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BULETINI SIZMOLOGJIK

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Përpiloi:

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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 përfuara 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)

Kodi	Regjistruar (Po/Jo)	Gjer. Gjeo.	Gjat. Gjeo.	Lartësia	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

Rrjeti Sizmologjik Virtual (Virtual Seismological Network)

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

Kodi	Regjistruar (Po/Jo)	Gjer. Gjeo.	Gjat. Gjeo.	Lartësia	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

C. Rrjeti Sizmologjik Ndhmës (Auxilliary Network Stations)

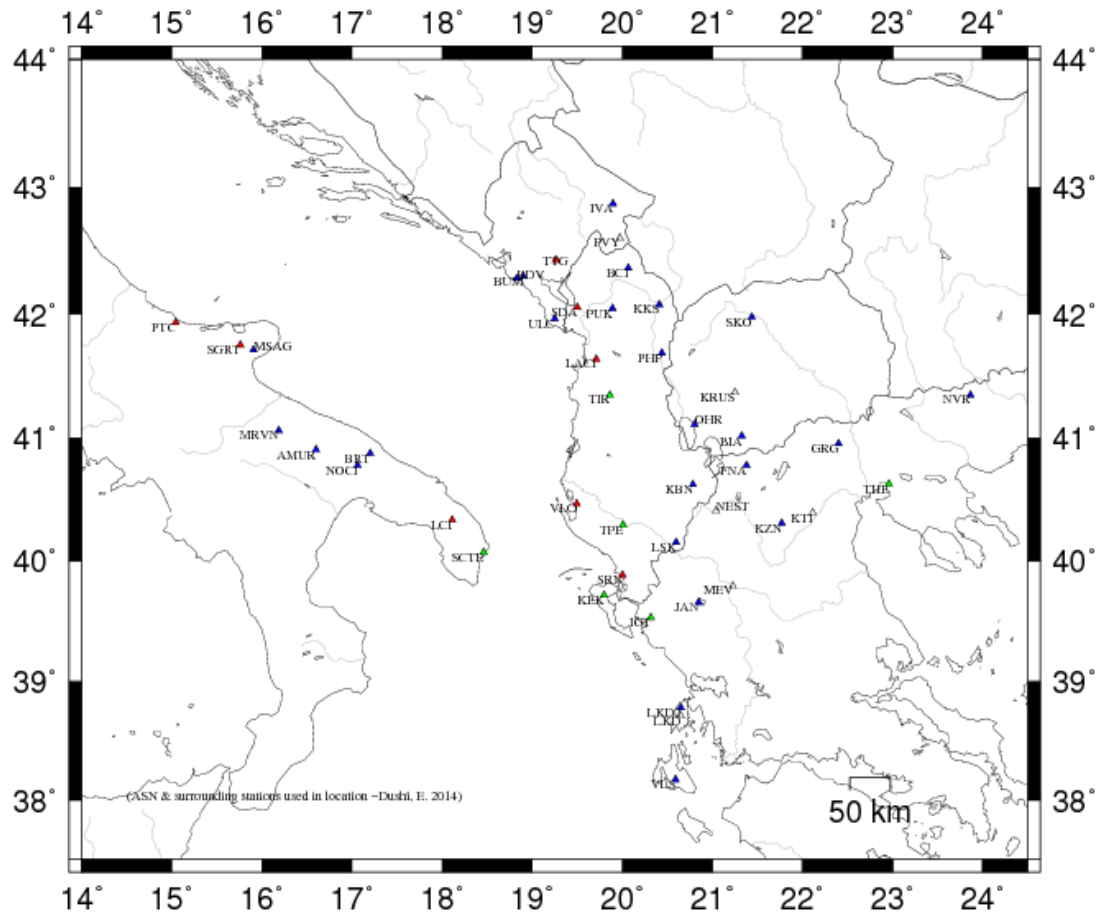
Tab. 3 – Rrjeti Sizmologjik Ndhmës (MSO, SKO, AUTH, NAO, INGV)

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)
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	#	#	#	#	#

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 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), ING, rrjetit sizmologjik Malazez (PDG) dhe atij Maqedonas (SKO).
[Seismological station distribution map for ASN, THE, ATH, ING, PDG & SKO]

Përshkrimi i terminologjisë së përdorur për parametrat e përftuar
(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) [<i>longitude in degree and minutes</i>]
DEPTH	Thellësia vatrore (km) [<i>hypocenter depth in km</i>]
RMS	Shmangia kuadratike mesatare për diferencat e peshuara të kohë-udhëtimin, për Fazat Sizmike, [<i>root mean square for the weighted travel time residuals</i>]
ERH	Gabimi horizontal në lokalizim (përafërsisht aksi maksimal i elipsit të gabimit në epiqendër), [<i>horizontal location error, approximately equal to the major epicenter's error ellipse</i>].
ERZ	Gabimi në thellësi, [<i>Defined as the largest projections of the three principal errors on a vertical line</i>].
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; kodit (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 konvergimin 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 [<i>secondary magnitude information parameters</i>].

II. Informacioni parametrik i ngjarjes (EVENT PARAMETRIC DATA)

STA	Kodi i stacionit me 5-karakte (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 vlerësimin 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 korigjues 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
 2015-10-03 0909 14.58 40 40.03 20E18.20 0.06 0.66 1.68 1.56 2.51 3.07 2.5

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 19 41.2 At1 138 7 0 13 6 13 # 3.00 0.02 L 3.00 0.12 D
 REGION= Berat, Rajoni Berat (Berat, Berati 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		41.2	96	51	P		23.12	8.54	8.33	0.00	0.21	1.04		0.334	1.00	41	3.07	D				
KBN	AC	HHN		41.2	96	51		6	0.00-14.58	8.33	0.00		0.06	1.04S		0.714					4.5	.50	2.72	L
									29.22	14.64	14.58	0.00												
TIR	AC	HHZ		84.1	335	51	P		29.68	15.10	15.70	0.00	-0.60*	1.04		0.228	1.00	45	3.19	D				
TIR	AC	HHN		84.1	335	51		6	0.00-14.58	15.70	0.00			0.00		0.000	1.00				4.1	.55	2.59	L
									43.17	28.59	27.48	0.00	1.11*	0.98S		0.324								
SRN	AC	HHZ		91.1	197	51	P		31.99	17.41	16.91	0.00	0.50	1.04		0.262	1.00	30	2.85	D				
SRN	AC	HHN		91.1	197	51		6	0.00-14.58	16.91	0.00			0.00		0.000	1.00				4.1	.50	2.51	L
									43.32	28.74	29.59	0.00	-0.85*	1.04S		0.461								
PHP	AC	HHZ		113.6	5	51	P		35.69	21.11	20.77	0.00	0.34	1.04		0.207								
PHP	AC	HHN		113.6	5	51	S		49.73	35.15	36.35	0.00	-1.20*	0.88S		0.223								
IGT	AC	HHZ		126.1	178	51	P		36.61	22.03	22.92	0.00	-0.89*	1.04		0.234								
IGT	AC	HHN		126.1	178	51	S		55.49	40.91	40.11	0.00	0.80*	1.04S		0.382								
PUK	AC	HHZ		156.6	348	46	P		42.38	27.80	28.10	0.00	-0.30	1.02		0.158								
PUK	AC	HHE		156.6	348	46	S		63.82	49.24	49.17	0.00	0.07	1.02S		0.370								
BCI	AC	HHZ		189.8	355	46	P		48.31	33.73	33.40	0.00	0.33	0.80		0.096								

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2015-10-05 0933 16.63 41 7.06 20E 0.96 29.99 0.39 2.01 5.28 2.77 3.21 2.8

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 18 72.3 At1 177 21 0 12 5 13 # 2.00 0.04 L 4.00 0.22 D
 REGION= Elbasan, Rajoni Elbasan (Elbasan, 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		
PHP	AC	HHN		72.3	29	105		6	0.00-16.63	13.34	0.00			0.00		0.000	1.00				1.6	.14	2.73	L
									39.84	23.21	23.35	0.00	-0.14	1.12S		0.550								
PHP	AC	HHZ		72.3	29	105	P		29.78	13.15	13.34	0.00	-0.19	1.12		0.337	1.00	22	2.81	D				

VLO	AC	HHZ	84.4	212	76	P		31.69	15.06	15.21	0.00	-0.15	1.12		0.396						
KBN	AC	HHN	85.1	129	76		6	0.00	-16.63	15.32	0.00		0.00		0.000	1.00		1.5	.50	2.81	L
						S		43.62	26.99	26.81	0.00	0.18	1.12S		0.389						
KBN	AC	HHZ	85.1	129	76	P		32.10	15.47	15.32	0.00	0.15	1.12		0.124	1.00	29		3.05	D	
LSK	AC	HHZ	118.2	155	76	P		37.72	21.09	20.46	0.00	0.63*	1.12		0.193	1.00	46		3.48	D	
FNA	AC	HHE	121.1	107	76	S		52.95	36.32	36.58	0.00	-0.26	1.12S		0.441						
FNA	AC	HHZ	121.1	107	76	P		37.40	20.77	20.90	0.00	-0.13	1.12		0.133						
SRN	AC	HHN	137.4	181	76	S		57.03	40.40	41.02	0.00	-0.62*	1.12S		0.511						
SRN	AC	HHZ	137.4	181	76	P		41.42	24.79	23.44	0.00	1.35*	0.00		0.000	1.00	40		3.37	D	
IGT	AC	HHE	178.1	171	62	S		67.68	51.05	51.49	0.00	-0.43	1.12S		0.433						
IGT	AC	HHZ	178.1	171	62	P		47.01	30.38	29.42	0.00	0.96*	0.68		0.075						
LKD2	AC	HHZ	264.3	167	56	P		58.02	41.39	40.91	0.00	0.48	1.11		0.412						

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG			
2015	10	05	1049	32.28	41	8.92	20E	6.71	25.01	0.46	0.89	3.08	3.26	3.43	3.4

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L	F	X	
24	32	30.3	At1	102	26	0	16	7	21	#	4.00	0.19	L	1.00	0.00	D

