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BULETINI SIZMOLOGJIK

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H Y R J E

Buletini sizmologjik përmban ngjarjet sizmike (tërmetet), e regjistruar, lokalizuar dhe analizuar gjatë periudhës kohore një-mujore. Përpos pasqyrimin kronologjik të aktivitetit sizmik të regjistruar, në territorin Shqipëtar dhe rreth tij, me anë të stacioneve të rrjetit sizmologjik shqipëtar, por edhe të rrjeteve fqinjë, periodiku përmban një analizë të gjithanëshme të parametrave të vlerësuar në drejtim të cilësisë së vlerësimit të tyre dhe statistikës së aktivitetit sizmik në vend. Përmbajtja e buletinit konsiston në terminologjinë përkatëse, në karakteristikat e stacioneve sizmologjik, të dhënat parametrike të vlerësuara nga analiza e çdo tërmeti, në analizën e cilësisë së vlerësimit të këtyre parametrave, në analizën e ngjarjeve të veçanta ($M > 4.0$), nëse ka të tilla, si dhe në përpilimin e katalogut mujor dhe paraqitjen grafike në hartë, të epiqendrave të tërmeteve të lokalizuar. Në procesin e monitorim-regjistrimit dhe lokalizimit të ngjarjeve sizmike kontribuojnë drejtpërdrejtë punonjësit ndihmës-shkencor (laborant): Ing. Ardian Minarolli, Ing. Ervin Kasaj dhe Ing. Olgert Gjuzi (Inxhinier Gjeolog/ Monitorues në Qendrën Kombëtare të Sizmologjisë). Në kontrollin dhe analizën e cilësisë së vlerësimit të të dhënave, në analizën statistikore, analizën e ngjarjeve ($M > 4.0$), katalogimin dhe paraqitjen grafike në hartë si dhe përpilimin e këtij buletini, kontribuojnë punonjësit kërkues sizmolog, Prof. Asoc. Dr. Rrapo Ormeni dhe Dr. Edmond Dushi. Analiza e të dhënave kryhet me anë të programit Hypoinverse-2000 (Pakete rutinash në gjuhën Fortran), me autor Fred W Klein (2002) [*Referenca: Open File Report 02-171, v. 1.0, U. S. Geological Survey, 345 Middlefield Rd., MS#977, Menlo Park CA 94025; klein@usgs.gov*]. Ky program është baza llogaritëse e përdorur nga **Nanometrics** në programin interaktiv të përpunimit dhe lokalizimit të tërmeteve, në sistemin Libra 1, ATLAS (një ndërfaqe grafike në gjuhën Java). Të dhënat e përfutuara ruhen në formatet standart të Hypoinverse 2000, në skedarin hyp.prt dhe atë akiv, që shërbejnë edhe si baza për përpilimin e këtij buletini dhe analizës së kryer.

Briefing:

The seismological bulletin represents a reassume of the seismic events (earthquakes), occurred within Albania and surroundings for a period of one month. These events are permanently recorded, located and further processed by Albanian Seismological Network. This report, along with the chronologic ordering of events, contains a comprehensive analysis of the evaluated parameters as well as the quality of this process. It contains the description of output parameters, parametric data, statistical analysis and quality data analysis, catalogue and epicenter map. Contributing assistant stuff are: Eng. Ardian Minarolli, Eng. Ervin Kasaj, Eng. Olgert Gjuzi (Geologists/Observers) and scientific stuff: Prof. Asoc. Dr. Rrapo Ormeni and Dr. Edmond Dushi (Seismologists). Program used for this analysis is Hyponverse 2000 (Klein, 2002; USGS), implicitly implemented in Atlas (Java Interface Nanometrics Firmware), part of Libra 1 VSAT system.

Stacionet Sizmikë (*Seismic Stations*)

A. Rrjeti Sizmologjik Shqipëtar (*Albanian Seismological Network, ASN*)

Të dhënat për këtë rrjet janë dhënë në **Tab. 1**.

3C – sensor të shpejtësisë me tre komponente regjistrimi (3 – component velocimeters)

BB – sensor me reagim frekuencial me bandë të gjerë, në intervalin e frekuencave të fushës sizmike $10^{-3} - 10^2$ Hz (Broadband sensors)

RT – regjistrim dhe tranmetim i të dhënave valore nga stacionet periferik në Qendrën Kombëtare të Monitorimit, në kohë reale (Real time communication)

T_0 – perioda vetjake e reagimit të sizmometrit (sensorit), mbi të cilën ai reagon linearisht si filtër i frekuencave të larta (High-Pass). Ky parametër është karakteristik për një tip të dhënë sensori (Sensor Natural Period)

Shënim: të gjithë stacionet janë të regjistruar në regjistrin ndërkombëtar (WDC), ku identifikohen me kodin përkatës të përbërë nga 3-5 karaktere.

Tab. 1 – Rrjeti Sizmologjik Shqipëtar (Albanian Seismological Network, ASN)

B. Rrjeti Sizmologjik Virtual (Virtual Seismological Network)

Tab. 2 – Rrjeti Sizmologjik Virtual - InterNaqs (INGV, AUTH)

Kodi	Regjistruar (Po/Jo)	Gjer. Gjeo.	Gjat. Gjeo.	Lartesia	Tipi i stacionit	Sensori	Terheqja e Informacionit	Komunikimi	T_0
Station Code	Registered (WDC)	Latitude (degree)	Longitude (degree)	Elev. (m)	Station type	Sensor type	Acquisition system	Communication	Nat.l Period (s)
TIR	Po (Y)	41.3477	19.8650	198	3C-BB	STS-2	Libra VSAT (InterNaqs)	RT satellite	120
BCI	Po (Y)	42.3666	20.0675	500	3C-BB	CMG-40T	Libra VSAT	RT satellite	40
PHP	Po (Y)	41.6847	20.4408	670	3C-BB	Trillium 40T	Libra VSAT	RT satellite	40
SDA	Po (Y)	42.0519	19.4986	80	3C-SP	SM-4	GBV-316	Dial-up	0.2
LACI	Po (Y)	41.6363	19.7094	40	3C-SP	SM-4	GBV-316	Dial-up	0.2
TPE	Po (Y)	40.2952	20.0109	240	3C-SP	SM-4	GBV-316	Dial-up	0.2
LSK	Po (Y)	40.1500	20.6000	920	3C-BB	CMG-40T	Libra VSAT	RT satellite	40
KBN	Po (Y)	40.6236	20.7874	800	3C-BB	Trillium 40T	Libra VSAT	RT satellite	40
VLO	Po (Y)	40.4686	19.4955	80	3C-BB	Trillium 40T	Libra VSAT	RT satellite	40
SRN	Po (Y)	39.8800	20.0005	20	3C-BB	Trillium 40T	Libra VSAT	RT satellite	40
PUK	Po (Y)	42.0426	19.8926	900	3C-BB	Trillium 40T	Libra VSAT	RT satellite	40
KKS	Po (Y)	42.0756	20.4113	300	3C-SP	SM-4	GBV-316	Dial-up	0.2

C. Rrjeti Sizmologjik Ndhmës (Auxilliary Network Stations)

Tab. 3 – Rrjeti Sizmologjik Ndhmës (MSO, SKO, AUTH, NAO, INGV)

Kodi	Regjistruar (Po/Jo)	Gjer. Gjeo.	Gjat. Gjeo.	Lartesia	Tipi i stacionit	Sensori	Terheqja e Informacionit	Komunikimi	T_0
Station Code	Registered (WDC)	Latitude (degree)	Longitude (degree)	Elev. (m)	Station type	Sensor type	Acquisition system	Communication	Nat.l Period (s)
MRVN	Po (Y)	41.0609	16.1958	610	3C-BB	Trillium 40T	Libra VSAT	RT satellite	40
NOCI	Po (Y)	40.7888	17.0644	420	3C-BB	Trillium 40T	Libra VSAT	RT satellite	40
SCTE	Po (Y)	40.0724	18.4675	150	3C-BB	Trillium 40T, 120S	Libra VSAT	RT satellite	40/120
SGRT	Po (Y)	41.7546	15.7437	960	3C-BB	Trillium 40T	Libra VSAT	RT satellite	40
LKD2	Po (Y)	38.7889	20.6578	485	3C-BB	CMG-3ESP/100	Trident	RT	40
THE	Po (Y)	40.6319	22.9628	124	3C-BB	Trillium 120	Taurus	GPRS	120
NEST	Po (Y)	40.4147	21.0489	1056	3C-BB	Trillium 120	Taurus	GPRS	120
FNA	Po (Y)	40.7818	21.3835	750	3C-BB	CMG-3EPS/100	Trident	RT	40
IGT	Po (Y)	39.5315	20.3299	270	3C-BB	CMG-3EPS/100	HRD24	RT	40

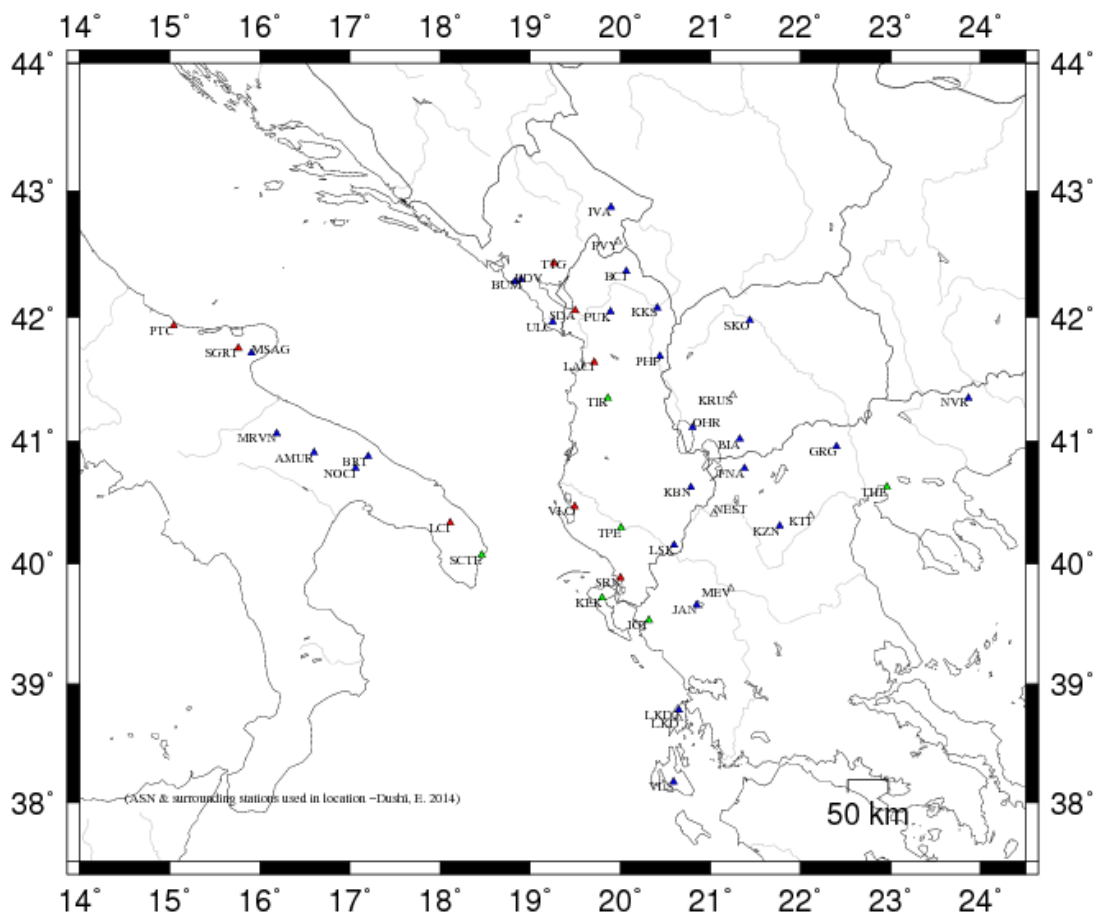
Shënim:

Rrjeti plotësues (ndihmës) konsiston në stacionet sizmologjike të rajonit, të cilat janë pjesë e Rrjetit Sizmologjik Malazezë (MSO), atij Maqedonas (SKO), të Selanikut (AUTH), Athinës (NAO) dhe Institutit Kombëtar të Gjeofizikës dhe Vullkanologjisë në Romë (INGV), dhe përdoren për përfshirjen manuale të leximeve të fazave sizmike në procesin e lokalizimit. (#) – është përdorur në rastin

Kodi	Regjistruar (Po/Jo)	Gjer. Gjeo.	Gjat. Gjeo.	Lartesia	Tipi i stacionit	Sensori	Terheqja e Informacionit	Komunikimi	T ₀
Station Code	Registered (WDC)	Latitude (degree)	Longitude (degree)	Elev. (m)	Station type	Sensor type	Acquisition system	Communication	Nat.l Period (s)
MEV	Po (Y)	39.7850	21.2290	1500	3C-SP	S-13	Trident	RT	1.0
KTI	Po (Y)	40.39289	22.11650	1329	#	#	#	#	#
GRG	Po (Y)	40.9558	22.4029	600	3C-BB	CMG-3EPS/100	Trident	RT	40
LKD	Po (Y)	38.70722	20.65056	1140	#	#	#	#	#
ULC	Po (Y)	41.9633	19.2497	465	3C-SP	S-13	Smart-24D	RT	1.0
TTG	Po (Y)	42.43020	19.25530	97	#	#	#	#	#
PVY	Po (Y)	42.5950	19.9735	1250	3C-SP	S-13	Smart-24D	RT	1.0
BUM	Po (Y)	42.3008	18.8986	724	3C-SP	S-13	Smart-24D	RT	1.0
BDV	Po (Y)	42.28340	18.82790	385	#	#	#	#	#
IVA	Po (Y)	42.87180	19.89310	996	#	#	#	#	#
KEK	Po (Y)	39.7127	19.7962	227	3C-BB	STS-2	DR24-SC	RT	120
JAN	Po (Y)	39.6561	20.8487	526	3C-BB	CMG-3ESPC/60	DR24-SC	RT	40
KZN	Po (Y)	40.3033	21.7820	791	3C-BB	STS-2	DR24-SC	RT	120
VLS	Po (Y)	38.1768	20.5886	402	3C-BB	Trillium 120	DR24-SC	RT	120
NVR	Po (Y)	41.3484	23.8651	627	3C-BB	CMG-3ESPC/60	DR24-SC	RT	40

Kodi	Regjistruar (Po/Jo)	Gjer. Gjeo.	Gjat. Gjeo.	Lartesia	Tipi i stacionit	Sensori	Terheqja e Informacionit	Komunikimi	T ₀
Station Code	Registered (WDC)	Latitude (degree)	Longitude (degree)	Elev. (m)	Station type	Sensor type	Acquisition system	Communication	Nat.l Period (s)
BRT	Po (Y)	40.8778	17.2036	333	#	#	#	#	#
AMUR	Po (Y)	40.9071	16.6041	443	3C-BB	Trillium 40T	Libra VSAT	RT satellite	40
MSAG	Po (Y)	41.712	15.9096	890	3C-BB	Trillium 40T	Libra VSAT	RT satellite	40/120
PTC	Po (Y)	41.7546	15.7437	960	3C-BB	Trillium 40T	Libra VSAT	RT satellite	40
LCI	Po (Y)	40.33461	18.11197	46	#	#	#	#	#
OHR	Po (Y)	41.1114	20.7989	739	#	#	#	#	#
BIA	Po (Y)	41.0194	21.3239	720	#	#	#	#	#
KRUS	Po (Y)	41.3689	21.2488	1015	#	#	#	#	#
SKO	Po (Y)	41.9721	21.4396	346	#	#	#	#	#

kur nuk njihet instrumentimi i stacioneve.



