES		2313	2.92-	.280							1.0
PHP	HZ	76	24	EP		2313	1.96-	.600							1.0
PHP	HN	76	24	ES		2313	13.49-	.000							1.0
PHP	HZ	76	24	IAML		2313	16.75			4	0.3				
PUK	HZ	110	353	EP		2313	8.440-	.270							1.0
PUK	HE	110	353	ES		2313	24.120-	.470							1.0
PUK	HZ	110	353	IAML		2313	26.74			6	1.4				
SDA	HZ	119	337	EP		2313	10.430-	.740							1.0
SDA	HN	119	337	ES		2313	25.44-	.970							1.0
PDG	HN	166	337	ES		2313	39.16-	.060							0.9
PDG	HZ	166	337	IAML		2313	40.69			10	0.6				

**December 13 2021 Hour: 0:47 1.1 Lat: 40.67N Lon: 20.71E D: 9.1 Ag: TIR Local**  
**Magnitudes: 1.3ML TIR Rms: 0.2 secs**  
**4 km S of Maliq**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KBN	HZ	8	125	EP		047	3.440-	.050							1.0
KBN	HN	8	125	ES		047	5.16-	.080							1.0
KBN	HZ	8	125	IAML		047	6.38			61	0.2				
NEST	HZ	40	134	EP		047	8.660-	.170							1.0
NEST	HE	40	134	ES		047	14.20-	.260							1.0
NEST	HZ	40	134	IAML		047	15.14			38	0.2				
LSK	HZ	58	189	EP		047	12.080-	.450							1.0
LSK	HN	58	189	ES		047	20.02-	.130							1.0
LSK	HZ	58	189	IAML		047	22.33			5	0.3				
BERA	HN	64	274	EP		047	12.61-	.070							1.0
BERA	HE	64	274	ES		047	21.92-	.130							1.0

**December 13 2021 Hour: 0:48 20.3 Lat: 41.49N Lon: 19.95E D: 15.9 Ag: TIR Local**  
**Magnitudes: 0.7ML TIR Rms: 0.4 secs**  
**12 km W of Klos**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIR	HZ	17	204	EP		048	24.440-	.060							1.0
TIR	HN	17	204	ES		048	27.690-	.010							1.0
TIR	HZ	17	204	IAML		048	28.81			6	0.2				
PHP	HZ	47	62	EP		048	29.050-	.090							1.0
PHP	HN	47	62	ES		048	35.64-	.320							1.0

PHP	HZ	47	62	IAML	048	38.42			3	0.2					
PUK	HZ	62	356	EP	048	32.280.810									1.0
PUK	HN	62	356	ES	048	40.710.210									1.0
PUK	HZ	62	356	IAML	048	44.49			4	0.2					
SDA	HZ	73	329	EP	048	32.57-.630									1.0
SDA	HE	73	329	ES	048	43.41-.230									1.0

**December 13 2021 Hour: 2:23 37.5 Lat: 39.57N Lon: 20.50E D: 5.1 Ag: TIR Local**  
**Magnitudes: 1.8ML TIR 1.7MW TIR Rms: 0.6 secs**  
**29 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	15	253	EP		223	40.06-.290								1.0
IGT	HN	15	253	ES		223	42.32-.340								1.0
IGT	HZ	15	253	IAML		223	42.81			204	0.1				
SRN	HZ	55	309	EP		223	47.29-.030								1.0
SRN	HN	55	309	ES		223	54.63-.650								1.0
SRN	HZ	55	309	IAML		223	59.18			19	1.4				
KEK	HZ	62	285	EP		223	49.190.550								1.0
KEK	HE	62	285	IS		223	58.070.400								1.0
KEK	HZ	62	285	IAML		223	59.05			25	0.6				
LSK	HZ	65	8	EP		223	49.760.650								1.0
LSK	HN	65	8	ES		223	59.110.600								1.0
LSK	HZ	65	8	IAML		224	19.10			21	3.8				
NEST	HZ	105	26	EP		223	56.390.290								1.0
NEST	HZ	105	26	IAML		224	8.46			25	3.1				
NEST	HN	105	26	ES		224	9.98-1.18								1.0

**December 13 2021 Hour: 8:33 4.2 Lat: 42.02N Lon: 20.07E D: 18.8 Ag: TIR Local**  
**Magnitudes: 1.6ML TIR Rms: 0.1 secs**  
**6 km SE of Fushe-Arrez**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PUK	HZ	15	280	EP		833	8.700.230								1.0
PUK	HE	15	280	ES		833	11.81-.130								1.0
PUK	HZ	15	280	IAML		833	12.55			186	0.2				
BCI	HZ	39	360	EP		833	11.63-.040								1.0
BCI	HN	39	360	ES		833	17.800.060								1.0
BCI	HZ	39	360	IAML		833	20.58			22	0.3				
SDA	HZ	47	274	EP		833	13.090.100								1.0
SDA	HE	47	274	ES		833	20.160.040								1.0
PHP	HZ	48	140	EP		833	13.19-.000								1.0
PHP	HN	48	140	ES		833	20.43-.060								1.0
PDG	HZ	81	305	EP		833	18.38-.090								1.0
PDG	HE	81	305	ES		833	29.92-.110								1.0
PDG	HZ	81	305	IAML		833	32.33			10	0.2				

**December 13 2021 Hour: 10:13 20.3 Lat: 39.68N Lon: 20.40E D: 12.9 Ag: TIR Local**  
**Magnitudes: 1.9ML TIR Rms: 0.2 secs**  
**19 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	17	201	EP		1013	24.02-.160								1.0
IGT	HN	17	201	ES		1013	27.390.090								1.0
IGT	HZ	17	201	IAML		1013	27.80			85	0.3				
SRN	HZ	41	303	EP		1013	28.160.240								1.0
SRN	HN	41	303	ES		1013	33.87-.210								1.0
KEK	HZ	52	274	EP		1013	29.890.150								1.0
KEK	HN	52	274	ES		1013	37.36-.010								1.0
KEK	HZ	52	274	IAML		1013	41.80			41	0.6				
LSK	HZ	55	18	EP		1013	30.24-.030								1.0
LSK	HN	55	18	ES		1013	38.370.050								1.0
NEST	HZ	99	34	EP		1013	37.25-.290								1.0
NEST	HN	99	34	ES		1013	51.640.160								1.0

**December 13 2021 Hour: 10:16 7.0 Lat: 39.64N Lon: 20.42E D: 21.5 Ag: TIR Local**  
**Magnitudes: 2.0ML TIR Rms: 0.2 secs**  
**20 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	14	213	EP		1016	11.590	.110							1.0
IGT	HN	14	213	ES		1016	15.03	-.080							1.0
IGT	HZ	14	213	IAML		1016	15.31			119	0.2				
SRN	HZ	45	307	EP		1016	15.940	.370							1.0
SRN	HE	45	307	ES		1016	22.700	.190							1.0
SRN	HZ	45	307	IAML		1016	25.08			15	0.6				
KEK	HZ	54	279	EP		1016	16.94	-.080							1.0
KEK	HN	54	279	ES		1016	24.82	-.320							1.0
KEK	HZ	54	279	IAML		1016	29.80			48	0.6				
LSK	HZ	59	15	EP		1016	17.57	-.270							1.0
LSK	HN	59	15	ES		1016	26.640	.020							1.0
NEST	HZ	101	32	EP		1016	25.100	.310							1.0
NEST	HN	101	32	ES		1016	38.96	-.240							1.0

**December 13 2021 Hour: 14:57 44.0 Lat: 41.44N Lon: 20.19E D: 13.4 Ag: TIR Local**  
**Magnitudes: 2.3ML TIR Rms: 0.6 secs**  
**5 km S of Bulqize**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIR	HZ	29	249	IP		1457	49.56	-.080							1.0
TIR	HN	29	249	IS		1457	54.330	.080							1.0
TIR	HZ	29	249	IAML		1457	58.20			118	0.6				
PHP	HZ	34	38	IP		1457	50.35	-.060							1.0
PHP	HN	34	38	IS		1457	55.53	-.120							1.0
PHP	HZ	34	38	IAML		1457	57.75			159	0.4				
PUK	HZ	71	340	IP		1457	56.48	-.080							1.0
PUK	HN	71	340	IS		1458	7.390	.620							1.0
PUK	HZ	71	340	IAML		1458	11.87			47	0.3				
SDA	HZ	89	320	IP		1457	59.07	-.360							1.0
SDA	HN	89	320	IS		1458	12.050	.090							1.0
SDA	HZ	89	320	IAML		1458	14.74			50	0.3				
BCI	HZ	103	354	IP		1458	2.670	.810							1.0
BCI	HN	103	354	IS		1458	16.06	-.320							1.0
BCI	HZ	103	354	IAML		1458	28.32			31	0.6				
KBN	HZ	104	151	IP		1458	2.320	.280							1.0
KBN	HN	104	151	IS		1458	17.250	.560							1.0
KBN	HZ	104	151	IAML		1458	20.89			35	0.6				
PDG	HZ	134	325	IP		1458	5.82	-1.17							1.0
PDG	HN	134	325	IS		1458	25.770	.110							1.0
PDG	HZ	134	325	IAML		1458	28.32			37	0.7				
NEST	HZ	135	147	IP		1458	6.64	-.620							1.0
NEST	HN	135	147	IS		1458	25.75	-.390							1.0
SRN	HZ	174	185	IP		1458	14.64	1.35							0.9
SRN	HN	174	185	IS		1458	36.31	-.740							0.9
SRN	HZ	174	185	IAML		1459	8.24			26	4.9				

**December 13 2021 Hour: 22:12 42.5 Lat: 39.55N Lon: 20.47E D: 15.0F Ag: TIR Local**  
**Magnitudes: 1.7ML TIR Rms: 0.4 secs**  
**27 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	12	260	IP		2212	44.19	-.550							1.0
IGT	HN	12	260	IS		2212	46.59	-.010							1.0
IGT	HZ	12	260	IAML		2212	46.93			144	0.1				
SRN	HZ	54	313	IAML		2212	46.92			26	4.3				
SRN	HZ	54	313	IP		2212	52.280	.130							1.0
SRN	HN	54	313	IS		2213	0.160	.150							1.0
LSK	HZ	68	10	IAML		2212	47.50			15	2.7				
LSK	HZ	68	10	IP		2212	55.380	.820							1.0
LSK	HN	68	10	IS		2213	3.98	-.390							1.0
NEST	HZ	108	27	IAML		2212	45.59			21	2.6				

NEST HZ 108 27 IP 2213 1.990.370 1.0  
 NEST HN 108 27 IS 2213 16.63-.510 1.0

**December 13 2021 Hour: 22:57 59.9 Lat: 41.44N Lon: 20.20E D: 10.0F Ag: TIR Local**  
**Magnitudes: 1.2ML TIR Rms: 0.7 secs**

**4 km SW of Bulqize**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIR	HZ	30	250	IP		2258	4.82-	.700							1.0
TIR	HN	30	250	IS		2258	10.230.	.130							1.0
TIR	HZ	30	250	IAML		2258	11.82			8	0.4				
PHP	HZ	34	36	IP		2258	5.83-	.340							1.0
PHP	HN	34	36	IS		2258	11.340.	.050							1.0
PHP	HZ	34	36	IAML		2258	13.22			11	0.4				
PUK	HZ	72	339	IP		2258	12.50-	.150							1.0
PUK	HN	72	339	IS		2258	22.78-	.230							1.0
PUK	HZ	72	339	IAML		2258	25.75			4	1.2				
SDA	HZ	90	319	IP		2258	17.38	1.83							1.0
SDA	HN	90	319	IS		2258	27.67-	.590							1.0
SDA	HZ	90	319	IAML		2258	36.31			28	2.3				

**December 13 2021 Hour: 23:10 19.3 Lat: 41.41N Lon: 20.20E D: 23.1 Ag: TIR Local**  
**Magnitudes: 1.5ML TIR Rms: 0.2 secs**

**7 km S of Bulqize**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIR	HZ	29	256	IP		2310	25.64-	.120							1.0
TIR	HN	29	256	IS		2310	30.980.	.010							1.0
TIR	HZ	29	256	IAML		2310	34.55			15	0.5				
PHP	HZ	36	33	IP		2310	26.63-	.190							1.0
PHP	HN	36	33	IS		2310	32.84-	.030							1.0
PHP	HZ	36	33	IAML		2310	34.06			33	0.4				
PUK	HZ	75	340	IP		2310	33.270.	.450							1.0
PUK	HN	75	340	IS		2310	43.71-	.030							1.0
PUK	HZ	75	340	IAML		2310	48.24			8	0.4				
SDA	HZ	92	321	IP		2310	35.590.	.130							1.0
SDA	HN	92	321	IS		2310	48.29-	.220							1.0

**December 13 2021 Hour: 23:12 44.3 Lat: 41.48N Lon: 20.16E D: 3.8 Ag: TIR Local**  
**Magnitudes: 1.7ML TIR Rms: 0.7 secs**

**5 km W of Bulqize**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIR	HZ	28	240	IP		2312	49.07-	.380							1.0
TIR	HN	28	240	IS		2312	54.020.	.430							1.0
TIR	HZ	28	240	IAML		2313	1.27			32	1.7				
PHP	HZ	33	46	IP		2312	49.69-	.610							1.0
PHP	HN	33	46	IS		2312	55.230.	.110							1.0
PHP	HZ	33	46	IAML		2312	57.08			48	0.4				
PUK	HZ	67	341	IP		2312	55.63-	.620							1.0
PUK	HN	67	341	IS		2313	6.680.	.790							1.0
PUK	HZ	67	341	IAML		2313	11.07			16	0.3				
SDA	HZ	84	320	IP		2312	58.46-	.870							1.0
SDA	HN	84	320	IS		2313	11.07-	.400							1.0
SDA	HZ	84	320	IAML		2313	12.98			14	0.1				
BCI	HZ	99	356	IP		2313	3.64	1.59							1.0
BCI	HN	99	356	IS		2313	16.34-	.050							1.0
BCI	HZ	99	356	IAML		2313	22.59			12	0.9				

**December 14 2021 Hour: 0:15 42.2 Lat: 42.06N Lon: 19.21E D: 20.9 Ag: TIR Local**  
**Magnitudes: 1.6ML TIR Rms: 0.3 secs**

**31 km W of Shkoder**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SDA	HZ	24	92	IP		015	47.21-	.490							1.0
SDA	HN	24	92	IS		015	52.190.	.000							1.0
SDA	HZ	24	92	IAML		015	53.78			44	2.3				
PDG	HZ	42	6	IP		015	50.480.	.290							1.0

PDG	HN	42	6	IS	015	56.66	-.040										1.0
PDG	HZ	42	6	IAML	015	57.78			15	0.4							
PUK	HZ	57	91	IP	015	52.85	.200										1.0
PUK	HN	57	91	IS	016	1.56	.410										1.0
PUK	HZ	57	91	IAML	016	4.37			5	0.3							
BCI	HZ	79	64	IP	015	56.42	.210										1.0
BCI	HE	79	64	ES	016	7.19	-.400										1.0
BCI	HZ	79	64	IAML	016	10.17			20	2.8							
PHP	HZ	110	112	IP	016	1.07	-.280										1.0
PHP	HN	110	112	IS	016	17.00	.090										1.0

**December 14 2021 Hour: 1:42 41.9 Lat: 40.44N Lon: 20.01E D: 20.7 Ag: TIR Local**  
**Magnitudes: 1.8ML TIR Rms: 0.8 secs**  
**8 km NE of Memaliaj**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BERA	HZ	30	350	IP		142	48.15	-.050							1.0
BERA	HN	30	350	IS		142	53.54	.250							1.0
VLO	HZ	44	275	EP		142	48.80	-1.51							1.0
VLO	HN	44	275	IS		142	57.77	.670							1.0
LSK	HZ	59	123	IP		142	54.10	1.30							1.0
LSK	HN	59	123	IS		143	0.23	-1.39							1.0
LSK	HZ	59	123	IAML		143	4.06		17	2.6					
SRN	HZ	62	181	IP		142	53.03	-.140							1.0
SRN	HN	62	181	IS		143	2.82	.530							1.0
SRN	HZ	62	181	IAML		143	4.17		25	3.3					
KBN	HZ	69	72	IP		142	54.31	-.020							1.0
KBN	HN	69	72	IS		143	4.70	.310							1.0
KBN	HZ	69	72	IAML		143	6.15		6	0.4					
KEK	HZ	83	193	IP		142	55.54	-1.01							1.0
KEK	HN	83	193	IS		143	8.73	.330							1.0
KEK	HZ	83	193	IAML		143	26.56		39	1.7					
IGT	HZ	104	165	IP		143	0.81	.690							1.0
IGT	HN	104	165	IS		143	14.93	.060							1.0
IGT	HZ	104	165	IAML		143	36.82		21	3.0					

**December 14 2021 Hour: 9:49 0.2 Lat: 39.60N Lon: 20.42E D: 46.5 Ag: TIR Local**  
**Magnitudes: 1.7ML TIR Rms: 0.9 secs**  
**15 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	10	226	EP		949	9.50	1.54							1.0
IGT	HE	10	226	ES		949	13.37	-.860							1.0
IGT	HZ	10	226	IAML		949	14.86		59	0.1					
SRN	HE	48	311	ES		949	20.03	.450							1.0
SRN	HZ	48	311	IAML		949	25.81		10	0.3					
KEK	HN	55	284	ES		949	20.73	-.380							1.0
KEK	HZ	55	284	IAML		949	32.88		24	1.1					
LSK	HZ	63	14	EP		949	11.64	-1.24							1.0
LSK	HN	63	14	ES		949	23.64	.490							1.0
LSK	HZ	63	14	IAML		949	28.01		10	0.7					

**December 14 2021 Hour: 10:49 24.9 Lat: 39.53N Lon: 20.58E D: 15.0F Ag: TIR Local**  
**Magnitudes: 1.8ML TIR Rms: 0.6 secs**  
**39 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	22	270	EP		1049	28.96	.210							1.0
IGT	HN	22	270	ES		1049	31.20	-.670							1.0
IGT	HZ	22	270	IAML		1049	32.39		112	0.1					
SRN	HZ	63	308	EP		1049	36.01	-.160							1.0
SRN	HN	63	308	ES		1049	44.66	-.640							1.0
SRN	HZ	63	308	IAML		1049	51.56		9	0.9					
LSK	HZ	69	1	EP		1049	37.71	.590							1.0
LSK	HZ	69	1	IAML		1049	55.80		15	2.6					
KEK	HZ	70	287	EP		1049	37.34	-.110							1.0
KEK	HN	70	287	ES		1049	48.78	1.16							1.0

KEK HZ 70 287 IAML 1049 54.20 30 2.2  
 NEST HZ 106 22 EP 1049 43.37-.390 1.0

**December 14 2021 Hour: 18:26 13.4 Lat: 40.12N Lon: 19.86E D: 15.3 Ag: TIR Local**  
**Magnitudes: 1.5ML TIR Rms: 0.4 secs**  
**10 km E of Himare**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRN	HZ	29	157	EP		1826	19.790	.640							1.0
SRN	HN	29	157	ES		1826	23.73-	.090							1.0
SRN	HZ	29	157	IAML		1826	25.06		13	0.2					
KEK	HZ	46	187	EP		1826	21.12-	.680							1.0
KEK	HE	46	187	ES		1826	28.55-	.060							1.0
KEK	HZ	46	187	IAML		1826	30.93		29	0.8					
LSK	HZ	63	87	EP		1826	24.930	.290							1.0
LSK	HN	63	87	ES		1826	33.37-	.390							1.0
LSK	HZ	63	87	IAML		1826	37.76		6	0.9					
IGT	HZ	77	148	EP		1826	26.57-	.350							1.0
IGT	HN	77	148	ES		1826	38.270	.400							1.0
IGT	HZ	77	148	IAML		1826	45.96		15	1.3					
NEST	HZ	106	72	EP		1826	32.450	.620							1.0
NEST	HN	106	72	ES		1826	46.39-	.380							1.0

**December 14 2021 Hour: 18:56 32.4 Lat: 41.50N Lon: 19.95E D: 20.2 Ag: TIR Local**  
**Magnitudes: 1.6ML TIR Rms: 0.4 secs**  
**8 km E of Kruje**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIR	HZ	18	203	EP		1856	36.87-	.250							1.0
TIR	HE	18	203	ES		1856	41.190	.240							1.0
TIR	HZ	18	203	IAML		1856	44.79		21	0.7					
PHP	HZ	46	63	EP		1856	41.250	.130							1.0
PHP	HN	46	63	ES		1856	47.88-	.310							1.0
PHP	HZ	46	63	IAML		1856	49.73		9	0.1					
PUK	HZ	61	356	EP		1856	43.870	.400							1.0
PUK	HN	61	356	ES		1856	52.840	.400							1.0
PUK	HZ	61	356	IAML		1856	56.93		15	0.2					
SDA	HZ	72	329	EP		1856	45.14-	.070							1.0
SDA	HN	72	329	ES		1856	55.40-	.190							1.0
BCI	HZ	97	6	EP		1856	48.55-	.840							1.0
BCI	HN	97	6	ES		1857	3.590	.430							1.0
BCI	HZ	97	6	IAML		1857	5.84		10	0.8					
NEST	HZ	152	142	EP		1856	57.69-	.500							1.0
NEST	HN	152	142	ES		1857	19.670	.580							1.0
NEST	HZ	152	142	IAML		1857	24.26		11	2.0					

**December 14 2021 Hour: 20:42 49.0 Lat: 40.70N Lon: 20.65E D: 11.2 Ag: TIR Local**  
**Magnitudes: 2.2ML TIR Rms: 0.8 secs**  
**4 km W of Maliq**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KBN	HZ	15	125	EP		2042	52.770	.390							1.0
KBN	HN	15	125	ES		2042	56.100	.970							1.0
KBN	HZ	15	125	IAML		2042	57.35		266	0.2					
NEST	HZ	47	133	EP		2042	57.590	.050							1.0
NEST	HE	47	133	ES		2043	4.44-	.020							1.0
NEST	HZ	47	133	IAML		2043	6.97		126	0.3					
LSK	HZ	61	184	EP		2042	59.37-	.600							1.0
LSK	HN	61	184	ES		2043	8.48-	.380							1.0
LSK	HZ	61	184	IAML		2043	11.15		63	1.0					
SRN	HZ	106	211	EP		2043	6.23-	1.19							1.0
SRN	HN	106	211	ES		2043	22.500	.160							1.0
SRN	HZ	106	211	IAML		2043	30.07		21	0.8					
PHP	HZ	111	351	EP		2043	7.39-	.790							1.0
PHP	HN	111	351	ES		2043	22.82-	.900							1.0
PHP	HZ	111	351	IAML		2043	26.35		15	0.8					
KEK	HZ	131	214	EP		2043	12.94	1.36							1.0

KEK	HE	131	214	ES	2043	29.950	.070										1.0
KEK	HZ	131	214	IAML	2043	36.50		41	1.0								
IGT	HZ	132	192	EP	2043	12.000	.220										1.0
IGT	HN	132	192	ES	2043	30.560	.320										1.0
IGT	HZ	132	192	IAML	2043	35.82		17	0.4								
PUK	HZ	162	337	EP	2043	16.05-	.670										0.9
PUK	HN	162	337	ES	2043	38.91-	.280										0.9
PUK	HZ	162	337	IAML	2043	43.06		9	0.4								
THL	HZ	172	137	EP	2043	17.36-	.870										0.9
THL	HE	172	137	ES	2043	41.04-	.880										0.9
SDA	HZ	178	328	EP	2043	18.46-	.550										0.9
SDA	HN	178	328	ES	2043	43.450	.130										0.9
BCI	HZ	191	346	EP	2043	22.76	1.98										0.9
BCI	HN	191	346	ES	2043	48.23	1.71										0.9
BCI	HZ	191	346	IAML	2043	53.55		11	0.8								

**December 14 2021 Hour: 21: 1 54.3 Lat: 41.51N Lon: 19.62E D: 8.0 Ag: TIR Local**  
**Magnitudes: 1.5ML TIR Rms: 0.5 secs**

**13 km W of Kruje**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SDA	HZ	61	351	EP		21	2	4.65-	.520						1.0
SDA	HN	61	351	ES		21	2	14.270	.270						1.0
PUK	HZ	63	21	EP		21	2	5.34-	.330						1.0
PUK	HE	63	21	ES		21	2	14.85-	.040						1.0
PUK	HZ	63	21	IAML		21	2	17.92		12	0.2				
PHP	HZ	71	74	EP		21	2	6.97-	.120						1.0
PHP	HN	71	74	ES		21	2	18.160	.690						1.0
PHP	HZ	71	74	IAML		21	2	19.81		5	0.1				
BCI	HZ	102	21	EP		21	2	11.01-	1.19						1.0
BCI	HE	102	21	ES		21	2	26.49-	.220						1.0
BCI	HZ	102	21	IAML		21	2	35.54		18	2.2				
PDG	HZ	106	344	EP		21	2	13.670	.810						1.0
PDG	HN	106	344	ES		21	2	28.390	.480						1.0
PDG	HZ	106	344	IAML		21	2	30.71		5	0.2				
NEST	HZ	171	135	EP		21	2	24.190	.380						0.9
NEST	HE	171	135	ES		21	2	47.55-	.180						0.9
NEST	HZ	171	135	IAML		21	2	53.81		18	2.1				

**December 15 2021 Hour: 1: 0 55.8 Lat: 40.61N Lon: 20.66E D: 10.0F Ag: TIR Local**  
**Magnitudes: 1.3ML TIR Rms: 0.8 secs**

**11 km SW of Maliq**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KBN	HZ	11	81	EP		1	0	57.94-	.580						1.0
KBN	HE	11	81	ES		1	1	1.260	.500						1.0
KBN	HZ	11	81	IAML		1	1	4.21		35	0.9				
NEST	HZ	39	123	EP		1	1	2.28-	.790						1.0
NEST	HN	39	123	ES		1	1	9.440	.440						1.0
NEST	HZ	39	123	IAML		1	1	12.61		16	0.3				
LSK	HZ	51	186	EP		1	1	4.24-	.850						1.0
LSK	HN	51	186	ES		1	1	12.17-	.470						1.0
LSK	HZ	51	186	IAML		1	1	14.57		10	0.5				
SRN	HZ	98	215	EP		1	1	12.41-	.500						1.0
SRN	HE	98	215	ES		1	1	26.920	.120						1.0
SRN	HZ	98	215	IAML		1	1	33.35		22	2.5				
KEK	HZ	123	217	EP		1	1	17.380	.270						1.0
IGT	HZ	123	193	EP		1	1	18.89	1.92						1.0
IGT	HN	123	193	ES		1	1	34.180	.020						1.0