REGION= Elbasan, Rajoni Elbasan (Elbasan, 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			
TIR	AC	HHZ		30.3	317	123	P		38.44	6.16	6.86	0.00	-0.70*	1.20		0.257	1.00	54	3.43	D		
TIR	AC	HHE		30.3	317	123	S		43.78	11.50	12.00	0.00	-0.50*	1.20S		0.735						
TIR	AC	HHN		30.3	317	123		6	0.00	-32.28	6.86	0.00		0.00		0.000	1.00		11	.40	3.11	L
PHP	AC	HHZ		65.6	24	90	P		44.16	11.88	12.02	0.00	-0.14	1.20		0.233						
PHP	AC	HHN		65.6	24	90		6	0.00	-32.28	12.02	0.00		0.00		0.000	1.00		4.1	.34	3.04	L
							S		53.91	21.63	21.03	0.00	0.60*	1.20S		0.434						
KBN	AC	HHZ		81.5	135	90	P		46.08	13.80	14.57	0.00	-0.77*	1.20		0.120						
KBN	AC	HHE		81.5	135	90	S		57.86	25.58	25.50	0.00	0.08	1.20S		0.287						
KBN	AC	HHN		81.5	135	90		6	60.00	27.72	14.57	0.00		0.00		0.000	1.00		6.5	.46	3.40	L
VLO	AC	HHZ		91.7	215	90	P		48.26	15.98	16.19	0.00	-0.21	1.20		0.256						
VLO	AC	HHN		91.7	215	90	S		61.45	29.17	28.33	0.00	0.84*	1.20S		0.485						
PUK	AC	HHZ		100.9	350	90	P		49.87	17.59	17.67	0.00	-0.08	1.20		0.314						
FNA	AC	HHZ		114.6	110	90	P		52.15	19.87	19.84	0.00	0.03	1.18		0.134						
FNA	AC	HHE		114.6	110	90	S		67.31	35.03	34.72	0.00	0.31	1.18S		0.341						
LSK	AC	HHZ		118.3	159	90	P		51.40	19.12	20.44	0.00	-1.32*	0.28		0.006						
LSK	AC	HHN		118.3	159	90	S		67.98	35.70	35.77	0.00	-0.07	1.16S		0.234						
LSK	AC	HHE		118.3	159	90		6	60.00	27.72	20.44	0.00		0.00		0.000	1.00		4.7	.47	3.52	L
SRN	AC	HHZ		141.2	184	90	P		56.49	24.21	24.09	0.00	0.12	0.90		0.089						
SRN	AC	HHE		141.2	184	90	S		76.60	44.32	42.16	0.00	2.16*	0.00S		0.000						
IGT	AC	HHZ		180.5	174	62	P		61.98	29.70	30.13	0.00	-0.43	0.24		0.021						
IGT	AC	HHN		180.5	174	62	S		84.32	52.04	52.73	0.00	-0.69*	0.24S		0.046						
SCTE	AC	HHZ		183.0	230	62	P		61.08	28.80	30.48	0.00	-1.68*	0.00		0.000						

NOCI	AC	HHZ	259.7	263	56	P	69.37	37.09	40.74	0.00	-3.65*	0.00	0.000
LKD2	AC	HHZ	266.1	169	56	P	72.34	40.06	41.59	0.00	-1.53*	0.00	0.000
SGRT	AC	HHZ	369.8	282	56	P	83.80	51.52	55.31	0.00	-3.79*	0.00	0.000

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015	10	07	0139	12.17	41 6.62	20E 5.77	1.95	0.25	0.73	1.56	2.65	2.80 2.8

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	32.7	Atl	140	14	0	14	7	15		6.00 0.04 L	4.00 0.03 D	

REGION= Elbasan, Rajoni Elbasan (Elbasan, 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
TIR	AC	HHZ		32.7	324	61	P		19.49	7.32	6.55	0.00	0.77*	0.17		0.011	1.00	31	2.80 D
TIR	AC	HHN		32.7	324	61		6	0.00-12.17	6.55	0.00			0.00		0.000	1.00		2.7 .30 2.42 L
							S		23.89	11.72	11.46	0.00	0.26	1.12S		0.481			
PHP	AC	HHZ		70.0	24	51	P		25.11	12.94	13.02	0.00	-0.08	1.12		0.240	1.00	27	2.74 D
PHP	AC	HHN		70.0	24	51		6	0.00-12.17	13.02	0.00			0.00		0.000	1.00		1.4 .20 2.61 L
							S		34.77	22.60	22.78	0.00	-0.18	1.12S		0.422			
KBN	AC	HHZ		79.5	132	51	P		26.97	14.80	14.65	0.00	0.15	1.12		0.230	1.00	34	2.94 D
KBN	AC	HHE		79.5	132	51		6	0.00-12.17	14.65	0.00			0.00		0.000	1.00		1.3 .66 2.63 L
							S		37.96	25.79	25.64	0.00	0.15	1.12S		0.266			
PUK	AC	HHZ		104.9	351	51	P		30.84	18.67	19.02	0.00	-0.35	1.12		0.228	1.00	28	2.80 D
PUK	AC	HHE		104.9	351	51		6	0.00-12.17	19.02	0.00			0.00		0.000	1.00		0.90 .50 2.69 L
							S		45.54	33.37	33.28	0.00	0.08	1.12S		0.378			
FNA	AC	HHZ		114.4	108	51	P		33.27	21.10	20.65	0.00	0.45	1.12		0.256			
FNA	AC	HHN		114.4	108	51		S	48.34	36.17	36.14	0.00	0.03	1.12S		0.380			
LSK	AC	HHZ		114.8	158	51	P		32.59	20.42	20.72	0.00	-0.30	1.12		0.255			
LSK	AC	HHN		114.8	158	51		6	0.00-12.17	20.72	0.00			0.00		0.000	1.00		1.1 .54 2.86 L
							S		48.07	35.90	36.26	0.00	-0.36	1.12S		0.312			
SRN	AC	HHZ		136.9	184	51	P		37.60	25.43	24.51	0.00	0.92*	0.00		0.000			
SRN	AC	HHN		136.9	184	51		6	0.00-12.17	24.51	0.00			0.00		0.000	1.00		0.50 .50 2.66 L
							S		55.26	43.09	42.89	0.00	0.20	1.02S		0.487			
IGT	AC	HHZ		176.4	173	46	P		42.96	30.79	30.98	0.00	-0.19	0.49		0.047			

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015	10	07	0206	57.96	41 7.70	20E 6.68	2.28	0.11	1.64	1.51	1.18	2.35 2.3

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	31.9	Atl	211	8	0	7	4	8		3.00 0.06 L	3.00 0.17 D	

REGION= Elbasan, Rajoni Elbasan (Elbasan, 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
TIR	AC	HHZ		31.9	320	90	P		64.51	6.55	6.39	0.00	0.16	1.00		0.460	1.00	15	2.18 D
TIR	AC	HHE		31.9	320	90		6	60.00	2.04	6.39	0.00		0.00		0.000	1.00		0.16 .23 1.18 L
							S		69.12	11.16	11.18	0.00	-0.02	1.00S		0.479			
PHP	AC	HHZ		67.6	23	62	P		70.38	12.42	12.58	0.00	-0.16	1.00		0.331	1.00	17	2.35 D
PHP	AC	HHN		67.6	23	62		6	60.00	2.04	12.58	0.00		0.00		0.000	1.00		0.05 .11 1.12 L
							S		80.07	22.11	22.01	0.00	0.10	1.00S		0.787			
PUK	AC	HHZ		103.2	350	62	P		76.50	18.54	18.69	0.00	-0.15	1.00		0.210	1.00	23	2.63 D
PUK	AC	HHN		103.2	350	62		6	60.00	2.04	18.69	0.00		0.00		0.000	1.00		0.05 .21 1.42 L
							S		90.71	32.75	32.71	0.00	0.04	1.00S		0.835			
FNA	AC	HHZ		113.8	109	62	P		79.08	21.12	20.52	0.00	0.60*	0.00		0.000			
FNA	AC	HHN		113.8	109	62	S		93.91	35.95	35.91	0.00	0.04	1.00S		0.896			

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015	10	08	0419	17.30	41 11.16	20E14.62	0.00	0.55	1.61	3.73	1.50	2.52 1.5

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	36.5	At1	157	5	0	10	5	10	#	3.00	0.20 L	3.00 0.25 D

REGION= Elbasan, Rajoni Elbasan (Elbasan, 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
TIR	AC	HHZ		36.5	300	61	P		24.45	7.15	7.48	0.00	-0.33	1.01		0.380	1.00	14	2.14 D
TIR	AC	HHN		36.5	300	61		6	0.00-17.30	7.48	0.00			0.00		0.000	1.00		0.30 .18 1.50 L
							S		30.35	13.05	13.09	0.00	-0.04	1.01S		0.641			
PHP	AC	HHZ		57.8	16	51	P		28.14	10.84	11.19	0.00	-0.35	1.01		0.321	1.00	21	2.52 D
PHP	AC	HHN		57.8	16	51		6	0.00-17.30	11.19	0.00			0.00		0.000	1.00		0.08 .20 1.17 L
							S		37.55	20.25	19.58	0.00	0.67*	1.01S		0.517			
KBN	AC	HHZ		77.4	143	51	P		32.63	15.33	14.57	0.00	0.76*	1.01		0.289			
KBN	AC	HHE		77.4	143	51	S		43.32	26.02	25.50	0.00	0.52*	1.01S		0.596			
PUK	AC	HHZ		99.5	344	51	P		34.99	17.69	18.36	0.00	-0.67*	1.01		0.208	1.00	27	2.77 D
PUK	AC	HHN		99.5	344	51		6	0.00-17.30	18.36	0.00			0.00		0.000	1.00		0.10 .11 1.70 L
							S		49.88	32.58	32.13	0.00	0.45	1.01S		0.407			
FNA	AC	HHZ		105.9	114	51	P		36.68	19.38	19.46	0.00	-0.08	1.01		0.297			
FNA	AC	HHE		105.9	114	51	S		50.41	33.11	34.06	0.00	-0.94*	0.91S		0.341			

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015	10	08	0439	26.96	41 37.21	20E25.83	17.83	0.32	0.65	0.91	2.25	2.43 2.3

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	7.2	At1	133	10	0	8	4	8	#	2.00	0.16 L	3.00 0.30 D

