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Seismological Bulletin

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GENERAL BULLETIN INFORMATION

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

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

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

Magnitudes are calculated from amplitudes.

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

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

where, D is the hypocentral distance (km).

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

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

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

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

The bulletin working group is composed of supervising staff:

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

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

STATIONS USED

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

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

MACROSEISMIC DATA

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

Abbreviations:

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

LAT: Latitude of epicenter

LON: Longitude of epicenter

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

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

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

RMS: Root mean square value of travel time residuals

STAT: Station code

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

DIST: Epicenter distance (km)

AZI: Azimuth from source to station

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

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

HR: Hour

MN: Minute

SECON: Seconds

TRES: Residual (seconds)

CODA: Signal duration in seconds

AMPL: Ground Amplitude ($0.5 * (\text{peak to peak})$), (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>.

August 2 2024 Hour: 0:42 29.2 Lat: 41.15N Lon: 19.70E D: 20.7 Ag: TIR Local
 Magnitudes: 2.6ML TIR 3.0MW TIR Rms: 0.3 secs
 8 km N of Rrogozhine

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SELS	SZ			IP	A	0043	8.950								
AL04AHZ		20	216	EP		0042	3.570	-0.55							1.0
AL04AHN		20	216	ES		0042	8.181	0.05							1.0
AL04AHZ		20	216	IAML		0042	0.872			642	0.2				
DRSH	EZ	21	314	EP		0042	3.975	-0.28							1.0
DRSH	EN	21	314	ES		0042	8.745	0.37							1.0
TIR	HZ	26	32	EP		0042	4.954	0.02							1.0
TIR	HN	26	32	ES		0042	9.963	0.37							1.0
TIR	HZ	26	32	IAML		0042	9.964			92	0.9				
BELS	EZ	27	138	EP		0042	5.041	-0.02							1.0
AL02AHZ		38	319	EP		0042	6.777	0.10							1.0
BPA2	HZ	47	188	EP		0042	8.644	0.59							1.0
LACI	HZ	54	2	EP		0042	8.649	-0.49							1.0
LACI	HE	54	2	ES		0042	7.219	-0.00							1.0
AL03AHZ		56	27	EP		0042	9.253	-0.27							1.0
BURR	EZ	56	27	EP		0042	9.234	-0.29							1.0
VLO	HZ	78	193	EP		0042	3.058	0.08							1.0
VLO	HN	78	193	ES		0042	4.222	0.07							1.0
PHP	HZ	86	46	EP		0042	4.073	-0.29							1.0
PHP	HN	86	46	ES		0042	6.657	-0.01							1.0
PHP	HZ	86	46	IAML		0043	8.461			34	0.9				
PUK	HZ	100	9	EP		0042	6.606	-0.17							1.0
PUK	HZ	100	9	IAML		0043	6.032			58	0.3				
SDA	HZ	101	351	EP		0042	6.922	0.06							1.0
SDA	HN	101	351	ES		0043	1.468	0.28							1.0
SDA	HZ	101	351	IAML		0043	7.904			18	0.9				
KKS	HZ	118	30	EP		0042	9.766	0.21							1.0
KKS	HZ	118	30	IAML		0043	8.723			41	1.0				
AL01AHZ		133	355	EP		0042	1.934	-0.11							1.0
RZM	EZ	133	355	EP		0042	2.457	0.42							1.0
BCI	HZ	139	13	EP		0042	2.925	0.14							1.0
BCI	HN	139	13	ES		0043	2.233	0.31							1.0
BCI	HZ	139	13	IAML		0043	3.755			61	1.0				
PDG	HZ	147	346	EP		0042	3.104	-0.93							1.0
PDG	HZ	147	346	IAML		0043	2.585			59	0.5				
PVY	HZ	162	8	EP		0042	6.319	0.04							0.9
PVY	HZ	162	8	IAML		0043	0.308			69	0.4				
PEJK	HZ	173	16	EP		0042	7.698	0.10							0.9
PEJK	HZ	173	16	IAML		0043	1.830			35	0.5				
ME01AHZ		189	5	EP		0043	0.204	0.52							0.9
NKME	HZ	190	341	EP		0042	9.536	-0.27							0.9

August 2 2024 Hour: 18:28 27.7 Lat: 38.40N Lon: 20.30E D: 11.9 Ag: TIR Local
 Magnitudes: 3.2ML TIR 3.6MW TIR Rms: 0.5 secs
 140 km S of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VLS	HZ	35	133	EP		1828	4.080	-0.24							1.0
LKD2	HZ	54	35	EP		1828	7.088	-0.34							1.0
JAN	HE	148	19	IS		1829	3.523	-0.20							1.0
KEK	HZ	153	344	EP		1828	4.590	0.71							1.0
KEK	HE	153	344	ES		1829	5.230	0.16							1.0
KEK	HZ	153	344	IAML		1829	6.901			156	0.5				
SRN	HZ	167	351	EP		1828	6.600	0.35							0.9
SRN	HE	167	351	ES		1829	9.497	0.14							0.9
SRN	HZ	167	351	IAML		1829	6.015			88	0.5				
ITM	HZ	197	133	EP		1828	9.808	-0.33							0.9
ITM	HE	197	133	ES		1829	7.026	0.63							0.9
LSK	HZ	197	7	EP		1829	0.326	0.15							0.9
LSK	HE	197	7	ES		1829	6.496	0.04							0.9

LSK	HZ	197	7	IAML	1829	2.126			183	0.6				
THL	HZ	197	48	EP	1829	0.351	0.18							0.9
THL	HN	197	48	ES	1829	6.423	-0.04							0.9
PLSA	EZ	205	344	EP	1829	1.485	0.29							0.9
PLSA	EZ	205	344	IAML	1829	1.903			36	0.4				
TPE	HZ	212	353	EP	1829	2.562	0.45							0.9
TPE	HZ	212	353	IAML	1829	0.138			83	0.4				
PENT	HZ	213	20	EP	1829	2.810	0.55							0.9
PENT	HN	213	20	ES	1829	0.205	-0.02							0.9
NEST	HZ	233	16	EP	1829	5.300	0.39							0.9
NEST	HZ	233	16	IAML	1829	6.423			52	0.5				
SCTE	HZ	244	320	EP	1829	6.227	0.03							0.9
KZN	HZ	247	30	EP	1829	6.784	0.11							0.9
AL05AHZ		257	2	EP	1829	8.055	0.23							0.9
AL05AHZ		257	2	IAML	1829	3.952			28	0.6				
BERA	HZ	259	353	EP	1829	8.291	0.24							0.9
BERA	HZ	259	353	IAML	1829	4.560			43	0.5				
BELS	EZ	288	354	EP	1829	1.934	0.13							0.8
AL02AHZ		343	347	EP	1829	9.342	0.46							0.8
AL03AHZ		357	356	EP	1829	0.141	-0.53							0.8
BURR	EZ	357	356	EP	1829	0.234	-0.43							0.8
LACI	HZ	363	352	EP	1829	0.560	-0.89							0.8
LACI	HZ	363	352	IAML	1830	0.843			27	0.4				
PHP	HZ	366	2	EP	1829	1.819	0.02							0.8
PHP	HZ	366	2	IAML	1830	2.737			13	0.3				
PUK	HZ	407	355	EP	1829	5.900	-1.19							0.7
PUK	HZ	407	355	IAML	1830	9.537			10	0.5				
KKS	HZ	409	1	EP	1829	7.246	-0.04							0.7
SDA	HZ	412	351	EP	1829	6.353	-1.27							0.7
BCI	HZ	442	358	EP	1829	1.319	-0.20							0.7
BCI	HZ	442	358	IAML	1830	9.058			21	0.3				
RZM	EZ	443	352	EP	1829	0.673	-1.18							0.7
RZM	EZ	443	352	IAML	1830	8.718			14	0.7				
AL01AHZ		443	352	IAML	1830	8.718			25	0.7				
MRVN	HZ	460	311	EP	1829	3.721	-0.14							0.7