**December 15 2021 Hour: 1:39 8.4 Lat: 39.55N Lon: 20.50E D: 5.3 Ag: TIR Local**  
**Magnitudes: 1.8ML TIR Rms: 0.3 secs**  
**29 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	15	262	EP		139	11.14	-.080							1.0
IGT	HN	15	262	ES		139	13.35	-.120							1.0
IGT	HZ	15	262	IAML		139	14.03			323	0.1				
SRN	HZ	56	311	EP		139	17.98	-.540							1.0
SRN	HN	56	311	ES		139	27.42	.740							1.0
SRN	HZ	56	311	IAML		139	28.98			12	0.3				
KEK	HZ	63	287	EP		139	19.40	-.290							1.0
KEK	HE	63	287	ES		139	28.98	.170							1.0
KEK	HZ	63	287	IAML		139	33.81			28	0.4				
LSK	HZ	67	7	EP		139	20.35	-.100							1.0
LSK	HN	67	7	ES		139	30.27	.090							1.0
LSK	HZ	67	7	IAML		139	37.95			13	0.7				
NEST	HZ	107	26	EP		139	27.42	.060							1.0
NEST	HE	107	26	ES		139	42.23	-.460							1.0
NEST	HZ	107	26	IAML		139	49.56			10	0.7				
THL	HZ	130	89	EP		139	31.59	.370							1.0
THL	HN	130	89	ES		139	49.87	.200							1.0

**December 15 2021 Hour: 13:51 51.5 Lat: 39.28N Lon: 20.60E D: 7.6 Ag: TIR Local**  
**Magnitudes: 1.8ML TIR Rms: 0.7 secs**  
**55 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	36	320	EP		1351	58.10	.020							1.0
IGT	HN	36	320	ES		1352	2.79	-.610							1.0
IGT	HZ	36	320	IAML		1352	3.08			72	0.1				
KEK	HZ	84	305	EP		1352	6.59	.180							1.0
KEK	HE	84	305	ES		1352	18.42	-.060							1.0
KEK	HZ	84	305	IAML		1352	23.65			17	0.3				
SRN	HZ	84	322	EP		1352	6.28	-.120							1.0
SRN	HN	84	322	ES		1352	17.91	-.560							1.0
SRN	HZ	84	322	IAML		1352	19.48			6	0.3				
LSK	HZ	96	360	EP		1352	9.50	.990							1.0
LSK	HN	96	360	ES		1352	22.20	-.080							1.0
THL	HZ	126	75	EP		1352	13.00	-.370							1.0
THL	HE	126	75	ES		1352	30.23	-.860							1.0
NEST	HZ	131	17	EP		1352	15.87	1.50							1.0

**December 15 2021 Hour: 21:41 28.4 Lat: 40.03N Lon: 20.67E D: 10.0F Ag: TIR Local**  
**Magnitudes: 1.0ML TIR Rms: 0.2 secs**  
**34 km E of Libohove**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LSK	HZ	15	336	EP		2141	31.21	.170							1.0
LSK	HN	15	336	ES		2141	33.01	-.200							1.0
LSK	HZ	15	336	IAML		2141	33.35			23	0.6				
NEST	HZ	54	37	EP		2141	37.87	-.090							1.0
NEST	HE	54	37	ES		2141	45.80	.060							1.0
NEST	HZ	54	37	IAML		2141	50.42			5					
SRN	HZ	60	254	EP		2141	39.37	.390							1.0
SRN	HN	60	254	ES		2141	47.49	-.100							1.0
IGT	HZ	62	208	EP		2141	39.20	-.230							1.0

**December 16 2021 Hour: 3:1 37.3 Lat: 39.42N Lon: 20.52E D: 11.7 Ag: TIR Local**  
**Magnitudes: 1.9ML TIR Rms: 0.8 secs**  
**39 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	21	307	EP		3 1	41.42	-.100							1.0
IGT	HE	21	307	ES		3 1	45.04	.080							1.0
IGT	HZ	21	307	IAML		3 1	46.24			200	0.2				
SRN	HZ	68	319	EP		3 1	48.76	-.550							1.0

SRN	HE	68	319	ES	3	1	58.15	-.900									1.0
SRN	HZ	68	319	IAML	3	2	5.32		16	1.0							
KEK	HZ	70	298	EP	3	1	49.37	-.350									1.0
KEK	HE	70	298	ES	3	2	0.740	.950									1.0
KEK	HZ	70	298	IAML	3	2	5.40		28	0.8							
LSK	HZ	81	4	EP	3	1	51.18	-.380									1.0
LSK	HN	81	4	ES	3	2	3.180	.060									1.0
LSK	HZ	81	4	IAML	3	2	5.89		21	0.7							
NEST	HZ	119	22	EP	3	1	57.22	-.660									1.0
NEST	HN	119	22	ES	3	2	14.02	-.550									1.0
NEST	HZ	119	22	IAML	3	2	20.15		16	0.6							
THL	HZ	129	82	EP	3	2	1.26	1.75									1.0
THL	HN	129	82	ES	3	2	16.54	-.970									1.0
KBN	HZ	135	9	EP	3	2	0.790	.200									1.0
KBN	HE	135	9	ES	3	2	20.98	1.52									1.0
KBN	HZ	135	9	IAML	3	2	25.75		6	0.4							

**December 16 2021 Hour: 3:12 17.8 Lat: 38.70N Lon: 20.60E D: 10.0F Ag: TIR Local**  
**Magnitudes: 2.2ML TIR Rms: 0.8 secs**

**113 km S of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	95	346	EP		312	34.07	-.360							1.0
IGT	HE	95	346	ES		312	47.65	-.250							1.0
IGT	HZ	95	346	IAML		312	52.56		38	2.6					
KEK	HZ	132	329	EP		312	40.700	.160							1.0
KEK	HE	132	329	ES		312	58.970	.000							1.0
KEK	HZ	132	329	IAML		313	5.36		20	0.1					
SRN	HZ	141	339	EP		312	42.180	.180							1.0
SRN	HN	141	339	ES		313	1.37	-.230							1.0
SRN	HZ	141	339	IAML		313	6.48		14	0.8					
THL	HZ	156	52	EP		312	43.73	-.790							1.0
THL	HE	156	52	ES		313	5.76	-.400							1.0
LSK	HZ	161	0	EP		312	45.03	-.400							0.9
LSK	HN	161	0	ES		313	7.840	.020							0.9
LSK	HZ	161	0	IAML		313	17.97		20	3.4					
NEST	HZ	194	11	EP		312	50.15	-.030							0.9
NEST	HN	194	11	ES		313	18.64	2.23							0.9
NEST	HZ	194	11	IAML		313	24.11		6	0.6					
ITM	HZ	205	145	EP		312	50.54	-1.01							0.9
ITM	HE	205	145	ES		313	19.97	1.09							0.9

**December 16 2021 Hour: 4:55 18.9 Lat: 42.44N Lon: 20.41E D: 23.5 Ag: TIR Local**  
**Magnitudes: 1.4ML TIR Rms: 0.8 secs**

**27 km N of Krume**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BCI	HZ	29	255	EP		455	25.770	.350							1.0
BCI	HN	29	255	ES		455	30.09	-.610							1.0
BCI	HZ	29	255	IAML		455	32.32		73	0.3					
PUK	HZ	61	224	EP		455	31.29	1.07							1.0
PUK	HN	61	224	ES		455	39.33	-.060							1.0
PUK	HZ	61	224	IAML		455	44.27		6	0.7					
PHP	HZ	84	178	EP		455	32.12	-1.61							1.0
PHP	HN	84	178	ES		455	46.350	.610							1.0
PHP	HZ	84	178	IAML		455	48.39		4	0.3					
PDG	HZ	95	270	EP		455	36.090	.680							1.0
PDG	HN	95	270	ES		455	48.37	-.420							1.0
PDG	HZ	95	270	IAML		455	52.72		6	0.1					

**December 16 2021 Hour: 7:17 25.1 Lat: 42.66N Lon: 19.33E D: 25.8 Ag: TIR Local**  
**Magnitudes: 1.6ML TIR Rms: 0.3 secs**  
**50 km N of Koplík**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PDG	HZ	26	192	EP		717	31.94	0.560							1.0
PDG	HN	26	192	ES		717	36.17	-.260							1.0
PDG	HZ	26	192	IAML		717	36.88			63	0.2				
SDA	HZ	69	168	IAML		717	51.13			11	0.4				
BCI	HN	69	118	ES		717	47.68	-.150							1.0
SDA	HZ	69	168	EP		717	37.15	-.490							1.0
BCI	HZ	69	118	EP		717	37.62	-.060							1.0
BCI	HZ	69	118	IAML		717	51.51			15	0.3				
SDA	HN	69	168	ES		717	47.68	-.070							1.0
PUK	HZ	83	145	EP		717	39.89	0.030							1.0
PUK	HN	83	145	ES		717	52.21	0.430							1.0
PUK	HZ	83	145	IAML		717	54.35			5	0.3				

**December 16 2021 Hour: 16:24 3.4 Lat: 39.04N Lon: 21.41E D: 10.0F Ag: TIR Local**  
**Magnitudes: 1.9ML TIR Rms: 0.4 secs**  
**125 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
THL	HZ	78	42	EP		1624	17.15	-.030							1.0
THL	HE	78	42	ES		1624	28.01	-.360							1.0
IGT	HZ	108	301	EP		1624	22.60	0.480							1.0
IGT	HE	108	301	ES		1624	36.48	-.840							1.0
IGT	HZ	108	301	IAML		1624	44.06			11	1.3				
SRN	HN	153	308	ES		1624	51.10	0.190							1.0
NEST	HZ	156	349	EP		1624	30.40	0.240							1.0
NEST	HN	156	349	ES		1624	52.26	0.390							1.0
NEST	HZ	156	349	IAML		1624	58.23			10	2.1				

**December 16 2021 Hour: 23:27 14.6 Lat: 38.93N Lon: 21.48E D: 12.0F Ag: TIR Local**  
**Magnitudes: 2.2ML TIR Rms: 0.8 secs**  
**137 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
THL	HZ	85	33	EP		2327	29.09	-.280							1.0
THL	HN	85	33	ES		2327	41.94	0.580							1.0
IGT	HZ	120	305	EP		2327	33.67	-1.57							1.0
IGT	HN	120	305	ES		2327	52.30	0.310							1.0
IGT	HZ	120	305	IAML		2327	54.30			10	0.2				
LSK	HZ	155	331	EP		2327	40.75	-.490							1.0
LSK	HN	155	331	ES		2328	3.62	0.770							1.0
LSK	HZ	155	331	IAML		2328	10.18			15	1.2				
SRN	HZ	166	310	EP		2327	43.10	0.230							0.9
SRN	HN	166	310	ES		2328	6.91	1.11							0.9
SRN	HZ	166	310	IAML		2328	15.77			19	0.7				
KEK	HZ	169	302	EP		2327	42.96	-.450							0.9
KEK	HZ	169	302	IAML		2328	9.34			39					
NEST	HZ	169	348	EP		2327	43.65	0.130							0.9
NEST	HN	169	348	ES		2328	5.80	-1.18							0.9
NEST	HZ	169	348	IAML		2328	16.90			11	0.6				
KEK	HN	169	302	ES		2328	6.76	-.020							0.9
ITM	HZ	198	168	EP		2327	48.08	0.960							0.9

**December 17 2021 Hour: 1:53 47.6 Lat: 42.27N Lon: 20.28E D: 24.8 Ag: TIR Local**  
**Magnitudes: 0.7ML TIR Rms: 0.4 secs**  
**11 km NW of Krume**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BCI	HZ	21	302	EP		153	53.72	0.450							1.0
BCI	HE	21	302	ES		153	57.44	-.410							1.0
BCI	HZ	21	302	IAML		153	58.28			21	0.1				
PUK	HZ	41	233	EP		153	55.69	-.190							1.0
PUK	HN	41	233	ES		154	3.09	0.520							1.0

PUK	HZ	41	233	IAML	154	4.33			3	0.1					
PHP	HZ	66	169	EP	153	59.63-	.030								1.0
PHP	HN	66	169	ES	154	9.15-	.270								1.0
PHP	HZ	66	169	IAML	154	10.67			1.00	0.1					
SDA	HZ	69	250	EP	154	0.870.	.740								1.0
SDA	HN	69	250	ES	154	9.74-	.520								1.0
PDG	HZ	86	283	EP	154	2.54-	.290								1.0

**December 17 2021 Hour: 2:57 40.5 Lat: 39.35N Lon: 20.46E D: 29.3 Ag: TIR Local**  
**Magnitudes: 1.6ML TIR Rms: 0.9 secs**  
**42 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	23	332	EP		257	47.190.	.340							1.0
IGT	HZ	23	332	IAML		257	50.06			350	0.2				
KEK	HZ	70	306	EP		257	51.75-	1.48							1.0
KEK	HN	70	306	ES		258	5.09	1.51							1.0
KEK	HZ	70	306	IAML		258	11.53			31	0.1				
SRN	HZ	71	326	EP		257	53.40-	.000							1.0
SRN	HN	71	326	ES		258	2.92-	.970							1.0
SRN	HZ	71	326	IAML		258	5.71			8	0.6				
LSK	HZ	90	8	EP		257	56.670.	.280							1.0
LSK	HZ	90	8	IAML		258	9.81			8	0.6				
NEST	HZ	129	23	EP		258	2.820.	.350							1.0
NEST	HZ	129	23	IAML		258	25.69			5	0.4				

**December 17 2021 Hour: 7:49 13.5 Lat: 39.53N Lon: 20.49E D: 2.5 Ag: TIR Local**  
**Magnitudes: 1.9ML TIR Rms: 0.5 secs**  
**26 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	13	272	IP		749	15.91-	.050							1.0
IGT	HN	13	272	IS		749	18.250.	.320							1.0
IGT	HZ	13	272	IAML		749	18.79			270	0.2				
SRN	HZ	57	313	IP		749	23.870.	.110							1.0
SRN	HN	57	313	IS		749	31.31-	.740							1.0
SRN	HZ	57	313	IAML		749	40.78			24	1.2				
KEK	HZ	63	289	IP		749	24.37-	.350							1.0
KEK	HN	63	289	IS		749	34.370.	.580							1.0
KEK	HZ	63	289	IAML		749	36.17			54	2.1				
NEST	HZ	110	26	IP		749	32.61-	.510							1.0
NEST	HN	110	26	IS		749	49.620.	.640							1.0
NEST	HZ	110	26	IAML		749	54.64			8	0.5				

**December 17 2021 Hour: 8:54 4.7 Lat: 39.14N Lon: 20.78E D: 15.0 Ag: TIR Local**  
**Magnitudes: 2.2ML TIR Rms: 0.9 secs**  
**73 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	58	319	EP		854	14.53-	.520							1.0
IGT	HN	58	319	ES		854	21.79-	1.67							1.0
IGT	HZ	58	319	IAML		854	22.37			77	0.2				
KEK	HZ	106	307	IP		854	24.000.	.450							1.0
KEK	HN	106	307	IS		854	39.590.	.750							1.0
KEK	HZ	106	307	IAML		854	55.80			47	0.8				
LSK	HZ	113	352	EP		854	24.28-	.590							1.0
LSK	HN	113	352	IS		854	42.180.	.940							1.0
LSK	HZ	113	352	IAML		854	51.34			25	0.7				
THL	HN	116	66	IS		854	41.70-	.570							1.0
NEST	HZ	143	9	IP		854	31.65	1.62							1.0
NEST	HN	143	9	IS		854	50.28-	.300							1.0
NEST	HZ	143	9	IAML		854	58.53			7	0.7				

**December 17 2021 Hour: 11:38 57.7 Lat: 39.71N Lon: 20.78E D: 5.1 Ag: TIR Local**  
**Magnitudes: 2.5ML TIR Rms: 0.7 secs**  
**51 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	43	243	IP		1139	5.14-	.350							1.0
IGT	HN	43	243	IS		1139	12.470	.660							1.0
IGT	HZ	43	243	IAML		1139	15.26			331	0.6				
LSK	HZ	52	342	IP		1139	6.990	.030							1.0
LSK	HN	52	342	IS		1139	15.210	.740							1.0
LSK	HZ	52	342	IAML		1139	17.78			123	0.6				
SRN	HZ	70	286	IP		1139	9.47-	.710							1.0
SRN	HN	70	286	IS		1139	18.82-	1.47							1.0
SRN	HZ	70	286	IAML		1139	21.67			57	0.3				
NEST	HZ	82	16	IP		1139	12.27-	.050							1.0
NEST	HN	82	16	IS		1139	24.200	.030							1.0
NEST	HZ	82	16	IAML		1139	30.77			50	0.4				
KEK	HZ	84	271	IP		1139	12.830	.030							1.0
KEK	HN	84	271	IS		1139	26.27	1.23							1.0
KEK	HZ	84	271	IAML		1139	29.42			123	0.5				
THL	HZ	107	98	IP		1139	16.00-	.600							1.0
THL	HN	107	98	IS		1139	32.360	.450							1.0
THL	HZ	107	98	IAML		1139	40.83			72	0.3				

**December 17 2021 Hour: 11:40 17.0 Lat: 39.71N Lon: 20.76E D: 20.2 Ag: TIR Local**  
**Magnitudes: 3.0ML TIR Rms: 0.5 secs**  
**50 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	42	242	IP		1140	24.83-	.230							1.0
IGT	HN	42	242	IS		1140	31.58-	.010							1.0
IGT	HZ	42	242	IAML		1140	33.60			998	0.5				
LSK	HZ	51	344	IP		1140	26.16-	.380							1.0
LSK	HN	51	344	IS		1140	34.840	.580							1.0
LSK	HZ	51	344	IAML		1140	35.80			437	0.7				
SRN	HZ	68	286	IP		1140	28.72-	.500							1.0
SRN	HN	68	286	IS		1140	38.16-	.960							1.0
SRN	HZ	68	286	IAML		1140	39.11			151	0.2				
NEST	HZ	82	17	IP		1140	31.730	.140							1.0
NEST	HN	82	17	IS		1140	43.28-	.130							1.0
NEST	HZ	82	17	IAML		1140	49.15			137	0.6				
KEK	HZ	83	271	IP		1140	31.700	.050							1.0
KEK	HN	83	271	IS		1140	44.79	1.29							1.0
KEK	HZ	83	271	IAML		1140	46.67			442	0.4				
THL	HZ	109	98	IP		1140	35.960	.060							1.0
THL	HN	109	98	IS		1140	51.310	.100							1.0

**December 17 2021 Hour: 20:26 40.0 Lat: 40.32N Lon: 20.59E D: 10.6 Ag: TIR Local**  
**Magnitudes: 1.5ML TIR Rms: 0.1 secs**  
**11 km W of Erseke**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LSK	HZ	19	178	EP		2026	43.82-	.200							1.0
LSK	HN	19	178	ES		2026	47.410	.120							1.0
LSK	HZ	19	178	IAML		2026	49.73			50	0.4				
KBN	HZ	37	27	EP		2026	46.89-	.060							1.0
KBN	HE	37	27	ES		2026	52.700	.110							1.0
KBN	HZ	37	27	IAML		2026	55.83			9	0.5				
NEST	HZ	40	75	EP		2026	47.43-	.060							1.0
NEST	HE	40	75	ES		2026	53.660	.100							1.0
NEST	HZ	40	75	IAML		2026	54.44			17	0.2				
SRN	HZ	70	226	EP		2026	52.24-	.210							1.0
SRN	HE	70	226	ES		2027	2.810	.270							1.0
SRN	HZ	70	226	IAML		2027	4.10			23	0.5				
IGT	HZ	91	194	EP		2026	55.78-	.060							1.0
IGT	HE	91	194	ES		2027	8.690	.010							1.0

IGT HZ 91 194 IAML 2027 11.92 8 0.5

**December 17 2021 Hour: 21: 7 13.0 Lat: 39.78N Lon: 20.70E D: 32.7 Ag: TIR Local**  
**Magnitudes: 1.9ML TIR Rms: 0.4 secs**

**46 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LSK	HZ	42	348	EP		21	7	21.13-.920							1.0
LSK	HN	42	348	ES		21	7	29.810.440							1.0
LSK	HZ	42	348	IAML		21	7	33.42		22	0.4				
IGT	HZ	42	229	EP		21	7	21.98-.040							1.0
IGT	HN	42	229	ES		21	7	29.350.040							1.0
IGT	HZ	42	229	IAML		21	7	30.98		33	0.2				
SRN	HZ	61	281	EP		21	7	24.850.200							1.0
SRN	HN	61	281	ES		21	7	33.93-.130							1.0
SRN	HZ	61	281	IAML		21	7	35.36		26	0.2				
NEST	HZ	76	23	EP		21	7	26.87-.100							1.0
NEST	HE	76	23	ES		21	7	38.400.130							1.0
NEST	HZ	76	23	IAML		21	7	54.88		12	1.6				
KEK	HZ	78	265	EP		21	7	27.900.730							1.0
KEK	HN	78	265	ES		21	7	38.28-.350							1.0
KEK	HZ	78	265	IAML		21	7	39.63		37	0.5				

**December 17 2021 Hour: 21:36 37.4 Lat: 39.54N Lon: 20.54E D: 3.8 Ag: TIR Local**  
**Magnitudes: 1.9ML TIR Rms: 0.2 secs**

**33 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	18	268	EP		2136		40.960.300							1.0
IGT	HE	18	268	ES		2136		43.13-.200							1.0
IGT	HZ	18	268	IAML		2136		43.84		470	0.1				
SRN	HZ	60	309	EP		2136		47.72-.350							1.0
SRN	HE	60	309	ES		2136		56.55-.200							1.0
SRN	HZ	60	309	IAML		2136		57.84		17	0.6				
KEK	HZ	67	287	EP		2136		49.340.060							1.0
KEK	HE	67	287	ES		2136		59.270.330							1.0
KEK	HZ	67	287	IAML		2137		3.75		45	0.6				
LSK	HZ	68	4	EP		2136		49.660.140							1.0
LSK	HN	68	4	ES		2136		59.440.070							1.0
NEST	HZ	106	24	EP		2136		55.99-.340							1.0
NEST	HE	106	24	ES		2137		11.880.190							1.0
NEST	HZ	106	24	IAML		2137		27.38		6	0.7				

**December 18 2021 Hour: 0:18 55.2 Lat: 39.08N Lon: 20.51E D: 25.8 Ag: TIR Local**  
**Magnitudes: 2.1ML TIR Rms: 0.7 secs**

**62 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	53	343	EP		019		5.11-.090							1.0
IGT	HN	53	343	ES		019		12.09-1.20							1.0
IGT	HZ	53	343	IAML		019		14.22		29	0.6				
KEK	HZ	93	319	EP		019		12.460.920							1.0
KEK	HZ	93	319	IAML		019		38.88		60	1.5				
SRN	HZ	99	334	EP		019		13.090.670							1.0
SRN	HE	99	334	ES		019		26.16-.220							1.0
SRN	HZ	99	334	IAML		019		44.97		25	1.9				
LSK	HZ	119	4	EP		019		15.14-.490							1.0
LSK	HN	119	4	ES		019		33.56 1.38							1.0
THL	HZ	140	67	EP		019		18.69-.190							1.0
THL	HN	140	67	ES		019		38.350.290							1.0
NEST	HZ	155	17	EP		019		19.91-.990							1.0
NEST	HN	155	17	ES		019		41.57-.150							1.0

**December 18 2021 Hour: 1:7 47.1 Lat: 40.46N Lon: 20.75E D: 9.7 Ag: TIR Local**  
**Magnitudes: 1.2ML TIR Rms: 0.2 secs**  
**11 km N of Erseke**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KBN	HZ	19	8	EP		1	7	51.280	.280						1.0
KBN	HN	19	8	ES		1	7	53.98	-.150						1.0
KBN	HZ	19	8	IAML		1	7	55.71		24	0.3				
NEST	HZ	25	100	EP		1	7	52.170	.120						1.0
NEST	HN	25	100	ES		1	7	55.93	-.100						1.0
NEST	HZ	25	100	IAML		1	7	56.57		30	0.1				
LSK	HZ	36	201	EP		1	7	53.67	-.240						1.0
LSK	HN	36	201	ES		1	7	59.520	.130						1.0
LSK	HZ	36	201	IAML		1	8	1.72		10	0.9				
BERA	HN	74	292	EP		1	8	0.14	-.050						1.0

**December 18 2021 Hour: 2:59 57.2 Lat: 39.65N Lon: 20.40E D: 15.2 Ag: TIR Local**  
**Magnitudes: 1.9ML TIR Rms: 0.1 secs**  
**18 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	15	204	EP		3	0	1.000	.070						1.0
IGT	HN	15	204	ES		3	0	3.91	-.040						1.0
IGT	HZ	15	204	IAML		3	0	4.88		51	0.2				
SRN	HZ	43	306	EP		3	0	5.07	-.000						1.0
SRN	HN	43	306	ES		3	0	11.590	.130						1.0
KEK	HZ	52	278	EP		3	0	6.50	-.150						1.0
KEK	HN	52	278	ES		3	0	14.28	-.040						1.0
KEK	HZ	52	278	IAML		3	0	16.34		44	1.2				
LSK	HZ	58	17	EP		3	0	7.830	.210						1.0
LSK	HN	58	17	ES		3	0	15.90	-.170						1.0
LSK	HZ	58	17	IAML		3	0	16.72		33	2.0				

**December 18 2021 Hour: 4:22 29.0 Lat: 40.67N Lon: 19.73E D: 11.7 Ag: TIR Local**  
**Magnitudes: 2.3ML TIR Rms: 0.5 secs**  
**6 km N of Ballsh**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BPA1	HN	9	316	EP		422	31.22	-.320							1.0
BPA2	HZ	12	307	EP		422	31.78	-.090							1.0
BPA2	HE	12	307	ES		422	34.410	.180							1.0
BERA	HN	19	78	EP		422	32.84	-.120							1.0
BERA	HE	19	78	ES		422	36.230	.030							1.0
VLO	HZ	30	222	EP		422	34.43	-.190							1.0
VLO	HN	30	222	ES		422	39.570	.370							1.0
VLO	HZ	30	222	IAML		422	42.67		1003	0.3					
TIR	HZ	76	9	EP		422	42.30	-.110							1.0
TIR	HE	76	9	ES		422	53.880	.580							1.0
TIR	HZ	76	9	IAML		422	57.30		21	1.3					
KBN	HE	90	93	ES		422	57.800	.380							1.0
SRN	HZ	91	165	EP		422	44.56	-.200							1.0
SRN	HE	91	165	ES		422	58.020	.470							1.0
SRN	HZ	91	165	IAML		423	1.76		41	0.4					
LSK	HZ	94	128	EP		422	45.07	-.280							1.0
LSK	HZ	94	128	IAML		423	6.38		52	0.4					
KEK	HZ	106	177	EP		422	47.880	.490							1.0
KEK	HN	106	177	ES		423	2.400	.090							1.0
KEK	HZ	106	177	IAML		423	5.36		58	0.5					
NEST	HZ	115	104	EP		422	48.33	-.650							1.0
NEST	HE	115	104	ES		423	5.540	.350							1.0
NEST	HZ	115	104	IAML		423	9.83		20	0.5					
PHP	HZ	128	28	EP		422	51.660	.650							1.0
PHP	HZ	128	28	IAML		423	11.85		26	0.9					
IGT	HZ	136	158	EP		422	52.920	.530							1.0
IGT	HN	136	158	ES		423	10.18	-1.19							1.0
IGT	HZ	136	158	IAML		423	15.59		25	0.3					

