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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)

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 Ndihmës (Auxilliary Network Stations)**

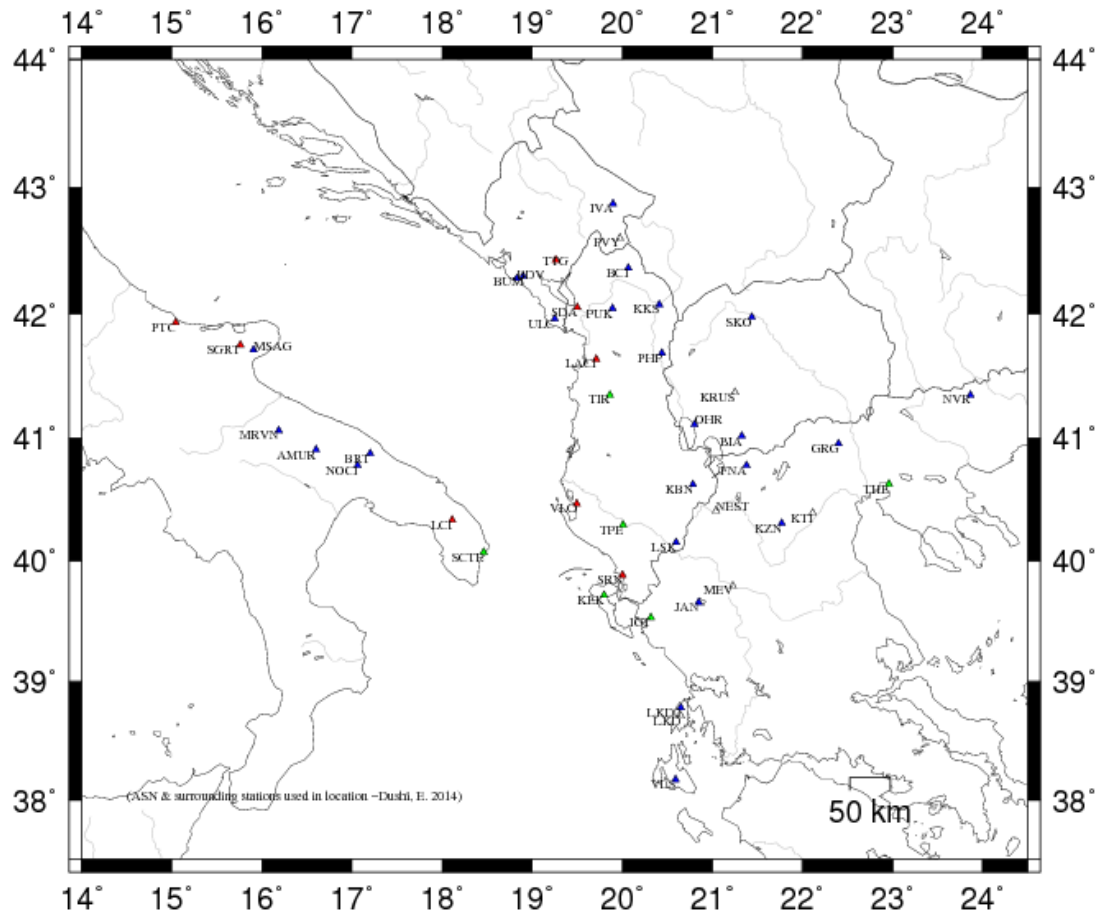
**Tab. 3 – Rrjeti Sizmologjik Ndihmës (MSO, SKO, AUTH, NAO, INGV)**

Kodi	Regjistruar (Po/Jo)	Gjer. Gjeo.	Gjat. Gjeo.	Lartesia	Tipi i stacionit	Sensori	Terheqja e Informacionit	Komunikimi	T <sub>0</sub>
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 <sub>0</sub>
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), INGV, rrjetit sizmologjik Malazez (PDG) dhe atij Maqedonas (SKO).  
[Seismological station distribution map for ASN, THE, ATH, INGV, PDG & SKO]

