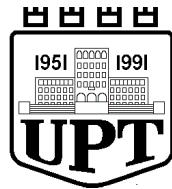


## BULETINI I TËRMETEVE TË RRJETIT SIZMOLOGJIK SHQIPTAR

NËNTOR 2012

PARAMETRIC DATA  
AND ALBANIAN'S EARTHQUAKE ANALYSIS  
NOVEMBER 2012



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**

**NËNTOR 2012**

***MONTHLY BULLETIN OF THE ALBANIAN***

***SEISMOLOGICAL NETWORK***

***NOVEMBER 2012***

Përliluar nga:

*Compiled by:*

**Prof. Asoc. Dr. Rrapo ORMËNI**

**Dr. Edmond DUSHI**

Redaktor përgjegjës

*Redactor in Chief*

**Prof. Asoc. Dr. Rrapo ORMËNI**

Drejtori i Institutit  
*Director of Institute*  
**Prof. Marenglen GJONAJ**

**Tiranë, 2012**

## INFORMACION I PERGJITSHEM

## Prezantim

Buletini i Rrjetit Sizmologjik Shqiptar është një 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:  $39.0^{\circ}$ - $43.0^{\circ}$  V dhe  $18.5^{\circ}$ - $21.5^{\circ}$  L.

Buletini përbën 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 përpunuuar, katalogu major 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 përpunuuar 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 dhënët 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

The Albanian Seismologic Network's bulletin 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 macroseismic 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 (Ormeni 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 grapi 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 përftohet 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 gjerë 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 i bërë në vlerësimin e epikendrës (km) Estimation error of epicentre
<i>Ver. err</i>	Gabimi vertikal (vertical error)	Gabimi i bërë në vlerësimin e 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 gjithshem (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 sizmologjik (tre karaktere) (international stn code)
<b>SP</b>	Komponentja e regjistrimit (recording component)	Kodimi i komponenteve te regjistrimit ne perputhje e orientimin gjeografik 3D (Z, N ose E) Component code according to recording direction
<b>IPHASW</b>	Faza valore sizmike (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 onset polarity)	Polariteti i vales renese ne statcion, 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 hoxizontale epiqender-stacion Distance from epicenter to the station
<b>DUR</b>	Zgjatshmeria e sinjalit sizmik (signal time duration)	Shpreh zgjatshmerinë e plotë të sinjalit sizmik ne sizmogram Total Signal Duration

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

### TËRMETE TË AFËRTA (NEAR EARTHQUAKE)

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	1	1853	07.73	40.68	19.74	7	ASN	10	0.1	3.1	KURJAN FIER
GAP=143					hor. err=0.68km			ver. err=1KM				

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
VLO	SZ	IPG		1843	13.68	222	0.0	32	36	3.0
VLO	SE	ISG		1843	18.61	222	0.1	32		
TPE	SZ	IPG		1843	15.90	152	-0.0	49	39	3.1
TPE	SE	ISG		1843	23.59	152	0.1	49		
TIR	SZ	IPG		1843	21.21	8	0.1	74		

TIR	SE	ISG	1843	31.00	8	-0.1	74		
KBN	SZ	IPG	1843	23.10	94	0.1	88	39	3.1
KBN	SE	ISG	1843	35.66	94	-0.1	88		
SRN	SZ	IPG	1843	24.35	166	0.1	92	39	3.1
SRN	SE	ISG	1843	36.61	166	0.0	92		
PHP	SZ	IPG	1843	29.54	27	0.2	125		
PHP	SE	ISG	1843	46.25	27	0.1	125		
IGT	SZ	IPN	1843	32.05	158	-0.1	137		
IGT	SE	ISN	1843	50.52	158	0.0	137		
FNA	SZ	IPN	1843	34.76	85	0.0	140		
FNA	SE	ISN	1843	56.11	85	0.0	140		
PUK	SZ	IPN	1843	34.89	4	-0.1	151		
PUK	SE	ISN	1843	57.01	4	0.0	151		
BCI	SZ	IPN	1843	39.09	8	0.0	188		
BCI	SE	ISN	1844	03.74	8	-0.1	188		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	2	0443	37.49	41.25	20.36	7	ASN	6	0.1	2.7	DOREZ
LIBRAZHDE												
GAP=131 hor,err=1km ver,err=2KM												

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
TIR	SZ	IPG		0443	45.32	284	0.1	43	25	2.7
TIR	SE	ISG		0443	51.83	284	-0.1	43		
PHP	SZ	IPG		0443	46.33	7	0.0	48	26	2.8
PHP	SE	ISG		0443	53.39	7	0.1	48		
KBN	SZ	IPG		0443	51.44	153	0.1	78	26	2.8
KBN	SE	ISG		0444	02.84	153	-0.1	78		
PUK	SZ	IPG		0443	54.19	326	0.1	96	27	2.8
PUK	SE	ISG		0444	07.11	326	0.1	96		
FNA	SZ	IPG		0443	57.40	221	0.0	100		
FNA	SE	ISG		0444	08.53	221	-0.1	100		
BCI	SZ	IPN		0444	00.09	349	-0.1	125		
BCI	SE	ISN		0444	19.11	349	0.1	125		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	2	1536	12.40	41.39	20.04	18	asn	3	0.2	2.4	16 KM V-L
TIRANA												
GAP=218 hor,err=2km ver,err=1KM												

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
TIR	SZ	IPG		1536	17.40	253	0.2	16	24	2.3
TIR	SE	ISG		1536	20.60	253	-0.2	16		
PHP	SZ	IPG		1536	21.40	44	0.1	46	26	2.5
PHP	SE	ISG		1536	28.60	44	0.4	46		
PUK	SZ	IPG		1536	25.60	350	0.1	73		

PUK	SE	ISG	1536	36.50	350	0.3	73
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Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	3	0806	17.37	42.44	18.62	3	ASN	4	0.4	3.3	MALI ZI
					hor.err=8km			ver.err=7KM				

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PUK	SZ	IPG		0806	37.94	112	0.3	113	40	3.1
PUK	SE	ISG		0806	53.90	112	0.1	113		
BCI	SZ	IPG		0806	38.74	93	-0.3	119	53	3.3
BCI	SE	ISG		0806	55.54	93	0.1	119		
TIR	SZ	IPN		0806	46.42	139	0.4	159		
TIR	SE	ISN		0807	06.95	139	0.2	159		
PHP	SZ	IPN		0806	46.43	118	0.1	172	65	3.5
PHP	SE	ISN		0807	10.97	118	0.5	172		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	4	0746	56.02	39.20	20.86	6	ASN	4	0.1	3.1	GREQI
					hor.err=5km			ver.err=4KM				

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
IGT	SZ	IPG		0746	06.54	309	0.1	59		
IGT	SE	ISG		0746	14.66	309	0.0	59		
SRN	SZ	IPG		0746	15.73	316	-0.1	106	36	3
SRN	SE	ISG		0746	30.04	316	0.0	106		
TPE	SZ	IPN		0746	22.75	330	0.1	142	41	3.2
TPE	SE	ISN		0746	41.12	330	0.0	142		
FNA	SZ	IPN		0746	28.15	13	0.1	181		
FNA	SE	ISN		0746	50.31	13	0.1	181		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	4	2349	46.09	39.23	20.13	36	ASN	7	0.1	3.2	KORFUZ GREQI
					hor.err=2km			ver.err=1KM				

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
IGT	SZ	IPG		2349	54.74	26	0.1	36		
IGT	SE	ISG		2350	01.49	26	0.1	36		
SRN	SZ	IPG		2349	59.36	251	-0.1	72	39	3.2
SRN	SE	ISG		2350	09.93	251	0.1	72		
TPE	SZ	IPG		2350	06.69	355	0.2	118	39	3.2
TPE	SE	ISG		2350	21.15	355	0.1	118		
KBN	SZ	IPN		2350	12.39	19	0.2	163		
KBN	SE	ISN		2350	36.12	19	0.1	163		
FNA	SZ	IPN		2350	17.53	31	0.2	201		

FNA	SE	ISN	2350	45.36	31	0.3	201				
TIR	SE	ISN	2350	18.74	355	0.2	235	43	3.3		
TIR	SZ	IPN	2350	48.19	355	0.2	235				
PUK	SZ	IPN	2350	30.96	357	0.2	312				

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	4	2354	20.06	42.27	19.66	7	ASN	2	0.1	2.3	GJURAJ-SHKODRES
GAP=294 hor.err=1km ver,err=1KM												

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md	
PUK	SZ	IPG		2354	26.62	140	0.0	34	16	2.2	
PUK	SE	ISG		2354	31.71	140	0.0	34			
BCI	SZ	IPG		2354	30.02	76	-0.1	37	19	2.4	
BCI	SE	ISG		2354	42.35	76	0.0	37			

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	4	2354	54.01	42.28	19.72	7	ASN	2	0.1	2.2	KUJE- SHKODRES
GAP=294 hor,err=1km ver,err=1KM												

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md	
PUK	SZ	IPG		2355	02.36	75	0.0	29	23	2.2	
PUK	SE	ISG		2355	04.16	75	0.1	29			
BCI	SZ	IPG		2355	02.91	154	0.1	32	23	2.2	
BCI	SE	ISG		2355	05.12	154	0.0	32			

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	5	0213	56.12	41.29	20.18	28	ASN	6	0.1	3	BALLGJIN-ELBASAN
GAP=165 hor,err=1km ver,err=5KM												

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md	
TIR	SZ	IPG		0214	02.07	318	0.1	23	28	2.7	
TIR	SE	ISG		0214	06.23	318	0.0	23			
PHP	SE	ISG		0214	06.13	352	0.0	63	30	3	
PHP	SZ	IPG		0214	13.11	352	0.1	63			
PUK	SZ	IPG		0214	07.13	111	-0.1	95	32	3.1	
PUK	SE	ISG		0214	16.49	111	0.0	95			
FNA	SZ	IPG		0214	10.26	182	0.1	120	39	3.2	
FNA	SE	ISG		0214	27.13	182	0.0	120			
SRN	SZ	IPN		0214	17.13	177	0.1	145			
SRN	SE	ISN		0214	38.36	177	0.1	145			
IGT	SZ	IPN		0214	25.54	30	0.0	185			
IGT	SE	ISN		0214	45.13	30	0.1	185			

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter	
2012	11	5	2116	38.45	41.31	19.38	7	ASN	5	0.1	2.8	DURRES	
GAP=165												hor,err=1km	ver,err=5KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
TIR	SZ	IPG		2116	45.34	84	-0.1	45	28	2.7
TIR	SE	ISG		2116	51.75	84	-0.1	45		
PUK	SZ	IPG		2116	54.40	27	0.1	91	28	2.7
PUK	SE	ISG		2117	07.08	27	0.0	91		
PHP	SE	ISG		2116	54.91	64	0.0	97	31	2.9
PHP	SZ	IPG		2117	09.18	64	0.1	97		
TPE	SZ	IPG		2117	00.83	154	0.1	124	31	2.9
TPE	SE	ISG		2117	17.01	154	0.0	124		
BCI	SZ	IPN		2117	01.51	25	0.1	132		

