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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>.

May 1 2024 Hour: 10:19 58.1 Lat: 42.92N Lon: 18.72E D: 2.2 Ag: TIR Local
Magnitudes: 2.7ML TIR 2.7MW TIR Rms: 0.5 secs
97 km NW of Koplík

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
NKME	HZ	25	132	EP		1020	3.514	0.90							1.0
NKME	HN	25	132	ES		1020	7.505	1.24							1.0
NKME	HZ	25	132	IAML		1020	8.683			622	0.2				
ME02AHZ		42	51	EP		1020	6.000	0.39							1.0
ME02AHE		42	51	ES		1020	1.529	-0.17							1.0
ME02AHZ		42	51	IAML		1020	4.885			323	0.2				
ME05AHZ		54	199	EP		1020	7.817	0.11							1.0
ME05AHE		54	199	ES		1020	5.413	-0.08							1.0
ME05AHZ		54	199	IAML		1020	0.036			877	0.3				
PDG	HZ	70	141	EP		1020	9.998	-0.57							1.0
PDG	HZ	70	141	IAML		1020	4.474			80	0.2				
RZM	EZ	93	133	EP		1020	3.638	-1.03							1.0
RZM	EN	93	133	ES		1020	7.685	-0.40							1.0
RZM	EZ	93	133	IAML		1020	2.325			66	0.2				
AL01AHZ		93	133	EP		1020	3.621	-1.05							1.0
AL01AHN		93	133	ES		1020	7.709	-0.38							1.0
AL01AHZ		93	133	IAML		1020	2.300			108	0.1				
ME01AHZ		95	94	EP		1020	5.166	0.12							1.0
ME01AHE		95	94	ES		1020	8.993	0.22							1.0
PVY	HZ	107	109	EP		1020	7.831	0.57							1.0
PVY	HN	107	109	ES		1020	2.754	-0.03							1.0
SJES	BZ	109	69	EP		1020	7.944	0.43							1.0
SJES	BE	109	69	ES		1020	2.806	-0.44							1.0
SDA	HZ	116	146	EP		1020	8.444	-0.18							1.0
SDA	HZ	116	146	IAML		1020	2.038			23	0.2				
BCI	HZ	126	119	EP		1020	0.537	0.13							1.0
BCI	HN	126	119	ES		1020	8.055	-0.42							1.0
BCI	HZ	126	119	IAML		1020	3.716			86	0.3				
PEJK	HZ	131	103	EP		1020	1.540	0.31							1.0
PEJK	HN	131	103	ES		1020	9.701	-0.26							1.0
PEJK	HZ	131	103	IAML		1020	3.569			110	0.3				
PUK	HZ	137	135	EP		1020	2.159	-0.04							1.0
PUK	HE	137	135	ES		1020	2.273	0.56							1.0
PUK	HZ	137	135	IAML		1020	8.201			46	0.4				
LACI	HZ	164	150	EP		1020	6.061	-0.67							0.9
LACI	HN	164	150	ES		1020	9.775	-0.15							0.9
LACI	HZ	164	150	IAML		1020	0.568			25	0.5				
KKS	HZ	167	124	EP		1020	7.075	-0.11							0.9
AL02AHZ		177	161	EP		1020	9.708	0.92							0.9
AL02AHZ		177	161	IAML		1020	8.706			56	0.3				
AL03AHZ		180	144	ES		1020	5.063	0.23							0.9
BURR	EZ	180	144	EP		1020	9.065	-0.38							0.9
AL03AHZ		180	144	IAML		1020	8.141			48	0.6				
BURR	EN	180	144	ES		1020	5.183	0.34							0.9
BURR	EZ	180	144	IAML		1020	8.121			31	0.6				
AL03AHZ		180	144	EP		1020	9.065	-0.38							0.9
PHP	HZ	197	133	EP		1020	2.258	0.51							0.9
PHP	HZ	197	133	IAML		1021	7.175			24	0.4				
GMRK	HZ	206	97	EP		1020	2.779	-0.21							0.9
GMRK	HZ	206	97	IAML		1021	5.296			15	0.4				
BLY	HZ	238	329	EP		1020	7.066	0.07							0.9

May 4 2024 Hour: 8:39 18.0 Lat: 42.69N Lon: 19.00E D: 22.4 Ag: TIR Local
Magnitudes: 2.7ML TIR Rms: 0.3 secs
63 km NW of Koplík

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
NKME	HZ	10	334	EP		0839	2.381	0.08							1.0
NKME	HN	10	334	ES		0839	6.036	0.22							1.0
PDG	HZ	35	144	EP		0839	4.823	-0.37							1.0

PDG	HE	35	144	ES	0839	0.517-0.53											1.0
PDG	HZ	35	144	IAML	0839	0.600	669	0.2									
ME05AHZ		48	238	EP	0839	6.705-0.37											1.0
ME05AHN		48	238	ES	0839	4.598 0.14											1.0
RZM	EZ	50	139	EP	0839	8.100 0.64											1.0
RZM	EZ	50	139	ES	0839	5.473 0.32											1.0
ME02AHZ		53	10	EP	0839	7.812-0.17											1.0
ME02AHE		53	10	ES	0839	6.099-0.00											1.0
AL01AHZ		59	130	EP	0839	8.513-0.32											1.0
AL01AHN		59	130	ES	0839	7.059-0.57											1.0
ME01AHZ		74	76	EP	0839	1.456 0.20											1.0
ME01AHE		74	76	ES	0839	2.053 0.04											1.0
PVY	HZ	79	97	EP	0839	2.188 0.07											1.0
PVY	HN	79	97	ES	0839	3.709 0.13											1.0
SDA	HZ	82	150	EP	0839	2.042-0.44											1.0
SDA	HN	82	150	ES	0839	4.361 0.13											1.0
BCI	HZ	94	112	EP	0839	4.552 0.03											1.0
BCI	HE	94	112	ES	0839	7.964 0.03											1.0
BCI	HZ	94	112	IAML	0839	0.813	92	0.3									
SJES	BZ	102	51	EP	0839	5.698-0.03											1.0
PUK	HZ	102	134	EP	0839	5.875 0.05											1.0
PUK	HN	102	134	ES	0839	0.411 0.13											1.0
SJES	BN	102	51	ES	0839	0.080-0.04											1.0
PEJK	HZ	104	92	EP	0839	6.195 0.03											1.0
PEJK	HN	104	92	ES	0839	0.693-0.21											1.0
KKS	HZ	134	120	EP	0839	1.242 0.51											1.0
KKS	HN	134	120	ES	0839	9.440 0.28											1.0
AL02AHZ		146	167	EP	0839	2.609 0.04											1.0
AL02AHN		146	167	ES	0840	3.150 0.65											1.0
BURR	EZ	146	145	EP	0839	2.735 0.05											1.0
BURR	EN	146	145	ES	0840	2.721 0.02											1.0
BURR	EZ	146	145	IAML	0840	5.212	31	0.3									
AL03AHZ		146	145	EP	0839	2.765 0.08											1.0
AL03AHN		146	145	ES	0840	2.784 0.09											1.0
DRSH	EZ	162	165	EP	0839	5.487 0.73											0.9
DRSH	EZ	162	165	ES	0840	6.318-0.13											0.9
DRSH	EZ	162	165	IAML	0840	3.722	49	1.0									
TIR	HZ	165	154	EP	0839	5.091-0.06											0.9
TIR	HZ	165	154	IAML	0840	2.467	17	0.4									
GMRK	HZ	182	90	EP	0839	7.235-0.16											0.9
GMRK	HE	182	90	ES	0840	1.172-0.05											0.9
BELS	EZ	205	158	EP	0839	0.252-0.04											0.9
BELS	EN	205	158	ES	0840	5.861-0.62											0.9
BERA	HZ	234	160	EP	0839	3.352-0.64											0.9
BERA	HZ	234	160	IAML	0840	1.261	37	0.6									

May 6 2024 Hour: 0:32 22.3 Lat: 40.53N Lon: 21.30E D: 14.8 Ag: TIR Local
Magnitudes: 2.5ML TIR 3.0MW TIR Rms: 0.4 secs

28 km E of Bilisht

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GE03	EZ			IP	A	0032	5.570								
SELS	SZ			IP	A	0033	0.950								
NEST	HZ	25	239	EP		0032	7.736 0.24								1.0
NEST	HN	25	239	ES		0032	2.030 0.36								1.0
NEST	HZ	25	239	IAML		0032	3.414			427	0.1				
KZN	HZ	47	122	EP		0032	1.400 0.36								1.0
KZN	HN	47	122	ES		0032	8.375 0.29								1.0
AL07AHZ		66	308	EP		0032	4.214 0.02								1.0
AL07AHE		66	308	ES		0032	4.266 0.46								1.0
LSK	HZ	73	235	EP		0032	4.674-0.61								1.0
LSK	HN	73	235	ES		0032	4.937-0.84								1.0
LSK	HZ	73	235	IAML		0032	1.711			151	0.5				
MOGL	EN	79	284	ES		0032	7.537-0.04								1.0
AL05AHZ		79	284	EP		0032	5.961-0.32								1.0

MOGL	EZ	79	284	EP	0032	5.999-0.29								1.0
MOGL	EZ	79	284	IAML	0032	1.931		43	0.2					
AL05AHN		79	284	ES	0032	7.490-0.09								1.0
TPE	HZ	112	257	EP	0032	1.692-0.04								1.0
TPE	HE	112	257	ES	0032	7.593 0.15								1.0
TPE	HZ	112	257	IAML	0033	9.893		83	0.7					
BERA	HZ	116	280	EP	0032	1.687-0.66								1.0
BERA	HE	116	280	ES	0032	8.503-0.05								1.0
BERA	HZ	116	280	IAML	0033	1.336		71	0.3					
AL08AHZ		119	303	EP	0032	3.196 0.24								1.0
AL08AHE		119	303	ES	0033	0.009 0.35								1.0
THL	HZ	123	150	EP	0032	2.991-0.65								1.0
THL	HN	123	150	ES	0033	1.116 0.22								1.0
BELS	EZ	127	293	EP	0032	3.635-0.57								1.0
BELS	EN	127	293	ES	0033	1.887-0.02								1.0
SRN	HZ	132	237	EP	0032	5.487 0.43								1.0
SRN	HE	132	237	ES	0033	3.190-0.26								1.0
IGT	HZ	138	217	EP	0032	6.155 0.06								1.0
IGT	HN	138	217	ES	0033	5.945 0.61								1.0
IGT	HZ	138	217	IAML	0033	8.940		19	0.6					
THE	HZ	142	85	EP	0032	6.383-0.28								1.0
THE	HZ	142	85	IAML	0033	7.446		12	0.3					
AL04AHZ		156	290	EP	0032	9.333 0.36								1.0
KEK	HZ	157	235	EP	0032	9.832 0.70								1.0
KEK	HZ	157	235	IAML	0033	5.748		13	0.4					
AL03AHZ		161	318	EP	0032	9.555-0.28								0.9
BURR	EZ	161	318	EP	0032	9.659-0.17								0.9
LACI	HZ	181	313	EP	0032	2.357-0.01								0.9
LACI	HZ	181	313	IAML	0033	2.127		47	0.8					
PLG	HZ	183	95	EP	0032	2.127-0.57								0.9
KKS	HZ	187	337	EP	0032	3.449 0.25								0.9
LKD2	HZ	201	196	EP	0032	5.100 0.09								0.9
PUK	HZ	205	325	EP	0032	5.884 0.31								0.9
PUK	HZ	205	325	IAML	0033	7.427		10	0.5					
SDA	HZ	226	319	EP	0032	8.488 0.32								0.9
BCI	HZ	228	334	EP	0032	8.943 0.43								0.9
BCI	HZ	228	334	IAML	0033	6.888		13	0.4					
AL01AHZ		249	325	EP	0033	1.145-0.10								0.9
PEJK	HZ	249	340	EP	0033	1.424 0.16								0.9
RZM	EZ	249	325	EP	0033	1.949 0.70								0.9
PVY	HZ	255	334	EP	0033	1.691-0.33								0.9
PDG	HZ	271	322	EP	0033	3.858-0.06								0.9
NKME	HZ	316	323	EP	0033	9.511-0.25								0.8
SJES	BZ	323	341	EP	0033	0.058-0.63								0.8
ME02AHZ		343	329	EP	0033	3.353 0.02								0.8