REGION= Peshkopi, Rajoni Peshkopi (Peshkopi, Peshkopi 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	HHZ		7.2	6	156	P		30.34	3.38	3.48	0.00	-0.10	1.50		0.285	1.00	9	1.72 D
PHP	AC	HHN		7.2	6	156		6	0.00	-26.96	3.48	0.00		0.00		0.000	1.00		3.3 .57 2.40 L
							S		33.16	6.20	6.09	0.00	0.11	1.50S		0.740			
TIR	AC	HHZ		56.1	238	100	P		36.82	9.86	10.46	0.00	-0.60*	1.50		0.269	1.00	17	2.43 D
TIR	AC	HHN		56.1	238	100	S		45.62	18.66	18.31	0.00	0.35	1.50S		0.757			
PUK	AC	HHZ		64.8	317	98	P		38.49	11.53	11.90	0.00	-0.37	1.50		0.344	1.00	24	2.73 D
PUK	AC	HHE		64.8	317	98		6	0.00	-26.96	11.90	0.00		0.00		0.000	1.00		0.50 .37 2.09 L
							S		48.18	21.22	20.82	0.00	0.40	1.50S		0.635			
FNA	AC	HHZ		122.7	139	71	P		48.33	21.37	21.26	0.00	0.11	1.50		0.350			
FNA	AC	HHE		122.7	139	71	S		64.30	37.34	37.21	0.00	0.13	1.50S		0.617			

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015	10	08	0458	20.18	41 11.31	20E15.58	0.02	0.40	0.23	0.85	2.25	2.3

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	37.5	At1	155	11	0	10	5	10	#	0.00	0.00 L	2.00 0.24 D

REGION= Elbasan, Rajoni Elbasan (Elbasan, 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
TIR	AC	HHZ		37.5	299	61	P		27.54	7.36	7.68	0.00	-0.32	1.00		0.375	1.00	12	2.01 D
TIR	AC	HHN		37.5	299	61	S		33.44	13.26	13.44	0.00	-0.18	1.00S		0.637			
PHP	AC	HHZ		57.2	15	51	P		30.95	10.77	11.08	0.00	-0.31	1.00		0.321	1.00	20	2.48 D
PHP	AC	HHN		57.2	15	51	S		39.84	19.66	19.39	0.00	0.27	1.00S		0.513			
KBN	AC	HHZ		76.9	144	51	P		34.83	14.65	14.47	0.00	0.18	1.00		0.284			
KBN	AC	HHE		76.9	144	51	S		46.08	25.90	25.32	0.00	0.58*	1.00S		0.568			
PUK	AC	HHZ		99.7	343	51	P		38.01	17.83	18.39	0.00	-0.56*	1.00		0.207			
PUK	AC	HHN		99.7	343	51	S		52.83	32.65	32.18	0.00	0.47	1.00S		0.406			
FNA	AC	HHZ		104.8	115	51	P		39.22	19.04	19.27	0.00	-0.23	1.00		0.294			
FNA	AC	HHE		104.8	115	51	S		53.28	33.10	33.72	0.00	-0.62*	1.00S		0.389			

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015	10	08	0508	37.15	41 12.39	20E16.47	0.01	0.65	1.45	3.52	2.36	2.76 2.4

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	37.7	At1	105	5	0	14	7	14	#	3.00	0.27 L	3.00 0.36 D

REGION= Elbasan, Rajoni Elbasan (Elbasan, 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
TIR	AC	HHZ		37.7	295	61	P		44.10	6.95	7.72	0.00	-0.77*	1.01		0.300	1.00	19	2.40 D

TIR	AC	HHN	37.7	295	61	6	0.00-37.15	7.72	0.00	0.00	0.000	1.00			2.1	.23	2.36	L		
						S	50.30	13.15	13.51	0.00	-0.36	1.01S	0.467							
PHP	AC	HHZ	54.9	14	51	P	47.71	10.56	10.69	0.00	-0.13	1.01	0.230	1.00	28	2.76	D			
PHP	AC	HHN	54.9	14	51	6	0.00-37.15	10.69	0.00	0.00	0.000	1.00				0.72	.63	2.08	L	
						S	56.73	19.58	18.71	0.00	0.87*	1.01S	0.433							
KBN	AC	HHZ	77.8	146	51	P	51.29	14.14	14.63	0.00	-0.49	1.01	0.185	1.00	43	3.14	D			
KBN	AC	HHN	77.8	146	51	6	60.00	22.85	14.63	0.00	0.00	0.000	1.00				1.3	.40	2.63	L
						S	63.53	26.38	25.60	0.00	0.78*	1.01S	0.243							
PUK	AC	HHZ	98.2	342	51	P	54.77	17.62	18.13	0.00	-0.51*	1.01	0.176							
PUK	AC	HHN	98.2	342	51	S	69.51	32.36	31.73	0.00	0.63*	1.01S	0.382							
FNA	AC	HHZ	104.6	116	51	P	55.62	18.47	19.23	0.00	-0.76*	1.01	0.239							
FNA	AC	HHE	104.6	116	51	S	70.02	32.87	33.65	0.00	-0.78*	1.01S	0.335							
LSK	AC	HHZ	120.5	166	51	P	60.10	22.95	21.96	0.00	0.99*	1.00	0.173							
LSK	AC	HHN	120.5	166	51	S	75.23	38.08	38.43	0.00	-0.35	1.01S	0.276							
SRN	AC	HHZ	149.1	190	51	P	64.71	27.56	26.88	0.00	0.68*	0.96	0.175							
SRN	AC	HHE	149.1	190	51	S	84.48	47.33	47.04	0.00	0.29	0.96S	0.381							

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015	10	08	0614	19.99	41 43.15	19E43.39	0.00	0.51	1.74	3.66	2.40	2.89 2.9

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	23	38.6	At1	208	5	0	12	7	14	#	3.00	0.10 L	2.00 0.07 D

REGION= Zejmen Lezhë, Rajoni Lezhë (Zejmen Lezhë, 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	HHZ	38.6	21	61	P		27.99	8.00	7.89	0.00	0.11	1.22	0.448	1.00	36	2.95	D		
PUK	AC	HHN	38.6	21	61	S		34.66	14.67	13.81	0.00	0.86*	1.19S	0.772						
PUK	AC	HHE	38.6	21	61	6		0.00-19.99	7.89	0.00	0.00	0.00	0.000	1.00			1.8	.34	2.30	L
TIR	AC	HHE	42.9	163	51	S		35.68	15.69	15.12	0.00	0.57*	1.22S	0.405						
TIR	AC	HHN	42.9	163	51	6		0.00-19.99	8.64	0.00	0.00	0.00	0.000	1.00			2.1	.37	2.40	L
PHP	AC	HHZ	59.9	93	51	P		32.12	12.13	11.55	0.00	0.58*	1.22	0.378	1.00	30	2.82	D		
PHP	AC	HHN	59.9	93	51	6		0.00-19.99	11.55	0.00	0.00	0.00	0.000	1.00			3.9	.15	2.89	L
						S		40.18	20.19	20.21	0.00	-0.02	1.22S	0.618						
KBN	AC	HHN	150.9	143	51	S		67.77	47.78	47.58	0.00	0.20	1.18S	0.228						
KBN	AC	HHZ	150.9	143	51	P		47.10	27.11	27.19	0.00	-0.08	1.18	0.357						
FNA	AC	HHZ	173.8	126	46	P		47.91	27.92	30.86	0.00	-2.94*	0.00	0.000						
FNA	AC	HHN	173.8	126	46	S		73.84	53.85	54.00	0.00	-0.15	0.99S	0.222						
LSK	AC	HHZ	189.2	156	46	P		54.28	34.29	33.32	0.00	0.97*	0.69	0.103						
LSK	AC	HHN	189.2	156	46	S		79.20	59.21	58.31	0.00	0.90*	0.75S	0.169						
SRN	AC	HHZ	205.6	173	46	P		56.27	36.28	35.93	0.00	0.35	0.57	0.102						
SRN	AC	HHE	205.6	173	46	S		83.71	63.72	62.88	0.00	0.84*	0.56S	0.193						
IGT	AC	HHZ	248.3	167	37	P		59.69	39.70	42.10	0.00	-2.40*	0.00	0.000						

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2015-10-09 0444 31.53 41 36.12 20E37.60 14.35 0.39 2.84 1.61 2.10 2.12 2.1

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 18.0 At1 194 10 0 6 3 6 1.00 0.00 L 2.00 0.39 D
 REGION= Dibër, Rajoni Dibër (Dibër, Dibra 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	HHZ		18.0	301	122	P		35.60	4.07	4.22	0.00	-0.15	1.50		0.673	1.00	9	1.73	D			
PHP	AC	HHN		18.0	301	122		6	0.00-31.53	4.22	0.00			0.00		0.000	1.00				1.5	.11	2.10 L
							S		38.38	6.85	7.38	0.00	-0.54*	1.50S		0.893							
PUK	AC	HHZ		78.2	310	90	P		46.32	14.79	14.09	0.00	0.70*	1.30		0.564	1.00	19	2.50	D			
PUK	AC	HHN		78.2	310	90	S		55.71	24.18	24.66	0.00	-0.48	1.30S		0.857							
FNA	AC	HHZ		111.1	144	71	P		51.07	19.54	19.58	0.00	-0.04	0.20		0.253							
FNA	AC	HHE		111.1	144	71	S		65.48	33.95	34.26	0.00	-0.32	0.20S		0.756							

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2015-10-09 1414 32.38 41 43.30 19E38.75 0.00 0.59 2.95 4.92 2.65 2.39 2.4

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 41.1 At1 233 5 0 8 4 8 # 2.00 0.36 L 2.00 0.01 D
 REGION= Rile Lezhë, Rajoni Lezhë (Rile Lezhë, 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	HHZ		41.1	29	51	P		39.91	7.53	8.32	0.00	-0.79*	1.04		0.444							
PUK	AC	HHE		41.1	29	51	S		47.75	15.37	14.56	0.00	0.81*	1.04S		0.817							
TIR	AC	HHZ		45.4	156	51	P		41.59	9.21	9.06	0.00	0.15	1.04		0.429	1.00	18	2.38	D			
TIR	AC	HHE		45.4	156	51		6	0.00-32.38	9.06	0.00			0.00		0.000	1.00				1.5	.28	2.29 L
							S		49.02	16.64	15.85	0.00	0.78*	1.04S		0.672							
PHP	AC	HHZ		66.3	93	51	P		45.34	12.96	12.65	0.00	0.31	1.04		0.432	1.00	18	2.39	D			
PHP	AC	HHN		66.3	93	51		6	0.00-32.38	12.65	0.00			0.00		0.000	1.00				4.1	.18	3.01 L
							S		54.53	22.15	22.14	0.00	0.01	1.04S		0.691							
FNA	AC	HHZ		179.2	125	46	P		63.31	30.93	31.72	0.00	-0.79*	0.89		0.180							
FNA	AC	HHE		179.2	125	46	S		87.42	55.04	55.51	0.00	-0.47	0.89S		0.331							