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter  
 2012 11 6 1821 36.61 39.86 20.58 16 ASN 8 0.2 3.0 J-L KAKAVIJE  
 GAP=178 hor,err=1km ver,err=4KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
IGT	SZ	IPG		1821	44.61	211	-0.1	43		
IGT	SE	ISG		1821	51.57	211	-0.1	43		
SRN	SZ	IPG		1821	45.45	272	-0.1	49	29	2.8
SRN	SE	ISG		1821	52.79	272	0.1	49		
TPE	SZ	IPG		1821	48.52	315	0.1	68	33	2.9
TPE	SE	ISG		1821	59.08	315	0.2	68		
VLO	SZ	IPG		1821	55.72	307	-0.1	114		
VLO	SE	ISG		1822	12.35	307	0.1	114		
TIR	SZ	IPN		1822	07.30	340	0.1	175		
TIR	SE	ISN		1822	27.66	340	0.1	175		
PHP	SZ	IPN		1822	10.14	357	0.2	202	40	3.1
PHP	SE	ISN		1822	36.14	357	0.2	202		
PUK	SZ	IPN		1822	14.99	347	0.1	248		
BCT	SZ	IPN		1822	19.84	352	0.2	281		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	6	1826	02.99								
GAP=					hor	err=km						ver err=KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		1826	02.99					
PHP	SE	TSG		1826	09.94					

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

2012 11 6 2054 14.66 41.32 19.40 3 ASN 6 0.2 2.7 DURRES  
GAP=223 hor.err=3km ver,err=2KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
TIR	SZ	IPG		2054	21.92	86	0.2	38	24	2.2
TIR	SE	ISG		2054	27.84	86	0.3	38		
PUK	SZ	IPG		2054	30.73	26	-0.1	88		
PUK	SE	ISG		2054	44.00	26	0.4	88		
PHP	SZ	IPG		2054	31.22	65	0.1	94	28	2.7
PHP	SE	ISG		2054	45.90	65	0.3	94		
TPE	SZ	IPG		2054	37.84	135	0.2	125	28	2.7
TPE	SE	ISG		2054	54.82	135	0.3	125		
BCI	SZ	IPN		2054	36.34	25	0.2	127		
BCI	SE	ISN		2054	56.59	25	-0.4	127		
SRN	SZ	IPN		2054	44.92	162	0.3	168		
SRN	SE	ISN		2055	07.60	162	0.6	162		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter	
2012	11	6	2311	47.78	42.09	20.19	6	ASN	4	0.2	2.9	LAJTHIZE-PUKE	
						hor,err=0km							ver,err=2KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PUK	SZ	IPG		2311	52.78	259	0.4	25	25	2.5
PUK	SE	ISG		2311	56.36	259	0.2	25		
BCI	SZ	IPG		2311	54.03	341	-0.3	32	30	2.9
BCI	SE	ISG		2311	58.77	341	0.6	32		
PHP	SZ	IPG		2311	56.83	154	0.4	50	29	2.9
PHP	SE	ISG		2312	03.42	154	0.3	50		
TIR	SZ	IPG		2312	03.25	198	-0.2	87	29	2.9
TIR	SE	ISG		2312	15.32	198	0.4	87		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter	
2012	11	7	0211	45.66	42.09	20.18	2	ASN	5	0.1	2.7	LAJTHIZE-PUKE	
						hor,err=1km							ver,err=3KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PUK	SZ	IPG		0211	50.28	256	-0.1	25	18	2.1
PUK	SE	ISG		0211	54.07	256	0.1	25		
BCI	SZ	IPG		0211	51.67	343	0.1	31	33	2.8
BCI	SE	ISG		0211	56.72	343	0.1	31		
PHP	SZ	IPG		0211	54.61	154	0.1	50	26	2.6
PHP	SE	ISG		0212	02.60	154	0.1	50		
TIR	SZ	IPG		0212	01.25	198	0.1	87	26	2.6
TIR	SE	ISG		0212	14.32	198	0.1	87		
KBN	SZ	IPN		0212	16.68	162	0.1	171		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2012 11 7 2253 45.19 38.91 21.28 9 ASN 5 0.2 3.4 GREQI  
GAP=254 hor.err=1km ver,err=3KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
LKD2	SZ	IPG		2253	55.46	256	0.1	56		
LKD2	SE	ISG		2254	03.33	256	0.1	56		
IGT	SE	ISG		2254	04.31	390	0.2	107		
IGT	SZ	IPG		2254	17.41	390	0.2	107		
SRN	SZ	IPN		2254	12.28	315	-0.3	154	49	3.3
SRN	SE	ISN		2254	31.54	315	0.2	154		
TPE	SZ	IPN		2254	16.89	325	0.2	188	51	3.4
TPE	SE	ISN		2254	41.77	325	0.2	188		
FNA	SZ	IPN		2254	20.47	20	0.1	207		
FNA	SE	ISN		2254	46.48	20	0.1	207		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2012 11 8 0347 48.51 39.91 20.73 1 ASN 4 0.2 2.8 GREQI-LESKOVIK  
GAP=191 hor,err=1km ver,err=3KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
IGT	SE	ISG		0347	58.72	220	0.1	55		
IGT	SZ	IPG		0348	07.85	220	0.1	55		
SRN	SZ	IPG		0348	00.17	267	-0.1	62	26	2.6
SRN	SE	ISG		0348	08.11	267	-0.1	62		
TPE	SZ	IPG		0348	02.27	305	-0.1	75	31	2.9
TPE	SE	ISG		0348	13.21	305	-0.1	75		
FNA	SZ	IPG		0348	08.78	29	0.1	111		
FNA	SE	ISG		0348	23.56	29	0.2	111		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2012 11 9 2121 37.51 41.84 20.22 7 ASN 2 0.1 2 MOLLE-PESHKOPIS  
GAP=183 hor,err=1km ver,err=1KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		2121	42.15	133	0.1	25	14	2
PHP	SE	ISG		2121	46.52	133	0.1	25		
PUK	SE	ISG		2121	44.01	310	0.1	35	13	2
PUK	SZ	IPG		2121	49.42	310	0.1	35		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2012 11 10 0321 05.52 41.73 19.50 8 ASN 4 0.2 2.9 KUNJE, LEZHE  
GAP=191 hor.err=1km ver,err=3KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PUK	SZ	ISG		0321	14.44	43	0.1	46	28	2.7
PUK	SE	IPG		0321	21.33	43	0.1	46		
TIR	SZ	IPG		0321	15.29	144	-0.1	53	40	3
TIR	SE	ISG		0321	22.63	144	0.2	53		
PHP	SZ	IPG		0321	19.47	94	0.1	78	27	2.6
PHP	SE	ISG		0321	30.28	94	-0.1	78		
BCI	SZ	IPG		0321	20.43	33	-0.1	84	40	3
BCI	SE	ISG		0321	31.19	33	-0.1	84		

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter  
2012 11 10 1325 02.52 42.11 19.07 7 ASN 3 0.2 2.8 DETI ADRIATIK  
GAP=318 hor,err=1km ver,err=4KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PUK	SZ	ISG		1325	14.93	95	0.1	68	27	2.6
PUK	SE	IPG		1325	24.36	95	0.0	68		
BCI	SZ	IPG		1325	18.02	70	0.1	86	27	2.6
BCI	SE	ISG		1325	29.46	70	0.1	86		
PHP	SZ	IPG		1325	24.16	112	0.1	122	35	3
PHP	SE	ISG		1325	40.66	112	0.1	122		

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter  
2012 11 10 2130 06.67 37.85 21.83 33 ASN 5 0.4 4 GREQI  
GAP=328 hor,err=4km ver,err=13KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
IGT	SZ	ISN		2130	31.49	305	0.2	155		
IGT	SE	IPN		2130	56.38	305	0.2	155		
SRN	SZ	IPN		2130	37.02	309	-0.3	201	68	4
SRN	SE	ISN		2131	00.35	309	0.3	201		
KBN	SZ	IPN		2130	45.32	337	0.3	225	69	4
KBN	SE	ISN		2131	06.12	337	-0.2	225		
TPE	SZ	IPN		2130	48.16	319	-0.3	230	69	4
TPE	SE	ISN		2131	09.69	319	0.4	230		
PUK	SZ	IPN		2131	04.31	337	-0.2	400		
PUK	SE	ISN		2131	46.96	337	0.3	400		

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter  
2012 11 11 0045 59.71 42.09 20.22 7 ASN 3 0.1 2.4 SHENMERI-KUKES  
GAP=168 hor,err=1km ver,err=1KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PUK	SZ	ISG		0046	04.28	259	0.1	24	17	2.2
PUK	SE	IPG		0046	08.16	259	0.0	24		
BCI	SZ	IPG		0046	05.11	345	0.1	32	24	2.5
BCI	SE	ISG		0046	10.66	345	0.0	32		
PHP	SZ	IPG		0046	08.81	153	0.1	50	24	2.5
PHP	SE	ISG		0046	15.12	153	-0.1	50		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	11	0534	56.11	42.09	20.19	7	ASN	3	0.1	2.4	SHENMERI-KUKES
					hor.err=1km		ver.err=1KM					
GAP=171												

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PUK	SZ	ISG		0534	59.94	258	-0.1	25	18	2.3
PUK	SE	IPG		0535	06.45	258	-0.1	25		
BCI	SZ	IPG		0535	01.44	356	0.1	33	24	2.5
BCI	SE	ISG		0535	07.56	356	0.0	33		
PHP	SZ	IPG		0535	04.19	154	-0.1	51	19	2.3
PHP	SE	ISG		0535	13.25	154	0.0	51		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	11	0920	37.73	40.73	19.63	19	ASN	10	0.1	3.3	VERBAS-FIER
					hor.err=0.29km		ver.err=0.56KM					
GAP=134												

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
VLO	SZ	IPG		0920	56.43	201	0.0	31		
VLO	SE	ISG		0921	01.36	201	0.1	31		
TPE	SZ	IPG		0921	00.71	146	0.0	58	32	3
TPE	SE	ISG		0921	08.86	146	0.0	58		
TIR	SZ	IPG		0921	02.70	16	0.0	71		
TIR	SE	ISG		0921	12.49	16	0.1	71		
KBN	SZ	IPG		0921	07.18	96	0.0	98	40	3.2
KBN	SE	ISG		0921	20.14	96	-0.1	98		
SRN	SZ	IPG		0921	07.30	161	0.0	100	38	3.1
SRN	SE	ISG		0921	20.46	161	0.0	100		
SCTE	SZ	IPG		0921	10.89	234	0.1	122		
SCTE	SE	ISG		0921	26.12	234	0.1	122		
PHP	SZ	IPG		0921	11.48	32	0.0	125	48	3.4
PHP	SE	ISG		0921	27.69	32	0.0	125		
IGT	SZ	IPN		0921	14.32	155	-0.1	146		
IGT	SE	ISN		0921	33.37	155	0.0	146		
PUK	SZ	IPN		0921	14.84	8	0.1	147	48	3.4
PUK	SE	ISN		0921	33.65	8	0.0	147		
FNA	SZ	IPN		0921	15.06	87	0.0	148		
FNA	SE	ISN		0921	33.39	87	0.1	148		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2012	11	11	0925	04.35	38.92	21.89	48	ASN	5	0.8	3.6	GREQI	
					hor.err=3km			ver.err=28KM					

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
IGT	SZ	ISN		0925	38.49	325	0.1	151		
IGT	SE	IPN		0925	47.68	325	0.1	151		
SRN	SZ	IPN		0925	38.96	312	0.1	193	48	3.4
SRN	SE	ISN		0926	56.08	312	0.2	193		
FNA	SZ	IPN		0925	39.92	322	-0.2	209		
FNA	SE	ISN		0926	04.15	322	0.2	209		
KBN	SZ	IPN		0925	39.06	346	0.2	209	49	3.4
KBN	SE	ISN		0926	05.69	346	-0.3	209		
TPE	SZ	IPN		0925	42.56	304	-0.3	220	68	4
TPE	SE	ISN		0926	11.25	304	0.3	220		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2012	11	11	2240	03.16	39.17	21.70	15	ASN	5	0.7	3.9	GREQI	
					hor.err=4km			ver.err=23KM					