May 7 2024 Hour: 13: 9 13.7 Lat: 39.74N Lon: 20.78E D: 5.3 Ag: TIR Local
Magnitudes: 2.9ML TIR 3.3MW 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	44	240	EP	C	1309	2.035	0.37							1.0
IGT	HN	44	240	ES		1309	8.243	0.12							1.0
IGT	HZ	44	240	IAML		1309	1.153			1009	0.4				
LSK	HZ	49	342	EP	D	1309	2.643	0.23							1.0
LSK	HE	49	342	ES		1309	9.593	0.10							1.0
LSK	HZ	49	342	IAML		1309	5.611			756	0.5				
SRN	HZ	68	284	EP		1309	5.827-0.11								1.0
SRN	HE	68	284	ES		1309	5.224-0.64								1.0
SRN	HZ	68	284	IAML		1309	6.674			469	0.5				
NEST	HZ	79	17	EP	C	1309	7.829	0.00							1.0
NEST	HN	79	17	ES		1309	9.158-0.12								1.0
NEST	HZ	79	17	IAML		1309	0.312			157	1.1				
KEK	HZ	84	269	EP		1309	8.590-0.11								1.0
KEK	HZ	84	269	IAML		1309	5.415			318	0.3				

TPE	HZ	90	314	EP	1309	9.785	0.02										1.0
TPE	HE	90	314	ES	1309	2.707	-0.08										1.0
TPE	HZ	90	314	IAML	1309	4.542			181	0.5							
AL06AHZ	96	295	EP	1309	0.771	0.07											1.0
AL06AHE	96	295	ES	1309	4.054	-0.42											1.0
KBN	HZ	99	1	EP	1309	1.208	-0.05										1.0
KBN	HZ	99	1	IAML	1309	4.666			83	1.3							
KZN	HZ	106	53	EP	1309	2.511	0.03										1.0
LKD2	HZ	106	186	EP	1309	2.683	0.30										1.0
THL	HZ	108	100	EP	1309	2.821	0.07										1.0
PLSA	EZ	110	296	EP	1309	3.169	0.13										1.0
AL05AHZ	113	343	EP	1309	3.462	-0.10											1.0
AL05AHZ	113	343	IAML	1309	4.108				72	0.5							
MOGL	EZ	113	343	EP	1309	3.256	-0.30										1.0
BERA	HZ	128	327	EP	1309	6.228	0.05										1.0
BERA	HZ	128	327	IAML	1310	4.472			90	0.8							
BELS	EZ	156	332	EP	1309	1.166	0.45										1.0
VLS	HZ	174	185	EP	1309	3.427	-0.31										0.9
THE	HZ	211	61	EP	1309	8.301	-0.43										0.9
BURR	EZ	217	343	EP	1309	0.959	1.42										0.9
BURR	EZ	217	343	IAML A	1310	9.260			17	0.5							
AL03AHZ	217	343	EP	1309	0.849	1.31											0.9
PLG	HZ	238	72	EP	1309	1.070	-1.19										0.9
PUK	HZ	267	344	EP	1309	5.058	-0.90										0.9
PUK	HZ	267	344	IAML	1310	2.804			17	0.8							
BCI	HZ	298	349	EP	1309	9.966	0.03										0.8
BCI	HZ	298	349	IAML	1310	3.964			26	0.3							

May 7 2024 Hour: 13:15 41.4 Lat: 39.74N Lon: 20.77E D: 19.0 Ag: TIR Local
Magnitudes: 2.7ML TIR 3.0MW TIR Rms: 0.3 secs
50 km E of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	44	239	EP		1315	9.270	-0.43							1.0
IGT	HE	44	239	IS		1315	6.459	0.07							1.0
IGT	HZ	44	239	IAML		1315	9.727			691	0.5				
LSK	HZ	48	343	EP		1315	9.994	-0.43							1.0
LSK	HE	48	343	ES		1315	7.784	0.08							1.0
LSK	HZ	48	343	IAML		1315	9.697			259	0.6				
SRN	HZ	67	284	EP		1315	2.956	-0.55							1.0
SRN	HZ	67	284	IAML		1316	3.485			160	0.6				
NEST	HZ	79	18	EP		1315	5.499	0.03							1.0
NEST	HN	79	18	ES		1316	6.578	-0.26							1.0
NEST	HZ	79	18	IAML		1316	7.198			91	0.5				
KEK	HZ	83	268	EP		1315	6.050	-0.03							1.0
KEK	HZ	83	268	IAML		1316	2.471			149	0.4				
TPE	HZ	89	314	EP		1315	7.288	0.21							1.0
TPE	HN	89	314	IS		1316	9.881	0.13							1.0
TPE	HZ	89	314	IAML		1316	5.111			66	0.5				
AL06AHZ	95	295	EP			1315	8.058	0.07							1.0
KBN	HZ	98	1	EP		1315	8.931	0.27							1.0
LKD2	HZ	106	185	EP		1316	0.221	0.35							1.0
LKD2	HE	106	185	ES		1316	5.397	0.59							1.0
KZN	HZ	107	53	EP		1315	9.903	-0.12							1.0
PLSA	EZ	109	296	EP		1316	0.248	-0.07							1.0
THL	HZ	109	100	EP		1316	0.522	0.16							1.0
THL	HN	109	100	ES		1316	5.349	-0.34							1.0
MOGL	EZ	112	344	EP		1316	0.926	0.02							1.0
AL05AHZ	112	344	EP			1316	0.605	-0.30							1.0
BERA	HZ	128	327	EP		1316	3.533	0.13							1.0
BELS	EZ	155	332	EP		1316	8.422	0.73							1.0
VLS	HZ	174	185	EP		1316	0.370	0.21							0.9
VLS	HN	174	185	ES		1316	2.524	-0.90							0.9
SCTE	HZ	200	281	EP		1316	3.241	-0.23							0.9
PLG	HZ	239	72	EP		1316	9.024	0.48							0.9

PUK HZ 266 344 EP 1316 2.258 0.20 0.9
 PUK HZ 266 344 IAML 1317 9.846 7 0.8

May 9 2024 Hour: 13:41 50.2 Lat: 39.38N Lon: 20.63E D: 19.8 Ag: TIR Local
Magnitudes: 3.0ML TIR 3.5MW TIR Rms: 0.4 secs

49 km SE of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SELS	SZ			IP	A	1342	5.600								
IGT	HZ	31	304	EP		1341	5.751	-0.80							1.0
IGT	HN	31	304	ES		1342	2.004	0.29							1.0
IGT	HZ	31	304	IAML		1342	5.088			691	0.3				
LKD2	HZ	66	178	EP		1342	1.754	-0.24							1.0
LKD2	HE	66	178	ES		1342	1.937	0.36							1.0
KEK	HZ	81	298	EP		1342	3.710	-0.74							1.0
KEK	HE	81	298	ES		1342	6.015	-0.00							1.0
KEK	HZ	81	298	IAML		1342	0.714			272	0.6				
AL06AHZ		109	317	EP		1342	0.103	1.02							1.0
AL06AHN		109	317	ES		1342	4.661	0.25							1.0
NEST	HZ	120	17	EP		1342	1.207	0.17							1.0
NEST	HE	120	17	ES		1342	7.892	-0.05							1.0
NEST	HZ	120	17	IAML		1342	4.715			176	0.6				
THL	HZ	121	80	EP		1342	1.035	0.02							1.0
THL	HN	121	80	ES		1342	7.673	-0.22							1.0
VLS	HZ	133	182	EP		1342	3.093	0.06							1.0
VLS	HN	133	182	ES		1342	1.881	0.34							1.0
KZN	HZ	142	43	EP		1342	4.318	-0.09							1.0
KZN	HE	142	43	ES		1342	4.156	0.13							1.0
AL05AHZ		149	352	EP		1342	5.625	0.18							1.0
AL05AHN		149	352	ES		1342	5.973	0.05							1.0
AL08AHZ		197	347	EP		1342	1.459	-0.28							0.9
SCTE	HZ	201	293	EP		1342	1.159	-1.08							0.9
PLG	HZ	265	64	EP		1342	0.475	-0.01							0.9
PLG	HN	265	64	ES		1343	3.144	0.00							0.9
ITM	HZ	269	155	EP		1342	0.979	-0.05							0.9
AL01AHZ		342	345	EP		1342	0.192	-0.27							0.8
AL01AHN		342	345	ES		1343	1.740	0.55							0.8
NOCI	HZ	342	298	EP		1342	0.772	0.39							0.8
NVR	HZ	351	50	EP		1342	1.428	-0.13							0.8
BOSS	SZ	379	23	EP		1342	5.503	0.33							0.8

May 11 2024 Hour: 3: 3 59.4 Lat: 39.23N Lon: 21.44E D: 8.9 Ag: TIR Local
Magnitudes: 2.5ML TIR 3.2MW TIR Rms: 0.5 secs

118 km SE of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
THL	HZ	62	53	EP		0304	0.869	0.39							1.0
THL	HE	62	53	ES		0304	9.879	0.40							1.0
LKD2	HZ	84	235	EP		0304	4.530	0.31							1.0
LKD2	HN	84	235	ES		0304	7.068	0.82							1.0
IGT	HZ	102	290	EP		0304	6.954	-0.19							1.0
IGT	HZ	102	290	IAML		0304	3.373			30	0.3				
KZN	HZ	123	13	EP		0304	0.295	-0.44							1.0
KZN	HN	123	13	ES		0304	7.352	-0.69							1.0
LSK	HZ	125	325	EP		0304	0.624	-0.52							1.0
LSK	HZ	125	325	IAML		0304	2.600			41	0.9				
NEST	HZ	136	346	EP		0304	2.938	0.02							1.0
NEST	HZ	136	346	IAML		0304	8.656			62	0.7				
VLS	HZ	138	213	EP		0304	2.587	-0.72							1.0
VLS	HN	138	213	ES		0304	2.035	-0.67							1.0
SRN	HZ	144	301	EP		0304	3.995	-0.14							1.0
SRN	HZ	144	301	IAML		0304	5.669			17	0.4				
KEK	HZ	151	291	EP		0304	5.481	0.02							1.0
KEK	HZ	151	291	IAML		0304	9.275			58	0.4				
KBN	HZ	165	340	EP		0304	8.431	0.73							0.9
KBN	HZ	165	340	IAML		0304	8.644			21	0.5				

TPE	HZ	170	314	IAML	0304	6.273			30	0.4				
AL06AHZ		173	304	EP	0304	9.739	0.64							0.9
AL05AHZ		187	332	EP	0304	0.749	-0.14							0.9
MOGL	EZ	187	332	EP	0304	0.727	-0.16							0.9
BERA	HZ	208	322	EP	0304	3.421	-0.05							0.9
BERA	HZ	208	322	IAML	0305	2.100			16	0.7				
PLG	HZ	213	53	EP	0304	2.458	-1.81							0.0
PHP	HZ	286	343	EP	0304	3.839	0.28							0.8
AL01AHZ		381	336	EP	0304	6.122	0.23							0.8

