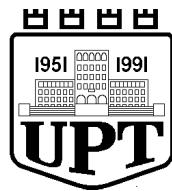


## BULETINI I TËRMETEVE TË RRJETIT SIZMOLOGJIK SHQIPTAR

MARS 2013

PARAMETRIC DATA  
AND ALBANIAN'S EARTHQUAKE ANALYSIS  
MARCH 2013



UNIVERSITETI POLITEKNIK I TIRANËS  
INSTITUTI I GJEOSHKENCAVE, ENERGJISË, UJIT DHE MJEDISIT  
*Departamenti i Sizmologjisë*

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**BULETINI MUJOR I RRJETIT SIZMOLOGJIK**

**TË SHQIPERISË**

**MARS 2013**

***MONTHLY BULLETIN OF THE ALBANIAN***

***SEISMOLOGICAL NETWORK***

***MARCH 2013***

Përliluar nga:

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**Tiranë, 2013**

**INFORMACION I PERGJITSHEM****Prezantim**

The **Buletini i Rjeftimit Sizmologjik të Shqipërisë** isja publikim periodik i parametrave valore, parametrave vatreore dhe madhësisë së tërmeteve brenda territorit të Shqiperisë dhe rrotull saj, përpiluar nga Departamenti i Sizmologjisë i Institutit te Gjeoshkencave, Energjisë, Ujit dhe Mjedisit pranë Universitetit Politeknik të Tiranës.

Parametrat e vlerësuar i referohen kuadrantit gjeografik të kufizuar nga koordinatat:  $39.0^{\circ}$ - $43.0^{\circ}$  N dhe  $18.5^{\circ}$ - $21.5^{\circ}$  E.

Buletini përmban pjesën spjeguese të përbërë nga informacioni i përgjithshëm, simbolet e përdorura për parametrat e vlerësuar, të dhënat fazore valore për seicilin nga tërmetet e regjistruar dhe përpunuar, katalogu mujor i tërmeteve, informacionin makrosimik, statistikor, mekanizmin vatror dhe hartën e shpërndarjes së epiqendrave. Në të përfshihen disa kategori tërmetesh, bazuar në informacionin e regjistruar dhe përpunuar për secilen prej tyre. Ato janë: **1**- tërmetet e lokalizuar; **2**- tërmetet e regjistruar nga më shumë se një stacion lokal, por jo të lokalizuar dhe **3**- tërmete te regjistruar të paktën nga një stacion lokal, por me më shumë se një fazë valore.

Të dhënati parametrike, si më siper, vlerësohen në mënyrë të pandërprerë nëpërmjet monitorimit sizmologjik dhe bazohen në analizën sasiore të regjistrimit instrumental valor. Llogaritja e vlerave të tyre është produkt i aplikimit të metodave analitike të njoitura, në menyrë

**GENERAL INFORMATION****Introduction**

This **Bulletin of Seismological Data of Albania** is a periodic publication of earthquake wave data, source parameters and their magnitudes, for every seismic event occurring inside the Albanian territory and its surroundings. This publication is compiled in the Department of Seismology of the Institute of Geosciences, Energy, Water and Environment under the Polytechnic University of Tirana. All the estimated values, of the parameters, refer to the geographic quadrant confined by the coordinates:  $39^{\circ}$ - $43^{\circ}$  N and  $18.5^{\circ}$ - $21.5^{\circ}$  E. Bulletin comprises a description section, containing the most general information, the section of the used symbols corresponding to all the evaluated parameters, phases data for each of the recorded and located earthquakes. It contains also the event catalogue, the macro-seismic information, the statistical information, the focal mechanism solutions and an aerial epicenter distribution map.

Different earthquake information categories are included, depending on their recorded and elaborated information, for each of them. They are: **1**- localized earthquakes; **2**- earthquakes recorded from more than one local station, but not located and **3**- earthquakes recorded at least by one station, but having more than one seismic phase.

The parametric data, as above, are permanently evaluated throughout the seismological monitoring routine, based upon quantitative analyze of instrumental waveform recordings. Their computed values are the direct application

iterative dhe interaktive, të aplikuara në programe llogarites të certifikuar dhe të njojur globalisht. Kështu, për përcaktimin e të dhënave kohore valore hyrëse përdoret programi Atlas, ndërsa lokalizimi i tërmeteve kryhet nëpërmjet programit Hypoinverse.

Në këtë analizë merret në konsideratë modeli lokal për strukturën e shpejtësisë së përhapjes së valëve sizmike (Ormëni 2007) (kryesisht atyre volumore, primare dhe sekondare, P dhe S). Vlerësimi i magnitudës realizohet duke aplikuar modele të njojur parametrik si ai Richter & Gutenberg (1956) dhe Eaton (1992).

Analiza e të dhënave të publikuara realizohet nga grupei i punes i përbere nga punonjësit kërkues shkencor Rrapo Ormeni dhe Edmond Dushi si edhe ata ndihmës shkencor Ardian Minarolli dhe Ervin Kasa.

Informacioni instrumental valor përfshihet nëpërmjet një rrjeti stacionesh lokal, ku përfshihen: stacioni sizmologjik qëndror i Tiranës (TIR), B. Currit (BCI), Pukës (PUK), Peshkopisë (PHP), Vlorës (VLO), Tepelenës (TPE), Sarandës (SRN) dhe Korçës (KBN), te cilët janë të paisur me sensor me bandë të gjërë regjistrimi. Gjithashtu, rrjeti lokal përmban edhe një numër stacionesh me regjistrim me period të shkurtër, ku përfshihen: Shkodra (SDA), Laçi (LACI) dhe Leskoviku (LSK).

Në analizë perfshihen edhe të dhënat valore të regjistruara e përcaktuara nga një numër stacionesh sizmologjik të rajonit dhe Mesdheut, të cilët i përkasin rrjetit sizmologjik të Universitetit "Aristotel" të Selanikut (AUTH), rrjetit sizmologjik Italian të menaxhuar nga Instituti Kombtar i Gjeofizikës dhe Vullkanologjisë (INGV), si edhe stacione të rrjetit sizmologjik të Observatorit Sizmologjik të Malit të Zi (MSO).

result of known analytical methods, iteratively and interactively, within certified and globally known computational programs.

Hence, for the onset time data determination, the Atlas program is used, whereas the earthquake location is done by mean of Hypoinverse program. For this analyze, a local velocity model accounting for the local and accurate seismic wave paths, is used (Ormeni, 2007). Mainly body seismic waves are concerned, primary P-phases and secondary S-phases, within computation and location process. Magnitude determination is achieved through known parametric models as the one of Richter (1956) and Eaton (1992).

Analyzes of the published data is undertaken from a dedicated working group, comprising by scientific staff Rrapo Ormeni & Edmond Dushi and technical staff Ardian Minarolli & Ervin Kasa.

Instrumental information is achieved through a network of local seismological stations, as listed: Tirana central station (TIR), B. Curri (BCI), Puka (PUK), Peshkopia (PHP), Vlora (VLO), Tepelena (TPE), Saranda (SRN) and Korça (KBN), which are equipped with broad band seismic sensors.

Also, the local network enumerates some short period recording stations, situated at Shkodra (SDA), Laçi (LACI) and Leskoviku (LSK).

In this analyze, data from a number of regional stations, are included as well. They are distributed along the Mediterranean coast and belong to the AUTH network of the "Aristotle" university of Thessaloniki, Italian National Seismological Network managed from National Institute of Geophysics and Volcanoes (INGV) as well as seismological stations of the Seismological Observatory of Montenegro (MSO).