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2015-10-13 2144 9.87 40 35.23 19E33.67 16.38 0.90 1.09 1.96 2.41 2.88 2.9

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 14.3 Atl 137 13 0 18 9 18 # 2.00 0.58 L 4.00 0.25 D
 REGION= Palasë, Rajoni Vlorë (Palasë, 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		14.3	203	135	P		13.16	3.29	3.95	0.00	-0.66*	1.50		0.248	1.00	24	2.56	D		
VLO	AC	HHE		14.3	203	135		6	0.00	-9.87	3.95	0.00		0.00		0.000	1.00			12	.15	2.99 L
							S		17.67	7.80	6.91	0.00	0.89*	1.50S		0.558						
SRN	AC	HHZ		87.0	154	93	P		26.10	16.23	15.58	0.00	0.65*	1.50		0.095	1.00	22	2.66	D		
SRN	AC	HHN		87.0	154	93	S		37.95	28.08	27.26	0.00	0.82*	1.50S		0.221						
TIR	AC	HHZ		88.2	16	93	P		26.45	16.58	15.79	0.00	0.79*	1.50		0.177	1.00	39	3.15	D		
TIR	AC	HHN		88.2	16	93		6	0.00	-9.87	15.79	0.00		0.00		0.000	1.00			0.16	.31	1.83 L
							S		38.84	28.97	27.63	0.00	1.34*	1.50S		0.338						
LSK	AC	HHZ		100.6	118	71	P		27.00	17.13	17.81	0.00	-0.68*	1.50		0.075						
LSK	AC	HHN		100.6	118	71	S		41.87	32.00	31.17	0.00	0.83*	1.50S		0.194						
KBN	AC	HHZ		103.9	87	71	P		26.85	16.98	18.32	0.00	-1.34*	1.50		0.074	1.00	36	3.09	D		
KBN	AC	HHN		103.9	87	71	S		41.86	31.99	32.06	0.00	-0.07	1.50S		0.175						
SCTE	AC	HHZ		108.7	239	71	P		28.36	18.49	19.10	0.00	-0.61*	1.50		0.276						
SCTE	AC	HHN		108.7	239	71	S		43.23	33.36	33.42	0.00	-0.06	1.50S		0.614						
IGT	AC	HHZ		134.3	150	71	P		32.74	22.87	23.18	0.00	-0.31	1.50		0.092						
IGT	AC	HHN		134.3	150	71	S		51.16	41.29	40.57	0.00	0.72*	1.50S		0.227						
PHP	AC	HHZ		142.5	30	71	P		33.32	23.45	24.49	0.00	-1.04*	1.50		0.131						
PHP	AC	HHN		142.5	30	71	S		53.80	43.93	42.86	0.00	1.07*	1.50S		0.245						
FNA	AC	HHZ		155.6	81	71	P		34.56	24.69	26.57	0.00	-1.88*	1.50		0.076						
FNA	AC	HHN		155.6	81	71	S		56.17	46.30	46.50	0.00	-0.20	1.50S		0.173						

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2015-10-14 0631 26.72 40 54.83 19E47.83 23.62 0.36 1.22 32.71 2.18 2.54 2.5

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 48.5 Atl 158 5 0 10 4 10 - 2.00 0.22 L 1.00 0.00 D
 REGION= 7 Km J-L të Lushnjes, Rajoni Lushnje (7 Km S-E of Lushnja, Lushnja 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		48.5	6	90	P		36.39	9.67	9.31	0.00	0.36	1.00		0.396	1.00	18	2.54	D		
TIR	AC	HHE		48.5	6	90		6	0.00	-26.72	9.31	0.00		0.00		0.000	1.00			0.57	.31	1.96 L
							S		42.73	16.01	16.29	0.00	-0.28	1.00S		0.423						
VLO	AC	HHZ		55.6	208	90	P		37.25	10.53	10.44	0.00	0.09	1.00		0.895						
VLO	AC	HHE		55.6	208	90	S		44.66	17.94	18.27	0.00	-0.33	1.00S		0.602						
PHP	AC	HHZ		101.2	31	90	P		43.97	17.25	17.70	0.00	-0.45	1.00		0.156						
PHP	AC	HHN		101.2	31	90		6	0.00	-26.72	17.70	0.00		0.00		0.000	1.00			0.46	.23	2.39 L
							S		57.93	31.21	30.97	0.00	0.24	1.00S		0.305						
LSK	AC	HHZ		108.7	141	90	P		45.94	19.22	18.90	0.00	0.32	1.00		0.261						
FNA	AC	HHZ		134.6	95	90	P		50.32	23.60	23.04	0.00	0.46	1.00		0.192						

FNA	AC	HHN	134.6	95	90	S	66.48	39.76	40.32	0.00	-0.56*	0.99S	0.555
IGT	AC	HHZ	160.0	163	90	P	53.88	27.16	27.09	0.00	0.07	1.00	0.209

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG	
2015	10	16	0228	9.79	40 52.62	20E31.05	1.67	0.27	0.61	1.60	2.37	2.65	2.6

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	19	36.2	Atl	112	21	0	12	6	13	#	4.00	0.33 L	2.00 0.01 D

REGION= 13 Km P të Pogradecit, Rajoni Pogradecit (13 Km W of Pogradeci, 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		36.2	140	51	P		17.34	7.55	7.25	0.00	0.30	1.15		0.251	1.00	26	2.66 D	
KBN	AC	HHN		36.2	140	51		6	0.00	-9.79	7.25	0.00		0.00		0.000	1.00		8.0 .43	2.92 L
							S		22.97	13.18	12.69	0.00	0.49	1.15S		0.309				
FNA	AC	HHZ		73.8	97	51	P		23.35	13.56	13.72	0.00	-0.16	1.15		0.300	1.00	24	2.64 D	
FNA	AC	HHE		73.8	97	51	S		33.53	23.74	24.01	0.00	-0.27	1.15S		0.512				
TIR	AC	HHZ		75.7	314	51	P		24.00	14.21	14.05	0.00	0.16	1.15		0.289				
TIR	AC	HHN		75.7	314	51		6	0.00	-9.79	14.05	0.00		0.00		0.000	1.00		0.20 .80	1.80 L
							S		34.44	24.65	24.59	0.00	0.06	1.15S		0.484				
LSK	AC	HHZ		81.0	175	51	P		23.95	14.16	14.95	0.00	-0.79*	0.37		0.026				
LSK	AC	HHE		81.0	175	51		6	0.00	-9.79	14.95	0.00		0.00		0.000	1.00		0.82 .60	2.46 L
							S		35.70	25.91	26.16	0.00	-0.25	1.15S		0.321				
PHP	AC	HHZ		89.9	356	51	P		26.13	16.34	16.48	0.00	-0.14	1.15		0.271				
PHP	AC	HHN		89.9	356	51		6	0.00	-9.79	16.48	0.00		0.00		0.000	1.00		0.44 .69	2.27 L
							S		38.75	28.96	28.84	0.00	0.12	1.15S		0.469				
SRN	AC	HHZ		119.1	202	51	P		30.86	21.07	21.49	0.00	-0.42	1.15		0.310				
SRN	AC	HHE		119.1	202	51	S		47.58	37.79	37.61	0.00	0.18	1.15S		0.451				
IGT	AC	HHZ		150.2	187	51	P		35.70	25.91	26.85	0.00	-0.94*	0.02		0.000				

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG	
2015	10	21	0623	46.68	40 1.97	20E 3.41	1.30	0.25	1.03	1.24	2.77	2.99	2.8

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	17.6	Atl	207	11	0	8	4	12		3.00	0.07 L	3.00 0.08 D

REGION= 5 Km v të Delvinës, Rajoni Delvinës (5 Km N of Delvina, Delvina 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		17.6	196	61	P		50.68	4.00	3.69	0.00	0.31	1.12		0.465				
SRN	AC	HHN		17.6	196	61		6	0.00	-46.68	3.69	0.00		0.00		0.000	1.00		30 .54	3.27 L
							S		52.82	6.14	6.46	0.00	-0.32	1.12S		0.699				
LSK	AC	HHZ		48.0	74	51	P		55.95	9.27	9.33	0.00	-0.06	1.12		0.440	1.00	37	2.99 D	

LSK	AC	HHE	48.0	74	51	6	60.00	13.32	9.33	0.00	0.00	0.000	1.00			3.6	.47	2.70	L
						S	62.81	16.13	16.33	0.00	-0.20	1.12S	0.564						
IGT	AC	HHZ	60.4	157	51	P	57.96	11.28	11.46	0.00	-0.18	1.12	0.362	1.00	32	2.88	D		
IGT	AC	HHN	60.4	157	51	S	67.06	20.38	20.06	0.00	0.32	1.12S	0.676						
KBN	AC	HHZ	90.3	43	51	P	63.39	16.71	16.60	0.00	0.11	0.63	0.215						
KBN	AC	HHN	90.3	43	51	6	60.00	13.32	16.60	0.00	0.00	0.000	1.00			1.4	.47	2.77	L
						S	76.12	29.44	29.05	0.00	0.39	0.63S	0.575						
FNA	AC	HHZ	140.0	53	51	P	71.76	25.08	25.14	0.00	-0.06	0.00	0.000	1.00	37	3.07	D		
FNA	AC	HHN	140.0	53	51	S	91.82	45.14	43.99	0.00	1.15*	0.00S	0.000						
TIR	AC	HHZ	146.9	354	51	P	75.08	28.40	26.33	0.00	2.07*	0.00	0.000						
PHP	AC	HHZ	186.3	9	46	P	81.13	34.45	32.65	0.00	1.80*	0.00	0.000						