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
LKD2	SZ	ISN		2241	16.49	248	-0.1	98		
LKD2	SE	IPN		2241	26.92	248	-0.1	98		
SRN	SZ	IPN		2241	28.26	301	-0.1	168	68	4
SRN	SE	ISN		2241	47.36	301	-0.1	168		
KBN	SZ	IPN		2241	31.47	335	0.3	183	63	3.9
KBN	SE	ISN		2241	54.36	335	0.3	183		
FNA	SZ	IPN		2241	32.46	352	0.2	185		
FNA	SE	ISN		2241	55.36	352	-0.2	185		
TPE	SZ	IPN		2241	33.46	313	0.3	194	65	3.9
TPE	SE	ISN		2241	59.86	313	-0.2	194		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2012	11	12	1529	27.90	41.58	19.78	33	ASN	4	0.2	2.9	MAMURRAS	
					hor.err=0km			ver.err=1KM					

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
TIR	SZ	IPG		1529	35.45	155	0.2	29	26	2.7
TIR	SE	ISG		1529	41.28	155	0.1	29		
PUK	SZ	IPG		1529	38.40	16	-0.1	52	29	2.9
PUK	SE	ISG		1529	46.46	16	0.1	52		
PHP	SZ	IPG		1529	39.78	79	-0.1	61	29	2.9
PHP	SE	ISG		1529	48.61	79	-0.1	61		

BCI	SZ	IPG	1529	44.36	18	-0.1	91	36	3.2
BCI	SE	ISG	1529	57.36	18	-0.1	91		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	12	2318	40.26	42.59	18.96	10	ASN	9	0.2	4.2	MALI I ZI
GAP=221 hor,err=1km ver,err=1KM												

SSTAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
BCI	SZ	IPG	2318	57.18		104	0.1	96	141	4.2
BCI	SE	ISG	2319	09.45		104	0.3	96		
PUK	SZ	IPG	2318	57.99		127	0.6	99	154	4.2
PUK	SE	ISG	2319	11.12		127	0.4	99		
TIR	SZ	IPN	2319	07.87		150	0.3	158	102	4.0
TIR	SE	ISN	2319	27.58		150	0.2	158		
PHP	SZ	IPN	2319	07.88		128	-0.4	160	105	4.0
PHP	SE	ISN	2319	29.22		128	0.3	160		
VLO	SZ	IPN	2319	19.54		168	0.1	240		
KBN	SZ	IPN	2319	23.34		144	-0.5	267	177	4.5
KBN	SE	ISN	2319	56.00		144	0.2	267		
TPE	SZ	IPN	2319	23.54		160	0.3	270		
SRN	SZ	IPN	2319	27.50		163	0.4	314		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	12	2328	51.50	40.70	19.74	12	ASN	8	0.4	3.6	KURJAN-FIER
GAP=141 hor,err=1km ver,err=1KM												

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
VLO	SZ	IPG	2328	57.51		213	0.0	30	52	3.2
VLO	SE	ISG	2329	03.14		213	0.0	30		
TPE	SZ	IPG	2329	00.64		148	-0.1	52	62	3.4
TPE	SE	ISG	2329	08.60		148	0.0	52		
TIR	SZ	IPG	2329	04.78		11	0.0	73	92	3.7
TIR	SE	ISG	2329	14.77		11	0.0	73		
KBN	SZ	IPG	2329	07.29		95	-0.1	93	70	3.5
KBN	SE	ISG	2329	21.59		95	0.0	93		
SRN	SZ	IPG	2329	09.50		163	0.0	95	70	3.5
SRN	SE	ISG	2329	21.87		163	-0.1	95		
PHP	SZ	IPN	2329	14.42		29	0.0	125	77	3.8
PHP	SE	ISN	2329	32.30		29	0.0	125		
PUK	SZ	IPN	2329	17.92		6	-0.1	149	67	3.6
PUK	SE	ISN	2329	38.65		6	0.1	149		
BCI	SZ	IPN	2329	23.26		9	0.0	187	92	3.8
BCI	SE	ISN	2329	48.11		9	0.0	187		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2012 11 12 2350 28.21 42.55 19.01 12 ASN 4 0.3 3.0 MALI I ZI  
GAP=311 hor,err=7km ver,err=9KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
BCI	SZ	IPG		2350	43.91	103	0.1	88	40	3.0
BCI	SE	ISG		2350	57.02	103	-0.1	88		
PUK	SZ	IPG		2350	44.88	128	0.2	91	31	2.8
PUK	SE	ISG		2350	57.56	128	0.2	91		
TIR	SZ	IPN		2350	55.43	152	0.3	151	34	3.0
TIR	SE	ISN		2351	15.72	152	-0.3	151		
PHP	SZ	IPN		2350	56.14	129	0.3	152	38	3.1
PHP	SE	ISN		2351	16.16	129	0.2	152		

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter  
2012 11 12 0706 43.98 39.52 16.91 7 ASN 4 0.8 4.4 SICILI ITALI  
GAP=320 hor,err=11km ver,err=22KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
SRN	SZ	ISN		0707	24.11	80	0.8	267		
SRN	SE	IPN		0708	01.12	80	0.9	267		
TIR	SZ	IPN		0707	36.18	50	0.8	322	148	4.4
TIR	SE	ISN		0708	18.25	50	0.7	322		
PUK	SZ	IPN		0707	45.29	40	-0.6	376		
PUK	SE	ISN		0708	21.32	40	-0.5	376		
PHP	SZ	IPN		0707	48.69	50	-0.4	383	147	4.4
PHP	SE	ISN		0708	22.12	50	-0.8	383		

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter  
2012 11 13 2324 07.83 42.67 18.96 25 ASN 6 0.3 4.5 MALI I ZI  
GAP=306 hor,err=3km ver,err=5KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
BCI	SZ	IPG		2324	25.18	110	0.1	96	128	4.3
BCI	SE	ISG		2324	36.81	110	0.1	96		
PUK	SZ	IPG		2324	25.80	132	0.2	104	181	4.6
PUK	SE	ISG		2324	39.12	132	0.2	104		
PHP	SZ	IPN		2324	35.67	131	0.3	166	155	4.5
PHP	SE	ISN		2324	57.14	131	-0.2	166		
TIR	SZ	IPN		2324	39.97	152	0.2	167	153	4.3
TIR	SE	ISN		2324	59.69	152	-0.3	167		
TPE	SZ	IPN		2324	50.16	161	0.3	277		
TPE	SE	ISN		2325	22.13	161	-0.3	277		
SRN	SZ	IPN		2324	54.83	164	-0.3	321		
SRN	SE	ISN		2325	27.18	164	0.3	321		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	16	2243	53.77	41.57	20.76	3	ASN	4	0.2	2.7	MAQEDONI
GAP=306					hor.err=3km			ver.err=5KM				
STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md		
PHP	SZ	IPG		2244	00.15	296	0.1	30	26	2.6		
PHP	SE	ISG		2244	03.91	296	-0.1	30				
TIR	SZ	IPG		2244	07.92	252	-0.0	80	29	2.8		
TIR	SE	ISG		2244	20.64	252	-0.1	80				
PUK	SZ	IPG		2244	10.25	307	0.1	90	29	2.8		
PUK	SE	ISG		2244	23.12	307	0.0	90				
FNA	SZ	IPG		2244	12.35	149	0.1	102				
FNA	SE	ISG		2244	26.15	149	-0.1	102				

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	18	0937	18.97	42.58	19.15	13	ASN	3	0.2	3.1	MALI I ZI
GAP=333				hor.err=2km				ver.err=7KM				
STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md		
BCI	SZ	IPG		0937	33.58	107	-0.2	78				
BCI	SE	ISG		0937	43.58	107	0.2	78				
PUK	SZ	IPG		0937	32.00	134	-0.3	85	35	3.0		
PUK	SE	ISG		0937	45.81	134	0.5	85				
PHP	SZ	IPN		0937	43.74	132	0.2	140	30	3.0		
PHP	SE	ISN		0938	03.27	132	-0.3	140				

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	18	1511	14.23	42.79	19.21	9	ASN	3	0.2	2.5	MALI I ZI
GAP=338				hor.err=1km				ver.err=2KM				
STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md		
BCI	SZ	IPG		1511	29.46	124	0.2	85	26	2.6		
BCI	SE	ISG		1511	40.91	124	0.2	85				
PUK	SZ	IPG		1511	32.21	146	0.2	100	23	2.5		
PUK	SE	ISG		1511	43.73	146	-0.1	100				
PHP	SZ	IPN		1511	41.96	140	-0.2	160				
PHP	SE	ISN		1512	02.76	140	-0.1	160				

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	18	2101	37.70	42.19	20.08	8	ASN	5	0.3	2.8	IBALLE, PUKE
GAP=165					hor.err=1km					ver.err=12KM		

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
BCI	SZ	IPG		2101	41.81	357	0.1	20	28	2.7
BCI	SE	ISG		2101	45.25	357	0.1	20		
PUK	SZ	IPG		2101	42.22	224	0.1	22	29	2.7
PUK	SE	ISG		2101	46.04	224	-0.1	22		
PHP	SZ	IPG		2101	47.31	151	0.1	63	40	3.1
PHP	SE	ISG		2101	57.66	151	0.1	63		
TIR	SZ	IPG		2101	54.26	191	-0.1	95	32	2.9
TIR	SE	ISG		2102	07.65	191	-0.1	95		
KBN	SZ	IPN		2102	09.25	161	-0.2	183		
KBN	SE	ISN		2102	31.70	161	0.1	183		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	19	0413	20.04	41.76	20.32	21	ASN	4	0.4	2.3	SHUMAT, PESHKOPI
					hor.err=2km							ver,err=6KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		0413	22.95	133	0.1	13	19	2.2
PHP	SE	ISG		0413	24.96	133	-0.2	13		
PUK	SZ	IPG		0413	28.78	311	-0.1	47	24	2.4
PUK	SE	ISG		0413	35.78	311	-0.2	47		
TIR	SZ	IPG		0413	32.06	220	0.2	60		
TIR	SE	ISG		0413	43.46	220	0.1	60		
BCI	SZ	IPG		0413	32.65	343	0.1	69		
BCI	SE	ISG		0413	44.08	343	0.1	69		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	19	1741	47.47	41.86	19.31	8	ASN	3	0.2	3.2	VELIPOJE
					hor,err=1km							ver,err=12KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PUK	SZ	IPG		1741	56.70	67	0.1	51	43	3.1
PUK	SE	ISG		1742	03.74	67	0.1	51		
BCI	SZ	IPG		1742	02.16	48	0.1	83	39	3
BCI	SE	ISG		1742	13.37	48	0.1	83		
PHP	SZ	IPG		1742	04.12	101	-0.2	95	49	3.3
PHP	SE	ISG		1742	17.14	101	-0.1	95		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	20	0211	52.28	41.71	20.27	6	ASN	4	0.1	2.5	KISHAVE-PESHKOPI
					hor,err=1km							ver,err=2KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		0211	55.37	103	-0.1	14	24	2.5

PHP	SE	ISG	0211	57.66	103	-0.1	14		
PUK	SZ	IPG	0212	01.35	320	0.0	48	24	2.5
PUK	SE	ISG	0212	07.77	320	-0.1	48		
BCI	SZ	IPG	0212	06.21	347	-0.1	74		
BCI	SE	ISG	0212	15.88	347	0.0	74		
FNA	SZ	IPN	0212	14.64	137	0.0	139		
FNA	SE	ISN	0212	35.38	137	-0.1	139		