**Përshkrimi i terminologjisë 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) [ <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 &amp; S readings with weights &gt; 0.1</i> ].
NWS	Numri i fazave S me peshë statistikore > 0.1 [ <i>number of S-phases with weights &gt; 0.1</i> ].
NVR	Numri i fazave P & S, të vlefshme për lokalizim [ <i>number of P &amp; S phases valid for location, assigned weights &gt; 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> ].
<b>Shënim:</b>	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-karaktare (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 &amp; 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 &amp; 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  
 2015-12-05 1750 0.53 40 30.44 20E 3.77 1.28 0.14 0.30 0.98 2.90 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  
 19 28 48.3 At1 84 10 0 16 8 18 6.00 0.17 L 2.00 0.05 D  
 REGION= 12 Km J të Policanit, Rajoni Berat (12 Km S of Policani, 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		
TPE	AC	HHE		23.9	190	61	S		9.76	9.23	8.61	0.00	0.42	0.00S		0.000					
TPE	AC	HHZ		23.9	190	61	P		6.07	5.54	4.92	0.00	0.32	0.00		0.000					
VLO	AC	HHN		48.3	266	51		6	0.00	-0.53	9.38	0.00		0.00		0.000	1.00	14	.37	3.28	L
							S		16.81	16.28	16.42	0.00	-0.14	1.19S		0.533					
VLO	AC	HHZ		48.3	266	51	P		10.05	9.52	9.38	0.00	0.14	1.19		0.285	1.00	32	2.87	D	
LSK	AC	HHE		60.4	130	51	S		20.53	20.00	20.07	0.00	-0.07	1.19S		0.316					
LSK	AC	HHZ		60.4	130	51	P		11.81	11.28	11.47	0.00	-0.19	1.19		0.213					
LSK	AC	HHN		60.4	130	51		6	0.00	-0.53	11.47	0.00		0.00		0.000	1.00	3.3	.47	2.83	L
KBN	AC	HHE		62.7	77	51		6	0.00	-0.53	11.86	0.00		0.00		0.000	1.00	2.1	.43	2.66	L
							S		21.41	20.88	20.75	0.00	0.13	1.19S		0.378					
KBN	AC	HHZ		62.7	77	51	P		12.40	11.87	11.86	0.00	0.01	1.19		0.233					
SRN	AC	HHN		69.9	185	51		6	0.00	-0.53	13.09	0.00		0.00		0.000	1.00	4.0	.36	3.05	L
							S		23.50	22.97	22.91	0.00	0.06	1.19S		0.371					
SRN	AC	HHZ		69.9	185	51	P		13.55	13.02	13.09	0.00	-0.07	1.19		0.232	1.00	35	2.96	D	
TIR	AC	HHE		94.8	350	51		6	0.00	-0.53	17.37	0.00		0.00		0.000	1.00	1.1	.37	2.71	L
							S		31.06	30.53	30.40	0.00	0.13	1.14S		0.483					
TIR	AC	HHZ		94.8	350	51	P		17.75	17.22	17.37	0.00	-0.15	1.14		0.259					
IGT	AC	HHN		110.7	168	51	S		35.78	35.25	35.19	0.00	0.06	0.91S		0.200					
IGT	AC	HHZ		110.7	168	51	P		20.91	20.38	20.11	0.00	0.27	0.91		0.130					
FNA	AC	HHN		115.8	74	51	S		36.94	36.41	36.72	0.00	-0.31	0.78S		0.165					
FNA	AC	HHZ		115.8	74	51	P		21.74	21.21	20.98	0.00	0.23	0.81		0.108					
PHP	AC	HHN		134.5	13	51		6	0.00	-0.53	24.20	0.00		0.00		0.000	1.00	1.01	.32	2.96	L
							S		42.88	42.35	42.35	0.00	0.00	0.40S		0.056					
PHP	AC	HHZ		134.5	13	51	P		24.55	24.02	24.20	0.00	-0.18	0.40		0.030					

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG  
 2015-12-09 0051 39.27 40 47.65 19E48.60 1.33 0.14 0.33 1.04 2.68 2.86 2.7