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG		
2015	10	21	1211	59.87	40	3.06	20E36.40	32.92	0.01	1.68	0.77	3.12	3.31	3.3

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	20	11.0	At1	190	8	0	7	3	14		4.00	0.06	L	3.00	0.03	D

REGION= 7 Km J të Leskovikut, Rajoni Leskovikut (7 Km S 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	HHE		11.0	357	159		6	60.00	0.13	5.94	0.00	0.00	0.00	0.000	1.00		49	.72	3.82	L
							S		70.27	10.40	10.40	0.00	0.00	1.78S	0.897						
LSK	AC	HHZ		11.0	357	159	P		65.82	5.95	5.94	0.00	0.01	1.78	0.589	1.00	39	3.16	D		
SRN	AC	HHZ		55.2	251	112	P		70.76	10.89	10.91	0.00	-0.02	1.07	0.375	1.00	39	3.31	D		
SRN	AC	HHN		55.2	251	112	6		60.00	0.13	10.91	0.00	0.00	0.00	0.000	1.00		4.9	.50	3.01	L
							S		78.99	19.12	19.09	0.00	0.03	1.07S	0.802						
IGT	AC	HHE		62.4	203	108	S		81.36	21.49	20.93	0.00	0.46	0.00S	0.000						
IGT	AC	HHZ		62.4	203	108	P		71.85	11.98	11.96	0.00	0.02	0.56	0.606						
KBN	AC	HHZ		65.4	13	107	P		72.33	12.46	12.41	0.00	0.05	0.37	0.234	1.00	40	3.34	D		
KBN	AC	HHN		65.4	13	107	6		60.00	0.13	12.41	0.00	0.00	0.00	0.000	1.00		4.5	.47	3.11	L
							S		81.60	21.73	21.72	0.00	0.01	0.37S	0.493						
FNA	AC	HHN		104.6	38	95	S		92.03	32.16	32.13	0.00	0.03	0.00S	0.000						
FNA	AC	HHZ		104.6	38	95	P		78.76	18.89	18.36	0.00	0.53*	0.00	0.000						
TIR	AC	HHZ		157.0	337	66	P		86.48	26.61	26.25	0.00	0.36	0.00	0.000						
PHP	AC	HHN		182.0	356	58	6		60.00	0.13	29.78	0.00	0.00	0.00	0.000	1.00		0.73	.92	3.13	L
							S		111.59	51.72	52.11	0.00	-0.40	0.00S	0.000						
PHP	AC	HHZ		182.0	356	58	P		89.90	30.03	29.78	0.00	0.25	0.00	0.000						
SCTE	AC	HHZ		182.5	272	58	P		88.79	28.92	29.84	0.00	-0.92*	0.00	0.000						

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG		
2015	10	25	0420	47.19	39	57.89	19E46.89	3.81	0.09	0.70	0.88	2.00	2.06	2.1

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	21.0	Atl	156	8	0	7	3	9		2.00	0.02	L	1.00	0.00	D

REGION= Deti Jonë (Ionian 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			
SRN	AC	HHZ		21.0	116	95	P		51.62	4.43	4.28	0.00	0.15	1.07		0.430	1.00	14	2.06	D		
SRN	AC	HHN		21.0	116	95		6	0.00	-47.19	4.28	0.00		0.00		0.000	1.00		1.4	.25	2.01	L
							S		54.57	7.38	7.49	0.00	-0.11	1.09S		0.692						
IGT	AC	HHZ		67.3	135	62	P		59.47	12.28	12.38	0.00	-0.10	1.09		0.331						
IGT	AC	HHN		67.3	135	62	S		68.92	21.73	21.67	0.00	0.06	1.09S		0.826						
LSK	AC	HHZ		72.7	73	62	P		60.55	13.36	13.31	0.00	0.05	1.09		0.380						
LSK	AC	HHE		72.7	73	62	S		70.46	23.27	23.29	0.00	-0.02	1.09S		0.790						
LSK	AC	HHN		72.7	73	62		6	60.00	12.81	13.31	0.00		0.00		0.000	1.00		0.32	.75	1.98	L
SCTE	AC	HHZ		112.8	277	62	P		67.25	20.06	20.20	0.00	-0.14	0.48		0.547						
SCTE	AC	HHN		112.8	277	62	S		82.00	34.81	35.35	0.00	-0.54*	0.00S		0.000						
FNA	AC	HHZ		163.5	55	55	P		75.56	28.37	28.72	0.00	-0.35	0.00		0.000						

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG	
2015	10	25	0810	57.44	39 55.66	19E47.21	9.72	0.06	0.91	2.01	2.35	2.62	2.4

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	19	19.0	Atl	274	9	0	7	4	13		2.00	0.01	L	2.00	0.02	D

REGION= Deti Jonë (Ionian 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			
SRN	AC	HHZ		19.0	106	109	P		61.36	3.92	4.01	0.00	-0.09	1.14		0.501						
SRN	AC	HHE		19.0	106	109		6	60.00	2.56	4.01	0.00		0.00		0.000	1.00		2.9	.11	2.34	L
							S		64.51	7.07	7.02	0.00	0.05	1.14S		0.837						
IGT	AC	HHZ		64.0	133	93	P		69.10	11.66	11.65	0.00	0.01	1.14		0.501	1.00	23	2.60	D		
IGT	AC	HHE		64.0	133	93	S		77.83	20.39	20.39	0.00	0.00	1.14S		0.832						
LSK	AC	HHZ		73.5	70	93	P		70.82	13.38	13.28	0.00	0.10	1.11		0.476	1.00	24	2.64	D		
LSK	AC	HHE		73.5	70	93	S		80.64	23.20	23.24	0.00	-0.04	1.11S		0.815						
SCTE	AC	HHZ		113.8	279	92	P		77.17	19.73	20.20	0.00	-0.47	0.00		0.000						
SCTE	AC	HHN		113.8	279	92	S		91.76	34.32	35.35	0.00	-0.43	0.00S		0.000						
KBN	AC	HHZ		115.0	47	92	P		79.44	22.00	20.40	0.00	0.60*	0.00		0.000						
KBN	AC	HHN		115.0	47	92		6	60.00	2.56	20.40	0.00		0.00		0.000	1.00		0.35	.43	2.36	L
							S		93.05	35.61	35.70	0.00	-0.09	0.20S		0.035						
LKD2	AC	HHZ		147.0	149	68	P		84.48	27.04	25.61	0.00	0.53*	0.00		0.000						
FNA	AC	HHZ		165.5	54	68	P		85.87	28.43	28.56	0.00	-0.13	0.00		0.000						
FNA	AC	HHE		165.5	54	68	S		107.28	49.84	49.98	0.00	-0.14	0.00S		0.000						

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2015-10-31 0920 32.48 41 22.80 20E14.71 4.38 0.36 0.63 1.88 4.10 3.84 3.8

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 32.0 At1 99 8 0 16 7 18 3.00 0.08 L 3.00 0.06 D

REGION= Ballenje, 12 Km JJ-L të Bulqizës, Rajoni Bulqizë (12 Km SS-E of Bulqiza, Bulqiza 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		32.0	264	61		6	0.00-32.48	6.58	0.00			0.00		0.000	1.00		47 .30 3.65 L
							S		43.77 11.29	11.51	0.00	-0.22	1.10S		0.399				
TIR	AC	HHZ		32.0	264	61	P		39.27 6.79	6.58	0.00	0.21	1.10		0.283	1.00	100	3.78 D	
PHP	AC	HHN		37.6	25	61		6	0.00-32.48	7.65	0.00			0.00		0.000	1.00		142 .43 4.18 L
							S		45.67 13.19	13.39	0.00	-0.20	1.10S		0.360				
PHP	AC	HHZ		37.6	25	61	P		40.58 8.10	7.65	0.00	0.45	1.10		0.285	1.00	104	3.84 D	
LACI	AC	HHZ		52.6	303	51	P		42.28 9.80	10.25	0.00	-0.45	1.10		0.157				
LACI	AC	HHN		52.6	303	51	S		50.38 17.90	17.94	0.00	-0.04	1.10S		0.436				
KKS	AC	HHZ		77.9	10	51	P		47.25 14.77	14.58	0.00	0.19	1.10		0.162				
KKS	AC	HHN		77.9	10	51	S		58.18 25.70	25.51	0.00	0.19	1.10S		0.417				
KBN	AC	HHN		95.6	151	51		6	60.00 27.52	17.63	0.00			0.00		0.000	1.00		27 .86 4.10 L
							S		63.02 30.54	30.85	0.00	-0.31	1.10S		0.413				
KBN	AC	HHZ		95.6	151	51	P		50.43 17.95	17.63	0.00	0.32	1.10		0.185	1.00	127	4.08 D	
FNA	AC	HHE		116.5	124	51	S		68.28 35.80	37.13	0.00	-0.33	0.00S		0.000				
FNA	AC	HHZ		116.5	124	51	P		52.94 20.46	21.22	0.00	-0.46	0.99		0.168				
VLO	AC	HHN		119.3	213	51	S		71.95 39.47	37.99	0.00	0.48	0.00S		0.000				
VLO	AC	HHZ		119.3	213	51	P		54.49 22.01	21.71	0.00	0.30	1.08		0.163				
LSK	AC	HHN		139.8	167	51	S		77.15 44.67	44.15	0.00	0.42	0.94S		0.285				
LSK	AC	HHZ		139.8	167	51	P		57.36 24.88	25.23	0.00	-0.35	0.94		0.127				
SRN	AC	HHE		167.9	188	46	S		85.39 52.91	52.24	0.00	0.37	0.55S		0.117				
SRN	AC	HHZ		167.9	188	46	P		62.23 29.75	29.85	0.00	-0.10	0.55		0.034				

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2015-10-31 0924 8.13 41 20.09 20E16.32 6.09 0.25 0.83 2.45 2.55 2.41 2.4

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 34.1 At1 151 5 0 6 3 6 - 2.00 0.15 L 2.00 0.02 D

REGION= Kostenjë, 19 Km V të Librazhdit, Rajoni Librazhd (Kostenjë, 19 Km N of Librazhdi, Librazhd 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		34.1	273	90	P		14.72 6.59	6.49	0.00	0.10	1.00		0.434	1.00	19	2.39 D	
TIR	AC	HHE		34.1	273	90		6	0.00 -8.13	6.49	0.00			0.00		0.187	1.00		2.5 .20 2.40 L
							S		19.31 11.18	11.36	0.00	-0.18	1.00S		0.659				