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		1558	47.72					
PHP	SE	TSG		1558	49.31					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	21	2053	14.36								PESHKOPI
GAP=					hor	err=km						ver err=KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		2053	14.36					
PHP	SE	ISG		2053	17.43					

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter  
 2012 11 22 0447 28.40 41.88 20.21 12 ASN 4 0.1 2.1 KLOS-Burrel  
 GAP=15.3 hor err=4km ver err=1KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		0447	33.99	140	0.1	29	12	2
PHP	SE	ISG		0447	38.64	140	-0.1	29		
PUK	SZ	IPG		0447	34.45	303	0.1	32	13	2.1
PUK	SE	ISG		0447	39.38	303	-0.1	32		
BCI	SZ	IPG		0447	38.86	347	0.2	54		
BCI	SE	ISG		0447	47.36	347	0.1	54		
TIR	SZ	IPG		0447	40.31	207	0.1	66		
TIR	SE	ISG		0447	49.99	207	0.1	66		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	22	2224	34.87	41.28	20.01	15	ASN	8	0.2	2.9	SELBE-TIRANE
GAP=2.64					hor,err=3km					ver,err=6KM		

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
TIR	SZ	IPG		2224	38.25	302	0.1	14	28	2.7
TIR	SE	ISG		2224	41.46	302	0.1	14		
PHP	SZ	IPG		2224	45.46	38	0.1	57	32	3
PHP	SE	ISG		2224	53.52	38	0.1	57		
PUK	SZ	IPG		2224	50.25	354	-0.1	85	32	3
PUK	SE	ISG		2225	00.12	354	-0.1	85		
KBN	SZ	IPG		2224	52.19	137	-0.1	98		
KBN	SE	ISG		2225	04.31	137	0.0	98		
TPE	SZ	IPG		2224	53.12	181	-0.1	109	33	3
TPE	SE	ISG		2225	07.22	181	-0.1	109		
BCI	SZ	IPG		2224	55.96	2	0.0	120	35	3.1
BCI	SE	ISG		2225	11.89	2	0.1	120		
FNA	SZ	IPN		2224	57.89	115	0.0	128		
FNA	SE	ISN		2225	15.08	115	0.1	128		
SRN	SZ	IPN		2225	01.01	101	-0.1	155		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	23	0037	47.12								TEPELENE
GAP=					hor.err=km							ver,err=KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
TPE	SZ	IPG		0037	47.12					
TPE	SE	ISG		0037	56.22					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	23	0412	27.54	41.76	20.25	6	ASN	3	0.2	2.4	LIDHEN-PESHKOPI
GAP=197					hor,err=2km							ver,err=11KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		0412	26.26	119	-0.1	17	22	2.4
PHP	SE	ISG		0412	33.87	119	-0.1	17		
PUK	SZ	IPG		0412	35.44	316	-0.1	43	22	2.4
PUK	SE	ISG		0412	41.66	316	-0.1	43		
BCI	SZ	IPG		0412	40.56	342	0.1	67		
BCI	SE	ISG		0412	49.06	342	0.1	67		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	24	2017	37.86	41.97	20.14	7	ASN	3	0.1	2.4	MARESH-PUKE
GAP=151					hor,err=1km							ver,err=13KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PUK	SZ	IPG		2017	42.29	292	0.1	22	22	2.4
PUK	SE	ISG		2017	45.55	292	0.0	22		

PHP	SZ	IPG	2017	45.10	141	0.1	40	23	2.5
PHP	SE	ISG	2017	51.12	141	0.0	40		
BCI	SZ	IPG	2017	46.36	153	0.1	44	22	2.4
BCI	SE	ISG	2017	52.24	153	0.1	44		

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter  
 2012 11 24 2111 45.99 39.71 20.51 7 ASN 5 0.2 2.9 KONISPOL  
 GAP=207 hor.err=1km ver,err=2KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
IGT	SZ	IPG		2111	50.69	219	0.1	25		
IGT	SE	ISG		2111	54.70	219	0.2	25		
SRN	SZ	IPG		2111	54.52	294	-0.1	47	33	3
SRN	SE	ISG		2112	01.60	294	0.1	47		
TPE	SZ	IPG		2112	00.59	237	0.2	78	30	2.9
TPE	SE	ISG		2112	10.40	237	0.1	78		
KBN	SZ	IPG		2112	04.11	12	0.2	104	30	2.9
KBN	SE	ISG		2112	18.08	12	-0.1	104		
PHP	SZ	IPN		2112	22.11	359	-0.1	219		

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter  
 2012 11 25 2005 56.70 40.86 21.06 6 ASN 3 0.1 2.5 LIQENI-RESPA  
 GAP=137 hor. err=0km ver. err=10KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
FNA	SZ	IPG		2006	02.13	108	0.2	28		
FNA	SE	ISG		2006	06.40	108	0.1	28		
KBN	SZ	IPG		2006	03.36	222	0.1	35	19	2.3
KBN	SE	ISG		2006	08.52	222	0.3	35		
PHP	SZ	IPG		2006	15.51	331	-0.1	105	24	2.6
PHP	SE	ISG		2006	29.33	331	0.4	105		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter	
2012	11	25	2018	43.10	40.89	21.06	3	ASN	7	0.4	3.7	LIQENI-PRESPES	
GAP=143												hor,err=1km	ver,err=3KM

PHP	SE	ISG	2019	16.39	330	0.2	101
TPE	SZ	IPG	2019	02.43	234	0.2	110
3.7							86
TPE	SE	ISG	2019	18.62	234	-0.2	110
TIR	SZ	IPG	2019	02.89	298	0.1	111
3.5							62
TIR	SE	ISG	2019	19.39	298	0.1	111
SRN	SZ	IPN	2019	08.83	219	0.1	143
3.7							80
SRN	SE	ISN	2019	29.15	219	-0.1	143
PUK	SZ	IPN	2019	10.99	324	0.1	160
3.7							73
PUK	SE	ISN	2019	33.45	324	-0.2	160
BCI	SZ	IPN	2019	14.14	334	0.1	183
BCI	SE	ISN	2019	37.86	334	0.1	183

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter	
2012	11	25	2235	11.47	41.90	19.27	6	ASN	3	0.4	2.5	ULQIN	
				hor.err=2km							ver.err=10KM		

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PUK	SZ	IPG		2235	21.23	73	0.1	53	22	2.5
PUK	SE	ISG		2235	28.32	73	0.1	53		
BCI	SZ	IPG		2235	26.01	52	-0.1	83	33	2.5
BCI	SE	ISG		2235	38.08	52	0.2	83		
PHP	SZ	IPG		2235	29.71	103	0.1	100	23	2.5
PHP	SE	ISG		2235	42.73	103	0.2	100		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter	
2012	11	25	2315	19.94	40.85	21.06	7	ASN	3	0.3	2.3	LIQENI-PRESPA	
				hor.err=1km							ver.err=13KM		

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
FNA	SZ	IPG		2315	25.24	105	-0.1	27		
FNA	SE	ISG		2315	29.52	105	0.1	27		
KBN	SZ	IPG		2315	26.36	224	-0.1	34	18	2.3
KBN	SE	ISG		2315	31.63	224	0.2	34		
PHP	SZ	IPG		2315	38.62	331	0.2	106	18	2.3
PHP	SE	ISG		2315	53.29	331	0.2	106		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter	
2012	11	25	2321	20.79	40.86	21.06	7	ASN	3	0.2	2.4	LIQENI-PRESPA	
				hor.err=0km							ver.err=11KM		

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
FNA	SZ	IPG		2321	26.28	108	-0.1	28		
FNA	SE	ISG		2321	30.58	108	0.1	28		
KBN	SZ	IPG		2321	27.30	222	0.1	35	20	2.4
KBN	SE	ISG		2321	32.70	222	0.1	35		
PHP	SZ	IPG		2321	40.18	331	0.1	105		
PHP	SE	ISG		2321	53.53	331	0.2	105		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	25	2348	41.67	40.92	21.05	3	ASN	8	0.4	3.5	LIQENI-PRESPA
					hor,err=0km							GAP=146 ver,err=2KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
FNA	SZ	IPG		2348	48.60	118	0.1	32		
FNA	SE	ISG		2348	52.60	118	-0.3	32		
KBN	SZ	IPG		2348	49.43	215	0.1	38	52	3.3
KBN	SE	ISG		2348	54.83	215	0.2	38		
PHP	SZ	IPG		2348	58.96	330	0.2	99	76	3.6
PHP	SE	ISG		2349	13.41	330	-0.1	99		
TIR	SZ	IPG		2349	01.32	296	0.1	110	72	3.6
TIR	SE	ISG		2349	17.54	296	-0.1	110		
TPE	SZ	IPG		2349	00.94	233	0.1	112		
TPE	SE	ISG		2349	17.53	233	0.2	112		
VLO	SZ	IPN		2349	07.66	250	0.1	140	59	3.5
VLO	SE	ISN		2349	27.65	250	0.1	140		
SRN	SZ	IPN		2349	07.32	218	0.2	145	67	3.5
SRN	SE	ISN		2349	27.60	218	-0.2	145		
PUK	SZ	IPN		2349	09.16	323	0.2	157	70	3.5
PUK	SE	ISN		2349	30.33	323	0.1	157		
BCI	SZ	IPN		2349	12.47	334	0.2	184		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	26	0013	04.53	40.88	21.05	7	ASN	2	0.2	1.8	LIQENI-PRESPA
					hor,err=1km							GAP=256 ver,err=2KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
FNA	SZ	IPG		0013	10.30	112	0.1	30		
FNA	SE	ISG		0013	14.58	112	0.1	30		
KBN	SZ	IPG		0013	11.50	219	0.1	37	10	1.8
KBN	SE	ISG		0013	16.58	219	0.1	37		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	26	0016	16.73	40.56	21.06	7	ASN	3	0.4	2.4	LIQENI-PRESPA
					hor,err=1km							GAP=257 ver,err=2KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
FNA	SZ	IPG		0016	22.25	109	0.1	28		
FNA	SE	ISG		0016	26.48	109	0.1	28		
KBN	SZ	IPG		0016	23.42	221	0.4	35	16	2.4
KBN	SE	ISG		0016	28.66	221	0.2	35		
PHP	SZ	IPG		0016	35.79	331	0.2	104	20	2.5
PHP	SE	ISG		0016	49.33	331	0.2	104		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	26	0055	47.05	40.90	21.05	7	ASN	2	0.4	1.9	LIQENI-PRESPA

GAP=260 hor.err=1km ver.err=2KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
FNA	SZ	IPG		0055	53.06	116	0.2	31		
FNA	SE	ISG		0055	57.45	116	0.3	31		
KBN	SZ	IPG		0055	54.24	216	0.4	38	11	1.9
KBN	SE	ISG		0055	59.28	216	0.3	38		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	26	0123	36.86	40.86	21.06	7	ASN	3	0.2	2.5	LIQENI-PRESPA

GAP=137 hor.err=0km ver.err=2KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
FNA	SZ	IPG		0123	42.22	108	0.1	28		
FNA	SE	ISG		0123	46.55	108	0.1	28		
KBN	SZ	IPG		0123	43.13	222	0.2	35	20	2.4
KBN	SE	ISG		0123	48.65	222	-0.3	35		
PHP	SZ	IPG		0123	55.75	331	0.4	105	20	2.5
PHP	SE	ISG		0124	09.46	331	0.2	105		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	26	0144	36.88	40.89	21.05	7	ASN	2	0.3	2.2	LIQENI-PRESPA