May 13 2024 Hour: 12:26 4.4 Lat: 38.75N Lon: 21.05E D: 11.0 Ag: TIR Local
Magnitudes: 2.9ML TIR 3.4MW TIR Rms: 0.5 secs

125 km SE of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LKD2	HZ	34	277	EP		1226	0.920	0.14							1.0
LKD2	HN	34	277	ES		1226	6.468	0.49							1.0
VLS	HZ	75	212	EP		1226	7.384	-0.22							1.0
VLS	HE	75	212	ES		1226	8.285	-0.05							1.0
THL	HZ	123	42	EP		1226	4.969	-0.63							1.0
THL	HN	123	42	ES		1226	3.186	0.38							1.0
KEK	HZ	152	315	EP		1226	0.329	-0.05							1.0
KEK	HN	152	315	ES		1226	0.474	-0.97							1.0
KEK	HZ	152	315	IAML		1226	6.569			112	0.4				
SRN	HZ	154	325	EP		1226	0.722	-0.09							1.0
SRN	HE	154	325	ES		1226	1.845	-0.40							1.0
LSK	HZ	160	346	EP		1226	2.334	0.53							0.9
LSK	HE	160	346	ES		1226	4.428	0.39							0.9
LSK	HZ	160	346	IAML		1227	1.894			95	0.6				
KZN	HZ	184	20	EP		1226	4.734	-0.52							0.9
KZN	HN	184	20	ES		1226	9.683	-0.59							0.9
AL06AHZ		185	324	EP		1226	5.128	-0.26							0.9
AL06AHZ		185	324	IAML		1227	4.585			48	0.3				
NEST	HZ	185	0	EP		1226	6.034	0.62							0.9
NEST	HN	185	0	ES		1227	0.981	0.41							0.9
NEST	HZ	185	0	IAML		1227	8.632			35	0.7				
TPE	HZ	193	333	EP		1226	7.156	0.79							0.9
TPE	HZ	193	333	IAML		1227	4.479			49	0.7				
BERA	HZ	236	337	EP		1226	1.978	0.08							0.9
BERA	HZ	236	337	IAML		1227	5.445			21	0.2				

May 13 2024 Hour: 16: 4 17.4 Lat: 42.57N Lon: 20.78E D: 6.8 Ag: TIR Local
Magnitudes: 2.7ML TIR 3.1MW TIR Rms: 0.4 secs

51 km NE of Krume

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SELS	SZ			IP	A	1604	2.350								
GMRK	HZ	37	75	EP		1604	4.648	0.45							1.0
GMRK	HE	37	75	ES		1604	9.271	-0.45							1.0
GMRK	HZ	37	75	IAML		1604	9.640			849	0.2				
PEJK	HZ	42	281	EP		1604	5.709	0.73							1.0
PEJK	HN	42	281	ES		1604	0.905	-0.23							1.0
PEJK	HZ	42	281	IAML		1604	2.178			291	0.2				
BCI	HZ	63	249	EP		1604	8.569	-0.10							1.0
BCI	HN	63	249	ES		1604	7.624	-0.19							1.0
BCI	HZ	63	249	IAML		1604	5.270			241	0.6				
KKS	HZ	64	210	EP		1604	8.533	-0.25							1.0
KKS	HZ	64	210	IAML		1604	8.342			215	0.3				
PVY	HZ	67	272	EP		1604	9.594	0.09							1.0
PVY	HE	67	272	ES		1604	8.997	-0.33							1.0
PVY	HZ	67	272	IAML		1604	0.026			232	0.3				
ME01AHZ		80	293	EP		1604	1.844	0.17							1.0
ME01AHE		80	293	ES		1604	3.380	0.12							1.0
ME01AHZ		80	293	IAML		1604	8.802			266	0.5				
BARS	BZ	89	72	EP		1604	3.133	-0.09							1.0
BARS	BZ	89	72	IAML		1604	4.552			164	0.3				

PUK	HZ	94	232	EP	1604	4.149	0.12								1.0
PUK	HE	94	232	ES	1604	7.932	0.40								1.0
PUK	HZ	94	232	IAML	1604	1.570		91	0.2						
SJES	BZ	101	320	EP	1604	5.861	0.59								1.0
SJES	BZ	101	320	IAML	1604	4.319		1013	0.5						
PHP	HZ	102	196	EP	1604	4.481	-0.97								1.0
PHP	HZ	102	196	IAML	1604	0.478		84	0.2						
AL01AHZ	104	257	EP	1604	5.758	-0.04									1.0
AL01AHE	104	257	ES	1604	0.969	0.24									1.0
AL01AHZ	104	257	IAML	1604	2.766			63	0.2						
SDA	HZ	120	242	EP	1604	8.489	0.08								1.0
SDA	HE	120	242	ES	1604	5.110	-0.33								1.0
SDA	HZ	120	242	IAML	1605	0.560		49	0.6						
AL03AHE	125	211	ES	1604	6.960	-0.04									1.0
BURR	EZ	125	211	EP	1604	9.486	0.23								1.0
AL03AHZ	125	211	EP	1604	9.229	-0.04									1.0
AL03AHZ	125	211	IAML	1605	2.110			68	0.3						
BURR	EZ	125	211	IAML	1605	2.147		38	0.3						
PDG	HZ	126	263	EP	1604	9.242	-0.08								1.0
PDG	HN	126	263	ES	1604	6.677	-0.42								1.0
PDG	HZ	126	263	IAML	1605	0.632		55	0.5						
LACI	HZ	136	221	EP	1604	1.890	0.88								1.0
LACI	HZ	136	221	IAML	1605	7.750		60	0.6						
BOSS	SZ	138	93	EP	1604	1.025	-0.43								1.0
ME02AHZ	150	296	EP	1604	3.388	-0.09									1.0
ME02AHN	150	296	ES	1605	3.901	-0.73									1.0
NKME	HZ	151	279	EP	1604	3.708	0.10								1.0
NKME	HE	151	279	ES	1605	4.520	-0.34								1.0
NKME	HZ	151	279	IAML	1605	6.745		30	0.3						
AL08AHZ	172	199	EP	1604	7.427	0.35									0.9
ME05AHZ	187	267	EP	1604	9.895	0.79									0.9
ME05AHZ	187	267	IAML	1605	0.581			124	0.4						
BELS	EZ	192	202	EP	1604	0.030	0.29								0.9
AL05AHZ	210	189	EP	1604	1.884	-0.19									0.9
MOGL	EZ	210	189	EP	1604	1.994	-0.08								0.9
BERA	HZ	219	199	EP	1604	3.209	0.03								0.9
BERA	HZ	219	199	IAML	1605	7.668		21	0.5						
LSK	HZ	269	183	EP	1604	9.632	-0.14								0.9
LSK	HZ	269	183	IAML	1605	5.346		27	0.7						
AL06AHZ	289	198	EP	1605	2.061	-0.09									0.8
AL06AHZ	289	198	IAML	1605	1.824			12	0.8						

May 14 2024 Hour: 14:11 30.1 Lat: 39.27N Lon: 20.58E D: 3.0 Ag: TIR Local
Magnitudes: 2.8ML TIR 3.3MW TIR Rms: 0.4 secs
55 km SE of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LKD2	HZ	54	173	EP		1411	0.341	0.64							1.0
LKD2	HN	54	173	ES		1411	7.952	0.45							1.0
KEK	HZ	83	306	EP		1411	4.396	-0.59							1.0
KEK	HN	83	306	ES		1411	7.139	0.07							1.0
KEK	HZ	83	306	IAML		1411	9.148		165	0.5					
SRN	HZ	84	324	EP		1411	4.326	-0.79							1.0
SRN	HN	84	324	ES		1411	7.454	0.15							1.0
SRN	HZ	84	324	IAML		1412	2.014		127	0.7					
LSK	HZ	98	1	EP		1411	7.053	-0.49							1.0
LSK	HN	98	1	ES		1412	1.984	0.29							1.0
LSK	HZ	98	1	IAML		1412	0.823		186	0.7					
AL06AHZ	115	322	EP			1411	0.595	0.09							1.0
AL06AHN	115	322	ES			1412	6.569	-0.48							1.0
VLS	HZ	121	180	EP		1411	1.651	0.11							1.0
VLS	HN	121	180	ES		1412	8.980	0.06							1.0
TPE	HZ	124	337	EP		1411	2.231	0.30							1.0
TPE	HE	124	337	ES		1412	0.329	0.69							1.0
TPE	HZ	124	337	IAML		1412	4.875		88	0.9					

THL	HZ	128	75	EP	1411	2.178	-0.40										1.0
THL	HN	128	75	ES	1412	0.982	0.18										1.0
PLSA	EZ	129	321	EP	1411	3.238	0.41										1.0
PLSA	EN	129	321	ES	1412	1.108	-0.14										1.0
PLSA	EZ	129	321	IAML	1412	2.223				118	0.3						
NEST	HZ	133	17	EP	1411	3.363	-0.21										1.0
NEST	HN	133	17	ES	1412	2.744	0.14										1.0
NEST	HZ	133	17	IAML	1412	7.976				123	0.5						
KBN	HZ	151	7	EP	1411	6.887	0.31										1.0
KBN	HN	151	7	ES	1412	8.777	0.74										1.0
KBN	HZ	151	7	IAML	1412	1.262				40	0.5						
KZN	HZ	154	41	EP	1411	6.407	-0.57										1.0
KZN	HN	154	41	ES	1412	8.973	0.21										1.0
AL05AHZ	160	354	EP	1411	8.146	0.11											0.9
MOGL	EZ	160	354	EP	1411	8.272	0.24										0.9
MOGL	EN	160	354	ES	1412	0.735	0.06										0.9
MOGL	EZ	160	354	IAML	1412	5.129				22	0.7						
BERA	HZ	168	341	EP	1411	9.524	0.21										0.9
BERA	HN	168	341	ES	1412	3.101	0.11										0.9
BERA	HZ	168	341	IAML	1412	1.228				55	0.8						
BELS	EZ	197	343	EP	1412	3.537	-0.10										0.9
BELS	EN	197	343	ES	1412	0.856	0.04										0.9
AL08AHZ	208	349	EP	1412	4.588	-0.40											0.9
AL08AHN	208	349	ES	1412	3.554	0.30											0.9
ITM	HZ	260	153	EP	1412	1.445	-0.27										0.9
PHP	HZ	268	357	EP	1412	1.932	-0.87										0.9
PHP	HZ	268	357	IAML	1413	3.934				25	1.7						
LACI	HZ	273	345	EP	1412	3.395	0.10										0.8
PLG	HZ	274	63	EP	1412	2.469	-1.04										0.8
PUK	HZ	313	350	EP	1412	8.469	-0.13										0.8
PUK	HZ	313	350	IAML	1413	1.162				7	0.6						

May 19 2024 Hour: 3: 8 20.7 Lat: 40.67N Lon: 20.84E D: 3.8 Ag: TIR Local
Magnitudes: 2.7ML TIR 3.2MW TIR Rms: 0.5 secs