PHP	AC	HHZ	41.3	19	90	P		16.21	8.08	7.73	0.00	0.35	1.00	0.818	1.00	19	2.42	D				
PHP	AC	HHN	41.3	19	90		6	0.00	-8.13	7.73	0.00		0.00	0.000	1.00				4.3	.21	2.70	L
						S		21.40	13.27	13.53	0.00	-0.26	1.00S	0.903								
FNA	AC	HHZ	111.8	122	90	P		28.25	20.12	19.84	0.00	0.28	1.00	0.345								
FNA	AC	HHN	111.8	122	90	S		42.58	34.45	34.72	0.00	-0.27	1.00S	0.650								

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG	
2015	10	31	0935	48.07	41 22.57	20E14.26	6.43	0.09	0.56	1.44	2.89	2.43	2.9

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	31.3	Atl	141	7	0	5	3	6	-	2.00	0.01	L	2.00	0.10	D

REGION= Ballenje, 14 Km JJ-L të Bulqizës, Rajoni Bulqizë (14 Km SS-E of Bulqiza, Bulqiza 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		31.3	265	91	P		54.25	6.18	6.02	0.00	0.16	1.02		0.613	1.00	18	2.33	D				
TIR	AC	HHN		31.3	265	91		6	0.00	-48.07	6.02	0.00		0.00		0.000	1.00				7.9	.40	2.88	L
							S		58.50	10.43	10.53	0.00	-0.10	1.04S		0.878								
PHP	AC	HHZ		38.2	26	90	P		55.27	7.20	7.21	0.00	-0.01	1.04		0.628	1.00	22	2.53	D				
PHP	AC	HHN		38.2	26	90		6	60.00	11.93	7.21	0.00		0.00		0.000	1.00				7.0	.41	2.89	L
							S		60.65	12.58	12.62	0.00	-0.04	1.04S		0.878								
LSK	AC	HHZ		139.5	167	90	P		72.16	24.09	24.60	0.00	-0.51*	0.00		0.000								
LSK	AC	HHE		139.5	167	90	S		91.10	43.03	43.05	0.00	-0.02	0.86S		0.999								

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG	
2015	10	31	1007	25.23	41 22.78	20E14.64	4.29	0.10	0.37	1.66	2.60	3.09	3.1

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	31.9	Atl	126	9	0	8	4	10		2.00	0.08	L	2.00	0.08	D

REGION= Ballenje, 14 Km JJ-L të Bulqizës, Rajoni Bulqizë (14 Km SS-E of Bulqiza, Bulqiza 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		31.9	264	62	P		31.52	6.29	6.17	0.00	0.12	1.17		0.445	1.00	48	3.16	D				
TIR	AC	HHN		31.9	264	62		6	0.00	-25.23	6.17	0.00		0.00		0.000	1.00				3.5	.41	2.52	L
							S		35.98	10.75	10.80	0.00	-0.05	1.17S		0.809								
PHP	AC	HHZ		37.6	25	62	P		32.37	7.14	7.16	0.00	-0.02	1.17		0.446	1.00	39	3.01	D				
PHP	AC	HHN		37.6	25	62		6	0.00	-25.23	7.16	0.00		0.00		0.000	1.00				4.4	.41	2.68	L
							S		37.78	12.55	12.53	0.00	0.02	1.17S		0.814								
KBN	AC	HHZ		95.6	151	62	P		42.19	16.96	17.12	0.00	-0.16	1.17		0.352								
KBN	AC	HHN		95.6	151	62	S		55.30	30.07	29.96	0.00	0.11	1.17S		0.527								
FNA	AC	HHZ		116.6	124	62	P		44.68	19.45	20.72	0.00	-0.27	0.01		0.000								
FNA	AC	HHN		116.6	124	62	S		59.73	34.50	36.26	0.00	-0.46	0.00S		0.000								

LSK	AC	HHZ	139.8	167	62	P	50.07	24.84	24.72	0.00	0.12	0.99	0.247
LSK	AC	HHN	139.8	167	62	S	68.41	43.18	43.26	0.00	-0.08	0.99S	0.357

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG		
2015	10	31	1149	20.60	40	2.06	20E37.11	4.70	0.71	3.24	3.55	3.59	3.31	3.3

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	12.9	Atl	192	7	0	8	4	16		2.00	0.23 L	2.00	0.06 D

REGION= 12 Km J të Leskovikut, Rajoni Leskovikut (12 Km S 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		12.9	353	93	P		23.49	2.89	2.84	0.00	0.05	1.31		0.478	1.00	68	3.36 D		
LSK	AC	HHE		12.9	353	93		6	0.00-20.60	2.84	0.00			0.00		0.000	1.00		1371.25	3.82 L	
							S		26.29	5.69	4.97	0.00	0.42	1.31S		0.623					
SRN	AC	HHZ		55.5	253	51	P		30.04	9.44	10.70	0.00	-0.26	1.04		0.212					
SRN	AC	HHE		55.5	253	51	S		38.98	18.38	18.73	0.00	-0.35	1.15S		0.843					
IGT	AC	HHZ		61.1	204	51	P		31.87	11.27	11.66	0.00	-0.39	0.95		0.431					
IGT	AC	HHE		61.1	204	51	S		42.26	21.66	20.40	0.00	0.25	0.86S		0.398					
KBN	AC	HHZ		67.0	12	51	P		32.81	12.21	12.67	0.00	-0.46	0.69		0.231					
KBN	AC	HHE		67.0	12	51	S		42.42	21.82	22.17	0.00	-0.35	0.69S		0.779					
FNA	AC	HHZ		105.4	37	51	P		39.86	19.26	19.27	0.00	-0.01	0.00		0.000					
FNA	AC	HHN		105.4	37	51	S		54.66	34.06	33.72	0.00	0.34	0.00S		0.000					
VLO	AC	HHZ		107.0	298	51	P		40.09	19.49	19.55	0.00	-0.06	0.00		0.000					
VLO	AC	HHN		107.0	298	51	S		55.33	34.73	34.21	0.00	0.39	0.00S		0.000					
TIR	AC	HHZ		159.1	337	46	P		49.54	28.94	28.41	0.00	0.25	0.00		0.000	1.00	45	3.25 D		
TIR	AC	HHE		159.1	337	46		6	60.00	39.40	28.41	0.00		0.00		0.000	1.00		1.8	.81	3.36 L
							S		70.49	49.89	49.72	0.00	0.17	0.00S		0.000					
PHP	AC	HHZ		183.9	356	46	P		52.78	32.18	32.36	0.00	-0.18	0.00		0.000					
PHP	AC	HHN		183.9	356	46	S		76.72	56.12	56.63	0.00	-0.48	0.00S		0.000					

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

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2015-10-09 1330 44.50 40 29.88 21E21.03 7.58 0.21 0.94 2.94 2.21 2.33 2.3

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 19 31.6 At1 193 20 0 10 6 12 2.00 0.07 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
FNA	AC	HHZ		31.6	5	94	P		50.74	6.24	6.07	0.00	0.17	1.27		0.420			
FNA	AC	HHN		31.6	5	94	S		55.10	10.60	10.62	0.00	-0.02	1.27S		0.591			
KBN	AC	HHZ		49.7	287	92	P		53.60	9.10	9.17	0.00	-0.07	1.27		0.181	1.00	17	2.33 D
KBN	AC	HHE		49.7	287	92	S		60.53	16.03	16.05	0.00	-0.02	1.27S		0.812			
KBN	AC	HHN		49.7	287	92		6	60.00	15.50	9.17	0.00		0.00		0.000	1.00		1.3 .30 2.28 L
LSK	AC	HHZ		74.7	240	91	P		56.04	11.54	13.47	0.00	-1.93*	0.00		0.000			
LSK	AC	HHN		74.7	240	91		6	60.00	15.50	13.47	0.00		0.00		0.000	1.00		0.44 .28 2.14 L
							S		66.82	22.32	23.57	0.00	-1.25*	0.34S		0.050			
SRN	AC	HHZ		133.9	240	90	P		68.14	23.64	23.63	0.00	0.01	1.14		0.391			
SRN	AC	HHE		133.9	240	90	S		86.09	41.59	41.35	0.00	0.24	1.14S		0.468			
IGT	AC	HHZ		138.2	220	68	P		68.51	24.01	24.34	0.00	-0.33	1.09		0.315			
IGT	AC	HHN		138.2	220	68	S		87.30	42.80	42.60	0.00	0.20	1.09S		0.758			
LKD2	AC	HHZ		198.8	198	68	P		82.98	38.48	34.01	0.00	4.47*	0.00		0.000			
LKD2	AC	HHN		198.8	198	68	S		103.72	59.22	59.52	0.00	-0.30	0.13S		0.011			

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2015-10-09 1548 48.95 40 29.02 21E32.31 6.33 0.57 5.78 6.06 3.49

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 18 35.6 At1 265 21 0 12 6 12 # 0.00 0.00 L 4.00 0.04 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		35.6	339	61	P		56.60	7.65	7.27	0.00	0.38	1.18		0.404			
FNA	AC	HHE		35.6	339	61	S		62.06	13.11	12.72	0.00	0.39	1.18S		0.452			
KBN	AC	HHZ		65.5	284	51	P		60.96	12.01	12.47	0.00	-0.46	1.18		0.280	1.00	57	3.37 D
KBN	AC	HHN		65.5	284	51	S		70.78	21.83	21.82	0.00	0.01	1.18S		0.717			
LSK	AC	HHZ		88.1	246	51	P		64.73	15.78	16.35	0.00	-0.57*	1.18		0.293	1.00	62	3.46 D

LSK	AC	HHN	88.1	246	51	S	77.08	28.13	28.61	0.00	-0.48	1.18S	0.353						
SRN	AC	HHZ	147.2	244	51	P	76.29	27.34	26.50	0.00	0.84*	1.09	0.267						
SRN	AC	HHE	147.2	244	51	S	95.88	46.93	46.38	0.00	0.55*	1.09S	0.326						
PHP	AC	HHZ	162.2	326	46	P	76.47	27.52	28.95	0.00	-1.43*	0.19	0.010	1.00	63	3.54	D		
PHP	AC	HHN	162.2	326	46	S	98.66	49.71	50.66	0.00	-0.95*	0.92S	0.620						
TIR	AC	HHZ	170.5	305	46	P	79.03	30.08	30.29	0.00	-0.21	0.83	0.084	1.00	60	3.51	D		
TIR	AC	HHE	170.5	305	46	S	102.92	53.97	53.01	0.00	0.96*	0.81S	0.188						