GAP=256 hor.err=2km ver.err=2KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
FNA	SZ	IPG		0144	42.87	113	0.2	30		
FNA	SE	ISG		0144	47.11	113	0.1	30		
KBN	SZ	IPG		0144	43.70	213	-0.3	37	15	2.2
KBN	SE	ISG		0144	49.24	213	0.1	37		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2012 11 26 0203 14.66 40.89 21.05 7 ASN 2 0.2 1.7 LIQENI-PRESPA  
GAP=256 hor,err=0km ver,err=2KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
FNA	SZ	IPG		0203	20.60	113	0.3	30		
FNA	SE	ISG		0203	24.93	113	0.1	30		
KBN	SZ	IPG		0203	21.77	213	-0.2	37	9	1.7
KBN	SE	ISG		0203	27.23	213	0.1	37		

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter  
2012 11 26 0216 57.88 40.89 21.05 7 ASN 2 0.2 1.6 LIQENI-PRESPA  
GAP=256 hor,err=0km ver,err=2KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
FNA	SZ	IPG		0217	03.79	113	0.2	30		
FNA	SE	ISG		0217	08.39	113	0.3	30		
KBN	SZ	IPG		0217	04.99	213	-0.2	37	8	1.6
KBN	SE	ISG		0217	10.46	213	0.3	37		

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter  
2012 11 26 0220 12.35 40.89 21.05 7 ASN 2 0.2 1.5 LIQENI-PRESPA  
GAP=258 hor,err=0km ver,err=1KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
FNA	SZ	IPG		0220	18.26	113	0.2	30		
FNA	SE	ISG		0220	22.51	113	0.3	30		
KBN	SZ	IPG		0220	19.44	213	-0.2	37	7	1.5
KBN	SE	ISG		0220	24.94	213	0.3	37		

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter  
2012 11 26 0258 28.26 40.88 21.05 7 ASN 2 0.2 1.6 LIQENI-PRESPA  
GAP=258 hor,err=0km ver,err=1KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
FNA	SZ	IPG		0258	34.30	113	0.2	30		
FNA	SE	ISG		0258	38.21	113	0.3	30		
KBN	SZ	IPG		0258	35.16	213	-0.2	37	8	1.6
KBN	SE	ISG		0258	40.43	213	0.3	37		

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter  
2012 11 26 0305 33.53 40.88 21.06 7 ASN 2 0.2 1.6 LIQENI-PRESPA  
GAP=258 hor,err=0km ver,err=1KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
FNA	SZ	IPG		0305	39.25	112	0.2	29		
FNA	SE	ISG		0305	43.48	112	0.3	29		
KBN	SZ	IPG		0305	40.45	213	-0.2	37	8	1.6
KBN	SE	ISG		0305	45.68	213	0.3	37		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	26	0637	08.10	40.33	19.56	7	ASN	8	0.5	3.1	DUKAT-VLORE
					hor.err=0km					ver,err=1KM		

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
VLO	SZ	IPG		0637	12.26	353	0.2	19	28	2.7
VLO	SE	ISG		0637	15.39	353	0.3	19		
TPE	SZ	IPG		0637	15.14	89	0.4	41	35	2.9
TPE	SE	ISG		0637	22.61	89	0.2	41		
SRN	SZ	IPG		0637	20.09	138	-0.2	61	42	3.1
SRN	SE	ISG		0637	28.20	138	0.1	61		
KBN	SZ	IPG		0637	27.79	70	-0.5	113	39	3.1
KBN	SE	ISG		0637	43.79	70	0.3	113		
TIR	SZ	IPG		0637	29.08	13	0.4	120	49	3.2
TIR	SE	ISG		0637	45.01	13	0.3	120		
PHP	SZ	IPN		0637	35.58	26	0.2	172	58	3.4
PHP	SE	ISN		0637	59.68	26	-0.4	172		
PUK	SZ	IPN		0637	40.66	8	0.6	196		
PUK	SE	ISN		0638	07.42	8	0.1	196		
BCI	SZ	IPN		0637	48.15	10	0.3	234		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	26	1736	33.02	36.58	22.44	10	ASN	5	1.2	4.7	DETI-MESDHE
					hor,err=11km					ver,err=12KM		

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
IGT	SZ	IPN		1737	24.09	322	0.6	375		
IGT	SE	ISN		1739	29.07	322	0.7	375		
SRN	SZ	IPN		1737	26.39	312	-0.4	423	186	4.7
SRN	SE	ISN		1739	33.63	312	0.5	423		
TPE	SZ	IPN		1737	28.08	334	0.5	463	181	4.6
TPE	SE	ISN		1739	38.59	334	0.4	463		
KBN	SZ	IPN		1737	28.69	351	0.3	470	188	4.7
KBN	SE	ISN		1739	41.31	351	-0.9	470		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	26	1922	25.24	40.93	21.04	10	ASN	4	0.2	3.1	LIQENI-PRESPES

GAP=151

hor. err=1km

ver. err=6KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
FNA	SZ	IPG		1922	31.82	119	-0.1	32		
FNA	SE	ISG		1922	36.15	119	-0.1	32		
KBN	SZ	IPG		1922	32.76	214	0.1	40	34	2.9
KBN	SE	ISG		1922	38.60	214	0.1	40		
PHP	SZ	IPG		1922	42.75	330	0.1	98	48	3.3
PHP	SE	ISG		1922	58.49	330	0.1	98		
PUK	SZ	IPN		1922	45.36	323	0.1	156	48	3.3
PUK	SE	ISN		1923	12.78	323	-0.1	156		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	26	2153	15.01	41.66	20.12	7	ASN	3	0.1	2.1	BURREL
GAP=128					hor. err=1km			ver. err=3KM				

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		2153	17.70	84	0.1	26	9	1.7
PHP	SE	ISG		2153	24.64	84	0.0	26		
TIR	SZ	IPG		2153	20.91	212	0.1	41	10	1.7
TIR	SE	ISG		2153	28.67	212	0.0	41		
PUK	SZ	IPG		2153	23.20	336	0.1	46	24	2.5
PUK	SE	ISG		2153	30.42	336	0.1	46		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	26	2154	57.65	41.65	20.12	7	ASN	3	0.1	2.4	BURREL
GAP=131					hor. err=1km			ver. err=2KM				

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		2155	02.71	83	0.1	27	14	2.1
PHP	SE	ISG		2155	07.12	83	0.0	27		
TIR	SZ	IPG		2155	04.74	213	0.1	40	28	2.7
TIR	SE	ISG		2155	11.17	213	0.0	40		
PUK	SZ	IPG		2155	05.86	337	-0.1	47	18	2.3
PUK	SE	ISG		2155	13.35	337	0.0	47		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	26	2205	15.12	41.66	20.11	21	ASN	9	0.1	4	BURREL
GAP=131					hor. err=1km			ver. err=2KM				

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		2205	21.25	84	0.0	27	88	3.7
PHP	SE	ISG		2205	25.66	84	0.1	27		
TIR	SZ	IPG		2205	22.87	212	0.1	40	134	4.1

TIR	SE	ISG	2205	29.70	212	0.1	40		
PUK	SZ	IPG	2205	23.92	237	-0.1	46	134	4.1
PUK	SE	ISG	2205	31.28	237	0.0	46		
BCI	SZ	IPG	2205	28.78	358	0.1	78	141	4.2
BCI	SE	ISG	2205	39.79	358	0.0	78		
KBN	SZ	IPG	2205	37.02	153	0.0	128	134	4.1
KBN	SE	ISG	2205	52.11	153	0.0	128		
FNA	SZ	IPN	2205	39.91	132	-0.1	144	135	4.1
FNA	SE	ISN	2205	53.27	132	0.0	144		
TPE	SZ	IPN	2205	40.33	184	0.1	152	167	4.4
TPE	SE	ISN	2206	00.01	184	0.0	152		
SCTE	SZ	IPN	2205	54.82	219	0.1	224		
SCTE	SE	ISN	2206	18.38	219	-0.1	224		
IGT	SZ	IPN	2206	56.69	175	-0.1	237		
IGT	SE	ISN	2206	21.14	175	-0.1	237		

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		2206	35.34					
PHP	SE	ISG		2206	44.91					

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		2210	32.04					
PHP	SE	ISG		2210	36.37					

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter  
 2012 11 26 2214 07.10 PHP  
 GAP= hor.err=km ver,err=KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		2214	07.10					
PHP	SE	ISG		2214	10.86					

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

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		2215	13.28					
PHP	SE	ISG		2215	17.51					

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

2012 11 26 2217 16.79 PHP

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

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		2217	16.79					
PHP	SE	ISG		2217	21.50					

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

2012 11 26 2219 34.71 PHP

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

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		2219	34.71					
PHP	SE	ISG		2219	36.76					

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

2012 11 26 2221 15.31 PHP

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

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		2221	15.31					
PHP	SE	ISG		2221	18.72					

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

2012 11 26 2226 00.01 PHP

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

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		2226	00.01					
PHP	SE	ISG		2226	03.43					

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

2012 11 26 2226 37.11 PHP

GAP=

hor,err=km

ver,err=KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		2226	37.11					
PHP	SE	ISG		2226	41.38					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2012	11	26	2232	40.01								PHP
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GAP= hor,err=km ver,err=KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		2232	40.01					
PHP	SE	ISG		2232	44.45					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2012	11	26	2335	43.87	41.66	20.11	24	ASN	2	0.1	2.4	BURREL
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GAP=266 hor,err=1km ver,err=11KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		2235	49.04	86	0.0	27	20	2.4
PHP	SE	ISG		2235	54.33	86	0.1	27		
PUK	SZ	IPG		2235	53.64	338	-0.1	47	19	2.4
PUK	SE	ISG		2235	69.12	338	0.0	47		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2012	11	26	2237	28.17								PHP
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GAP= hor,err=km ver,err=KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		2237	28.17					
PHP	SE	ISG		2237	35.64					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2012	11	26	2242	28.72								PHP
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GAP= hor,err=km ver,err=KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		2242	28.72					
PHP	SE	ISG		2242	35.01					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2012 11 26 2313 53.49 PHP  
GAP= hor,err=km ver,err=KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		2313	53.49					
PHP	SE	ISG		2313	58.91					

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

2012 11 26 2314 53.61 PHP  
GAP= hor,err=km ver,err=KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		2314	53.61					
PHP	SE	ISG		2314	57.26					

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

2012 11 26 2321 04.37 41.66 20.11 7 ASN 4 0.1 2.8 BURREL  
GAP=126 hor,err=1km ver,err=1KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		2321	09.44	83	0.0	27	30	2.8
PHP	SE	ISG		2321	13.77	83	0.1	27		
TIR	SZ	IPG		2321	11.81	212	0.0	40	29	2.8
TIR	SE	ISG		2321	17.90	212	0.1	40		
PUK	SZ	IPG		2321	12.64	237	0.1	46	30	2.8
PUK	SE	ISG		2321	19.55	237	0.1	46		
BCI	SZ	IPG		2321	16.82	357	0.1	78	30	2.8
BCI	SE	ISG		2321	29.64	357	0.1	78		

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

2012 11 26 2328 29.20 PHP  
GAP= hor,err=km ver,err=KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		2328	29.20					
PHP	SE	ISG		2328	33.24					

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

2012 11 26 2345 13.58 PHP  
GAP= hor,err=km ver,err=KM

STAT SP IPHASW D HRMM SECON	AZIMU	RES	DIS	DUR	Md
PHP SZ IPG 2345 13.58					
PHP SE ISG 2345 18.18					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	27	0007	43.64								PHP
GAP=					hor,err=km			ver,err=KM				