August 3 2024 Hour: 4:1 8.0 Lat: 39.13N Lon: 20.19E D: 19.8 Ag: TIR Local
Magnitudes: 2.5ML TIR 3.0MW TIR Rms: 0.3 secs
59 km S of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LKD2	HZ	55	133	EP		0401	7.663	-0.45							1.0
LKD2	HN	55	133	ES		0401	6.593	0.29							1.0
KEK	HZ	74	333	EP		0401	1.142	0.03							1.0
KEK	HN	74	333	ES		0401	1.857	0.12							1.0
KEK	HZ	74	333	IAML		0401	2.078			89	0.5				
SRN	HZ	85	349	EP		0401	2.963	-0.07							1.0
SRN	HN	85	349	ES		0401	5.269	0.05							1.0
SRN	HZ	85	349	IAML		0401	9.080			42	0.3				
VLS	HZ	111	162	EP		0401	7.428	0.14							1.0
VLS	HN	111	162	ES		0401	3.074	0.17							1.0
LSK	HZ	119	17	EP		0401	8.834	0.23							1.0
LSK	HN	119	17	ES		0401	5.392	0.10							1.0
LSK	HZ	119	17	IAML		0401	1.408			54	0.5				
PLSA	EZ	125	337	EP		0401	9.695	0.11							1.0
PLSA	EZ	125	337	ES		0401	7.055	-0.01							1.0
PLSA	EZ	125	337	IAML		0401	4.754			34	0.3				
TPE	HZ	131	353	EP		0401	0.494	0.09							1.0
TPE	HN	131	353	ES		0401	8.568	0.02							1.0
TPE	HZ	131	353	IAML		0401	5.294			54	0.6				
PENT	HZ	144	34	EP		0401	1.570	-0.97							1.0
PENT	HN	144	34	ES		0401	2.449	0.03							1.0
NEST	HZ	161	27	EP		0401	5.127	0.10							0.9
NEST	HE	161	27	ES		0401	7.169	0.25							0.9
NEST	HZ	161	27	IAML		0402	2.911			34	0.5				

VLO	HZ	161	338	EP	0401	5.064	0.17										0.9
VLO	HN	161	338	ES	0401	6.680	0.00										0.9
THL	HZ	164	72	EP	0401	5.370	0.00										0.9
THL	HE	164	72	ES	0401	7.567	0.03										0.9
BERA	HZ	176	353	EP	0401	6.924	0.02										0.9
BERA	HN	176	353	ES	0402	0.433	0.11										0.9
BERA	HZ	176	353	IAML	0402	0.416				19	0.1						
SCTE	HZ	182	306	EP	0401	6.973	-0.64										0.9
SCTE	HN	182	306	ES	0402	1.647	0.05										0.9
KZN	HZ	188	45	EP	0401	8.476	-0.07										0.9
KZN	HN	188	45	ES	0402	3.178	-0.11										0.9
BELS	EZ	206	353	EP	0401	0.924	0.16										0.9

August 4 2024 Hour: 2: 4 6.7 Lat: 40.81N Lon: 20.78E D: 10.0F Ag: TIR Local
Magnitudes: 2.6ML TIR 3.1MW TIR Rms: 0.4 secs

10 km W of Pustec

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GE03	EZ			IP	0A	0204	9.900								
AL07AHZ		14	322	EP	C	0204	9.047	-0.27							1.0
AL07AHN		14	322	ES		0204	1.029	-0.40							1.0
AL07AHZ		14	322	IAML		0204	2.945			4360	0.4				
KBN	HZ	20	178	EP	C	0204	0.663	0.23							1.0
KBN	HE	20	178	ES		0204	3.672	0.21							1.0
KBN	HZ	20	178	IAML		0204	9.448			562	0.7				
AL05AHN		35	251	ES		0204	8.117	0.14							1.0
MOGL	EE	35	251	ES		0204	8.037	0.05							1.0
AL05AHZ		35	251	EP	D	0204	3.016	0.08							1.0
AL05AHZ		35	251	IAML		0204	2.046			502	0.4				
MOGL	EZ	35	251	EP	D	0204	2.990	0.06							1.0
MOGL	EZ	35	251	IAML		0204	1.995			287	0.5				
NEST	HZ	49	152	EP	C	0204	5.864	0.35							1.0
NEST	HN	49	152	ES		0204	2.517	-0.14							1.0
NEST	HZ	49	152	IAML		0204	4.319			201	0.3				
AL08AHZ		66	301	EP		0204	8.509	-0.00							1.0
AL08AHE		66	301	ES		0204	8.170	0.09							1.0
BERA	HZ	71	262	EP	C	0204	8.425	-1.01							1.0
BERA	HN	71	262	ES		0204	9.713	-0.04							1.0
BERA	HZ	71	262	IAML		0204	7.992			81	0.6				
PENT	HZ	74	156	EP		0204	0.003	0.01							1.0
LSK	HZ	74	192	EP		0204	0.072	0.06							1.0
LSK	HN	74	192	ES		0204	0.694	-0.10							1.0
LSK	HZ	74	192	IAML		0204	5.852			143	0.6				
BELS	EZ	75	284	EP	C	0204	9.536	-0.63							1.0
TPE	HZ	86	229	EP		0204	1.451	-0.62							1.0
TPE	HZ	86	229	IAML		0204	2.849			66	1.1				
TIR	HZ	98	308	EP		0204	3.958	-0.11							1.0
TIR	HZ	98	308	IAML		0205	9.410			26	2.2				
KZN	HZ	101	123	EP	D	0204	3.737	-0.88							1.0
KZN	HN	101	123	ES		0204	8.917	-0.21							1.0
PHP	HZ	102	344	EP		0204	4.631	-0.16							1.0
PHP	HN	102	344	ES		0204	9.067	-0.37							1.0
PHP	HZ	102	344	IAML		0204	4.104			65	0.7				
AL04AHZ		105	283	EP		0204	5.504	0.22							1.0
AL04AHZ		105	283	IAML		0205	3.035			69	1.9				
BURR	EZ	110	324	EP		0204	6.022	-0.08							1.0
BURR	EZ	110	324	IAML		0204	7.998			31	0.6				
SRN	HZ	122	213	EP		0204	8.292	0.15							1.0
SRN	HZ	122	213	IAML		0204	3.283			31	0.5				
LACI	HZ	128	316	EP		0204	9.142	-0.02							1.0
LACI	HZ	128	316	IAML		0204	3.070			41	0.5				
KKS	HZ	144	348	EP		0204	1.901	0.03							1.0
KEK	HZ	147	215	EP		0204	2.952	0.63							1.0
KEK	HZ	147	215	IAML		0204	9.451			52	0.7				
PUK	HZ	156	332	EP		0204	4.353	0.48							1.0