## STACIONET E RRJETIT SIZMOLOGJIK( SEISMOLOGICAL NETWORK STATION)

Kodi Stacionit (Stn. Code)	Regjistrimi (po/jo) (Registered)	Koordinatat (Coordinates)		Lartesia (Elevation)	Tipi Stacionit (Stn. Type)	Sizmometri (Sensor Type)	Sistemi regjistrimit Recording system	Sistemi i komunikimit Comunication system	Perioda natyrore e sensorit (Natural Sensor period)
		V-J (N-S)	L-P (E-W)						
TIR	Po (y)	41.3477	19.8650	198	3C-VBB	STS-2	Quantera	VSAT	120 s
BCI	Po	42.3666	20.0675	500	3C-BB	CMG-40T	Trident	VSAT	40 s
KKS	Po	42.0756	20.4113	300	3C-BB	SM-4 (B)	GBD-x16	Dial Up	0.2 s
PHP	Po	41.6847	20.4408	670	3C-BB	Trillium-40	Trident	VSAT	40 s
PUK	Po	42.0426	19.8926	900	3C-BB	Trillium-40	Trident	VSAT	40 s
SDA	Po	42.0519	19.4986	80	3C-SP	SM-4 (B)	GBD-x16	Dial Up	0.2 s
LACI	Po	41.6363	19.7094	40	3C-SP	SM-4 (B)	GBD-x16	Dial Up	0.2 s
KBN	Po	40.6236	20.7874	800	3C-BB	Trillium-40	Trident	VSAT	40 s
LSK	Po	40.1500	20.6000	920	3C-SP	SM-4 (B)	GBD-x16	Dial Up	0.2 s
TPE	Po	40.2952	20.0109	240	3C-BB	CMG-40T	Trident	VSAT	40 s
VLO	Po	40.4686	19.4955	80	3C-BB	Trillium-40	Trident	VSAT	40 s
SRN	Po	39.8800	20.0005	20	3C-BB	Trillium-40	Trident	VSAT	40 s

## SIMBOLIKA E PERDORUR NE PERMBAJTJEN E BULETINIT SIZMOLOGJIK

## SYMBOLIC USED IN SEISMOLOGICAL BULLETIN CONTAIN

Simboli (Symbol)	Parametri korrespondues (Corresponding parameter)	Pershkrimi (Description)
<i>Y</i>	Viti (year)	Viti ndodhjes se ngjarjes (year of occurrence)
<i>M</i>	Muaji (month)	Muaji i ndodhjes së ngjarjes (month of occurrence)
<i>D</i>	Dita (day)	Data e ndodhjes së ngjarjes (date of occurrence)
<i>H</i>	Ora (hour)	Ora ne origjine (UTC) (origine time universal)
<i>M</i>	Minuta (minute)	Minuta (origine time minute)
<i>Sec</i>	Sekonda (second)	Sekonda (origine time second)
<i>Lat</i>	Gjerësia gjeografike (latitude)	Gjerësia gjeografike e epikendrës Veri-Jug( $^{\circ}$ ) Geographical latitude N-S direction
<i>Lon</i>	Gjatësia gjeografike (longitude)	Gjatesia gjeografike e epikendrës Lindje-Perendim( $^{\circ}$ ) Geographical longitude E-W direction
<i>Dep</i>	Thellësia (depth)	Thellësia vatore (focal depth)-km
<i>Hor. err</i>	Gabimi horizontal (horizontal error)	Gabimi ibërë në vlerësimin eepiqendres (km) Estimation error of epicentre
<i>Ver. err</i>	Gabimi vertikal (vertical error)	Gabimi i bërë në vlerësimin thellësisë (km) Depth estimation error
<i>Gap</i>	Mosmbulimi me stacione minitorimi (azimuthal gap)	Zona e sferës fokale (imaginare), e pa mbuluar me stacione regjistrues Azimuthal station gap
<i>Rms</i>	Gabimi mesatar kuadratik (Root mean square)	Gabimi i per gjithem (Total estimation error-sec)
<i>Mag</i>	Magnituda (magnitude)	Madhesia e termetit sipas shkalles lokale te kalibruar (local calibrated measure of the earthquake size)
<i>Net</i>	Emërtimi i rrjetit sizmologjik (network code)	Kodi nderkombetar i identifikimit te rrjetit ne FDSN (Federation of Digital seismologies network) eshte AC

		(International code of Network identification on FDSN is AC)
<b>Nr</b>	Numuri i stacioneve (station's number)	Nr. Stacioneve te perdorur ne lokalizim (No. Of used stations)
<b>STAT</b>	Kodi i stacionit (station code)	Kodi nderkombetar që përdoret për të identifikuar stacionin përkatës sismologjik (tre karaktere) (international stn code)
<b>SP</b>	Komponentja e regjistrimit (recording component)	Kodimi i komponenteve te regjistrimit ne perputhje e orientimin gjografik 3D (Z, N ose E) Component code according to recording direction
<b>IPHASW</b>	Faza valore sismike (seismic wave phase)	tipi i valës P ( $P_g / P_n$ ) ose S ( $S_g / S_n$ ) (wave phase type)
<b>D</b>	Polariteti i hyrjes së parë në komponenten vertikale (first vertical honest polarity)	Polariteti i vales renese ne stacion, ne komponenten Z (first onset polarity on Z)
<b>HRMM SECON</b>	Ora, minuta dhe sekonda (time onsets for each phase)	Te dhenat kohore per mbrritjen e seciles faze ne regjistrim Time data for each phases on recording
<b>AZIMU</b>	Kendi azimutal (station-source azimuth angle)	Azimuti stacion- vater termeti Station-focus azimuthal angle
<b>RES</b>	Diferenca kohore (time residual)	Ndryshimi ndërmjet kohës teorike të llogaritur nga modeli dhe kohës faktike, nga regjistrimi Time residuals between calculated and observed times
<b>DIS</b>	Largesia epiqendrore (epicentral distance)	Lagesia horeizontale epiqender-stacion Distance from epicenter to the station
<b>DUR</b>	Zgjatshmeria e sinjalit sismik (signal time duration)	Shpreh zgjatshmerinë e plotë të sinjalit sismik ne sismogram Total Signal Duration

## INFORMACIONI PARAMETRIK FAZOR DHE LOKALIZIMI (PARAMETRIC PHASES INFORMATION AND LOCATION)

### TËRMETE TËAFËRTA (NEAR EARTHQUAKE)

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2013	3	1	2200	51.00	41.08	20.27	6	ASN	6	0.1	3.3	GURSHPATE
												ELBASAN
STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md		
TIR	SZ	IPG		2200	59.14	311	0.2	45	47	3.2		
TIR	SE	ISG		2201	05.66	311	0.1	45				
PHP	SZ	IPG		2201	03.34	12	0.4	68	53	3.3		
PHP	SE	ISG		2201	13.14	12	0.2	68				
TPE	SZ	IPG		2201	07.11	195	0.1	90	54	3.3		
TPE	SE	ISG		2201	15.31	195	-0.2	90				

VLO	SZ	IPG	2201	07.35	224	0.3	94		
VLO	SE	ISG	2201	20.11	224	-0.2	94		
PUK	SZ	IPG	2201	10.69	334	0.3	100	59	3.4
PUK	SE	ISG	2201	25.61	334	0.1	100		
SRN	SZ	IPN	2201	14.93	190	0.2	135	59	3.4
SRN	SE	ISN	2201	33.01	190	0.1	135		
BCI	SZ	IPN	2201	16.02	354	0.3	143		
BCI	SE	ISN	2201	35.40	354	0.1	143		

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter  
 2013 3 3 0356 58.34 40.18 21.23 14 ASN 3 0.4 3.0 GREECE  
 GAP=322 hor.err=2km ver,err=3KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
FNA	SZ	IPG		0357	11.29	10	0.2	67		
FNA	SE	ISG		0357	20.21	10	-0.3	67		
PHP	SZ	IPN		0357	29.41	339	0.1	179	46	3.0
PHP	SE	ISN		0357	54.21	339	0.2	179		
PUK	SZ	IPN		0357	37.16	332	-0.1	234	55	3.2
PUK	SE	ISN		0358	06.26	332	0.4	234		

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		0451	31.48	34	0.2	15	13	2.0
PHP	SE	ISG		0451	34.60	34	0.3			
PUK	SZ	IPG		0451	40.45	326	-0.1	64	22	2.6
PUK	SE	ISG		0451	48.54	326	0.2			
FNA	SZ	IPN		0451	51.46	134	0.3			
FNA	SE	ISN		0452	06.61	134	0.4			

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		2129	57.64					
PHP	SE	ISG		2130	02.15					