STAT SP IPHASW D HRMM SECON	AZIMU	RES	DIS	DUR	Md
PHP SZ IPG 0007 43.64					
PHP SE ISG 0007 48.36					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	27	0016	07.68								PHP
GAP=					hor,err=km		ver,err=KM					

STAT SP IPHASW D HRMM SECON	AZIMU	RES	DIS	DUR	Md
PHP SZ IPG 0016 07.68					
PHP SE ISG 0016 12.01					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	27	0017	16.04	41.68	20.16	18	ASN	5	0.1	3.2	V-L BURREL
GAP=117					hor,err=1km		ver,err=1KM					

STAT SP IPHASW D HRMM SECON	AZIMU	RES	DIS	DUR	Md
PHP SZ IPG 0017 22.27	90	0.0	23	43	3.1
PHP SE ISG 0017 26.20	90	-0.1	23		
TIR SZ IPG 0017 24.38	242	-0.1	45	44	3.2
TIR SE ISG 0017 32.33	242	0.1	44		
PUK SZ IPG 0017 25.12	331	0.1	45	45	3.2
PUK SE ISG 0017 32.69	331	-0.1	45		
BCI SZ IPG 0017 30.69	335	-0.1	75	45	3.2
BCI SE ISG 0017 42.92	335	-0.1	75		
KBN SZ IPG 0017 38.75	155	0.0	129		
KBN SE ISG 0017 56.55	155	0.1	129		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	27	0049	40.02								PHP
GAP=					hor,err=km		ver,err=KM					

STAT SP IPHASW D HRMM SECON	AZIMU	RES	DIS	DUR	Md
PHP SZ IPG 0049 40.02					

PHP SE ISG 0049 43.11

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	27	0032	50.06								PHP
GAP=					hor,err=km			ver,err=KM				
STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS		DUR	Md	
PHP	SZ	IPG		0032	50.06							
PHP	SE	ISG		0032	54.31							

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	27	0138	20.91								PHP
GAP=					hor,err=km			ver,err=KM				
STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS		DUR	Md	
PHP	SZ	IPG		0138	20.91							
PHP	SE	ISG		0138	24.64							

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	27	0152	37.29								PHP
GAP=				hor,err=km				ver,err=KM				
STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md		
PHP	SZ	IPG		0152	37.29							
PHP	SE	ISG		0152	41.11							

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	27	0200	35.08	41.66	20.11	7	ASN	3	0.1	2.6	V-L BURRELL
GAP=117				hor.err=1km				ver.err=1KM				
STAT	SP	IPHASW	D	HRMM	SECON	AZIMU		RES		DIS	DUR	Md
PHP	SZ	IPG		0200	40.10	86		0.0		27	25	2.6
PHP	SE	ISG		0200	44.54	86		-0.1		27		
TIR	SZ	IPG		0200	39.26	211		0.0		40	26	2.6
TIR	SE	ISG		0200	48.68	211		0.1		40		
PUK	SZ	IPG		0200	43.20	337		0.0		46	25	2.6
PUK	SE	ISG		0200	50.09	337		0.1		46		

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

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		0227	11.60					
PHP	SE	ISG		0227	15.51					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	27	0245	45.98								PHP

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

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		0245	45.98					
PHP	SE	ISG		0245	49.61					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	27	0340	55.51								PHP

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

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		0340	55.51					
PHP	SE	ISG		0340	58.16					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	27	0502	36.95	41.63	20.13	20	ASN	6	0.1	3	10 KM V-L

BURREL  
GAP=114 hor,err=1km ver,err=1KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		0502	42.59	78	0.0	26	31	3
PHP	SE	ISG		0502	46.78	78	0.1	26		
TIR	SZ	IPG		0502	45.29	215	0.0	40	33	3
TIR	SE	ISG		0502	50.41	215	0.1	40		
PUK	SZ	IPG		0502	45.47	336	0.0	49	33	3
PUK	SE	ISG		0502	53.47	336	-0.1	49		
BCI	SZ	IPG		0502	51.76	357	0.0	80	40	3.1
BCI	SE	ISG		0502	02.50	357	0.1	80		
KBN	SZ	IPG		0502	59.11	153	0.0	125		
KBN	SE	ISG		0503	17.42	153	0.1	125		
FNA	SZ	IPN		0503	01.12	130	-0.1	141		
FNA	SE	ISN		0503	20.05	130	-0.1	141		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2012 11 27 1906 21.83 40.77 19.77 16 ASN 8 0.2 3.9 STRUME FIER  
GAP=149 hor,err=1km ver,err=2KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
VLO	SZ	IPG		1906	29.30	215	0.2	41	90	3.8
VLO	SE	ISG		1906	36.57	215	0.1	41		
TPE	SZ	IPG		1906	31.53	159	-0.4	56	99	3.9
TPE	SE	ISG		1906	40.52	159	0.3	56		
TIR	SZ	IPG		1906	33.62	6	0.1	64	92	3.9
TIR	SE	ISG		1906	42.92	6	-0.2	64		
KBN	SZ	IPG		1906	36.79	100	0.3	87	87	3.9
KBN	SE	ISG		1906	49.60	100	0.2	87		
SRN	SZ	IPG		1906	39.61	168	0.4	101	87	3.9
SRN	SE	ISG		1906	53.38	168	-0.5	101		
PHP	SZ	IPN		1906	40.96	28	0.1	115	82	4.0
PHP	SE	ISG		1906	57.38	28	0.2	115		
PUK	SZ	IPG		1906	46.43	4	0.6	141	88	4.0
PUK	SE	ISN		1907	04.56	4	0.7	141		
BCI	SZ	IPN		1906	51.90	7	0.3	178		
BCI	SE	ISN		1907	14.37	7	0.4	178		

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter  
2012 11 28 0149 44.42 42.47 20.11 11 ASN 8 0.3 4.3 VERI B.CURRI  
GAP=358 hor,err=1km ver,err=1KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
BCI	SZ	IPG		0149	47.65	200	0.2	12	100	3.8
BCI	SE	ISG		0149	49.67	200	0.3	12		
PUK	SZ	IPG		0149	53.75	202	-0.2	51	80	3.7
PUK	SE	ISG		0150	01.14	202	0.3	51		
PHP	SZ	IPG		0150	00.11	162	0.4	91	134	4.1
PHP	SE	ISG		0150	13.64	162	0.3	91		
TIR	SZ	IPG		0150	06.10	190	0.1	129	122	4.2
TIR	SE	ISN		0150	23.82	190	0.3	129		
KBN	SZ	IPN		0150	20.21	164	-0.2	213	167	4.4
KBN	SE	ISN		0150	46.64	164	0.1	213		
VLO	SZ	IPN		0150	22.70	194	-0.4	228	152	4.4
VLO	SE	ISN		0150	51.96	194	0.3	228		
TPE	SZ	IPN		0150	24.63	183	0.4	242	169	4.4
TPE	SE	ISN		0150	53.77	183	0.3	242		
SRN	SZ	IPN		0150	29.66	182	0.4	288		

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter  
2012 11 28 0157 58.50 hor,err=km ver,err=KM BCI  
GAP=

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
BCI	SZ	IPG		0157	58.50					
BCI	SE	ISG		0158	01.62					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	28	0200	04.45								BCI
GAP=					hor.err=km			ver.err=KM				

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
BCI	SZ	IPG		0200	04.45					
BCI	SE	ISG		0200	11.95					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	28	0200	35.11								BCI
GAP=					hor.err=km		ver.err=KM					

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
BCI	SZ	IPG		0200	35.11					
BCI	SE	ISG		0200	37.87					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	28	0202	51.68								BCI
GAP=					hor.err=km		ver.err=KM					

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
BCI	SZ	IPG		0202	51.68					
BCI	SE	ISG		0202	54.10					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	28	0204	08.22								BCI
GAP=					hor.err=km		ver.err=KM					

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
BCI	SZ	IPG		0204	08.22					
BCI	SE	ISG		0204	10.53					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	28	0206	15.62								BCI
GAP=					hor.err=km		ver.err=KM					

STAT SP IPHASW D HRMM SECON	AZIMU	RES	DIS	DUR	Md
BCI SZ IPG 0206 15.62					
BCI SE ISG 0206 18.61					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	28	02011	33.71								BCI
GAP=					hor.err=km			ver.err=KM				

STAT SP IPHASW D HRMM SECON	AZIMU	RES	DIS	DUR	Md
BCI SZ IPG 0211 33.71					
BCI SE ISG 0211 36.59					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	28	0215	16.31								BCI
GAP=					hor.err=km		ver.err=KM					

STAT SP IPHASW D HRMM SECON	AZIMU	RES	DIS	DUR	Md
BCI SZ IPG 0215 16.31					
BCI SE ISG 0216 18.30					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	28	0219	04.51	42.49	20.03	6	ASN	2	0.2	1.8	B.CURRI
GAP=334					hor,err=1km		ver,err=1KM					

STAT SP IPHASW D HRMM SECON	AZIMU	RES	DIS	DUR	Md
BCI SZ IPG 0219 07.54	167	0.2	14	9	1.8
BCI SE ISG 0219 09.46	167	0.1	14		
PUK SZ IPG 0219 13.35	163	-0.2	51	9	1.8
PUK SE ISG 0219 22.86	163	0.3	51		

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2012	11	28	0227	54.15								BCI
GAP=					hor,err=km		ver,err=KM					

STAT SP IPHASW D HRMM SECON	AZIMU	RES	DIS	DUR	Md
BCI SZ IPG 0227 54.15					
BCI SE ISG 0227 57.10					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2012 11 28 0237 31.70 BCI  
GAP= hor,err=km ver,err=KM

STAT SP IPHASW D HRMM SECON	AZIMU	RES	DIS	DUR	Md
BCI SZ IPG 0237 31.70					
BCI SE ISG 0237 33.36					

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

2012 11 28 0242 08.00 BCI  
GAP= hor,err=km ver,err=KM

STAT SP IPHASW D HRMM SECON	AZIMU	RES	DIS	DUR	Md
BCI SZ IPG 0242 08.00					
BCI SE ISG 0242 10.17					

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

2012 11 28 0238 34.94 BCI  
GAP= hor,err=km ver,err=KM

STAT SP IPHASW D HRMM SECON	AZIMU	RES	DIS	DUR	Md
BCI SE ISG 0238 36.83					

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

2012 11 28 0243 09.56 BCI  
GAP= hor,err=km ver,err=KM

STAT SP IPHASW D HRMM SECON	AZIMU	RES	DIS	DUR	Md
BCI SZ IPG 0243 09.56					
BCI SE ISG 0243 11.82					

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

2012 11 28 0300 59.67 BCI  
GAP= hor,err=km ver,err=KM

STAT SP IPHASW D HRMM SECON	AZIMU	RES	DIS	DUR	Md
BCI SZ IPG 0300 59.67					
BCI SE ISG 0301 01.92					

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

2012 11 28 0307 57.63 BCI

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

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
BCI	SZ	IPG		0307	57.63					
BCI	SE	ISG		0307	59.69					

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

2012 11 28 0309 05.81 BCI

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

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
BCI	SZ	IPG		0309	05.81					
BCI	SE	ISG		0309	07.52					

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

2012 11 28 0309 05.81 BCI

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

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
BCI	SZ	IPG		0309	05.81					
BCI	SE	ISG		0309	07.52					

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

2012 11 28 0315 12.94 BCI

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

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
BCI	SZ	IPG		0315	12.94					
BCI	SE	ISG		0315	15.00					