SOURCE

NSTA NPHS DMIN MODEL GAP ITR NFM NWR NWS NVR REMRKS-AVH N.XMG-XMMAD-T N.FMG-FMMAD-T L F X  
 18 23 22.2 At1 116 12 0 13 5 14 7.00 0.08 L 1.00 0.00 D



REGION= 6 Km P të Urës Vajgurore, Rajoni Berat (6 Km W of Ura Vajgurore, 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		
FIER	AC	HHE		22.2	248	61	S		47.43	8.16	8.01	0.00	0.15	1.26S		0.481					
FIER	AC	HHZ		22.2	248	61	P		43.31	4.04	4.58	0.00	-0.54*	0.02		0.000					
VLO	AC	HHE		44.9	217	51		6	0.00	-39.27	8.79	0.00		0.00		0.000	1.00	10	.20	3.11	L
							S		54.62	15.35	15.38	0.00	-0.03	1.26S		0.424					
VLO	AC	HHZ		44.9	217	51	P		47.84	8.57	8.79	0.00	-0.22	1.24		0.230	1.00	32	2.86	D	
TPE	AC	HHZ		58.1	162	51	P		49.92	10.65	11.06	0.00	-0.41	0.43		0.026					
TIR	AC	HHE		61.6	4	51		6	0.00	-39.27	11.67	0.00		0.00		0.000	1.00	0.69	.28	2.16	L
							S		59.68	20.41	20.42	0.00	-0.01	1.26S		0.706					
TIR	AC	HHZ		61.6	4	51	P		51.07	11.80	11.67	0.00	0.13	1.26		0.342					
KBN	AC	HHZ		84.7	102	51	P		54.96	15.69	15.64	0.00	0.05	1.26		0.266					
KBN	AC	HHE		84.7	102	51		6	60.00	20.73	15.64	0.00		0.00		0.000	1.00	1.1	.62	2.63	L
							S		66.68	27.41	27.37	0.00	0.04	1.26S		0.534					
LSK	AC	HHZ		97.9	136	51	P		57.16	17.89	17.91	0.00	-0.02	1.26		0.245					
LSK	AC	HHE		97.9	136	51		6	60.00	20.73	17.91	0.00		0.00		0.000	1.00	0.99	.50	2.68	L
SRN	AC	HHN		102.8	170	51	S		72.04	32.77	32.79	0.00	-0.02	1.26S		0.411					
SRN	AC	HHZ		102.8	170	51	P		58.18	18.91	18.74	0.00	0.17	1.26		0.223					
SRN	AC	HHE		102.8	170	51		6	60.00	20.73	18.74	0.00		0.00		0.000	1.00	0.76	.50	2.60	L
PHP	AC	HHZ		112.1	27	51	P		59.18	19.91	20.35	0.00	-0.44	0.28		0.015					
PHP	AC	HHN		112.1	27	51		6	60.00	20.73	20.35	0.00		0.00		0.000	1.00	0.93	.37	2.76	L
BCI	AC	HHZ		176.0	6	46	P		69.91	30.64	31.00	0.00	-0.36	0.71		0.090					
BCI	AC	HHE		176.0	6	46		6	60.00	20.73	31.00	0.00		0.00		0.000	1.00	0.73	.60	3.07	L

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG	
2015	12	10	1855	20.21	41 7.09	20E14.41	2.73	0.11	0.56	1.66	2.59	2.64	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
14	21	40.5	At1	146	18	0	11	6	14		4.00	0.11	L
											2.00	0.10	D

REGION= Gurshpat, Rajoni Elbasanit (Gurshpat, 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		40.5	310	62	P		27.86	7.65	7.88	0.00	-0.23	0.97		0.339	1.00	22	2.54	D	
TIR	AC	HHN		40.5	310	62		6	0.00	-20.21	7.88	0.00		0.00		0.000	1.00	1.6	.21	2.27	L
							S		34.08	13.87	13.79	0.00	0.08	1.00S		0.602					
PHP	AC	HHZ		65.1	14	62	P		32.53	12.32	12.11	0.00	0.21	1.00		0.253	1.00	27	2.74	D	
PHP	AC	HHN		65.1	14	62		6	0.00	-20.21	12.11	0.00		0.00		0.000	1.00	1.5	.28	2.55	L
							S		41.43	21.22	21.19	0.00	0.03	1.00S		0.439					
KBN	AC	HHZ		71.7	139	62	P		33.52	13.31	13.24	0.00	0.07	1.00		0.279					
KBN	AC	HHE		71.7	139	62		6	0.00	-20.21	13.24	0.00		0.00		0.000	1.00	1.9	.41	2.76	L
							S		43.32	23.11	23.17	0.00	-0.06	1.00S		0.322					
FNA	AC	HHZ		103.3	110	62	P		38.86	18.65	18.67	0.00	-0.02	1.00		0.277					