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		0333	23.97					
PHP	SE	ISG		0333	26.11					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter	
2013	3	5	0403	02.07	41.88	20.64	7	ASN	3	0.2	2.1	RESTELICE, MACEDONI	
					hor,err=2km			ver,err=1KM					GAP=259

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		0403	07.54	218	0.1	28	10	2
PHP	SE	ISG		0403	11.21	218	0.0			
PUK	SZ	IPG		0403	13.78	286	0.1	65	14	2.2
PUK	SE	ISG		0403	22.76	286	0.1			
BCI	SZ	IPG		0403	15.12	319	0.1	72	14	2.2
BCI	SE	ISG		0403	25.56	319	0.1			

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter	
2013	3	6	2108	34.58									
					hor,err=km			ver,err=KM					GAP=

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		2108	34.58					
PHP	SE	ISG		2108	39.85					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter	
2013	3	6	1731	30.68									
					hor,err=km			ver,err=KM					GAP=

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
BCI	SZ	IPG		1731	30.68					
BCI	SE	ISG		1731	33.83					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter	
2013	3	7	0104	06.83									
					hor,err=km			ver,err=KM					GAP=

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
BCI	SZ	IPG		0104	06.83					
BCI	SE	ISG		0104	09.52					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2013 3 7 2129 06.61 41.44 20.94 7 ASN 4 0.1 2.6 MACEDONI  
 GAP=188 hor,err=1km ver,err=12KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		2129	14.53	303	0.1	50	28	2.7
PHP	SE	ISG		2129	21.96	303	-0.1			
FNA	SZ	IPG		2129	20.34	153	-0.1	81		
FNA	SE	ISG		2129	31.53	153	-0.1			
PUK	SZ	IPG		2129	22.12	308	0.1	110	36	3
PUK	SE	ISG		2129	39.94	308	0.1			
BCI	SZ	IPG		2129	28.18	315	0.1	126	36	3
BCI	SE	ISG		2129	44.56	315	0.1			

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter  
 2013 3 9 0658 13.57 42.61 17.59 2 ASN 3 0.4 3.5 ADRIATIC SEA  
 GAP=186 hor,err=10km ver,err=12KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
BCI	SZ	IPN		0658	45.49	90	0.1	203	70	3.5
BCI	SE	ISN		0659	13.48	90	0.3			
TIR	SZ	IPN		0658	52.85	121	0.2	222	71	3.5
TIR	SE	ISN		0659	23.19	121	0.3			
PHP	SZ	IPN		0658	53.79	108	0.6	249	71	3.5
PHP	SE	ISN		0659	29.12	108	-0.4			

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter  
 2013 3 11 1447 31.14 42.02 20.49 7 ASN 3 0.1 2.9 SHTIQEN,KUKES  
 GAP=229 hor,err=9km ver,err=2KM -ALBANIA

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		1447	38.82	187	0.1	38	32	2.9
PHP	SE	ISG		1447	43.66	187	0.1			
BCI	SZ	IPG		1447	41.42	318	0.0	52	34	2.9
BCI	SE	ISG		1447	47.96	318	0.1			
TIR	SZ	IPG		1447	47.77	215	-0.2	92		
TIR	SE	ISG		1448	00.01	215	-0.1			

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter  
 2013 3 12 2108 36.57 hor,err=km ver,err=KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		2108	36.57					
PHP	SE	ISG		2108	37.65					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2013 3 15 1650 40.82  
GAP= hor. err=km ver. err=KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		1650	40.82					
PHP	SE	ISG		1650	44.11					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2013 3 16 2214 17.71 42.35 18.91 10 ASN 3 0.4 3.0  
GAP=336 hor. err=2km ver. err=4KM MONTENEGRO

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
BCI	SZ	IPG		2214	35.49	101	0.2	104	32	3.0
BCI	SE	ISG		2214	49.00	101	0.1	104		
PUK	SZ	IPN		2214	36.13	122	0.3	105	32	3.0
PUK	SE	ISN		2214	49.42	122	-0.1	105		
PHP	SZ	IPN		2214	44.02	125	0.2	165	34	3.1
PHP	SE	ISN		2215	06.13	125	0.4	165		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2013 3 17 0348 25.20 41.81 20.08 7 ASN 3 0.4 2.5  
KTHELLE, RRESHEN  
GAP=143 hor. err=1km ver. err=1KM -ALBANIA

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PUK	SZ	IPG		0348	30.80	330	0.2	31	23	2.5
PUK	SE	ISG		0348	36.04	330	-0.3	31		
PHP	SZ	IPG		0348	31.10	113	0.1	32	20	2.4
PHP	SE	ISG		0348	36.44	113	0.2	32		
TIR	SZ	IPG		0348	34.75	200	-0.1	53	22	2.5
TIR	SE	ISG		0348	42.67	200	0.4	53		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2013 3 17 0501 36.88 42.40 18.87 3 ASN 3 0.3 2.9  
GAP=335 hor. err=2km ver. err=4KM MONTENEGRO

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PUK	SZ	IPG		0501	53.81	121	0.2	99	31	2.9
PUK	SE	ISG		0502	07.08	121	-0.3	99		
BCI	SZ	IPG		0501	57.75	120	0.2	99	35	3.0
BCI	SE	ISG		0502	07.23	120	0.3	99		
PHP	SZ	IPN		0502	03.11	124	-0.2	158	35	3.0
PHP	SE	ISN		0502	24.95	124	0.3	158		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter	
2013	3	18	1830	49.32									
					GAP=		hor,err=km					ver,err=KM	
STAT SP IPHASW D HRMM SECON AZIMU RES DIS DUR Md													
PHP	SZ	IPG		1830	49.32								
PHP	SE	ISG		1830	55.22								

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter	
2013	3	19	0422	26.93									
					GAP=		hor,err=km					ver,err=KM	
STAT SP IPHASW D HRMM SECON AZIMU RES DIS DUR Md													
TIR	SZ	IPG		0422	26.93								
TIR	SE	ISG		0422	28.97								

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter	
2013	3	19	0434	05.80	41.40	20.84	7	ASN	3	0.2	2.3	STRUGA-	
MACEDONIA													
					GAP=189		hor,err=3km					ver,err=1KM	
STAT SP IPHASW D HRMM SECON AZIMU RES DIS DUR Md													
PHP	SZ	IPG		0434	13.63	313		0.2		45	18	2.3	
PHP	SE	ISG		0434	20.66	313		-0.1		45			
TIR	SZ	IPG		0434	20.90	266		0.4		82	20	2.3	
TIR	SE	ISG		0434	31.56	266		0.3		82			
FNA	SZ	IPG		0434	20.53	146		-0.2		82			
FNA	SE	ISG		0434	31.82	146		0.3		82			

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter	
2013	3	19	0435	54.86	41.41	20.82	7	ASN	3	0.2	2.1	STRUGA-	
MACEDONIA													
					GAP=190		hor,err=2km					ver,err=1KM	
STAT SP IPHASW D HRMM SECON AZIMU RES DIS DUR Md													
PHP	SZ	IPG		0436	02.40	313		0.2		43	14	2.1	
PHP	SE	ISG		0436	08.90	313		-0.1		43			
TIR	SZ	IPG		0436	10.62	266		0.4		80	14	2.1	
TIR	SE	ISG		0436	19.36	266		0.3		80			
FNA	SZ	IPG		0436	11.06	145		-0.2		82			
FNA	SE	ISG		0436	20.38	145		0.3		82			