PUK	HZ	156	332	IAML	0205	1.365			22	0.5				
THL	HZ	173	142	EP	0204	6.427	-0.25							0.9
SDA	HZ	175	323	EP	0204	7.106	0.19							0.9
BCI	HZ	183	341	EP	0204	8.501	0.26							0.9
BCI	HZ	183	341	IAML	0205	8.277			37	0.6				
AL01AHZ		200	329	EP	0204	1.053	0.65							0.9
RZM	EZ	200	329	EP	0204	0.727	0.32							0.9
GMRK	HZ	209	10	EP	0204	1.859	0.24							0.9
PVY	HZ	210	341	EP	0204	2.236	0.45							0.9
LKD2	HZ	224	183	EP	0204	4.110	0.65							0.9
NKME	HZ	266	326	EP	0204	9.304	0.50							0.9
VLS	HZ	292	183	EP	0204	1.976	-0.20							0.8
ME02AHZ		295	333	EP	0204	2.812	0.13							0.8

August 4 2024 Hour: 7:54 5.2 Lat: 39.64N Lon: 20.35E D: 10.0F Ag: TIR Local
Magnitudes: 3.1ML TIR 3.5MW TIR Rms: 0.6 secs
14 km E of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SELS	SZ			IP	A	0755	3.750								
SRN	HZ	40	311	EP		0754	1.678	-0.88							1.0
SRN	HN	40	311	ES		0754	7.948	-0.58							1.0
SRN	HZ	40	311	IAML		0754	5.768		708	0.7					
JAN	HE	43	88	ES		0754	8.259	-1.19							1.0
KEK	HZ	48	279	EP	D	0754	3.348	-0.63							1.0
KEK	HN	48	279	ES		0754	0.498	-0.60							1.0
KEK	HZ	48	279	IAML		0754	5.220		1307	0.6					
LSK	HZ	60	20	EP	D	0754	4.928	-1.11							1.0
LSK	HN	60	20	ES		0754	3.779	-1.04							1.0
LSK	HZ	60	20	IAML		0754	6.976		605	0.5					
TPE	HZ	78	338	EP		0754	7.985	-0.97							1.0
TPE	HN	78	338	ES		0754	9.811	-0.29							1.0
TPE	HZ	78	338	IAML		0754	2.469		404	0.7					
PLSA	EZ	85	313	EP		0754	9.955	-0.22							1.0
PENT	HZ	91	47	EP	D	0754	0.404	-0.80							1.0
PENT	HN	91	47	ES		0754	4.098	-0.07							1.0
LKD2	HZ	98	164	EP		0754	2.152	-0.25							1.0
NEST	HZ	104	35	EP		0754	2.964	-0.45							1.0
NEST	HZ	104	35	IAML		0754	0.834		217	0.5					
KBN	HZ	115	19	EP		0754	5.152	-0.03							1.0
KBN	HZ	115	19	IAML		0754	1.096		146	0.7					
VLO	HZ	117	322	EP		0754	6.027	0.52							1.0
VLO	HZ	117	322	IAML		0754	9.790		328	0.4					
MOGL	EZ	118	2	EP		0754	5.418	-0.24							1.0
AL05AHZ		118	2	IAML		0755	0.757		130	1.7					
MOGL	EZ	118	2	IAML		0755	1.593		76	0.5					
AL05AHZ		118	2	EP		0754	5.613	-0.05							1.0
BERA	HZ	123	344	EP		0754	6.844	0.32							1.0
BERA	HN	123	344	ES		0754	4.492	0.70							1.0
BERA	HZ	123	344	IAML		0754	5.895		179	0.7					
KZN	HZ	142	58	EP		0754	9.670	0.01							1.0
THL	HZ	143	93	EP		0754	9.917	0.11							1.0
THL	HE	143	93	ES		0754	0.329	0.59							1.0
BELS	EZ	152	346	EP		0754	1.906	0.58							1.0
VLS	HZ	164	173	EP		0754	3.475	0.15							0.9
AL08AHZ		164	353	EP		0754	3.619	0.35							0.9
AL04AHZ		166	336	EP		0754	4.094	0.51							0.9
AL04AHZ		166	336	IAML		0755	5.785		154	0.6					
SCTE	HZ	168	287	EP		0754	3.479	-0.52							0.9
TIR	HZ	194	348	EP		0754	8.116	0.70							0.9
TIR	HZ	194	348	IAML		0755	6.101		34	0.7					
AL02AHZ		212	338	EP		0754	0.766	1.02							0.9
BURR	EZ	219	352	EP		0754	1.760	1.03							0.9
BURR	EZ	219	352	IAML		0755	8.836		50	1.1					
AL03AHZ		219	352	EP		0754	1.737	1.00							0.9

AL03AHZ	219	352	IAML	0755	8.837				91	1.2				
PHP HZ	227	2	EP	0754	2.117	0.40								0.9
PHP HZ	227	2	IAML	0755	8.601				58	0.8				
LACI HZ	228	347	EP	0754	2.354	0.59								0.9
LACI HZ	228	347	IAML	0755	0.740				51	1.4				
THE HZ	248	63	EP	0754	4.871	0.48								0.9
PUK HZ	269	352	EP	0754	7.640	0.46								0.9
PUK HZ	269	352	IAML	0755	5.969				21	0.6				
PLG HZ	276	72	EP	0754	8.646	0.62								0.8
SDA HZ	277	345	EP	0754	8.269	0.23								0.8
BCI HZ	303	356	EP	0754	2.171	0.66								0.8
BCI HZ	303	356	IAML	0755	8.681				39	0.8				
RZM EZ	308	348	EP	0754	2.926	0.78								0.8
AL01AHZ	308	348	EP	0754	1.667	-0.48								0.8
AL01AHZ	308	348	IAML	0755	8.052				33	1.1				
PVY HZ	329	354	EP	0754	5.695	0.75								0.8

August 5 2024 Hour: 7:20 20.8 Lat: 38.41N Lon: 20.40E D: 8.8 Ag: TIR Local
Magnitudes: 3.0ML TIR 2.9MW TIR Rms: 0.4 secs
139 km S of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SELS	SZ			IP	0A	0721	5.050								
VLS	HZ	31	147	EP		0720	6.918	0.30							1.0
VLS	HN	31	147	ES		0720	1.171	-0.16							1.0
LKD2	HZ	47	29	EP		0720	9.532	0.11							1.0
LKD2	HN	47	29	ES		0720	6.132	-0.28							1.0
KEK	HZ	153	340	EP		0720	7.918	0.73							1.0
KEK	HZ	153	340	IAML		0721	0.548			151	0.4				
SRN	HZ	166	348	EP		0720	9.408	0.05							0.9
SRN	HZ	166	348	IAML		0721	4.184			69	0.5				
THL	HZ	190	47	EP		0720	3.110	0.48							0.9
THL	HN	190	47	ES		0721	8.729	0.32							0.9
ITM	HZ	192	135	EP		0720	2.843	-0.15							0.9
LSK	HZ	193	5	EP		0720	3.397	0.17							0.9
LSK	HZ	193	5	IAML		0721	0.065			109	0.8				
PENT	HZ	208	18	EP		0720	4.428	-0.67							0.9
TPE	HZ	211	351	EP		0720	5.805	0.38							0.9
NEST	HZ	229	14	EP		0720	7.628	-0.18							0.9
NEST	HZ	229	14	IAML		0721	8.086			45	0.6				
SCTE	HZ	248	318	EP		0720	9.696	-0.45							0.9
MOGL	EZ	254	360	EP		0721	0.938	-0.04							0.9
BERA	HZ	258	351	EP		0721	1.104	-0.26							0.9
BERA	HZ	258	351	IAML		0721	6.620			42	0.4				
BELS	EZ	287	352	EP		0721	4.680	-0.43							0.8
PLG	HZ	341	49	EP		0721	1.888	-0.19							0.8
LACI	HZ	362	351	IAML		0721	5.224			15	0.4				
PUK	HZ	405	354	IAML		0722	5.702			9	0.3				