7 km NE of Korce

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GE03	EZ			IP	A	0308	5.400								
SELS	SZ			IP	A	0309	7.700								
KBN	HZ	7	221	EP	C	0308	2.635	0.50							1.0
KBN	HN	7	221	ES		0308	3.922	0.59							1.0
KBN	HZ	7	221	IAML		0308	4.644			4039	0.2				
AL07AHZ	29	332	EP	C	0308	6.321	0.46								1.0
AL07AHN	29	332	ES		0308	0.378	0.29								1.0
NEST	HZ	34	148	EP	C	0308	7.818	1.12							1.0
NEST	HN	34	148	ES		0308	1.902	0.31							1.0
NEST	HZ	34	148	IAML		0308	5.003			671	0.1				
MOGL	EZ	38	276	EP	C	0308	7.150	-0.35							1.0
MOGL	EZ	38	276	IAML		0308	3.324			386	0.1				
AL05AHZ	38	276	EP		0308	7.117	-0.39								1.0
AL05AHN	38	276	ES		0308	2.593	-0.46								1.0
AL05AHZ	38	276	IAML		0308	3.277				545	0.1				
MOGL	EN	38	276	ES		0308	2.611	-0.44							1.0
LSK	HZ	61	200	EP		0308	1.581	-0.06							1.0
LSK	HN	61	200	ES		0308	0.537	-0.01							1.0
LSK	HZ	61	200	IAML		0308	5.454			143	0.4				
BERA	HZ	75	273	EP		0308	4.038	-0.10							1.0
BERA	HN	75	273	ES		0308	5.007	-0.05							1.0
BERA	HZ	75	273	IAML		0308	0.264			161	0.8				
AL08AHZ	79	308	EP		0308	4.223	-0.50								1.0
AL08AHN	79	308	ES		0308	6.012	-0.10								1.0
AL08AHZ	79	308	IAML		0308	0.849				217	1.2				
TPE	HZ	82	239	EP		0308	4.794	-0.42							1.0
TPE	HN	82	239	ES		0308	6.849	-0.16							1.0
TPE	HZ	82	239	IAML		0308	3.002			200	0.6				

BELS	EZ	85	293	EP	0308	5.684-0.17			1.0
KZN	HZ	89	117	EP	0308	7.145 0.64			1.0
KZN	HN	89	117	ES	0308	9.234-0.11			1.0
AL06AHZ		112	235	EP	0308	0.590 0.04			1.0
AL06AHN		112	235	ES	0308	6.853 0.18			1.0
AL06AHZ		112	235	IAML	0308	8.079	71	0.4	
SRN	HZ	113	219	EP	0308	0.734 0.05			1.0
SRN	HN	113	219	ES	0308	6.973 0.06			1.0
SRN	HZ	113	219	IAML	0309	4.937	36	1.0	
AL04AHZ		114	290	EP	0308	0.786-0.06			1.0
AL04AHN		114	290	ES	0308	6.860-0.34			1.0
AL04AHZ		114	290	IAML	0309	8.047	104	0.8	
VLO	HZ	116	259	EP	0308	1.299 0.13			1.0
VLO	HN	116	259	ES	0308	8.115 0.33			1.0
PHP	HZ	117	344	EP	0308	1.339-0.10			1.0
PHP	HN	117	344	ES	0308	8.656 0.38			1.0
PLSA	EZ	117	242	ES	0308	7.847-0.40			1.0
PHP	HZ	117	344	IAML	0309	3.241	40	0.9	
PLSA	EZ	117	242	EP	0308	1.512 0.09			1.0
PLSA	EZ	117	242	IAML	0309	6.108	41	0.4	
BURR	EZ	125	326	EP	0308	2.971 0.31			1.0
BURR	EZ	125	326	IAML	0309	1.724	44	1.3	
AL03AHE		125	326	ES	0308	9.232-1.27			1.0
BURR	EZ	125	326	ES	0309	0.709 0.22			1.0
AL03AHZ		125	326	EP	0308	2.343-0.33			1.0
AL03AHZ		125	326	IAML	0309	1.645	75	1.3	
IGT	HZ	134	199	EP	0308	3.632-0.47			1.0
IGT	HN	134	199	ES	0309	3.336 0.23			1.0
IGT	HZ	134	199	IAML	0309	1.243	36	0.8	
KEK	HZ	138	220	EP	0308	5.167 0.25			1.0
KEK	HN	138	220	ES	0309	4.500-0.07			1.0
LACI	HZ	143	319	EP	0308	5.426-0.19			1.0
LACI	HE	143	319	ES	0309	5.152-0.69			1.0
LACI	HZ	143	319	IAML	0309	8.585	47	0.6	
AL02AHZ		146	304	EP	0308	6.625 0.39			1.0
AL02AHN		146	304	ES	0309	7.479 0.53			1.0
AL02AHZ		146	304	IAML	0309	7.910	51	0.4	
THL	HZ	158	140	EP	0308	7.831-0.40			0.9
THL	HN	158	140	ES	0309	0.161-0.41			0.9
KKS	HZ	160	347	EP	0308	8.562 0.05			0.9
KKS	HN	160	347	ES	0309	1.290 0.22			0.9
KKS	HZ	160	347	IAML	0309	8.960	24	0.7	
PUK	HZ	172	333	EP	0308	0.057-0.45			0.9
PUK	HN	172	333	ES	0309	5.020 0.34			0.9
PUK	HZ	172	333	IAML	0309	1.426	28	0.6	
THE	HZ	180	91	EP	0308	1.281-0.50			0.9
THE	HN	180	91	ES	0309	6.044-0.95			0.9
SDA	HZ	190	324	EP	0308	3.102-0.02			0.9
SDA	HN	190	324	ES	0309	9.861 0.44			0.9
SDA	HZ	190	324	IAML	0309	9.049	13	0.7	
BCI	HZ	199	341	EP	0308	4.570 0.21			0.9
BCI	HN	199	341	ES	0309	1.889 0.22			0.9
BCI	HZ	199	341	IAML	0309	5.787	36	0.8	
LKD2	HZ	210	184	EP	0308	6.626 0.93			0.9
LKD2	HE	210	184	ES	0309	4.021-0.07			0.9
SCTE	HZ	212	253	EP	0308	5.257-0.74			0.9
SCTE	HN	212	253	ES	0309	4.748 0.12			0.9
AL01AHZ		215	330	IAML	0309	0.150	24	0.9	
RZM	EZ	215	330	EP	0308	7.278 0.78			0.9
RZM	EN	215	330	ES	0309	6.561 1.03			0.9
RZM	EZ	215	330	IAML	0309	0.212	14	0.9	
AL01AHZ		215	330	EP	0308	6.943 0.45			0.9
AL01AHN		215	330	ES	0309	5.783 0.25			0.9
GMRK	HZ	223	8	EP	0308	7.390-0.11			0.9

PLG	HZ	223	98	EP		0308	6.995	-0.46									0.9
PEJK	HZ	224	348	EP		0308	6.543	-1.05									0.9
PEJK	HZ	224	348	IAML		0309	6.483			18	0.5						
PVY	HZ	226	341	EP		0308	8.879	0.97									0.9
PDG	HZ	236	327	EP		0308	9.318	0.33									0.9
PDG	HZ	236	327	IAML	A	0309	5.193			15	1.4						
BOSS	SZ	244	33	EP		0308	9.400	-0.73									0.9
BARS	BZ	252	18	EP		0309	0.393	-0.71									0.9
NVR	HZ	265	73	EP		0309	3.027	0.15									0.9
VLS	HZ	278	185	EP		0309	3.802	-0.62									0.8
NKME	HZ	281	327	EP		0309	5.040	0.17									0.8
SJES	BZ	297	346	EP		0309	7.021	0.07									0.8
ME02AHZ		311	333	EP		0309	9.830	1.04									0.8
NOCI	HZ	319	274	EP		0309	9.520	-0.24									0.8

May 20 2024 Hour: 7:46 24.4 Lat: 39.64N Lon: 20.38E D: 5.9 Ag: TIR Local
Magnitudes: 3.0ML TIR 3.2MW TIR Rms: 0.4 secs

17 km E of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	12	200	EP		0746	7.104	0.28							1.0
IGT	HN	12	200	ES		0746	9.486	0.66							1.0
IGT	HZ	12	200	IAML		0746	0.923			5500	0.5				
SRN	HZ	42	310	EP		0746	1.770	-0.23							1.0
SRN	HN	42	310	ES		0746	8.040	-0.15							1.0
SRN	HZ	42	310	IAML		0746	0.245			359	0.4				
KEK	HZ	51	280	EP		0746	3.273	-0.21							1.0
KEK	HN	51	280	ES		0746	1.104	0.22							1.0
KEK	HZ	51	280	IAML	A	0746	5.766			750	0.6				
LSK	HZ	60	18	EP		0746	4.643	-0.47							1.0
LSK	HN	60	18	ES		0746	3.842	0.02							1.0
LSK	HZ	60	18	IAML		0746	8.823			410	0.6				
AL06AHZ		73	313	EP		0746	7.342	-0.14							1.0
TPE	HZ	79	337	EP		0746	8.100	-0.48							1.0
TPE	HN	79	337	ES		0746	0.131	0.02							1.0
TPE	HZ	79	337	IAML		0746	5.464			294	0.7				
PLSA	EZ	88	312	EP		0746	9.792	-0.19							1.0
LKD2	HZ	97	166	EP		0746	0.460	-1.14							1.0
LKD2	HN	97	166	ES		0746	5.841	0.27							1.0
NEST	HZ	103	33	EP		0746	2.543	-0.14							1.0
NEST	HN	103	33	ES		0746	8.022	0.49							1.0
NEST	HZ	103	33	IAML		0747	5.375			129	0.6				
AL05AHZ		119	0	EP		0746	5.130	-0.06							1.0
MOGL	EZ	119	0	EP		0746	4.917	-0.27							1.0
BERA	HZ	124	343	EP		0746	6.685	0.64							1.0
BERA	HN	124	343	ES		0747	4.070	0.45							1.0
BERA	HZ	124	343	IAML		0747	6.877			110	0.4				
THL	HZ	140	93	EP		0746	9.148	0.36							1.0
KZN	HZ	140	57	EP		0746	8.702	-0.07							1.0
BELS	EZ	153	345	EP		0746	1.347	0.39							1.0
VLS	HZ	163	174	EP		0746	2.409	-0.17							0.9

May 20 2024 Hour: 20: 7 29.5 Lat: 39.62N Lon: 20.37E D: 14.1 Ag: TIR Local
Magnitudes: 2.6ML TIR 3.1MW TIR Rms: 0.4 secs

16 km E of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	10	197	EP		2007	2.252	-0.36							1.0
IGT	HN	10	197	ES		2007	5.663	0.54							1.0
IGT	HZ	10	197	IAML		2007	6.388			2228	0.2				
SRN	HZ	43	313	EP		2007	7.013	-0.35							1.0
SRN	HN	43	313	ES		2007	3.400	-0.34							1.0
SRN	HZ	43	313	IAML		2007	4.602			125	0.3				
KEK	HZ	50	282	EP		2007	8.087	-0.49							1.0
KEK	HN	50	282	ES		2007	6.026	0.11							1.0
KEK	HZ	50	282	IAML		2007	3.773			330	0.6				