FNA	AC	HHE	103.3	110	62	S	52.81	32.60	32.67	0.00	-0.07	1.00S	0.407						
LSK	AC	HHN	111.7	164	62	S	55.50	35.29	35.21	0.00	0.08	1.00S	0.498						
SRN	AC	HHZ	139.0	189	62	P	45.71	25.50	24.80	0.00	0.40	0.00	0.000						
SRN	AC	HHE	139.0	189	62	S	64.22	44.01	43.40	0.00	0.61*	0.00S	0.000						
BCI	AC	HHZ	139.4	355	62	P	45.03	24.82	24.87	0.00	-0.05	1.00	0.236						
BCI	AC	HHE	139.4	355	62	S	60.00	39.79	24.87	0.00		0.00	0.000	1.00			0.45	.46	2.63 L
						S	63.68	43.47	43.52	0.00	-0.05	1.00S	0.344						
IGT	AC	HHZ	176.4	177	55	P	51.82	31.61	30.88	0.00	0.73*	0.00	0.000						

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG			
2015	12	11	1654	56.63	41	7.34	20E	7.08	5.38	0.02	0.64	1.98	2.57	2.47	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	
	6	9	32.8	Atl	186	9	0	5	3	6	3.00	0.07	L	1.00	0.00	D
REGION= Elbasan, Rajoni Elbasanit (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		32.8	320	62	P		62.98	6.35	6.32	0.00	0.03	1.00		0.623	1.00	21	2.47 D
TIR	AC	HHE		32.8	320	62	S	6	60.00	3.37	6.32	0.00		0.00		0.000	1.00		3.2 .30 2.50 L
							S		67.68	11.05	11.06	0.00	-0.01	1.00S		0.876			
PHP	AC	HHZ		68.0	23	62	P		68.98	12.35	12.37	0.00	-0.02	1.00		0.623			
PHP	AC	HHN		68.0	23	62	S	6	60.00	3.37	12.37	0.00		0.00		0.000	1.00		2.0 .50 2.72 L
							S		78.30	21.67	21.65	0.00	0.02	1.00S		0.876			
KBN	AC	HHE		79.1	134	62	S	6	60.00	3.37	14.27	0.00		0.00		0.000	1.00		1.1 .81 2.57 L
							S		81.60	24.97	24.97	0.00	0.00	1.00S		1.000			
FNA	AC	HHZ		113.1	109	62	P		77.67	21.04	20.11	0.00	0.53*	0.00		0.000			

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG			
2015	12	11	1653	54.44	41	6.41	20E	6.35	17.16	0.21	0.50	1.13	3.48	3.37	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	
	18	26	33.5	Atl	107	9	0	15	8	17	7.00	0.22	L	2.00	0.10	D
REGION= Elbasan, Rajoni Elbasanit (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		33.5	324	111	P		60.97	6.53	6.77	0.00	-0.24	1.08		0.256	1.00	49	3.27 D
TIR	AC	HHE		33.5	324	111	S		66.35	11.91	11.85	0.00	0.06	1.08S		0.498			
TIR	AC	HHN		33.5	324	111	S	6	60.00	5.56	6.77	0.00		0.00		0.000	1.00		31 .37 3.53 L
PHP	AC	HHZ		70.0	23	96	P		66.54	12.10	12.75	0.00	-0.65*	0.06		0.000	1.00	57	3.46 D
PHP	AC	HHN		70.0	23	96	S	6	60.00	5.56	12.75	0.00		0.00		0.000	1.00		6.2 .50 3.26 L
							S		76.71	22.27	22.31	0.00	-0.04	1.08S		0.319			