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

2012 11 28 0316 14.95 BCI

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

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
BCI	SZ	IPG		0316	14.95					
BCI	SE	ISG		0316	17.14					

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

2012 11 28 0325 08.09 BCI

GAP=

hor,err=km

ver,err=KM

STAT SP IPHASW D HRMM SECON	AZIMU	RES	DIS	DUR	Md
BCI SZ IPG 0325 08.09					
BCI SE ISG 0325 10.10					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2012 11 28 0405 55.20												BCI
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GAP=

hor,err=km

ver,err=KM

STAT SP IPHASW D HRMM SECON	AZIMU	RES	DIS	DUR	Md
BCI SZ IPG 0405 55.20					
BCI SE ISG 0405 57.22					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2012 11 28 0518 28.71												PHP
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GAP=

hor,err=km

ver,err=KM

STAT SP IPHASW D HRMM SECON	AZIMU	RES	DIS	DUR	Md
PHP SZ IPG 0518 28.71					
PHP SE ISG 0518 34.24					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2012 11 28 0540 15.31												BCI
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GAP=

hor,err=km

ver,err=KM

STAT SP IPHASW D HRMM SECON	AZIMU	RES	DIS	DUR	Md
BCI SE ISG 0540 17.92					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2012 11 28 0555 35.80												BCI
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GAP=

hor,err=km

ver,err=KM

STAT SP IPHASW D HRMM SECON	AZIMU	RES	DIS	DUR	Md
BCI SZ IPG 0555 35.80					
BCI SE ISG 0555 37.79					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2012 11 29 1218 11.12 42.53 20.18 3 ASN 3 0.1 1.9												BELAJ, KOSOVE
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GAP=241

hor,err=1km

ver,err=1KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
BCI	SZ	IPG		1218	15.59	208	0.1	21	11	1.9
BCI	SE	ISG		1218	17.87	208	0.0	21		
PUK	SZ	IPG		1218	22.33	204	0.1	60	11	
PUK	SE	ISG		1218	30.71	204	0.1	60		
PHP	SZ	IPG		1218	28.28	167	0.0	96		
PHP	SE	ISG		1218	41.32	167	0.1	96		

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter  
 2012 11 30 0939 56.04 40.71 19.63 2 ASN 7 0.3 3.4 4KM J-L FIER  
 GAP=164 hor,err=1km ver,err=3KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
VLO	SZ	IPG		0940	02.43	204	-0.1	30	41	3.1
VLO	SE	ISG		0940	06.37	204	0.2	30		
TPE	SZ	IPG		0940	05.64	145	0.2	56	48	3.2
TPE	SE	ISG		0940	16.26	145	0.3	56		
TIR	SZ	IPG		0940	09.24	15	0.2	73		
TIR	SE	ISG		0940	21.06	15	0.2	73		
SRN	SZ	IPG		0940	14.98	161	0.1	97	48	3.2
SRN	SE	ISG		0940	26.68	161	0.3	97		
KBN	SZ	IPG		0940	13.38	95	0.2	98	47	3.2
KBN	SE	ISG		0940	27.08	95	0.1	98		
PHP	SZ	IPN		0940	18.48	31	-0.1	127	64	3.5
PHP	SE	ISN		0940	37.34	31	0.2	127		
PUK	SZ	IPN		0940	22.67	8	-0.1	149	66	3.5
PUK	SE	ISN		0940	43.30	8	-0.3	149		

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter  
 2012 11 30 1014 53.78 41.44 21.07 2 ASN 6 0.1 2.9 MAQEDONI  
 GAP=215 hor,err=2km ver,err=1KM

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PHP	SZ	IPG		1015	05.19	297	0.1	58	30	2.9
PHP	SE	ISG		1015	12.70	297	0.1	58		
FNA	SZ	IPG		1015	08.25	160	0.1	78		
FNA	SE	ISG		1015	18.91	160	0.1	78		
KBN	SZ	IPG		1015	10.69	195	0.1	94	40	3.1
KBN	SE	ISG		1015	22.74	195	-0.2	94		
TIR	SZ	IPG		1015	11.76	264	0.2	101		
TIR	SE	ISG		1015	25.84	264	-0.2	101		
PUK	SZ	IPG		1015	15.61	305	-0.1	118	42	3.1
PUK	SE	ISG		1015	31.41	305	0.2	118		
TPE	SZ	IPN		1015	22.51	216	0.2	156	48	3.2
TPE	SE	ISN		1015	43.11	216	-0.1	156		

## TERMETE TE LARGETA (LONG DISTANT EARTHQUAKE)

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter	
2012	11	7	1648	34.38	14.00	92.28	10	ASN	7		7.4	-GUATEMALA	
					GAP=	hor.err=km				ver,err=KM			

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
PUK	SZ	IP		1649	06.02					
BCI	SZ	IP		1649	08.11					
TIR	SZ	IP		1649	08.16					
PHP	SZ	IP		1649	23.32					
TPE	SZ	IP		1649	21.11					
KBN	SZ	IP		1649	36.68					
SRN	SZ	IP		1649	16.71					

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter	
2012	11	11	0122	36.39	22.99	95.95	10	ASN	7		6.4	MYANMAR	
					GAP=	hor,err=km				ver,err=KM			

STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md
BCI	SZ	IP		0123	09.33					
PHP	SZ	IP		0123	20.49					
PUK	SZ	IP		0123	23.26					
TIR	SZ	IP		0123	22.66					
KBN	SZ	IP		0123	16.08					
TPE	SZ	IP		0123	37.08					
SRN	SZ	IP		0123	47.11					

**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  $I_0 = \text{_____}$ . Intensiteti  $I$  në qytete është

The epicentral Intensity of earthquake  $I_0$  is determined by the formula  $I_0 = \text{_____}$ . The felt

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

informacion of earthquakes in inhebitance 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	11.11.2012	09:20:37.4	<p>Epiqendra: 40.73V; 19.62L në fshatin Verbas 4 km në V-L të qytetit Fierit. Intensiteti i tërmetit në epiqendër <math>I_0=IV</math> ballë</p> <p>Ndjerë: III-IV ballë ne qytetin e Fierit dhe III ballë në qytetin e Patosit</p> <p>(Epicentre: 40.73N; 19.62E in Verbas village, N-E of Fieri town. Epicentral Intensity <math>I_0=IV</math> Felt: III-IV at Fieri city and III at Patosi town)</p>
2	12.11.2012	23:28:51.2	<p>Epiqendra: 40.70V; 19.68L në fshatin Kurjan 8km në J-L te qytetit te Fierit. Intensiteti i tërmetit në epiqender <math>I_0=IV-V</math> ballë</p> <p>Ndjerë: IV në qytetin e Fierit dhe III-IV në qytetin e Patosit</p> <p>(Epicentre: 40.70N; 19.68E in Kurjan village, 8 km in S-E of Fieri town. Epicentral Intensity <math>I_0= IV-V</math> Felt: IV at Fieri city and IV at Patosi town)</p>
3	25.11.2012	20:18:15.10	<p>Epiqendra: 40.89V; 21.06 L, ne fshatin Kallamas Liqeni Prespes. Intensiteti i tërmetit në epiqender <math>I_0=IV-V</math> ballë</p> <p>Ndjerë: IV fshatrat rrethë Liqenit të Prespës.</p> <p>(Epicentre: 40.89N; 21.06E in Kallamas village, Prespa Lake. Epicentral Intensity <math>I_0= IV-V</math> Felt: IV at villages near Prespa lake)</p>
4	25.11.2012	23:48:19.70	<p>Epiqendra: 40.92V; 21.05 L, ne fshatin Kallamas Liqeni Prespes. Intensiteti i tërmetit në epiqender <math>I_0=IV</math> ballë</p> <p>Ndjerë: III-IV fshatrat rreth Liqenit të Prespës.</p> <p>(Epicentre: 40.92N; 21.05E in Kallamas village, Prespa Lake. Epicentral Intensity <math>I_0= IV</math> Felt: IV at villages near Prespa lake)</p>

5	26.11.2012	22:05:25.40	Epiqendra: 41.66V; 20.11 L, ne fshatin Lise 9 km ne V-L të Burrelit. Intensiteti i tërmetit në epiqender $I_0=V$ ballë Ndjerë:IV-V balle ne qytetin e Burrelit. III-IV ne qytetin e Bulqizes dhe Peshkopise. (Epicentre: : 41.66N; 20.11 E in Lise village, 9 km in N-E of Fieri town. Epicentral Intensity $I_0= V$ Felt: IV-V at Burrel town and III-IV at Bulqizes and Peshkopi town)
6	27.11.2012	19:06:22.90	Epiqendra: 40.77V; 19.72 L, në fshatin Strum, 4 km në Veri të qytetit të Rroskovecit. Intensiteti i tërmetit në epiqendër $I_0=V$ ballë. Ndjerë: V ballë në qytetin e Rroskovecit. IV-V në qytetin e Fierit. IV në qytetin e Kucovës dhe Lushnjës, III-IV në qytetet Berat dhe Vlorë. (Epicentre: 40.77N; 19.72E in Strum village, 8 km in N of Rroskoveci town. Epicentral Intensity $I_0= V$ Felt: V at Rroskoveci town IV-V at Fieri city and IV at Kucova and Lushnja town and III-IV at Berat and Vlora town)
7	28.11.2012	01:49:27.40	Epiqendra: 42.47V; 20.11 L, në kufi me Kosoven, 13 km në Veri të qytetit B.Curri. Intensiteti i tërmetit në epiqendër $I_0=V$ -VI ballë. Ndjerë: V balle në qytetin e B.Currit. IV-V në qytetin e Kuksit. IV në qytetin e Pukës, III-IV në qytetet Peshkopi dhe Shkodër. (Epicentre: 42.47N; 20.11E in Kosova border, 13 km in N of B.Curri town. Epicentral Intensity $I_0=V$ -VI ballë. Felt: V at B.Curri town IV-V at Kukesi town and IV at Puka town and III-IV Peshkopi and Shkodra towns)

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

Data Date	Koha Time	Gjer. Lat	Gjat Long.	Thell. Depth	Nr. St. N <sub>0</sub> . St	Gab Rms	Mag. ( $M_D$ )	Vendndodhja Location
vvvv/mm/dd	hh:mm:ss			(km)				