PUK	HZ	153	5	EP	422	54.70-	.570										1.0
PUK	HE	153	5	ES	423	16.07-	.520										1.0
PUK	HZ	153	5	IAML	423	19.69				14	0.7						

**December 18 2021 Hour: 5:21 48.7 Lat: 39.87N Lon: 20.22E D: 31.2 Ag: TIR Local**  
**Magnitudes: 2.3ML TIR Rms: 0.4 secs**  
**13 km SE of Delvine**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRN	HZ	19	272	EP		521	55.210	.390							1.0
SRN	HN	19	272	ES		522	0.230	.450							1.0
SRN	HZ	19	272	IAML		522	1.70			161	0.3				
IGT	HZ	39	165	EP		521	57.280	.120							1.0
IGT	HE	39	165	ES		522	3.84-	.170							1.0
IGT	HZ	39	165	IAML		522	3.98			95	0.2				
KEK	HZ	40	244	EP		521	57.510	.230							1.0
KEK	HE	40	244	ES		522	3.62-	.600							1.0
KEK	HZ	40	244	IAML		522	6.92			144	0.2				
LSK	HZ	45	47	EP		521	57.70-	.290							1.0
LSK	HN	45	47	ES		522	5.12-	.390							1.0
LSK	HZ	45	47	IAML		522	10.31			84	0.5				
NEST	HZ	93	49	EP		522	5.930	.770							1.0
BERA	HN	95	346	EP		522	4.76-	.610							1.0
BERA	HE	95	346	ES		522	18.980	.110							1.0

**December 18 2021 Hour: 7:39 24.0 Lat: 39.56N Lon: 20.49E D: 5.4 Ag: TIR Local**  
**Magnitudes: 2.1ML TIR Rms: 0.2 secs**  
**28 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	14	259	EP		739	26.52-	.060							1.0
IGT	HE	14	259	ES		739	28.720	.010							1.0
IGT	HZ	14	259	IAML		739	29.35			1054	0.2				
SRN	HZ	55	311	EP		739	33.55-	.300							1.0
SRN	HE	55	311	ES		739	42.330	.460							1.0
SRN	HZ	55	311	IAML		739	43.35			37	0.7				
KEK	HZ	62	287	EP		739	34.94-	.080							1.0
KEK	HE	62	287	ES		739	44.000	.030							1.0
KEK	HZ	62	287	IAML		739	49.27			68	0.7				
LSK	HZ	67	8	EP		739	35.71-	.210							1.0
LSK	HN	67	8	ES		739	45.750	.140							1.0
LSK	HZ	67	8	IAML		739	50.91			20	0.5				
NEST	HZ	107	27	EP		739	42.82-	.070							1.0
NEST	HE	107	27	ES		739	58.01-	.220							1.0
NEST	HZ	107	27	IAML		740	4.75			19	0.4				
THL	HZ	131	89	EP		739	46.88-	.030							1.0
THL	HN	131	89	ES		740	5.850	.350							1.0

**December 18 2021 Hour: 8:57 29.4 Lat: 40.42N Lon: 20.65E D: 5.3 Ag: TIR Local**  
**Magnitudes: 2.1ML TIR Rms: 0.3 secs**  
**9 km NW of Erseke**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KBN	HZ	25	28	EP		857	33.83-	.280							1.0
KBN	HN	25	28	ES		857	37.88-	.010							1.0
KBN	HZ	25	28	IAML		857	42.29			80	0.4				
LSK	HZ	31	187	EP		857	35.250	.250							1.0
LSK	HN	31	187	ES		857	39.800	.300							1.0
LSK	HZ	31	187	IAML		857	41.85			427	0.3				
NEST	HZ	34	91	EP		857	35.720	.050							1.0
NEST	HN	34	91	ES		857	40.850	.140							1.0
NEST	HZ	34	91	IAML		857	43.01			111	0.3				
BERA	HZ	67	298	EP		857	41.08-	.300							1.0
BERA	HE	67	298	ES		857	51.130	.080							1.0
SRN	HZ	82	223	EP		857	44.140	.120							1.0
SRN	HN	82	223	ES		857	55.74-	.090							1.0
SRN	HZ	82	223	IAML		857	57.42			30	0.3				



IGT	HZ	102	195	EP	857	47.900	.320									1.0
IGT	HN	102	195	ES	858	2.04	-.240									1.0
IGT	HZ	102	195	IAML	858	5.65		22	0.2							
KEK	HZ	107	223	EP	857	48.06	-.270									1.0
KEK	HZ	107	223	IAML	858	9.59		63	0.4							
PHP	HZ	141	353	EP	857	53.55	-.550									1.0
PHP	HN	141	353	ES	858	14.540	.470									1.0
PHP	HZ	141	353	IAML	858	21.39		9	0.6							
THL	HZ	151	129	EP	857	55.21	-.440									1.0
PUK	HZ	191	341	EP	858	2.440	.500									0.9
PUK	HZ	191	341	IAML	858	33.81		5	0.5							

**December 18 2021 Hour: 22:35 35.2 Lat: 40.15N Lon: 19.99E D: 23.5 Ag: TIR Local**  
**Magnitudes: 1.6ML TIR Rms: 0.7 secs**  
**15 km NW of Gjirokastr**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRN	HZ	30	178	EP		2235	41.55	-.130							1.0
SRN	HN	30	178	ES		2235	46.74	-.200							1.0
SRN	HZ	30	178	IAML		2235	48.04		18	0.4					
KEK	HZ	51	198	EP		2235	44.940	.140							1.0
KEK	HN	51	198	ES		2235	53.250	.660							1.0
KEK	HZ	51	198	IAML		2235	55.95		27	0.6					
LSK	HZ	52	89	EP		2235	44.59	-.510							1.0
LSK	HN	52	89	ES		2235	53.160	.020							1.0
LSK	HZ	52	89	IAML		2236	1.34		9	0.3					
VLO	HZ	55	311	EP		2235	43.93	-1.52							1.0
VLO	HN	55	311	ES		2235	53.880	.120							1.0
VLO	HZ	55	311	IAML		2235	58.43		53	1.4					
BERA	HN	62	357	EP		2235	47.59	1.04							1.0
BERA	HE	62	357	ES		2235	56.120	.370							1.0

**December 19 2021 Hour: 0:12 58.3 Lat: 40.45N Lon: 20.80E D: 3.7 Ag: TIR Local**  
**Magnitudes: 2.5ML TIR Rms: 0.7 secs**  
**12 km NE of Erseke**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KBN	HZ	20	356	EP		013	2.560	.730							1.0
KBN	HN	20	356	ES		013	5.250	.520							1.0
KBN	HZ	20	356	IAML		013	5.91		563	0.2					
LSK	HZ	38	208	EP		013	4.98	-.020							1.0
LSK	HN	38	208	ES		013	11.120	.660							1.0
LSK	HZ	38	208	IAML		013	13.22		221	0.4					
BERA	HE	78	292	ES		013	21.36	-2.04							1.0
SRN	HZ	93	228	EP		013	14.65	-.240							1.0
SRN	HE	93	228	ES		013	28.760	.390							1.0
SRN	HZ	93	228	IAML		013	31.06		24	0.5					
VLO	HZ	111	272	EP		013	17.940	.010							1.0
VLO	HN	111	272	ES		013	34.170	.300							1.0
VLO	HZ	111	272	IAML		013	39.63		106	1.5					
KEK	HZ	118	227	EP		013	18.67	-.510							1.0
KEK	HE	118	227	ES		013	36.930	.810							1.0
KEK	HZ	118	227	IAML		013	41.06		52	0.8					
TIR	HZ	127	322	EP		013	21.370	.700							1.0
TIR	HN	127	322	ES		013	38.12	-.710							1.0
TIR	HZ	127	322	IAML		013	49.67		9	0.6					
THL	HZ	142	133	EP		013	22.52	-.660							1.0
THL	HN	142	133	ES		013	42.55	-.820							1.0
PUK	HZ	193	337	EP		013	32.080	.860							0.9
PUK	HN	193	337	ES		013	58.94	1.01							0.9
PUK	HZ	193	337	IAML		014	6.83		7	1.1					
SDA	HZ	209	329	EP		013	32.72	-.440							0.9
SDA	HE	209	329	ES		014	0.86	-.570							0.9
SDA	HZ	209	329	IAML		014	2.58		14	1.9					
BCI	HZ	222	344	EP		013	34.950	.070							0.9
BCI	HE	222	344	ES		014	4.53	-.020							0.9

BCI HZ 222 344 IAML 014 17.16 15 3.0

**December 19 2021 Hour: 4:15 13.3 Lat: 39.79N Lon: 19.98E D: 9.1 Ag: TIR Local**  
**Magnitudes: 1.6ML TIR Rms: 0.7 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	13	EP		415	15.67	-.030							1.0
SRN	HN	10	13	ES		415	17.63	0.010							1.0
SRN	HZ	10	13	IAML		415	19.16			70	0.2				
KEK	HZ	18	239	EP		415	16.84	-.060							1.0
KEK	HN	18	239	ES		415	20.20	0.400							1.0
KEK	HZ	18	239	IAML		415	23.33			60	0.4				
LSK	HZ	66	53	EP		415	24.96	-.300							1.0
LSK	HN	66	53	ES		415	35.76	0.840							1.0
LSK	HZ	66	53	IAML		415	40.23			21	2.4				
BERA	HN	101	359	EP		415	29.04	-1.92							1.0
BERA	HE	101	359	ES		415	45.15	-.090							1.0
BPA2	HZ	108	344	EP		415	32.61	0.430							1.0
BPA2	HE	108	344	ES		415	48.18	0.730							1.0

**December 19 2021 Hour: 7:27 25.1 Lat: 38.66N Lon: 20.66E D: 12.5 Ag: TIR Local**  
**Magnitudes: 2.4ML TIR 2.7MW TIR Rms: 0.3 secs**

**118 km S of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KEK	HZ	139	328	EP		727	48.63	-.350							1.0
KEK	HZ	139	328	IAML		728	14.13			33	0.6				
SRN	HZ	147	337	EP		727	50.14	-.210							1.0
SRN	HZ	147	337	IAML		728	18.62			24	1.5				
THL	HZ	154	49	EP		727	51.66	0.060							1.0
THL	HN	154	49	ES		728	12.82	-.200							1.0
LSK	HZ	166	358	EP		727	54.18	0.670							1.0
LSK	HZ	166	358	IAML		728	13.57			19	2.0				
ITM	HZ	198	145	EP		727	57.92	0.210							0.9
ITM	HE	198	145	ES		728	23.95	-.140							0.9

**December 19 2021 Hour: 8:55 44.9 Lat: 40.17N Lon: 20.79E D: 13.7 Ag: TIR Local**  
**Magnitudes: 1.9ML TIR Rms: 0.7 secs**

**22 km S of Erseke**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LSK	HZ	16	264	EP		855	49.38	0.670							1.0
LSK	HN	16	264	ES		855	51.41	-.410							1.0
LSK	HZ	16	264	IAML		855	57.44			222	0.4				
KBN	HZ	51	0	EP		855	54.60	0.470							1.0
KBN	HN	51	0	ES		856	1.64	0.010							1.0
KBN	HZ	51	0	IAML		856	2.87			35	0.3				
SRN	HZ	74	245	EP		855	58.81	0.850							1.0
SRN	HN	74	245	ES		856	9.07	0.500							1.0
SRN	HZ	74	245	IAML		856	10.97			18	0.5				
BERA	HN	93	310	EP		855	59.94	-1.11							1.0
KEK	HZ	98	240	EP		856	2.63	0.650							1.0
KEK	HN	98	240	ES		856	14.74	-1.10							1.0
KEK	HZ	98	240	IAML		856	18.23			16	0.7				
THL	HZ	124	122	EP		856	5.76	-.570							1.0

**December 19 2021 Hour: 11:27 15.6 Lat: 41.81N Lon: 20.08E D: 22.9 Ag: TIR Local**  
**Magnitudes: 2.1ML TIR Rms: 0.6 secs**

**18 km E of Reshen**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PUK	HZ	30	328	EP		1127	22.37	0.200							1.0
PUK	HN	30	328	ES		1127	27.27	-.240							1.0
PUK	HZ	30	328	IAML		1127	28.36			83	0.3				
TIR	HE	55	200	ES		1127	35.01	0.850							1.0
SDA	HZ	55	298	EP		1127	26.09	0.260							1.0
SDA	HN	55	298	ES		1127	33.74	-.400							1.0

SDA	HZ	55	298	IAML	1127	35.55			102	0.4				
TIR	HZ	55	200	EP	1127	24.96	-.890							1.0
TIR	HZ	55	200	IAML	1127	36.87			24	0.7				
BCI	HZ	61	359	EP	1127	26.94	0.090							1.0
BCI	HN	61	359	ES	1127	36.32	0.340							1.0
BCI	HZ	61	359	IAML	1127	36.81			40	0.4				
PDG	HZ	96	315	EP	1127	31.46	-.950							1.0
PDG	HN	96	315	ES	1127	46.79	0.750							1.0
PDG	HZ	96	315	IAML	1127	49.46			17	0.2				

**December 19 2021 Hour: 11:48 8.8 Lat: 41.83N Lon: 20.06E D: 17.1 Ag: TIR Local**  
**Magnitudes: 2.2ML TIR Rms: 0.3 secs**

**16 km NE of Reshen**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PUK	HZ	28	329	EP		1148	14.57	-.040							1.0
PUK	HE	28	329	ES		1148	19.42	0.120							1.0
PUK	HZ	28	329	IAML		1148	21.12			159	0.2				
SDA	HZ	53	298	EP		1148	18.27	-.200							1.0
SDA	HE	53	298	ES		1148	26.41	0.120							1.0
SDA	HZ	53	298	IAML		1148	28.01			160	0.1				
TIR	HZ	56	197	EP		1148	18.77	-.160							1.0
TIR	HN	56	197	ES		1148	27.11	-.010							1.0
TIR	HZ	56	197	IAML		1148	33.03			20	0.3				
BCI	HZ	60	0	EP		1148	19.57	-.080							1.0
BCI	HE	60	0	ES		1148	28.33	-.100							1.0
BCI	HZ	60	0	IAML		1148	29.66			33	0.2				
PDG	HZ	94	316	EP		1148	26.17	0.870							1.0
PDG	HN	94	316	ES		1148	38.14	-.510							1.0
PDG	HZ	94	316	IAML		1148	40.85			33	0.4				

**December 19 2021 Hour: 22:12 21.2 Lat: 41.83N Lon: 20.06E D: 13.8 Ag: TIR Local**  
**Magnitudes: 3.2ML 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	28	330	IP		2212	26.84	0.150							1.0
PUK	HN	28	330	IS		2212	31.85	0.690							1.0
PUK	HZ	28	330	IAML		2212	32.34			1481	0.4				
SDA	HZ	53	298	IP		2212	30.59	-.090							1.0
SDA	HN	53	298	IS		2212	38.40	0.010							1.0
SDA	HZ	53	298	IAML		2212	40.08			1419	0.4				
TIR	HZ	56	197	IP		2212	30.89	-.290							1.0
TIR	HN	56	197	IS		2212	39.12	-.180							1.0
TIR	HZ	56	197	IAML		2212	42.19			392	0.6				
BCI	HZ	60	1	IP		2212	31.41	-.510							1.0
BCI	HN	60	1	IS		2212	40.93	0.300							1.0
BCI	HZ	60	1	IAML		2212	41.19			666	0.3				
PDG	HZ	94	316	IP		2212	36.71	-.860							1.0
PDG	HN	94	316	IS		2212	50.68	-.180							1.0
PDG	HZ	94	316	IAML		2212	54.41			63	4.6				
KBN	HZ	147	155	IP		2212	46.70	0.300							1.0
KBN	HN	147	155	IS		2213	6.43	-.410							1.0
KBN	HZ	147	155	IAML		2213	13.39			124	1.4				
VLO	HZ	158	198	IP		2212	48.59	0.380							0.9
VLO	HN	158	198	IS		2213	10.88	0.760							0.9
VLO	HZ	158	198	IAML		2213	15.27			121	0.3				
LSK	HZ	192	166	IP		2212	53.46	0.670							0.9
LSK	HN	192	166	IS		2213	18.70	0.300							0.9
LSK	HZ	192	166	IAML		2213	26.98			225	0.8				
SRN	HZ	216	181	IP		2212	55.52	-.310							0.9
SRN	HN	216	181	IS		2213	23.23	-.670							0.9

**December 20 2021 Hour: 6:58 56.5 Lat: 41.47N Lon: 20.70E D: 2.2 Ag: TIR Local**  
**Magnitudes: 2.4ML TIR Rms: 0.4 secs**  
**33 km SE of Peshkopi**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIR	HZ	72	260	EP		659	8.90	.410							1.0
TIR	HN	72	260	ES		659	19.44	.220							1.0
TIR	HZ	72	260	IAML		659	25.07			31	0.3				
PUK	HZ	93	314	EP		659	12.69	.480							1.0
PUK	HE	93	314	ES		659	26.59	.040							1.0
PUK	HZ	93	314	IAML		659	29.72			20	0.3				
KBN	HZ	94	176	EP		659	13.02	.290							1.0
KBN	HN	94	176	ES		659	26.70	.200							1.0
KBN	HZ	94	176	IAML		659	32.19			32	0.3				
BERA	HZ	106	217	EP		659	16.45	0.980							1.0
BERA	HN	106	217	ES		659	31.11	0.300							1.0
BCI	HZ	113	332	EP		659	16.86	0.170							1.0
BCI	HE	113	332	ES		659	33.38	0.360							1.0
BCI	HZ	113	332	IAML		659	36.36			47	0.4				
SDA	HZ	119	303	EP		659	17.53	.180							1.0
SDA	HN	119	303	ES		659	34.95	0.100							1.0
LSK	HZ	147	184	EP		659	22.77	0.480							1.0
LSK	HZ	147	184	IAML		659	47.16			30	0.5				
PDG	HZ	161	312	EP		659	24.67	0.090							0.9
PDG	HZ	161	312	IAML		659	51.21			26	0.6				
SRN	HZ	186	199	EP		659	29.03	0.310							0.9
SRN	HE	186	199	ES		659	54.57	.210							0.9
SRN	HZ	186	199	IAML		659	59.64			16	0.3				
KEK	HZ	209	202	EP		659	30.92	.820							0.9

**December 20 2021 Hour: 12:33 0.5 Lat: 39.95N Lon: 20.76E D: 10.1 Ag: TIR Local**  
**Magnitudes: 2.3ML TIR Rms: 0.3 secs**  
**42 km E of Libohove**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LSK	HZ	26	328	EP		1233	5.73	0.240							1.0
LSK	HN	26	328	ES		1233	9.52	.010							1.0
LSK	HZ	26	328	IAML		1233	13.55			221	0.1				
SRN	HZ	65	263	EP		1233	12.03	.110							1.0
SRN	HE	65	263	ES		1233	21.99	0.410							1.0
SRN	HZ	65	263	IAML		1233	22.73			81	0.6				
KBN	HZ	74	2	EP		1233	13.39	.320							1.0
KBN	HE	74	2	ES		1233	24.25	.160							1.0
KBN	HZ	74	2	IAML		1233	26.70			37	0.3				
KEK	HZ	86	252	EP		1233	15.39	.280							1.0
KEK	HN	86	252	ES		1233	27.69	.270							1.0
KEK	HZ	86	252	IAML		1233	30.30			147	0.8				
BERA	HZ	108	321	EP		1233	19.00	.240							1.0
BERA	HE	108	321	ES		1233	34.63	0.200							1.0
THL	HZ	116	111	EP		1233	20.79	0.200							1.0
THL	HN	116	111	ES		1233	36.86	.000							1.0
PUK	HZ	243	343	EP		1233	39.57	0.450							0.9
PUK	HZ	243	343	IAML		1234	19.39			5	0.2				

**December 20 2021 Hour: 16:39 11.4 Lat: 41.82N Lon: 20.06E D: 20.8 Ag: TIR Local**  
**Magnitudes: 1.4ML TIR Rms: 0.2 secs**  
**16 km E of Reshen**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PUK	HZ	28	331	EP		1639	17.30	.240							1.0
PUK	HN	28	331	ES		1639	22.70	0.180							1.0
PUK	HZ	28	331	IAML		1639	23.33			22	0.3				
PHP	HZ	35	115	EP		1639	18.41	.150							1.0
PHP	HN	35	115	ES		1639	24.41	0.060							1.0
PHP	HZ	35	115	IAML		1639	24.42			11	0.4				
SDA	HZ	53	299	EP		1639	21.43	0.260							1.0

SDA	HE	53	299	ES		1639	28.90-	.180									1.0
SDA	HZ	53	299	IAML		1639	30.07		16	0.3							
BCI	HZ	61	1	EP		1639	22.680.	.220									1.0
BCI	HE	61	1	ES		1639	31.27-	.140									1.0
BCI	HZ	61	1	IAML		1639	32.23		9	0.1							

**December 20 2021 Hour: 20:48 27.3 Lat: 41.58N Lon: 19.55E D: 18.0 Ag: TIR Local**  
**Magnitudes: 1.5ML TIR Rms: 0.8 secs**  
**15 km SW of Lac**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIR	HZ	37	135	EP		2048	33.10-	1.36							1.0
TIR	HE	37	135	ES		2048	40.990.	.770							1.0
SDA	HZ	52	355	EP		2048	36.10-	.820							1.0
SDA	HE	52	355	ES		2048	44.31-	.370							1.0
SDA	HZ	52	355	IAML		2048	49.74		8	0.5					
PUK	HZ	59	29	EP		2048	37.91-	.080							1.0
PUK	HE	59	29	ES		2048	47.71	1.09							1.0
PUK	HZ	59	29	IAML		2048	50.12		11	0.1					
PHP	HZ	75	81	EP		2048	40.700.	.050							1.0
PHP	HN	75	81	ES		2048	51.34-	.080							1.0
PHP	HZ	75	81	IAML		2048	54.90		9	1.5					
BCI	HZ	97	26	EP		2048	43.77-	.560							1.0
BCI	HN	97	26	ES		2048	57.57-	.510							1.0
BCI	HZ	97	26	IAML		2049	3.05		9	0.4					
PDG	HZ	97	346	EP		2048	45.69	1.35							1.0
PDG	HN	97	346	ES		2048	58.05-	.050							1.0
PDG	HZ	97	346	IAML		2049	3.30		6	0.2					
NEST	HZ	181	135	EP		2048	58.56	1.45							0.9
NEST	HE	181	135	ES		2049	20.43-	.780							0.9

**December 20 2021 Hour: 23:44 22.8 Lat: 42.88N Lon: 18.84E D: 5.1 Ag: TIR Local**  
**Magnitudes: 1.5ML TIR Rms: 0.8 secs**  
**88 km NW of Kopluk**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PDG	HZ	61	145	EP		2344	34.76	1.01							1.0
PDG	HN	61	145	ES		2344	41.29-	1.34							1.0
PDG	HZ	61	145	IAML		2344	44.27		13	1.7					
SDA	HZ	107	149	EP		2344	41.77-	.000							1.0
SDA	HN	107	149	ES		2344	57.360.	.200							1.0
SDA	HZ	107	149	IAML		2345	1.26		7	1.2					
BCI	HZ	116	119	EP		2344	42.76-	.470							1.0
BCI	HN	116	119	ES		2344	59.850.	.050							1.0
BCI	HZ	116	119	IAML		2345	3.95		5	0.4					
PUK	HZ	127	137	EP		2344	45.700.	.540							1.0
PUK	HN	127	137	ES		2345	4.49	1.19							1.0
PUK	HZ	127	137	IAML		2345	8.42		2	0.3					
PHP	HZ	188	135	EP		2344	54.00-	.880							0.9
PHP	HN	188	135	ES		2345	20.46-	.420							0.9
PHP	HZ	188	135	IAML		2345	24.75		7	1.5					

**December 21 2021 Hour: 0:27 33.3 Lat: 41.67N Lon: 20.79E D: 3.1 Ag: TIR Local**  
**Magnitudes: 2.2ML TIR Rms: 0.5 secs**  
**30 km E of Peshkopi**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PHP	HZ	29	273	EP		027	39.450.	.950							1.0
PHP	HN	29	273	ES		027	42.57-	.170							1.0
PHP	HZ	29	273	IAML		027	42.87		491	0.2					
PUK	HZ	85	299	EP		027	48.44-	.020							1.0
PUK	HN	85	299	ES		027	59.58-	1.20							1.0
PUK	HZ	85	299	IAML		028	4.63		23	0.4					
TIR	HZ	85	245	EP		027	48.750.	.250							1.0
TIR	HE	85	245	ES		028	0.970.	.120							1.0
TIR	HZ	85	245	IAML		028	3.02		22	1.8					
BCI	HZ	98	322	EP		027	51.270.	.580							1.0

BCI	HN	98	322	ES	028	4.810.010											1.0
BCI	HZ	98	322	IAML	028	11.07			37	1.5							
SDA	HZ	115	292	EP	027	52.85-.790											1.0
SDA	HN	115	292	ES	028	10.400.250											1.0
SDA	HZ	115	292	IAML	028	17.23			12	0.7							
KBN	HZ	117	180	EP	027	53.81-.150											1.0
KBN	HE	117	180	ES	028	10.49-.240											1.0
KBN	HZ	117	180	IAML	028	13.32			13	0.8							
BERA	HN	129	213	EP	027	55.83-.130											1.0
NEST	HZ	141	171	EP	027	57.69-.440											1.0
NEST	HE	141	171	ES	028	18.14-.130											1.0
NEST	HZ	141	171	IAML	028	21.76			18	0.6							
PDG	HZ	152	304	EP	027	59.870.070											1.0
PDG	HE	152	304	ES	028	21.760.470											1.0
PDG	HZ	152	304	IAML	028	26.51			20	0.8							
LSK	HZ	170	185	EP	028	3.040.170											0.9
LSK	HN	170	185	ES	028	27.280.430											0.9
LSK	HZ	170	185	IAML	028	30.01			14	2.3							

**December 21 2021 Hour: 1:40 46.6 Lat: 39.94N Lon: 19.41E D: 30.2 Ag: TIR Local**  
**Magnitudes: 1.8ML TIR Rms: 0.6 secs**  
**33 km SW of Himare**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KEK	HZ	42	127	EP		140	55.450.190								1.0
KEK	HE	42	127	ES		141	1.89-.420								1.0
KEK	HZ	42	127	IAML		141	2.50			66	0.7				
SRN	HZ	51	97	EP		140	57.180.640								1.0
SRN	HE	51	97	ES		141	4.930.320								1.0
SRN	HZ	51	97	IAML		141	10.62			19	0.3				
LSK	HZ	104	77	EP		141	3.46-1.27								1.0
LSK	HN	104	77	ES		141	19.650.210								1.0
LSK	HZ	104	77	IAML		141	36.28			14	2.1				
NEST	HZ	149	69	EP		141	11.660.540								1.0
NEST	HN	149	69	ES		141	30.81-.200								1.0
NEST	HZ	149	69	IAML		141	38.61			3	0.4				