-Fig. 1-

Harta e shpërndarjes së stacioneve të rrjetit sizmologjik Shqipëtar (ASN), Universitetit ‘Aristotel’ të Selanikut (THE), Observatorit Kombëtar të Athinës (ATH), INGV, rrjetit sizmologjik Malazez (PDG) dhe atij Maqedonas (SKO).
 [Seismological station distribution map for ASN, THE, ATH, INGV, PDG & SKO]

Përshkrimi i terminlogjisë së përdorur për parametrat e përfutur
 (Output parameter’s description)

I. Informacioni gjithpërfshirës i kreut të ngjarjes (EVENT HEADER INFORMATION)

- YEAR MO DA Data (viti, muaji, data) [*Date*]
- ORIGIN Koha (ora, minuta, sekonda) [*Origine Time*]
- LAT N Gjerësia gjeografike (gradë, minuta) [*latitude in degree and minute*]
- LON W Gjatësia gjeografike (gradë, minuta) [*longitude in degree and minutes*]
- DEPTH Thellësia vatrore (km) [*hypocenter depth in km*]
- RMS Shmangia kuadratike mesatare për diferencat e peshuara të kohë-udhëtimin, për Fazat Sizmike, [*root mean squarre for the weighted travel time residuals*]
- ERH Gabimi horizontal në lokalizim (përafërsisht aksi maksimal i elipsit të gabimit në epiqendër), [*horizontal location error, aproximately equal to the major epicenter's error ellipse*].
- ERZ Gabimi në thellësi, [*Defined as the largest projections of the three principal errors on*

a vertical line].

XMAG	Magnituda primare bazuar në amplitudë [<i>Primary weighted median amplitude magnitude</i>].
FMAG	Magnituda primare bazuar në zgjatshmërinë e sinjalit [<i>Primary weighted median coda magnitude</i>].
PMAG	Magnituda e përzgjedhur si përfaqësuese, për ngjarjen e lokalizuar [<i>preferred magnitude selected by PRE command, as representative of available magnitudes ML and Md</i>].
NSTA	Numuri i stacioneve të përdorur në lokalizim [<i>the number of stations read for this event</i>].
NPHS	Numuri i fazave të përdorura [<i>Number of used phases in location</i>].
DMIN	Distanca hypoqender-stacioni më i afërt [<i>distance to the nearest station</i>].
MODEL	Modeli shpejtësior i përdorur [<i>velocity crustal model code</i>].
GAP	Shmangia maksimale, këndore, ndërmjet stacioneve të përdorur [<i>the largest azimuthal gap between azimuthally adjacent stations</i>].
ITR	Numri i iteracioneve për zgjidhje [<i>number of iterations required for the solution</i>].
NFM	Numri i hyrjeve të para P [<i>number of P first motions reported</i>].
NWR	Numri i fazave P & S me peshë statistikore > 0.1 [<i>number of P & S readings with weights > 0.1</i>].
NWS	Numri i fazave S me peshë statistikore > 0.1 [<i>number of S-phases with weights > 0.1</i>].
NVR	Numri i fazave P & S, të vlefshme për lokalizim [<i>number of P & S phases valid for location, assigned weights > 0</i>].
REMARKS	Kodi (3 karaktere) i rajonit (region code), bazuar në lokalizim dhe thellësinë e vlerësuar; kodi (1 karakter) për të karakterizuar ngjarjen: F – e ndjerë (felt), Q/ B – shpërthime sipërfaqësore në karriera (quarry blasts), R/N – shpërthime në thellësi (explosions), T – vibrime (tremors) dhe L – kontraktimet me period të gjatë (long period tidal waves); # - problem me konvergjimin e zgjidhjes së përfutur në mënyrë iterative [<i>convergence problems</i>], ose zgjidhje e pa pranueshme me RMS të lartë; (-) – tregon se thellësia është fiksuar [<i>fixed depth solution</i>]; X – lokalizimi i fiksuar për të rritur performancën në llogaritjen e thellësisë [<i>fixed location solution</i>].
AVH	Shënime për statusin [<i>status remarks</i>].
N.XMG	Numri i magnitudave bazuar në amplitudë [<i>number of primary amplitude based magnitudes</i>].
X.MMAD	Gabimi i bërë në vlerësimin e ML [<i>weighted median absolute difference for the primary amplitude magnitudes</i>].
T	Kodi i identifikimit për magnitudën XMAG1 [<i>label code for XMAG1</i>].
N.FMAG	Numri i magnitudave, bazuar në zgjatshmërinë e sinjalit [<i>number of primary coda magnitudes</i>].
FMMAD	Gabimi i bërë në vlerësimin e Md [<i>weighted median absolute difference for the primary coda magnitudes</i>].
T	Kodi i identifikimit për magnitudën FMAG1 [<i>label code for FMAG1</i>].

Shënim: parametrat XMAG2 dhe FMAG2, së bashku me parametrat e tjerë suksesiv të indeksuar me #####2, paraqesin informacionin për magnitudat dytësore [*secondary magnitude information parameters*].

II. Informacioni parametrik i ngjarjes (EVENT PARAMETRIC DATA)

STA	Kodi i stacionit me 5-karaktere (station code, max 5 characters). (*) –tregon se për këtë stacion është përdorur një model alternative shpejtësie [<i>alternative crustal velocity model used for that station</i>].
NET	Kodi i rrjetit [<i>the network code</i>].
COM	komponentja e përdorur [<i>3 –letters component code</i>]

C	shkurtimi i kodit të rrjetit (1 karakter) [<i>abbreviation for the station code</i>]
R	Shënimi për stacionin [<i>station remark</i>]
DIST	Distanca epiqendrore [<i>epicentral distance</i>]
AZM	Azimuti stacion-hypoqendër [<i>station azimuth in degree</i>]
AN	Këndi i daljes së rezeve valore në sferën vatrore [<i>emergence angle at the hypocenter</i>]
P/S	Kodi i fazave të përcaktuara nga leximi në formën valore [<i>phase code</i>]
WT	Pesha e vlerësimit të fazave [<i>weighted code</i>].
SEC	Koha e vrojtuar për hyrjet valore [<i>observed arrival time</i>]
TOBS	Koha e vrojtuar e udhëtimit vatër-stacion për fazën sizmike [<i>observed travel time</i>]
TCAL	Koha e llogaritur nga modeli i shpejtësisë për udhëtimin vatër-stacion, të fazës sizmike [<i>calculated travel time</i>].
DLY	Vonesa në kohë, karakteristikë për stacionin [<i>station delay</i>].
RES	Diferenca në kohë-përhapjen, model-vrojtim. [<i>Travel time residuals</i>].
WT	Pesha e normalizuar, përfshirë këtu edhe peshën e caktuar dhënë më sipër [<i>normalized weight</i>].
SR	Kodi i burimit (1 karakter), që zakonisht i referohet rrjetit [<i>1 letter source code</i>]
R	Shënime lidhur me formën valore (sizmogramën), mbartur nga të dhënat fazore [<i>Seismogram remark</i>].
INFO	Informacioni për rëndësinë e kontributit të stacionit apo fazës në zgjidhjen e përgjithshme [<i>the information of the importance of contribution</i>].
CAL	Faktori korrigjues që përdoret në llogaritjen e magnitudës [<i>calibration factor for magnitude calculation</i>].
DUR	Zgjatshmëria e fazës koda (s) [<i>coda duration i sec</i>]
W	Kodi i peshimit 0-4 për magnitudën bazuar në zgjatshmërinë e sinjalit, Md, [<i>duration magnitude weight code</i>].
FMAG	Magnituda Md, për stacionin [<i>duration magnitude for that station</i>].
T	Kodi për llojin e magnitudës [<i>the magnitude type code assigned by FC1 & FC2 commands</i>].
AMP	amplituda maksimale (pik-pik) [<i>peak to peak maximum amplitude</i>]
U	Kodi për njësinë e përdorur për amplitudën M – mm, C – counts, etj. [<i>amplitude units code</i>]
PER	Perioda (s), ku është matur A_{\max} , [<i>max amplitude corresponding period in sec.</i>].
W	Kodi i peshimit 0-9, për magnitudën, bazuar në amplitudë, [<i>amplitude based magnitude weight code</i>].
XMAG	Magnituda bazuar në amplitudë, për stacionin, [<i>amplitude magnitude for that station</i>].
T	Kodi për llojin e magnitudës [<i>the magnitude type code assigned by XC1 & XC2 commands</i>].

Tërmetet Lokalë (*Parametric Data for Albanian local Events*)

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2015-01-02 1849 49.76 41 48.08 19E41.63 1.00 0.13 0.74 1.48 1.55 2.43

SOURCE

NSTA NPHS DMIN MODEL GAP ITR NFM NWR NWS NVR REMRKS-AVH N.XMG-XMMAD-T N.FMG-FMMAD-T L F X
 8 12 31.5 At1 230 9 0 8 4 8 2.00 0.37 L 2.00 0.10 D
 REGION= 3km VL të Lezhës, Lezha Rajon (3km NE of Lezha, Lezha Region, Albania)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
PUK	AC	HHN		31.5	31	61		6	60.00	10.24	6.40	0.00		0.00		0.000	1.00		0.16 .07 1.18 L
							S		60.96	11.20	11.20	0.00	0.00	1.11S		0.584			
PUK	AC	HHZ		31.5	31	61	P		56.37	6.61	6.40	0.00	0.21	1.11		0.485	1.00	18	2.33 D
SDA	AC	HHN		31.9	331	61	S		61.20	11.44	11.36	0.00	0.08	1.11S		0.737			
SDA	AC	HHZ		31.9	331	61	P		56.20	6.44	6.49	0.00	-0.05	1.11		0.490			
PHP	AC	HHN		63.5	101	51		6	60.00	10.24	12.03	0.00		0.00		0.000	1.00		0.37 .11 1.92 L
							S		70.87	21.11	21.05	0.00	0.06	1.11S		0.930			
PHP	AC	HHZ		63.5	101	51	P		61.43	11.67	12.03	0.00	-0.36	0.26		0.040	1.00	21	2.52 D
BCI	AC	HHN		70.0	26	51	S		72.74	22.98	23.01	0.00	-0.03	1.11S		0.517			
BCI	AC	HHZ		70.0	26	51	P		62.68	12.92	13.15	0.00	-0.23	1.10		0.213			

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2015-01-04 1144 16.79 40 32.90 20E51.42 2.52 0.12 0.93 0.86 1.53 2.07

SOURCE

NSTA NPHS DMIN MODEL GAP ITR NFM NWR NWS NVR REMRKS-AVH N.XMG-XMMAD-T N.FMG-FMMAD-T L F X
 6 9 10.2 At1 148 11 0 6 3 6 # 1.00 0.00 L 1.00 0.00 D
 REGION= Korcë, Rajoni Korcës (Korca, Korca Region, Albania)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
KBN	AC	HHZ		10.2	325	90	P		18.86	2.07	2.25	0.00	-0.18	1.31		0.658	1.00	15	2.07 D
KBN	AC	HHE		10.2	325	90		6	0.00	-16.79	2.25	0.00		0.00		0.000	1.00		0.84 .20 1.53 L
							S		20.87	4.08	3.94	0.00	0.14	1.31S		0.888			
LSK	AC	HHZ		49.4	207	51	P		26.52	9.73	9.74	0.00	-0.01	0.90		0.440			
LSK	AC	HHE		49.4	207	51	S		33.79	17.00	17.05	0.00	-0.04	0.90S		0.817			

FNA	AC	HHZ	51.5	59	51	P	26.83	10.04	10.11	0.00	-0.07	0.78	0.393
FNA	AC	HHE	51.5	59	51	S	34.51	17.72	17.69	0.00	0.03	0.78S	0.801

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015	01	06	0555	25.62	40 10.59	19E56.31	4.51	0.06	0.63	2.92	2.20	

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L	F	X	
9	12	33.3	Atl	154	8	0	7	3	9		0.00	0.00	L	2.00	0.14	D

REGION= Progonat, Rajoni Tepelenes (Progonat, Tepelena Region, Albania)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
SRN	AC	HHZ	33.3	170	62	P	32.03	6.41	6.49	0.00	-0.08	1.02	0.576	1.00	13	2.06	D		
SRN	AC	HHN	33.3	170	62	S	36.95	11.33	11.36	0.00	-0.03	1.02S	0.494						
LSK	AC	HHZ	56.3	92	62	P	36.16	10.54	10.44	0.00	0.10	1.02	0.455	1.00	17	2.34	D		
LSK	AC	HHN	56.3	92	62	S	43.85	18.23	18.27	0.00	-0.04	1.02S	0.750						
IGT	AC	HHZ	79.1	154	62	P	39.45	13.83	14.35	0.00	-0.42	0.00	0.000						
IGT	AC	HHN	79.1	154	62	S	50.80	25.18	25.11	0.00	0.07	1.02S	0.412						
SCTE	AC	HHZ	125.8	266	62	P	48.02	22.40	22.37	0.00	0.03	1.00	0.942						
FNA	AC	HHZ	139.8	60	62	P	50.35	24.73	24.78	0.00	-0.05	0.92	0.368						
LKD2	AC	HHZ	166.0	157	55	P	54.98	29.36	29.04	0.00	0.32	0.00	0.000						

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015	01	09	0022	54.87	40 43.08	19E36.53	1.35	0.10	0.30	0.63	2.63	

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L	F	X	
15	22	3.5	Atl	100	8	0	12	7	15		0.00	0.00	L	3.00	0.10	D

REGION= 4km JL të Fierit, Rajoni Fier [4km SE of Fieri, Fieri Region, Albania]

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
FIR	AC	HHZ	3.5	269	110	P	55.69	0.82	0.82	0.00	0.00	1.12	0.752						
VLO	AC	HHN	29.3	200	61	S	65.23	10.36	10.41	0.00	-0.05	1.12S	0.299						
VLO	AC	HHZ	29.3	200	61	P	60.72	5.85	5.95	0.00	-0.10	1.12	0.169	1.00	23	2.53	D		
SRN	AC	HHE	98.8	160	51	S	86.55	31.68	31.60	0.00	0.07	1.12S	0.304						
SRN	AC	HHZ	98.8	160	51	P	72.88	18.01	18.06	0.00	-0.05	1.12	0.182	1.00	23	2.63	D		
LSK	AC	HHE	105.0	126	51	S	88.34	33.47	33.48	0.00	-0.01	1.12S	0.405						

LSK	AC	HHZ	105.0	126	51	P	73.58	18.71	19.13	0.00	-0.42	0.00	0.000				
SCTE	AC	HHE	120.1	235	51	S	92.84	37.97	37.99	0.00	-0.02	1.04S	0.622				
SCTE	AC	HHZ	120.1	235	51	P	76.71	21.84	21.71	0.00	0.13	1.04	0.163				
PHP	AC	HHN	128.1	32	51	S	95.04	40.17	40.39	0.00	-0.22	0.94S	0.443				
PHP	AC	HHZ	128.1	32	51	P	78.08	23.21	23.08	0.00	0.13	0.96	0.234	1.00	26	2.76	D
PUK	AC	HHN	149.0	9	51	S	101.71	46.84	46.69	0.00	0.15	0.64S	0.276				
PUK	AC	HHZ	149.0	9	51	P	81.02	26.15	26.68	0.00	-0.53*	0.00	0.000				
FNA	AC	HHN	150.1	86	51	S	101.92	47.05	47.00	0.00	0.05	0.63S	0.146				
FNA	AC	HHZ	150.1	86	51	P	81.12	26.25	26.86	0.00	-0.61*	0.00	0.000				

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015	01	09	0030	58.25	40 43.01	19E36.33	2.14	0.01	4.66	11.63	2.91	2.85

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L	F	X	
17	25	3.3	Atl	288	7	0	4	2	17	-	1.00	0.00	L	4.00	0.02	D

REGION= Verbas, Rajoni Fierit (Verbas, Fieri Region, Albania)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
FIR	AC	HHZ		3.3	271	110	P		59.10	0.85	0.84	0.00	0.01	1.00		0.843			
FIR	AC	HHE		3.3	271	110	S		59.74	1.49	1.47	0.00	0.02	1.00S		0.948			
VLO	AC	HHN		29.1	199	90		6	60.00	1.75	5.84	0.00		0.00		0.000	1.00		9.1 .50 2.91 L
							S		68.48	10.23	10.22	0.00	0.01	1.00S		0.948			
VLO	AC	HHZ		29.1	199	90	P		64.10	5.85	5.84	0.00	0.01	1.00		0.843	1.00	34	2.86 D
SRN	AC	HHE		98.8	160	62	S		89.59	31.34	31.41	0.00	-0.07	0.00S		0.000			
SRN	AC	HHZ		98.8	160	62	P		76.32	18.07	17.95	0.00	0.12	0.00		0.000	1.00	29	2.83 D
KBN	AC	HHZ		100.5	95	62	P		76.52	18.27	18.24	0.00	0.03	0.00		0.414	1.00	31	2.89 D
KBN	AC	HHN		100.5	95	62	S		89.88	31.63	31.92	0.00	-0.29	0.00S		0.000			
LSK	AC	HHN		105.2	126	62	S		91.55	33.30	33.34	0.00	-0.04	0.00S		0.000			
LSK	AC	HHZ		105.2	126	62	P		77.66	19.41	19.05	0.00	0.36	0.00		0.000	1.00	29	2.83 D
SCTE	AC	HHN		119.8	235	62	S		96.34	38.09	37.73	0.00	0.36	0.00S		0.000			
SCTE	AC	HHZ		119.8	235	62	P		79.59	21.34	21.56	0.00	-0.22	0.00		0.000			
PHP	AC	HHZ		128.3	32	62	P		81.62	23.37	23.02	0.00	0.35	0.00		0.000			
PHP	AC	HHN		128.3	32	62	S		98.42	40.17	40.28	0.00	-0.11	0.00S		0.000			
IGT	AC	HHZ		145.4	154	62	P		84.17	25.92	25.95	0.00	-0.03	0.00		0.000			
PUK	AC	HHZ		149.2	9	62	P		84.35	26.10	26.61	0.00	-0.51*	0.00		0.000			
PUK	AC	HHE		149.2	9	62	S		104.47	46.22	46.57	0.00	-0.35	0.00S		0.000			