LSK	HZ	62	19	EP	2007	9.987	-0.65										1.0
LSK	HN	62	19	ES	2007	9.390	-0.26										1.0
LSK	HZ	62	19	IAML	2007	3.773			170	0.7							
AL06AHZ		74	315	EP	2007	2.499	-0.01										1.0
AL06AHN		74	315	ES	2007	3.223	0.17										1.0
TPE	HZ	81	338	EP	2007	3.382	-0.30										1.0
TPE	HN	81	338	ES	2007	5.406	0.23										1.0
TPE	HZ	81	338	IAML	2008	0.510			84	0.6							
PLSA	EZ	88	314	EP	2007	4.820	-0.06										1.0
LKD2	HZ	96	165	EP	2007	6.018	-0.17										1.0
LKD2	HN	96	165	ES	2008	0.030	0.32										1.0
NEST	HZ	106	33	EP	2007	7.423	-0.47										1.0
NEST	HN	106	33	ES	2008	3.204	0.41										1.0
NEST	HZ	106	33	IAML	2008	1.189			44	0.5							
KBN	HZ	117	18	EP	2007	9.995	0.22										1.0
MOGL	EZ	120	1	EP	2007	9.930	-0.40										1.0
MOGL	EN	120	1	ES	2008	7.595	0.39										1.0
AL05AHZ		121	1	EP	2007	9.657	-0.68										1.0
AL05AHN		121	1	ES	2008	7.546	0.34										1.0
AL05AHZ		121	1	IAML	2008	1.464			35	0.4							
BERA	HZ	125	344	EP	2007	1.752	0.64										1.0
BERA	HN	125	344	ES	2008	9.239	0.62										1.0
BERA	HZ	125	344	IAML	2008	2.138			56	0.2							
KZN	HZ	142	57	EP	2007	3.479	-0.47										1.0
THL	HZ	142	92	EP	2007	4.137	0.32										1.0
BELS	EZ	155	346	EP	2007	6.623	0.59										1.0
VLS	HZ	161	173	EP	2007	7.106	0.04										0.9
VLS	HN	161	173	ES	2008	9.544	0.16										0.9
ITM	HZ	303	153	EP	2008	5.369	0.04										0.8

May 21 2024 Hour: 8:36 1.1 Lat: 41.71N Lon: 19.47E D: 15.2 Ag: TIR Local
Magnitudes: 2.8ML TIR 3.1MW TIR Rms: 0.4 secs
17 km SW of Lezhe

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SELS	SZ			IP	0A	0836	6.800								
GE03	EZ			IP	0A	0836	9.830								
LACI	HZ	23	111	EP	D	0836	5.692	-0.21							1.0
LACI	HN	23	111	ES		0836	9.679	-0.08							1.0
LACI	HZ	23	111	IAML		0836	0.561		1259	0.2					
AL02AHZ		34	190	EP		0836	7.783	0.16							1.0
AL02AHN		34	190	ES		0836	3.613	0.74							1.0
AL02AHZ		34	190	IAML		0836	0.102		1014	0.5					
SDA	HZ	38	4	EP	D	0836	8.378	0.09							1.0
SDA	HN	38	4	ES		0836	4.427	0.35							1.0
SDA	HZ	38	4	IAML		0836	5.291		351	0.3					
AL03AHZ		47	105	EP	C	0836	9.710	0.02							1.0
AL03AHE		47	105	ES		0836	6.874	0.26							1.0
AL03AHZ		47	105	IAML		0836	9.604		561	0.2					
BURR	EZ	47	105	EP	C	0836	9.732	0.04							1.0
BURR	EN	47	105	ES		0836	7.034	0.40							1.0
BURR	EZ	47	105	IAML		0836	9.627		337	0.2					
DRSH	EZ	48	174	EP		0836	0.650	0.78							1.0
DRSH	EZ	48	174	IAML		0836	3.877		288	0.5					
PUK	HZ	51	44	EP	D	0836	0.611	0.09							1.0
PUK	HZ	51	44	IAML		0836	4.204		204	0.5					
AL01AHE		71	6	ES		0836	4.049	-0.03							1.0
RZM	EZ	71	6	EP		0836	3.120	-0.69							1.0
RZM	EZ	71	6	IAML		0836	6.219		196	0.2					
AL01AHZ		71	6	EP		0836	3.230	-0.58							1.0
AL01AHZ		71	6	IAML		0836	6.214		324	0.2					
PHP	HZ	81	92	EP	D	0836	5.173	-0.29							1.0
PHP	HN	81	92	ES		0836	7.289	0.22							1.0
PHP	HZ	81	92	IAML		0836	9.811		191	0.2					
PDG	HZ	82	348	EP		0836	5.229	-0.28							1.0

PDG	HE	82	348	ES		0836	7.035-0.12								1.0
PDG	HZ	82	348	IAML		0836	4.599	82	0.2						
AL08AHZ		86	141	EP		0836	5.875-0.28								1.0
AL08AHN		86	141	ES		0836	8.130-0.20								1.0
AL08AHZ		86	141	IAML		0836	7.893	96	0.6						
KKS	HZ	88	62	EP		0836	6.802 0.30								1.0
KKS	HZ	88	62	IAML		0836	3.136	59	0.2						
BCI	HZ	89	34	EP	C	0836	6.136-0.51								1.0
BCI	HE	89	34	ES		0836	9.228 0.02								1.0
BCI	HZ	89	34	IAML		0836	5.720	190	0.6						
BELS	EZ	90	155	EP		0836	6.927 0.03								1.0
BELS	EZ	90	155	IAML		0836	2.841	256	0.4						
PVY	HZ	107	22	EP		0836	8.958-0.74								1.0
PVY	HN	107	22	ES		0836	4.882 0.15								1.0
PVY	HZ	107	22	IAML		0836	2.634	186	0.3						
ME05AHZ		115	317	EP		0836	1.594 0.58								1.0
ME05AHE		115	317	ES		0836	7.456 0.33								1.0
ME05AHZ		115	317	IAML		0836	1.141	494	0.3						
BERA	HZ	119	160	EP		0836	1.549-0.13								1.0
BERA	HE	119	160	ES		0836	8.204-0.12								1.0
BERA	HZ	119	160	IAML		0836	9.777	99	0.2						
PEJK	HZ	124	33	EP		0836	1.715-0.80								1.0
PEJK	HZ	124	33	IAML		0836	8.009	91	0.2						
NKME	HZ	125	340	EP		0836	2.578-0.14								1.0
NKME	HN	125	340	ES		0836	0.179-0.02								1.0
NKME	HZ	125	340	IAML		0836	5.108	144	0.2						
ME01AHZ		131	15	EP		0836	3.610-0.11								1.0
ME01AHN		131	15	ES		0836	2.062 0.05								1.0
ME01AHZ		131	15	IAML		0836	1.452	213	0.5						
AL05AHZ		136	145	EP		0836	4.380-0.15								1.0
AL05AHZ		136	145	IAML		0836	5.814	72	0.5						
MOGL	EZ	136	145	EP		0836	4.828 0.30								1.0
MOGL	EZ	136	145	IAML		0836	5.796	44	0.5						
ME02AHZ		163	350	EP		0836	9.039 0.02								0.9
ME02AHZ		163	350	IAML		0836	5.504	62	0.4						
TPE	HZ	164	163	EP		0836	8.632-0.31								0.9
TPE	HZ	164	163	IAML		0837	2.844	45	0.4						
SJES	BZ	177	13	EP		0836	1.630 0.81								0.9
SJES	BE	177	13	ES		0836	5.524 0.65								0.9
SJES	BZ	177	13	IAML		0837	1.036	463	0.5						
GMRK	HZ	179	53	EP		0836	1.770 0.73								0.9
GMRK	HZ	179	53	IAML		0837	5.325	34	0.5						
NEST	HZ	196	137	EP		0836	3.552 0.39								0.9
NEST	HZ	196	137	IAML		0837	5.186	30	0.4						
LSK	HZ	198	151	EP		0836	2.998-0.39								0.9
SRN	HZ	208	167	EP		0836	3.689-0.91								0.9
BARS	BZ	230	57	EP		0836	7.907 0.49								0.9
IGT	HZ	253	163	EP		0836	8.927-1.41								0.9
BOSS	SZ	263	70	EP		0836	2.141 0.42								0.9

May 21 2024 Hour: 18:3 20.0 Lat: 39.61N Lon: 20.34E D: 13.7 Ag: TIR Local
Magnitudes: 2.9ML TIR Rms: 0.5 secs
14 km SE of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IGT	HZ	8	186	EP	C	1803	2.860-0.05								1.0
IGT	HE	8	186	ES		1803	5.433 0.20								1.0
IGT	HZ	8	186	IAML		1803	6.948			4122	0.4				
SRN	HZ	42	316	EP		1803	7.387-0.42								1.0
SRN	HE	42	316	ES		1803	3.504-0.60								1.0
SRN	HZ	42	316	IAML		1803	6.085			348	0.4				
JAN	HN	44	83	ES		1803	4.960 0.25								1.0
KEK	HZ	48	284	EP	C	1803	8.685-0.13								1.0
KEK	HN	48	284	ES		1803	6.123 0.20								1.0
KEK	HZ	48	284	IAML		1803	4.068			442	0.3				

LSK	HZ	64	20	EP	C	1803	0.604-0.90										1.0
LSK	HZ	64	20	IAML		1803	2.174		369	0.6							
AL06AHZ		73	317	EP	C	1803	2.316-0.66										1.0
AL06AHN		73	317	ES		1803	3.367-0.09										1.0
AL06AHZ		73	317	IAML		1803	9.234		182	0.3							
TPE	HZ	81	340	EP	C	1803	4.028-0.29										1.0
TPE	HE	81	340	ES		1803	6.348 0.46										1.0
TPE	HZ	81	340	IAML		1803	1.303		245	0.7							
PLSA	EZ	87	315	EP		1803	5.962 0.63										1.0
LKD2	HZ	95	163	EP	C	1803	6.623 0.03										1.0
NEST	HZ	108	34	EP	C	1803	8.468-0.35										1.0
NEST	HZ	108	34	IAML		1804	1.366		166	0.4							
KBN	HZ	119	18	EP		1803	0.218-0.42										1.0
KBN	HZ	119	18	IAML		1804	3.661		43	0.5							
AL05AHZ		122	2	IAML		1804	2.251		84	0.5							
MOGL	EZ	122	2	EP		1803	0.741-0.37										1.0
MOGL	EZ	122	2	IAML		1804	2.250		52	0.4							
AL05AHZ		122	2	EP	D	1803	0.879-0.24										1.0
BERA	HZ	126	345	EP		1803	2.520 0.74										1.0
BERA	HE	126	345	ES		1804	0.993 1.60										1.0
BERA	HZ	126	345	IAML		1804	1.980		114	0.5							
THL	HZ	144	91	EP		1803	5.004 0.31										1.0
THL	HE	144	91	ES		1804	4.876 0.20										1.0
THL	HZ	144	91	IAML		1804	7.546		376	0.6							
KZN	HZ	145	57	EP	C	1803	4.615-0.30										1.0
BELS	EZ	156	347	EP		1803	6.583-0.14										1.0
BELS	EZ	156	347	IAML		1804	0.652		282	0.5							
VLS	HZ	160	172	EP	C	1803	7.821 0.38										0.9
SCTE	HZ	169	288	EP		1803	8.624 0.00										0.9
AL03AHZ		223	353	EP		1803	6.188 0.53										0.9
BURR	EZ	223	353	EP		1803	6.429 0.77										0.9
LACI	HZ	231	347	EP		1803	6.435-0.23										0.9
LACI	HZ	231	347	IAML		1804	2.545		20	0.6							
PHP	HZ	231	2	EP		1803	6.841 0.18										0.9
PHP	HZ	231	2	IAML		1804	6.165		23	0.6							
PUK	HZ	273	352	EP	C	1804	1.647-0.46										0.8
PUK	HZ	273	352	IAML		1804	2.767		9	0.6							
PLG	HZ	278	71	EP		1804	2.483-0.24										0.8
RZM	EZ	311	348	EP		1804	6.431-0.63										0.8