BCI AC HHN 199.5 345 55 S 94.06 60.05 59.88 0.00 0.17 1.10S 0.253

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG  
2015-12-14 0717 53.87 41 8.10 20E15.13 4.00 0.62 0.79 1.30 3.04 2.64 2.7

SOURCE

NSTA NPHS DMIN MODEL GAP ITR NFM NWR NWS NVR REMRKS-AVH N.XMG-XMMAD-T N.FMG-FMMAD-T L F X  
16 22 40.1 At1 118 10 0 13 5 14 - 4.00 0.13 L 3.00 0.02 D

REGION=4 Km S Librazhd

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		40.1	307	90	P		60.51	6.64	7.97	0.00	-0.33	0.62		0.114	1.00	21	2.62 D
TIR	AC	HHE		40.1	307	90	S		67.58	13.71	13.95	0.00	-0.24	1.17S		0.535			
TIR	AC	HHN		40.1	307	90		6	60.00	6.13	7.97	0.00		0.00		0.000	1.00		3.8 .28 2.69 L
PHP	AC	HHZ		63.0	14	90	P		65.16	11.29	11.62	0.00	-0.33	1.17		0.206	1.00	21	2.64 D
PHP	AC	HHN		63.0	14	90		6	60.00	6.13	11.62	0.00		0.00		0.000	1.00		3.5 .37 2.92 L
							S		74.51	20.64	20.33	0.00	0.31	1.17S		0.440			
KBN	AC	HHZ		72.5	141	90	P		65.87	12.00	13.13	0.00	-0.13	0.91		0.074	1.00	29	2.92 D
KBN	AC	HHE		72.5	141	90		6	60.00	6.13	13.13	0.00		0.00		0.000	1.00		4.7 .46 3.17 L
							S		77.14	23.27	22.98	0.00	0.29	1.17S		0.233			
FNA	AC	HHZ		103.0	112	90	P		71.19	17.32	18.00	0.00	-0.48	1.17		0.153			
FNA	AC	HHE		103.0	112	90	S		85.54	31.67	31.50	0.00	0.17	1.17S		0.368			
LSK	AC	HHZ		113.3	164	90	P		72.31	18.44	19.63	0.00	-0.19	0.83		0.964			
LSK	AC	HHE		113.3	164	90	S		88.31	34.44	34.35	0.00	0.09	1.17S		0.277			
BCI	AC	HHZ		137.7	354	90	P		78.25	24.38	23.52	0.00	0.46	1.14		0.182			
BCI	AC	HHE		137.7	354	90		6	60.00	6.13	23.52	0.00		0.00		0.000	1.00		1.5 .50 3.16 L
SRN	AC	HHZ		141.0	189	90	P		78.34	24.47	24.05	0.00	0.42	1.17		0.262			
IGT	AC	HHZ		178.2	177	90	P		84.68	30.81	29.98	0.00	0.83*	1.15		0.184			
IGT	AC	HHE		178.2	177	90	S		108.43	54.56	52.47	0.00	2.10*	0.00S		0.000			

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG  
2015-12-14 1543 11.95 40 40.13 19E42.36 8.50 0.52 0.77 2.56 2.58 2.75 2.7

SOURCE

NSTA NPHS DMIN MODEL GAP ITR NFM NWR NWS NVR REMRKS-AVH N.XMG-XMMAD-T N.FMG-FMMAD-T L F X  
18 27 12.9 At1 76 14 0 17 9 18 4.00 0.20 L 3.00 0.10 D

REGION=4 Km S Roskovec

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
FIER	AC	HHZ		12.9	295	114	P		14.39	2.44	2.96	0.00	-0.52*	1.19		0.223			
FIER	AC	HHN		12.9	295	114	S		17.62	5.67	5.18	0.00	0.49	1.19S		0.503			
VLO	AC	HHE		28.5	219	97		6	0.00	-11.95	5.55	0.00		0.00		0.000	1.00		43 .46 3.59 L
							S		21.98	10.03	9.71	0.00	0.32	1.19S		0.489			