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2015-01-10 0352 58.96 40 16.09 19E43.07 20.53 0.14 0.57 7.08 2.68

SOURCE

NSTA NPHS DMIN MODEL GAP ITR NFM NWR NWS NVR REMRKS-AVH N.XMG-XMMAD-T N.FMG-FMMAD-T L F X
 11 16 29.2 At1 110 6 0 11 5 11 - 0.00 0.00 L 3.00 0.07 D

REGION= Brataj, Rajoni Vlorës (Brataj, Vlora Region, Albania)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
VLO	AC	HHZ		29.2	320	90	P		65.02	6.06	6.22	0.00	-0.16	1.12		0.627	1.00	22	2.61 D
VLO	AC	HHE		29.2	320	90	S		70.05	11.09	10.88	0.00	0.20	1.12S		0.915			
SRN	AC	HHZ		49.4	150	90	P		68.46	9.50	9.44	0.00	0.06	1.12		0.323	1.00	22	2.68 D
SRN	AC	HHN		49.4	150	90	S		75.47	16.51	16.52	0.00	-0.01	1.12S		0.401			
LSK	AC	HHZ		76.1	99	90	P		72.49	13.53	13.71	0.00	-0.18	1.12		0.217	1.00	26	2.84 D
LSK	AC	HHE		76.1	99	90	S		82.95	23.99	23.99	0.00	0.00	1.12S		0.404			
IGT	AC	HHZ		97.1	147	90	P		76.20	17.24	17.05	0.00	0.19	1.12		0.175			
SCTE	AC	HHZ		108.5	260	90	P		77.88	18.92	18.87	0.00	0.05	1.11		0.242			
SCTE	AC	HHN		108.5	260	90	S		91.83	32.87	33.02	0.00	-0.15	1.11S		0.505			
FNA	AC	HHN		152.3	67	90	P		84.99	26.03	25.85	0.00	0.18	0.58		0.096			
FNA	AC	HHE		152.3	67	90	S		103.92	44.96	45.24	0.00	-0.28	0.37S		0.084			

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2015-01-11 0245 8.71 41 20.25 20E 9.20 2.83 0.07 1.76 2.03 2.42

SOURCE

NSTA NPHS DMIN MODEL GAP ITR NFM NWR NWS NVR REMRKS-AVH N.XMG-XMMAD-T N.FMG-FMMAD-T L F X
 6 9 24.2 At1 242 5 0 6 3 6 - 0.00 0.00 L 3.00 0.12 D

REGION= Shëngjergj, Rajoni Tiranës (Shëngjergj, Tirana Region, Albania)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
TIR	AC	HHZ		24.2	273	92	P		13.72	5.01	4.89	0.00	0.12	1.00		0.497	1.00	9	1.71 D
TIR	AC	HHN		24.2	273	92	S		17.21	8.50	8.56	0.00	-0.06	1.00S		0.835			
PHP	AC	HHZ		45.4	31	62	P		17.37	8.66	8.71	0.00	-0.05	1.00		0.497	1.00	19	2.42 D
PHP	AC	HHN		45.4	31	62	S		23.99	15.28	15.24	0.00	0.04	1.00S		0.835			
PUK	AC	HHZ		81.3	345	62	P		23.50	14.79	14.88	0.00	-0.09	1.00		0.497	1.00	21	2.54 D
PUK	AC	HHN		81.3	345	62	S		34.78	26.07	26.04	0.00	0.03	1.00S		0.835			

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2015-01-11 0648 53.08 41 19.24 20E 9.92 2.86 0.01 3.01 1.27 2.22

SOURCE

NSTA NPHS DMIN MODEL GAP ITR NFM NWR NWS NVR REMRKS-AVH N.XMG-XMMAD-T N.FMG-FMMAD-T L F X
 6 9 25.3 At1 248 7 0 5 3 6 - 0.00 0.00 L 3.00 0.13 D
 REGION= Shëngjergj, Rajoni Tiranës (Shëngjergj, Tirana Region, Albania)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
TIR	AC	HHZ		25.3	277	92	P		58.19	5.11	5.12	0.00	-0.01	1.20		0.623	1.00	14	2.09 D
TIR	AC	HHN		25.3	277	92	S		62.03	8.95	8.96	0.00	-0.01	1.20S		0.876			
PHP	AC	HHZ		46.5	29	62	P		61.99	8.91	8.90	0.00	0.01	1.20		0.623	1.00	15	2.22 D
PHP	AC	HHN		46.5	29	62	S		68.65	15.57	15.57	0.00	0.00	1.20S		0.876			
PUK	AC	HHZ		83.3	345	62	P		68.06	14.98	15.23	0.00	-0.25	0.02		0.000	1.00	20	2.50 D
PUK	AC	HHN		83.3	345	62	S		79.74	26.66	26.65	0.00	0.01	1.20S		0.999			

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2015-01-11 0817 55.40 40 49.03 20E35.67 1.01 0.28 0.57 1.50 3.01 3.39

SOURCE

NSTA NPHS DMIN MODEL GAP ITR NFM NWR NWS NVR REMRKS-AVH N.XMG-XMMAD-T N.FMG-FMMAD-T L F X
 14 21 27.0 At1 108 5 0 12 6 14 # 2.00 1.54 L 4.00 0.11 D
 REGION= Leshnicë, Rajoni Pogradec (Leshnica, Pogradeci Region, Albania)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
KBN	AC	HHZ		27.0	142	61	P		61.51	6.11	5.64	0.00	0.47	1.25		0.325	1.00	58	3.30 D
KBN	AC	HHN		27.0	142	61	S	6	60.00	4.60	5.64	0.00		0.00		0.000	1.00		35 .37 3.47 L
							S		65.54	10.14	9.87	0.00	0.27	1.25S		0.284			
FNA	AC	HHZ		66.7	93	51	P		67.70	12.30	12.72	0.00	-0.42	1.25		0.277			
FNA	AC	HHN		66.7	93	51	S		77.80	22.40	22.26	0.00	0.14	1.25S		0.596			
LSK	AC	HHZ		74.1	179	51	P		69.09	13.69	13.99	0.00	-0.30	1.25		0.203			
LSK	AC	HHN		74.1	179	51	S		79.73	24.33	24.48	0.00	-0.15	1.25S		0.416			
TIR	AC	HHZ		85.0	315	51	P		71.42	16.02	15.87	0.00	0.15	1.25		0.339	1.00	33	2.92 D
TIR	AC	HHN		85.0	315	51	S	6	60.00	4.60	15.87	0.00		0.00		0.000	1.00		9259 .07 6.55 L
							S		83.42	28.02	27.77	0.00	0.25	1.25S		0.447			
PHP	AC	HHZ		97.2	353	51	P		72.68	17.28	17.96	0.00	-0.38	0.42		0.037	1.00	65	3.51 D
PHP	AC	HHN		97.2	353	51	S		87.16	31.76	31.43	0.00	0.33	1.25S		0.456			

SRN	AC	HHZ	115.7	207	51	P	76.55	21.15	21.13	0.00	0.02	1.10	0.205	1.00	61	3.47	D
SRN	AC	HHN	115.7	207	51	S	92.42	37.02	36.98	0.00	0.04	1.10S	0.409				
BCI	AC	HHZ	177.6	346	46	P	86.75	31.35	31.46	0.00	-0.11	0.04	0.000				
BCI	AC	HHN	177.6	346	46	S	110.60	55.20	55.06	0.00	0.15	0.04S	0.000				

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015-01-13	1618	49.04	41	17.20	20E 0.48	1.23	0.05	0.64	2.19		3.15	

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L	F	X	
18	27	13.8	Atl	138	7	0	5	2	18		0.00	0.00	L	5.00	0.09	D

REGION= Tiranë, Rajoni Tiranës (Tirana, Tirana Region, Albania)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T	
TIR	AC	HHE		13.8	300	61	S		54.16	5.12	5.16	0.00	-0.04	1.03S		0.887				
TIR	AC	HHZ		13.8	300	61	P		52.05	3.01	2.95	0.00	0.06	1.03		0.655	1.00	36	2.83	D
ELB	AC	HHN		20.5	162	61	S		56.00	6.96	7.45	0.00	-0.49	0.00S		0.000				
ELB	AC	HHZ		20.5	162	61	P		53.30	4.26	4.26	0.00	0.00	1.03		1.000				
PHP	AC	HHN		57.1	39	51	S		68.16	19.12	19.07	0.00	0.05	0.95S		0.866				
PHP	AC	HHZ		57.1	39	51	P		59.86	10.82	10.90	0.00	-0.08	0.95		0.590	1.00	37	3.00	D
PUK	AC	HHE		84.5	354	51	S		76.00	26.96	27.32	0.00	-0.36	0.00S		0.000				
PUK	AC	HHZ		84.5	354	51	P		64.13	15.09	15.61	0.00	-0.52*	0.00		0.000	1.00	43	3.15	D
KBN	AC	HHE		98.6	138	51	S		81.57	32.53	31.57	0.00	0.96*	0.00S		0.000				
KBN	AC	HHZ		98.6	138	51	P		66.73	17.69	18.04	0.00	-0.35	0.00		0.000	1.00	47	3.24	D
VLO	AC	HHN		100.6	206	51	S		81.61	32.57	32.15	0.00	0.42	0.00S		0.000				
VLO	AC	HHZ		100.6	206	51	P		68.09	19.05	18.37	0.00	0.68*	0.00		0.000				
BCI	AC	HHZ		120.1	2	51	P		69.43	20.39	21.72	0.00	-1.33*	0.00		0.000				
BCI	AC	HHE		120.1	2	51	S		88.41	39.37	38.01	0.00	1.36*	0.00S		0.000				
LSK	AC	HHN		135.7	158	51	S		92.75	43.71	42.74	0.00	0.98*	0.00S		0.000				
LSK	AC	HHZ		135.7	158	51	P		73.41	24.37	24.42	0.00	-0.05	0.00		0.000				
SRN	AC	HHE		156.2	181	46	S		96.70	47.66	48.77	0.00	-1.11*	0.00S		0.000				
SRN	AC	HHZ		156.2	181	46	P		77.94	28.90	27.87	0.00	1.03*	0.00		0.000	1.00	43	3.21	D

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015-01-13	1709	14.53	41	14.29	19E57.60	7.73	0.04	2.82	9.51		2.09	

SOURCE

NSTA NPHS DMIN MODEL GAP ITR NFM NWR NWS NVR REMRKS-AVH N.XMG-XMMAD-T N.FMG-FMMAD-T L F X
 6 9 14.5 At1 289 8 0 5 3 6 - 0.00 0.00 L 2.00 0.26 D
 REGION= 12 km JL të Tiranë, Rajoni Tiranës (12 km SE of Tirana, Tirana Region, Albania)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
TIR	AC	HHZ		14.5	327	106	P		17.74	3.21	3.17	0.00	0.04	1.31		0.684	1.00	11	1.83 D
TIR	AC	HHE		14.5	327	106	S		20.05	5.52	5.55	0.00	-0.03	1.31S		0.897			
PHP	AC	HHZ		63.8	38	91	P		26.07	11.54	11.60	0.00	-0.06	1.11		0.561	1.00	17	2.34 D
PHP	AC	HHN		63.8	38	91	S		34.86	20.33	20.30	0.00	0.03	1.11S		0.856			
PUK	AC	HHZ		89.5	357	91	P		30.27	15.74	16.03	0.00	-0.29	0.00		0.000			
PUK	AC	HHN		89.5	357	91	S		42.62	28.09	28.05	0.00	0.04	0.18S		1.000			

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015-01-13			2235	41.22	40 12.58	20E44.98	2.07	0.08	1.42	1.22		2.53

SOURCE

NSTA NPHS DMIN MODEL GAP ITR NFM NWR NWS NVR REMRKS-AVH N.XMG-XMMAD-T N.FMG-FMMAD-T L F X
 10 15 14.5 At1 166 7 0 8 4 10 0.00 0.00 L 3.00 0.08 D
 REGION= 12 km VL të Leskovikut, Rajoni Leskovikut (12 km SE of Leskoviku, Leskoviku Region, Albania)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
LSK	AC	HHZ		14.5	243	61	P		44.42	3.20	3.11	0.00	0.09	1.48		0.593	1.00	23	2.45 D
LSK	AC	HHN		14.5	243	61	S		46.63	5.41	5.44	0.00	-0.03	1.48S		0.657			
KBN	AC	HHZ		46.1	3	51	P		50.13	8.91	9.03	0.00	-0.12	1.48		0.538	1.00	24	2.62 D
KBN	AC	HHE		46.1	3	51	S		57.08	15.86	15.80	0.00	0.06	1.48S		0.838			
SRN	AC	HHZ		73.7	241	51	P		54.53	13.31	13.77	0.00	-0.46	0.00		0.000	1.00	21	2.53 D
SRN	AC	HHE		73.7	241	51	S		65.24	24.02	24.10	0.00	-0.08	0.84S		0.460			
FNA	AC	HHZ		83.2	40	51	P		56.75	15.53	15.41	0.00	0.12	0.42		0.191			
FNA	AC	HHE		83.2	40	51	S		68.26	27.04	26.97	0.00	0.07	0.42S		0.447			
IGT	AC	HHZ		83.4	206	51	P		56.62	15.40	15.45	0.00	-0.05	0.41		0.273			
IGT	AC	HHN		83.4	206	51	S		68.91	27.69	27.04	0.00	0.65*	0.00S		0.000			

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015-01-15			2323	57.20	41 18.33	19E55.80	10.03	0.30	0.68	0.89	1.88	2.34

SOURCE

NSTA NPHS DMIN MODEL GAP ITR NFM NWR NWS NVR REMRKS-AVH N.XMG-XMMAD-T N.FMG-FMMAD-T L F X
 11 16 7.2 At1 155 10 0 10 5 10 # 4.00 0.08 L 3.00 0.02 D
 REGION= Tiranë, Rajoni Tiranës (Tirana, Tirana Region, Albania)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
TIR	AC	HHZ		7.2	311	140	P		59.61	2.41	2.34	0.00	0.07	1.60		0.301	1.00	19	2.26 D
TIR	AC	HHN		7.2	311	140	S		61.15	3.95	4.09	0.00	-0.14	1.60S		0.682			
TIR	AC	HHE		7.2	311	140		6	60.00	2.80	2.34	0.00		0.00		0.000	1.00		1.4 .36 1.82 L
PHP	AC	HHZ		60.0	45	94	P		67.75	10.55	10.96	0.00	-0.41	1.60		0.179	1.00	17	2.34 D
PHP	AC	HHN		60.0	45	94		6	60.00	2.80	10.96	0.00		0.00		0.000	1.00		0.43 .10 1.94 L
							S		76.14	18.94	19.18	0.00	-0.24	1.60S		0.654			
PUK	AC	HHZ		81.9	358	93	P		72.00	14.80	14.73	0.00	0.07	1.60		0.149	1.00	17	2.36 D
PUK	AC	HHN		81.9	358	93		6	60.00	2.80	14.73	0.00		0.00		0.000	1.00		0.31 .21 2.05 L
							S		83.34	26.14	25.78	0.00	0.36	1.60S		0.245			
KBN	AC	HHN		104.6	136	92	S		90.33	33.13	32.58	0.00	0.54*	1.60S		0.621			
BCI	AC	HHZ		118.4	5	78	P		78.25	21.05	20.99	0.00	0.06	1.60		0.216			
BCI	AC	HHE		118.4	5	78		6	60.00	2.80	20.99	0.00		0.00		0.000	1.00		0.09 .36 1.79 L
							S		94.05	36.85	36.73	0.00	0.12	1.60S		0.367			
LSK	AC	HHZ		140.2	156	68	P		81.24	24.04	24.50	0.00	-0.46	1.60		0.581			