May 21 2024 Hour: 20:39 23.4 Lat: 39.61N Lon: 20.36E D: 14.8 Ag: TIR Local
Magnitudes: 3.0ML TIR 3.4MW TIR Rms: 0.5 secs
16 km E of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SELS	SZ			IP	A	2040	1.500								
GE03	EZ			IP	A	2039	7.980								
IGT	HZ	9	194	EP	C	2039	6.431 0.00								1.0
IGT	HE	9	194	ES		2039	8.902 0.00								1.0
IGT	HZ	9	194	IAML		2039	9.574		7730	0.3					
JAN	HE	43	82	ES		2039	7.557-0.21								1.0
SRN	HZ	43	315	EP	C	2039	0.912-0.42								1.0
SRN	HN	43	315	ES		2039	7.607-0.16								1.0
SRN	HZ	43	315	IAML		2039	9.618		598	0.4					
KEK	HZ	49	284	EP	C	2039	2.169-0.21								1.0
KEK	HN	49	284	ES		2039	9.736 0.07								1.0
KEK	HZ	49	284	IAML		2039	7.581		729	0.3					
LSK	HZ	64	19	EP	C	2039	4.215-0.59								1.0
LSK	HN	64	19	ES		2039	3.776-0.28								1.0
LSK	HZ	64	19	IAML		2039	6.292		618	0.6					
AL06AHZ		74	316	EP	C	2039	6.201-0.27								1.0
AL06AHN		74	316	ES		2039	6.830-0.24								1.0
AL06AHZ		74	316	IAML		2039	2.754		311	0.3					
TPE	HZ	82	339	EP		2039	7.742-0.00								1.0
TPE	HE	82	339	ES		2039	9.634 0.25								1.0

TPE	HZ	82	339	IAML		2039	1.411		340	0.6			
PLSA	EZ	88	315	EP		2039	9.096	0.27					1.0
PLSA	EZ	88	315	IAML		2039	9.998		165	0.6			
LKD2	HZ	95	164	EP	D	2039	9.902	0.01					1.0
NEST	HZ	107	33	EP	C	2039	1.861	-0.21					1.0
NEST	HZ	107	33	IAML		2040	4.844		207	0.5			
KBN	HZ	119	18	EP		2039	4.144	0.21					1.0
KBN	HZ	119	18	IAML		2040	7.230		70	0.5			
AL05AHZ	122	1	EP	C	2039	4.261	-0.20						1.0
AL05AHZ	122	1	IAML		2040	5.778			132	0.5			
MOGL	EZ	122	1	EP	C	2039	4.737	0.27					1.0
MOGL	EZ	122	1	IAML		2040	5.806		82	0.5			
AL05AHN	122	1	ES		2040	1.443	-0.10						1.0
MOGL	EN	122	1	ES		2040	0.926	-0.61					1.0
BERA	HZ	126	344	EP	C	2039	6.051	0.86					1.0
BERA	HZ	126	344	IAML		2040	5.517		190	0.4			
THL	HZ	142	91	EP	D	2039	8.139	0.29					1.0
THL	HE	142	91	ES		2040	8.044	0.37					1.0
KZN	HZ	144	57	EP	D	2039	7.655	-0.44					1.0
KZN	HE	144	57	ES		2040	7.318	-0.80					1.0
AL07AHZ	146	11	EP		2039	9.931	1.43						1.0
AL07AHE	146	11	ES		2040	0.245	1.40						1.0
BELS	EZ	156	346	EP		2039	0.324	0.26					1.0
BELS	EE	156	346	ES		2040	1.303	-0.37					1.0
BELS	EZ	156	346	IAML		2040	4.216		412	0.4			
VLS	HZ	160	173	EP	C	2039	0.296	-0.40					0.9
VLS	HN	160	173	ES		2040	3.195	0.37					0.9
AL08AHZ	168	353	EP		2039	2.969	1.23						0.9
AL08AHN	168	353	ES		2040	5.511	0.80						0.9
AL08AHZ	168	353	IAML		2040	5.824			137	0.7			
AL03AHZ	223	352	IAML		2040	6.163			52	0.4			
BURR	EZ	223	352	EP		2039	9.172	0.27					0.9
BURR	EZ	223	352	IAML		2040	6.172		33	0.4			
AL03AHZ	223	352	EP		2039	8.812	-0.10						0.9
PHP	HZ	231	2	EP	C	2040	0.320	0.43					0.9
PHP	HN	231	2	ES		2040	8.705	-0.75					0.9
PHP	HZ	231	2	IAML		2040	5.000		35	0.9			
LACI	HZ	232	347	EP		2039	9.343	-0.59					0.9
LACI	HZ	232	347	IAML		2040	8.797		26	0.9			
PUK	HZ	273	352	EP		2040	4.989	-0.37					0.8
PUK	HZ	273	352	IAML		2040	7.726		14	0.5			
KKS	HZ	274	1	EP		2040	5.289	-0.08					0.8
KKS	HZ	274	1	IAML		2040	8.384		35	1.4			
PLG	HZ	277	71	EP		2040	5.773	-0.03					0.8
BCI	HZ	307	356	EP		2040	9.864	0.18					0.8
BCI	HZ	307	356	IAML		2040	5.847		31	0.8			
RZM	EZ	312	348	EP		2040	9.683	-0.64					0.8
RZM	EZ	312	348	IAML		2041	6.795		13	0.9			
AL01AHZ	312	348	EP		2040	9.426	-0.89						0.8
AL01AHZ	312	348	IAML		2041	7.022			23	1.4			
PVY	HZ	333	354	EP		2040	3.399	0.28					0.8
PEJK	HZ	337	359	EP		2040	3.286	-0.26					0.8
NVR	HZ	355	56	EP		2040	5.853	0.08					0.8
ME02AHZ	407	346	EP		2040	1.858	-0.78						0.7

May 24 2024 Hour: 3:29 25.4 Lat: 39.62N Lon: 19.30E D: 20.0 Ag: TIR Local
Magnitudes: 3.8ML TIR 4.0MW TIR Rms: 0.5 secs
65 km SW of Himare

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SELS	SZ			IP	0A	0330	5.400								
GE03	EZ			IP	0A	0329	5.740								
KEK	HZ	44	77	EP	C	0329	3.659	-0.14							1.0
KEK	HE	44	77	ES		0329	0.487	-0.11							1.0
KEK	HZ	44	77	IAML		0329	8.166		2893	0.4					

AL06AHZ	65	37	EP	C	0329	7.045-0.10			1.0
AL06AHN	65	37	ES		0329	6.527-0.13			1.0
AL06AHZ	65	37	IAML		0329	0.944	2773	0.3	
PLSA EZ	67	25	EP		0329	7.734 0.34			1.0
PLSA EN	67	25	ES		0329	6.887-0.22			1.0
PLSA EZ	67	25	IAML		0329	1.990	1770	0.2	
SRN HZ	67	64	EP	C	0329	6.966-0.42			1.0
SRN HN	67	64	ES		0329	6.862-0.23			1.0
SRN HZ	67	64	IAML		0329	0.291	2564	0.3	
SCTE HZ	87	305	EP	C	0329	0.674-0.05			1.0
SCTE HN	87	305	ES		0329	3.750 0.61			1.0
VLO HZ	96	10	EP	C	0329	3.022 0.88			1.0
VLO HE	96	10	ES		0329	5.639-0.05			1.0
TPE HZ	97	39	EP	C	0329	2.343 0.01			1.0
TPE HN	97	39	ES		0329	6.006-0.03			1.0
TPE HZ	97	39	IAML		0329	7.577	1632	0.5	
LSK HZ	126	62	EP	C	0329	6.833-0.25			1.0
LSK HN	126	62	ES		0330	4.634-0.01			1.0
LSK HZ	126	62	IAML		0330	7.054	849	0.4	
BERA HZ	132	25	EP	C	0329	8.147 0.11			1.0
BERA HN	132	25	ES		0330	6.204-0.16			1.0
BERA HZ	132	25	IAML		0330	9.005	761	0.1	
JAN HZ	133	88	EP	C	0329	8.861 0.62			1.0
JAN HN	133	88	ES		0330	6.877 0.13			1.0
LKD2 HZ	149	128	EP	D	0329	1.081 0.30			1.0
LKD2 HN	149	128	ES		0330	1.630 0.30			1.0
AL05AHN	152	37	ES		0330	2.167 0.06			1.0
MOGL EN	152	37	ES		0330	1.865-0.24			1.0
AL05AHZ	152	37	EP		0329	1.616 0.41			1.0
AL05AHZ	152	37	IAML		0330	5.063	916	0.5	
MOGL EZ	152	37	EP		0329	2.070 0.87			1.0
MOGL EZ	152	37	IAML		0330	4.750	536	0.2	
BELS EZ	159	19	EP		0329	2.641 0.60			0.9
BELS EZ	159	19	ES		0330	3.486-0.14			0.9
KBN HZ	169	48	EP	C	0329	3.882 0.47			0.9
KBN HN	169	48	ES		0330	6.381 0.29			0.9
KBN HZ	169	48	IAML		0330	5.479	479	0.9	
PENT HZ	170	67	EP	C	0329	3.808 0.23			0.9
PENT HN	170	67	ES		0330	6.485 0.10			0.9
NEST HZ	173	59	EP		0329	4.209 0.17			0.9
NEST HN	173	59	ES		0330	7.340 0.10			0.9
NEST HZ	173	59	IAML		0330	6.419	396	0.5	
AL08AHZ	178	22	EP		0329	4.770 0.21			0.9
AL08AHE	178	22	ES		0330	8.464 0.28			0.9
AL08AHZ	178	22	IAML		0330	2.535	596	0.5	
AL07AHZ	184	39	EP		0329	5.966 0.58			0.9
AL07AHN	184	39	ES		0330	9.886 0.22			0.9
DRSH EZ	185	6	EP		0329	5.394-0.05			0.9
DRSH EN	185	6	ES		0330	9.777 0.01			0.9
DRSH EZ	185	6	IAML		0330	0.116	573	0.5	
VLS HZ	196	145	EP		0329	6.249-0.55			0.9
KZN HZ	225	69	EP		0330	1.117 0.55			0.9
KZN HN	225	69	ES		0330	9.046-0.01			0.9
LACI HZ	227	9	EP		0330	0.257-0.47			0.9
LACI HN	227	9	ES		0330	9.590 0.25			0.9
LACI HZ	227	9	IAML		0330	5.141	252	0.6	
BURR EZ	228	15	EP		0330	0.695-0.23			0.9
BURR EZ	228	15	ES		0330	0.288 0.59			0.9
BURR EZ	228	15	IAML		0330	9.469	306	0.4	
NOCI HZ	230	305	EP		0330	1.094-0.14			0.9
NOCI HN	230	305	ES		0330	0.757 0.50			0.9
THL HZ	233	91	EP		0330	2.364 0.76			0.9
THL HE	233	91	ES		0330	0.042-0.88			0.9
PHP HZ	249	22	EP		0330	3.150-0.48			0.9