August 8 2024 Hour: 10:16 29.3 Lat: 38.42N Lon: 20.50E D: 4.5 Ag: TIR Local
Magnitudes: 2.5ML TIR 3.2MW TIR Rms: 0.3 secs
140 km S of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VLS	HZ	29	164	EP		1016	4.013	-0.41							1.0
VLS	HN	29	164	ES		1016	8.393	-0.21							1.0
LKD2	HZ	43	18	EP		1016	7.052	0.11							1.0
LKD2	HN	43	18	ES		1016	3.270	0.11							1.0
JAN	HE	140	12	ES		1017	3.503	-0.12							1.0
KEK	HZ	155	337	EP		1016	6.377	0.07							1.0
KEK	HN	155	337	ES		1017	7.660	-0.56							1.0
KEK	HZ	155	337	IAML		1017	1.336			71	0.5				
SRN	HZ	167	345	EP		1016	8.527	0.26							0.9
SRN	HZ	167	345	IAML		1017	4.734			25	0.5				
ITM	HZ	187	137	EP		1017	1.426	0.16							0.9
ITM	HE	187	137	ES		1017	7.386	0.19							0.9

LSK	HZ	192	2	EP		1017	2.119	0.12									0.9
LSK	HZ	192	2	IAML		1017	2.206		68	0.7							
PRMT	EZ	201	356	EP		1017	3.405	0.34									0.9
PENT	HZ	204	15	EP		1017	3.702	0.09									0.9
PENT	HN	204	15	ES		1017	0.603	-0.83									0.9
PLSA	EZ	208	339	EP		1017	4.395	0.43									0.9
PLSA	EZ	208	339	IAML		1017	9.761		18	1.2							
TPE	HZ	212	349	EP		1017	4.692	0.21									0.9
NEST	HZ	226	12	EP		1017	6.672	0.28									0.9
NEST	HZ	226	12	IAML		1017	1.836		14	1.4							
AL05AHZ		253	358	EP		1017	9.741	-0.11									0.9

August 8 2024 Hour: 19:15 17.7 Lat: 38.42N Lon: 20.37E D: 5.6 Ag: TIR Local
Magnitudes: 2.9ML TIR 3.1MW TIR Rms: 0.4 secs
138 km S of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VLS	HZ	33	144	EP		1915	3.730	0.10							1.0
VLS	HN	33	144	ES		1915	8.061	-0.40							1.0
LKD2	HZ	48	31	EP		1915	6.388	0.05							1.0
LKD2	HN	48	31	ES		1915	3.393	0.04							1.0
KEK	HZ	152	341	EP		1915	4.098	0.01							1.0
KEK	HN	152	341	ES		1916	5.888	0.40							1.0
KEK	HZ	152	341	IAML		1916	2.207		82	0.6					
SRN	HZ	165	349	EP		1915	6.353	0.05							0.9
SRN	HE	165	349	ES		1916	9.117	-0.37							0.9
SRN	HZ	165	349	IAML		1916	6.212		29	0.4					
THL	HZ	191	48	EP		1915	0.463	0.39							0.9
THL	HN	191	48	ES		1916	5.985	-0.33							0.9
LSK	HZ	193	6	EP		1915	1.079	0.61							0.9
LSK	HE	193	6	ES		1916	6.712	-0.33							0.9
LSK	HZ	193	6	IAML		1916	2.392		80	0.6					
ITM	HZ	194	135	EP		1915	0.692	0.19							0.9
ITM	HE	194	135	ES		1916	7.330	0.23							0.9
PRMT	EZ	201	360	EP		1915	1.688	0.30							0.9
PRMT	EZ	201	360	IAML		1916	6.054		22	0.4					
PLSA	EZ	204	342	EP		1915	1.467	-0.37							0.9
PENT	HZ	208	18	EP		1915	2.651	0.25							0.9
AL05AHZ		254	0	EP		1915	8.550	0.35							0.9
BERA	HZ	257	352	EP		1915	8.538	-0.01							0.9
BELS	EZ	286	352	EP		1916	1.629	-0.66							0.8
LACI	HZ	362	351	IAML		1916	0.798		13	0.6					
PHP	HZ	363	1	EP		1916	2.033	-0.14							0.8
PUK	HZ	405	354	EP		1916	7.714	0.16							0.7
PUK	HZ	405	354	IAML		1917	6.569		4	0.3					
AL01AHZ		442	351	EP		1916	1.400	-0.96							0.7
AL01AHZ		442	351	IAML		1917	8.856		10	0.5					

August 8 2024 Hour: 19:18 12.3 Lat: 38.40N Lon: 20.37E D: 7.6 Ag: TIR Local
Magnitudes: 3.3ML TIR 3.5MW TIR Rms: 0.3 secs
140 km S of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VLS	HZ	31	142	EP		1918	8.315	0.18							1.0
VLS	HE	31	142	ES		1918	2.690	-0.13							1.0
LKD2	HZ	50	30	EP		1918	1.454	0.11							1.0
LKD2	HE	50	30	ES		1918	8.257	-0.38							1.0
KEK	HZ	154	341	EP		1918	9.245	0.33							1.0
KEK	HZ	154	341	IAML		1919	6.273		298	0.5					
SRN	HZ	167	349	EP		1918	1.600	0.46							0.9
SRN	HZ	167	349	IAML		1919	1.258		100	0.6					
THL	HZ	192	47	EP		1918	4.646	-0.01							0.9
ITM	HZ	193	134	EP		1918	4.656	-0.11							0.9
LSK	HZ	195	6	EP		1918	5.463	0.33							0.9
LSK	HZ	195	6	IAML		1919	7.568		374	0.7					
PRMT	EZ	203	360	EP		1918	5.701	-0.34							0.9

PLSA	EZ	206	342	EP	1918	6.647	0.17										0.9
PLSA	EZ	206	342	IAML	1919	4.640			83	0.7							
PENT	HZ	210	18	EP	1918	7.338	0.29										0.9
NEST	HZ	231	14	EP	1918	0.126	0.38										0.9
NEST	HZ	231	14	IAML	1919	5.179			88	0.6							
KZN	HZ	244	29	EP	1918	1.543	0.21										0.9
SCTE	HZ	248	319	EP	1918	1.000	-0.78										0.9
AL05AHZ		256	0	EP	1918	2.990	0.13										0.9
BERA	HZ	259	352	EP	1918	3.033	-0.16										0.9
BERA	HZ	259	352	IAML	1919	4.188			74	1.0							
BELS	EZ	288	352	EP	1918	6.356	-0.59										0.8
PHP	HZ	365	1	IAML	1919	6.816			27	0.6							
PUK	HZ	406	354	EP	1919	1.889	-0.32										0.7
PUK	HZ	406	354	IAML	1920	6.785			18	0.5							