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2013 3 19 0454 22.89  
 GAP= hor,err=km ver,err=KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		0454	22.89					
PHP	SE	ISG		0454	29.38					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2013 3 20 0220 12.30 41.25 20.59 7 ASN 4 0.2 2.7 MACEDONIA  
 GAP=189 hor,err=1km ver,err=1KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		0220	20.78	346	0.2	50	20	2.5
PHP	SE	ISG		0220	27.33	346	-0.1	50		
FNA	SZ	IPG		0220	27.12	128	0.3	85		
FNA	SE	ISG		0220	39.11	128	0.1	85		
PUK	SZ	IPG		0220	30.53	327	-0.2	105	30	2.9
PUK	SE	ISG		0220	43.16	327	0.2	105		
BCI	SZ	IPN		0220	36.61	341	0.3	130	30	2.9
BCI	SE	ISN		0220	56.70	341	0.1	130		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2013 3 20 0418 48.26 41.34 20.70 6 ASN 3 0.4 2.6 MAQEDONIA  
 GAP=183 hor,err=1km ver,err=3KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		0418	56.11	330	-0.2	43	23	2.5
PHP	SE	ISG		0419	02.31	330	0.1	43		
FNA	SZ	IPG		0419	03.33	137	0.2	84		
FNA	SE	ISG		0419	15.11	137	0.2	84		
PUK	SZ	IPN		0419	06.18	320	0.3	102	28	2.7
PUK	SE	ISN		0419	20.72	320	-0.2	102		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2013 3 20 1910 41.10 41.29 20.65 7 ASN 3 0.2 2.6 MACEDONI  
 GAP=215 hor,err=1km ver,err=4KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		1910	52.70	347	0.2	48	26	2.6
PHP	SE	ISG		1910	59.80	347	-0.3	48		
FNA	SZ	IPG		1910	59.60	127	0.2	85		
FNA	SE	ISG		1911	11.70	127	0.1	85		
BCI	SZ	IPN		1911	07.80	342	0.2	130	28	2.7
BCI	SE	ISN		1911	24.00	342	-0.2	130		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2013	3	21	1657	44.70	41.42	19.35	6	ASN	2	0.3	1.9	ADRIATIC SEA
				GAP=156	hor,err=2km		ver,err=2KM					

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
TIR	SZ	IPG		1657	52.89	101	0.2	43	11	1.9
TIR	SE	SIG		1657	58.54	101	-0.2	43		
PHP	SZ	IPG		1658	01.46	72	0.1	94		
PHP	SE	ISG		1658	14.72	72	0.3	94		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2013	3	22	1955	47.71	40.15	20.92	17	ASN	5	0.3	3.3	GREECE
				GAP=222	hor,err=3km		ver,err=1KM					

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
TPE	SZ	IPG		1955	58.36	282	0.2	79	45	3.3
TPE	SE	ISG		1956	10.12	282	-0.1	79		
FNA	SZ	IPG		1955	58.82	29	0.2	80		
FNA	SE	ISG		1956	10.60	29	0.3	80		
SRN	SZ	IPG		1956	00.80	250	-0.3	85	36	3.1
SRN	SE	ISG		1956	11.36	250	0.2	85		
TIR	SZ	IPN		1956	10.72	327	0.1	159	46	3.3
TIR	SE	ISN		1956	32.54	327	0.4	159		
PHP	SZ	IPN		1956	14.50	342	0.2	174		
PHP	SE	ISN		1956	35.88	342	-0.2	174		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2013	3	23	0045	39.26	41.72	19.79	7	ASN	3	0.1	2.5	RUBIK-ALBANIA
				GAP=201	hor,err=2km		ver,err=1KM					

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PUK	SZ	IPG		0045	44.90	14	0.2	30	19	2.4
PUK	SE	ISG		0045	50.04	14	-0.3	30		
TIR	SZ	IPG		0045	47.77	173	0.1	47	22	2.5
TIR	SE	ISG		0045	55.17	173	0.2	47		
PHP	SZ	IPG		0045	48.65	100	-0.3	55	22	2.5
PHP	SE	ISG		0045	56.83	100	0.2	55		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2013	3	23	0233	53.12	40.31	19.63	8	ASN	6	0.2	2.8	GJORM, VLORE
				GAP=109	hor,err=3km		ver,err=1KM					

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
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VLO	SZ	IPG	0233	65.97	325	0.2	21	36	2.9
VLO	SE	ISG	0234	01.81	325	-0.3	21		
TPE	SZ	IPG	0233	58.89	94	0.1	31	32	2.8
TPE	SE	ISG	0234	04.98	94	0.2	31		
SRN	SZ	IPG	0234	02.75	147	-0.5	57	55	3.1
SRN	SE	ISN	0234	11.31	147	0.2	57		
TIR	SZ	IPG	0234	13.21	256	0.3	116	55	3.1
TIR	SZ	IPG	0234	28.63	256	0.2	116		
PHP	SZ	IPG	0234	31.62	70	0.3	166		
PHP	SE	ISG	0234	42.15	70	-0.5	166		
PUK	SZ	IPN	0234	26.31	23	0.1	193		
PUK	SE	ISN	0234	53.14	23	0.3	193		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2013	3	24	0957	44.59	41.83	20.26	20	ASN	4	0.2	2.5	ARREN-MOLLE
GAP=152					hor,err=2km			ver,err=1KM				-ALBANIA

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG	0957	49.59		137	0.2	22	14	2.2
PHP	SE	ISG	0957	53.76		137	-0.1	22		
BCI	SZ	IPG	0957	55.08		345	0.3	61	20	2.9
BCI	SE	ISG	0958	05.36		345	0.2	61		
TIR	SZ	IPG	0957	55.44		212	-0.3	63		
TIR	SE	ISG	0958	05.46		212	0.2	63		
FNA	SZ	IPN	0958	10.09		140	0.3	149		
FNA	SE	ISN	0958	29.05		140	0.2	149		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2013	3	24	1323	17.73								
GAP=					hor,err=km			ver,err=KM				

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG	1323	17.23						
PHP	SE	ISG	1323	18.86						

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2013	3	25	0201	26.79								
GAP=					hor,err=km			ver,err=KM				

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG	0201	26.79						
PHP	SE	ISG	0201	33.75						

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Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2013 3 25 0720 57.94 41.83 20.15 13 ASN 7 0.2 4.3 BULSHAR,  
 PESHKOPI  
 GAP=150 hor,err=1km ver,err=1KM -ALBANIA

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		0721	03.58	124	0.0	30	173	4.3
PHP	SN	ISG		0721	08.21	124	0.1	30		
TIR	SZ	IPG		0721	08.57	204	0.0	59	92	3.8
TIR	SN	ISG		0721	17.31	204	0.1	59		
BCI	SZ	IPG		0721	08.92	354	0.1	59	175	4.3
BCI	SN	ISG		0721	16.96	354	-0.1	59		
FNA	SZ	IPN		0721	24.83	138	0.1	156		
FNA	SN	ISN		0721	45.41	138	0.0	156		
VLO	SZ	IPN		0721	25.86	201	0.0	161	175	4.3
VLO	SN	ISN		0721	46.36	201	0.1	161		
TPE	SZ	IPN		0721	27.66	184	0.0	171		
TPE	SN	ISN		0721	48.58	184	-0.1	171		
SRN	SZ	IPN		0721	34.34	184	-0.1	217		
SRN	SN	ISN		0722	02.11	184	-0.1	217		

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter

2013 3 25 0724 31.00  
 GAP= hor,err=km ver,err=KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		0724	31.00					
PHP	SE	ISG		0724	36.81					

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter

2013 3 25 0725 00.18  
 GAP= hor,err=km ver,err=KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		0725	00.18					
PHP	SE	ISG		0725	06.44					

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter

2013 3 25 0725 56.31  
 GAP= hor,err=km ver,err=KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		0725	56.31					
PHP	SE	ISG		0726	00.71					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2013 3 25 0726 59.54  
 GAP= hor,err=km ver,err=KM

STAT SP IPHASW D HRMM SECON	AZIMU	RES	DIS	DUR	Md
PHP SZ IPG 0726 59.54					
PHP SE ISG 0727 04.76					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2013 3 25 0728 09.95  
 GAP= hor,err=km ver,err=KM

STAT SP IPHASW D HRMM SECON	AZIMU	RES	DIS	DUR	Md
PHP SZ IPG 0728 09.95					
PHP SE ISG 0728 16.84					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2013 3 25 0728 35.46  
 GAP= hor,err=km ver,err=KM

STAT SP IPHASW D HRMM SECON	AZIMU	RES	DIS	DUR	Md
PHP SZ IPG 0728 35.46					
PHP SE ISG 0728 41.13					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2013 3 25 0729 07.31  
 GAP= hor,err=km ver,err=KM