PHP	HZ	249	22	IAML	0330	4.239		216	0.4	
SDA	HZ	270	4	EP	0330	5.719-0.60				0.9
PUK	HZ	273	10	EP	0330	6.329-0.52				0.8
PUK	HZ	273	10	IAML	0330	0.081		155	0.3	
KKS	HZ	288	19	EP	0330	8.721 0.11				0.8
KKS	HZ	288	19	IAML	0330	8.074		182	1.3	
RZM	EZ	303	4	EP	0330	9.639-1.07				0.8
AL01AHZ	303	4	EP	0330	9.689-1.02					0.8
AL01AHZ	303	4	IAML	0330	7.295			136	0.4	
MRVN	HZ	308	302	EP	0330	0.355-0.92				0.8
PDG	HZ	312	359	EP	0330	1.617-0.05				0.8
PDG	HZ	312	359	IAML	0330	8.194		115	0.8	
BCI	HZ	312	12	EP	0330	1.454-0.24				0.8
BCI	HZ	312	12	IAML	0330	6.976		148	0.4	
ME05AHZ	322	348	EP	0330	3.409 0.43					0.8
ME05AHE	322	348	ES	0330	1.880 0.37					0.8
THE	HZ	332	69	EP	0330	4.302 0.05				0.8
PVY	HZ	335	9	EP	0330	4.230-0.53				0.8
PEJK	HZ	345	13	EP	0330	5.935-0.13				0.8
PEJK	HZ	345	13	IAML	0330	5.881		83	0.4	
NKME	HZ	351	355	EP	0330	6.592-0.11				0.8
NKME	HZ	351	355	IAML	0331	0.492		91	0.4	
ITM	HZ	355	139	EP	0330	7.474 0.21				0.8
PLG	HZ	364	75	EP	0330	7.676-0.70				0.8
GMRK	HZ	374	25	EP	0330	8.379-1.36				0.8
ME02AHZ	393	358	EP	0330	1.477-0.74					0.7
SJES	BZ	408	8	EP	0330	3.117-1.04				0.7

May 24 2024 Hour: 7:42 22.7 Lat: 38.88N Lon: 20.23E D: 39.1 Ag: TIR Local
Magnitudes: 2.5ML TIR Rms: 0.5 secs

86 km S of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LKD2	HZ	39	106	EP		0742	2.014	0.04							1.0
LKD2	HN	39	106	ES		0742	8.891-0.57								1.0
VLS	HZ	85	158	EP		0742	8.518	0.39							1.0
VLS	HN	85	158	ES		0742	0.171-0.43								1.0
KEK	HZ	99	338	EP		0742	9.958	0.02							1.0
KEK	HN	99	338	ES		0742	3.443-0.43								1.0
KEK	HZ	99	338	IAML		0742	5.679			78	0.3				
JAN	HZ	101	32	EP		0742	0.453	0.19							1.0
JAN	HN	101	32	ES		0742	3.295-1.16								1.0
SRN	HZ	112	350	EP		0742	1.749	0.16							1.0
SRN	HN	112	350	ES		0742	6.794-0.07								1.0
SRN	HZ	112	350	IAML		0742	8.514			28	0.5				
AL06AHZ	140	343	EP	0742	5.443	0.31									1.0
AL06AHN	140	343	ES	0743	3.409	0.14									1.0
AL06AHZ	140	343	IAML	0743	6.275					37	0.4				
LSK	HZ	144	13	EP		0742	6.157	0.36							1.0
LSK	HN	144	13	ES		0743	4.489	0.01							1.0
LSK	HZ	144	13	IAML		0743	7.990			27	0.3				
PLSA	EZ	151	340	EP		0742	7.252	0.59							1.0
PLSA	EZ	151	340	ES		0743	5.909-0.13								1.0
PLSA	EZ	151	340	IAML		0743	9.889			26	0.2				
TPE	HZ	158	353	EP		0742	7.521	0.08							0.9
TPE	HN	158	353	ES		0743	7.571	0.12							0.9
TPE	HZ	158	353	IAML		0743	6.667			47	0.8				
PENT	HZ	165	28	EP		0742	9.682	1.14							0.9
PENT	HN	165	28	ES		0743	9.543	0.09							0.9
THL	HZ	172	63	EP		0742	0.135	0.87							0.9
THL	HE	172	63	ES		0743	0.599-0.15								0.9
NEST	HZ	184	22	EP		0742	1.405	0.48							0.9
NEST	HE	184	22	ES		0743	3.835	0.08							0.9
NEST	HZ	184	22	IAML		0743	1.706			18	0.4				
SCTE	HZ	201	312	EP		0742	1.914-1.04								0.9

SCTE	HN	201	312	ES	0743	7.501	0.07										0.9
MOGL	EZ	203	4	EP	0742	3.416	0.17										0.9
BERA	HZ	203	353	EP	0742	2.343	-0.93										0.9
BERA	HZ	203	353	IAML	0743	5.370				21	0.3						
MOGL	EZ	203	4	IAML	0743	8.137				6	0.2						
KZN	HZ	206	40	EP	0742	3.906	0.14										0.9
KZN	HN	206	40	ES	0743	8.874	-0.02										0.9
BELS	EZ	233	354	EP	0742	6.521	-0.61										0.9
ITM	HZ	241	141	EP	0742	8.595	0.41										0.9
ITM	HN	241	141	ES	0743	6.617	-0.27										0.9

May 25 2024 Hour: 10:39 45.3 Lat: 39.76N Lon: 20.69E D: 17.7 Ag: TIR Local
Magnitudes: 3.0ML TIR 3.4MW TIR Rms: 0.4 secs
44 km E of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SELS	SZ			IP	0A	1040	1.500								
GE03	EZ			IP	0A	1040	4.320								
JAN	HZ	18	130	EP		1039	0.138	0.32							1.0
JAN	HN	18	130	ES		1039	3.806	0.36							1.0
LSK	HZ	44	350	EP		1039	3.080	-0.52							1.0
LSK	HN	44	350	ES		1040	0.640	0.35							1.0
LSK	HZ	44	350	IAML		1040	2.004			897	0.4				
SRN	HZ	60	283	EP		1039	5.815	-0.41							1.0
SRN	HN	60	283	ES		1040	4.680	-0.36							1.0
SRN	HZ	60	283	IAML		1040	6.074			764	0.3				
PENT	HZ	62	38	EP		1039	6.129	-0.36							1.0
PENT	HN	62	38	ES		1040	5.536	0.02							1.0
KEK	HZ	77	266	EP		1039	8.494	-0.40							1.0
KEK	HN	77	266	ES		1040	9.903	0.03							1.0
KEK	HZ	77	266	IAML		1040	0.508			289	0.1				
NEST	HZ	79	23	EP		1039	9.127	-0.17							1.0
NEST	HN	79	23	ES		1040	1.420	0.81							1.0
NEST	HZ	79	23	IAML		1040	4.637			217	0.6				
TPE	HZ	83	316	EP		1039	9.643	-0.23							1.0
TPE	HN	83	316	ES		1040	1.934	0.28							1.0
TPE	HZ	83	316	IAML		1040	2.698			174	0.2				
AL06AHZ		88	295	EP		1040	0.696	-0.00							1.0
AL06AHN		88	295	ES		1040	3.895	0.76							1.0
KBN	HZ	96	5	EP		1040	1.480	-0.67							1.0
KBN	HZ	96	5	IAML		1040	1.192			196	0.8				
PLSA	EZ	101	297	EP		1040	3.882	0.85							1.0
PLSA	EN	101	297	ES		1040	6.716	-0.64							1.0
MOGL	EZ	108	346	EP		1040	3.716	-0.36							1.0
LKD2	HZ	108	181	EP		1040	4.314	0.18							1.0
KZN	HZ	110	56	EP		1040	4.065	-0.47							1.0
THL	HZ	116	100	EP		1040	5.443	0.05							1.0
BERA	HZ	122	329	EP		1040	5.639	-0.77							1.0
BERA	HN	122	329	ES		1040	3.455	-0.03							1.0
BERA	HZ	122	329	IAML		1040	6.606			135	0.3				
AL07AHZ		126	360	EP		1040	7.124	-0.06							1.0
VLO	HZ	128	308	EP		1040	7.773	0.27							1.0
VLO	HN	128	308	ES		1040	6.138	0.68							1.0
BELS	EZ	150	334	EP		1040	0.982	0.15							1.0
VLS	HZ	176	183	EP		1040	4.551	0.07							0.9
PHP	HZ	215	354	EP		1040	0.178	0.74							0.9
PHP	HZ	215	354	IAML		1040	6.954			64	1.0				
LACI	HZ	224	339	EP		1040	0.123	-0.42							0.9
LACI	HZ	224	339	IAML		1040	7.916			39	0.9				
PUK	HZ	262	345	EP		1040	5.610	0.06							0.9
PUK	HZ	262	345	IAML		1041	5.072			26	0.2				

May 25 2024 Hour: 11:30 25.4 Lat: 40.17N Lon: 20.56E D: 24.4 Ag: TIR Local
 Magnitudes: 2.6ML TIR 3.1MW TIR Rms: 0.5 secs
 19 km SE of Permet

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SELS	SZ			IP	A	1131	8.950								
LSK	HZ	4	118	EP		1130	9.543	-0.24							1.0
LSK	HN	4	118	ES		1130	3.728	0.38							1.0
LSK	HZ	4	118	IAML		1130	6.029			724	0.4				
TPE	HZ	48	287	EP		1130	3.700	-0.98							1.0
TPE	HN	48	287	ES		1130	2.111	-0.11							1.0
TPE	HZ	48	287	IAML		1130	4.188			139	0.2				
PENT	HZ	49	86	EP		1130	5.166	0.25							1.0
PENT	HN	49	86	ES		1130	2.740	0.10							1.0
NEST	HZ	50	56	EP		1130	5.415	0.43							1.0
NEST	HN	50	56	ES		1130	3.436	0.66							1.0
NEST	HZ	50	56	IAML		1130	4.325			271	0.3				
KBN	HZ	54	21	EP		1130	5.456	-0.19							1.0
KBN	HN	54	21	ES		1130	4.266	0.31							1.0
KBN	HZ	54	21	IAML		1130	7.044			111	0.5				
SRN	HZ	57	237	EP		1130	5.447	-0.58							1.0
SRN	HZ	57	237	ES		1130	4.308	-0.34							1.0
SRN	HZ	57	237	IAML		1130	8.397			186	0.3				
SRN	HZ	57	237	IAML	A	1130	8.608			204	0.6				
AL05AHZ		62	347	EP		1130	6.189	-0.54							1.0
AL05AHN		62	347	ES		1130	5.499	-0.43							1.0
MOGL	EZ	62	347	EP		1130	6.338	-0.39							1.0
JAN	HZ	62	156	EP		1130	6.087	-0.69							1.0
JAN	HN	62	156	ES		1130	6.816	0.81							1.0
AL06AHZ		69	263	EP		1130	7.638	-0.20							1.0
AL06AHN		69	263	ES		1130	8.150	0.21							1.0
BERA	HZ	79	319	EP		1130	8.892	-0.53							1.0
BERA	HN	79	319	ES		1130	1.802	1.00							1.0
BERA	HZ	79	319	IAML		1130	3.555			112	0.1				
PLSA	EZ	80	270	EP		1130	0.103	0.54							1.0
PLSA	EN	80	270	ES		1130	1.951	0.89							1.0
PLSA	EZ	80	270	IAML		1130	5.070			87	0.3				
KEK	HZ	82	233	EP		1130	9.404	-0.55							1.0
KEK	HZ	82	233	IAML		1130	6.450			124	0.1				
VLO	HZ	96	291	EP		1130	2.731	0.55							1.0
KZN	HZ	104	81	EP		1130	3.254	-0.23							1.0
KZN	HN	104	81	ES		1130	7.568	-0.58							1.0
BELS	EZ	105	329	EP		1130	3.031	-0.48							1.0
THL	HZ	141	118	EP		1130	9.028	-0.21							1.0
LKD2	HZ	153	177	EP		1130	1.580	0.69							1.0
BURR	EZ	166	344	EP		1130	2.852	0.32							0.9
AL03AHZ		166	344	EP		1130	2.787	0.24							0.9
PHP	HZ	169	357	EP		1130	3.375	0.44							0.9
PHP	HN	169	357	ES		1131	5.056	-0.21							0.9
PHP	HZ	169	357	IAML		1131	9.213			25	0.5				
LACI	HZ	178	337	EP		1130	4.469	0.44							0.9
LACI	HZ	178	337	IAML		1131	7.753			27	0.6				
SCTE	HZ	179	267	EP		1130	4.091	-0.02							0.9
PUK	HZ	216	345	EP		1130	8.481	-0.49							0.9
PUK	HZ	216	345	IAML		1131	2.793			13	0.7				
PLG	HZ	246	84	EP		1131	2.654	-0.21							0.9