August 10 2024 Hour: 11: 9 25.0 Lat: 38.42N Lon: 20.37E D: 8.1 Ag: TIR Local
Magnitudes: 3.2ML TIR 3.5MW TIR Rms: 0.4 secs
139 km S of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VLS	HZ	33	144	EP		1109	1.410	0.36							1.0
VLS	HE	33	144	ES		1109	5.709	-0.24							1.0
LKD2	HZ	49	31	EP		1109	4.303	0.49							1.0
LKD2	HN	49	31	ES		1109	0.906	-0.05							1.0
JAN	HE	144	17	ES		1110	9.926	-0.21							1.0
KEK	HZ	152	341	EP		1109	1.676	0.38							1.0
KEK	HN	152	341	ES		1110	2.443	-0.15							1.0
KEK	HZ	152	341	IAML		1110	8.758			300	0.5				
SRN	HZ	166	349	EP		1109	3.512	-0.01							0.9
SRN	HE	166	349	ES		1110	6.403	-0.21							0.9
SRN	HZ	166	349	IAML		1110	4.213			93	0.6				
THL	HZ	191	48	EP		1109	7.251	0.10							0.9
THL	HE	191	48	ES		1110	2.882	-0.31							0.9
LSK	HZ	194	6	IAML		1110	0.176			312	0.6				
ITM	HN	194	135	ES		1110	4.211	0.34							0.9
LSK	HE	194	6	ES		1110	4.449	0.55							0.9
ITM	HZ	194	135	EP		1109	7.383	-0.14							0.9
PRMT	EZ	201	360	EP		1109	8.723	0.27							0.9
PRMT	EZ	201	360	IAML		1110	3.813			71	0.5				
PLSA	EZ	205	342	EP		1109	8.529	-0.36							0.9
PLSA	EZ	205	342	IAML		1110	6.751			68	0.9				
PENT	HZ	209	18	EP		1110	0.031	0.55							0.9
PENT	HN	209	18	ES		1110	7.895	0.50							0.9
TPE	HZ	211	352	EP		1109	9.736	0.07							0.9
TPE	HE	211	352	ES		1110	8.179	0.44							0.9
TPE	HZ	211	352	IAML		1110	7.378			114	0.6				
NEST	HZ	230	15	IAML		1110	6.189			61	0.5				
KZN	HZ	242	29	EP		1110	3.832	0.05							0.9
KZN	HN	242	29	ES		1110	4.757	-0.43							0.9
SCTE	HZ	247	319	EP		1110	3.770	-0.45							0.9
MOGL	EZ	254	0	EP		1110	5.260	-0.01							0.9
AL05AHZ		254	0	EP		1110	5.699	0.43							0.9
BERA	HZ	257	352	EP		1110	5.722	0.12							0.9
BERA	HZ	257	352	IAML		1110	4.789			97	0.8				
BELS	EZ	286	352	EP		1110	9.143	-0.21							0.8
BELS	EZ	286	352	IAML		1110	4.984			21	0.6				
PLG	HZ	343	50	EP		1110	5.372	-1.24							0.8
BURR	EZ	355	355	EP		1110	7.698	-0.49							0.8
AL03AHZ		355	355	EP		1110	7.660	-0.53							0.8
AL03AHZ		355	355	IAML		1111	5.566			29	0.5				
PHP	HZ	363	1	EP		1110	8.851	-0.39							0.8
PHP	HZ	363	1	IAML		1110	9.049			25	0.6				
PUK	HZ	405	354	IAML		1111	9.252			15	0.5				

August 13 2024 Hour: 22:49 47.5 Lat: 41.14N Lon: 19.60E D: 21.0 Ag: TIR Local
 Magnitudes: 2.7ML TIR 3.1MW TIR Rms: 0.5 secs
 5 km SE of Kavaje

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GE03	EZ			IP	0A	2249	5.190								
SELS	SZ			IP	0A	2250	7.900								
AL04AHZ		15	191	EP	D	2249	2.581	0.58							1.0
AL04AHN		15	191	ES		2249	5.806	0.16							1.0
AL04AHZ		15	191	IAML		2250	0.050		2128	0.3					
DRSH	EZ	17	338	EP	C	2249	2.821	0.68							1.0
DRSH	EN	17	338	ES		2249	5.877	-0.03							1.0
DRSH	EZ	17	338	IAML		2250	1.620		358	0.5					
TIR	HZ	32	45	EP	D	2249	3.911	-0.22							1.0
TIR	HN	32	45	ES		2249	9.357	-0.14							1.0
TIR	HZ	32	45	IAML		2250	8.901		194	0.5					
BELS	EZ	33	125	EP		2249	4.295	0.07							1.0
BELS	EN	33	125	ES		2250	0.026	0.34							1.0
BELS	EZ	33	125	IAML		2250	2.976		192	0.5					
AL08AHZ		43	95	EP		2249	5.370	-0.35							1.0
AL08AHN		43	95	ES		2250	2.497	0.11							1.0
AL08AHZ		43	95	IAML		2250	5.118		348	0.6					
BPA2	HZ	46	178	EP		2249	6.382	0.20							1.0
LACI	HZ	56	10	EP	C	2249	7.745	-0.02							1.0
LACI	HN	56	10	ES		2250	5.871	-0.22							1.0
LACI	HZ	56	10	IAML		2250	8.687		149	0.5					
BERA	HZ	57	149	EP		2249	7.337	-0.65							1.0
BERA	HZ	57	149	IAML		2250	7.967		133	0.4					
AL03AHZ		61	34	EP		2249	8.051	-0.63							1.0
AL03AHN		61	34	ES		2250	7.584	-0.16							1.0
AL03AHZ		61	34	IAML		2250	1.186		158	0.6					
BURR	EZ	61	34	EP		2249	7.980	-0.70							1.0
BURR	EZ	61	34	IAML		2250	1.186		88	0.3					
FUST	EZ	70	73	EP		2249	9.193	-0.96							1.0
FUST	EZ	70	73	IAML		2250	9.615		28	0.5					
VLO	HZ	75	187	EP		2250	1.115	0.19							1.0
VLO	HZ	75	187	IAML		2250	7.182		139	0.4					
AL05AHE		83	126	ES		2250	4.112	0.06							1.0
MOGL	EZ	83	126	IAML		2250	0.109		57	0.4					
AL05AHZ		83	126	IAML		2250	0.109		103	0.4					
MOGL	EZ	83	126	EP		2250	1.793	-0.37							1.0
AL05AHZ		83	126	EP		2250	1.793	-0.38							1.0
PHP	HZ	93	49	EP		2250	2.548	-1.29							1.0
PHP	HE	93	49	ES		2250	7.281	0.20							1.0
AL07AHZ		95	106	EP		2250	4.220	0.02							1.0
SDA	HZ	101	355	IAML		2250	2.393		39	1.0					
TPE	HZ	101	159	EP		2250	5.392	0.30							1.0
SDA	HZ	101	355	EP		2250	5.140	-0.03							1.0
TPE	HE	101	159	ES		2250	9.578	0.24							1.0
PUK	HZ	103	14	EP		2250	5.503	-0.03							1.0
PUK	HE	103	14	ES		2250	2.062	1.91							1.0
PUK	HZ	103	14	IAML		2250	5.462		77	0.7					
PLSA	EZ	108	179	EP		2250	6.364	0.01							1.0
PLSA	EZ	108	179	IAML		2250	6.741		35	0.5					
KBN	HZ	116	119	EP		2250	7.616	0.09							1.0
KBN	HE	116	119	ES		2250	4.149	0.39							1.0
KBN	HZ	116	119	IAML		2250	3.386		66	0.6					
PRMT	EZ	120	148	EP		2250	8.348	0.21							1.0
PRMT	EE	120	148	ES		2250	4.944	0.08							1.0
PRMT	EZ	120	148	IAML		2250	0.334		41	0.4					
KKS	HZ	123	33	EP		2250	8.311	-0.37							1.0
RZM	EZ	134	358	EP		2250	0.755	0.35							1.0
RZM	EZ	134	358	IAML		2250	0.341		67	0.7					
AL01AHZ		134	358	EP		2250	0.425	0.02							1.0