**December 21 2021 Hour: 3:47 1.0 Lat: 39.66N Lon: 20.44E D: 10.0F Ag: TIR Local**  
**Magnitudes: 1.4ML TIR Rms: 0.8 secs**  
**21 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRN	HZ	45	304	EP		347	8.83-.320								1.0
SRN	HN	45	304	ES		347	14.80-.990								1.0
SRN	HZ	45	304	IAML		347	18.17			14	0.3				
KEK	HZ	55	277	EP		347	10.88-.040								1.0
KEK	HE	55	277	ES		347	19.170.180								1.0
KEK	HZ	55	277	IAML		347	22.63			18	0.4				
LSK	HZ	56	14	EP		347	10.83-.350								1.0
LSK	HN	56	14	ES		347	18.90-.570								1.0
LSK	HZ	56	14	IAML		347	23.50			12	0.5				
NEST	HZ	99	32	EP		347	17.90-.390								1.0
NEST	HZ	99	32	IAML		347	28.24			5	0.5				
BERA	HN	123	340	EP		347	24.15 1.88								1.0
BERA	HE	123	340	ES		347	40.260.720								1.0

**December 21 2021 Hour: 5:46 9.1 Lat: 40.43N Lon: 20.08E D: 2.0 Ag: TIR Local**  
**Magnitudes: 1.9ML TIR Rms: 0.9 secs**  
**12 km NE of Memaliaj**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BERA	HN	32	340	EP		546	14.59-.180								1.0
BERA	HE	32	340	ES		546	19.910.530								1.0
VLO	HZ	50	275	EP		546	17.88-.070								1.0
VLO	HN	50	275	ES		546	25.290.170								1.0
VLO	HZ	50	275	IAML		546	30.41			111	0.2				
LSK	HZ	54	125	EP		546	19.140.340								1.0

LSK	HN	54	125	ES	546	28.07	1.40										1.0
LSK	HZ	54	125	IAML	546	41.08			27	0.6							
SRN	HZ	62	186	EP	546	19.28	-.850										1.0
SRN	HN	62	186	ES	546	28.88	-.200										1.0
SRN	HZ	62	186	IAML	546	33.86			30	0.5							
KBN	HZ	64	70	EP	546	20.470	.010										1.0
KBN	HE	64	70	ES	546	29.67	-.010										1.0
KBN	HZ	64	70	IAML	546	32.22			10	0.6							
NEST	HZ	82	91	EP	546	23.990	.180										1.0
NEST	HE	82	91	ES	546	34.02	-1.71										1.0
NEST	HZ	82	91	IAML	546	43.69			10	0.6							
KEK	HZ	84	197	EP	546	23.59	-.410										1.0
KEK	HN	84	197	ES	546	36.530	.450										1.0
KEK	HZ	84	197	IAML	546	40.25			38	0.1							
PHP	HZ	142	12	EP	546	35.54	1.43										1.0
PHP	HN	142	12	ES	546	55.83	1.44										1.0
PHP	HZ	142	12	IAML	547	6.63			8	1.4							
PUK	HZ	179	355	EP	546	39.37	-.950										0.9
PUK	HE	179	355	ES	547	3.84	-1.78										0.9
PUK	HZ	179	355	IAML	547	8.22			6	0.6							
THL	HZ	191	120	EP	546	42.080	.090										0.9

**December 21 2021 Hour: 6:6 45.7 Lat: 42.01N Lon: 20.17E D: 18.1 Ag: TIR Local**  
**Magnitudes: 2.3ML TIR Rms: 0.4 secs**  
**12 km SE of Fushe-Arrez**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PUK	HZ	23	279	EP		6	6	51.090	.220						1.0
PUK	HN	23	279	ES		6	6	54.83	-.230						1.0
PUK	HZ	23	279	IAML		6	6	56.63		708	0.1				
BCI	HZ	40	348	EP		6	6	53.760	.360						1.0
BCI	HE	40	348	ES		6	7	0.090	.440						1.0
BCI	HZ	40	348	IAML		6	7	2.51		189	0.5				
PHP	HZ	43	148	EP		6	6	53.62	-.180						1.0
PHP	HE	43	148	ES		6	6	59.86	-.510						1.0
PHP	HZ	43	148	IAML		6	7	2.17		53	0.2				
SDA	HZ	55	275	EP		6	6	55.980	.230						1.0
SDA	HN	55	275	ES		6	7	4.100	.190						1.0
SDA	HZ	55	275	IAML		6	7	9.85		74	0.5				
TIR	HZ	78	199	EP		6	6	59.550	.100						1.0
TIR	HE	78	199	ES		6	7	11.150	.550						1.0
TIR	HZ	78	199	IAML		6	7	14.09		24	0.3				
PDG	HZ	88	302	EP		6	7	0.52	-.610						1.0
PDG	HN	88	302	ES		6	7	12.98	-.670						1.0
PDG	HZ	88	302	IAML		6	7	15.55		51	0.5				
NEST	HZ	192	157	EP		6	7	17.250	.340						0.9
NEST	HN	192	157	ES		6	7	42.01	-.200						0.9
NEST	HZ	192	157	IAML		6	7	52.12		12	0.5				

**December 21 2021 Hour: 9:47 37.9 Lat: 39.90N Lon: 20.74E D: 10.0F Ag: TIR Local**  
**Magnitudes: 2.6ML TIR Rms: 0.9 secs**  
**43 km E of Libohove**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LSK	HZ	30	336	IP		947	43.22	-.390							1.0
LSK	HN	30	336	IS		947	47.14	-1.10							1.0
LSK	HZ	30	336	IAML		947	51.53			372	0.5				
NEST	HZ	62	24	EP		947	49.11	-.020							1.0
NEST	HN	62	24	IS		947	57.75	-.490							1.0
NEST	HZ	62	24	IAML		948	8.52			40	0.5				
SRN	HZ	64	268	IP		947	49.01	-.260							1.0
SRN	HN	64	268	IS		947	58.870	.370							1.0
SRN	HZ	64	268	IAML		947	59.18			132	0.5				
KEK	HZ	84	256	IP		947	52.26	-.370							1.0
KEK	HN	84	256	IS		948	4.670	.110							1.0
KEK	HZ	84	256	IAML		948	6.47			249	0.7				

PHP HN 199 353 IS 948 40.22 2.58 0.9  
 PHP HZ 199 353 IAML 948 43.57 12 1.1

**December 21 2021 Hour: 16:50 41.5 Lat: 39.81N Lon: 20.49E D: 10.1 Ag: TIR Local**  
**Magnitudes: 1.5ML TIR Rms: 0.1 secs**

**30 km NE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LSK	HZ	39	14	EP		1650	48.70	-.070							1.0
LSK	HN	39	14	ES		1650	54.65	-.020							1.0
SRN	HZ	43	281	EP		1650	49.29	-.010							1.0
SRN	HE	43	281	ES		1650	55.71	0.070							1.0
KEK	HZ	60	260	EP		1650	52.49	0.210							1.0
KEK	HN	60	260	ES		1651	0.85	-.170							1.0
KEK	HZ	60	260	IAML		1651	8.14		31	1.1					
NEST	HZ	83	35	EP		1650	55.98	-.120							1.0
NEST	HE	83	35	ES		1651	8.06	0.120							1.0
NEST	HZ	83	35	IAML		1651	11.92		4	0.3					

**December 21 2021 Hour: 17:15 55.3 Lat: 39.69N Lon: 20.40E D: 36.4 Ag: TIR Local**  
**Magnitudes: 1.6ML TIR Rms: 0.2 secs**

**18 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRN	HZ	40	302	EP		17 2	3.76	-.500							1.0
SRN	HE	40	302	ES		17 2	11.57	0.020							1.0
SRN	HZ	40	302	IAML		17 2	18.14		17	0.9					
KEK	HZ	51	273	EP		17 2	5.80	0.050							1.0
KEK	HN	51	273	ES		17 2	14.49	0.240							1.0
KEK	HZ	51	273	IAML		17 2	21.20		30	1.1					
LSK	HZ	54	19	EP		17 2	6.15	-.070							1.0
LSK	HN	54	19	ES		17 2	15.11	0.010							1.0
NEST	HZ	98	35	EP		17 2	12.88	0.210							1.0
NEST	HN	98	35	ES		17 2	26.80	0.030							1.0
NEST	HZ	98	35	IAML		17 2	33.75		6	1.3					

**December 22 2021 Hour: 0:37 21.4 Lat: 38.60N Lon: 21.08E D: 15.8 Ag: TIR Local**  
**Magnitudes: 2.3ML TIR Rms: 0.9 secs**

**136 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
THL	HZ	135	37	EP		037	46.05	1.48							1.0
THL	HE	135	37	ES		038	2.61	-.710							1.0
KEK	HZ	166	319	EP		037	48.45	-1.01							1.0
KEK	HZ	166	319	IAML		038	15.65		50	1.5					
SRN	HZ	170	327	EP		037	49.08	-.870							1.0
SRN	HE	170	327	ES		038	13.94	0.890							1.0
SRN	HZ	170	327	IAML		038	27.77		18	1.1					
ITM	HZ	174	154	EP		037	51.04	0.510							1.0
ITM	HE	174	154	ES		038	13.92	-.190							1.0
LSK	HZ	177	347	EP		037	50.65	-.330							1.0
LSK	HN	177	347	ES		038	16.37	1.44							1.0
LSK	HZ	177	347	IAML		038	21.52		7	0.8					
NEST	HZ	202	359	EP		037	54.01	-.130							0.9
NEST	HN	202	359	ES		038	19.48	-1.16							0.9
NEST	HZ	202	359	IAML		038	28.59		9	0.8					

**December 22 2021 Hour: 2:49 37.2 Lat: 39.71N Lon: 20.68E D: 9.6 Ag: TIR Local**  
**Magnitudes: 1.3ML TIR Rms: 0.5 secs**

**43 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LSK	HZ	50	352	EP		249	46.29	0.030							1.0
LSK	HN	50	352	ES		249	53.57	-.050							1.0
LSK	HZ	50	352	IAML		249	57.23		4	0.3					
SRN	HZ	62	288	EP		249	47.61	-.610							1.0
SRN	HE	62	288	ES		249	57.69	0.510							1.0
SRN	HZ	62	288	IAML		250	0.45		11	0.9					



KEK	HZ	76	271	EP		249	50.31-	.310										1.0
NEST	HZ	85	22	EP		249	53.14	1.00										1.0
NEST	HE	85	22	ES		250	3.69-	.580										1.0
NEST	HZ	85	22	IAML		250	7.82			5	1.1							

**December 22 2021 Hour: 4:40 26.5 Lat: 39.74N Lon: 20.60E D: 41.2 Ag: TIR Local**  
**Magnitudes: 1.7ML TIR Rms: 0.5 secs**

**37 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LSK	HZ	46	359	EP		440	36.15-	.670							1.0
LSK	HN	46	359	ES		440	45.250	.080							1.0
LSK	HZ	46	359	IAML		440	47.43			25	0.7				
SRN	HZ	54	287	EP		440	38.130	.390							1.0
SRN	HE	54	287	ES		440	47.330	.490							1.0
SRN	HZ	54	287	IAML		440	49.95			13	0.4				
KEK	HZ	69	268	EP		440	39.820	.110							1.0
KEK	HE	69	268	ES		440	49.68-	.720							1.0
KEK	HZ	69	268	IAML		441	5.17			37	1.1				
NEST	HZ	84	27	EP		440	42.320	.590							1.0
NEST	HN	84	27	ES		440	53.78-	.280							1.0
NEST	HZ	84	27	IAML		440	58.72			5	0.5				

**December 22 2021 Hour: 6:24 25.9 Lat: 38.90N Lon: 21.11E D: 12.0 Ag: TIR Local**  
**Magnitudes: 2.5ML 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
THL	HZ	107	46	EP		624	43.47-	1.00							1.0
THL	HN	107	46	ES		624	59.850	.350							1.0
LSK	HN	145	342	ES		625	10.05-	1.08							1.0
LSK	HZ	145	342	IAML		625	17.75			43	0.8				
SRN	HE	145	319	ES		625	10.62-	.220							1.0
LSK	HZ	145	342	EP		624	52.22	1.32							1.0
SRN	HZ	145	319	EP		624	51.390	.650							1.0
SRN	HZ	145	319	IAML		625	20.44			22	0.6				
KEK	HZ	145	309	EP		624	50.38-	.360							1.0
KEK	HN	145	309	ES		625	10.85-	.010							1.0
KEK	HZ	145	309	IAML		625	21.06			70	0.4				
NEST	HZ	168	358	EP		624	54.49-	.180							0.9
NEST	HE	168	358	ES		625	18.600	.630							0.9
NEST	HZ	168	358	IAML		625	24.68			21	0.6				
ITM	HZ	204	159	EP		624	59.21-	.070							0.9
ITM	HN	204	159	ES		625	26.330	.030							0.9

**December 22 2021 Hour: 13:36 25.4 Lat: 41.19N Lon: 20.05E D: 17.2 Ag: TIR Local**  
**Magnitudes: 1.6ML TIR Rms: 0.1 secs**

**8 km NW of Elbasan**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIR	HZ	24	320	EP		1336	30.590	.050							1.0
TIR	HE	24	320	ES		1336	34.67-	.020							1.0
TIR	HZ	24	320	IAML		1336	36.00			56	0.1				
PHP	HZ	64	30	EP		1336	37.040	.030							1.0
PHP	HN	64	30	ES		1336	46.31-	.080							1.0
PHP	HZ	64	30	IAML		1336	46.95			17	0.2				
PUK	HZ	96	352	EP		1336	42.270	.010							1.0
PUK	HN	96	352	ES		1336	56.050	.160							1.0
PUK	HZ	96	352	IAML		1336	59.28			5	0.1				
SDA	HZ	106	335	EP		1336	43.85-	.050							1.0
SDA	HE	106	335	ES		1336	58.76-	.110							1.0
SDA	HZ	106	335	IAML		1337	0.85			5	0.1				

**December 22 2021 Hour: 21:33 24.0 Lat: 42.23N Lon: 19.44E D: 8.6 Ag: TIR Local**  
**Magnitudes: 1.0ML TIR Rms: 0.8 secs**  
**3 km NE of Koplík**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SDA	HZ	21	167	EP		2133	27.61	-.420							1.0
SDA	HE	21	167	ES		2133	31.39	0.110							1.0
SDA	HZ	21	167	IAML		2133	31.61			16	0.4				
PDG	HZ	27	326	EP		2133	28.64	-.400							1.0
PDG	HN	27	326	ES		2133	33.52	0.430							1.0
PDG	HZ	27	326	IAML		2133	33.63			35	0.3				
PUK	HZ	43	119	EP		2133	31.61	-.210							1.0
PUK	HN	43	119	ES		2133	38.55	0.410							1.0
PUK	HZ	43	119	IAML		2133	42.33			4	0.3				
BCI	HZ	54	74	EP		2133	32.43	-1.30							1.0
BCI	HN	54	74	ES		2133	42.08	0.500							1.0
BCI	HZ	54	74	IAML		2133	44.42			10	0.4				
PHP	HZ	103	126	EP		2133	43.71	1.68							1.0
PHP	HN	103	126	ES		2133	55.80	-.800							1.0
PHP	HZ	103	126	IAML		2133	59.57			2	0.7				

**December 22 2021 Hour: 22:12 3.3 Lat: 42.22N Lon: 19.43E D: 7.8 Ag: TIR Local**  
**Magnitudes: 1.1ML TIR Rms: 0.4 secs**  
**0 km N of Koplík**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SDA	HZ	20	164	EP		2212	6.97	-.170							1.0
SDA	HN	20	164	ES		2212	10.34	0.120							1.0
SDA	HZ	20	164	IAML		2212	10.95			18	0.4				
PDG	HZ	27	328	EP		2212	8.07	-.290							1.0
PDG	HN	27	328	ES		2212	12.82	0.380							1.0
PDG	HZ	27	328	IAML		2212	12.98			38	0.3				
PUK	HZ	43	117	EP		2212	10.64	-.500							1.0
PUK	HN	43	117	ES		2212	17.81	0.340							1.0
PUK	HZ	43	117	IAML		2212	20.48			3	0.3				
BCI	HZ	55	73	EP		2212	12.62	-.590							1.0
BCI	HN	55	73	ES		2212	21.45	0.230							1.0
BCI	HZ	55	73	IAML		2212	23.74			8	0.4				
PHP	HZ	103	125	EP		2212	22.09	0.690							1.0
PHP	HN	103	125	ES		2212	35.83	-.200							1.0
PHP	HZ	103	125	IAML		2212	38.21			1	0.2				

**December 23 2021 Hour: 1:41 6.6 Lat: 41.53N Lon: 20.35E D: 11.1 Ag: TIR Local**  
**Magnitudes: 2.0ML TIR Rms: 0.6 secs**  
**11 km E of Bulqize**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PHP	HZ	19	24	EP		141	11.06	0.390							1.0
PHP	HN	19	24	ES		141	14.37	0.440							1.0
PHP	HZ	19	24	IAML		141	14.83			142	0.2				
TIR	HZ	45	244	EP		141	15.08	0.240							1.0
TIR	HE	45	244	ES		141	21.66	0.170							1.0
TIR	HZ	45	244	IAML		141	25.53			21	0.5				
PUK	HZ	69	327	EP		141	18.88	0.020							1.0
PUK	HN	69	327	ES		141	28.12	-.640							1.0
PUK	HZ	69	327	IAML		141	33.18			24	0.2				
SDA	HZ	91	310	EP		141	22.89	0.310							1.0
SDA	HN	91	310	ES		141	35.81	0.310							1.0
SDA	HZ	91	310	IAML		141	38.81			18	0.1				
BCI	HZ	96	346	EP		141	22.96	-.450							1.0
BCI	HN	96	346	ES		141	36.62	-.390							1.0
BCI	HZ	96	346	IAML		141	39.39			23	0.4				
KBN	HZ	107	160	EP		141	24.98	-.200							1.0
KBN	HE	107	160	ES		141	39.75	-.440							1.0
KBN	HZ	107	160	IAML		141	43.62			10	0.6				
PDG	HZ	135	318	EP		141	29.38	-.450							1.0

PDG	HN	135	318	ES	141	48.33-	.280								1.0
PDG	HZ	135	318	IAML	141	52.12		14	0.4						
LSK	HZ	154	172	EP	141	34.030.	.930								1.0
LSK	HN	154	172	ES	141	53.12-	1.42								1.0
LSK	HZ	154	172	IAML	142	13.88		9	1.4						
SRN	HZ	185	189	EP	141	39.07	1.48								0.9
SRN	HN	185	189	ES	142	2.760.	.100								0.9
SRN	HZ	185	189	IAML	142	5.38		12	0.8						

**December 23 2021 Hour: 2:10 0.7 Lat: 41.54N Lon: 20.35E D: 11.1 Ag: TIR Local**  
**Magnitudes: 1.7ML TIR Rms: 0.5 secs**  
**12 km NE of Bulqize**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PHP	HZ	18	25	EP		210	4.820.	.370							1.0
PHP	HN	18	25	ES		210	8.100.	.590							1.0
PHP	HZ	18	25	IAML		210	8.54		100	0.2					
TIR	HZ	46	242	EP		210	8.88-	.200							1.0
TIR	HN	46	242	ES		210	16.130.	.240							1.0
TIR	HZ	46	242	IAML		210	19.28		14	0.3					
PUK	HZ	68	326	EP		210	12.71-	.000							1.0
PUK	HN	68	326	ES		210	22.41-	.050							1.0
PUK	HZ	68	326	IAML		210	26.87		13	0.2					
SDA	HZ	91	309	EP		210	16.650.	.150							1.0
SDA	HN	91	309	ES		210	29.690.	.370							1.0
SDA	HZ	91	309	IAML		210	32.55		11	0.1					
BCI	HZ	95	346	EP		210	16.90-	.300							1.0
BCI	HN	95	346	ES		210	29.98-	.610							1.0
BCI	HZ	95	346	IAML		210	33.09		16	0.3					
KBN	HZ	108	160	EP		210	19.15-	.330							1.0
KBN	HN	108	160	ES		210	34.23-	.470							1.0
KBN	HZ	108	160	IAML		210	36.02		7	2.7					
PDG	HZ	134	318	EP		210	22.73-	.980							1.0
PDG	HN	134	318	ES		210	42.530.	.170							1.0
PDG	HZ	134	318	IAML		210	45.83		8	0.4					
SRN	HZ	187	189	EP		210	33.02	1.16							0.9

**December 23 2021 Hour: 2:31 37.4 Lat: 38.79N Lon: 20.66E D: 44.7 Ag: TIR Local**  
**Magnitudes: 2.3ML TIR Rms: 0.8 secs**  
**104 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KEK	HZ	126	324	EP		231	57.28-	.630							1.0
KEK	HN	126	324	ES		232	13.94-	.580							1.0
KEK	HZ	126	324	IAML		232	18.30		32	0.5					
SRN	HZ	133	335	EP		231	58.15-	.640							1.0
SRN	HN	133	335	ES		232	16.310.	.190							1.0
SRN	HZ	133	335	IAML		232	25.97		11	0.8					
THL	HZ	145	53	EP		232	1.150.	.780							1.0
THL	HE	145	53	ES		232	17.65-	1.32							1.0
LSK	HZ	151	358	EP		232	2.53	1.37							1.0
LSK	HN	151	358	ES		232	21.120.	.730							1.0
LSK	HZ	151	358	IAML		232	26.97		21	0.8					
KBN	HZ	204	3	EP		232	8.900.	.990							0.9
KBN	HE	204	3	ES		232	32.660.	.050							0.9
KBN	HZ	204	3	IAML		232	37.94		5	0.5					
ITM	HZ	211	148	EP		232	8.980.	.140							0.9
PHP	HZ	322	357	EP		232	22.54-	.480							0.8
PHP	HZ	322	357	IAML		233	26.86		4	2.1					
PUK	HZ	367	350	EP		232	27.95-	.870							0.8

**December 23 2021 Hour: 5:48 5.3 Lat: 39.67N Lon: 20.34E D: 37.1 Ag: TIR Local**  
**Magnitudes: 1.6ML TIR Rms: 0.5 secs**  
**13 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRN	HZ	38	308	EP		548	13.50	-.630							1.0
SRN	HE	38	308	ES		548	20.75	-.510							1.0
SRN	HZ	38	308	IAML		548	26.63			16	0.5				
KEK	HZ	47	276	EP		548	15.02	-.330							1.0
KEK	HE	47	276	ES		548	24.390	.920							1.0
KEK	HZ	47	276	IAML		548	29.66			35	0.6				
LSK	HZ	57	22	EP		548	17.060	.240							1.0
LSK	HN	57	22	ES		548	26.320	.210							1.0
LSK	HZ	57	22	IAML		548	32.82			16	0.8				
KBN	HZ	112	19	EP		548	24.880	.390							0.5
KBN	HZ	112	19	IAML		548	50.24			4	0.2				

**December 23 2021 Hour: 7:42 3.8 Lat: 42.33N Lon: 19.43E D: 12.5 Ag: TIR Local**  
**Magnitudes: 1.2ML TIR Rms: 0.3 secs**  
**12 km N of Koplik**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PDG	HZ	18	310	EP		742	7.49	-.180							1.0
PDG	HN	18	310	ES		742	11.000	.210							1.0
PDG	HZ	18	310	IAML		742	11.23			28	0.2				
SDA	HE	31	169	ES		742	14.24	-.370							1.0
PUK	HZ	50	129	EP		742	13.050	.160							1.0
PUK	HE	50	129	ES		742	20.760	.530							1.0
PUK	HZ	50	129	IAML		742	21.86			6	0.2				
BCI	HN	53	85	ES		742	20.81	-.340							1.0

**December 23 2021 Hour: 10:24 13.6 Lat: 39.74N Lon: 20.68E D: 11.1 Ag: TIR Local**  
**Magnitudes: 1.8ML TIR Rms: 0.4 secs**  
**43 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LSK	HZ	46	352	EP		1024	21.84	-.140							1.0
LSK	HN	46	352	ES		1024	28.930	.130							1.0
LSK	HZ	46	352	IAML		1024	30.30			32	0.6				
SRN	HZ	60	285	EP		1024	25.070	.790							1.0
SRN	HN	60	285	ES		1024	32.37	-.580							1.0
SRN	HZ	60	285	IAML		1024	34.45			17	0.3				
KEK	HZ	76	268	EP		1024	26.880	.020							1.0
KEK	HE	76	268	ES		1024	37.52	-.110							1.0
KEK	HZ	76	268	IAML		1024	39.92			17	0.2				
THL	HZ	116	99	EP		1024	33.950	.290							1.0
THL	HE	116	99	ES		1024	49.53	-.410							1.0

**December 23 2021 Hour: 13:26 13.4 Lat: 39.52N Lon: 20.49E D: 5.0 Ag: TIR Local**  
**Magnitudes: 2.6ML TIR Rms: 0.5 secs**  
**30 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRN	HZ	58	313	EP		1326	23.04	-.770							1.0
SRN	HN	58	313	ES		1326	31.92	-.280							1.0
SRN	HZ	58	313	IAML		1326	33.22			156	0.6				
KEK	HZ	63	290	EP		1326	24.44	-.310							1.0
KEK	HN	63	290	ES		1326	34.690	.770							1.0
KEK	HZ	63	290	IAML		1326	40.01			458	0.6				
LSK	HZ	70	7	EP		1326	25.94	-.080							1.0
LSK	HN	70	7	ES		1326	36.530	.320							1.0
LSK	HZ	70	7	IAML		1326	40.90			137	0.7				
THL	HZ	131	87	EP		1326	37.110	.750							1.0
THL	HE	131	87	ES		1326	54.54	-.390							1.0
PHP	HZ	240	359	EP		1326	52.16	-.120							0.9
PHP	HZ	240	359	IAML		1327	38.40			12	0.7				
PUK	HZ	284	350	EP		1326	58.140	.150							0.8

PUK HZ 284 350 IAML 1327 38.69 6 0.2

**December 23 2021 Hour: 14:16 2.6 Lat: 39.54N Lon: 20.54E D: 11.1 Ag: TIR Local**  
**Magnitudes: 2.3ML TIR Rms: 0.8 secs**

**32 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRN	HZ	59	309	EP		1416	12.29	-.860							1.0
SRN	HE	59	309	ES		1416	20.79	-.930							1.0
SRN	HZ	59	309	IAML		1416	25.30			63	0.7				
KEK	HZ	66	287	EP		1416	14.12	-.200							1.0
KEK	HN	66	287	ES		1416	24.710	.880							1.0
KEK	HZ	66	287	IAML		1416	28.10			235	0.7				
LSK	HZ	67	4	EP		1416	15.030	.460							1.0
LSK	HN	67	4	ES		1416	24.670	.390							1.0
LSK	HZ	67	4	IAML		1416	32.04			66	0.9				
THL	HZ	127	89	EP		1416	25.83	1.39							1.0
THL	HE	127	89	ES		1416	40.96	-1.19							1.0
PUK	HZ	283	349	EP		1416	46.270	.110							0.8

**December 23 2021 Hour: 15:28 41.6 Lat: 39.56N Lon: 18.78E D: 43.1 Ag: TIR Local**  
**Magnitudes: 2.6ML TIR Rms: 0.4 secs**