YEAR	MO	DA	--ORIGIN--	--LAT	N-	--LON	W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG	
2015	10	13	0727	52.58	38	25.99	21E	42.06	127.32	0.54	9.62	3.95	3.45	5.16	3.5

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	13	99.1	At1	299	7	0	8	1	10		2.00	0.02	L	2.00	0.08	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	99.1	294	139	P			75.89	23.31	23.20	0.00	0.11	1.30		0.959	1.00	95	5.24	D			
LKD2	AC	HHE	99.1	294	139	S			93.23	40.65	40.60	0.00	0.05	1.30S		0.969							
IGT	AC	HHZ	170.3	317	122	P			82.05	29.47	30.39	0.00	-0.92*	1.23		0.125	1.00	73	5.08	D			
LSK	AC	HHZ	213.0	334	116	P			88.77	36.19	35.32	0.00	0.87*	1.29		0.209							
LSK	AC	HHN	213.0	334	116		6		120.00	67.42	35.32	0.00		0.00		0.000	1.00			0.68	.54	3.43	L
LSK	AC	HHE	213.0	334	116		6		120.00	67.42	35.32	0.00		0.00		0.000	1.00			0.74	.68	3.46	L
KBN	AC	HHZ	255.6	343	111	P			92.48	39.90	40.47	0.00	-0.57*	1.30		0.313							
FNA	AC	HHZ	262.2	355	111	P			94.02	41.44	41.28	0.00	0.16	1.30		0.509							
SCTE	AC	HHZ	333.5	305	106	P			103.23	50.65	50.22	0.00	0.43	1.30		0.551							
NOCI	AC	HHZ	476.6	305	100	P			120.84	68.26	68.65	0.00	-0.39	0.90		0.357							
MRVN	AC	HHZ	555.1	304	99	P			130.18	77.60	78.87	0.00	-1.27*	0.10		0.004							
SGRT	AC	HHZ	626.7	308	97	P			139.29	86.71	88.24	0.00	-1.53*	0.00		0.000							

YEAR	MO	DA	--ORIGIN--	--LAT	N-	--LON	W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG	
2015	10	13	1646	59.66	40	7.88	21E	28.52	0.09	0.36	2.35	3.29	2.23	2.92	2.9

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	72.6	At1	243	7	0	10	5	10	#	2.00	0.02	L	2.00	0.01	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	72.6	354	51	P			73.89	14.23	13.73	0.00	0.50	1.00		0.378							
FNA	AC	HHE	72.6	354	51	S			83.92	24.26	24.03	0.00	0.23	1.00S		0.747							
LSK	AC	HHZ	74.7	272	51	P			73.39	13.73	14.09	0.00	-0.36	1.00		0.250	1.00	33	2.91	D			
LSK	AC	HHN	74.7	272	51		6		60.00	0.34	14.09	0.00		0.00		0.000	1.00			0.57	.31	2.25	L

						S		84.52	24.86	24.66	0.00	0.20	1.00S		0.355				
KBN	AC	HHZ	80.0	314	51	P		74.48	14.82	15.00	0.00	-0.18	1.00		0.292	1.00	33	2.92	D
KBN	AC	HHN	80.0	314	51		6	60.00	0.34	15.00	0.00		0.00		0.000	1.00			0.47 .43 2.21 L
						S		85.49	25.83	26.25	0.00	-0.42	1.00S		0.483				
IGT	AC	HHZ	118.5	237	51	P		80.83	21.17	21.61	0.00	-0.44	1.00		0.340				
IGT	AC	HHN	118.5	237	51	S		97.89	38.23	37.82	0.00	0.41	1.00S		0.628				
SRN	AC	HHZ	129.0	258	51	P		82.84	23.18	23.41	0.00	-0.23	1.00		0.230				
SRN	AC	HHN	129.0	258	51	S		101.03	41.37	40.97	0.00	0.40	1.00S		0.292				

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
2015-10-16 0016 45.40 41 0.89 17E29.99 3.71 5.03 23.33 82.76

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 12 44.5 Atl 132 23 0 12 0 12 # 0.00 0.00 L 0.00 0.00 D
REGION= Itali e Jugut (Southern Italy)

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
NOCI	AC	HHZ		44.5	236	62	P		63.73	18.33	8.47	0.00	9.86*	0.99		0.459			
MRVN	AC	HHZ		109.8	274	62	P		63.32	17.92	19.69	0.00	-1.77*	1.09		0.421			
SCTE	AC	HHZ		132.5	141	62	P		69.18	23.78	23.61	0.00	0.17	1.09		0.572			
SGRT	AC	HHZ		166.9	300	55	P		69.45	24.05	29.26	0.00	-5.21*	1.09		0.499			
VLO	AC	HHZ		179.2	109	55	P		79.34	33.94	31.22	0.00	2.72*	1.09		0.260			
TIR	AC	HHZ		201.9	78	55	P		85.89	40.49	34.85	0.00	5.64*	1.09		0.548			
SRN	AC	HHZ		246.8	119	43	P		81.59	36.19	41.30	0.00	-5.11*	1.09		0.259			
PHP	AC	HHZ		257.2	72	43	P		92.51	47.11	42.68	0.00	4.43*	1.09		0.291			
LSK	AC	HHZ		279.5	109	43	P		88.42	43.02	45.62	0.00	-2.60*	1.09		0.206			
KBN	AC	HHZ		280.8	97	43	P		91.14	45.74	45.80	0.00	-0.06	1.09		0.187			
IGT	AC	HHZ		291.7	123	43	P		84.32	38.92	47.24	0.00	-8.32*	1.09		0.289			
LKD2	AC	HHZ		366.1	131	43	P		88.21	42.81	57.09	0.00	-14.28*	0.10		0.003			

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
2015-10-21 0123 31.10 38 39.17 20E35.60 1.03 0.37 1.74 1.45 3.19 3.69 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
8 12 100.2 Atl 336 8 0 8 4 8 # 3.00 0.19 L 4.00 0.18 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		100.2	347	51	P		48.55	17.45	18.47	0.00	-0.02	0.29		0.049	1.00	67	3.54 D
IGT	AC	HHN		100.2	347	51	S		63.44	32.34	32.32	0.00	0.02	1.11S		0.949			
SRN	AC	HHZ		145.5	340	51	P		57.16	26.06	26.26	0.00	-0.20	1.11		0.487	1.00	60	3.48 D

SRN	AC	HHN	145.5	340	51	6	60.00	28.90	26.26	0.00	0.00	0.000	1.00			0.61	.62	2.80	L
						S	77.43	46.33	45.96	0.00	0.38	1.11S	0.789						
LSK	AC	HHZ	166.2	0	46	P	61.46	30.36	29.64	0.00	0.42	1.07	0.332	1.00	88	3.83	D		
LSK	AC	HHN	166.2	0	46	6	60.00	28.90	29.64	0.00	0.00	0.000	1.00			1.7	.72	3.38	L
						S	82.76	51.66	51.87	0.00	-0.21	1.11S	0.476						
KBN	AC	HHZ	219.5	4	46	P	69.61	38.51	38.14	0.00	0.37	1.11	0.413	1.00	104	4.02	D		
KBN	AC	HHN	219.5	4	46	6	60.00	28.90	38.14	0.00	0.00	0.000	1.00			0.54	.68	3.19	L
						S	97.68	66.58	66.74	0.00	-0.16	1.11S	0.501						

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015	10	24	2306	27.04	39 41.32	20E22.90	6.59	0.10	0.64	2.66	1.63	1.96 2.0

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	18.0	Atl	176	6	0	6	3	9	-	2.00	0.26 L	2.00 0.20 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		18.0	195	94	P		30.65	3.61	3.73	0.00	-0.12	1.03		0.521	1.00	10	1.76 D
IGT	AC	HHE		18.0	195	94	S		33.59	6.55	6.53	0.00	0.02	1.03S		0.843			
SRN	AC	HHZ		38.9	304	91	P		34.56	7.52	7.33	0.00	0.19	0.85		0.401	1.00	14	2.15 D
SRN	AC	HHE		38.9	304	91	6		0.00	-27.04	7.33	0.00		0.00		0.000	1.00		0.21 .28 1.37 L
							S		39.73	12.69	12.83	0.00	-0.14	1.03S		0.867			
LSK	AC	HHZ		54.5	19	90	P		36.98	9.94	9.98	0.00	-0.04	1.03		0.521			
LSK	AC	HHE		54.5	19	90	6		0.00	-27.04	9.98	0.00		0.00		0.000	1.00		0.46 .54 1.89 L
							S		44.50	17.46	17.47	0.00	0.00	1.03S		0.843			
KBN	AC	HHZ		109.4	18	90	P		46.88	19.84	19.43	0.00	0.41	0.00		0.000			
FNA	AC	HHZ		148.3	34	68	P		53.13	26.09	26.01	0.00	0.08	0.00		0.000			
FNA	AC	HHE		148.3	34	68	S		72.99	45.95	45.52	0.00	0.43	0.00S		0.000			

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015	10	27	0125	53.43	39 10.61	24E21.65	51.13	0.42	2.75	37.39	4.70	

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	20	201.0	Atl	300	16	0	13	4	14	-	3.00	0.01 L	0.00 0.00 D

REGION= Deti Egje (Aegean 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
THE	AC	HHZ		201.0	324	90	P		85.85	32.42	31.21	0.00	0.21	0.37		0.033			
THE	AC	HHE		201.0	324	90	S		108.36	54.93	54.62	0.00	0.31	1.14S		0.504			
FNA	AC	HHZ		310.6	306	90	P		98.72	45.29	45.71	0.00	-0.42	1.14		0.153			
FNA	AC	HHE		310.6	306	90	S		132.92	79.49	79.99	0.00	-0.40	1.14S		0.366			