AL01AHZ	134	358	IAML	2250	0.451				114	0.5				
LSK HZ	139	142	EP	2250	1.305	0.09								1.0
LSK HZ	139	142	IAML	2250	5.855				74	0.6				
BCI HZ	142	16	EP	2250	1.305	-0.26								1.0
BCI HZ	142	16	IAML	2250	2.981				133	1.0				
SRN HZ	144	166	EP	2250	2.142	0.18								1.0
SRN HN	144	166	ES	2250	1.402	-0.38								1.0
SRN HZ	144	166	IAML	2250	4.741				33	0.7				
PDG HZ	146	349	EP	2250	1.965	-0.22								1.0
PDG HN	146	349	ES	2250	1.402	-0.78								1.0
PDG HZ	146	349	IAML	2250	1.771				108	0.6				
NEST HZ	147	123	EP	2250	3.095	0.64								1.0
NEST HZ	147	123	IAML	2250	3.311				71	1.1				
SCTE HZ	152	219	EP	2250	2.767	-0.46								1.0
PRZK HZ	153	39	EP	2250	3.913	0.54								1.0
KEK HZ	160	174	EP	2250	3.600	-0.56								0.9
KEK HZ	160	174	IAML	2250	7.761				54	0.4				
PVY HZ	164	10	EP	2250	4.909	0.05								0.9
PVY HE	164	10	ES	2250	7.065	0.04								0.9
PVY HZ	164	10	IAML	2250	9.532				132	0.4				
PENT HZ	167	128	EP	2250	5.996	0.73								0.9
ME05AHZ	172	329	EP	2250	5.058	-0.66								0.9
ME05AHZ	172	329	IAML	2250	3.801				71	0.6				
PEJK HZ	176	19	EP	2250	6.829	0.50								0.9
PEJK HZ	176	19	IAML	2250	1.302				82	1.5				
NKME HZ	188	344	EP	2250	7.766	-0.11								0.9
NKME HZ	188	344	IAML	2250	4.530				30	0.4				
ME01AHZ	191	7	EP	2250	9.640	1.44								0.9
KZN HZ	206	116	EP	2250	0.578	0.42								0.9
GMRK HZ	216	38	EP	2250	1.827	0.39								0.9
ME02AHZ	227	350	EP	2250	3.077	0.12								0.9
ME02AHZ	227	350	IAML	2250	7.756				24	0.6				
SJES BZ	237	7	EP	2250	4.524	0.27								0.9
LKD2 HZ	277	161	EP	2250	7.868	-1.31								0.8
BOSS SZ	282	57	EP	2250	9.625	-0.24								0.8
THE HZ	289	100	EP	2250	0.680	-0.10								0.8

August 16 2024 Hour: 16:13 41.1 Lat: 38.82N Lon: 20.57E D: 3.1 Ag: TIR Local
Magnitudes: 2.5ML TIR 3.0MW TIR Rms: 0.2 secs
99 km S of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LKD2	HZ	8	113	EP		1613	2.720	0.03							1.0
LKD2	HN	8	113	ES		1613	4.092	0.13							1.0
VLS	HZ	71	179	EP		1613	3.241	-0.58							1.0
VLS	HN	71	179	ES		1614	4.350	0.23							1.0
JAN	HZ	96	14	EP		1613	8.270	-0.04							1.0
JAN	HN	96	14	ES		1614	2.211	-0.03							1.0
KEK	HZ	120	326	EP		1614	2.477	0.17							1.0
KEK	HN	120	326	ES		1614	9.491	0.01							1.0
KEK	HZ	120	326	IAML		1614	3.042			51	0.2				
SRN	HZ	128	338	EP		1614	3.729	0.09							1.0
SRN	HN	128	338	ES		1614	1.975	0.09							1.0
SRN	HZ	128	338	IAML		1614	7.121			23	1.0				
LSK	HZ	148	1	EP		1614	7.068	0.02							1.0
LSK	HN	148	1	ES		1614	7.959	-0.10							1.0
LSK	HZ	148	1	IAML		1614	6.668			36	0.5				
THL	HZ	150	56	EP		1614	7.552	0.27							1.0
THL	HN	150	56	ES		1614	8.445	-0.03							1.0
PRMT	EZ	158	353	EP		1614	8.846	0.19							0.9
PRMT	EN	158	353	ES		1614	0.570	-0.39							0.9
PRMT	EZ	158	353	IAML		1614	4.318			21	0.3				
PENT	HZ	161	17	EP		1614	8.846	-0.32							0.9
PENT	HN	161	17	ES		1614	1.980	0.09							0.9
TPE	HZ	171	344	EP		1614	0.713	-0.11							0.9

TPE	HZ	171	344	IAML	1614	4.888			32	0.5				
TPE	HN	171	344	ES	1614	5.003	0.11							0.9
PLSA	EZ	171	332	EP	1614	0.726	-0.05							0.9
PLSA	EZ	171	332	ES	1614	4.970	0.18							0.9
PLSA	EZ	171	332	IAML	1614	5.786			24	0.1				
NEST	HZ	182	13	EP	1614	2.620	-0.11							0.9
NEST	HN	182	13	ES	1614	8.396	0.05							0.9
NEST	HZ	182	13	IAML	1614	1.828			15	0.6				
KZN	HZ	195	32	EP	1614	4.582	0.16							0.9
KZN	HN	195	32	ES	1614	1.306	-0.09							0.9
AL05AHZ		210	356	EP	1614	6.366	0.02							0.9
ITM	HZ	217	146	EP	1614	7.155	-0.08							0.9
ITM	HE	217	146	ES	1614	6.535	0.04							0.9
SCTE	HZ	229	308	EP	1614	8.767	0.11							0.9

August 23 2024 Hour: 0:020.6 Lat: 42.18N Lon: 19.72E D: 23.3 Ag: TIR Local
Magnitudes: 2.5ML TIR Rms: 0.4 secs
19 km N of Vau-Dejes