STAT SP IPHASW D HRMM SECON	AZIMU	RES	DIS	DUR	Md
PHP SZ IPG 0729 07.31					
PHP SE ISG 0729 12.81					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2013 3 25 0730 00.36  
 GAP= hor,err=km ver,err=KM

STAT SP IPHASW D HRMM SECON	AZIMU	RES	DIS	DUR	Md
PHP SZ IPG 0730 00.36					
PHP SE ISG 0730 08.58					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2013 3 25 0730 34.86  
 GAP= hor,err=km ver,err=KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		0730	34.86					
PHP	SE	ISG		0730	36.41					

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter

2013 3 25 0733 04.10  
 GAP= hor,err=km ver,err=KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		0733	04.10					
PHP	SE	ISG		0733	08.71					

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter

2013 3 25 0733 48.10  
 GAP= hor,err=km ver,err=KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		0733	48.10					
PHP	SE	ISG		0733	56.12					

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter

2013 3 25 0740 01.59 41.81 20.11 24 ASN 4 0.1 2.9  
 BULSHAR, PESHKOPI

GAP=156 hor,err=1km ver,err=2KM -ALBANIA

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		0740	07.89	116	0.1	31	27	2.9
PHP	SN	ISG		0740	13.04	116	0.0	31		
TIR	SZ	IPG		0740	14.47	202	0.1	55	27	2.9
TIR	SN	ISG		0740	19.90	202	0.0	55		
BCI	SZ	IPG		0740	12.68	358	0.0	61	28	2.9
BCI	SN	ISG		0740	21.30	358	-0.1	61		
FNA	SZ	IPN		0740	27.82	136	0.1	158		
FNA	SN	ISN		0740	47.78	136	0.0	158		

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter

2013 3 25 0743 09.11  
 GAP= hor,err=km ver,err=KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		0743	09.11					

PHP SE ISG 0743 14.69

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2013 3 25 0748 00.17 hor,err=km ver,err=KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		0748	00.17					
PHP	SE	ISG		0748	11.86					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2013 3 25 0749 49.49 41.84 20.09 23 ASN 4 0.3 3 BULSHAR,  
PESHKOPI  
GAP=160 hor,err=1km ver,err=2KM -ALBANIA

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		0749	56.36	121	0.1	35	28	2.9
PHP	SN	ISG		0750	00.41	121	0.0	35		
TIR	SZ	IPG		0750	00.12	359	-0.1	58	31	3
TIR	SN	ISG		0750	08.53	359	-0.1	58		
BCI	SZ	IPG		0750	00.51	199	0.1	59	34	3.1
BCI	SN	ISG		0750	08.56	199	-0.1	59		
FNA	SZ	IPN		0750	15.98	136	0.1	160		
FNA	SN	ISN		0750	36.68	136	0.0	160		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2013 3 25 0750 37.80 41.81 20.09 14 ASN 4 0.2 2.6 BULSHAR,  
PESHKOPI  
GAP=150 hor,err=1km ver,err=2KM -ALBANIA

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		0750	43.35	121	0.1	33	24	2.6
PHP	SN	ISG		0750	48.99	121	0.0	33		
TIR	SZ	IPG		0750	46.78	359	-0.1	54	24	2.6
TIR	SN	ISG		0750	55.65	359	-0.1	54		
BCI	SZ	IPG		0750	46.91	199	0.1	62	24	2.6
BCI	SN	ISG		0750	58.06	199	-0.1	62		
FNA	SZ	IPN		0751	04.21	136	0.1	157		
FNA	SN	ISN		0751	26.39	136	0.0	157		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2013 3 25 0758 00.71 hor,err=km ver,err=KM

GAP=

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		0758	00.71					
PHP	SE	ISG		0758	06.12					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2013	3	25	0808	15.67	41.82	20.12	14	ASN	4	0.1	2.6	BULSHAR, PESHKOPI GAP=155
						hor,err=1km						ver,err=3KM -ALBANIA

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		0808	21.86	120	-0.1	31	24	2.6
PHP	SN	ISG		0808	27.58	120	0.0	31		
TIR	SZ	IPG		0808	29.04	202	-0.1	52	24	2.6
TIR	SN	ISG		0808	34.55	202	0.0	52		
BCI	SZ	IPG		0808	24.61	357	0.1	60	25	2.6
BCI	SN	ISG		0808	35.55	357	0.0	60		
FNA	SZ	IPN		0808	42.65	137	0.1	157		
FNA	SN	ISN		0809	00.11	137	0.1	157		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2013	3	25	0819	00.24								
GAP=					hor,err=km							ver,err=KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		0819	00.24					
PHP	SE	ISG		0819	07.77					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2013	3	25	0856	21.87								
GAP=					hor,err=km							ver,err=KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		0856	21.87					
PHP	SE	ISG		0856	30.48					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2013	3	25	0910	56.78								
GAP=					hor,err=km							ver,err=KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		0910	56.78					
PHP	SE	ISG		0911	03.16					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2013 3 25 1214 45.31  
 GAP= hor,err=km ver,err=KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		1214	45.31					
PHP	SE	ISG		1214	51.31					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2013 3 25 2055 39.67 35.65 24.71 7 ASN 5 0.5 4.5 KRETE, GREECE  
 GAP=329 hor,err=8km ver,err=13KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
LKD2	SZ	IPN		2256	23.44	307	-0.3	282		
LKD2	SN	ISN		2257	05.65	307	0.4	282		
IGT	SZ	IPN		2256	31.27	315	-0.2	356		
IGT	SN	ISN		2257	21.98	315	-0.4	356		
SRN	SZ	IPN		2256	39.78	336	0.5	404	182	4.5
SRN	SN	ISN		2257	30.16	336	0.3	404		
FNA	SZ	IPN		2256	40.82	335	-0.4	419		
FNA	SN	ISN		2257	35.68	335	-0.4	419		
PHP	SZ	IPN		2256	53.08	328	-0.6	545	184	4.5
PHP	SN	ISN		2257	56.11	328	-0.7	545		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2013 3 26 1510 22.66 41.82 20.02 11 ASN 3 0.1 2.5 BULSHAR,  
 PESHKOPI  
 GAP=159 hor,err=2km ver,err=1KM -ALBANIA

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		1510	28.37	118	0.1	33	18	2.3
PHP	SN	ISG		1510	34.11	118	0.0	33		
TIR	SZ	IPG		1510	33.35	300	0.1	56	24	2.6
TIR	SN	ISG		1510	40.62	200	0.0	56		
BCI	SZ	IPG		1510	33.13	359	0.1	60	25	2.6
BCI	SN	ISG		1510	42.26	359	0.1	60		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2013 3 26 1740 47.91 40.72 20.66 11 ASN 3 0.1 2.5 MALIQ  
 GAP=262 hor,err=2km ver,err=4KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
FNA	SZ	IPG		1740	59.12	83	0.0	60		
FNA	SN	ISG		1741	07.91	83	0.0	60		
PHP	SZ	IPG		1741	06.87	350	0.1	108	21	2.5

PHP	SN	ISG	1741	21.85	350	0.0	108				
BCI	SZ	IPN	1741	21.51	345	0.0	189	22	2.5		
BCI	SN	ISN	1741	46.67	345	-0.1	189				

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2013	3	26	1741	43.28	40.75	20.65	11	ASN	7	0.1	3.2	MALIQ-ALBANIA
					hor,err=2km			ver,err=4KM				

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
FNA	SZ	IPG	1741	54.82		87	0.1	62		
FNA	SN	ISG	1742	04.10		87	0.0	62		
TPE	SZ	IPG	1741	55.09		227	0.1	74	41	3.2
TPE	SN	ISG	1742	06.06		227	-0.1	74		
TIR	SZ	IPG	1742	00.02		316	0.0	92	41	3.2
TIR	SN	ISG	1742	12.35		316	-0.1	92		
VLO	SZ	IPG	1742	00.87		253	0.0	102		
VLO	SN	ISG	1742	16.68		253	-0.1	102		
PHP	SZ	IPG	1742	02.21		351	-0.1	104	42	3.2
PHP	SN	ISG	1742	16.14		351	-0.1	104		
SRN	SZ	IPG	1742	03.47		210	-0.1	112	38	3.1
SRN	SN	ISG	1742	18.49		210	0.1	112		
BCI	SZ	IPN	1742	17.39		346	-0.1	185	50	3.3
BCI	SN	ISN	1742	37.44		346	-0.1	185		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2013	3	26	1825	06.14								
					hor,err=km			ver,err=KM				