**102 km SW of Himare**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KEK	HZ	89	79	EP		1528	57.630	.260							1.0
KEK	HE	89	79	ES		1529	9.29	-.850							1.0
KEK	HZ	89	79	IAML		1529	11.57			78	0.4				
SRN	HZ	111	71	EP		1529	0.230	.140							1.0
SRN	HE	111	71	ES		1529	14.95	-.110							1.0
SRN	HZ	111	71	IAML		1529	15.66			63	0.7				
VLO	HZ	118	31	EP		1529	0.91	-.150							1.0
VLO	HE	118	31	ES		1529	16.61	-.210							1.0
VLO	HZ	118	31	IAML		1529	22.15			145	0.2				
LSK	HZ	169	67	EP		1529	8.170	.490							0.9
LSK	HN	169	67	ES		1529	29.480	.680							0.9
LSK	HZ	169	67	IAML		1529	35.22			30	0.7				
TIP	HZ	179	257	EP		1529	8.65	-.330							0.9
TIP	HE	179	257	ES		1529	31.360	.200							0.9

**December 23 2021 Hour: 19:31 7.6 Lat: 39.24N Lon: 20.68E D: 10.0F Ag: TIR Local**  
**Magnitudes: 1.7ML TIR Rms: 0.3 secs**

**63 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	44	318	EP		1931	15.64	-.070							1.0
IGT	HE	44	318	ES		1931	21.71	-.590							1.0
IGT	HZ	44	318	IAML		1931	22.88			22	0.2				
SRN	HZ	92	321	EP		1931	23.40	-.310							1.0
SRN	HN	92	321	ES		1931	37.170	.390							1.0
SRN	HZ	92	321	IAML		1931	39.67			10	0.7				
KEK	HZ	92	305	EP		1931	23.800	.040							1.0
KEK	HN	92	305	ES		1931	37.230	.360							1.0
KEK	HZ	92	305	IAML		1931	40.36			11	0.3				
NEST	HZ	135	13	EP		1931	31.000	.170							1.0

**December 23 2021 Hour: 20: 6 33.5 Lat: 39.70N Lon: 19.12E D: 14.7 Ag: TIR Local**  
**Magnitudes: 1.8ML TIR Rms: 0.1 secs**

**69 km SW of Himare**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KEK	HZ	58	88	EP		20 6	43.85	-.100							1.0
KEK	HZ	58	88	IAML		20 6	55.93			26	0.1				
SRN	HZ	78	75	EP		20 6	47.390	.160							1.0
SRN	HE	78	75	ES		20 6	58.36	-.020							1.0
SRN	HZ	78	75	IAML		20 7	0.76			15	0.2				
IGT	HZ	106	100	EP		20 6	51.75	-.090							1.0
IGT	HE	106	100	ES		20 7	6.790	.070							1.0

IGT	HZ	106	100	IAML	20	7	10.62			20	0.4				
LSK	HZ	136	68	EP	20	6	56.81-.130								1.0
LSK	HN	136	68	ES	20	7	15.990.040								1.0
LSK	HZ	136	68	IAML	20	7	17.62			6	0.4				
NEST	HZ	183	64	EP	20	7	4.080.180								0.9
NEST	HN	183	64	ES	20	7	28.44-.100								0.9
NEST	HZ	183	64	IAML	20	7	33.37			4	0.6				

**December 23 2021 Hour: 20:37 6.9 Lat: 39.00N Lon: 20.80E D: 15.0F Ag: TIR Local**  
**Magnitudes: 3.3ML TIR Rms: 0.5 secs**  
**89 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	72	326	EP		2037	19.56-.120								1.0
IGT	HN	72	326	ES		2037	30.420.400								1.0
IGT	HZ	72	326	IAML		2037	31.79			541	0.4				
KEK	HZ	117	313	EP		2037	27.06-.760								1.0
KEK	HN	117	313	ES		2037	44.70-.050								1.0
KEK	HZ	117	313	IAML		2037	48.06			626	0.5				
SRN	HZ	119	325	EP		2037	27.60-.630								1.0
SRN	HN	119	325	ES		2037	46.70 1.20								1.0
SRN	HZ	119	325	IAML		2037	48.43			192	0.6				
THL	HZ	122	59	EP		2037	28.59-.080								1.0
THL	HE	122	59	ES		2037	46.890.610								1.0
LSK	HZ	129	352	EP		2037	30.120.280								1.0
LSK	HN	129	352	ES		2037	48.25-.160								1.0
LSK	HZ	129	352	IAML		2037	53.47			780	0.4				
NEST	HZ	158	8	EP		2037	34.62-.170								0.9
NEST	HE	158	8	ES		2037	56.35-1.02								0.9
NEST	HZ	158	8	IAML		2038	2.26			172	0.3				
KBN	HZ	180	360	EP		2037	38.610.210								0.9
KBN	HN	180	360	ES		2038	3.86-.050								0.9
KBN	HZ	180	360	IAML		2038	10.20			105	0.5				
VLO	HZ	198	326	EP		2037	41.500.640								0.9
VLO	HN	198	326	ES		2038	8.04-.320								0.9
VLO	HZ	198	326	IAML		2038	16.98			315	0.7				

**December 23 2021 Hour: 20:40 17.6 Lat: 39.50N Lon: 19.61E D: 49.9 Ag: TIR Local**  
**Magnitudes: 1.8ML TIR Rms: 0.5 secs**  
**39 km W of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KEK	HZ	29	34	EP		2040	26.23-.530								1.0
KEK	HN	29	34	ES		2040	33.81-.390								1.0
KEK	HZ	29	34	IAML		2040	36.00			40	0.1				
SRN	HZ	54	38	EP		2040	29.330.150								1.0
SRN	HE	54	38	ES		2040	38.960.390								1.0
SRN	HZ	54	38	IAML		2040	41.45			6	0.3				
IGT	HZ	62	86	EP		2040	30.830.670								1.0
IGT	HN	62	86	ES		2040	40.850.500								1.0
IGT	HZ	62	86	IAML		2040	43.93			18	0.2				
THL	HZ	207	87	EP		2040	48.440.030								0.9
THL	HN	207	87	ES		2041	12.40-.990								0.9

**December 23 2021 Hour: 20:49 53.3 Lat: 39.07N Lon: 20.54E D: 25.9 Ag: TIR Local**  
**Magnitudes: 1.9ML TIR Rms: 0.6 secs**  
**71 km S of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KEK	HZ	96	318	EP		2050	10.800.670								1.0
SRN	HZ	101	333	EP		2050	9.98-.970								1.0
SRN	HZ	101	333	IAML		2050	20.24			12	0.2				
LSK	HZ	120	2	EP		2050	14.270.300								1.0
LSK	HZ	120	2	IAML		2050	28.16			14	0.7				
NEST	HZ	156	16	EP		2050	19.160.050								1.0
ITM	HZ	242	150	EP		2050	30.08-.060								0.9

**December 23 2021 Hour: 21:23.2 Lat: 38.84N Lon: 18.90E D: 10.0F Ag: TIR Local**  
**Magnitudes: 1.9ML TIR Rms: 0.2 secs**  
**157 km SW of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KEK	HZ	124	39	EP		21	2	54.45-.210							1.0
IGT	HZ	146	58	EP		21	2	58.450.160							1.0
IGT	HZ	146	58	IAML		21	3	54.65		5	0.2				
NEST	HZ	254	46	EP		21	3	13.560.290							0.9
NEST	HZ	254	46	IAML		21	4	20.67		4	0.8				
THL	HZ	281	72	EP		21	3	16.35-.240							0.9

**December 23 2021 Hour: 22:35 10.3 Lat: 39.54N Lon: 20.47E D: 7.6 Ag: TIR Local**  
**Magnitudes: 1.7ML TIR Rms: 1.0 secs**  
**27 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	12	268	IP		2235	12.26-.550								1.0
IGT	HN	12	268	IS		2235	14.55-.280								1.0
IGT	HZ	12	268	IAML		2235	16.71			199	0.4				
SRN	HZ	55	314	IP		2235	19.17-1.11								1.0
SRN	HN	55	314	IS		2235	28.21-.140								1.0
SRN	HZ	55	314	IAML		2235	40.53			10	0.8				
KEK	HZ	61	289	IP		2235	21.06-.170								1.0
KEK	HN	61	289	IS		2235	31.09 1.02								1.0
KEK	HZ	61	289	IAML		2235	34.87			28	1.5				
LSK	HZ	69	9	IP		2235	23.440.690								1.0
LSK	HN	69	9	IS		2235	33.180.350								1.0
LSK	HZ	69	9	IAML		2235	38.54			9	0.7				
NEST	HZ	110	27	IP		2235	31.39 1.83								1.0
NEST	HN	110	27	IS		2235	43.51-1.64								1.0
NEST	HZ	110	27	IAML		2235	50.56			8	0.5				

**December 23 2021 Hour: 22:43 2.4 Lat: 39.53N Lon: 20.51E D: 2.7 Ag: TIR Local**  
**Magnitudes: 1.3ML TIR Rms: 0.4 secs**  
**28 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	15	271	IP		2243	4.93-.140								1.0
IGT	HN	15	271	IS		2243	7.480.210								1.0
IGT	HZ	15	271	IAML		2243	7.86			76	0.1				
SRN	HZ	58	312	IP		2243	12.19-.560								1.0
SRN	HN	58	312	IS		2243	20.83-.340								1.0
SRN	HZ	58	312	IAML		2243	24.55			3	0.4				
KEK	HZ	64	289	IP		2243	13.45-.350								1.0
KEK	HN	64	289	IS		2243	23.710.640								1.0
KEK	HZ	64	289	IAML		2243	30.38			9	0.6				
LSK	HZ	69	7	IP		2243	14.790.070								1.0
LSK	HN	69	7	IS		2243	24.890.150								1.0
NEST	HZ	109	25	IP		2243	22.210.470								1.0
NEST	HN	109	25	IS		2243	37.31-.140								1.0
NEST	HZ	109	25	IAML		2243	43.12			3	0.5				

**December 24 2021 Hour: 1:17 11.0 Lat: 39.58N Lon: 20.70E D: 12.5 Ag: TIR Local**  
**Magnitudes: 4.4ML TIR Rms: 0.9 secs**  
**45 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	32	262	IP		117	17.840.730								1.0
IGT	HN	32	262	IS		117	22.710.650								1.0
IGT	HZ	32	262	IAML		117	27.75			16872	0.6				
LSK	HZ	65	352	IP		117	21.71-.810								1.0
LSK	HN	65	352	IS		117	32.480.630								1.0
LSK	HZ	65	352	IAML		117	38.03			8959	0.6				
SRN	HZ	69	300	IP		117	22.27-.950								1.0
SRN	HN	69	300	IS		117	31.37-1.74								1.0
SRN	HZ	69	300	IAML		117	32.15			10252	0.9				

KEK	HZ	79	282	IP	117	24.63-	.270									1.0
KEK	HN	79	282	IS	117	35.88-	.280									1.0
KEK	HZ	79	282	IAML	117	39.20		9580	0.6							
NEST	HZ	98	18	IP	117	28.150.	.060									1.0
NEST	HN	98	18	IS	117	41.25-	.680									1.0
NEST	HZ	98	18	IAML	117	46.24		3045	0.6							
KBN	HZ	117	4	IP	117	30.15-	1.07									1.0
KBN	HN	117	4	IS	117	48.460.	.870									1.0
KBN	HZ	117	4	IAML	118	7.33		1729	1.0							
VLO	HZ	143	314	IP	117	37.14	1.59									1.0
VLO	HN	143	314	IS	117	56.52	1.08									1.0
VLO	HZ	143	314	IAML	117	58.28		3201	0.8							
TIR	HZ	209	340	IP	117	45.220.	.290									0.9
TIR	HN	209	340	IS	118	12.22-	.180									0.9
TIR	HZ	209	340	IAML	118	32.29		737	0.8							
PHP	HZ	235	355	IP	117	49.090.	.760									0.9
PHP	HN	235	355	IS	118	19.84	1.28									0.9
PHP	HZ	235	355	IAML	118	32.30		650	0.8							
PUK	HZ	282	346	EP	117	54.34-	.050									0.8
SDA	HZ	293	340	EP	117	53.87-	1.77									0.8
BCI	HZ	315	350	IP	117	59.360.	.890									0.8
BCI	HN	315	350	IS	118	35.98-	.940									0.8
BCI	HZ	315	350	IAML	119	4.08		552	1.5							

**December 24 2021 Hour: 1:33 36.5 Lat: 39.64N Lon: 20.61E D: 19.9 Ag: TIR Local**  
**Magnitudes: 2.2ML TIR Rms: 0.8 secs**  
**37 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	26	244	IP		133	42.520.	.280							1.0
IGT	HN	26	244	IS		133	47.110.	.220							1.0
IGT	HZ	26	244	IAML		133	52.01		163	0.6					
LSK	HZ	57	359	IP		133	46.42-	.590							1.0
LSK	HN	57	359	IS		133	56.000.	.480							1.0
LSK	HZ	57	359	IAML		134	0.35		67	0.7					
SRN	HZ	59	298	IP		133	46.77-	.410							1.0
SRN	HN	59	298	IS		133	55.48-	.350							1.0
SRN	HZ	59	298	IAML		133	56.00		60	0.7					
KEK	HZ	70	277	EP		133	49.220.	.190							1.0
NEST	HZ	94	23	IP		133	52.35-	.770							1.0
NEST	HN	94	23	IS		134	5.75-	.810							1.0
NEST	HZ	94	23	IAML		134	8.71		25	0.3					
KBN	HZ	111	8	IP		133	54.96-	.850							1.0
KBN	HN	111	8	IS		134	13.42	1.97							1.0
KBN	HZ	111	8	IAML		134	19.68		8	0.8					
THL	HZ	121	93	EP		133	58.090.	.690							1.0

**December 24 2021 Hour: 1:55 41.2 Lat: 38.88N Lon: 20.63E D: 70.0 Ag: TIR Local**  
**Magnitudes: 3.5ML TIR Rms: 0.7 secs**  
**92 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	77	340	IP		155	56.44-	.260							1.0
IGT	HN	77	340	IS		156	8.86-	.420							1.0
IGT	HZ	77	340	IAML		156	9.46		2102	0.3					
KEK	HZ	117	322	IP		156	1.19-	.080							1.0
KEK	HN	117	322	IS		156	18.100.	.540							1.0
KEK	HZ	117	322	IAML		156	22.60		1348	0.3					
SRN	HZ	124	334	IP		156	1.90-	.120							1.0
SRN	HN	124	334	IS		156	18.51-	.400							1.0
SRN	HZ	124	334	IAML		156	34.05		209	0.3					
LSK	HZ	141	359	IP		156	4.580.	.330							1.0
LSK	HN	141	359	IS		156	23.790.	.840							1.0
LSK	HZ	141	359	IAML		156	44.23		277	0.8					
THL	HZ	142	57	EP		156	3.64-	.540							1.0
NEST	HZ	174	12	IP		156	8.860.	.520							0.9



NEST	HN	174	12	IS	156	29.41-	.940										0.9
NEST	HZ	174	12	IAML	156	31.59		281	0.3								
KBN	HZ	194	4	IP	156	12.08	1.31										0.9
KBN	HN	194	4	IS	156	36.26	1.51										0.9
KBN	HZ	194	4	IAML	156	42.89		96	1.0								
VLO	HZ	202	331	EP	156	11.890	.290										0.9
TIR	HZ	282	347	EP	156	21.680	.160										0.8
PHP	HZ	312	357	IP	156	25.18-	.120										0.8
PHP	HN	312	357	IS	156	59.96-	1.09										0.8
PHP	HZ	312	357	IAML	157	2.45		45	0.6								
PUK	HZ	357	350	IP	156	30.58-	.290										0.8
PUK	HZ	357	350	IAML	157	9.96		40	0.8								
PUK	HN	357	350	IS	157	10.08-	1.06										0.8
SDA	HZ	365	345	EP	156	30.72-	1.04										0.8

**December 24 2021 Hour: 2:17 37.8 Lat: 39.66N Lon: 20.64E D: 22.1 Ag: TIR Local**  
**Magnitudes: 1.2ML TIR Rms: 0.9 secs**

**39 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	30	242	IP		217	44.23-	.000							1.0
IGT	HN	30	242	IS		217	49.550	.100							1.0
IGT	HZ	30	242	IAML		217	52.15			9	0.3				
LSK	HZ	54	356	IP		217	45.83-	2.14							1.0
LSK	HN	54	356	IS		217	56.860	.630							1.0
LSK	HZ	54	356	IAML		217	58.55			6	0.6				
SRN	HZ	60	294	IP		217	49.170	.410							1.0
SRN	HN	60	294	IS		217	57.60-	.040							1.0
SRN	HZ	60	294	IAML		218	0.76			6	0.6				
NEST	HZ	91	23	IP		217	55.00	1.14							1.0
NEST	HN	91	23	IS		218	6.77-	.100							1.0
NEST	HZ	91	23	IAML		218	27.33			7	6.1				

**December 24 2021 Hour: 2:50 53.8 Lat: 39.63N Lon: 20.63E D: 23.6 Ag: TIR Local**  
**Magnitudes: 1.5ML TIR Rms: 0.3 secs**

**38 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	28	246	IP		251	0.02-	.070							1.0
IGT	HN	28	246	IS		251	5.17-	.050							1.0
IGT	HZ	28	246	IAML		251	7.20			25	0.3				
LSK	HZ	57	357	IP		251	4.22-	.230							1.0
LSK	HN	57	357	IS		251	13.570	.450							1.0
LSK	HZ	57	357	IAML		251	15.20			8	1.3				
SRN	HZ	60	297	IP		251	4.900	.030							1.0
SRN	HN	60	297	IS		251	13.44-	.430							1.0
SRN	HZ	60	297	IAML		251	36.88			7	1.1				
KEK	HZ	72	277	IP		251	6.720	.030							1.0
KEK	HN	72	277	IS		251	17.500	.330							1.0
KEK	HZ	72	277	IAML		251	27.60			11	0.5				
NEST	HZ	94	22	IP		251	10.590	.400							1.0
NEST	HN	94	22	IS		251	23.06-	.450							1.0
NEST	HZ	94	22	IAML		251	28.07			6	1.1				

**December 24 2021 Hour: 3:7 41.4 Lat: 39.61N Lon: 20.63E D: 16.9 Ag: TIR Local**  
**Magnitudes: 1.1ML TIR Rms: 0.4 secs**

**36 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	27	252	IP		3 7	47.030	.060							1.0
IGT	HN	27	252	IS		3 7	51.42-	.110							1.0
IGT	HZ	27	252	IAML		3 7	56.53			12	0.5				
LSK	HZ	60	357	IP		3 7	52.480	.260							1.0
LSK	HN	60	357	IS		3 8	1.700	.670							1.0
LSK	HZ	60	357	IAML		3 8	5.55			5	0.4				
SRN	HZ	62	299	IP		3 7	52.620	.140							1.0
SRN	HN	62	299	IS		3 8	0.73-	.770							1.0

SRN	HZ	62	299	IAML	3	8	3.09		3	0.3					
KEK	HZ	73	279	IP	3	7	54.290.050								1.0
KEK	HN	73	279	IS	3	8	5.060.380								1.0
KEK	HZ	73	279	IAML	3	8	19.74		15	1.2					
NEST	HZ	96	21	IP	3	7	58.01-.190								1.0
NEST	HN	96	21	IS	3	8	11.35-.490								1.0

**December 24 2021 Hour: 4:27 2.5 Lat: 39.64N Lon: 20.64E D: 25.9 Ag: TIR Local**  
**Magnitudes: 1.2ML TIR Rms: 0.7 secs**  
**39 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	29	246	IP		427	8.95-.230								1.0
IGT	HN	29	246	IS		427	14.670.120								1.0
IGT	HZ	29	246	IAML		427	15.21			9	0.6				
LSK	HZ	57	357	IP		427	12.74-.560								1.0
LSK	HN	57	357	IS		427	22.700.700								1.0
LSK	HZ	57	357	IAML		427	29.20			4	0.5				
SRN	HZ	61	297	IP		427	13.03-.770								1.0
SRN	HN	61	297	IS		427	22.43-.480								1.0
SRN	HZ	61	297	IAML		427	23.65			8	1.4				
KEK	HZ	73	277	IP		427	15.50-.120								1.0
KEK	HN	73	277	IS		427	27.050.840								1.0
KEK	HZ	73	277	IAML		427	30.84			12	0.9				
NEST	HZ	93	22	IP		427	20.25 1.31								1.0
NEST	HN	93	22	IS		427	31.41-.810								1.0

**December 24 2021 Hour: 5:13 50.5 Lat: 39.59N Lon: 20.67E D: 11.0 Ag: TIR Local**  
**Magnitudes: 2.9ML 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
IGT	HZ	30	257	IP		513	56.690.390								1.0
IGT	HN	30	257	IS		514	1.770.800								1.0
IGT	HZ	30	257	IAML		514	6.33			773	0.4				
LSK	HZ	62	354	IP		514	0.73-.920								1.0
LSK	HN	62	354	IS		514	10.930.290								1.0
LSK	HZ	62	354	IAML		514	17.02			249	0.5				
SRN	HZ	66	299	IP		514	1.30-.940								1.0
SRN	HN	66	299	IS		514	10.22-1.49								1.0
SRN	HZ	66	299	IAML		514	12.21			292	0.8				
KEK	HZ	76	280	IP		514	3.28-.710								1.0
KEK	HN	76	280	IS		514	14.900.020								1.0
KEK	HZ	76	280	IAML		514	18.44			392	0.5				
NEST	HZ	97	19	IP		514	7.530.130								1.0
NEST	HN	97	19	IS		514	20.56-.500								1.0
NEST	HZ	97	19	IAML		514	23.96			159	0.5				
KBN	HZ	115	5	IP		514	9.94-.470								1.0
KBN	HN	115	5	IS		514	27.360.850								1.0
KBN	HZ	115	5	IAML		514	30.34			50	1.0				
VLO	HZ	140	314	IP		514	15.89 1.33								1.0
VLO	HN	140	314	IS		514	34.870.850								1.0
VLO	HZ	140	314	IAML		514	42.38			95	0.4				
PHP	HZ	233	355	IP		514	28.300.580								0.9
PHP	HN	233	355	IS		514	57.940.100								0.9
PHP	HZ	233	355	IAML		515	7.76			18	1.5				

**December 24 2021 Hour: 6: 6 50.0 Lat: 39.63N Lon: 20.62E D: 10.0F Ag: TIR Local**  
**Magnitudes: 3.1ML TIR Rms: 0.9 secs**  
**39 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	27	246	EP		6	6	55.10-.100							1.0
IGT	HN	27	246	IS		6	6	59.830.430							1.0
IGT	HZ	27	246	IAML		6	7	4.61			1137	0.3			
LSK	HZ	57	358	IP		6	6	59.20-1.20							1.0
LSK	HN	57	358	IS		6	7	9.240.420							1.0

LSK	HZ	57	358	IAML	6	7	15.43			526	0.7					
SRN	HZ	60	297	IP	6	6	59.89-	.850								1.0
SRN	HN	60	297	IS	6	7	8.22-	1.22								1.0
SRN	HZ	60	297	IAML	6	7	8.85			703	1.2					
KEK	HZ	71	277	IP	6	7	2.03-	.610								1.0
KEK	HN	71	277	IS	6	7	12.61-	.270								1.0
KEK	HZ	71	277	IAML	6	7	17.00			672	0.6					
NEST	HZ	94	23	IP	6	7	5.95-	.580								1.0
NEST	HN	94	23	IS	6	7	18.41-	1.51								1.0
NEST	HZ	94	23	IAML	6	7	22.48			300	0.5					
KBN	HZ	111	7	IP	6	7	8.61-	.700								1.0
KBN	HN	111	7	IS	6	7	24.76-	.180								1.0
KBN	HZ	111	7	IAML	6	7	26.72			92	0.5					
THL	HZ	120	93	IP	6	7	11.410.	.640								1.0
VLO	HZ	134	314	IP	6	7	13.280.	.250								1.0
VLO	HN	134	314	IS	6	7	32.650.	.960								1.0
VLO	HZ	134	314	IAML	6	7	34.51			202	0.4					
TIR	HZ	201	342	IP	6	7	24.49	1.35								0.9
TIR	HZ	201	342	IAML	6	7	51.40			31	2.9					
TIR	HN	201	342	IS	6	7	51.79	1.81								0.9
PHP	HZ	228	356	IP	6	7	27.710.	.990								0.9
PHP	HN	228	356	IS	6	7	57.97	1.52								0.9
PHP	HZ	228	356	IAML	6	8	12.78			43	0.9					

**December 24 2021 Hour: 6:20 8.6 Lat: 39.24N Lon: 20.55E D: 10.0F Ag: TIR Local**  
**Magnitudes: 1.7ML TIR Rms: 0.8 secs**

**60 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	37	330	IP		620	14.24-	1.22							1.0
IGT	HN	37	330	IS		620	20.43-	.620							1.0
IGT	HZ	37	330	IAML		620	22.16			39	0.5				
KEK	HZ	83	309	IP		620	23.07-	.120							1.0
KEK	HN	83	309	IS		620	36.26	1.22							1.0
KEK	HZ	83	309	IAML		620	45.66			19	0.9				
SRN	HZ	85	327	IP		620	23.21-	.300							1.0
SRN	HE	85	327	IS		620	35.680.	.060							1.0
NEST	HZ	137	18	IP		620	33.28	1.04							1.0
NEST	HZ	137	18	IAML		620	59.64			4	0.5				

**December 24 2021 Hour: 9:4 59.3 Lat: 39.65N Lon: 20.63E D: 17.0 Ag: TIR Local**  
**Magnitudes: 1.2ML TIR Rms: 0.3 secs**

**38 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	29	242	EP		9	5	5.360.	.210						1.0
IGT	HE	29	242	ES		9	5	9.71-	.170						1.0
IGT	HZ	29	242	IAML		9	5	13.32		14	0.1				
LSK	HZ	55	357	EP		9	5	9.480.	.070						1.0
LSK	HN	55	357	ES		9	5	18.010.	.420						1.0
SRN	HZ	59	295	EP		9	5	9.70-	.320						1.0
SRN	HN	59	295	ES		9	5	18.66-	.020						1.0
SRN	HZ	59	295	IAML		9	5	22.14		6	0.3				
KEK	HZ	71	276	EP		9	5	12.110.	.090						1.0
KEK	HN	71	276	ES		9	5	22.29-	.020						1.0
KEK	HZ	71	276	IAML		9	5	25.12		23	0.7				
NEST	HZ	92	23	EP		9	5	15.830.	.360						1.0
NEST	HN	92	23	ES		9	5	27.92-	.630						1.0
NEST	HZ	92	23	IAML		9	5	30.58		4	0.5				