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SELS	SZ			IP	0A	0000	9.250								
GE03	EZ			IP	0A	0000	1.370								
PUK	HZ	21	137	EP	C	0000	6.224	0.12							1.0
PUK	HE	21	137	ES		0000	0.514	-0.06							1.0
PUK	HZ	21	137	IAML		0000	0.785		513	0.1					
SDA	HZ	23	232	EP	C	0000	6.249	-0.01							1.0
SDA	HE	23	232	ES		0000	0.501	-0.35							1.0
SDA	HZ	23	232	IAML		0000	0.607		1221	0.2					
AL01AHZ		23	323	EP	D	0000	6.633	0.22							1.0
AL01AHN		23	323	ES		0000	0.954	-0.18							1.0
AL01AHZ		23	323	IAML		0000	1.920		798	0.2					
BCI	HZ	35	54	EP	D	0000	8.379	0.45							1.0
BCI	HE	35	54	ES		0000	4.412	0.54							1.0
BCI	HZ	35	54	IAML		0000	5.492		297	0.1					
PDG	HZ	47	306	EP	D	0000	9.570	-0.03							1.0
PDG	HN	47	306	ES	C	0000	6.897	-0.00							1.0
PDG	HZ	47	306	IAML		0000	7.808		749	0.2					
PVY	HZ	50	23	EP	C	0000	0.670	0.48							1.0
PVY	HE	50	23	ES		0000	8.044	0.07							1.0
PVY	HZ	50	23	IAML		0000	9.107		677	0.3					
KKS	HZ	58	102	EP	D	0000	1.139	-0.15							1.0
KKS	HN	58	102	ES		0000	9.722	-0.23							1.0
KKS	HZ	58	102	IAML		0000	1.052		117	0.2					
LACI	HZ	60	180	EP	D	0000	1.198	-0.50							1.0
LACI	HN	60	180	ES		0000	0.016	-0.68							1.0
LACI	HZ	60	180	IAML		0000	0.622		51	0.2					
AL03AHZ		68	160	EP	D	0000	2.928	-0.09							1.0
AL03AHN		68	160	ES		0000	3.675	0.59							1.0
AL03AHZ		68	160	IAML		0000	5.244		157	0.4					
BURR	EZ	69	160	EP	D	0000	2.954	-0.07							1.0
BURR	EE	69	160	ES		0000	3.383	0.29							1.0
BURR	EZ	69	160	IAML		0000	5.673		96	0.4					
PEJK	HZ	69	42	EP	D	0000	3.269	0.14							1.0
PEJK	HN	69	42	ES		0000	2.904	-0.39							1.0
PEJK	HZ	69	42	IAML		0000	4.155		196	0.2					
ME01AHZ		75	10	EP	C	0000	4.619	0.52							1.0
ME01AHN		75	10	ES		0000	5.017	-0.03							1.0
ME01AHZ		75	10	IAML		0000	7.737		174	0.4					
PHP	HZ	81	132	EP	C	0000	4.683	-0.38							1.0
PHP	HN	81	132	ES		0000	6.224	-0.55							1.0
PHP	HZ	81	132	IAML		0000	7.861		65	0.2					
PRZK	HZ	86	87	EP	C	0000	5.962	0.19							1.0
PRZK	HN	86	87	ES		0000	7.794	-0.28							1.0
PRZK	HZ	86	87	IAML		0000	3.135		50	0.2					
AL02AHZ		90	198	IAML		0000	5.795		94	0.7					

NKME	HZ	91	316	EP		0000	5.987	-0.57									1.0
NKME	HE	91	316	ES		0000	8.661	-0.82									1.0
NKME	HZ	91	316	IAML		0000	9.551		105	0.3							
TIR	HZ	93	173	EP	C	0000	6.995	0.09									1.0
TIR	HN	93	173	ES		0000	1.007	0.88									1.0
TIR	HZ	93	173	IAML		0001	0.928		23	0.4							
DRSH	EZ	101	189	EP		0000	8.477	0.32									1.0
DRSH	EZ	101	189	IAML		0000	8.918		48	0.5							
ME05AHZ	105	288	EP	C	0000	8.682	0.00										1.0
ME05AHN	105	288	ES		0000	3.585	0.25										1.0
ME05AHZ	105	288	IAML		0000	7.561			305	0.3							
FUST	EZ	110	149	EP		0000	9.474	-0.21									1.0
FUST	EN	110	149	ES		0000	4.645	-0.51									1.0
FUST	EZ	110	149	IAML		0000	7.434		15	0.2							
ME02AHZ	119	336	EP	C	0000	1.363	0.29										1.0
ME02AHN	119	336	ES		0000	7.655	-0.00										1.0
ME02AHZ	119	336	IAML		0001	5.444			28	0.5							
SJES	BZ	122	10	EP	C	0000	1.933	0.43									1.0
SJES	BZ	122	10	ES		0000	8.360	-0.09									1.0
SJES	BZ	122	10	IAML		0001	2.431		135	0.4							
AL08AHZ	124	165	EP		0000	1.270	-0.42										1.0
AL08AHE	124	165	ES		0000	9.007	0.23										1.0
AL08AHZ	124	165	IAML		0000	9.537			34	0.0							
GMRK	HZ	134	66	EP	C	0000	3.755	0.30									1.0
GMRK	HN	134	66	ES		0001	1.147	-0.83									1.0
GMRK	HZ	134	66	IAML		0001	6.124		21	0.3							
BELS	EZ	135	173	EP		0000	3.305	-0.22									1.0
BELS	EN	135	173	ES		0001	2.479	0.37									1.0
BELS	EZ	135	173	IAML		0001	7.477		60	0.2							
BERA	HZ	165	173	EP	D	0000	7.962	0.32									0.9
BERA	HN	165	173	ES		0001	8.864	-0.68									0.9
BERA	HZ	165	173	IAML		0001	6.013		19	0.3							
MOGL	EZ	173	161	IAML		0001	6.362		13	0.3							
AL05AHZ	173	161	IAML		0001	9.196			23	0.4							
MOGL	EZ	173	161	EP		0000	8.823	0.06									0.9
AL05AHZ	173	161	EP		0000	9.216	0.45										0.9
BARS	BZ	186	67	EP	C	0000	0.388	-0.04									0.9
KBN	HZ	195	152	EP		0000	2.039	0.49									0.9
KBN	HZ	195	152	IAML		0001	0.157		10	0.4							
PRMT	EZ	223	166	EP		0000	5.542	0.40									0.9
PRMT	EZ	223	166	IAML		0001	7.132		7	0.5							
PLSA	EZ	224	182	EP		0000	5.015	-0.24									0.9
NEST	HZ	225	150	EP	C	0000	6.713	1.17									0.4
NEST	HZ	225	150	IAML		0001	9.789		11	0.4							
BOSS	SZ	229	80	EP	D	0000	5.779	-0.13									0.9
LSK	HZ	237	162	EP		0000	6.698	-0.34									0.9
LSK	HZ	237	162	IAML		0001	9.740		15	0.6							
PENT	HZ	250	151	EP	C	0000	9.788	1.04									0.4
SRN	HZ	257	175	EP		0000	9.132	-0.26									0.9
SRN	HZ	257	175	IAML		0001	8.156		9	0.3							
KZN	HZ	270	140	EP		0001	1.762	0.55									0.9

August 25 2024 Hour: 17:55 29.6 Lat: 38.23N Lon: 20.32E D: 10.3 Ag: TIR Local
Magnitudes: 3.2ML TIR 3.7MW TIR Rms: 0.4 secs
159 km S of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SELS	SZ			IP	A	1756	6.050								
VLS	HZ	24	103	EP		1755	4.802	0.52							1.0
VLS	HN	24	103	ES		1755	7.557	-0.52							1.0
KEK	HZ	171	345	EP		1755	9.476	0.56							0.9
KEK	HN	171	345	ES		1756	2.615	-0.04							0.9
KEK	HZ	171	345	IAML		1756	4.798		288	0.3					
ITM	HZ	183	129	EP		1756	0.527	0.10							0.9
ITM	HN	183	129	ES		1756	5.293	-0.11							0.9