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2015-01-16 0255 41.28 41 42.16 20E 0.19 1.52 0.06 0.48 1.21 1.87 2.21

SOURCE

NSTA NPHS DMIN MODEL GAP ITR NFM NWR NWS NVR REMRKS-AVH N.XMG-XMMAD-T N.FMG-FMMAD-T L F X
 8 12 36.5 At1 150 7 0 7 4 8 3.00 0.31 L 3.00 0.05 D
 REGION= Burrel, Rajoni Burrelit (Burrel, Burreli Region, Albania)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
PHP	AC	HHN		36.5	92	51		6	0.00-41.28	7.32	0.00			0.00		0.000	1.00		1.5 .14 2.18 L
							S		54.07	12.79	12.81	0.00	-0.02	1.00S		0.811			
PHP	AC	HHZ		36.5	92	51	P		48.68	7.40	7.32	0.00	0.08	1.00		0.492	1.00	18	2.35 D
PUK	AC	HHN		38.9	347	51	S		54.84	13.56	13.53	0.00	0.03	1.00S		0.502			
PUK	AC	HHZ		38.9	347	51	P		49.06	7.78	7.73	0.00	0.05	1.00		0.402	1.00	15	2.21 D
TIR	AC	HHE		41.1	197	51		6	0.00-41.28	8.11	0.00			0.00		0.000	1.00		0.15 .23 1.24 L
							S		55.47	14.19	14.19	0.00	0.00	1.00S		0.987			
TIR	AC	HHZ		41.1	197	51	P		48.99	7.71	8.11	0.00	-0.40	0.00		0.000	1.00	14	2.16 D
BCI	AC	HHN		73.9	4	51		6	60.00	18.72	13.76	0.00		0.00		0.000	1.00		0.24 .31 1.87 L

					S	65.35	24.07	24.08	0.00	-0.01	1.00S	0.448	
BCI	AC	HHZ	73.9	4	51	P	54.91	13.63	13.76	0.00	-0.13	1.00	0.355

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015	01	18	1538	43.36	40 43.21	20E37.23	19.72	0.05	1.31	0.47	1.78	2.17

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L	F	X	
10	14	17.7	Atl	171	7	0	6	4	9		2.00	0.41	L	2.00	0.14	D

REGION= Maliq, Rajoni Maliqit (Maliq, Maliqi Region, Albania)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T				
KBN	AC	HHZ		17.7	127	135	P		48.17	4.81	4.76	0.00	0.05	1.17		0.529	1.00	12	2.03	D			
KBN	AC	HHN		17.7	127	135		6	0.00-43.36	4.76	0.00			0.00		0.000	1.00		0.25	.34	1.37	L	
							S		51.64	8.28	8.33	0.00	-0.05	1.17S		0.811							
KBN	AC	HHE		17.7	127	135		6	0.00-43.36	4.76	0.00			0.00		0.000	1.00		1.6	.31	2.19	L	
LSK	AC	HHZ		63.4	182	71	P		54.97	11.61	11.69	0.00	-0.08	1.16		0.530	1.00	14	2.30	D			
LSK	AC	HHE		63.4	182	71	S		63.85	20.49	20.46	0.00	0.03	1.16S		0.809							
FNA	AC	HHZ		64.8	83	71	P		55.67	12.31	11.92	0.00	0.39	0.00		0.000							
FNA	AC	HHN		64.8	83	71	S		64.21	20.85	20.86	0.00	-0.01	1.16S		0.999							
PHP	AC	HHZ		108.2	353	71	P		62.59	19.23	18.83	0.00	0.40	0.00		0.000							
PHP	AC	HHN		108.2	353	71	S		76.43	33.07	32.95	0.00	0.12	0.18S		0.319							
IGT	AC	HHZ		134.3	191	71	P		66.54	23.18	23.00	0.00	0.18	0.00		0.000							

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015	01	20	0012	18.40	41 38.35	19E59.05	1.03	0.11	0.49	1.51	2.36	2.36

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L	F	X	
8	12	33.9	Atl	153	5	0	8	4	8	#	3.00	0.16	L	3.00	0.02	D

REGION= 14 km VP të Burrelit, Rajoni Burrelit (14 km NW of Burreli, Burreli Region, Albania)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T				
TIR	AC	HHZ		33.9	198	61	P		25.27	6.87	6.97	0.00	-0.10	1.05		0.466	1.00	18	2.34	D			
TIR	AC	HHN		33.9	198	61		6	0.00-18.40	6.97	0.00			0.00		0.000	1.00		0.08	.30	0.90	L	
							S		30.67	12.27	12.20	0.00	0.07	1.05S		0.824							
PHP	AC	HHZ		38.4	82	61	P		26.49	8.09	7.84	0.00	0.25	0.62		0.205	1.00	18	2.36	D			

PHP	AC	HHN	38.4	82	61	6	0.00-18.40	7.84	0.00	0.00	0.000	1.00				0.16	.14	1.24	L
						S	32.00	13.60	13.72	0.00	-0.12	1.05S	0.894						
PUK	AC	HHZ	45.5	351	51	P	27.47	9.07	9.07	0.00	0.00	1.05	0.362	1.00	25	2.65	D		
PUK	AC	HHN	45.5	351	51	6	0.00-18.40	9.07	0.00	0.00	0.000	1.00				0.09	.28	1.06	L
						S	34.25	15.85	15.87	0.00	-0.02	1.05S	0.484						
BCI	AC	HHZ	81.1	4	51	P	33.42	15.02	15.19	0.00	-0.17	1.05	0.330						
BCI	AC	HHN	81.1	4	51	S	45.10	26.70	26.58	0.00	0.12	1.05S	0.430						

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015-01-20	0747	57.83	41	57.79	20E12.67	6.14	0.14	0.82	17.14		2.30	

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L	F	X	
7	10	27.8	At1	162	5	0	7	3	7	-	0.00	0.00	L	3.00	0.09	D

REGION= Kurbnesh, Rajoni Matit (Kurbnesh Mati Region, Albania)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
PUK	AC	HHE	27.8	289	90	S	67.44	9.61	9.47	0.00	0.14	1.00S	0.544						
PUK	AC	HHZ	27.8	289	90	P	63.23	5.40	5.41	0.00	-0.01	1.00	0.223	1.00	16	2.21	D		
PHP	AC	HHN	36.3	148	90	S	69.83	12.00	12.02	0.00	-0.02	1.00S	0.618						
PHP	AC	HHZ	36.3	148	90	P	64.85	7.02	6.87	0.00	0.15	1.00	0.349	1.00	17	2.30	D		
BCI	AC	HHN	46.4	346	90	S	73.00	15.17	15.03	0.00	0.14	1.00S	0.663						
BCI	AC	HHZ	46.4	346	90	P	66.22	8.39	8.59	0.00	-0.20	1.00	0.335	1.00	19	2.42	D		
SDA	AC	HHZ	59.5	280	90	P	68.50	10.67	10.86	0.00	-0.19	1.00	0.264						

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015-01-21	0955	11.59	40	27.48	20E 6.93	7.06	0.19	0.39	1.86	2.38		

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L	F	X	
18	27	52.6	At1	83	8	0	17	9	18		5.00	0.09	L	0.00	0.00	D

REGION= Tepelenë, Rajoni Tepelenës (Tepelena, Tepelena Region, Albania)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
VLO	AC	HHZ	52.6	272	91	P	21.40	9.81	9.67	0.00	0.14	1.00	0.204						
VLO	AC	HHN	52.6	272	91	6	0.00-11.59	9.67	0.00	0.00	0.000	1.00				3.9	.20	2.79	L
						S	28.44	16.85	16.92	0.00	-0.07	1.00S	0.405						

LSK	AC	HHZ	53.5	129	91	P	21.14	9.55	9.82	0.00	-0.27	1.00	0.104						
LSK	AC	HHN	53.5	129	91	S	28.51	16.92	17.18	0.00	-0.26	1.00S	0.218						
KBN	AC	HHN	59.8	71	91	6	0.00-11.59	10.92	0.00			0.00	0.000	1.00		1.1	.40	2.33	L
						S	31.00	19.41	19.11	0.00	0.30	1.00S	0.261						
KBN	AC	HHZ	59.8	71	91	P	22.39	10.80	10.92	0.00	-0.12	1.00	0.124						
SRN	AC	HHZ	64.9	189	91	P	23.28	11.69	11.80	0.00	-0.11	1.00	0.132						
SRN	AC	HHE	64.9	189	91	6	0.00-11.59	11.80	0.00			0.00	0.000	1.00		0.71	.51	2.23	L
						S	32.52	20.93	20.65	0.00	0.28	1.00S	0.263						
TIR	AC	HHZ	101.0	349	90	P	29.38	17.79	17.99	0.00	-0.20	1.00	0.177						
TIR	AC	HHE	101.0	349	90	6	0.00-11.59	17.99	0.00			0.00	0.000	1.00		0.57	.47	2.47	L
						S	43.31	31.72	31.48	0.00	0.24	1.00S	0.353						
IGT	AC	HHZ	104.5	169	90	P	30.20	18.61	18.58	0.00	0.03	1.00	0.120						
IGT	AC	HHE	104.5	169	90	S	44.26	32.67	32.51	0.00	0.15	1.00S	0.252						
FNA	AC	HHZ	113.2	71	90	P	31.65	20.06	20.07	0.00	-0.01	1.00	0.116						
FNA	AC	HHN	113.2	71	90	S	46.79	35.20	35.12	0.00	0.08	1.00S	0.246						
PHP	AC	HHZ	138.9	11	68	P	35.31	23.72	24.49	0.00	-0.77*	0.00	0.000						
PHP	AC	HHN	138.9	11	68	6	0.00-11.59	24.49	0.00			0.00	0.000	1.00		0.251	.03	2.38	L
						S	54.70	43.11	42.86	0.00	0.25	1.00S	0.432						
PUK	AC	HHZ	177.0	355	68	P	41.89	30.30	30.56	0.00	-0.26	1.00	0.157						
PUK	AC	HHN	177.0	355	68	S	64.95	53.36	53.48	0.00	-0.12	1.00S	0.429						

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
2015-01-22 1831 21.22 41 11.99 20E29.44 0.02 0.63 1.51 3.28 2.99

SOURCE

NSTA NPHS DMIN MODEL GAP ITR NFM NWR NWS NVR REMRKS-AVH N.XMG-XMMAD-T N.FMG-FMMAD-T L F X
14 21 54.0 Atl 125 9 0 14 7 14 # 0.00 0.00 L 3.00 0.17 D
REGION= 14 km L të Librazhdit, Rajoni Librazhdit (14 km E of Librazhdi, Librazhdi Region, Albania)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
PHP	AC	HHN		54.0	356	51	S		40.28	19.06	18.44	0.00	0.61*	1.00S		0.311			
PHP	AC	HHZ		54.0	356	51	P		31.49	10.27	10.54	0.00	-0.27	1.00		0.193	1.00	37	2.99 D
TIR	AC	HHN		54.9	288	51	S		39.05	17.83	18.73	0.00	-0.90*	1.00S		0.397			
TIR	AC	HHZ		54.9	288	51	P		31.16	9.94	10.70	0.00	-0.76*	1.00		0.234	1.00	30	2.82 D
FNA	AC	HHN		88.3	121	51	S		49.39	28.17	28.75	0.00	-0.58*	1.00S		0.576			
FNA	AC	HHZ		88.3	121	51	P		37.30	16.08	16.43	0.00	-0.35	1.00		0.296			
PUK	AC	HHE		106.1	333	51	S		56.02	34.80	34.09	0.00	0.71*	1.00S		0.246			
PUK	AC	HHZ		106.1	333	51	P		40.03	18.81	19.48	0.00	-0.67*	1.00		0.174	1.00	44	3.19 D

BCI	AC	HHE	134.3	345	51	S	63.98	42.76	42.58	0.00	0.18	1.00S	0.265
BCI	AC	HHZ	134.3	345	51	P	46.11	24.89	24.33	0.00	0.56*	1.00	0.179
SRN	AC	HHE	152.3	196	51	S	69.75	48.53	48.00	0.00	0.53*	1.00S	0.347
SRN	AC	HHZ	152.3	196	51	P	49.46	28.24	27.43	0.00	0.81*	1.00	0.233
IGT	AC	HHN	185.7	185	46	S	79.33	58.11	57.33	0.00	0.78*	1.00S	0.366
IGT	AC	HHZ	185.7	185	46	P	53.38	32.16	32.76	0.00	-0.60*	1.00	0.177

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015-01-24	0556	39.84	41	32.34	19E41.94	3.80	0.17	9.04	15.53	2.45	2.87	

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L F X
8	12	25.4	At1	229	5	0	8	4	8	-	3.00	0.00 L	4.00 0.08 D

REGION= Mamurras, Rajoni Tiranë (Mamurras, Tirana Region, Albania)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
TIR	AC	HHZ		25.4	146	94	P		45.19	5.35	5.13	0.00	0.22	1.01		0.422	1.00	28	2.67 D
TIR	AC	HHN		25.4	146	94		6	0.00-39.84	5.13	0.00			0.00		0.000	1.00		3.7 .11 2.48 L
							S		48.65	8.81	8.98	0.00	-0.17	1.01S		0.675			
PUK	AC	HHZ		58.2	15	62	P		50.80	10.96	10.83	0.00	0.13	1.01		0.280	1.00	37	3.00 D
PUK	AC	HHN		58.2	15	62		6	0.00-39.84	10.83	0.00			0.00		0.000	1.00		1.4 .47 2.43 L
							S		58.97	19.13	18.95	0.00	0.18	1.01S		0.804			
PHP	AC	HHZ		63.9	75	62	P		51.55	11.71	11.81	0.00	-0.10	1.01		0.276	1.00	31	2.85 D
PHP	AC	HHN		63.9	75	62		6	60.00	20.16	11.81	0.00		0.00		0.000	1.00		1.2 .30 2.43 L
							S		60.62	20.78	20.67	0.00	0.11	1.01S		0.803			
BCI	AC	HHZ		96.9	18	62	P		57.17	17.33	17.47	0.00	-0.14	0.99		0.424	1.00	31	2.88 D
BCI	AC	HHN		96.9	18	62	S		70.14	30.30	30.57	0.00	-0.27	0.98S		0.312			

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015-01-24	1701	54.74	40	42.43	20E36.03	18.14	0.17	0.40	0.90	3.20		

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L F X
25	35	18.3	At1	65	7	0	15	7	22		9.00	0.16 L	0.00 0.00 D

REGION= 8 km P të Maliqit, Rajoni Korcës (14 km W of Maliqi, Korca Region, Albania)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
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REGION= Zejmen, Rajoni Lezhë (Zejmen, Lezha Region, Albania)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
PUK	AC	HHE		41.6	31	129		6	60.00	3.05	10.18	0.00		0.00		0.000	1.00		2.4 .20 2.67 L
							S		74.53	17.58	17.81	0.00	-0.23	1.08S		0.353			
PUK	AC	HHZ		41.6	31	129	P		67.08	10.13	10.18	0.00	-0.05	1.09		0.212			
PUK	AC	HHN		41.6	31	129		6	60.00	3.05	10.18	0.00		0.00		0.000	1.00		3.3 .23 2.82 L
TIR	AC	HHE		46.1	154	126		6	60.00	3.05	10.68	0.00		0.00		0.000	1.00		1.6 .51 2.53 L
							S		75.61	18.66	18.69	0.00	-0.03	1.09S		0.620			
TIR	AC	HHZ		46.1	154	126	P		67.75	10.80	10.68	0.00	0.12	1.09		0.299			
TIR	AC	HHN		46.1	154	126		6	60.00	3.05	10.68	0.00		0.00		0.000	1.00		1.2 .40 2.38 L
PHP	AC	HHN		67.6	93	111		6	60.00	3.05	13.35	0.00		0.00		0.000	1.00		0.92 .37 2.50 L
							S		80.42	23.47	23.36	0.00	0.11	1.09S		0.663			
PHP	AC	HHZ		67.6	93	111	P		70.75	13.80	13.35	0.00	0.45	0.00		0.000			
BCI	AC	HHN		80.0	26	105		6	60.00	3.05	15.03	0.00		0.00		0.000	1.00		0.37 .30 2.21 L
							S		83.41	26.46	26.30	0.00	0.16	1.09S		0.389			
BCI	AC	HHZ		80.0	26	105	P		71.95	15.00	15.03	0.00	-0.03	1.09		0.270			
BCI	AC	HHE		80.0	26	105		6	60.00	3.05	15.03	0.00		0.00		0.000	1.00		0.35 .43 2.18 L
FNA	AC	HHN		180.4	124	68	S		107.01	50.06	50.21	0.00	-0.15	0.94S		0.513			
FNA	AC	HHZ		180.4	124	68	P		85.54	28.59	28.69	0.00	-0.10	0.94		0.228			
LSK	AC	HHZ		192.8	154	68	P		87.53	30.58	30.35	0.00	0.23	0.81		0.226			
SRN	AC	HHZ		207.1	171	68	P		89.05	32.10	32.23	0.00	-0.13	0.68		0.222			