**December 24 2021 Hour: 9:11 27.0 Lat: 39.66N Lon: 20.62E D: 16.4 Ag: TIR Local**  
**Magnitudes: 1.4ML TIR Rms: 0.1 secs**  
**37 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	29	241	EP		911	32.62	-.110							1.0
IGT	HN	29	241	ES		911	37.450	.050							1.0
IGT	HZ	29	241	IAML		911	37.92			15	0.1				
LSK	HZ	55	358	EP		911	36.82	-.110							1.0
LSK	HN	55	358	ES		911	45.200	.190							1.0
LSK	HZ	55	358	IAML		911	48.83			9	0.4				
SRN	HZ	59	295	EP		911	37.48	-.050							1.0
SRN	HE	59	295	ES		911	46.07	-.020							1.0
KEK	HZ	71	275	EP		911	39.840	.270							1.0
KEK	HN	71	275	ES	C	911	49.62	-.150							1.0
KEK	HZ	71	275	IAML		911	52.87			23	0.8				
NEST	HZ	92	23	EP		911	43.170	.130							1.0
NEST	HE	92	23	ES		911	55.86	-.200							1.0
NEST	HZ	92	23	IAML		912	0.01			5	0.4				

**December 24 2021 Hour: 9:47 41.9 Lat: 39.63N Lon: 20.63E D: 23.5 Ag: TIR Local**  
**Magnitudes: 1.6ML TIR Rms: 0.2 secs**  
**38 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	28	246	EP		947	48.420	.200							1.0
IGT	HE	28	246	ES		947	53.02	-.300							1.0
IGT	HZ	28	246	IAML		947	53.79			29	0.2				
LSK	HZ	57	358	EP		947	52.54	-.090							1.0
LSK	HN	57	358	ES		948	1.370	.060							1.0
LSK	HZ	57	358	IAML		948	4.10			14	0.3				
SRN	HZ	60	297	EP		947	53.480	.460							1.0
SRN	HN	60	297	ES		948	2.020	.010							1.0
SRN	HZ	60	297	IAML		948	4.45			16	0.4				
KEK	HZ	72	277	EP		947	54.82	-.010							1.0
KEK	HE	72	277	ES		948	5.18	-.110							1.0
KEK	HZ	72	277	IAML		948	9.07			22	0.4				
NEST	HZ	94	22	EP		947	58.390	.000							1.0
NEST	HE	94	22	ES		948	11.52	-.210							1.0

**December 24 2021 Hour: 10:49 57.7 Lat: 39.63N Lon: 20.63E D: 23.2 Ag: TIR Local**  
**Magnitudes: 2.0ML TIR Rms: 0.3 secs**  
**38 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	28	247	EP		1050	4.280	.330							1.0
IGT	HN	28	247	ES		1050	8.83	-.200							1.0
IGT	HZ	28	247	IAML		1050	10.29			83	0.4				
LSK	HZ	58	357	EP		1050	8.11	-.330							1.0
LSK	HN	58	357	ES		1050	17.620	.470							1.0
LSK	HZ	58	357	IAML		1050	25.27			23	0.5				
SRN	HZ	61	297	EP		1050	8.58	-.250							1.0
SRN	HN	61	297	ES		1050	17.51	-.350							1.0
SRN	HZ	61	297	IAML		1050	18.74			23	0.2				
KEK	HZ	72	278	EP		1050	10.65	-.010							1.0
KEK	HE	72	278	ES		1050	21.580	.400							1.0
KEK	HZ	72	278	IAML		1050	26.68			41	0.5				
NEST	HZ	94	22	EP		1050	14.380	.170							1.0
NEST	HE	94	22	ES		1050	27.38	-.220							1.0
NEST	HZ	94	22	IAML		1050	30.98			20	0.6				

**December 24 2021 Hour: 11:49 29.7 Lat: 40.07N Lon: 20.78E D: 48.2 Ag: TIR Local**  
**Magnitudes: 2.0ML TIR Rms: 0.2 secs**  
**32 km S of Erseke**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LSK	HZ	18	299	EP		1149	37.74	-.340							1.0
LSK	HN	18	299	ES		1149	45.04	0.160							1.0
LSK	HZ	18	299	IAML		1149	53.09			42	0.1				
SRN	HZ	70	253	EP		1149	43.23	0.130							1.0
SRN	HN	70	253	ES		1149	54.04	0.080							1.0
IGT	HZ	71	213	EP		1149	43.44	0.150							1.0
IGT	HN	71	213	ES		1149	54.23	-.070							1.0
KEK	HZ	93	245	EP		1149	46.09	0.080							1.0
KEK	HN	93	245	ES		1149	59.03	-.200							1.0
KEK	HZ	93	245	IAML		1150	1.85			20	0.6				

**December 24 2021 Hour: 14:29 19.0 Lat: 39.65N Lon: 20.65E D: 17.1 Ag: TIR Local**  
**Magnitudes: 1.4ML TIR Rms: 0.2 secs**  
**39 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	30	244	EP		1429	24.97	-.080							1.0
IGT	HE	30	244	ES		1429	30.00	0.070							1.0
IGT	HZ	30	244	IAML		1429	32.58			19	0.2				
LSK	HZ	56	356	EP		1429	28.84	-.340							1.0
LSK	HN	56	356	ES		1429	37.33	-.070							1.0
KEK	HZ	73	276	EP		1429	31.82	-.160							1.0
KEK	HE	73	276	ES		1429	42.66	0.180							1.0
KEK	HZ	73	276	IAML		1429	46.52			28	0.9				
NEST	HZ	92	22	EP		1429	35.38	0.260							1.0
NEST	HN	92	22	ES		1429	48.27	0.120							1.0
NEST	HZ	92	22	IAML		1429	50.22			4	0.2				

**December 24 2021 Hour: 15:34 39.8 Lat: 40.94N Lon: 19.66E D: 42.2 Ag: TIR Local**  
**Magnitudes: 1.7ML TIR Rms: 0.7 secs**  
**3 km W of Lushnje**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PHP	HZ	106	38	EP		1534	58.17	0.470							1.0
PHP	HN	106	38	ES		1535	11.38	-.850							1.0
PHP	HZ	106	38	IAML		1535	14.16			4	0.4				
PUK	HZ	124	9	EP		1535	0.40	0.300							1.0
PUK	HE	124	9	ES		1535	16.18	-.390							1.0
PUK	HZ	124	9	IAML		1535	21.58			2	0.2				
NEST	HZ	131	116	EP		1535	1.16	0.140							1.0
NEST	HE	131	116	ES		1535	18.76	0.520							1.0
NEST	HZ	131	116	IAML		1535	22.81			5	1.3				
KEK	HZ	137	175	EP		1535	2.29	0.680							1.0
KEK	HE	137	175	ES		1535	18.16	-1.14							1.0
KEK	HZ	137	175	IAML		1535	20.34			8	0.2				
IGT	HZ	166	160	EP		1535	6.57	1.14							0.9
IGT	HN	166	160	ES		1535	25.38	-.840							0.9
IGT	HZ	166	160	IAML		1535	29.39			6	1.2				

**December 24 2021 Hour: 21:56 17.2 Lat: 39.64N Lon: 20.60E D: 23.5 Ag: TIR Local**  
**Magnitudes: 1.3ML TIR Rms: 0.4 secs**  
**35 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	26	242	EP		2156	23.48	0.210							1.0
IGT	HE	26	242	ES		2156	27.94	-.220							1.0
IGT	HZ	26	242	IAML		2156	28.94			16	0.1				
LSK	HZ	57	0	EP		2156	27.58	-.250							1.0
LSK	HN	57	0	ES		2156	36.43	0.020							1.0
LSK	HZ	57	0	IAML		2156	40.87			6	0.6				
SRN	HZ	58	298	EP		2156	28.29	0.370							1.0
SRN	HN	58	298	ES		2156	36.96	0.380							1.0

SRN	HZ	58	298	IAML	2156	38.05		6	0.5											
KEK	HZ	69	277	EP	2156	30.310.580														1.0
KEK	HN	69	277	ES	2156	39.03-.830														1.0
KEK	HZ	69	277	IAML	2156	43.92		24	1.1											
NEST	HZ	94	24	EP	2156	33.50-.260														1.0

**December 24 2021 Hour: 23:34 58.0 Lat: 40.74N Lon: 20.35E D: 31.6 Ag: TIR Local**  
**Magnitudes: 1.7ML TIR 2.4MW TIR Rms: 0.5 secs**

**19 km SE of Gramsh**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KBN	HZ	39	109	EP		2335	6.28-.300								1.0
KBN	HN	39	109	ES		2335	13.750.250								1.0
KBN	HZ	39	109	IAML		2335	23.10			9	0.9				
LSK	HZ	69	162	EP		2335	10.78-.020								1.0
LSK	HN	69	162	ES		2335	21.14-.000								1.0
LSK	HZ	69	162	IAML		2335	34.02			11	2.0				
NEST	HZ	69	121	EP		2335	11.170.290								1.0
NEST	HZ	69	121	IAML		2335	27.63			9	3.8				
SRN	HZ	100	197	EP		2335	15.560.060								1.0
SRN	HN	100	197	ES		2335	29.45-.190								1.0
SRN	HZ	100	197	IAML		2335	46.01			11	1.5				
KEK	HZ	123	203	EP		2335	19.750.720								1.0
KEK	HN	123	203	ES		2335	36.430.400								1.0
KEK	HZ	123	203	IAML		2335	56.91			39	1.4				
IGT	HZ	134	181	EP		2335	19.19-1.22								1.0
IGT	HZ	134	181	IAML		2336	3.32			14	2.4				

**December 24 2021 Hour: 23:37 20.0 Lat: 40.76N Lon: 20.21E D: 12.4 Ag: TIR Local**  
**Magnitudes: 1.6ML TIR 2.3MW TIR Rms: 0.5 secs**

**11 km S of Gramsh**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BPA2	HZ	50	266	EP		2337	28.38-.720								1.0
BPA2	HN	50	266	ES		2337	36.710.240								1.0
KBN	HZ	51	107	EP		2337	28.90-.350								1.0
KBN	HN	51	107	ES		2337	37.520.780								1.0
KBN	HZ	51	107	IAML		2337	39.49			14	0.5				
LSK	HZ	75	154	EP		2337	33.12-.210								1.0
LSK	HN	75	154	ES		2337	43.23-.900								1.0
LSK	HZ	75	154	IAML		2338	0.86			10	2.5				
NEST	HZ	81	118	EP		2337	33.76-.440								1.0
SRN	HZ	100	191	EP		2337	37.340.050								1.0
SRN	HN	100	191	ES		2337	51.03-.270								1.0
SRN	HZ	100	191	IAML		2338	3.93			11	3.0				
KEK	HZ	122	197	EP		2337	41.750.760								1.0
KEK	HN	122	197	ES		2337	58.120.120								1.0
KEK	HZ	122	197	IAML		2338	38.61			32	1.3				
IGT	HZ	137	176	EP		2337	44.56 1.03								1.0
IGT	HN	137	176	ES		2338	2.630.050								1.0
IGT	HZ	137	176	IAML		2338	16.11			13	3.0				
PUK	HZ	145	349	EP		2337	44.85-.050								1.0
PUK	HZ	145	349	IAML		2338	46.08			4	1.7				

**December 25 2021 Hour: 1:51 34.4 Lat: 39.73N Lon: 20.67E D: 22.7 Ag: TIR Local**  
**Magnitudes: 1.0ML TIR Rms: 0.2 secs**

**42 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	37	233	EP		151	41.72-.120								1.0
IGT	HE	37	233	ES		151	48.090.230								1.0
IGT	HZ	37	233	IAML		151	50.99			6	0.2				
LSK	HZ	47	352	EP		151	43.44-.030								1.0
LSK	HN	47	352	ES		151	50.64-.170								1.0
LSK	HZ	47	352	IAML		151	59.06			5	0.8				
SRN	HZ	60	286	EP		151	45.35-.050								1.0
SRN	HN	60	286	ES		151	54.600.280								1.0

KEK	HZ	75	269	EP		151	47.39-	.460										1.0
NEST	HZ	83	23	EP		151	49.340.	.200										1.0
NEST	HN	83	23	ES		152	1.180.	.110										1.0

**December 25 2021 Hour: 3:19 43.0 Lat: 39.66N Lon: 20.61E D: 14.5 Ag: TIR Local**  
**Magnitudes: 1.1ML TIR Rms: 0.4 secs**

**36 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	28	239	EP		319	48.55-	.050							1.0
IGT	HN	28	239	ES		319	53.09-	.020							1.0
IGT	HZ	28	239	IAML		319	56.89			9	0.2				
LSK	HZ	54	359	EP		319	52.950.	.060							1.0
LSK	HN	54	359	ES		320	1.210.	.340							1.0
LSK	HZ	54	359	IAML		320	2.31			4	0.4				
SRN	HZ	58	295	EP		319	53.950.	.530							1.0
SRN	HE	58	295	ES		320	1.990.	.160							1.0
SRN	HZ	58	295	IAML		320	4.78			8	1.1				
KEK	HZ	70	275	EP		319	55.640.	.170							1.0
KEK	HN	70	275	ES		320	4.83-	.710							1.0
NEST	HZ	92	24	EP		319	59.300.	.220							1.0
NEST	HN	92	24	ES		320	11.38-	.700							1.0
NEST	HZ	92	24	IAML		320	17.62			4	0.9				

**December 25 2021 Hour: 4:28 22.8 Lat: 39.72N Lon: 20.72E D: 11.1 Ag: TIR Local**  
**Magnitudes: 1.2ML TIR Rms: 0.7 secs**

**47 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	39	238	EP		428	29.91-	.110							1.0
IGT	HE	39	238	ES		428	35.62-	.270							1.0
IGT	HZ	39	238	IAML		428	39.19			5	0.5				
LSK	HZ	49	348	EP		428	32.060.	.390							1.0
LSK	HN	49	348	ES		428	39.650.	.760							1.0
LSK	HZ	49	348	IAML		428	47.28			6	1.1				
SRN	HZ	64	286	EP		428	33.98-	.170							1.0
SRN	HN	64	286	ES		428	42.59-	.790							1.0
SRN	HZ	64	286	IAML		428	49.56			9	1.3				
KEK	HZ	79	270	EP		428	37.73	1.08							1.0
NEST	HZ	82	20	EP		428	37.430.	.210							1.0
NEST	HE	82	20	ES		428	47.84-	1.09							1.0
NEST	HZ	82	20	IAML		428	56.10			11	2.0				

**December 25 2021 Hour: 4:33 50.7 Lat: 39.73N Lon: 20.64E D: 25.1 Ag: TIR Local**  
**Magnitudes: 1.4ML TIR Rms: 0.4 secs**

**39 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	34	229	EP		433	58.090.	.080							1.0
IGT	HN	34	229	ES		434	3.930.	.000							1.0
IGT	HZ	34	229	IAML		434	7.64			29	0.5				
LSK	HZ	46	356	EP		433	59.77-	.040							1.0
LSK	HN	46	356	ES		434	6.86-	.320							1.0
LSK	HZ	46	356	IAML		434	9.80			13	0.6				
SRN	HZ	57	287	EP		434	1.14-	.160							1.0
SRN	HN	57	287	ES		434	10.740.	.870							1.0
SRN	HZ	57	287	IAML		434	13.19			5	0.2				
KEK	HZ	72	268	EP		434	3.34-	.320							1.0
KEK	HE	72	268	ES		434	13.63-	.520							1.0
KEK	HZ	72	268	IAML		434	17.58			13	0.7				
NEST	HZ	83	25	EP		434	6.250.	.690							1.0
NEST	HE	83	25	IS		434	17.31-	.280							1.0
NEST	HZ	83	25	IAML		434	20.38			4	0.3				

**December 25 2021 Hour: 4:55 48.1 Lat: 39.63N Lon: 20.64E D: 19.6 Ag: TIR Local**  
**Magnitudes: 1.5ML TIR 1.5MW TIR Rms: 0.4 secs**  
**39 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	29	247	EP		455	54.550	.430							1.0
IGT	HN	29	247	ES		455	58.75	-.250							1.0
IGT	HZ	29	247	IAML		456	39.63			12	2.1				
LSK	HZ	57	357	EP		455	58.850	.240							1.0
LSK	HN	57	357	ES		456	7.170	.040							1.0
LSK	HZ	57	357	IAML		456	29.18			10	2.3				
SRN	HZ	61	297	EP		455	59.780	.640							1.0
SRN	HN	61	297	ES		456	8.01	-.080							1.0
SRN	HZ	61	297	IAML		456	34.73			12	1.7				
KEK	HZ	73	277	EP		456	0.61	-.420							1.0
KEK	HE	73	277	ES		456	11.39	-.120							1.0
KEK	HZ	73	277	IAML		456	38.90			25	1.7				
NEST	HZ	94	22	EP		456	4.05	-.490							1.0
NEST	HZ	94	22	IAML		456	50.03			8	2.8				

**December 25 2021 Hour: 5:35 54.2 Lat: 39.75N Lon: 20.66E D: 14.3 Ag: TIR Local**  
**Magnitudes: 1.0ML TIR Rms: 0.5 secs**  
**40 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	37	230	EP		536	0.96	-.200							1.0
IGT	HE	37	230	ES		536	6.81	-.010							1.0
IGT	HZ	37	230	IAML		536	7.86			4	0.1				
LSK	HZ	45	353	EP		536	2.740	.280							1.0
LSK	HN	45	353	ES		536	9.420	.240							1.0
LSK	HZ	45	353	IAML		536	13.47			6	0.3				
SRN	HZ	59	285	EP		536	5.050	.400							1.0
SRN	HE	59	285	ES		536	13.450	.300							1.0
SRN	HZ	59	285	IAML		536	16.00			4	0.4				
KEK	HZ	74	267	EP		536	7.730	.460							1.0
KEK	HN	74	267	ES		536	16.89	-.990							1.0
NEST	HZ	81	24	EP		536	8.910	.470							1.0
NEST	HE	81	24	ES		536	19.06	-.950							1.0
NEST	HZ	81	24	IAML		536	23.74			4	0.9				

**December 25 2021 Hour: 6:19 27.5 Lat: 41.78N Lon: 20.12E D: 20.2 Ag: TIR Local**  
**Magnitudes: 1.5ML TIR Rms: 0.7 secs**  
**20 km E of Reshen**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PHP	HZ	29	112	EP		619	33.59	-.010							1.0
PHP	HN	29	112	ES		619	38.49	-.070							1.0
PHP	HZ	29	112	IAML		619	39.57			17	0.2				
PUK	HZ	35	327	EP		619	34.49	-.060							1.0
PUK	HN	35	327	ES		619	39.70	-.570							1.0
PUK	HZ	35	327	IAML		619	41.64			29	0.1				
SDA	HZ	60	300	EP		619	38.09	-.270							1.0
SDA	HN	60	300	ES		619	47.380	.210							1.0
SDA	HZ	60	300	IAML		619	49.18			13	0.1				
BCI	HZ	65	356	EP		619	40.89	1.59							1.0
BCI	HE	65	356	ES		619	48.07	-.800							1.0
BCI	HZ	65	356	IAML		619	50.69			8	0.2				
PDG	HN	101	316	ES		619	59.590	.030							1.0
NEST	HZ	170	153	EP		619	56.74	1.02							0.9
NEST	HE	170	153	ES		620	17.51	-1.07							0.9
NEST	HZ	170	153	IAML		620	23.64			3	0.6				



**December 25 2021 Hour: 8:40 57.0 Lat: 42.87N Lon: 18.97E D: 5.1 Ag: TIR Local**  
**Magnitudes: 2.1ML TIR Rms: 0.8 secs**  
**77 km NW of Koplík**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PDG	HZ	55	154	EP		841	6.35	-.460							1.0
PDG	HN	55	154	ES		841	13.96	-.820							1.0
PDG	HZ	55	154	IAML		841	18.36			53	0.4				
SDA	HZ	101	154	EP		841	14.32	-.640							1.0
SDA	HN	101	154	ES		841	31.30	1.77							1.0
BCI	HZ	106	122	EP		841	16.280	.470							1.0
BCI	HN	106	122	ES		841	30.66	-.420							1.0
BCI	HZ	106	122	IAML		841	35.68			38	0.6				
PUK	HZ	120	140	EP		841	18.170	.120							1.0
PUK	HN	120	140	ES		841	35.03	-.090							1.0
PUK	HZ	120	140	IAML		841	38.87			13	0.4				
PHP	HZ	180	137	EP		841	28.550	.550							0.9
PHP	HE	180	137	ES		841	53.600	.450							0.9
PHP	HZ	180	137	IAML		841	59.92			7	0.4				
NEST	HZ	323	147	EP		841	47.100	.570							0.8
NEST	HE	323	147	ES		842	24.90	-1.78							0.8
NEST	HZ	323	147	IAML		842	50.43			8	1.5				

**December 25 2021 Hour: 9:38 1.3 Lat: 39.10N Lon: 21.17E D: 10.0F Ag: TIR Local**  
**Magnitudes: 2.1ML TIR Rms: 0.3 secs**  
**105 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	87	304	EP		938	16.28	-.310							1.0
IGT	HN	87	304	ES		938	28.40	-.550							1.0
IGT	HZ	87	304	IAML		938	32.78			7	0.2				
THL	HZ	89	54	EP		938	16.70	-.210							1.0
THL	HN	89	54	ES		938	29.790	.250							1.0
SRN	HZ	133	311	EP		938	24.440	.210							1.0
SRN	HE	133	311	ES		938	42.970	.180							1.0
KEK	HZ	136	300	EP		938	25.350	.500							1.0
KEK	HN	136	300	ES		938	44.260	.350							1.0
KEK	HZ	136	300	IAML		938	49.85			19	0.8				
NEST	HZ	146	356	EP		938	26.08	-.440							1.0
NEST	HE	146	356	ES		938	47.010	.080							1.0
NEST	HZ	146	356	IAML		938	57.35			12	1.2				

**December 25 2021 Hour: 14: 8 8.9 Lat: 39.57N Lon: 20.20E D: 34.7 Ag: TIR Local**  
**Magnitudes: 1.4ML TIR Rms: 0.8 secs**  
**10 km S of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	12	107	EP		14 8	16.25	1.13							1.0
IGT	HN	12	107	ES		14 8	19.44	-.720							1.0
IGT	HZ	12	107	IAML		14 8	22.39			11	0.3				
KEK	HZ	38	296	EP		14 8	18.230	.710							1.0
KEK	HN	38	296	ES		14 8	23.81	-.700							1.0
KEK	HZ	38	296	IAML		14 8	25.98			26	0.8				
SRN	HZ	39	334	EP		14 8	16.72	-.880							1.0
SRN	HE	39	334	ES		14 8	25.430	.780							1.0
SRN	HZ	39	334	IAML		14 8	28.63			12	0.3				
NEST	HZ	119	37	EP		14 8	28.84	-.330							1.0

**December 25 2021 Hour: 18:55 4.4 Lat: 39.74N Lon: 20.65E D: 16.2 Ag: TIR Local**  
**Magnitudes: 1.2ML TIR Rms: 0.5 secs**  
**40 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	35	230	EP		1855	10.73	-.470							1.0
IGT	HN	35	230	ES		1855	16.960	.250							1.0
IGT	HZ	35	230	IAML		1855	18.45			8	0.1				
LSK	HZ	46	355	EP		1855	12.34	-.590							1.0

LSK	HN	46	355	ES		1855	20.210.370											1.0
LSK	HZ	46	355	IAML		1855	25.79		10	0.8								
SRN	HZ	58	286	EP		1855	15.300.540											1.0
SRN	HN	58	286	ES		1855	23.220.060											1.0
SRN	HZ	58	286	IAML		1855	26.30		4	0.2								
KEK	HZ	73	268	EP		1855	17.380.080											1.0
KEK	HN	73	268	ES		1855	27.29-.450											1.0
KEK	HZ	73	268	IAML		1855	28.99		22	1.2								
NEST	HZ	83	24	EP		1855	19.870.890											1.0
NEST	HE	83	24	ES		1855	30.12-.670											1.0
NEST	HZ	83	24	IAML		1855	34.84		4	0.6								

**December 25 2021 Hour: 19:27 55.3 Lat: 39.67N Lon: 20.64E D: 11.1 Ag: TIR Local**  
**Magnitudes: 1.3ML TIR Rms: 0.6 secs**  
**38 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT			
IGT	HZ	31	239	EP		1928	1.07-.130								1.0			
IGT	HE	31	239	ES		1928	5.85-.110								1.0			
IGT	HZ	31	239	IAML		1928	8.65		12	0.2								
LSK	HZ	53	356	EP		1928	5.240.340											1.0
LSK	HN	53	356	ES		1928	13.350.700											1.0
SRN	HZ	59	293	EP		1928	6.180.240											1.0
SRN	HN	59	293	ES		1928	14.29-.240											1.0
SRN	HZ	59	293	IAML		1928	16.57		14	0.9								
KEK	HZ	72	274	EP		1928	8.09-.030											1.0
KEK	HN	72	274	ES		1928	18.30-.180											1.0
KEK	HZ	72	274	IAML		1928	25.72		22	0.9								
NEST	HZ	89	23	EP		1928	11.870.910											1.0
NEST	HN	89	23	ES		1928	22.13-1.50											1.0
NEST	HZ	89	23	IAML		1928	27.32		3	0.3								

**December 25 2021 Hour: 20:19 4.1 Lat: 39.39N Lon: 20.69E D: 1.1 Ag: TIR Local**  
**Magnitudes: 1.6ML TIR Rms: 0.5 secs**  
**53 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT			
IGT	HZ	35	298	EP		2019	9.96-.380								1.0			
IGT	HN	35	298	ES		2019	15.480.100								1.0			
IGT	HZ	35	298	IAML		2019	20.26		23	0.4								
SRN	HZ	81	313	EP		2019	17.74-.790								1.0			
SRN	HN	81	313	ES		2019	29.71-.480								1.0			
SRN	HZ	81	313	IAML		2019	34.08		11	1.3								
KEK	HZ	85	296	EP		2019	19.560.290								1.0			
KEK	HN	85	296	ES		2019	32.230.700								1.0			
KEK	HZ	85	296	IAML		2019	34.85		20	0.8								
LSK	HZ	85	355	EP		2019	19.720.410								1.0			
LSK	HZ	85	355	IAML		2019	33.37		22	2.1								
NEST	HZ	118	15	EP		2019	25.380.160								1.0			
NEST	HZ	118	15	IAML		2019	52.81		7	1.2								

**December 25 2021 Hour: 20:35 50.9 Lat: 40.01N Lon: 20.31E D: 5.8 Ag: TIR Local**  
**Magnitudes: 1.3ML TIR Rms: 0.7 secs**  
**4 km SE of Libohove**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT			
LSK	HZ	29	58	EP		2035	56.02-.200								1.0			
LSK	HN	29	58	ES		2036	0.19-.370								1.0			
LSK	HZ	29	58	IAML		2036	3.04		21	0.6								
SRN	HZ	30	241	EP		2035	55.87-.450								1.0			
SRN	HN	30	241	ES		2036	1.190.450								1.0			
SRN	HZ	30	241	IAML		2036	3.04		13	1.3								
IGT	HZ	53	178	EP		2035	59.06-1.36								1.0			
IGT	HN	53	178	ES		2036	8.970.810								1.0			
NEST	HZ	77	54	EP		2036	5.650.910								1.0			
NEST	HN	77	54	ES		2036	16.170.190								1.0			
NEST	HZ	77	54	IAML		2036	17.76		14	1.5								