SRN	HZ	186	351	EP	1756	1.290	0.55										0.9
SRN	HN	186	351	ES	1756	5.588	-0.38										0.9
SRN	HZ	186	351	IAML	1756	3.359			149	0.9							
THL	HZ	209	44	EP	1756	4.125	0.41										0.9
THL	HN	209	44	ES	1756	1.595	0.25										0.9
LSK	HZ	215	6	EP	1756	5.055	0.45										0.9
LSK	HN	215	6	ES	1756	2.952	0.00										0.9
LSK	HZ	215	6	IAML	1756	1.762			204	1.0							
PRMT	EZ	222	1	EP	1756	5.842	0.37										0.9
PRMT	EN	222	1	ES	1756	5.035	0.51										0.9
PRMT	EZ	222	1	IAML	1756	9.365			61	0.2							
PLSA	EZ	224	345	EP	1756	5.291	-0.36										0.9
PLSA	EZ	224	345	ES	1756	5.144	0.29										0.9
PLSA	EZ	224	345	IAML	1756	3.321			77	0.2							
PENT	HZ	230	18	EP	1756	6.942	0.42										0.9
TPE	HZ	231	354	EP	1756	7.281	0.68										0.9
TPE	HN	231	354	ES	1756	6.593	0.02										0.9
TPE	HZ	231	354	IAML	1756	6.732			225	0.5							
NEST	HZ	251	14	EP	1756	9.795	0.57										0.9
NEST	HN	251	14	ES	1756	1.078	-0.25										0.9
NEST	HZ	251	14	IAML	1756	2.553			54	0.6							
SCTE	HZ	260	323	EP	1756	0.267	-0.05										0.9
KZN	HZ	263	28	EP	1756	0.536	-0.17										0.9
KBN	HZ	269	8	EP	1756	2.080	0.54										0.9
MOGL	EZ	275	1	EP	1756	2.644	0.35										0.8
MOGL	EZ	275	1	IAML	1757	1.266			35	1.1							
AL05AHZ	275	1	EP	1756	2.506	0.21											0.8
AL05AHZ	275	1	IAML	1757	0.361				55	0.4							
BERA	HZ	277	353	EP	1756	2.074	-0.36										0.8
BERA	HN	277	353	ES	1756	7.329	0.20										0.8
BERA	HZ	277	353	IAML	1756	4.636			108	0.3							
BELS	EZ	307	354	EP	1756	5.662	-0.63										0.8
AL04AHZ	316	348	EP	1756	7.461	0.05											0.8
FUST	EZ	344	1	EP	1756	1.286	0.09										0.8
TIR	HZ	349	354	EP	1756	1.180	-0.50										0.8
TIR	HZ	349	354	IAML	1757	1.791			16	1.1							
PLG	HZ	360	48	EP	1756	2.306	-0.79										0.8
BURR	EZ	376	356	EP	1756	4.955	-0.20										0.8
AL03AHZ	376	356	EP	1756	4.905	-0.25											0.8
LACI	HZ	382	352	EP	1756	5.513	-0.43										0.8
LACI	HZ	382	352	IAML	1757	5.950			23	0.7							
PHP	HZ	384	1	EP	1756	5.927	-0.34										0.8
PHP	HN	384	1	ES	1757	1.790	-0.37										0.8
PHP	HZ	384	1	IAML	1757	3.046			18	0.5							
NOCI	HZ	399	316	EP	1756	7.749	-0.43										0.7
PUK	HZ	425	355	EP	1756	0.970	-0.61										0.7
PUK	HN	425	355	ES	1757	0.880	-0.90										0.7
PUK	HZ	425	355	IAML	1757	3.738			10	0.0							
BCI	HZ	460	357	EP	1756	4.794	-1.21										0.7
AL01AHZ	462	352	EP	1756	5.954	-0.39											0.7

August 27 2024 Hour: 0:39 19.2 Lat: 39.46N Lon: 19.91E D: 31.4 Ag: TIR Local
Magnitudes: 2.7ML TIR 2.9MW TIR Rms: 0.6 secs

32 km SW of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SELS	SZ			IP	A	0040	5.650								
GE03	EZ			IP	A	0039	2.950								
KEK	HZ	29	342	EP		0039	7.026	0.59							1.0
KEK	HN	29	342	ES		0039	2.565	0.22							1.0
KEK	HZ	29	342	IAML		0039	3.283			330	0.2				
SRN	HZ	47	10	EP		0039	8.810	0.13							1.0
SRN	HE	47	10	ES		0039	6.173	-0.22							1.0
SRN	HZ	47	10	IAML		0039	7.250			192	0.3				
PLSA	EZ	82	343	EP		0039	4.629	0.78							1.0

PLSA	EE	82	343	ES	0039	5.682-0.07			1.0
PLSA	EZ	82	343	IAML	0039	7.316	119	0.1	
TPE	HZ	93	6	EP	0039	6.064 0.52			1.0
TPE	HN	93	6	ES	0039	8.018-0.81			1.0
TPE	HZ	93	6	IAML	0039	9.232	104	0.2	
PRMT	EZ	93	24	EP	0039	5.357-0.24			1.0
PRMT	EN	93	24	ES	0039	8.328-0.59			1.0
PRMT	EZ	93	24	IAML	0039	8.848	98	0.2	
LSK	HZ	97	38	EP	0039	5.787-0.40			1.0
LSK	HE	97	38	ES	0039	9.395-0.59			1.0
LSK	HZ	97	38	IAML	0039	1.536	93	0.4	
PENT	HZ	133	52	EP	0039	1.704 0.16			1.0
BERA	HZ	138	1	EP	0039	3.401 1.29			1.0
BERA	HZ	138	1	IAML	0040	3.479	65	0.2	
MOGL	EZ	144	17	IAML	0040	5.957	17	0.2	
AL05AHZ		144	17	IAML	0040	5.709	34	0.2	
NEST	HZ	144	42	EP	0039	3.727 0.81			1.0
NEST	HZ	144	42	IAML	0040	3.051	16	0.3	
KBN	HZ	149	30	EP	0039	4.626 1.06			1.0
KBN	HZ	149	30	IAML	0040	9.702	11	0.3	
VLS	HZ	154	157	EP	0039	3.695-0.48			1.0
VLS	HN	154	157	ES	0040	3.607-0.83			1.0
BELS	EZ	168	0	IAML	0040	3.171	80	0.2	
THL	HZ	182	86	EP	0039	7.951 0.33			0.9
THL	HN	182	86	ES	0040	0.869 0.20			0.9
KZN	HZ	185	59	EP	0039	9.534 1.38			0.9
BURR	EZ	238	2	EP	0039	4.853-0.00			0.9
AL03AHZ		238	2	EP	0039	4.136-0.73			0.9
AL03AHZ		238	2	IAML	0040	4.289	13	0.6	
LACI	HZ	242	356	EP	0039	4.690-0.68			0.9
PHP	HZ	251	10	EP	0039	6.705 0.12			0.9
PHP	HZ	251	10	IAML	0040	3.338	9	0.8	
NOCI	HZ	284	302	EP	0039	9.982-0.76			0.8
PUK	HZ	287	360	EP	0040	0.413-0.78			0.8
PRZK	HZ	314	13	EP	0040	4.871 0.25			0.8
PLG	HZ	319	70	EP	0040	4.884-0.40			0.8
RZM	EZ	322	355	EP	0040	5.213-0.52			0.8
AL01AHZ		322	355	EP	0040	4.976-0.75			0.8
BCI	HZ	323	2	EP	0040	6.020 0.23			0.8