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015-01-30			1258	23.25	41 43.44	19E21.05	9.53	0.14	1.05	1.65		2.51

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L	F	X
8	12	59.9	Atl	235	5	0	8	4	8		0.00	0.00	L		

REGION= 12 km P të Lezhës, Rajoni Lezhë (12 km W of Lezha, Lezha Region, Albania)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
TIR	AC	HHN		59.9	134	94	S		42.23	18.98	19.14	0.00	-0.16	1.00S		0.548			
TIR	AC	HHZ		59.9	134	94	P		34.30	11.05	10.94	0.00	0.11	1.00		0.434	1.00	20	2.48 D
PHP	AC	HHN		90.8	92	92	S		51.75	28.50	28.44	0.00	0.06	1.00S		0.683			
PHP	AC	HHZ		90.8	92	92	P		39.65	16.40	16.25	0.00	0.15	1.00		0.155	1.00	20	2.51 D
BCI	AC	HHE		92.8	39	92	S		52.13	28.88	29.03	0.00	-0.15	1.00S		0.575			
BCI	AC	HHZ		92.8	39	92	P		39.97	16.72	16.59	0.00	0.13	1.00		0.432	1.00	22	2.59 D

SRN AC HHN 212.0 164 55 S 86.23 62.98 62.88 0.00 0.10 1.00S 0.785
 SRN AC HHZ 212.0 164 55 P 58.99 35.74 35.93 0.00 -0.19 1.00 0.385

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2015-01-30 2343 1.03 41 3.67 20E13.73 13.94 0.19 0.48 1.04 3.21

SOURCE

NSTA NPHS DMIN MODEL GAP ITR NFM NWR NWS NVR REMRKS-AVH N.XMG-XMMAD-T N.FMG-FMMAD-T L F X
 18 26 13.8 Atl 93 7 0 16 8 17 7.00 0.28 L 0.00 0.00 D
 REGION= 13 km JL të Elbasanit, Rajoni Elbasanit (13 km SE of Elbasani, Elbasani Region, Albania)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
ELBASAC	HHZ			13.8	297	131	P		4.75	3.72	3.62	0.00	0.10	1.01		0.467			
TIR	AC	HHE		44.1	317	102		6	0.00	-1.03	8.36	0.00		0.00		0.000	1.00		3.3 .36 2.63 L
							S		15.73	14.70	14.63	0.00	0.07	1.01S		0.333			
TIR	AC	HHZ		44.1	317	102	P		9.17	8.14	8.36	0.00	-0.22	1.01		0.179			
TIR	AC	HHN		44.1	317	102		6	0.00	-1.03	8.36	0.00		0.00		0.000	1.00		3.8 .72 2.70 L
PHP	AC	HHN		71.5	14	78		6	0.00	-1.03	12.97	0.00		0.00		0.000	1.00		2.5 .47 2.87 L
							S		23.56	22.53	22.70	0.00	-0.17	1.01S		0.221			
PHP	AC	HHZ		71.5	14	78	P		13.81	12.78	12.97	0.00	-0.19	1.01		0.113			
VLO	AC	HHE		90.4	224	78		6	0.00	-1.03	16.14	0.00		0.00		0.000	1.00		6.3 .50 3.43 L
							S		29.35	28.32	28.24	0.00	0.07	1.01S		0.373			
VLO	AC	HHZ		90.4	224	78	P		17.30	16.27	16.14	0.00	0.13	1.01		0.153			
FNA	AC	HHN		102.1	107	78	S		32.94	31.91	31.69	0.00	0.22	1.01S		0.461			
FNA	AC	HHZ		102.1	107	78	P		19.21	18.18	18.11	0.00	0.07	1.01		0.228			
LSK	AC	HHN		105.9	162	78		6	0.00	-1.03	18.76	0.00		0.00		0.000	1.00		3.0 .63 3.23 L
							S		33.58	32.55	32.83	0.00	-0.28	1.01S		0.261			
LSK	AC	HHZ		105.9	162	78	P		18.90	17.87	18.76	0.00	-0.49	0.00		0.000			
PUK	AC	HHN		112.6	346	68		6	0.00	-1.03	19.84	0.00		0.00		0.000	1.00		2.5 .30 3.21 L
							S		35.74	34.71	34.72	0.00	-0.01	1.01S		0.298			
PUK	AC	HHZ		112.6	346	68	P		20.60	19.57	19.84	0.00	-0.27	1.01		0.103			
SRN	AC	HHN		132.6	189	68	S		41.16	40.13	40.30	0.00	-0.17	1.01S		0.315			
SRN	AC	HHZ		132.6	189	68	P		24.41	23.38	23.03	0.00	0.35	0.91		0.108			
BCI	AC	HHN		145.6	355	68		6	0.00	-1.03	25.11	0.00		0.00		0.000	1.00		2.9 .80 3.49 L
							S		45.27	44.24	43.94	0.00	0.30	1.01S		0.278			
BCI	AC	HHZ		145.6	355	68	P		26.21	25.18	25.11	0.00	0.07	1.01		0.101			

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2015-01-30 2346 28.11 41 5.87 20E15.20 3.24 0.09 0.63 1.39 1.51 2.28

SOURCE

NSTA NPHS DMIN MODEL GAP ITR NFM NWR NWS NVR REMRKS-AVH N.XMG-XMMAD-T N.FMG-FMMAD-T L F X
 11 15 14.6 Atl 169 6 0 9 4 10 1.00 0.00 L 2.00 0.12 D
 REGION= 14 km L të Elbasanit, Rajoni Elbasanit (14 km E of Elbasani, Elbasani Region, Albania)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
ELBASAC	HHZ			14.6	278	96	P		31.24	3.13	3.05	0.00	0.08	1.01		0.773			
TIR	AC	HHZ		42.8	311	62	P		35.75	7.64	8.22	0.00	-0.58*	0.00		0.000	1.00	14	2.16 D
TIR	AC	HHE		42.8	311	62	S		42.54	14.43	14.39	0.00	0.05	1.01S		0.842			
TIR	AC	HHN		42.8	311	62		6	0.00-28.11	8.22	0.00			0.00		0.000	1.00		0.27 .18 1.51 L
PHP	AC	HHN		67.0	13	62	S		49.96	21.85	21.68	0.00	0.17	0.92S		0.426			
PHP	AC	HHZ		67.0	13	62	P		40.47	12.36	12.39	0.00	-0.03	1.01		0.251	1.00	18	2.39 D
FNA	AC	HHN		101.5	109	62	S		60.22	32.11	32.04	0.00	0.07	1.01S		0.717			
FNA	AC	HHZ		101.5	109	62	P		46.30	18.19	18.31	0.00	-0.12	1.01		0.346			
PUK	AC	HHE		109.2	345	62	S		62.32	34.21	34.35	0.00	-0.14	1.01S		0.324			
PUK	AC	HHZ		109.2	345	62	P		47.68	19.57	19.63	0.00	-0.06	1.01		0.146			
BCI	AC	HHZ		141.8	354	62	P		53.32	25.21	25.23	0.00	-0.02	1.01		0.170			

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2015-01-31 0248 38.28 41 53.86 19E35.27 19.20 0.11 0.62 0.63 2.57

SOURCE

NSTA NPHS DMIN MODEL GAP ITR NFM NWR NWS NVR REMRKS-AVH N.XMG-XMMAD-T N.FMG-FMMAD-T L F X
 15 21 30.0 Atl 214 18 0 9 5 13 4.00 0.19 L 0.00 0.00 D
 REGION= Gjadër, Rajoni Shkodër (Gjadri, Shkodra Region, Albania)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
PUK	AC	HHZ		30.0	57	118	P		45.14	6.86	6.37	0.00	0.49	0.00		0.000			
PUK	AC	HHE		30.0	57	118	S		49.40	11.12	11.15	0.00	-0.03	1.41S		0.691			
PUK	AC	HHN		30.0	57	118		6	0.00-38.28	6.37	0.00			0.00		0.000	1.00		5.8 .30 2.81 L
TIR	AC	HHZ		65.3	159	100	P		50.29	12.01	12.02	0.00	-0.01	1.41		0.356			
TIR	AC	HHN		65.3	159	100	S		59.41	21.13	21.03	0.00	0.10	1.41S		0.641			
TIR	AC	HHE		65.3	159	100		6	60.00	21.72	12.02	0.00		0.00		0.000	1.00		1.0 .50 2.42 L
BCI	AC	HHZ		65.5	37	100	P		50.18	11.90	12.05	0.00	-0.15	1.41		0.447			
BCI	AC	HHN		65.5	37	100		6	0.00-38.28	12.05	0.00			0.00		0.000	1.00		2.0 .40 2.71 L

					S	59.60	21.32	21.09	0.00	0.23	1.33S	0.409							
PHP	AC	HHZ	74.7	108	71	P	51.78	13.50	13.53	0.00	-0.03	1.41	0.281						
PHP	AC	HHN	74.7	108	71	6	60.00	21.72	13.53	0.00		0.00	0.000	1.00		0.68	.34	2.35	L
						S	61.92	23.64	23.68	0.00	-0.04	1.41S	0.823						
VLO	AC	HHZ	158.9	183	71	P	65.52	27.24	26.95	0.00	0.29	0.40	0.077						
VLO	AC	HHN	158.9	183	71	S	85.44	47.16	47.16	0.00	0.00	0.67S	0.266						
FNA	AC	HHZ	194.8	128	57	P	70.85	32.57	32.59	0.00	-0.02	0.07	0.001						
FNA	AC	HHE	194.8	128	57	S	95.36	57.08	57.03	0.00	0.05	0.07S	0.002						
LSK	AC	HHZ	211.9	156	51	P	73.23	34.95	34.95	0.00	0.00	0.00	0.000						

Tërmetet Rajonalë (Parametric Data for Regional Events recorded by ASN)

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015	01	03	2217	2.34	42 27.37	19E17.42	6.72	0.22	1.39	20.00	2.63	3.08

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L	F	X	
11	16	48.3	Atl	300	21	0	9	4	10	-	3.00	0.21	L	4.00	0.05	D

REGION= Mali i Zi (Montenegro)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T			
SDA	AC	HHN		48.3	158	91	S		17.83	15.49	15.64	0.00	-0.15	1.17S		0.816						
SDA	AC	HHZ		48.3	158	91	P		11.20	8.86	8.94	0.00	-0.08	1.17		0.436						
BCI	AC	HHN		64.7	98	90	S		22.82	20.48	20.56	0.00	-0.08	1.17S		0.693						
BCI	AC	HHZ		64.7	98	90	P		14.16	11.82	11.75	0.00	0.07	1.17		0.392	1.00	41	3.09	D		
BCI	AC	HHE		64.7	98	90	6		0.00	-2.34	11.75	0.00		0.00		0.000	1.00		2.9	.28	2.84	L

PUK	AC	HHN	67.7	132	90	6	0.00	-2.34	12.25	0.00	0.00	0.000	1.00			1.0	.11	2.42	L	
						S	23.65	21.31	21.44	0.00	-0.13	1.17S	0.449							
PUK	AC	HHZ	67.7	132	90	P	14.67	12.33	12.25	0.00	0.08	1.17	0.221	1.00	37	3.01	D			
PHP	AC	HHN	128.1	131	90	6	0.00	-2.34	22.64	0.00	0.00	0.000	1.00			0.53	.41	2.63	L	
						S	42.80	40.46	39.62	0.00	0.44	0.03S	0.000							
PHP	AC	HHZ	128.1	131	90	P	25.27	22.93	22.64	0.00	0.29	1.17	0.218	1.00	44	3.21	D			
TIR	AC	HHN	132.0	158	90	S	43.48	41.14	40.79	0.00	0.35	1.17S	0.628							
TIR	AC	HHZ	132.0	158	90	P	25.00	22.66	23.31	0.00	-0.35	0.14	0.143	1.00	37	3.06	D			

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015-01-04			1354	53.64	41 12.02	20E54.84	4.72	0.16	0.70	1.97	2.37	

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L F X
12	17	61.0	Atl	175	8	0	11	5	11		3.00	0.07 L	0.00 0.00 D

REGION= Maqedoni (Macedonia)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T		
FNA	AC	HHZ		61.0	139	62	P		65.16	11.52	11.23	0.00	0.29	1.15		0.369					
FNA	AC	HHE		61.0	139	62	S		73.20	19.56	19.65	0.00	-0.09	1.15S		0.733					
KBN	AC	HHZ		64.9	190	62	P		65.49	11.85	11.90	0.00	-0.05	1.15		0.382					
KBN	AC	HHE		64.9	190	62	S		74.38	20.74	20.82	0.00	-0.09	1.15S		0.578					
KBN	AC	HHN		64.9	190	62		6	60.00	6.36	11.90	0.00		0.00		0.000	1.00	1.2	.47	2.46	L
PHP	AC	HHZ		66.8	324	62	P		65.90	12.26	12.21	0.00	0.05	1.15		0.303					
PHP	AC	HHN		66.8	324	62		6	60.00	6.36	12.21	0.00		0.00		0.000	1.00	0.78	.18	2.30	L
							S		75.02	21.38	21.37	0.00	0.01	1.15S		0.407					
TIR	AC	HHZ		89.4	281	62	P		69.26	15.62	16.11	0.00	-0.49	0.49		0.066					
TIR	AC	HHN		89.4	281	62	S		81.98	28.34	28.19	0.00	0.15	1.15S		0.499					
LSK	AC	HHZ		119.7	193	62	P		75.51	21.87	21.30	0.00	0.57*	0.13		0.005					
PUK	AC	HHZ		126.5	319	62	P		75.86	22.22	22.48	0.00	-0.26	1.15		0.294					
PUK	AC	HHE		126.5	319	62		6	60.00	6.36	22.48	0.00		0.00		0.000	1.00	0.30	.30	2.37	L
							S		93.00	39.36	39.34	0.00	0.02	1.15S		0.359					

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015-01-04			2210	35.96	40 44.96	21E40.21	18.46	0.20	1.62	0.92	3.28	