May 25 2024 Hour: 15:10 57.9 Lat: 41.87N Lon: 19.40E D: 12.5 Ag: TIR Local
 Magnitudes: 2.5ML TIR 2.9MW TIR Rms: 0.5 secs
 22 km NW of Lezhe

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SELS	SZ			IP	A	1511	1.750								
SDA	HZ	21	22	EP		1511	2.689	0.42							1.0
SDA	HN	21	22	ES		1511	6.175	0.36							1.0

SDA	HZ	21	22	IAML	1511	8.003	749	0.2	
LACI	HZ	37	135	EP	1511	3.812-0.98			1.0
LACI	HN	37	135	ES	1511	9.851-0.52			1.0
LACI	HZ	37	135	IAML	1511	3.307	200	0.3	
PUK	HZ	45	65	EP	1511	6.009-0.13			1.0
PUK	HN	45	65	ES	1511	3.666 0.86			1.0
PUK	HZ	45	65	IAML	1511	4.882	131	0.3	
AL02AHZ		52	181	EP	1511	7.880 0.69			1.0
AL02AHN		52	181	ES	1511	5.457 0.74			1.0
RZM	EZ	53	360	EP	1511	7.350-0.11			1.0
RZM	EZ	53	360	ES	1511	5.827 0.62			1.0
AL01AHZ		54	13	EP	1511	7.294-0.40			1.0
AL01AHN		54	13	ES	1511	6.119 0.50			1.0
AL01AHZ		54	13	IAML	1511	8.978	156	0.2	
AL03AHZ		58	121	EP	1511	7.727-0.62			1.0
AL03AHN		58	121	ES	1511	7.665 0.84			1.0
BURR	EZ	58	121	EP	1511	7.872-0.49			1.0
BURR	EN	58	121	ES	1511	7.159 0.32			1.0
BURR	EZ	58	121	IAML	1511	8.106	83	0.4	
PDG	HZ	63	349	EP	1511	8.276-0.84			1.0
PDG	HN	63	349	ES	1511	8.200-0.00			1.0
PDG	HZ	63	349	IAML	1511	1.024	100	0.4	
DRSH	EZ	66	171	EP	1511	9.859 0.19			1.0
DRSH	EZ	66	171	ES	1511	9.855 0.65			1.0
DRSH	EZ	66	171	IAML	1511	6.553	121	0.7	
BCI	HZ	78	45	EP	1511	1.314-0.27			1.0
BCI	HZ	78	45	IAML	1511	9.963	96	0.9	
KKS	HZ	86	75	EP	1511	2.525-0.39			1.0
KKS	HN	86	75	ES	1511	5.342 0.26			1.0
KKS	HZ	86	75	IAML	1511	2.729	46	0.5	
PHP	HZ	89	103	EP	1511	2.594-0.84			1.0
PHP	HN	89	103	ES	1511	6.289 0.26			1.0
PHP	HZ	89	103	IAML	1511	8.888	38	0.4	
AL04AHZ		97	172	EP	1511	5.253 0.48			1.0
ME05AHZ		99	312	EP	1511	4.927-0.11			1.0
ME05AHN		99	312	ES	1511	9.438 0.51			1.0
NKME	HZ	106	340	EP	1511	5.827-0.50			1.0
NKME	HN	106	340	ES	1511	1.583 0.32			1.0
BELS	EZ	109	157	EP	1511	6.959 0.21			1.0
ME01AHZ		115	20	EP	1511	7.951 0.11			1.0
BERA	HZ	138	160	EP	1511	0.967-0.59			1.0
BERA	HN	138	160	ES	1511	0.979 0.26			1.0
BERA	HZ	138	160	IAML	1511	4.861	40	0.2	
ME02AHZ		144	351	EP	1511	2.813 0.04			1.0
ME02AHN		144	351	ES	1511	2.490-0.44			1.0
AL05AHZ		154	147	EP	1511	3.518-0.74			1.0
AL05AHN		154	147	ES	1511	5.431-0.19			1.0
MOGL	EZ	154	147	EP	1511	3.457-0.80			1.0
TPE	HZ	183	163	EP	1511	8.119-0.29			0.9
PLSA	EZ	190	174	EP	1511	8.913-0.51			0.9
NEST	HZ	213	139	EP	1511	2.438 0.06			0.9
NEST	HZ	213	139	IAML	1512	5.542	13	0.2	
LSK	HZ	216	152	EP	1511	2.421-0.37			0.9
LSK	HN	216	152	ES	1512	1.442 0.39			0.9
LSK	HZ	216	152	IAML	1512	9.665	16	1.0	
SRN	HZ	227	167	EP	1511	4.457 0.40			0.9
SRN	HN	227	167	ES	1512	3.883 0.54			0.9
SRN	HZ	227	167	IAML	1512	0.188	12	0.3	

May 27 2024 Hour: 3:15 4.1 Lat: 38.92N Lon: 21.17E D: 24.7 Ag: TIR Local
 Magnitudes: 2.5ML TIR Rms: 0.2 secs
 117 km SE of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LKD2	HZ	47	251	EP		0315	2.881	-0.34							1.0
LKD2	HE	47	251	ES		0315	0.826	0.26							1.0
JAN	HN	86	342	EP		0315	9.465	0.16							1.0
JAN	HE	86	342	ES		0315	1.531	-0.05							1.0
VLS	HZ	97	211	EP		0315	1.495	0.43							1.0
VLS	HE	97	211	ES		0315	4.373	-0.39							1.0
THL	HZ	102	46	EP		0315	1.816	-0.03							1.0
THL	HN	102	46	ES		0315	6.197	0.02							1.0
PENT	HZ	141	359	EP		0315	8.100	0.02							1.0
PENT	HE	141	359	ES		0315	7.279	-0.19							1.0
LSK	HZ	145	340	EP		0315	8.476	-0.11							1.0
LSK	HN	145	340	ES		0315	8.459	0.09							1.0
LSK	HZ	145	340	IAML		0315	2.617			32	0.6				
SRN	HN	146	317	ES		0315	8.523	0.01							1.0
SRN	HZ	146	317	IAML		0316	0.577			18	1.3				
KEK	HZ	147	307	EP		0315	9.040	0.25							1.0
KEK	HN	147	307	ES		0315	8.612	-0.14							1.0
KEK	HZ	147	307	IAML		0316	0.543			42	0.7				

May 28 2024 Hour: 11:12 7.9 Lat: 38.51N Lon: 20.97E D: 11.2 Ag: TIR Local
 Magnitudes: 2.9ML TIR 3.5MW TIR Rms: 0.3 secs
 145 km SE of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LKD2	HZ	42	319	EP		1112	5.860	0.31							1.0
LKD2	HN	42	319	ES		1112	1.541	-0.22							1.0
VLS	HZ	49	223	EP		1112	6.567	-0.28							1.0
VLS	HN	49	223	ES		1112	4.401	0.29							1.0
THL	HZ	148	37	EP		1112	3.170	-0.13							1.0
THL	HN	148	37	ES		1112	3.846	-0.04							1.0
KEK	HZ	168	323	EP		1112	6.745	0.13							0.9
KEK	HN	168	323	ES		1113	0.028	0.15							0.9
KEK	HZ	168	323	IAML		1113	2.527			116	0.5				
ITM	HZ	170	150	EP		1112	6.779	-0.10							0.9
ITM	HE	170	150	ES		1113	0.463	0.10							0.9
SRN	HZ	174	332	EP		1112	7.102	-0.30							0.9
SRN	HE	174	332	ES		1113	1.598	0.28							0.9
SRN	HZ	174	332	IAML		1113	8.336			44	0.9				
LSK	HZ	185	350	EP		1112	9.254	0.29							0.9
LSK	HE	185	350	ES		1113	4.126	-0.01							0.9
LSK	HZ	185	350	IAML		1113	5.965			57	1.2				
PENT	HZ	188	4	EP		1112	9.457	0.11							0.9
PENT	HN	188	4	ES		1113	4.812	-0.02							0.9
AL06AHZ	205	330	EP		1112	1.285	-0.05								0.9
NEST	HZ	212	2	EP		1112	3.113	0.71							0.9
NEST	HZ	212	2	IAML		1113	5.582			32	1.0				
BERA	HZ	259	341	EP		1112	8.216	-0.11							0.9
SCTE	HZ	277	310	EP		1112	9.743	-0.91							0.8
PUK	HZ	403	347	EP		1113	6.414	-0.49							0.7

May 29 2024 Hour: 9:36 20.0 Lat: 39.52N Lon: 20.50E D: 6.3 Ag: TIR Local
 Magnitudes: 2.8ML TIR 3.0MW TIR Rms: 0.4 secs
 31 km SE of Konispol

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRN	HZ	59	313	EP		0936	9.874	-0.67							1.0
SRN	HE	59	313	ES		0936	8.622	-0.44							1.0
SRN	HZ	59	313	IAML		0936	1.585			415	0.5				
LSK	HZ	70	7	EP		0936	2.545	-0.06							1.0
LSK	HN	70	7	ES		0936	3.139	0.35							1.0
LSK	HZ	70	7	IAML		0936	7.379			263	0.5				

TPE	HZ	95	334	EP	0936	7.217	0.29							1.0
TPE	HN	95	334	ES	0936	0.281	-0.34							1.0
TPE	HZ	95	334	IAML	0936	9.362		238	0.8					
PLSA	EZ	104	314	EP	0936	9.062	0.72							1.0
PLSA	EZ	104	314	ES	0936	3.453	0.28							1.0
PLSA	EZ	104	314	IAML	0936	7.682		92	0.3					
MOGL	EZ	132	356	EP	0936	2.962	-0.04							1.0
MOGL	EZ	132	356	IAML	0937	0.626		32	0.6					
VLO	HZ	136	321	EP	0936	3.880	0.22							1.0
VLO	HN	136	321	ES	0937	3.258	0.45							1.0
VLO	HZ	136	321	IAML	0937	1.370		170	0.4					
BERA	HZ	139	340	EP	0936	3.831	-0.41							1.0
BERA	HN	139	340	ES	0937	3.750	-0.11							1.0
BERA	HZ	139	340	IAML	0937	5.463		114	0.6					
BELS	EZ	168	343	EP	0936	9.876	0.76							0.9
BELS	EE	168	343	ES	0937	2.567	-0.11							0.9
PHP	HZ	240	359	EP	0936	8.407	-0.30							0.9
PHP	HN	240	359	ES	0937	9.732	-0.31							0.9
PHP	HZ	240	359	IAML	0937	4.630		20	0.7					
LACI	HZ	244	344	EP	0936	8.670	-0.45							0.9
LACI	HZ	244	344	IAML	0937	9.953		23	0.5					
PUK	HZ	284	350	EP	0937	4.440	0.01							0.8
PUK	HZ	284	350	IAML	0937	9.936		11	0.4					
RZM	EZ	327	344	IAML	0937	9.458		4	0.3					