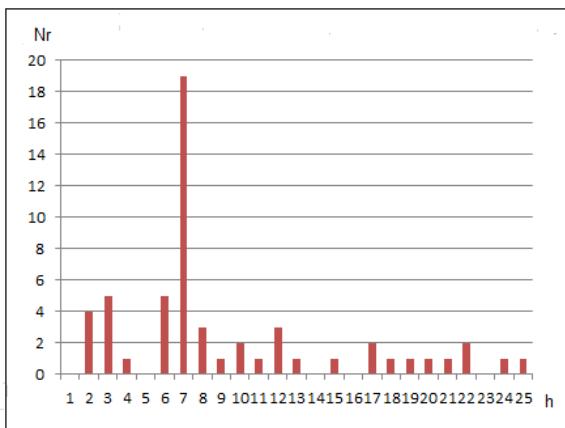
Y	M	D	Code	Lat	Long	Magnitude	Depth	Phase	Count	Mean	Std Dev	Location
2012	11	1	1853	07.73	40.68	19.74	7		10	0.1	3.1	KURJAN FIER
2012	11	2	0443	37.49	41.25	20.36	7		6	0.1	2.7	DOREZ LIBRAZHDE
2012	11	2	1536	12.40	41.39	20.04	18		3	0.2	2.4	16 KM V-L TIRANA
2012	11	3	0806	17.37	42.44	18.62	3		4	0.1	3.3	MALI ZI
2012	11	4	2349	46.09	39.23	20.13	36		7	0.1	3.2	KORFUZ GREQI
2012	11	4	2354	20.06	42.27	19.66	7		2	0.1	2.3	GJURAJ-SHKODRES
2012	11	4	2354	54.01	42.28	19.72	7		2	0.1	2.2	KUJE-SHKODRES
2012	11	5	0213	56.12	41.29	20.18	28		6	0.1	3	BALLGJIN-ELBASANIT
2012	11	5	2116	38.45	41.31	19.38	7		5	0.1	2.8	DETI ADRIATIK- DURRES
2012	11	6	1821	36.61	39.86	20.58	16		8	0.2	3.0	19 KM J-L KAKAVIJE
2012	11	6	2054	14.66	41.32	19.40	3		6	0.2	2.7	4KM PERENDIM DURRES
2012	11	6	2311	47.78	42.09	20.19	6		4	0.2	2.9	LAJTHIZE PUKE
2012	11	7	0211	45.66	42.09	20.18	2		5	0.1	2.7	LAJTHIZE PUKE
2012	11	7	1648	34.38	14.00	92.28	10		7	0.2	7.4	OFFSHORE GUATEMALA
2012	11	7	2253	45.19	38.91	21.28	9		5	0.2	3.4	GREQI
2012	11	8	0347	48.51	39.91	20.73	1		4	0.1	2.8	GREQI-LESKOVIKUT)
2012	11	9	2121	37.51	41.84	20.22	7		2	0.1	2	ARRE MOLLE- PESHKOPIS)
2012	11	10	0321	05.52	41.73	19.50	8		4	0.2	2.9	7 KM PERENDIM KUNJE, LEZHE
2012	11	10	1325	02.52	42.11	19.07	7		3	0.1	2.8	DETI ADRIATIK
2012	11	10	2130	06.67	37.85	21.83	33		5	0.1	4	GREQI
2012	11	11	0045	59.71	42.09	20.22	7		3	0.1	2.4	SHENMERI-KUKES
2012	11	11	0534	56.11	42.09	20.19	7		3	0.1	2.4	SHENMERI- KUKES
2012	11	11	0920	37.73	40.73	19.63	19		10	0.1	3.3	VERBAS- FIER
2012	11	11	0925	04.35	38.92	21.89	48		5	0.1	3.6	GREQI
2012	11	11	2240	03.16	39.17	21.70	15		5	0.1	3.9	GREQI
2012	11	12	1529	27.90	41.58	19.78	33		4	0.2	2.9	3 KM VERI MAMURRAS
2012	11	12	2318	40.26	42.59	18.96	10		9	0.1	4.2	MALI I ZI
2012	11	12	2328	51.50	40.70	19.74	12		8	0.1	3.6	KURJAN FIER
2012	11	12	2350	28.21	42.55	19.01	12		4	0.1	3.0	MALI I ZI
2012	11	12	0706	43.98	39.52	16.91	7		4	0.1	4.4	SICILI ITALI
2012	11	13	2324	07.83	42.67	18.96	25		6	0.4	4.5	CEROVE MALI I ZI
2012	11	16	2243	53.77	41.57	20.76	3		4	0.1	2.7	MAQEDONI
2012	11	18	0937	18.97	42.58	19.15	13		3	0.1	3.1	MALI I ZI
2012	11	18	1511	14.23	42.79	19.21	9		3	0.1	2.5	MALI I ZI
2012	11	18	2101	37.70	42.19	20.08	8		5	0.3	2.8	6 KM V-L IBALLE PUKE
2012	11	19	0413	20.04	41.76	20.32	21		4	0.4	2.3	SHUMAT PESHKOPI
2012	11	19	1741	47.47	41.86	19.31	8		3	0.2	3.2	DETI ADRIATIK- VELIPOJE
2012	11	20	0211	52.28	41.71	20.27	6		4	0.1	2.5	KISHAVEC PESHKOPISE
2012	11	22	0447	28.40	41.88	20.21	12		4	0.1	2.1	5 KM JUG-LINDJE KLOS
2012	11	22	2224	34.87	41.28	20.01	15		8	0.2	2.9	SELBE-TIRANE
2012	11	23	0412	27.54	41.76	20.25	6		3	0.2	2.4	XIDHEN- PESHKOPISE
2012	11	24	2017	37.86	41.97	20.14	7		3	0.1	2.4	MARESH-PUKE
2012	11	24	2111	45.99	39.71	20.51	7		5	0.1	2.9	KALITHEA GREQI
2012	11	25	2005	56.70	40.86	21.06	6		3	0.1	2.5	LIQENI PRESPA
2012	11	25	2018	43.10	40.89	21.06	3		7	0.5	3.7	LIQENI PRESPES

2012	11	25	2235	11.47	41.90	19.27	6	3	0.1	2.5	ULQIN
2012	11	25	2315	19.94	40.85	21.06	7	3	0.3	2.3	LIQENI PRESPA
2012	11	25	2321	20.79	40.86	21.06	7	3	0.2	2.4	LIQENI PRESPA
2012	11	25	2348	41.67	40.92	21.05	3	8	0.4	3.5	LIQENI PRESPES
2012	11	26	0013	04.53	40.88	21.05	7	2	0.2	1.8	LIQENI PRESPA
2012	11	26	0016	16.73	40.56	21.06	7	3	0.4	2.4	LIQENI PRESPA
2012	11	26	0055	47.05	40.90	21.05	7	2	0.4	1.9	LIQENI PRESPA
2012	11	26	0123	36.86	40.86	21.06	7	3	0.2	2.5	LIQENI PRESPA
2012	11	26	0144	36.88	40.89	21.05	7	2	0.4	2.2	LIQENI PRESPA
2012	11	26	0203	14.66	40.89	21.05	7	2	0.2	1.7	LIQENI PRESPA
2012	11	26	0216	57.88	40.89	21.05	7	2	0.2	1.6	LIQENI PRESPA
2012	11	26	0220	12.35	40.89	21.05	7	2	0.3	1.5	LIQENI PRESPA
2012	11	26	0258	28.26	40.88	21.05	7	2	0.2	1.6	LIQENI PRESPA
2012	11	26	0305	33.53	40.88	21.06	7	2	0.3	1.6	LIQENI PRESPA
2012	11	26	0637	08.10	40.33	19.56	7	8	0.2	3.1	DUKAT VLORE
2012	11	26	1922	25.24	40.93	21.04	10	4	0.1	3.1	LIQENI PRESPES
2012	11	26	2153	15.01	41.66	20.12	7	3	0.2	2.1	9 KM V-L BURREL
2012	11	26	2154	57.65	41.65	20.12	7	3	0.1	2.4	10KM V-L BURREL
2012	11	26	2205	15.12	41.66	20.11	21	9	0.1	4	9 KM V-L BURREL
2012	11	26	2335	43.87	41.66	20.11	24	2	0.1	2.4	9 KM V-L BURREL
2012	11	26	2321	04.37	41.66	20.11	7	4	0.1	2.8	9 KM V-L BURREL
2012	11	27	0017	16.04	41.68	20.16	18	5	0.1	3.2	13KM V-L BURREL
2012	11	27	0200	35.08	41.66	20.11	7	3	0.1	2.6	9 KM V-L BURREL
2012	11	27	0502	36.95	41.63	20.13	20	6	0.1	3	10KM V-L BURREL
2012	11	27	1906	21.83	40.77	19.77	16	8	0.1	3.9	STRUME FIER
2012	11	28	0149	44.42	42.47	20.11	11	8	0.3	4.3	13KM VERI B. CURRI
2012	11	28	0219	04.51	42.49	20.03	6	2	0.1	1.8	B. CURRI
2012	11	29	1218	11.12	42.53	20.18	3	3	0.1	1.9	BELAJ, KOSOVE
2012	11	30	0939	56.04	40.71	19.63	2	7	0.3	3.4	4KM J-L FIER
2012	11	30	1014	53.78	41.44	21.07	2	6	0.1	2.9	MAQEDONI

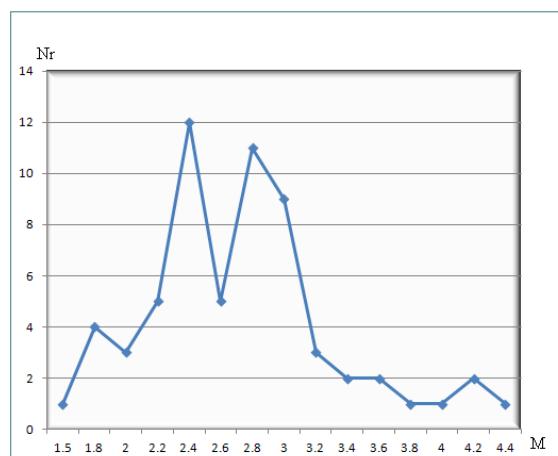
## STATISTIKA E NGJARJEVE SIZMIKE (STATISTICS OF SEISMIC EVENTS)

Karakteristikat e per gjithshme (General Characteristics)	Vlerat (Data values)
➤ Ngjarje sizmike të ndodhura në kuadratin (39-43 V; 18.5-21.5 L)	70
<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	10

<b>Mean hypocenter depth</b>	36
➤ <i>Thellësia maksimale</i>	
<b>Maximum hypocenter depth</b>	1.5
➤ <i>Magnituda lokale minimale e regjistruar</i>	
<b>Minimum recorded local magnitude</b>	4.5
➤ <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)

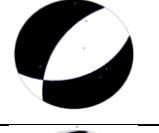
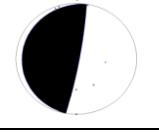
Për zgjidhjen e mekanizmit të vatrës janë përdorur polaritetet e hyrjeve të para P (Pg/Pn), të përcaktuara mbi format valore që shprehin funksionin kohor të burimit sizmik perkatës, në fushën e shpejtësisë. Janë përdorur regjistrimet në bandë të gjere frekuenciale (0.2 – 30 Hz), të cilat janë modeluar nëpermjet filtrave band-

## 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,

pass: 1.0-5.0 Hz, 2.0-10 Hz dhe 0.1-3.0 Hz. Për të arritur zgjidhen optimale janë përdorur edhe raporti i amplitudave të valëve volumore 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 zgjidhen përfundimtare është përdorur programi FOCMEC (Snoke. et al., 1984), ndërsa për të optimizuar zgjidhen është përdorur programi HASH (Hardebeck & Shearer, 2003).

2.0-10 Hz and 0.1-3.0Hz. To achieve the optimum solution also the amplitude ratio of the type AMPSg/AMPPg, ( AMPSn/AMPPn), are used. These amplitudes are red on rotated and corrected components, from the geographic 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 HASH routine(Hardebeck& Shearer, 2003), has been applied as well.

Identifikimi i ngjarjes (Event ID)	Parametrat e burimit (Source parameters)	Magnituda (Magnitude)	Parametrat e Mekanizmit (Focal Mechanism parameters)	Tipi (Focal Type)
201211261906	40.74 (N) 19.81 (E) 9 (km)	3.8	P1: 149, 73, 58 P2: 33.9, 35.8, 21.5 T: 22.8, 51.3 P: 262.8, 21.5	
201211272205	41.66 (N) 20.04 (E) 9 (km)	3.9	P1: 70, 44, -59 P2: 211, 53, -116 T: 319, 5 P: 62, 69	
201211280149	42.47 (N) 20.11 (E) 11 (km)	4.3	P1: 10, 84, 90 P2: 190, 6, 90 T: 280, 51 P: 100, 39	

## Harta e epiqendrave të tërmeteve