VLO	AC	HHZ	28.5	219	97	P	16.11	4.16	5.55	0.00	-0.39	0.31	0.016	1.00	20	2.40	D
TIR	AC	HHN	76.6	10	92	S	36.39	24.44	24.13	0.00	0.31	1.19S	0.299				
TIR	AC	HHZ	76.6	10	92	P	25.12	13.17	13.79	0.00	-0.32	1.19	0.129	1.00	27	2.75	D
SRN	AC	HHE	91.1	163	91	S	39.76	27.81	28.51	0.00	-0.40	1.19S	0.282				
SRN	AC	HHZ	91.1	163	91	P	28.63	16.68	16.29	0.00	0.39	1.19	0.154				
KBN	AC	HHN	91.6	92	91		6	0.00	-11.95	16.38	0.00		0.00	0.000	1.00		0.48 .41 2.32 L
						S		40.49	28.54	28.66	0.00	-0.13	1.19S	0.374			
KBN	AC	HHZ	91.6	92	91	P	27.64	15.69	16.38	0.00	-0.49	1.19	0.136				
LSK	AC	HHE	95.2	126	91	S	41.95	30.00	29.75	0.00	0.25	1.19S	0.263				
LSK	AC	HHZ	95.2	126	91	P	29.38	17.43	17.00	0.00	0.43	1.19	0.119				
PHP	AC	HHN	128.6	28	68		6	0.00	-11.95	22.74	0.00		0.00	0.000	1.00		0.35 .54 2.45 L
						S		52.30	40.35	39.79	0.00	0.56*	1.19S	0.312			
PHP	AC	HHZ	128.6	28	68	P	34.99	23.04	22.74	0.00	0.30	1.19	0.152	1.00	29	2.85	D
FNA	AC	HHN	142.3	84	68	S	56.67	44.72	43.63	0.00	0.49	0.78S	0.135				
FNA	AC	HHZ	142.3	84	68	P	35.15	23.20	24.93	0.00	-0.73*	0.02	0.000				
BCI	AC	HHE	191.0	8	68		6	60.00	48.05	32.69	0.00		0.00	0.000	1.00		0.25 .63 2.70 L
						S		68.53	56.58	57.21	0.00	-0.63*	1.19S	0.399			
BCI	AC	HHZ	191.0	8	68	P	43.18	31.23	32.69	0.00	-0.56*	0.22	0.006				

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015	12	15	1916	0.33	41 21.86	20E23.02	4.99	0.05	0.37	1.63	1.70	2.26 2.2

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	35.9	Atl	141	7	0	6	3	7		2.00	0.19	L	2.00	0.01	D

REGION= 11 Km J-L të Bulqizës, Rajoni Bulqizë (11 Km S-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	
PHP	AC	HHZ		35.9	7	62	P		7.25	6.92	6.88	0.00	0.04	1.17		0.497	1.00	16	2.25	D
PHP	AC	HHN		35.9	7	62		6	0.00	-0.33	6.88	0.00		0.00		0.000	1.00		0.72 .31 1.88 L	
							S		12.37	12.04	12.04	0.00	0.00	1.17S		0.835				
TIR	AC	HHZ		43.4	268	62	P		8.42	8.09	8.18	0.00	-0.09	1.17		0.496	1.00	16	2.27	D
TIR	AC	HHE		43.4	268	62	S		14.70	14.37	14.31	0.00	0.06	1.17S		0.836				
TIR	AC	HHN		43.4	268	62		6	0.00	-0.33	8.18	0.00		0.00		0.000	1.00		0.26 .63 1.51 L	
FNA	AC	HHZ		106.1	127	62	P		19.31	18.98	18.94	0.00	0.04	1.17		0.497				
FNA	AC	HHN		106.1	127	62	S		33.46	33.13	33.14	0.00	-0.01	1.17S		0.835				
BCI	AC	HHZ		114.4	347	62	P		20.97	20.64	20.37	0.00	0.27	0.00		0.000				