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
FNA	SZ	IPG	1825	06.14						
FNA	SE	ISG	1825	15.59						

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2013	3	26	1839	35.08	40.74	20.70	10	ASN	7	0.1	3.3	SYMIZE, KORÇE
					hor,err=4km			ver,err=2KM				-ALBANIA

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
FNA	SZ	IPG	1839	45.75		85	0.0	56		
FNA	SN	ISG	1839	54.87		85	-0.1	56		
TPE	SZ	IPG	1839	48.19		231	-0.1	77	38	3.1
TPE	SN	ISG	1839	59.14		231	-0.1	77		
TIR	SZ	IPG	1839	51.84		314	0.1	97	44	3.2
TIR	SN	ISG	1840	06.76		314	-0.1	97		
PHP	SZ	IPG	1839	53.16		348	0.1	107	44	3.2
PHP	SN	ISG	1840	08.08		348	0.0	107		
VLO	SZ	IPG	1839	58.89		244	0.0	108	49	3.3

VLO	SN	ISG	1840	10.33	244	0.1	108		
SRN	SZ	IPG	1839	54.25	213	0.0	113	45	3.2
SRN	SN	ISG	1840	10.56	213	-0.1	113		
BCI	SZ	IPN	1840	07.37	344	-0.1	188		
BCI	SN	ISN	1840	33.49	344	-0.1	188		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2013	3	26	1932	32.41	40.72	20.68	15	ASN	6	0.1	2.9	MALIQ-
ALBANIA												
GAP=130				hor,err=3km				ver,err=1KM				

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
FNA	SZ	IPG		1932	43.19	83	0.0	59		
FNA	SN	ISG		1932	51.94	83	-0.1	59		
TPE	SZ	IPG		1932	44.44	231	0.0	76	23	2.7
TPE	SN	ISG		1932	56.20	231	-0.1	76		
TIR	SZ	IPG		1932	48.35	316	0.0	97	28	2.9
TIR	SN	ISG		1933	02.91	316	0.0	97		
PHP	SZ	IPG		1932	50.93	350	0.1	108	28	2.9
PHP	SN	ISG		1933	05.92	350	0.0	108		
SRN	SZ	IPG		1932	51.74	213	0.0	114	28	2.9
SRN	SN	ISG		1933	06.58	213	-0.1	114		
BCI	SZ	IPN		1933	03.93	345	0.1	189	32	3
BCI	SN	ISN		1933	28.25	345	0.1	189		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2013	3	26	1958	47.68	37.91	21.97	1	ASN	6	0.1	3.7	GREECE
GAP=327					hor,err=5km			ver,err=12KM				

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
IGT	SZ	IPG		1959	27.52	321	-0.2	220		
IGT	SN	ISG		1959	55.41	321	-0.2	220		
SRN	SZ	IPG		1959	35.50	322	0.1	268	73	3.7
SRN	SN	ISG		2000	08.63	322	-0.1	268		
TPE	SZ	IPG		1959	38.02	328	-0.2	304	73	3.7
TPE	SN	ISG		2000	16.96	328	-0.2	304		
TIR	SZ	IPG		1959	53.24	335	0.3	411	72	3.7
TIR	SN	ISG		2000	39.97	335	-0.2	411		
PHP	SZ	IPG		1959	55.69	318	-0.1	427		
BCI	SZ	IPN		2000	04.96	311	-0.2	512		

STAT SP I PHASW D HRMM SECON AZIMU RES DIS DUR Md

PHP SZ IPG 0159 32.33  
 PHP SE ISG 0159 40.61

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2013 3 27 1210 36.18  
 GAP= hor,err=km ver,err=KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		1210	36.18					
PHP	SE	ISG		1210	42.32					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2013 3 27 1435 58.01  
 GAP= hor,err=km ver,err=KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		1435	58.01					
PHP	SE	ISG		1436	04.36					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2013 3 27 1646 21.66  
 GAP= hor,err=km ver,err=KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
TPE	SZ	IPG		1646	21.66					
TPE	SE	ISG		1646	24.36					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2013 3 27 1646 36.15  
 GAP= hor,err=km ver,err=KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
TPE	SZ	IPG		1646	36.15					
TPE	SE	ISG		1646	38.02					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2013 3 27 1722 31.23  
 GAP= hor,err=km ver,err=KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
SRN	SZ	IPG		1722	31.23					
SRN	SE	ISG		1722	33.19					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2013 3 27 2223 51.15  
 GAP= hor,err=km ver,err=KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		2223	51.15					
PHP	SE	ISG		2223	53.26					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2013 3 27 2311 32.13 40.39 20.76 4 ASN 4 0.1 2.5 ERSEKE-ALBANIA  
 GAP=154 hor,err=1km ver,err=2KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
TPE	SZ	IPG		2311	44.97	261	0.0	66	22	2.5
TPE	SN	ISG		2311	53.01	261	0.0	66		
FNA	SZ	IPG		2311	44.08	49	0.0	67		
FNA	SN	ISG		2311	53.80	49	0.1	67		
SRN	SZ	IPG		2311	47.28	230	0.1	87	23	2.5
SRN	SN	ISG		2311	59.88	230	-0.1	87		
PHP	SZ	IPN		2311	57.89	348	-0.1	146	24	2.5
PHP	SN	ISN		2312	18.76	348	0.1	146		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2013 3 27 2334 52.02  
 GAP= hor,err=km ver,err=KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
TIR	SZ	IPG		2334	52.02					
TIR	SE	ISG		2334	56.08					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2013 3 28 0400 38.84 42.40 18.78 6 ASN 4 0.2 3.2 MONTENEGRO  
 GAP=313 hor,err=2km ver,err=2KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PUK	SZ	IPG		0400	57.50	111	0.1	111	31	2.8
PUK	SN	ISG		0401	11.10	111	0.2	111		
BCI	SZ	IPG		0401	57.59	91	0.1	117	46	3.2
BCI	SN	ISG		0401	13.01	91	0.2	117		
TIR	SZ	IPN		0401	03.57	138	-0.1	155	46	3.2
TIR	SN	ISN		0401	21.11	138	-0.2	155		
PHP	SZ	IPN		0401	06.17	117	-0.1	169	47	3.2
PHP	SN	ISN		0401	28.68	117	0.2	169		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2013	3	28	0521	24.05	42.39	18.87	11	ASN	4	0.3	3.2	MONTENEGRO
GAP=317 hor.err=4km ver,err=3KM												

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
BCI	SZ	IPG	0521	41.20		103	0.1	108	49	3.3
BCI	SN	ISG	0521	54.86		103	0.2	108		
PUK	SZ	IPG	0521	41.21		123	0.1	109	31	2.8
PUK	SN	ISG	0521	55.84		123	0.2	109		
TIR	SZ	IPN	0521	49.77		146	0.1	164	34	3.1
TIR	SN	ISN	0522	10.92		146	0.2	164		
PHP	SZ	IPN	0521	50.04		125	0.2	170	47	3.2
PHP	SN	ISN	0522	12.99		125	0.2	170		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2013	3	28	1613	37.97	42.41	18.87	34	ASN	4	0.4	4	MONTENEGRO
GAP=305 hor,err=2KM ver,err=3KM												

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
BCI	SZ	IPG	1613	56.23		103	-0.1	123	72	4
BCI	SN	ISG	1614	11.61		103	-0.1	123		
TIR	SZ	IPN	1614	03.68		147	0.2	176	72	4
TIR	SN	ISN	1614	26.11		147	0.2	176		
PHP	SZ	IPN	1614	04.71		122	0.2	184	110	4.3
PHP	SN	ISN	1614	27.32		122	-0.1	184		
FNA	SZ	IPN	1614	22.37		130	-0.1	304		
FNA	SN	ISN	1614	55.29		130	-0.2	304		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2013	3	28	2256	36.53	42.05	20.50	7	ASN	4	0.1	2.7	BELJE, KUKES
GAP=197 hor,err=1km ver,err=2KM -ALBANIA												