**December 25 2021 Hour: 21:30 46.1 Lat: 39.65N Lon: 20.63E D: 18.9 Ag: TIR Local**  
**Magnitudes: 1.6ML TIR Rms: 0.3 secs**  
**38 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	29	242	EP		2130	52.01	-.120							1.0
IGT	HN	29	242	ES		2130	57.04	0.070							1.0
IGT	HZ	29	242	IAML		2130	59.36			39	0.2				
LSK	HZ	55	357	EP		2130	55.91	-.390							1.0
LSK	HN	55	357	ES		2131	4.69	0.170							1.0
SRN	HZ	59	295	EP		2130	56.77	-.130							1.0
SRN	HN	59	295	ES		2131	5.28	-.320							1.0
SRN	HZ	59	295	IAML		2131	6.88			12	0.4				
KEK	HZ	71	276	EP		2130	58.67	-.220							1.0
KEK	HE	71	276	ES		2131	9.76	0.550							1.0
KEK	HZ	71	276	IAML		2131	12.14			19	0.4				
NEST	HZ	92	23	EP		2131	2.78	0.460							1.0
NEST	HE	92	23	ES		2131	15.35	-.070							1.0
NEST	HZ	92	23	IAML		2131	19.25			6	0.6				

**December 25 2021 Hour: 22:1 37.1 Lat: 39.36N Lon: 20.51E D: 10.6 Ag: TIR Local**  
**Magnitudes: 1.7ML TIR Rms: 0.7 secs**  
**43 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	25	321	EP		22 1	41.86	-.020							1.0
IGT	HE	25	321	ES		22 1	45.56	-.200							1.0
SRN	HZ	72	323	EP		22 1	49.86	-.040							1.0
SRN	HE	72	323	ES		22 1	58.99	-1.28							1.0
SRN	HZ	72	323	IAML		22 2	1.52			9	0.2				
KEK	HZ	73	303	EP		22 1	49.99	0.030							1.0
KEK	HN	73	303	ES		22 2	0.83	0.450							1.0
KEK	HZ	73	303	IAML		22 2	7.78			43	0.4				
LSK	HZ	88	5	EP		22 1	53.90	1.35							1.0
LSK	HN	88	5	ES		22 2	6.14	1.08							1.0
NEST	HZ	126	21	EP		22 1	59.07	0.220							1.0
NEST	HN	126	21	ES		22 2	15.44	-1.03							1.0
NEST	HZ	126	21	IAML		22 2	25.21			7	0.2				
THL	HZ	131	80	EP		22 1	59.17	-.560							1.0
THL	HE	131	80	ES		22 2	17.98	-.080							1.0

**December 26 2021 Hour: 0:36 6.4 Lat: 39.69N Lon: 20.59E D: 11.1 Ag: TIR Local**  
**Magnitudes: 1.0ML TIR Rms: 0.6 secs**  
**34 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	28	231	EP		036	11.63	-.120							1.0
IGT	HE	28	231	IS		036	15.95	-.170							1.0
IGT	HE	28	231	ES		036	15.95	-.170							1.0
IGT	HZ	28	231	IAML		036	18.06			10	0.3				
LSK	HZ	51	1	EP		036	15.65	0.030							1.0
LSK	HN	51	1	ES		036	23.34	0.210							1.0
SRN	HZ	54	293	EP		036	16.61	0.480							1.0
SRN	HE	54	293	ES		036	23.87	-.180							1.0
NEST	HZ	90	26	EP		036	23.14	1.08							1.0
NEST	HE	90	26	ES		036	33.62	-1.15							1.0

**December 26 2021 Hour: 9:40 8.6 Lat: 39.68N Lon: 20.61E D: 17.5 Ag: TIR Local**  
**Magnitudes: 1.5ML TIR Rms: 0.1 secs**  
**37 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	29	236	EP		940	14.59	0.090							1.0
IGT	HE	29	236	ES		940	19.24	-.070							1.0
IGT	HZ	29	236	IAML		940	20.78			24	0.1				
LSK	HZ	52	358	EP		940	18.17	-.020							1.0
LSK	HN	52	358	ES		940	26.16	0.160							1.0

SRN	HZ	57	293	EP	940	18.980	.070								1.0
SRN	HN	57	293	ES	940	27.330	.020								1.0
SRN	HZ	57	293	IAML	940	30.50		17	0.5						
KEK	HZ	70	273	EP	940	21.00	-.050								1.0
KEK	HE	70	273	ES	940	31.08	-.100								1.0
KEK	HZ	70	273	IAML	940	37.21		26	0.7						
NEST	HZ	90	24	EP	940	24.520	.180								1.0
NEST	HN	90	24	ES	940	36.85	-.280								1.0
NEST	HZ	90	24	IAML	940	41.19		5	0.3						

**December 26 2021 Hour: 12:14 52.5 Lat: 40.11N Lon: 19.77E D: 6.8 Ag: TIR Local**  
**Magnitudes: 1.9ML TIR Rms: 0.2 secs**  
**4 km NE of Himare**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRN	HZ	32	143	EP		1214	58.580	.170							1.0
SRN	HN	32	143	ES		1215	3.240	.040							1.0
SRN	HZ	32	143	IAML		1215	3.99			38	0.3				
KEK	HZ	45	177	EP		1215	0.900	.350							1.0
KEK	HE	45	177	ES		1215	6.64	-.430							1.0
KEK	HZ	45	177	IAML		1215	11.65			50	0.6				
IGT	HZ	80	143	EP		1215	6.910	.030							1.0
IGT	HE	80	143	ES		1215	18.640	.100							1.0
IGT	HZ	80	143	IAML		1215	29.97			18	1.2				
NEST	HZ	114	72	EP		1215	12.20	-.260							1.0
NEST	HE	114	72	ES		1215	28.62	-.010							1.0
NEST	HZ	114	72	IAML		1215	41.48			21	2.0				

**December 26 2021 Hour: 13: 3 23.0 Lat: 39.38N Lon: 20.77E D: 15.4 Ag: TIR Local**  
**Magnitudes: 2.3ML TIR Rms: 0.3 secs**  
**58 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	41	295	EP		13 3	31.130	.430							1.0
IGT	HE	41	295	ES		13 3	37.040	.140							1.0
IGT	HZ	41	295	IAML		13 3	38.68			242	0.2				
SRN	HZ	86	310	EP		13 3	38.03	-.080							1.0
SRN	HN	86	310	ES		13 3	50.09	-.230							1.0
SRN	HZ	86	310	IAML		13 3	52.30			40	0.3				
LSK	HZ	87	351	EP		13 3	38.560	.280							1.0
LSK	HN	87	351	ES		13 3	50.700	.060							1.0
LSK	HZ	87	351	IAML		13 3	52.97			72	0.6				
KEK	HZ	91	294	EP		13 3	39.030	.080							1.0
KEK	HN	91	294	ES		13 3	51.43	-.410							1.0
KEK	HZ	91	294	IAML		13 3	54.28			53	0.1				
THL	HZ	109	79	EP		13 3	42.240	.240							1.0
THL	HE	109	79	ES		13 3	57.09	-.270							1.0
NEST	HZ	117	12	EP		13 3	42.98	-.420							1.0
NEST	HE	117	12	ES		13 4	0.080	.180							1.0
NEST	HZ	117	12	IAML		13 4	1.78			25	0.3				
KBN	HZ	138	1	EP		13 3	46.44	-.390							1.0
KBN	HE	138	1	ES		13 4	6.310	.200							1.0
KBN	HZ	138	1	IAML		13 4	12.69			19	0.6				
BERA	HZ	163	335	EP		13 3	50.910	.250							0.9
BERA	HN	163	335	ES		13 4	12.98	-.050							0.9

**December 26 2021 Hour: 13:57 7.5 Lat: 40.75N Lon: 19.91E D: 19.6 Ag: TIR Local**  
**Magnitudes: 1.9ML TIR Rms: 0.3 secs**  
**3 km SE of Ura-Vajgurore**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VLO	HZ	47	229	EP		1357	16.22	-.050							1.0
VLO	HN	47	229	ES		1357	23.35	-.030							1.0
VLO	HZ	47	229	IAML		1357	24.22			129	0.3				
KBN	HZ	75	100	EP		1357	20.80	-.120							1.0
KBN	HN	75	100	ES		1357	32.240	.440							1.0
KBN	HZ	75	100	IAML		1357	33.83			6	0.2				

LSK	HZ	88	138	EP	1357	23.090.020									1.0
LSK	HN	88	138	ES	1357	35.66-.020									1.0
LSK	HZ	88	138	IAML	1357	45.02			25	0.5					
SRN	HZ	97	175	EP	1357	24.36-.010									1.0
SRN	HE	97	175	ES	1357	37.88-.170									1.0
SRN	HZ	97	175	IAML	1357	43.19			14	0.4					
NEST	HZ	103	111	EP	1357	24.53-.990									1.0
NEST	HN	103	111	ES	1357	40.13-.000									1.0
NEST	HZ	103	111	IAML	1357	44.86			14	0.2					
PHP	HZ	113	23	EP	1357	27.430.250									1.0
PHP	HE	113	23	ES	1357	43.460.330									1.0
PHP	HZ	113	23	IAML	1357	50.14			10	0.3					
KEK	HZ	115	185	EP	1357	27.31-.160									1.0
KEK	HN	115	185	ES	1357	44.380.730									1.0
KEK	HZ	115	185	IAML	1357	50.65			38	0.7					
IGT	HZ	139	165	EP	1357	31.28-.020									1.0
IGT	HE	139	165	ES	1357	50.630.040									1.0
PUK	HZ	144	359	EP	1357	32.170.120									1.0
PUK	HZ	144	359	IAML	1357	55.51			9	0.5					
BCI	HZ	180	4	EP	1357	36.62-.370									0.9

**December 26 2021 Hour: 14:11 1.2 Lat: 39.46N Lon: 21.03E D: 8.5 Ag: TIR Local**  
**Magnitudes: 2.0ML TIR Rms: 0.6 secs**  
**76 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	61	278	EP		1411	12.460.310								1.0
IGT	HZ	61	278	IAML		1411	13.63			73	0.0				
SRN	HZ	100	298	EP		1411	18.29-.460								1.0
SRN	HN	100	298	ES		1411	32.31-.670								1.0
SRN	HZ	100	298	IAML		1411	34.21			11	0.6				
NEST	HZ	106	1	EP		1411	19.02-.790								1.0
NEST	HE	106	1	ES		1411	35.580.680								1.0
NEST	HZ	106	1	IAML		1411	35.65			11	0.6				
KEK	HZ	110	285	EP		1411	20.980.620								1.0
KEK	HN	110	285	ES		1411	36.220.330								1.0
KEK	HZ	110	285	IAML		1411	40.61			34	0.6				

**December 26 2021 Hour: 14:16 50.6 Lat: 39.69N Lon: 20.56E D: 13.2 Ag: TIR Local**  
**Magnitudes: 1.4ML TIR Rms: 0.2 secs**  
**32 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	27	228	EP		1416	55.59-.250								1.0
IGT	HN	27	228	ES		1417	0.220.130								1.0
IGT	HZ	27	228	IAML		1417	3.91			13	0.3				
LSK	HZ	51	3	EP		1417	0.170.290								1.0
LSK	HN	51	3	ES		1417	7.34-.060								1.0
SRN	HZ	53	294	EP		1417	0.330.260								1.0
SRN	HN	53	294	ES		1417	7.57-.180								1.0
SRN	HZ	53	294	IAML		1417	10.23			11	1.2				
NEST	HZ	90	27	EP		1417	6.25-.190								1.0
NEST	HZ	90	27	IAML		1417	25.65			15	1.7				

**December 26 2021 Hour: 21:24 59.1 Lat: 39.68N Lon: 20.61E D: 11.1 Ag: TIR Local**  
**Magnitudes: 1.3ML TIR Rms: 0.3 secs**  
**36 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	29	237	EP		2125	4.60-.040								1.0
IGT	HE	29	237	ES		2125	9.13-.010								1.0
IGT	HZ	29	237	IAML		2125	10.18			18	0.1				
LSK	HZ	53	359	EP		2125	8.55-.060								1.0
LSK	HN	53	359	ES		2125	16.530.210								1.0
LSK	HN	53	359	E		2125	16.53								
LSK	HZ	53	359	IAML		2125	20.21			6	0.6				
SRN	HZ	57	293	EP		2125	9.23-.080								1.0

SRN	HE	57	293	ES		2125	17.660.070										1.0
SRN	HZ	57	293	IAML		2125	21.09		10	0.3							
KEK	HZ	70	274	EP		2125	11.29-.180										1.0
NEST	HZ	90	24	EP		2125	15.510.650										1.0
NEST	HE	90	24	ES		2125	27.06-.570										1.0

**December 26 2021 Hour: 23:3 1.9 Lat: 39.79N Lon: 20.61E D: 21.7 Ag: TIR Local**  
**Magnitudes: 1.4ML TIR Rms: 0.5 secs**

**39 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	37	220	EP		23	3	8.97-.370							1.0
IGT	HN	37	220	ES		23	3	15.710.300							1.0
IGT	HZ	37	220	IAML		23	3	18.08		16	0.1				
LSK	HZ	40	358	EP		23	3	8.97-.790							1.0
LSK	HN	40	358	ES		23	3	15.97-.190							1.0
LSK	HZ	40	358	IAML		23	3	19.45		15	0.9				
SRN	HZ	53	281	EP		23	3	11.51-.230							1.0
SRN	HE	53	281	ES		23	3	19.75-.010							1.0
SRN	HZ	53	281	IAML		23	3	23.23		11	0.5				
KEK	HZ	70	263	EP		23	3	15.060.570							1.0
KEK	HN	70	263	ES		23	3	24.900.170							1.0
KEK	HZ	70	263	IAML		23	3	29.90		33	1.0				
NEST	HZ	79	28	EP		23	3	15.32-.590							1.0
NEST	HN	79	28	ES		23	3	28.45 1.15							1.0
NEST	HZ	79	28	IAML		23	3	31.70		4	0.5				

**December 27 2021 Hour: 0:25 32.6 Lat: 39.66N Lon: 20.62E D: 10.4 Ag: TIR Local**  
**Magnitudes: 1.3ML TIR Rms: 0.5 secs**

**37 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	28	241	EP		025	38.120.140								1.0
IGT	HN	28	241	ES		025	42.15-.230								1.0
IGT	HZ	28	241	IAML		025	46.25			21	0.6				
LSK	HZ	55	358	EP		025	41.72-.740								1.0
LSK	HN	55	358	ES		025	51.150.670								1.0
LSK	HZ	55	358	IAML		025	53.70			8	0.3				
SRN	HZ	59	295	EP		025	43.890.830								1.0
SRN	HN	59	295	ES		025	51.16-.410								1.0
SRN	HZ	59	295	IAML		025	53.98			12	0.7				
KEK	HZ	71	275	EP		025	45.320.210								1.0
KEK	HN	71	275	ES		025	55.10-.190								1.0
NEST	HZ	92	23	EP		025	48.840.220								1.0
NEST	HE	92	23	ES		026	1.14-.500								1.0
NEST	HZ	92	23	IAML		026	4.24			3	0.8				

**December 27 2021 Hour: 8:27 52.8 Lat: 41.58N Lon: 19.53E D: 24.2 Ag: TIR Local**  
**Magnitudes: 1.3ML TIR Rms: 0.3 secs**

**16 km W of Lac**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIR	HZ	38	134	EP		828	0.680.110								1.0
TIR	HE	38	134	ES		828	6.870.010								1.0
TIR	HZ	38	134	IAML		828	7.74			19	0.3				
SDA	HZ	52	357	EP		828	2.670.060								1.0
SDA	HE	52	357	ES		828	10.00-.550								1.0
SDA	HZ	52	357	IAML		828	11.35			5	0.2				
PUK	HZ	59	30	EP		828	4.040.240								1.0
PUK	HE	59	30	ES		828	13.260.570								1.0
PUK	HZ	59	30	IAML		828	15.62			9	0.1				
PHP	HZ	76	81	EP		828	6.47-.030								1.0
PHP	HN	76	81	ES		828	17.17-.410								1.0
PHP	HZ	76	81	IAML		828	18.78			4	0.2				

**December 27 2021 Hour: 10:17 34.8 Lat: 39.99N Lon: 19.85E D: 18.0 Ag: TIR Local**  
**Magnitudes: 1.3ML TIR Rms: 0.6 secs**  
**15 km SE of Himare**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRN	HZ	18	132	EP		1017	38.36	-.820							1.0
SRN	HN	18	132	ES		1017	42.81	0.070							1.0
SRN	HZ	18	132	IAML		1017	43.85			21	0.2				
KEK	HZ	31	188	EP		1017	40.96	-.020							1.0
KEK	HN	31	188	ES		1017	46.57	0.570							1.0
KEK	HZ	31	188	IAML		1017	48.16			16	0.2				
IGT	HZ	65	140	EP		1017	45.63	-.890							1.0
IGT	HE	65	140	ES		1017	56.33	0.320							1.0
IGT	HZ	65	140	IAML		1018	0.86			10	0.3				
NEST	HZ	113	65	EP		1017	55.22	0.780							1.0

**December 27 2021 Hour: 13:46 59.4 Lat: 39.61N Lon: 21.00E D: 11.1 Ag: TIR Local**  
**Magnitudes: 1.8ML TIR 2.7MW TIR Rms: 0.6 secs**  
**70 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	58	262	EP		1347	9.64	-.150							1.0
IGT	HE	58	262	ES		1347	17.92	-.310							1.0
LSK	HZ	70	330	EP		1347	11.75	0.030							1.0
LSK	HN	70	330	ES		1347	21.55	-.170							1.0
LSK	HZ	70	330	IAML		1347	30.64			13	2.9				
THL	HZ	87	93	EP		1347	15.34	0.740							1.0
THL	HN	87	93	ES		1347	26.32	-.610							1.0
NEST	HZ	90	3	EP		1347	15.35	0.240							1.0
NEST	HZ	90	3	IAML		1347	29.58			3	0.1				
SRN	HZ	91	290	EP		1347	14.18	-1.08							1.0
SRN	HE	91	290	ES		1347	28.33	0.200							1.0
SRN	HZ	91	290	IAML		1347	31.28			17	0.8				
KEK	HZ	104	277	EP		1347	18.46	1.03							1.0
KEK	HZ	104	277	IAML		1347	30.48			61	1.7				
KEK	HN	104	277	ES		1347	32.13	0.080							1.0

**December 28 2021 Hour: 2:27 38.1 Lat: 42.06N Lon: 19.21E D: 13.6 Ag: TIR Local**  
**Magnitudes: 0.8ML TIR Rms: 0.4 secs**  
**24 km W of Shkoder**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SDA	HZ	24	92	EP		227	42.90	-.030							1.0
SDA	HN	24	92	ES		227	46.88	0.020							1.0
SDA	HZ	24	92	IAML		227	48.95			5	0.2				
PDG	HZ	42	6	EP		227	45.10	-.660							1.0
PDG	HN	42	6	ES		227	52.27	0.290							1.0
PDG	HZ	42	6	IAML		227	54.73			3	0.2				
PUK	HZ	56	91	EP		227	48.45	0.170							1.0
PUK	HE	56	91	ES		227	56.65	0.120							1.0
PUK	HZ	56	91	IAML		227	58.80			3	0.1				
PHP	HZ	110	112	EP		227	57.92	0.720							1.0
PHP	HN	110	112	ES		228	12.06	-.620							1.0
PHP	HZ	110	112	IAML		228	22.21			3	0.8				

**December 28 2021 Hour: 16:31 20.0 Lat: 41.34N Lon: 20.33E D: 12.0 Ag: TIR Local**  
**Magnitudes: 1.9ML TIR Rms: 0.2 secs**  
**18 km SE of Bulqize**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIR	HZ	39	272	EP		1631	27.14	-.090							1.0
TIR	HN	39	272	ES		1631	33.11	0.040							1.0
TIR	HZ	39	272	IAML		1631	34.50			80	0.2				
PHP	HZ	40	14	EP		1631	27.42	0.050							1.0
PHP	HN	40	14	ES		1631	33.33	0.010							1.0
PHP	HZ	40	14	IAML		1631	34.28			47	0.3				
PUK	HZ	86	335	EP		1631	35.17	0.010							1.0

PUK	HE	86	335	ES		1631	47.23-	.180										1.0
PUK	HZ	86	335	IAML		1631	48.44		12	0.1								
SDA	HZ	105	319	EP		1631	38.240.	.020										1.0
SDA	HE	105	319	ES		1631	53.130.	.180										1.0
SDA	HZ	105	319	IAML		1631	55.14		20	0.2								
NEST	HZ	119	149	EP		1631	41.210.	.550										1.0
NEST	HZ	119	149	ES		1631	56.94-	.440										1.0
NEST	HZ	119	149	IAML		1632	3.60		9	0.4								
PDG	HZ	150	324	EP		1631	45.810.	.050										1.0
PDG	HN	150	324	ES		1632	6.38-	.220										1.0
PDG	HZ	150	324	IAML		1632	10.64		11	0.4								

**December 28 2021 Hour: 20:37 29.9 Lat: 39.32N Lon: 21.46E D: 10.0F Ag: TIR Local**  
**Magnitudes: 2.3ML TIR Rms: 0.9 secs**  
**115 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
THL	HZ	55	61	EP		2037	38.47-	1.32							1.0
THL	HN	55	61	ES		2037	47.52-	.320							1.0
IGT	HZ	100	284	EP		2037	46.52-	.740							1.0
IGT	HE	100	284	ES		2037	59.63-	1.72							1.0
IGT	HZ	100	284	IAML		2038	7.84		36	0.5					
LSK	HZ	118	322	EP		2037	50.26-	.050							1.0
LSK	HN	118	322	ES		2038	7.710.	.840							1.0
LSK	HZ	118	322	IAML		2038	14.13		35	0.8					
NEST	HZ	126	344	EP		2037	52.690.	.960							1.0
NEST	HE	126	344	ES		2038	10.73	1.29							1.0
NEST	HZ	126	344	IAML		2038	14.35		39	0.7					
SRN	HZ	140	297	EP		2037	53.64-	.260							1.0
SRN	HN	140	297	ES		2038	13.600.	.230							1.0
SRN	HZ	140	297	IAML		2038	19.17		18	0.4					
KEK	HZ	149	287	EP		2037	56.130.	.630							1.0
KEK	HN	149	287	ES		2038	16.490.	.230							1.0
KEK	HZ	149	287	IAML		2038	20.10		44	0.5					
KBN	HZ	155	339	EP		2037	56.800.	.220							1.0
KBN	HE	155	339	ES		2038	17.29-	.930							1.0
KBN	HZ	155	339	IAML		2038	23.94		16	0.5					
ITM	HZ	241	170	EP		2038	8.320.	.090							0.9
ITM	HE	241	170	ES		2038	40.59	1.28							0.9

**December 29 2021 Hour: 2:32 17.4 Lat: 41.51N Lon: 19.60E D: 19.7 Ag: TIR Local**  
**Magnitudes: 1.2ML TIR Rms: 0.1 secs**  
**14 km N of Vore**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIR	HZ	29	130	EP		232	23.42-	.010							1.0
TIR	HZ	29	130	ES		232	28.340.	.020							1.0
TIR	HZ	29	130	IAML		232	29.20		15	0.3					
SDA	HZ	60	352	EP		232	28.460.	.160							1.0
SDA	HE	60	352	ES		232	37.12-	.020							1.0
PUK	HZ	64	22	EP		232	28.76-	.150							1.0
PUK	HE	64	22	ES		232	38.09-	.150							1.0
PUK	HZ	64	22	IAML		232	41.02		4	0.2					
PHP	HZ	72	75	EP		232	30.18-	.170							1.0
PHP	HN	72	75	ES		232	40.930.	.080							1.0
PHP	HZ	72	75	IAML		232	44.67		3	0.2					
BERA	HN	95	162	ES		232	47.450.	.050							1.0
BCI	HZ	102	22	EP		232	35.18-	.070							1.0
BCI	HE	102	22	ES		232	49.990.	.260							1.0
BCI	HZ	102	22	IAML		232	52.69		4	0.2					



**December 29 2021 Hour: 5:20 50.4 Lat: 41.92N Lon: 20.24E D: 7.7 Ag: TIR Local**  
**Magnitudes: 1.6ML TIR Rms: 0.3 secs**  
**22 km SE of Fushe-Arrez**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PHP	HZ	31	147	EP		520	55.98-	.240							1.0
PHP	HN	31	147	ES		521	0.960	.060							1.0
PHP	HZ	31	147	IAML		521	1.48			27	0.2				
PUK	HZ	32	295	EP		520	56.570	.270							1.0
PUK	HE	32	295	ES		521	0.83-	.220							1.0
PUK	HZ	32	295	IAML		521	4.23			52	0.3				
BCI	HZ	51	344	EP		520	59.970	.240							1.0
BCI	HN	51	344	ES		521	7.440	.180							1.0
BCI	HZ	51	344	IAML		521	10.19			32	0.4				
SDA	HZ	63	283	EP		521	1.14-	.610							1.0
SDA	HE	63	283	ES		521	11.050	.130							1.0
SDA	HZ	63	283	IAML		521	12.66			10	0.1				
TIR	HZ	71	206	EP		521	2.87-	.330							1.0
TIR	HN	71	206	ES		521	14.050	.520							1.0

**December 29 2021 Hour: 5:28 49.1 Lat: 38.87N Lon: 20.90E D: 5.0F Ag: TIR Local**  
**Magnitudes: 2.6ML TIR Rms: 0.6 secs**  
**107 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	88	326	EP		529	3.91-	.940							1.0
IGT	HN	88	326	ES		529	17.02-	.610							1.0
IGT	HZ	88	326	IAML		529	18.97			68	0.5				
THL	HZ	123	51	EP		529	10.04-	.670							1.0
THL	HN	123	51	ES		529	28.280	.050							1.0
KEK	HZ	133	315	EP		529	11.92-	.460							1.0
KEK	HE	133	315	ES		529	31.320	.070							1.0
KEK	HZ	133	315	IAML		529	32.44			94	0.5				
SRN	HZ	136	326	EP		529	13.750	.900							1.0
SRN	HE	136	326	ES		529	32.590	.480							1.0
SRN	HZ	136	326	IAML		529	36.80			26	0.3				
LSK	HZ	144	350	EP		529	14.480	.220							1.0
LSK	HZ	144	350	IAML		529	40.67			79	0.7				
NEST	HZ	172	4	EP		529	19.050	.190							0.9
NEST	HZ	172	4	IAML		529	54.49			43	0.6				
KBN	HZ	195	357	EP		529	23.100	.990							0.9
KBN	HZ	195	357	IAML		529	53.56			18	0.8				

**December 29 2021 Hour: 5:56 21.1 Lat: 41.92N Lon: 20.25E D: 15.0F Ag: TIR Local**  
**Magnitudes: 1.4ML TIR Rms: 0.4 secs**  
**22 km SW of Kukes**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PHP	HZ	31	149	EP		556	26.31-	.230							1.0
PHP	HN	31	149	ES		556	30.980	.030							1.0
PHP	HZ	31	149	IAML		556	31.53			16	0.1				
PUK	HZ	33	295	EP		556	26.63-	.300							1.0
PUK	HE	33	295	ES		556	31.07-	.600							1.0
PUK	HZ	33	295	IAML		556	34.10			27	0.1				
BCI	HZ	52	343	EP		556	30.590	.240							1.0
BCI	HE	52	343	ES		556	37.82-	.040							1.0
BCI	HZ	52	343	IAML		556	40.28			17	0.4				
SDA	HZ	64	283	EP		556	33.090	.590							1.0
SDA	HE	64	283	ES		556	42.060	.310							1.0
SDA	HZ	64	283	IAML		556	42.73			5	0.1				