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L F X
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22 31 24.4 Atl 140 8 0 10 5 19 7.00 0.09 L 0.00 0.00 D
 REGION= Greqi (Greece)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
FNA	AC	HHZ		24.4	279	122	P		41.51	5.55	5.50	0.00	0.05	1.46		0.341			
FNA	AC	HHN		24.4	279	122	S		45.51	9.55	9.63	0.00	-0.08	1.46S		0.663			
KBN	AC	HHZ		75.9	260	71	P		50.04	14.08	13.76	0.00	0.32	1.43		0.245			
KBN	AC	HHN		75.9	260	71		6	0.00	-35.96	13.76	0.00		0.00		0.000	1.00	5.1 .34	3.24 L
							S		59.84	23.88	24.08	0.00	-0.20	1.46S		0.592			
THE	AC	HHZ		110.1	96	71	P		54.93	18.97	19.20	0.00	-0.23	1.18		0.343			
THE	AC	HHE		110.1	96	71	S		69.58	33.62	33.60	0.00	0.02	1.18S		0.601			
LSK	AC	HHZ		112.7	235	71	P		55.88	19.92	19.62	0.00	0.30	1.13		0.214			
LSK	AC	HHN		112.7	235	71		6	60.00	24.04	19.62	0.00		0.00		0.000	1.00	5.8 .57	3.57 L
							S		70.12	34.16	34.33	0.00	-0.18	1.13S		0.621			
PHP	AC	HHZ		146.3	316	71	P		60.65	24.69	24.99	0.00	-0.30	0.28		0.098			
PHP	AC	HHN		146.3	316	71		6	60.00	24.04	24.99	0.00		0.00		0.000	1.00	1.8 .81	3.28 L
							S		79.66	43.70	43.73	0.00	-0.03	0.28S		0.277			
TIR	AC	HHZ		165.7	295	71	P		65.60	29.64	28.07	0.00	1.57*	0.00		0.000			
TIR	AC	HHN		165.7	295	71	S		85.06	49.10	49.12	0.00	-0.02	0.01S		0.000			
TIR	AC	HHE		165.7	295	71		6	60.00	24.04	28.07	0.00		0.00		0.000	1.00	0.65 .75	2.97 L
SRN	AC	HHZ		171.6	237	71	P		67.08	31.12	29.02	0.00	2.10*	0.00		0.000			
SRN	AC	HHN		171.6	237	71	S		87.24	51.28	50.78	0.00	0.50	0.00S		0.000			
SRN	AC	HHE		171.6	237	71		6	60.00	24.04	29.02	0.00		0.00		0.000	1.00	1.2 .51	3.27 L
PUK	AC	HHZ		206.7	315	51	P		70.16	34.20	34.34	0.00	-0.14	0.00		0.000			
PUK	AC	HHE		206.7	315	51	S		96.16	60.20	60.10	0.00	0.10	0.00S		0.000			
PUK	AC	HHN		206.7	315	51		6	60.00	24.04	34.34	0.00		0.00		0.000	1.00	0.93 .63	3.37 L
BCI	AC	HHZ		223.9	324	51	P		72.53	36.57	36.62	0.00	-0.05	0.00		0.000			
BCI	AC	HHE		223.9	324	51		6	60.00	24.04	36.62	0.00		0.00		0.000	1.00	0.95 .47	3.46 L
							S		99.89	63.93	64.08	0.00	-0.15	0.00S		0.000			
LKD2	AC	HHZ		234.3	203	51	P		73.65	37.69	37.99	0.00	-0.30	0.00		0.000			

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2015-01-05 0535 36.88 39 25.90 20E42.70 2.56 0.29 1.16 1.90 3.61

SOURCE

NSTA NPHS DMIN MODEL GAP ITR NFM NWR NWS NVR REMRKS-AVH N.XMG-XMMAD-T N.FMG-FMMAD-T L F X
 17 24 71.5 Atl 164 6 0 14 7 16 5.00 0.15 L 0.00 0.00 D

REGION= Greqi (Greece)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T		
LKD2	AC	HHZ		71.5	184	62	P		49.77	12.89	13.22	0.00	-0.33	1.02		0.353					
LKD2	AC	HHN		71.5	184	62	S		60.24	23.36	23.13	0.00	0.22	1.02S		0.675					
SRN	AC	HHZ		78.8	310	62	P		51.09	14.21	14.47	0.00	-0.26	1.02		0.301					
SRN	AC	HHN		78.8	310	62		6	60.00	23.12	14.47	0.00		0.00		0.000	1.00	4.7	.50	3.20	L
							S		62.37	25.49	25.32	0.00	0.17	1.02S		0.583					
LSK	AC	HHZ		80.3	354	62	P		51.39	14.51	14.74	0.00	-0.23	1.02		0.208					
LSK	AC	HHE		80.3	354	62		6	60.00	23.12	14.74	0.00		0.00		0.000	1.00	17	.69	3.76	L
							S		62.30	25.42	25.80	0.00	-0.38	1.02S		0.145					
KBN	AC	HHZ		132.5	2	62	P		61.21	24.33	23.70	0.00	0.63*	0.78		0.134					
KBN	AC	HHE		132.5	2	62	S		78.66	41.78	41.47	0.00	0.30	1.02S		0.168					
KBN	AC	HHN		132.5	2	62		6	60.00	23.12	23.70	0.00		0.00		0.000	1.00	4.7	.87	3.61	L
FNA	AC	HHZ		160.5	20	55	P		65.09	28.21	28.37	0.00	-0.16	1.02		0.222					
FNA	AC	HHN		160.5	20	55	S		86.66	49.78	49.65	0.00	0.13	1.02S		0.350					
TIR	AC	HHZ		224.6	342	47	P		75.70	38.82	38.51	0.00	0.31	1.02		0.083					
TIR	AC	HHN		224.6	342	47		6	60.00	23.12	38.51	0.00		0.00		0.000	1.00	1.0	.72	3.50	L
							S		104.45	67.57	67.39	0.00	0.18	1.02S		0.313					
PHP	AC	HHZ		251.2	355	43	P		79.08	42.20	42.05	0.00	0.15	1.02		0.079					
PHP	AC	HHN		251.2	355	43		6	60.00	23.12	42.05	0.00		0.00		0.000	1.00	1.71	.20	3.84	L
							S		110.01	73.13	73.59	0.00	-0.46	1.02S		0.379					
PUK	AC	HHZ		298.1	347	43	P		83.93	47.05	48.25	0.00	-1.20*	0.00		0.000					
BCI	AC	HHZ		330.4	351	43	P		88.17	51.29	52.53	0.00	-1.24*	0.00		0.000					

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015	01	08	1044	46.89	39 53.50	20E 7.44	1.59	0.18	0.67	1.98		2.66

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L F X
	7	10	10.6	At1	150	7	0	6	3	7	0.00	0.00	L 2.00 0.59 D

REGION= Greqi (Greece)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T	
SRN	AC	HHZ		10.6	264	61	P		49.01	2.12	2.31	0.00	-0.19	1.20		0.612	1.00	15	2.07	D
SRN	AC	HHN		10.6	264	61	S		50.93	4.04	4.04	0.00	0.00	1.20S		0.873				
IGT	AC	HHZ		43.7	156	51	P		55.67	8.78	8.55	0.00	0.23	1.11		0.561				
IGT	AC	HHE		43.7	156	51	S		61.66	14.77	14.96	0.00	-0.19	1.11S		0.856				

LSK	AC	HHZ	49.6	54	51	P	56.06	9.17	9.57	0.00	-0.40	0.48	0.174	1.00	50	3.24	D
LSK	AC	HHN	49.6	54	51	S	63.69	16.80	16.75	0.00	0.05	0.90S	0.921				
FNA	AC	HHZ	145.7	46	51	P	72.65	25.76	26.07	0.00	-0.31	0.00	0.000				

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015	01	10	0415	12.69	39 54.04	20E52.96	5.31	0.17	0.53	1.70	2.71	

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L	F	X	
18	25	36.8	Atl	166	8	0	15	6	18		4.00	0.05	L	0.00	0.00	D

REGION= Greqi (Greece)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
LSK	AC	HHZ		36.8	319	62	P		19.62	6.93	7.01	0.00	-0.08	1.27		0.224			
LSK	AC	HHE		36.8	319	62		6	0.00-12.69	7.01	0.00			0.00		0.000	1.00		5.2 .34 2.74 L
							S		24.78	12.09	12.27	0.00	-0.18	1.27S		0.348			
IGT	AC	HHZ		62.7	230	62	P		23.80	11.11	11.46	0.00	-0.35	1.06		0.159			
IGT	AC	HHN		62.7	230	62	S		32.70	20.01	20.06	0.00	-0.04	1.27S		0.549			
SRN	AC	HHZ		75.5	269	62	P		26.49	13.80	13.66	0.00	0.14	1.27		0.208			
SRN	AC	HHN		75.5	269	62		6	0.00-12.69	13.66	0.00			0.00		0.000	1.00		1.8 .41 2.76 L
							S		36.70	24.01	23.90	0.00	0.11	1.27S		0.381			
KBN	AC	HHZ		80.7	355	62	P		26.98	14.29	14.55	0.00	-0.26	1.27		0.205			
KBN	AC	HHE		80.7	355	62		6	0.00-12.69	14.55	0.00			0.00		0.000	1.00		0.65 .41 2.36 L
							S		38.31	25.62	25.46	0.00	0.16	1.27S		0.295			
FNA	AC	HHZ		106.7	23	62	P		31.87	19.18	19.02	0.00	0.16	1.27		0.274			
FNA	AC	HHE		106.7	23	62	S		45.91	33.22	33.28	0.00	-0.06	1.27S		0.545			
LKD2	AC	HHZ		124.9	189	62	P		34.94	22.25	22.16	0.00	0.09	1.27		0.484			
VLO	AC	HHZ		133.9	299	62	P		36.61	23.92	23.70	0.00	0.22	1.27		0.228			
VLO	AC	HHN		133.9	299	62	S		55.40	42.71	41.47	0.00	1.24*	0.00S		0.000			
PHP	AC	HHZ		201.6	350	55	P		47.72	35.03	34.62	0.00	0.41	0.26		0.005			
PHP	AC	HHN		201.6	350	55		6	60.00	47.31	34.62	0.00		0.00		0.000	1.00		0.20 .92 2.67 L
							S		73.39	60.70	60.58	0.00	0.12	0.50S		0.084			
SCTE	AC	HHZ		207.1	277	55	P		47.78	35.09	35.51	0.00	-0.42	0.20		0.002			
PUK	AC	HHZ		252.0	342	43	P		54.48	41.79	41.77	0.00	0.02	0.01		0.000			
BCI	AC	HHZ		282.3	347	43	P		58.71	46.02	45.77	0.00	0.25	0.00		0.000			

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2015-01-12 2209 52.64 39 25.22 20E41.45 2.21 0.14 0.50 0.49 2.67

SOURCE

NSTA NPHS DMIN MODEL GAP ITR NFM NWR NWS NVR REMRKS-AVH N.XMG-XMMAD-T N.FMG-FMMAD-T L F X
 17 23 33.4 At1 162 5 0 13 6 15 # 3.00 0.23 L 0.00 0.00 D

REGION= Greqi (Greece)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
IGT	AC	HHN		33.4	292	61	S		64.72	12.08	12.06	0.00	0.02	1.10S		0.462			
IGT	AC	HHZ		33.4	292	61	P		59.35	6.71	6.89	0.00	-0.18	1.10		0.291			
LKD2	AC	HHN		70.2	183	51	S		75.91	23.27	23.29	0.00	-0.02	1.10S		0.785			
LKD2	AC	HHZ		70.2	183	51	P		66.12	13.48	13.31	0.00	0.17	1.10		0.373			
SRN	AC	HHE		78.2	311	51	S		78.39	25.75	25.71	0.00	0.04	1.10S		0.410			
SRN	AC	HHZ		78.2	311	51	P		67.18	14.54	14.69	0.00	-0.15	1.10		0.148			
SRN	AC	HHN		78.2	311	51		6	60.00	7.36	14.69	0.00		0.00		0.000	1.00		0.78 .66 2.42 L
LSK	AC	HHE		81.4	355	51		6	60.00	7.36	15.24	0.00		0.00		0.000	1.00		2.2 .75 2.90 L
							S		79.35	26.71	26.67	0.00	0.04	1.10S		0.335			
LSK	AC	HHZ		81.4	355	51	P		67.74	15.10	15.24	0.00	-0.14	1.10		0.231			
KEK	GR	HHZ		83.2	294	51	P		68.30	15.66	15.56	0.00	0.10	1.10		0.161			
KBN	AC	HHN		133.9	3	51	S		95.37	42.73	42.46	0.00	0.27	0.81S		0.209			
KBN	AC	HHZ		133.9	3	51	P		77.08	24.44	24.26	0.00	0.18	1.04		0.241			
KBN	AC	HHE		133.9	3	51		6	60.00	7.36	24.26	0.00		0.00		0.000	1.00		0.53 .56 2.67 L
FNA	AC	HHE		162.3	21	46	S		103.24	50.60	50.78	0.00	-0.18	0.74S		0.269			
FNA	AC	HHZ		162.3	21	46	P		81.39	28.75	29.02	0.00	-0.27	0.56		0.079			
PHP	AC	HHZ		252.3	356	37	P		95.57	42.93	42.63	0.00	0.30	0.00		0.000			
PUK	AC	HHZ		298.9	348	37	P		101.31	48.67	48.79	0.00	-0.12	0.00		0.000			

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2015-01-13 1044 36.64 43 24.29 18E42.67 0.05 0.46 10.63 5.23 3.37

SOURCE

NSTA NPHS DMIN MODEL GAP ITR NFM NWR NWS NVR REMRKS-AVH N.XMG-XMMAD-T N.FMG-FMMAD-T L F X
 6 9 159.9 At1 349 8 0 6 3 6 # 0.00 0.00 L 2.00 0.06 D

REGION= Deti Adriatik (Adriatic Sea)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
BCI	AC	HHZ		159.9	135	46	P		65.13	28.49	28.64	0.00	-0.15	1.02		0.513	1.00	48	3.31 D
BCI	AC	HHE		159.9	135	46	S		86.60	49.96	50.12	0.00	-0.16	1.02S		0.841			

PUK	AC	HHZ	179.6	146	46	P	67.59	30.95	31.78	0.00	-0.83*	0.90	0.432	1.00	54	3.43	D
PUK	AC	HHN	179.6	146	46	S	92.33	55.69	55.61	0.00	0.07	1.02S	0.857				
PHP	AC	HHZ	238.1	142	37	P	78.04	41.40	40.74	0.00	0.66*	1.02	0.513				
PHP	AC	HHN	238.1	142	37	S	108.38	71.74	71.29	0.00	0.44	1.02S	0.841				

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015	01	13	1119	20.42	37 28.96	21E50.41	3.00	3.25	27.53	31.61	3.7	

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L	F	X	
13	15	262.8	At1	320	1	0	13	2	13	-	0.00	0.00	L	0.00	0.00	D

REGION= Greqi (Greece)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
IGT	AC	HHZ	262.8	331	43	P		64.38	43.96	43.53	0.00	0.43	1.15			0.090			
IGT	AC	HHN	262.8	331	43	S		102.67	82.25	76.18	0.00	6.07*	1.15S			0.498			
SRN	AC	HHZ	310.6	330	43	P		70.30	49.88	49.84	0.00	0.04	1.15			0.095			
SRN	AC	HHE	310.6	330	43	S		113.30	92.88	87.22	0.00	5.66*	1.15S			0.497			
LSK	AC	HHZ	315.1	341	43	P		71.39	50.97	50.44	0.00	0.53*	1.15			0.107			
KBN	AC	HHZ	360.4	346	43	P		78.80	58.38	56.43	0.00	1.95*	1.15			0.152			
FNA	AC	HHZ	368.4	354	43	P		76.67	56.25	57.49	0.00	-1.24*	1.15			0.272			
SCTE	AC	HHZ	410.9	316	43	P		81.48	61.06	63.12	0.00	-2.06*	1.15			0.264			
PHP	AC	HHZ	481.8	347	43	P		92.02	71.60	72.49	0.00	-0.89*	1.15			0.164			
PUK	AC	HHZ	533.1	343	43	P		96.67	76.25	79.28	0.00	-3.03*	1.15			0.122			
NOCI	AC	HHZ	552.7	314	43	P		98.13	77.71	81.87	0.00	-4.16*	1.15			0.305			
BCI	AC	HHZ	563.1	345	43	P		100.74	80.32	83.24	0.00	-2.92*	1.15			0.141			
SGRT	AC	HHZ	705.4	315	43	P		117.77	97.35	102.07	0.00	-4.72*	1.15			0.284			

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015	01	14	2051	0.36	39 25.77	20E19.62	0.86	0.44	33.37	19.31	2.29	

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L	F	X	
6	9	11.3	At1	330	8	0	4	2	6	-	0.00	0.00	L	2.00	0.25	D

REGION= Greqi (Greece)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
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IGT	AC	HHZ	11.3	1	94	P	3.24	2.88	2.49	0.00	0.39	1.26	0.992						
IGT	AC	HHN	11.3	1	94	S	4.15	3.79	4.36	0.00	-0.57*	1.26S	0.997						
SRN	AC	HHZ	57.3	331	51	P	11.02	10.66	10.99	0.00	-0.33	0.74	0.978	1.00	12	2.04	D		
SRN	AC	HHN	57.3	331	51	S	19.69	19.33	19.23	0.00	0.10	0.74S	0.992						
LSK	AC	HHZ	83.3	16	51	P	15.50	15.14	15.45	0.00	-0.31	0.00	0.039	1.00	21	2.54	D		
LSK	AC	HHN	83.3	16	51	S	27.49	27.13	27.04	0.00	0.09	0.00S	0.000						

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG							
2015-01-17	0935	33.78	42	26.16	19E18.91	5.02	0.01	6.00	10.98	2.06	2.74								

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L	F	X				
6	9	62.4	At1	324	10	0	5	3	6	-	3.00	0.02	L	3.00	0.01	D			
REGION= Mali i Zi (Montenegro)																			