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG	2256	44.81		188	0.1	41	25	2.7
PHP	SN	ISG	2256	50.40		188	0.0	41		
BCI	SZ	IPG	2256	46.00		315	0.0	50	28	2.8
BCI	SN	ISG	2256	53.54		315	0.0	50		
TIR	SZ	IPG	2256	53.58		215	0.1	96	28	2.8
TIR	SN	ISG	2257	07.18		215	0.0	96		
FNA	SZ	IPN	2257	02.22		152	0.0	160		
FNA	SN	ISN	2257	26.01		152	0.1	160		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2013	3	29	2121	50.74	41.83	20.22	7	ASN	3	0.1	2.2	KREJ-LURE

GAP=179

hor,err=1km

ver,err=2KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		2121	55.35	132	0.1	25	16	2.2
PHP	SN	ISG		2121	59.65	132	0.0	25		
PUK	SZ	IPG		2121	57.05	311	0.1	35	16	2.2
PUK	SN	ISG		2122	02.11	311	-0.1	35		
BCI	SZ	IPG		2122	01.16	348	-0.1	60	16	2.2
BCI	SN	ISG		2122	10.69	348	-0.1	60		

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter

2013 3 29 2220 48.31 42.03 20.41 13 ASN 5 0.1 2.8 SHTIQEN, KUKES  
 GAP=186 hor,err=1km ver,err=2KM -ALBANIA

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		2220	55.79	176	0.0	40	30	2.8
PHP	SN	ISG		2221	01.15	176	0.0	40		
PUK	SZ	IPG		2220	56.14	271	0.0	43	30	2.8
PUK	SN	ISG		2221	02.35	271	-0.1	43		
BCI	SZ	IPG		2220	56.66	323	-0.1	46	28	2.8
BCI	SN	ISG		2221	03.48	323	-0.1	46		
TIR	SZ	IPG		2221	04.96	211	0.0	89	29	2.8
TIR	SN	ISG		2221	17.35	211	0.0	89		
FNA	SZ	IPN		2221	16.02	149	-0.1	161		
FNA	SN	ISN		2221	36.88	149	-0.1	161		

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter

2013 3 30 1137 59.54 42.47 18.69 18 ASN 3 0.2 3.5 MONTENEGRO  
 GAP=314 hor,err=4km ver,err=3KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
BCI	SZ	IPG		1138	19.13	95	-0.1	113	58	3.5
BCI	SN	ISG		1138	34.23	95	-0.1	113		
TIR	SZ	IPN		1138	26.33	141	0.1	158	59	3.5
TIR	SN	ISN		1138	48.78	141	0.1	158		
PHP	SZ	IPN		1138	27.74	120	0.1	169	58	3.5
PHP	SN	ISN		1138	49.85	120	0.1	169		

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter

2013 3 30 1605 27.02 41.36 20.78 7 ASN 2 0.2 2 MACEDONI  
 GAP=181 hor,err=5km ver,err=7KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		1605	34.85	321	0.1	45		
PHP	SN	ISG		1605	41.76	321	0.0	45		
FNA	SZ	IPG		1605	41.84	142	0.0	82		

FNA SN ISG 1605 52.91 142 0.1 82

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter

2013 3 30 2239 28.41

GAP= hor,err=km ver,err=KM

STAT SP IPHASW D HRMM SECON	AZIMU	RES	DIS	DUR	Md
PHP SZ IPG 2239 28.41					
PHP SE ISG 2239 33.55					

TERMETE TE LARGET (LONG DISTANCE EARTHQUAKE)

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter

2013 3 10 2308 16.01 6.66S 148.3E 60 ASN 4 0.4 6.6 PAPUA NEW

GUINEA

GAP= hor,err=km ver,err=KM

STAT SP IPHASW D HRMM SECON	AZIMU	RES	DIS	DUR	Md
TPE SZ IP 2312 01.31					
SRN SZ IP 2312 12.31					
PHP SZ IP 2312 46.15					
BCI SZ IP 2312 58.16					

**PËRSHKRIM MAKROSIZMIK I  
TËRMETEVE TË NDJESHME NË  
VENDIN TONË**

**MACROSEISMIC DESCRIPTION OF  
EARTHQUAKES FELT IN OUR COUNTRY**

Intensiteti i tërmetit në epiqendër  $I_0$ është përcaktuar me formulën  $I_0 = \frac{M-1}{6}$ . Intensiteti I në qytete është

përcaktuar nga informacioni i marrëmbi ndjeshmerinë e tërmetit nga emergjencat civile si dhe burime të tjera.

The epicentral Intensity of earthquake  $I_0$  is determined by the formula  $I_0 = \frac{M-1}{6}$ . The felt

informacion of earthquakes in inhabitance zones provide by civil emergencies and other source is used to determine the Intensity I.

Nr	D a t a (D a t e)	Kohëndodhja (Origin time)	Epiqendra dhe të dhëna makrosizmike EMS-98 (Epicenter and macroseismic data EMS-98)
1	25.03.2013	07:20:57.9	<p>Epiqendra: 40.83V; 20.15L në fshatin Bulshar, 9 km në Jug të qytetit Klosit. Intensiteti i tërmetit në epiqendër <math>I_0=</math>V-VI balle            Ndjerë: V ballë ne qytetin e Klosit dhe IV-V ballë në qytetin e Kurbneshit            (Epicentre: 40.83N; 20.15E in Bulshar village, South of Klosi town. Epicentral Intensity <math>I_0=</math>V-VI            Felt: V at Klositown and IV-Vat Kurbneshi town)</p>

**KATALOGU I TËRMETEVE MUJORE (THE MONTHLY EARTHQUAKE CATALOG)**

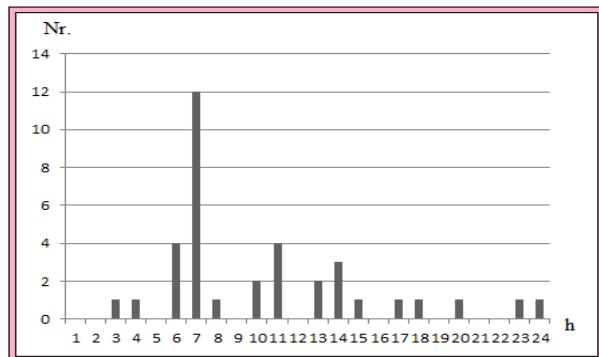
Data	Koha	Gjer.	Gjat	Thell.	Nr.	St.	Gab	Mag.	Vendndodhja	Location
Date	Time	Lat	Long.	Depth	N <sub>o</sub> .	St	Rms	(M <sub>D</sub> )		
vvvv/mm/dd	hh:mm:ss	(km)								
2013 3 1	2200	51. 00	41. 08	20. 27	6		6	0. 1	3. 3	GURSHPATE -ALBANIA
2013 3 3	0356	58. 34	40. 18	21. 23	14		3	0. 4	3. 0	GREECE
2013 3 3	0456	28. 37	41. 56	20. 33	9		3	0. 2	2. 3	BULQIZA-ALBANIA
2013 3 5	0403	02. 07	41. 88	20. 64	7		3	0. 2	2. 1	RESTELICE, MACEDONI