**December 29 2021 Hour: 15:50 44.3 Lat: 42.33N Lon: 19.88E D: 6.4 Ag: TIR Local**  
**Magnitudes: 1.0ML TIR Rms: 0.8 secs**  
**15 km W of Bajram\_Curri**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BCI	HZ	16	73	EP		1550	46.75	-.720							1.0
BCI	HE	16	73	ES		1550	50.180	.170							1.0
BCI	HZ	16	73	IAML		1550	52.40			37	0.3				
PUK	HZ	31	178	EP		1550	50.370	.290							1.0
PUK	HN	31	178	ES		1550	55.140	.400							1.0
PUK	HZ	31	178	IAML		1550	56.31			5	0.5				
SDA	HZ	44	226	EP		1550	51.80	-.420							1.0
SDA	HN	44	226	ES		1550	58.39	-.230							1.0
SDA	HZ	44	226	IAML		1551	0.58			5	0.1				
PDG	HZ	52	283	EP		1550	56.33	2.61							0.5
PDG	HZ	52	283	IAML		1551	0.25			7	0.2				
PDG	HE	52	283	ES		1551	1.19	-.140							1.0

**December 29 2021 Hour: 16:26 28.3 Lat: 40.72N Lon: 20.68E D: 16.8 Ag: TIR Local**  
**Magnitudes: 1.3ML TIR Rms: 0.8 secs**  
**3 km NW of Maliq**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KBN	HZ	14	141	EP		1626	32.21	-.110							1.0
KBN	HN	14	141	ES		1626	35.920	.390							1.0
KBN	HZ	14	141	IAML		1626	36.81			19	0.3				
NEST	HZ	46	138	EP		1626	37.220	.220							1.0
NEST	HN	46	138	ES		1626	43.83	-.180							1.0
NEST	HZ	46	138	IAML		1626	46.18			10	0.2				
LSK	HZ	64	186	EP		1626	38.15	-1.73							1.0
LSK	HN	64	186	ES		1626	48.92	-.310							1.0
LSK	HZ	64	186	IAML		1626	51.68			7	0.3				
IGT	HZ	136	193	EP		1626	52.99	1.29							1.0
IGT	HN	136	193	ES		1627	11.140	.530							1.0
IGT	HZ	136	193	IAML		1627	15.04			4	1.1				

**December 29 2021 Hour: 22:57 53.6 Lat: 39.63N Lon: 20.65E D: 23.6 Ag: TIR Local**  
**Magnitudes: 1.0ML TIR Rms: 0.5 secs**  
**39 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	29	249	EP		2258	0.360	.350							1.0
IGT	HN	29	249	ES		2258	4.84	-.400							1.0
IGT	HZ	29	249	IAML		2258	6.89			6	0.2				
LSK	HZ	58	356	EP		2258	4.26	-.170							1.0
LSK	HN	58	356	ES		2258	13.920	.690							1.0
SRN	HZ	62	297	EP		2258	5.270	.330							1.0
SRN	HE	62	297	ES		2258	13.85	-.310							1.0
SRN	HZ	62	297	IAML		2258	16.46			5	0.6				
NEST	HZ	94	21	EP		2258	10.420	.350							1.0
NEST	HN	94	21	ES		2258	22.61	-.830							1.0

**December 29 2021 Hour: 23:56 34.0 Lat: 39.64N Lon: 20.60E D: 17.2 Ag: TIR Local**  
**Magnitudes: 1.2ML TIR Rms: 0.3 secs**  
**35 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	26	243	EP		2356	39.600	.230							1.0
IGT	HN	26	243	ES		2356	43.60	-.130							1.0
IGT	HZ	26	243	IAML		2356	44.45			4	0.2				
LSK	HZ	57	0	EP		2356	43.79	-.560							1.0
LSK	HN	57	0	ES		2356	53.060	.300							1.0
SRN	HZ	58	298	EP		2356	44.590	.170							1.0
SRN	HN	58	298	ES		2356	52.81	-.070							1.0
KEK	HZ	69	277	EP		2356	46.460	.180							1.0
KEK	HE	69	277	ES		2356	56.13	-.120							1.0
KEK	HZ	69	277	IAML		2357	3.20			21	1.2				

**December 30 2021 Hour: 0:05.7 Lat: 42.06N Lon: 20.85E D: 5.4 Ag: TIR Local**  
**Magnitudes: 1.3ML TIR Rms: 0.8 secs**  
**35 km E of Kukes**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PHP	HZ	53	219	EP		0	1	5.700.460							1.0
PHP	HN	53	219	ES		0	1	12.34-.650							1.0
PHP	HZ	53	219	IAML		0	1	13.71		4	0.1				
BCI	HZ	73	298	EP		0	1	9.180.430							1.0
BCI	HE	73	298	ES		0	1	19.540.180							1.0
BCI	HZ	73	298	IAML		0	1	25.92		13	0.4				
PUK	HZ	79	269	EP		0	1	9.62-.200							1.0
PUK	HN	79	269	ES		0	1	21.26-.030							1.0
PUK	HZ	79	269	IAML		0	1	22.40		5	0.5				
SDA	HZ	112	270	EP		0	1	16.43 1.11							1.0
SDA	HE	112	270	ES		0	1	32.34 1.10							1.0
PDG	HZ	137	288	EP		0	1	18.16-1.47							1.0
PDG	HE	137	288	ES		0	1	37.99-1.05							1.0
PDG	HZ	137	288	IAML		0	1	42.49		2	0.2				

**December 30 2021 Hour: 14:54 28.1 Lat: 39.22N Lon: 20.47E D: 10.0F Ag: TIR Local**  
**Magnitudes: 1.6ML TIR Rms: 0.5 secs**  
**54 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	36	342	EP		1454	34.17-.650								1.0
IGT	HE	36	342	ES		1454	39.74-.530								1.0
IGT	HZ	36	342	IAML		1454	40.59			18	0.2				
KEK	HZ	79	314	EP		1454	41.73-.330								1.0
KEK	HE	79	314	ES		1454	53.750.380								1.0
SRN	HZ	83	331	EP		1454	42.890.160								1.0
SRN	HN	83	331	ES		1454	55.000.420								1.0
SRN	HZ	83	331	IAML		1455	0.94			17	0.9				
NEST	HZ	141	21	EP		1454	53.080.580								1.0

**December 30 2021 Hour: 19:57 8.1 Lat: 39.35N Lon: 20.34E D: 36.2 Ag: TIR Local**  
**Magnitudes: 1.9ML TIR Rms: 0.5 secs**  
**37 km S of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	21	358	EP		1957	15.04-.080								1.0
IGT	HN	21	358	ES		1957	20.31-.490								1.0
IGT	HZ	21	358	IAML		1957	22.00			26	0.2				
SRN	HZ	66	334	EP		1957	20.53-.110								1.0
SRN	HN	66	334	ES		1957	30.820.040								1.0
SRN	HZ	66	334	IAML		1957	44.65			23	1.9				
LSK	HZ	92	14	EP		1957	24.870.310								1.0
LSK	HN	92	14	ES		1957	38.400.510								1.0
LSK	HZ	92	14	IAML		1957	39.38			16	1.7				
NEST	HZ	133	27	EP		1957	30.720.690								1.0
NEST	HN	133	27	ES		1957	46.91-.880								1.0
NEST	HZ	133	27	IAML		1957	54.00			11	0.7				

**December 30 2021 Hour: 23:21 59.5 Lat: 40.46N Lon: 20.76E D: 21.1 Ag: TIR Local**  
**Magnitudes: 1.6ML TIR Rms: 0.5 secs**  
**12 km N of Erseke**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KBN	HZ	18	7	EP		2322	4.620.190								1.0
KBN	HE	18	7	ES		2322	8.03-.360								1.0
KBN	HZ	18	7	IAML		2322	8.74			33	0.2				
NEST	HZ	25	102	EP		2322	5.960.680								1.0
NEST	HN	25	102	ES		2322	9.78-.160								1.0
NEST	HZ	25	102	IAML		2322	12.44			39	0.2				
LSK	HZ	38	202	EP		2322	7.290.250								1.0
LSK	HN	38	202	ES		2322	12.90-.230								1.0
LSK	HZ	38	202	IAML		2322	14.40			14	0.3				

SRN	HZ	92	225	EP	2322	14.97-	.680								1.0
SRN	HN	92	225	ES	2322	29.75	1.04								1.0
SRN	HZ	92	225	IAML	2322	37.44		15	1.2						
IGT	HZ	110	200	EP	2322	18.24-	.330								1.0
IGT	HN	110	200	ES	2322	33.58-	.410								1.0
IGT	HZ	110	200	IAML	2322	49.35		19	2.0						

**December 31 2021 Hour: 0:23 29.1 Lat: 41.05N Lon: 20.01E D: 20.0 Ag: TIR Local**  
**Magnitudes: 2.0ML TIR Rms: 0.8 secs**  
**3 km NE of Cerrik**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIR	HZ	35	340	EP		023	36.170	.040							1.0
TIR	HN	35	340	ES		023	42.240	.450							1.0
TIR	HZ	35	340	IAML		023	43.71			21	0.6				
BERA	HN	39	188	EP		023	36.40-	.360							1.0
BERA	HE	39	188	ES		023	42.32-	.600							1.0
VLO	HZ	78	214	EP		023	43.320	.320							1.0
VLO	HE	78	214	ES		023	55.50	1.28							1.0
VLO	HZ	78	214	IAML		023	59.86			42	0.6				
PHP	HZ	79	27	EP		023	42.35-	.830							1.0
PHP	HN	79	27	ES		023	53.98-	.570							1.0
PHP	HZ	79	27	IAML		023	58.02			9	1.2				
KBN	HZ	81	126	EP		023	42.22-	1.31							1.0
KBN	HN	81	126	ES		023	55.270	.090							1.0
KBN	HZ	81	126	IAML		023	57.02			16	1.6				
PUK	HZ	110	355	EP		023	48.02-	.380							1.0
PUK	HN	110	355	ES		024	3.66-	.330							1.0
PUK	HZ	110	355	IAML		024	8.98			7	0.7				
LSK	HZ	112	153	EP		023	48.06-	.590							1.0
LSK	HN	112	153	ES		024	5.58	1.14							1.0
LSK	HZ	112	153	IAML		024	12.02			12	0.9				
NEST	HZ	113	129	EP		023	48.910	.120							1.0
NEST	HE	113	129	ES		024	6.29	1.59							1.0
SDA	HZ	119	339	EP		023	50.060	.420							1.0
SDA	HE	119	339	ES		024	7.160	.920							1.0
SRN	HZ	130	180	EP		023	52.270	.820							1.0
SRN	HE	130	180	ES		024	9.30-	.220							1.0
SRN	HZ	130	180	IAML		024	13.88			20	0.9				
BCI	HZ	146	2	EP		023	54.370	.380							1.0
BCI	HN	146	2	ES		024	15.45	1.34							1.0
BCI	HZ	146	2	IAML		024	19.62			10	0.6				
KEK	HZ	150	187	EP		023	54.16-	.400							1.0
KEK	HE	150	187	ES		024	13.62-	1.53							1.0
KEK	HZ	150	187	IAML		024	22.26			23	1.1				
PDG	HZ	165	338	EP		023	54.65-	1.95							0.9
PDG	HE	165	338	ES		024	18.78-	.070							0.9
PDG	HZ	165	338	IAML		024	23.31			8	0.9				
IGT	HZ	171	171	EP		023	57.500	.120							0.9
IGT	HE	171	171	ES		024	20.22-	.030							0.9
IGT	HZ	171	171	IAML		024	22.83			8	0.3				

**December 31 2021 Hour: 3:28 55.1 Lat: 39.72N Lon: 21.00E D: 11.1 Ag: TIR Local**  
**Magnitudes: 1.7ML TIR Rms: 0.6 secs**  
**69 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LSK	HZ	59	325	EP		329	5.730	.020							1.0
LSK	HN	59	325	ES		329	14.29-	.010							1.0
LSK	HZ	59	325	IAML		329	17.02			14	0.8				
IGT	HZ	61	251	EP		329	5.50-	.460							1.0
IGT	HE	61	251	ES		329	14.880	.130							1.0
NEST	HZ	78	3	EP		329	10.21	1.38							1.0
NEST	HE	78	3	ES		329	19.10-	.830							1.0
SRN	HZ	87	282	EP		329	9.78-	.600							1.0
SRN	HN	87	282	ES		329	23.110	.360							1.0

SRN	HZ	87	282	IAML	329	24.36			19	1.1					
THL	HZ	89	101	EP	329	10.820	.180								1.0
THL	HE	89	101	ES	329	23.03	-.180								1.0

**December 31 2021 Hour: 4: 4 44.3 Lat: 39.67N Lon: 20.61E D: 10.0 Ag: TIR Local**  
**Magnitudes: 2.3ML TIR Rms: 0.8 secs**  
**36 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	29	238	EP		4	4	49.720	.010						1.0
IGT	HN	29	238	ES		4	4	53.77	-.350						1.0
IGT	HZ	29	238	IAML		4	4	58.39		208	0.3				
LSK	HZ	53	359	EP		4	4	53.990	.010						1.0
LSK	HN	53	359	ES		4	5	2.210	.380						1.0
LSK	HZ	53	359	IAML		4	5	5.73		81	0.4				
SRN	HZ	58	294	EP		4	4	54.16	-.470						1.0
SRN	HE	58	294	ES		4	5	2.38	-.630						1.0
SRN	HZ	58	294	IAML		4	5	5.45		66	0.7				
KEK	HZ	70	274	EP		4	4	56.42	-.330						1.0
KEK	HN	70	274	ES		4	5	6.64	-.210						1.0
KEK	HZ	70	274	IAML		4	5	9.13		85	0.3				
NEST	HZ	91	24	EP		4	5	0.520	.310						1.0
NEST	HE	91	24	ES		4	5	12.94	-.170						1.0
NEST	HZ	91	24	IAML		4	5	14.58		41	0.3				
KBN	HZ	107	8	EP		4	5	2.62	-.280						1.0
KBN	HN	107	8	ES		4	5	16.64	-1.35						1.0
KBN	HZ	107	8	IAML		4	5	21.57		15	0.9				
THL	HZ	121	95	EP		4	5	4.23	-.960						1.0
THL	HE	121	95	ES		4	5	22.850	.730						1.0
VLO	HZ	130	313	EP		4	5	8.61	1.86						1.0
VLO	HN	130	313	ES		4	5	26.02	1.06						1.0
VLO	HZ	130	313	IAML		4	5	30.70		64	1.0				
PHP	HZ	224	356	EP		4	5	21.280	.830						0.9
PHP	HN	224	356	ES		4	5	48.80	-.950						0.9
PHP	HZ	224	356	IAML		4	5	57.29		8	0.8				
PUK	HZ	270	347	EP		4	5	27.240	.840						0.9

**December 31 2021 Hour: 4:43 27.8 Lat: 41.08N Lon: 20.19E D: 11.1 Ag: TIR Local**  
**Magnitudes: 1.2ML TIR Rms: 0.8 secs**  
**9 km SE of Elbasan**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIR	HZ	40	318	EP		443	34.74	-.500							1.0
TIR	HN	40	318	ES		443	41.400	.130							1.0
TIR	HZ	40	318	IAML		443	42.60			7	0.1				
PHP	HZ	71	17	EP		443	39.73	-.580							1.0
PHP	HN	71	17	ES		443	49.52	-.910							1.0
PHP	HZ	71	17	IAML		443	51.82			5	0.3				
KBN	HZ	71	135	EP		443	40.31	-.160							1.0
KBN	HN	71	135	ES		443	51.510	.780							1.0
KBN	HZ	71	135	IAML		443	53.08			4	0.3				
NEST	HZ	104	135	EP		443	46.020	.190							1.0
NEST	HN	104	135	ES		444	0.570	.130							1.0
NEST	HZ	104	135	IAML		444	3.56			25	2.5				
LSK	HZ	109	161	EP		443	47.530	.820							1.0
LSK	HN	109	161	ES		444	0.50	-1.52							1.0
PUK	HZ	110	347	EP		443	46.51	-.370							1.0
PUK	HE	110	347	ES		444	2.440	.110							1.0
PUK	HZ	110	347	IAML		444	7.05			3	0.3				
BCI	HZ	143	356	EP		443	54.46	2.02							1.0

**December 31 2021 Hour: 7:54 39.1 Lat: 39.57N Lon: 20.52E D: 10.9 Ag: TIR Local**  
**Magnitudes: 1.8ML TIR Rms: 0.6 secs**  
**29 km E of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	17	255	EP		754	42.810	.030							1.0
IGT	HE	17	255	ES		754	45.48	-.250							1.0
IGT	HZ	17	255	IAML		754	48.50			110	0.5				
SRN	HZ	56	307	EP		754	49.560	.310							1.0
SRN	HN	56	307	ES		754	57.33	-.120							1.0
SRN	HZ	56	307	IAML		754	59.53			9	0.4				
KEK	HZ	64	284	EP		754	50.55	-.020							1.0
KEK	HE	64	284	ES		754	59.56	-.270							1.0
KEK	HZ	64	284	IAML		755	1.03			30	0.3				
LSK	HZ	64	6	EP		754	51.320	.670							1.0
LSK	HN	64	6	ES		755	0.720	.740							1.0
LSK	HZ	64	6	IAML		755	6.61			16	0.5				
NEST	HZ	104	25	EP		754	57.530	.330							1.0
NEST	HE	104	25	ES		755	10.40	-1.43							1.0

**December 31 2021 Hour: 8:28 54.8 Lat: 41.36N Lon: 19.79E D: 24.7 Ag: TIR Local**  
**Magnitudes: 1.1ML TIR Rms: 0.6 secs**  
**3 km NE of Kamez**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIR	HZ	7	102	EP		828	58.78	-.430							1.0
TIR	HE	7	102	ES		829	2.930	.130							1.0
TIR	HZ	7	102	IAML		829	4.54			16	0.2				
PHP	HZ	65	56	EP		829	7.78	1.02							1.0
PHP	HN	65	56	ES		829	16.07	-.390							1.0
PHP	HZ	65	56	IAML		829	22.54			4	0.4				
PUK	HZ	76	7	EP		829	7.74	-.760							1.0
PUK	HE	76	7	ES		829	19.830	.220							1.0
PUK	HZ	76	7	IAML		829	20.16			3	0.7				
NEST	HZ	149	134	EP		829	20.740	.890							1.0
NEST	HN	149	134	ES		829	39.49	-.670							1.0

**December 31 2021 Hour: 16:2 12.6 Lat: 39.45N Lon: 20.60E D: 10.0F Ag: TIR Local**  
**Magnitudes: 1.5ML TIR Rms: 0.9 secs**  
**48 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	25	293	EP		16 2	16.90	-.480							1.0
IGT	HN	25	293	ES		16 2	21.690	.430							1.0
IGT	HZ	25	293	IAML		16 2	22.37			35	0.1				
SRN	HZ	70	313	EP		16 2	24.57	-.510							1.0
SRN	HE	70	313	ES		16 2	36.030	.820							1.0
SRN	HZ	70	313	IAML		16 2	38.06			9	0.5				
KEK	HZ	75	294	EP		16 2	25.30	-.540							1.0
KEK	HN	75	294	ES		16 2	36.22	-.360							1.0
KEK	HZ	75	294	IAML		16 2	39.78			24	0.7				
NEST	HZ	114	20	EP		16 2	34.33	1.88							1.0
NEST	HN	114	20	ES		16 2	47.33	-1.22							1.0

**December 31 2021 Hour: 17:12 43.0 Lat: 41.36N Lon: 19.58E D: 20.5 Ag: TIR Local**  
**Magnitudes: 1.9ML TIR Rms: 0.2 secs**  
**2 km NE of Shijak**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIR	HZ	23	93	EP		1712	48.37	-.050							1.0
TIR	HE	23	93	ES		1712	52.940	.140							1.0
TIR	HZ	23	93	IAML		1712	53.55			81	0.2				
SDA	HZ	77	355	EP		1712	56.44	-.260							1.0
SDA	HN	77	355	ES		1713	8.030	.250							1.0
PHP	HZ	80	63	EP		1712	56.81	-.430							1.0
PHP	HZ	80	63	IAML		1713	10.20			12	0.2				
PUK	HE	80	19	ES		1713	9.240	.440							1.0

PHP	HN	80	63	ES		1713	8.55-	.210									1.0
PUK	HZ	80	19	EP		1712	57.470.	.210									1.0
PUK	HZ	80	19	IAML		1713	10.95		14	0.4							
BCI	HZ	119	20	EP		1713	3.41-	.120									1.0
BCI	HN	119	20	ES		1713	20.01-	.140									1.0
BCI	HZ	119	20	IAML		1713	25.09		22	0.3							
PDG	HZ	122	347	EP		1713	3.88-	.100									1.0
PDG	HE	122	347	ES		1713	20.92-	.040									1.0
PDG	HZ	122	347	IAML		1713	23.22		11	0.2							
NEST	HZ	162	130	EP		1713	10.05-	.080									0.9
NEST	HE	162	130	ES		1713	32.510.	.410									0.9
NEST	HZ	162	130	IAML		1713	37.66		16	0.3							

**December 31 2021 Hour: 18:54 22.3 Lat: 39.35N Lon: 20.89E D: 22.0 Ag: TIR Local**  
**Magnitudes: 2.3ML TIR Rms: 0.3 secs**

**69 km SE of Konispol**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT		
IGT	HZ	52	293	EP		1854	32.00-	.020							1.0		
IGT	HE	52	293	ES		1854	39.76-	.170							1.0		
IGT	HZ	52	293	IAML		1854	43.99		117	0.2							
LSK	HZ	92	344	EP		1854	38.800.	.270							1.0		
LSK	HN	92	344	ES		1854	52.150.	.440							1.0		
LSK	HZ	92	344	IAML		1854	57.72		41	0.4							
SRN	HZ	96	308	EP		1854	38.88-	.250							1.0		
SRN	HN	96	308	ES		1854	52.49-	.300							1.0		
SRN	HZ	96	308	IAML		1854	56.93		36	0.2							
THL	HZ	100	76	EP		1854	39.980.	.350							1.0		
THL	HN	100	76	ES		1854	53.32-	.380							1.0		
KEK	HZ	102	293	EP		1854	39.97-	.090							1.0		
KEK	HE	102	293	ES		1854	54.680.	.210							1.0		
KEK	HZ	102	293	IAML		1854	59.48		59	0.4							
NEST	HZ	119	6	EP		1854	43.210.	.470							1.0		
NEST	HE	119	6	ES		1854	58.81-	.520							1.0		
NEST	HZ	119	6	IAML		1855	6.76		25	0.6							

**December 31 2021 Hour: 19:29 11.7 Lat: 41.40N Lon: 19.64E D: 17.0 Ag: TIR Local**  
**Magnitudes: 0.8ML TIR Rms: 0.6 secs**

**5 km NW of Kamez**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT		
TIR	HZ	20	108	EP		1929	15.60-	.680							1.0		
TIR	HN	20	108	ES		1929	20.160.	.160							1.0		
TIR	HZ	20	108	IAML		1929	20.81		12	0.2							
PHP	HZ	74	65	EP		1929	24.75-	.050							1.0		
PHP	HN	74	65	ES		1929	35.900.	.460							1.0		
PHP	HZ	74	65	IAML		1929	37.47		2	0.2							
PUK	HZ	74	17	EP		1929	25.390.	.550							1.0		
PUK	HE	74	17	ES		1929	34.45-	1.06							1.0		
PUK	HZ	74	17	IAML		1929	36.90		2	0.1							
BCI	HZ	113	18	EP		1929	31.950.	.720							1.0		
NEST	HZ	162	132	EP		1929	39.530.	.390							0.9		
NEST	HN	162	132	ES		1930	0.92-	.470							0.9		

**December 31 2021 Hour: 20: 2 30.4 Lat: 41.37N Lon: 19.62E D: 23.1 Ag: TIR Local**  
**Magnitudes: 2.2ML TIR Rms: 0.7 secs**

**0 km S of Vore**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT		
TIR	HZ	21	97	EP		20 2	35.01-	.760							1.0		
TIR	HE	21	97	ES		20 2	39.67-	.450							1.0		
TIR	HZ	21	97	IAML		20 2	40.86		140	0.3							
BPA2	HZ	71	180	EP		20 2	44.37	1.15							1.0		
SDA	HZ	76	353	EP		20 2	43.27-	.780							1.0		
SDA	HE	76	353	ES		20 2	55.390.	.300							1.0		
SDA	HZ	76	353	IAML		20 3	1.85		7	0.2							
PHP	HZ	77	63	EP		20 2	43.57-	.640							1.0		

PHP	HN	77	63	ES	20	2	55.870.480			1.0
PHP	HZ	77	63	IAML	20	2	58.55	24	0.3	
PUK	HZ	78	17	EP	20	2	43.84-.580			1.0
PUK	HN	78	17	ES	20	2	55.920.160			1.0
PUK	HZ	78	17	IAML	20	2	57.78	32	0.3	
BERA	HE	79	159	ES	20	2	56.790.880			1.0
VLO	HZ	101	186	EP	20	2	48.580.690			1.0
VLO	HN	101	186	ES	20	3	1.28-.770			1.0
VLO	HZ	101	186	IAML	20	3	7.15	64	0.4	
BCI	HZ	117	18	EP	20	2	49.88-.600			1.0
BCI	HE	117	18	ES	20	3	6.65-.080			1.0
BCI	HZ	117	18	IAML	20	3	11.57	44	0.4	
PDG	HZ	121	346	EP	20	2	51.300.130			1.0
PDG	HN	121	346	ES	20	3	8.760.780			1.0
PDG	HZ	121	346	IAML	20	3	9.70	17	0.4	
KBN	HZ	128	130	EP	20	2	53.020.680			1.0
KBN	HE	128	130	ES	20	3	10.320.220			1.0
KBN	HZ	128	130	IAML	20	3	21.21	14	0.5	
LSK	HZ	159	148	EP	20	2	56.48-.330			0.9
LSK	HN	159	148	ES	20	3	18.510.310			0.9
NEST	HZ	160	131	EP	20	2	57.850.800			0.9
NEST	HN	160	131	ES	20	3	19.130.500			0.9
NEST	HZ	160	131	IAML	20	3	24.64	21	0.4	
SRN	HZ	169	169	EP	20	2	58.140.180			0.9
SRN	HE	169	169	ES	20	3	19.81-.460			0.9
SRN	HZ	169	169	IAML	20	3	26.44	14	0.5	
KEK	HZ	185	175	EP	20	3	0.04-.010			0.9
IGT	HZ	213	163	EP	20	3	4.230.560			0.9
IGT	HN	213	163	ES	20	3	28.00-2.60			0.9
IGT	HZ	213	163	IAML	20	3	39.23	9	0.6	