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T		
BCI	AC	HHZ	62.4	96	62	P			45.20	11.42	11.44	0.00	-0.02	1.19	0.622	1.00	27	2.73	D		
BCI	AC	HHN	62.4	96	62		6		0.00-33.78	11.44	0.00			0.00	0.000	1.00		0.75	.46	2.21	L
							S		53.80	20.02	20.02	0.00	0.00	1.19S	0.876						
PUK	AC	HHZ	64.7	132	62	P			45.61	11.83	11.83	0.00	0.00	1.19	0.622	1.00	27	2.74	D		
PUK	AC	HHN	64.7	132	62		6		0.00-33.78	11.83	0.00			0.00	0.000	1.00		0.47	.37	2.04	L
							S		54.47	20.69	20.70	0.00	-0.01	1.19S	0.876						
PHP	AC	HHZ	125.1	131	62	P			56.23	22.45	22.21	0.00	0.24	0.03	0.000	1.00	33	2.96	D		
PHP	AC	HHN	125.1	131	62		6		60.00	26.22	22.21	0.00		0.00	0.000	1.00		0.15	.37	2.06	L
							S		72.63	38.85	38.87	0.00	-0.02	1.19S	0.999						

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG							
2015-01-17	1053	30.15	42	26.94	19E17.06	6.83	0.20	1.40	18.53	2.45	2.92								

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L	F	X				
8	12	47.8	At1	300	5	0	8	4	8	-	3.00	0.04	L	2.00	0.01	D			
REGION= Mali i Zi (Montenegro)																			

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T		
SDA	AC	HHN	47.8	157	91	S			45.40	15.25	15.49	0.00	-0.24	1.00S	0.695						
SDA	AC	HHZ	47.8	157	91	P			38.80	8.65	8.85	0.00	-0.20	1.00	0.422						
BCI	AC	HHN	65.1	97	90		6		0.00-30.15	11.84	0.00			0.00	0.000	1.00		1.7	.46	2.61	L

					S	50.59	20.44	20.72	0.00	-0.28	1.00S	0.737							
BCI	AC	HHZ	65.1	97	90	P	42.00	11.85	11.84	0.00	0.01	1.00	0.429	1.00	34	2.93	D		
PUK	AC	HHN	67.5	131	90	6	0.00-30.15	12.25	0.00		0.00	0.000	1.00			0.93	.36	2.39	L
						S	51.68	21.53	21.44	0.00	0.09	1.00S	0.346						
PUK	AC	HHZ	67.5	131	90	P	42.47	12.32	12.25	0.00	0.07	1.00	0.204	1.00	33	2.91	D		
PHP	AC	HHN	127.9	131	90	6	60.00	29.85	22.61	0.00		0.00	0.000	1.00		0.34	.40	2.43	L
						S	69.93	39.78	39.57	0.00	0.21	1.00S	0.734						
PHP	AC	HHZ	127.9	131	90	P	53.03	22.88	22.61	0.00	0.27	1.00	0.429						

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015-01-18	1843	7.52	42	38.04	20E23.42	2.99	0.05	5.65	10.22	2.46		

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L	F	X	
6	9	39.8	At1	315	5	0	6	3	6	-	3.00	0.00	L	0.00	0.00	D

REGION= Kosovë (Kosovo)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T		
BCI	AC	HHZ	39.8	222	62	P		15.34	7.82	7.74	0.00	0.08	1.00			0.497					
BCI	AC	HHN	39.8	222	62	6		0.00	-7.52	7.74	0.00		0.00			0.000	1.00	2.6	.11	2.46	L
						S		21.01	13.49	13.55	0.00	-0.06	1.00S			0.835					
PUK	AC	HHZ	77.4	213	62	P		21.67	14.15	14.20	0.00	-0.05	1.00			0.497					
PUK	AC	HHE	77.4	213	62	6		0.00	-7.52	14.20	0.00		0.00			0.000	1.00	0.87	.23	2.46	L
						S		32.42	24.90	24.85	0.00	0.05	1.00S			0.835					
PHP	AC	HHZ	105.5	177	62	P		26.53	19.01	19.03	0.00	-0.02	1.00			0.497					
PHP	AC	HHN	105.5	177	62	6		0.00	-7.52	19.03	0.00		0.00			0.000	1.00	0.16	.25	1.95	L
						S		40.84	33.32	33.30	0.00	0.02	1.00S			0.835					

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015-01-19	1108	3.31	40	12.43	20E46.54	1.63	0.07	1.59	1.50	2.40	2.86	

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L	F	X	
12	16	16.4	At1	204	8	0	7	3	9		1.00	0.00	L	1.00	0.00	D

REGION= Greqi (Greece)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
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LSK	AC	HHZ	16.4	248	61	P	6.75	3.44	3.41	0.00	0.03	1.15	0.535	1.00	37	2.86	D				
LSK	AC	HHN	16.4	248	61	S	9.34	6.03	5.97	0.00	0.06	1.15S	0.624								
LSK	AC	HHE	16.4	248	61		6	0.00	-3.31	3.41	0.00	0.00	0.000	1.00				4.3	.72	2.40	L
KBN	AC	HHZ	46.3	1	51	P	12.22	8.91	8.98	0.00	-0.07	1.15	0.449								
KBN	AC	HHE	46.3	1	51	S	19.05	15.74	15.71	0.00	0.03	1.15S	0.848								
SRN	AC	HHZ	75.5	242	51	P	17.23	13.92	14.01	0.00	-0.09	0.89	0.262								
SRN	AC	HHN	75.5	242	51	S	27.76	24.45	24.52	0.00	-0.07	0.89S	0.727								
FNA	AC	HHZ	82.0	38	51	P	18.60	15.29	15.13	0.00	0.16	0.63	0.552								
FNA	AC	HHE	82.0	38	51	S	30.50	27.19	26.48	0.00	0.71*	0.00S	0.000								
LKD2	AC	HHZ	157.8	184	46	P	32.02	28.71	28.06	0.00	0.65*	0.00	0.000								

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015-01-21	0130	6.31	42	41.33	20E25.21	5.98	0.31	1.79	2.54	4.32		

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L	F	X	
23	31	46.0	At1	312	9	0	12	6	16		15.00	0.10	L	0.00	0.00	D

REGION= Mali i Zi (Montenegro)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T		
BCI	AC	HHZ		46.0	220	62	P		14.92	8.61	8.54	0.00	0.07	1.49		0.331					
BCI	AC	HHE		46.0	220	62		6	0.00	-6.31	8.54	0.00		0.00		0.000	1.00	127	.20	4.22	L
							S		20.91	14.60	14.94	0.00	-0.34	1.49S		0.460					
BCI	AC	HHN		46.0	220	62		6	0.00	-6.31	8.54	0.00		0.00		0.000	1.00	113	.34	4.17	L
PUK	AC	HHZ		83.9	212	62	P		21.21	14.90	15.05	0.00	-0.15	1.49		0.264					
PUK	AC	HHN		83.9	212	62		6	0.00	-6.31	15.05	0.00		0.00		0.000	1.00	61	.50	4.36	L
							S		33.04	26.73	26.34	0.00	0.39	1.49S		0.365					
PUK	AC	HHE		83.9	212	62		6	0.00	-6.31	15.05	0.00		0.00		0.000	1.00	70	.34	4.42	L
PHP	AC	HHZ		111.6	179	62	P		25.73	19.42	19.80	0.00	-0.38	1.49		0.413					
PHP	AC	HHN		111.6	179	62		6	0.00	-6.31	19.80	0.00		0.00		0.000	1.00	21	.50	4.11	L
							S		41.12	34.81	34.65	0.00	0.16	1.49S		0.733					
TIR	AC	HHZ		155.9	198	55	P		34.06	27.75	27.26	0.00	0.49	1.47		0.238					
TIR	AC	HHE		155.9	198	55		6	0.00	-6.31	27.26	0.00		0.00		0.000	1.00	13	.56	4.22	L
							S		53.72	47.41	47.71	0.00	-0.30	1.49S		0.294					
TIR	AC	HHN		155.9	198	55		6	60.00	53.69	27.26	0.00		0.00		0.000	1.00	15	.66	4.25	L
KBN	AC	HHZ		231.4	172	43	P		44.24	37.93	38.95	0.00	-0.56*	0.00		0.000					
KBN	AC	HHN		231.4	172	43		6	60.00	53.69	38.95	0.00		0.00		0.000	1.00	6.9	.77	4.36	L
							S		74.35	68.04	68.16	0.00	-0.12	0.89S		0.621					

KBN	AC	HHE	231.4	172	43		6	60.00	53.69	38.95	0.00		0.00	0.000	1.00		5.61	.10	4.27	L
VLO	AC	HHZ	258.4	198	43	P		48.84	42.53	42.51	0.00	0.02	0.51	0.083						
VLO	AC	HHN	258.4	198	43		6	60.00	53.69	42.51	0.00		0.00	0.000	1.00		11	.51	4.66	L
							S	81.14	74.83	74.39	0.00	0.44	0.51S	0.174						
VLO	AC	HHE	258.4	198	43		6	60.00	53.69	42.51	0.00		0.00	0.000	1.00		11	.46	4.68	L
LSK	AC	HHZ	282.4	176	43	P		51.78	45.47	45.69	0.00	-0.22	0.21	0.016						
LSK	AC	HHN	282.4	176	43		6	60.00	53.69	45.69	0.00		0.00	0.000	1.00		7.3	.86	4.60	L
							S	88.04	81.73	79.96	0.00	0.77*	0.00S	0.000						
LSK	AC	HHE	282.4	176	43		6	60.00	53.69	45.69	0.00		0.00	0.000	1.00		5.6	.63	4.48	L
SRN	AC	HHZ	313.9	187	43	P		55.39	49.08	49.86	0.00	-0.78*	0.00	0.000						
SRN	AC	HHE	313.9	187	43		6	60.00	53.69	49.86	0.00		0.00	0.000	1.00		2.9	.81	4.32	L
							S	94.05	87.74	87.26	0.00	0.48	0.01S	0.000						
SRN	AC	HHN	313.9	187	43		6	60.00	53.69	49.86	0.00		0.00	0.000	1.00		1.9	.72	4.12	L

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
2015-01-21 2236 59.65 40 44.21 21E12.28 6.08 0.16 1.18 3.28 2.37

SOURCE

NSTA NPHS DMIN MODEL GAP ITR NFM NWR NWS NVR REMRKS-AVH N.XMG-XMMAD-T N.FMG-FMMAD-T L F X
15 22 15.9 At1 180 21 0 6 3 14 - 4.00 0.03 L 0.00 0.00 D
REGION= Greqi (Greece)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T		
FNA	AC	HHZ		15.9	71	90	P		63.09	3.44	3.36	0.00	0.08	1.27		0.372					
FNA	AC	HHE		15.9	71	90	S		65.44	5.79	5.88	0.00	-0.09	1.27S		0.626					
KBN	AC	HHZ		37.4	251	90	P		66.92	7.27	7.06	0.00	0.21	1.27		0.372					
KBN	AC	HHE		37.4	251	90	S		71.79	12.14	12.35	0.00	-0.21	1.27S		0.626					
KBN	AC	HHN		37.4	251	90		6	60.00	0.35	7.06	0.00		0.00		0.000	1.00	2.0	.40	2.34	L
LSK	AC	HHZ		83.0	219	90	P		74.18	14.53	14.89	0.00	-0.36	0.26		0.049					
LSK	AC	HHN		83.0	219	90		6	60.00	0.35	14.89	0.00		0.00		0.000	1.00	0.68	.47	2.40	L
							S		85.71	26.06	26.06	0.00	0.00	0.66S		0.952					
PHP	AC	HHZ		123.2	329	90	P		81.56	21.91	21.80	0.00	0.11	0.00		0.000					
PHP	AC	HHN		123.2	329	90		6	60.00	0.35	21.80	0.00		0.00		0.000	1.00	0.34	.66	2.40	L
							S		97.69	38.04	38.15	0.00	-0.11	0.00S		0.000					
SRN	AC	HHZ		139.7	228	90	P		84.02	24.37	24.64	0.00	-0.27	0.00		1.000					
SRN	AC	HHN		139.7	228	90		6	60.00	0.35	24.64	0.00		0.00		0.000	1.00	0.15	.56	2.16	L
							S		102.53	42.88	43.12	0.00	-0.24	0.00S		0.000					
IGT	AC	HHN		153.2	210	68	S		106.72	47.07	46.93	0.00	0.14	0.00S		0.000					

IGT	AC	HHZ	153.2	210	68	P	86.82	27.17	26.82	0.00	0.35	0.00	0.000
BCI	AC	HHZ	204.4	333	68	P	95.04	35.39	34.99	0.00	0.40	0.00	0.000
BCI	AC	HHN	204.4	333	68	S	120.80	61.15	61.23	0.00	-0.08	0.00S	0.000

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015	01	21	2327 50.60	42 40.91	20E19.46	20.54	0.08	1.16	5.09	2.36		

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L F X
8	11	40.9	Atl	304	8	0	6	3	7		3.00	0.18 L	0.00 0.00 D

REGION= Mali i Zi (Montenegro)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
BCI	AC	HHZ		40.9	212	90	P		58.58	7.98	8.09	0.00	-0.11	1.12		0.519			
BCI	AC	HHE		40.9	212	90	S		64.69	14.09	14.16	0.00	-0.07	1.12S		0.547			
BCI	AC	HHN		40.9	212	90		6	60.00	9.40	8.09	0.00		0.00		0.000	1.00	2.6 .18	2.54 L
PUK	AC	HHZ		79.4	207	90	P		64.94	14.34	14.23	0.00	0.11	1.12		0.483			
PUK	AC	HHN		79.4	207	90		6	60.00	9.40	14.23	0.00		0.00		0.000	1.00	0.63 .34	2.36 L
							S		75.57	24.97	24.90	0.00	0.07	1.12S		0.463			
PHP	AC	HHZ		111.2	174	90	P		70.67	20.07	19.30	0.00	0.77*	0.00		0.000			
PHP	AC	HHN		111.2	174	90		6	60.00	9.40	19.30	0.00		0.00		0.000	1.00	0.14 .50	1.94 L
							S		84.35	33.75	33.77	0.00	-0.02	1.12S		0.985			
FNA	AC	HHZ		228.7	156	56	P		87.64	37.04	37.04	0.00	0.00	0.39		1.000			

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015	01	25	2018 42.88	42 42.73	20E20.95	0.01	0.50	11.38	13.57		3.22	

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L F X
9	13	44.8	Atl	308	5	0	9	4	9	#	0.00	0.00 L	3.00 0.02 D

REGION= Kosovë (Kosovo)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
BCI	AC	HHN		44.8	212	51	S		57.85	14.97	15.68	0.00	-0.71*	1.00S		0.445			
BCI	AC	HHZ		44.8	212	51	P		51.76	8.88	8.96	0.00	-0.08	1.00		0.246	1.00	49	3.22 D
PUK	AC	HHN		83.3	207	51	S		70.05	27.17	27.26	0.00	-0.10	1.00S		0.452			
PUK	AC	HHZ		83.3	207	51	P		58.22	15.34	15.58	0.00	-0.24	1.00		0.267	1.00	48	3.24 D

PHP	AC	HHN	114.4	176	51	S	79.77	36.89	36.59	0.00	0.30	1.00S	0.632						
PHP	AC	HHZ	114.4	176	51	P	63.04	20.16	20.91	0.00	-0.75*	1.00	0.429	1.00	39	3.09	D		
ULC	AC	HHZ	123.1	228	51	P	66.02	23.14	22.41	0.00	0.73*	1.00	0.472						
TIR	AC	HHE	156.8	195	46	S	92.82	49.94	49.24	0.00	0.70*	1.00S	0.750						
TIR	AC	HHZ	156.8	195	46	P	71.16	28.28	28.14	0.00	0.14	1.00	0.303						

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG							
2015-01-28	0023	41.29	39	42.56	20E42.00	9.97	0.23	0.71	1.42	2.94	3.04								

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L	F	X				
18	26	37.4	At1	158	8	0	16	7	18		2.00	0.23	L	2.00	0.17	D			