2013	3	7	2129	06.61	41.44	20.94	7	4	0.1	2.6	MACEDONI
2013	3	11	1447	31.14	42.02	20.49	7	3	0.1	2.9	SHTIQEN, KUKES-ALBANIA
2013	3	16	2214	17.71	42.35	18.91	10	3	0.4	3.0	MONTENEGRO
2013	3	17	0348	25.20	41.81	20.08	7	3	0.4	2.5	KTHELLE, RRESHEN-ALBANIA
2013	3	17	0501	36.88	42.40	18.87	3	3	0.3	2.9	MONTENEGRO
2013	3	19	0434	05.80	41.40	20.84	7	3	0.2	2.3	STRUGA-MACEDONIA
2013	3	19	0435	54.86	41.41	20.82	7	3	0.2	2.1	STRUGA-MACEDONIA
2013	3	20	0220	12.30	41.25	20.59	7	4	0.2	2.7	MACEDONIA
2013	3	20	0418	48.26	41.34	20.70	6	3	0.4	2.6	MAQEDONIA
2013	3	20	1910	41.10	41.29	20.65	7	3	0.2	2.6	MACEDONI-ALBANIA
2013	3	21	1657	44.70	41.42	19.35	6	2	0.3	1.9	ADRIATIC SEA
2013	3	22	1955	47.71	40.15	20.92	17	5	0.3	3.3	GREECE
2013	3	23	0045	39.26	41.72	19.79	7	3	0.1	2.5	RUBIK-ALBANIA
2013	3	23	0233	53.12	40.31	19.63	8	6	0.2	2.8	GJORM, VLORE-ALBANIA
2013	3	24	0957	44.59	41.83	20.26	20	4	0.2	2.5	ARREN-MOLLE-ALBANIA
2013	3	25	0720	57.94	41.83	20.15	13	7	0.2	4.3	BULSHAR, PESHKOPI
2013	3	25	0740	01.59	41.81	20.11	24	4	0.1	2.9	BULSHAR, PESHKOPI -ALBANIA
2013	3	25	0749	49.49	41.84	20.09	23	4	0.3	3	BULSHAR, PESHKOPI
2013	3	25	0750	37.80	41.81	20.09	14	4	0.2	2.6	BULSHAR, PESHKOPI
2013	3	25	0808	15.67	41.82	20.12	14	4	0.1	2.6	BULSHAR, PESHKOPI -ALBANIA
2013	3	26	1510	22.66	41.82	20.02	11	3	0.1	2.5	BULSHAR, PESHKOPI
2013	3	26	1740	47.91	40.72	20.66	11	3	0.1	2.5	MALIQ-ALBANIA
2013	3	26	1741	43.28	40.75	20.65	11	7	0.1	3.2	MALIQ-ALBANIA
2013	3	26	1839	35.08	40.74	20.70	10	7	0.1	3.3	SYMIZE, KORÇE
2013	3	26	1932	32.41	40.72	20.68	15	6	0.1	2.9	MALIQ-ALBANIA
2013	3	27	2311	32.13	40.39	20.76	4	4	0.1	2.5	ERSEKE-ALBANIA
2013	3	28	0400	38.84	42.40	18.78	6	4	0.2	3.2	MONTENEGRO
2013	3	28	0521	24.05	42.39	18.87	11	4	0.3	3.2	MONTENEGRO
2013	3	28	1613	37.97	42.41	18.87	34	4	0.4	4	MONTENEGRO
2013	3	28	2256	36.53	42.05	20.50	7	4	0.1	2.7	BELJE, KUKES-ALBANIA
2013	3	29	2121	50.74	41.83	20.22	7	3	0.1	2.2	KREJ-LURE-ALBANIA
2013	3	29	2220	48.31	42.03	20.41	13	5	0.1	2.8	SHTIQEN, KUKES-ALBANIA
2013	3	30	1137	59.54	42.47	18.69	18	3	0.2	3.5	MONTENEGRO
2013	3	30	1605	27.02	41.36	20.78	7	2	0.2	2	MACEDONI

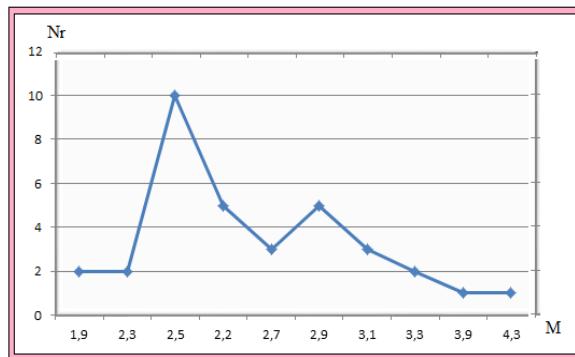
## STATISTIKA E NGJARJEVE SIZMIKE (STATISTICS OF SEISMIC EVENTS)

Karakteristikat e pergjithshme (General Characteristics)	Vlerat (Data values)
➤ Ngjarje sizmike të ndodhura në kuadratin (39-43 V; 18.5-21.5 L)	38
<b>Events occurred within quadrant</b>	
➤ Ngjarje sizmike të ndodhura brenda kufijve shtetërore	37
<b>Events occurred inside state boundaries</b>	
➤ Thellësia mesatare e ngjarjeve sizmike	11

<b>Mean hypocenter depth</b>	34
➤ <i>Thellësia maksimale</i>	
<b>Maximum hypocenter depth</b>	1.9
➤ <i>Magnituda lokale minimale e regjistruar</i>	
<b>Minimum recorded local magnitude</b>	4.3
➤ <i>Magnituda lokale maksimale e regjistruar</i>	
<b>Maximum recorded local magnitude</b>	V-VI
➤ <i>Intensiteti sizmik maksimal ne epiqendër</i>	
<b>Maximum seismic intensity</b>	



Grafiku i shpërndarjes së numurit të ngjarjeve sizmike mujore në vartesi të thellësisë (djathtas) magnitudës (majtas)



Distribution graphic of monthly seismic event number according to depth (right) magnitude (left)

## Zgjidhja e mekanizmit vatrор (ZMV)

Për zgjidhjen e mekanizmit të vatrës janë përdorur polaritetet e hyrjeve të para P (Pg/Pn), të përcaktuara mbi format valore që shprehin funksionin kohor të burimit sizmik perkatës, në fushën e shpejtësisë. Janë përdorur regjistrimet në bandë të gjere frekuenciale (0.2 – 30 Hz), të cilat janë modeluar nëpermjet filtrave band-pass: 1.0-5.0 Hz, 2.0-10 Hz dhe 0.1-3.0 Hz. Për të arritur zgjidhjen optimale janë përdorur edhe raporti i amplitudave të valëve volumore

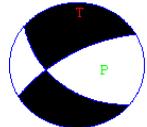
## Focal Mechanism Solution (FMS)

For focal mechanism solution, the first onset polarity of P (Pg/Pn) are used, picked on the source time function respective waveforms. This is done for the velocity field recordings. Broadband recordings are used within the frequency range 0.2-30 Hz, which are modeled by band-pass filtering in the ranges: 1.0-5.0 Hz, To achieve the optimum solution also the amplitude ratio of the type AMPSg/AMPPg, (AMPSn/AMPPn), are

AMPSg/AMPPg, ( AMPSn/AMPPn), të cilat janë lexuar mbi komponentet e transformuara nga sistemi koordinativ gjeografik në atë sferik (vertikal, radial dhe transversal). Eshtë realizuar një kerkim në rrjetin koordinativ me interval 5.0 – 10 grad, duke vendosur kriteret për gabimin në polaritetet e përdorura. Për zgjidhjen përfundimtare është përdorur programi FOCMEC (Snoke. et al., 1984), ndërsa për të optimizuar zgjidhjen është përdorur programi HASH (Hardebeck & Shearer, 2003).

system to the spherical one (vertical, radial and transversal). A grid search at the 5.0-10 degree cells interval has been applied, setting first the allowed error threshold for polarity readings. For final solution the FOCMEC program has been used (Snoke. et al., 1984). Whereas, to optimize the solution HASHroutine(Hardebeck& Shearer, 2003), has been applied as well.

used. These amplitudes are red on rotated and corrected components, from the geographic

Identifikimi i ngjarjes (Event ID)	Parametrat e burimit (Source parameters)	Magnituda (Magnitude)	Parametrat e Mekanizmit (Focal Mechanism parameters)	Tipi (Focal Type)
2013.03.25.07:58	41.83 (N) 20.15 (E) 13 (km)	4.3	P1: 129, 48, -31 P2: 241, 68, -134 T: 1,11 P: 104, 48	

## Harta e epiqendrave të tërmeteve