LKD2	AC	HHZ	323.8	264	90	P	100.66	47.23	47.46	0.00	-0.23	1.14	0.262							
LKD2	AC	HHE	323.8	264	90	S	136.45	83.02	83.06	0.00	-0.04	1.14S	0.530							
LSK	AC	HHZ	340.5	290	90	P	103.74	50.31	49.67	0.00	0.64*	1.14	0.159							
LSK	AC	HHN	340.5	290	90		6	120.00	66.57	49.67	0.00		0.00	0.000	1.00		5.61.13	4.71	L	
KBN	AC	HHZ	345.3	299	90	P	103.66	50.23	50.30	0.00	-0.07	1.14	0.203							
KBN	AC	HHN	345.3	299	90		6	120.00	66.57	50.30	0.00		0.00	0.000	1.00		5.31.00	4.70	L	
IGT	AC	HHZ	349.8	278	90	P	104.09	50.66	50.90	0.00	-0.24	1.14	0.153							
SRN	AC	HHZ	383.1	284	90	P	108.60	55.17	55.30	0.00	-0.13	1.14	0.946							
SRN	AC	HHE	383.1	284	90		6	120.00	66.57	55.30	0.00		0.00	0.000	1.00		2.21.82	4.42	L	
						S		150.41	96.98	96.78	0.00	0.21	1.14S	0.382						
PHP	AC	HHZ	433.9	312	90	P	114.94	61.51	62.02	0.00	-0.51*	1.14	0.187							
VLO	AC	HHZ	440.8	291	90	P	117.16	63.73	62.93	0.00	0.80*	1.13	0.116							
TIR	AC	HHZ	452.2	304	90	P	119.35	65.92	64.44	0.00	1.48*	0.01	0.000							

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015	10	29	2000	13.93	39 58.94	20E24.15	4.00	0.80	1.79	2.78	2.78	2.61 2.8

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	25.0	At1	146	5	0	10	5	10	#	2.00	0.11 L	3.00 0.13 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		25.0	41	61	P		19.27	5.34	5.26	0.00	0.08	1.13		0.420	1.00	26	2.61 D
LSK	AC	HHN		25.0	41	61		6	0.00	-13.93	5.26	0.00		0.00		0.000	1.00		5.8 .18 2.67 L
							S		23.29	9.36	9.20	0.00	0.15	1.13S		0.490			
SRN	AC	HHZ		36.2	252	61	P		20.49	6.56	7.42	0.00	-0.86*	1.13		0.382	1.00	21	2.48 D
SRN	AC	HHE		36.2	252	61		6	0.00	-13.93	7.42	0.00		0.00		0.000	1.00		7.3 .37 2.88 L
							S		25.69	11.76	12.98	0.00	-1.23*	1.13S		0.376			
IGT	AC	HHZ		50.4	188	51	P		23.98	10.05	9.93	0.00	0.12	1.13		0.341			
IGT	AC	HHN		50.4	188	51	S		32.38	18.45	17.38	0.00	1.07*	1.13S		0.772			
VLO	AC	HHZ		94.2	306	51	P		32.08	18.15	17.45	0.00	0.70*	1.11		0.240	1.00	29	2.82 D
VLO	AC	HHN		94.2	306	51	S		45.63	31.70	30.54	0.00	1.16*	1.11S		0.659			
FNA	AC	HHZ		121.7	42	51	P		34.27	20.34	22.18	0.00	-1.84*	0.27		0.015			
FNA	AC	HHN		121.7	42	51	S		53.03	39.10	38.82	0.00	0.28	0.75S		0.299			

T rmete t  larg ta (Long distance earthquake)

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2015-10-20 2210 30.07 14.87 167.35

SOURCE

NSTA NPHS DMIN MODEL GAP ITR NFM NWR NWS NVR REMRKS-AVH N.XMG-XMMAD-T N.FMG-FMMAD-T L F X

REGION= VANVATA

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
SCTE	AC	HHZ		101.2	125	62	P		45.00	14.93	18.29	0.00	-3.36*	1.00		0.686			
TIR	AC	HHZ		214.9	66	55	P		72.59	42.52	36.99	0.00	5.53*	1.00		0.881			
SRN	AC	HHZ		227.5	110	43	P		75.33	45.26	38.85	0.00	6.41*	1.00		0.380			
LSK	AC	HHZ		267.8	100	43	P		73.73	43.66	44.19	0.00	-0.53*	1.00		0.188			
PHP	AC	HHZ		273.8	63	43	P		71.81	41.74	44.98	0.00	-3.24*	1.00		0.690			
KBN	AC	HHZ		277.9	88	43	P		71.32	41.25	45.52	0.00	-4.27*	1.00		0.173			

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2015-10-26 0916 6.45 36.48 70.91

SOURCE

NSTA NPHS DMIN MODEL GAP ITR NFM NWR NWS NVR REMRKS-AVH N.XMG-XMMAD-T N.FMG-FMMAD-T L F X

REGION= Afganistan (Hindo Kush Region, Afghanistan)

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		161.0	317	46	P		32.90	26.45	28.82	0.00	-2.37*	1.05		0.639			
LSK	AC	HHZ		185.8	285	46	P		40.40	33.95	32.77	0.00	1.18*	1.05		0.411			
KBN	AC	HHZ		190.5	302	46	P		38.96	32.51	33.51	0.00	-1.00*	1.05		0.334			
IGT	AC	HHZ		205.6	265	46	P		41.78	35.33	35.92	0.00	-0.59*	1.05		0.376			
LKD2	AC	HHZ		206.4	240	46	P		40.67	34.22	36.05	0.00	-1.83*	1.05		0.929			
SRN	AC	HHZ		232.4	275	37	P		53.66	47.21	39.99	0.00	7.22*	0.71		0.525			
PHP	AC	HHZ		288.2	320	37	P		54.90	48.45	47.38	0.00	1.07*	1.05		0.782			
TIR	AC	HHZ		299.5	308	37	P		42.77	36.32	48.86	0.00	-12.54*	0.00		0.000			

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

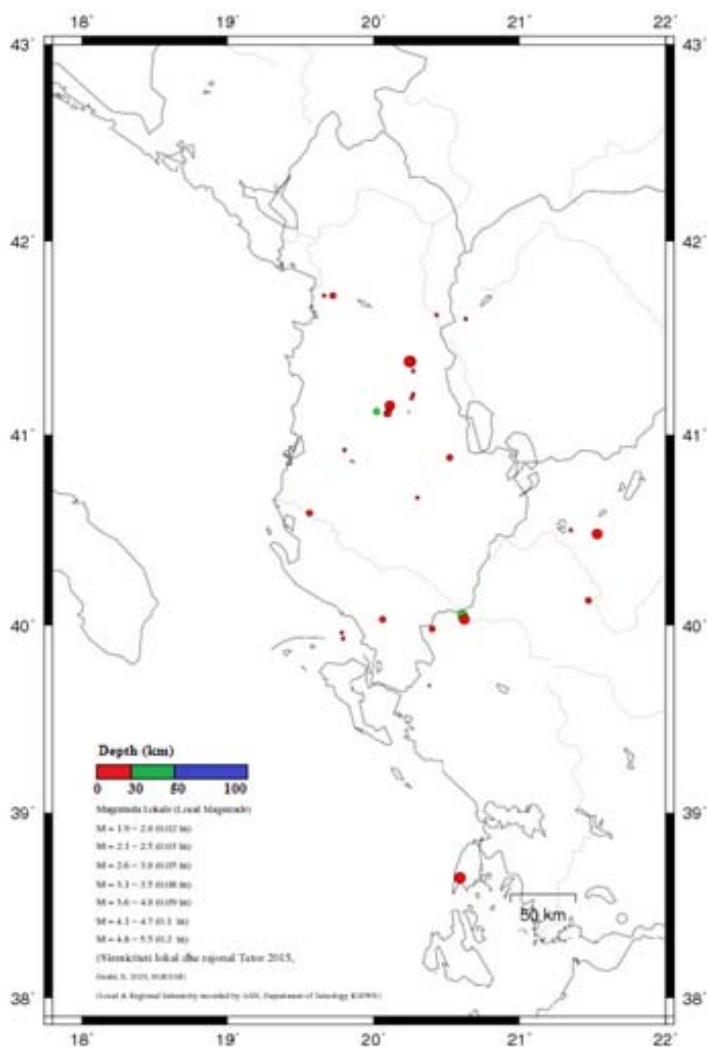
Ngjarja 1 (Event 1):

Datë 31.10.2015, në orën 09:20:40.47 (UTC); lokalizuar 41.38; 20.25L, Ballenje , Bulqize; Intensiteti i tërmetit në epiqendër I_0 = IV-V ballë (EMS-98); Ndjerë: IV-V ballë në fshatin Ballenjë dhe zonen rreth tij, IV ballë në qytetin Bulqizes, III-IV në qytetet Peshkopi, Burrel, Tirane, Elbasan, Librazhd.

(Intensity I_0 = IV-V degree (EMS-98), felt IV-V degree at Ballenje village and its surrounding, IV degree at Bulqiza town, III-IV at Peshkopi, Burreli, Tirana, Elbasani, Librazhdi towns.

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 $I_0 = (\text{Mag} (M_L/d) - 1)/0.6$



-Fig. 3 -

Harta e shpërndarjes në hapësirë të epiqendrave, në përputhje me magnitudo (madhësia e simbolit) dhe thellësinë (ngjyra e simbolit); Ngjarjet janë lokalizuar gjatë muajit Tetor 2015, bazuar në regjistrimet e ASN dhe stacioneve sizmologjike në rajon.

(Epicentral map for located seismicity within Albania and surrounding during October 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 ₀ -43 ₀ V; 18.5 ₀ -21.5 ₀ L)	[total recorded number of seismic events]	28
Numuri i ngjarjeve sizmike brenda kufirit shtetëror	[earthquakes occurred within state border]	22
Thellësia mesatare e vrojtuar (km)	[mean observed depth]	10
Thellësia maksimale e vrojtuar (km)	[maximum observed depth]	33
Magnituda lokale minimale e vrojtuar (M _{Ld})	[minimum observed local magnitude]	1.5
Magnituda lokale maksimale e vrojtuar (M _{Ld})	[maximum observed local magnitude]	3.8
Intensiteti maksimal i vrojtuar (MSK-64)	[maximum observed intensity]	IV-V

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