REGION= Greqi (Greece)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
IGT	AC	HHZ		37.4	239	98	P		48.48	7.19	7.11	0.00	0.08	1.20		0.184			
IGT	AC	HHN		37.4	239	98	S		53.80	12.51	12.44	0.00	0.07	1.20S		0.486			
LSK	AC	HHZ		49.7	350	95	P		50.59	9.30	9.20	0.00	0.10	1.20		0.160	1.00	32	2.87 D
LSK	AC	HHN		49.7	350	95		6	0.00	-41.29	9.20	0.00		0.00		0.000	1.00		10 .62 3.17 L
							S		57.14	15.85	16.10	0.00	-0.25	1.20S		0.343			
SRN	AC	HHZ		62.8	288	94	P		52.38	11.09	11.45	0.00	-0.36	1.20		0.177	1.00	47	3.20 D
SRN	AC	HHN		62.8	288	94		6	60.00	18.71	11.45	0.00		0.00		0.000	1.00		2.3 .69 2.71 L
							S		60.13	18.84	20.04	0.00	-0.20	0.00S		0.000			
KBN	AC	HHZ		101.8	4	92	P		59.84	18.55	18.14	0.00	0.41	1.14		0.161			
KBN	AC	HHN		101.8	4	92	S		73.14	31.85	31.74	0.00	0.10	1.20S		0.314			
LKD2	AC	HHZ		102.2	183	92	P		59.78	18.49	18.21	0.00	0.28	1.20		0.295			
LKD2	AC	HHN		102.2	183	92	S		73.00	31.71	31.87	0.00	-0.16	1.20S		0.497			
FNA	AC	HHZ		132.5	25	68	P		64.24	22.95	23.28	0.00	-0.33	1.20		0.375			
VLO	AC	HHZ		132.9	310	68	P		64.62	23.33	23.34	0.00	-0.01	1.20		0.190			
VLO	AC	HHN		132.9	310	68	S		82.24	40.95	40.85	0.00	0.10	1.20S		0.575			
TIR	AC	HHZ		195.2	340	68	P		74.13	32.84	33.27	0.00	-0.43	0.55		0.038			
TIR	AC	HHN		195.2	340	68	S		99.91	58.62	58.22	0.00	0.40	0.60S		0.110			
PHP	AC	HHZ		220.4	355	50	P		78.63	37.34	37.06	0.00	0.28	0.27		0.024			
PHP	AC	HHN		220.4	355	50	S		106.37	65.08	64.85	0.00	0.22	0.27S		0.064			
BCI	AC	HHZ		299.8	350	50	P		88.98	47.69	47.56	0.00	0.13	0.00		0.000			

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2015-01-28 2136 13.61 41 18.35 20E54.34 1.28 0.14 0.63 1.08 2.81

SOURCE

NSTA NPHS DMIN MODEL GAP ITR NFM NWR NWS NVR REMRKS-AVH N.XMG-XMMAD-T N.FMG-FMMAD-T L F X
 14 21 57.3 At1 175 13 0 13 7 14 0.00 0.00 L 3.00 0.02 D

REGION= Maqedoni (Macedonia)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
PHP	AC	HHZ		57.3	318	51	P		24.50	10.89	11.06	0.00	-0.17	1.11		0.255	1.00	29	2.79 D
PHP	AC	HHN		57.3	318	51	S		32.79	19.18	19.35	0.00	-0.17	1.11S		0.287			
FNA	AC	HHZ		70.7	145	51	P		27.02	13.41	13.37	0.00	0.04	1.11		0.354			
FNA	AC	HHE		70.7	145	51	S		36.97	23.36	23.40	0.00	-0.04	1.11S		0.778			
KBN	AC	HHZ		76.4	188	51	P		27.98	14.37	14.35	0.00	0.02	1.11		0.256			
KBN	AC	HHN		76.4	188	51	S		38.12	24.51	25.11	0.00	-0.60*	0.12S		0.003			
PUK	AC	HHZ		117.5	315	51	P		34.26	20.65	21.42	0.00	-0.77*	0.00		0.000	1.00	28	2.81 D
PUK	AC	HHN		117.5	315	51	S		51.22	37.61	37.49	0.00	0.12	1.11S		0.287			
LSK	AC	HHZ		131.0	192	51	P		36.83	23.22	23.72	0.00	-0.50*	0.62		0.083	1.00	32	2.94 D
LSK	AC	HHN		131.0	192	51	S		55.26	41.65	41.51	0.00	0.14	1.11S		0.353			
BCI	AC	HHZ		136.9	330	51	P		38.50	24.89	24.74	0.00	0.15	1.11		0.265			
BCI	AC	HHE		136.9	330	51	S		56.93	43.32	43.29	0.00	0.03	1.11S		0.356			
SRN	AC	HHZ		175.9	207	46	P		44.86	31.25	31.15	0.00	0.10	1.11		0.241			
SRN	AC	HHN		175.9	207	46	S		68.04	54.43	54.51	0.00	-0.08	1.11S		0.475			

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2015-01-29 0315 54.61 41 16.63 20E50.62 2.01 0.36 0.99 1.94 2.87

SOURCE

NSTA NPHS DMIN MODEL GAP ITR NFM NWR NWS NVR REMRKS-AVH N.XMG-XMMAD-T N.FMG-FMMAD-T L F X
 16 24 56.4 At1 167 5 0 16 8 16 # 0.00 0.00 L 3.00 0.19 D

REGION= Maqedoni (Macedonia)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
PHP	AC	HHZ		56.4	324	51	P		65.33	10.72	10.95	0.00	-0.23	1.05		0.177	1.00	22	2.56 D
PHP	AC	HHN		56.4	324	51	S		73.43	18.82	19.16	0.00	-0.34	1.05S		0.366			
FNA	AC	HHZ		71.3	140	51	P		67.93	13.32	13.52	0.00	-0.20	1.05		0.276			
FNA	AC	HHE		71.3	140	51	S		78.00	23.39	23.66	0.00	-0.27	1.05S		0.621			
KBN	AC	HHZ		72.7	184	51	P		68.48	13.87	13.75	0.00	0.12	1.05		0.179			
KBN	AC	HHE		72.7	184	51	S		78.70	24.09	24.06	0.00	0.03	1.05S		0.223			

TIR	AC	HHZ	82.3	276	51	P	69.61	15.00	15.40	0.00	-0.40	1.05	0.215				
TIR	AC	HHE	82.3	276	51	S	81.22	26.61	26.95	0.00	-0.34	1.05S	0.363				
PUK	AC	HHZ	116.2	318	51	P	75.26	20.65	21.22	0.00	-0.57*	1.05	0.168	1.00	30	2.87	D
PUK	AC	HHN	116.2	318	51	S	91.85	37.24	37.13	0.00	0.10	1.05S	0.323				
LSK	AC	HHZ	126.9	190	51	P	77.22	22.61	23.06	0.00	-0.45	1.05	0.185	1.00	37	3.06	D
LSK	AC	HHN	126.9	190	51	S	95.55	40.94	40.35	0.00	0.58*	1.05S	0.230				
BCI	AC	HHZ	137.1	333	51	P	79.83	25.22	24.82	0.00	0.40	1.05	0.201				
BCI	AC	HHN	137.1	333	51	S	98.94	44.33	43.43	0.00	0.89*	0.22S	0.020				
SRN	AC	HHZ	170.8	205	46	P	85.52	30.91	30.38	0.00	0.53*	1.05	0.150				
SRN	AC	HHN	170.8	205	46	S	107.83	53.22	53.16	0.00	0.05	1.05S	0.296				

Tërmete të pa-lokalizueshëm, me më pak se tre stacione (un-locatable earthquakes with less than three stations)

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2015	01	03	1939	43.26								PHP
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GAP=					hor.err=							ver.err=
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STAT	SP	IPHASW	D	HRMM	SECON			AZIMU	RES	DIS	DUR	Md
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PHP	SZ	IPG		1939	43.26							
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PHP	SE	ISG		1939	44.25							
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Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
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2015	01	05	0023	37.73								PHP
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GAP=					hor.err=							ver.err=
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STAT	SP	IPHASW	D	HRMM	SECON			AZIMU	RES	DIS	DUR	Md
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PHP	SZ	IPG		0023	37.73							
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PHP	SE	ISG		0023	40.12							
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Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter

2015 01 05 2300 24.36 PHP
GAP= hor.err= ver.err=

STAT SP IPHASW D HRMM SECON AZIMU RES DIS DUR Md
PHP SZ IPG 2300 24.36
PHP SE ISG 2300 25.90

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

2015 01 08 2317 21.43 PHP
GAP= hor.err= ver.err=

STAT SP IPHASW D HRMM SECON AZIMU RES DIS DUR Md
PHP SZ IPG 2317 21.43
PHP SE ISG 2317 25.64

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

2015 01 10 1257 40.02 TIR
GAP= hor.err= ver.err=

STAT SP IPHASW D HRMM SECON AZIMU RES DIS DUR Md
TIR SZ IPG 1257 40.02
TIR SE ISG 1257 43.51

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

2015 01 14 0627 23.11 PHP
GAP= hor.err= ver.err=

STAT SP IPHASW D HRMM SECON AZIMU RES DIS DUR Md
PHP SZ IPG 0627 23.11
PHP SE ISG 0627 24.78

Përshkrim i të dhënave makrosizmike (Macro-seismic data description for individual events)

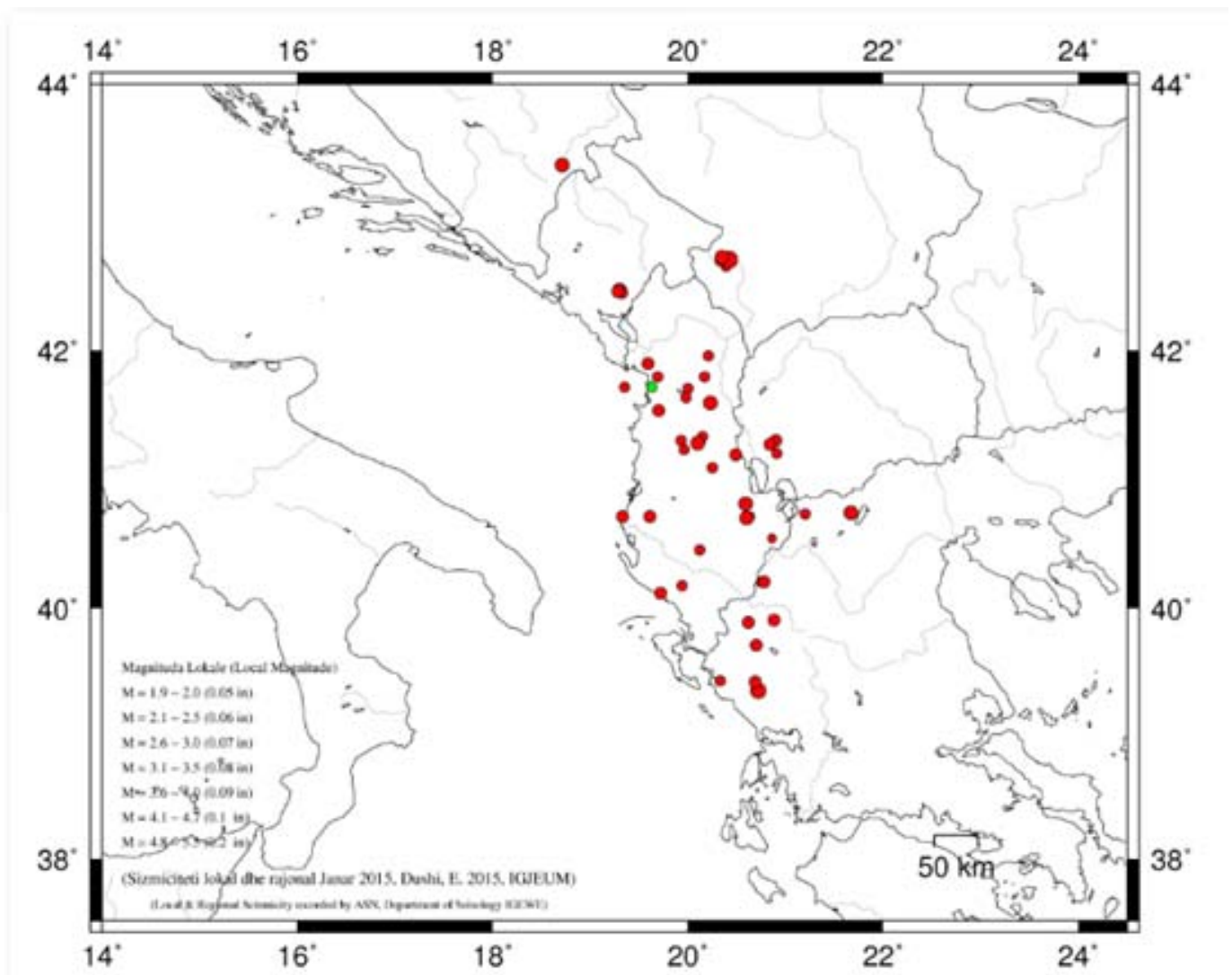
Ngjarja 1 (Event 1):

Datë 13.1.2015, në orën 16:18:49.04 (UTC); lokalizuar 41.29V; 20.01L, 13km në Juglindje tëTiranës; Intensiteti i tërmetit në epiqendër $I_0=III-IV$ ballë (MSK-64); Ndjerë: III-IV ballë në qytetin e Tiranës.
(Intensity $I_0 =III-IV$ degree EMS-98, felt III-IV degree at Tirana Town.

Shënim: Intensiteti i tërmetit në epiqendër I_0 është përcaktuar nga relacioni $I_0 = (\text{Mag} (M_{L/d}) - 1)/0.6$

Note: The earthquake Intensity in epicenter I_0 is derived from the relation $I_0 = (\text{Mag} (ML/d) - 1)/0.6$

)



-Fig. 3 -

Harta e shpërndarjes në hapësirë të epiqendrave, në përputhje me magnitudë (madhësia e simbolit) dhe thellësinë (ngjyra e simbolit); Ngjarjet janë lokalizuar gjatë muajit Janar 2015, bazuar në regjistrimet e ASN dhe stacioneve sizmologjike në rajon.
(Epical map for located seismicity within Albania and surrounding during January 2015)

Statistika e ngjarjeve (Events Statistics)

Tab. 5 – Të dhënat përfaqësuese për statistikën e ngjarjeve (representative earthquake statistical data)

Të dhënat përfaqësuese	Representative Parameters	Vlerat (observed values)
Numuri i përgjithshëm i ngjarjeve të regjistruara (kuandrat 39 ^o -43 ^o V; 18.5 ^o -21.5 ^o L)	[total recorded number of seismic events]	43
Numuri i ngjarjeve sizmike brenda kufirit shtetëror	[earthquakes occurred within state border]	26
Thellësia mesatare e vrojtuar (km)	[mean observed depth]	7
Thellësia maksimale e vrojtuar (km)	[maximum observed depth]	30
Magnituda lokale minimale e vrojtuar (M _{Ld})	[minimum observed local magnitude]	1.5
Magnituda lokale maksimale e vrojtuar (M _{Ld})	[maximum observed local magnitude]	4.3
Intensiteti maksimal i vrojtuar (MSK-64)	[maximum observed intensity]	IV

REFERENCA (References)

- Sulstarova, E., Koçiaj, S., (1975). “Katalogu i tërmeteve të Shqipërisë”, Qendra Sizmologjike, ASH të Shqipërisë.
- Nanometrics Inc. (©2002-2004). “Atlas-seismic analysis tool”, ver. 1.1 User Guide.
- Klein, W. F., (2002). “User’s guide to Hypoinverse-2000, a fortran program to solve for earthquake location and magnitudes”, 4/2002 version, USGS, Open File Report 02-171.
- Ormeni, Rr (2011). "P- & S-Wave Velocity Model of the crust and uppermost mantle of the Albania region" ELSEVIER, Journal of Tectonophysics, Vol 497, 2011.
- Dushi, E., Minarolli, A., Kasaj, E., Gjuzi, O., (2014). “Focal mechanism solutions for local earthquakes (M > 3.0), from Albanian Seismological Network (ASN), broadband recordings”, Proceedings of XXth Congress of the Carpathian-Balkan Geological Association, Buletini i Shkencave Gjeologjike, ISSN 0254-5276 (2306-9600).
- Natvik, O., (2014). “Seisan explorer v. 2.4.0”, University of Bergen, Department of Earth Science (© 2012).
- Ottemöller, L., Voss, P., Hskov, J., (2014). “SEISAN – earthquake analyzing software”, Department of Earth Science, University of Bergen, Norway; Geological Survey of Denmark and Greenland, Denmark, (June 18, 2014©).
- OrigineLab Corporation (©1991-2002). “Origine programm v.7.0 SRO”, Northampton, MA 01060 USA (<http://www.OrigineLab.com>).