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015	12	16	1020	10.66	41 41.88	20E 8.49	17.38	0.09	0.54	0.86	2.77	2.46 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 25.0 Atl 145 9 0 8 4 10 7.00 0.13 L 2.00 0.29 D  
 REGION= Macukull, Rajoni Bulqizë (Macukull, 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
PHP	AC	HHN		25.0	93	119		6	0.00-10.66	5.48	0.00		0.00		0.000	1.00		27 .11 3.43 L
							S		20.18 9.52 9.59	0.00	-0.07	1.00S			0.754			
PHP	AC	HHZ		25.0	93	119	P		16.28 5.62 5.48	0.00	0.14	1.00			0.282	1.00	14 2.17 D	
TIR	AC	HHN		45.2	211	104		6	0.00-10.66	8.66	0.00		0.00		0.000	1.00		2.0 .40 2.45 L
							S		25.78 15.12 15.15	0.00	-0.04	1.00S			0.722			
TIR	AC	HHZ		45.2	211	104	P		19.40 8.74 8.66	0.00	0.08	1.00			0.303	1.00	25 2.74 D	
TIR	AC	HHE		45.2	211	104		6	0.00-10.66	8.66	0.00		0.00		0.000	1.00		2.0 .21 2.45 L
BCI	AC	HHN		74.5	356	96		6	0.00-10.66	13.51	0.00		0.00		0.000	1.00		1.8 .40 2.77 L
							S		33.40 22.74 23.64	0.00	-0.90*	0.00S			0.000			
BCI	AC	HHZ		74.5	356	96	P		24.16 13.50 13.51	0.00	-0.01	1.00			0.879			
BCI	AC	HHE		74.5	356	96		6	0.00-10.66	13.51	0.00		0.00		0.000	1.00		1.4 .60 2.64 L
KBN	AC	HHN		131.1	155	71		6	0.00-10.66	22.61	0.00		0.00		0.000	1.00		0.84 .47 2.86 L
							S		50.30 39.64 39.57	0.00	0.07	1.00S			0.447			
KBN	AC	HHZ		131.1	155	71	P		33.98 23.32 22.61	0.00	0.71*	0.00			0.000			
KBN	AC	HHE		131.1	155	71		6	0.00-10.66	22.61	0.00		0.00		0.000	1.00		0.86 .69 2.87 L
LSK	AC	HHZ		176.2	167	71	P		40.30 29.64 29.81	0.00	-0.17	1.00			0.215			
LSK	AC	HHN		176.2	167	71	S		62.82 52.16 52.17	0.00	-0.01	1.00S			0.394			

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG  
 2015-12-18 1822 15.44 40 24.09 20E45.51 0.00 0.22 0.56 1.14 3.52 3.09 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  
 19 28 24.8 Atl 150 6 0 18 9 18 # 6.00 0.21 L 3.00 0.04 D

REGION=4 Km V-E Erseke

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		24.8	5	61	P		20.40 4.96 5.21	0.00	-0.25	1.17			0.255	1.00	44 3.05 D	
KBN	AC	HHE		24.8	5	61	S		24.73 9.29 9.12	0.00	0.17	1.17S			0.246			
LSK	AC	HHZ		31.1	206	61	P		21.77 6.33 6.43	0.00	-0.10	1.17			0.253	1.00	49 3.17 D	
LSK	AC	HHE		31.1	206	61	S		27.25 11.81 11.25	0.00	0.26	0.31S			0.021			
LSK	AC	HHN		31.1	206	61		6	0.00-15.44	6.43	0.00		0.00		0.000	1.00		63 .34 3.77 L
FNA	AC	HHZ		67.7	51	51	P		27.97 12.53 12.89	0.00	-0.36	1.05			0.343			
FNA	AC	HHN		67.7	51	51	S		38.60 23.16 22.56	0.00	0.40	0.18S			0.029			
SRN	AC	HHZ		86.8	229	51	P		31.28 15.84 16.17	0.00	-0.33	1.12			0.143	1.00	40 3.09 D	
SRN	AC	HHE		86.8	229	51		6	0.00-15.44	16.17	0.00		0.00		0.000	1.00		3.5 .34 3.14 L
							S		43.45 28.01 28.30	0.00	-0.29	1.16S			0.284			
IGT	AC	HHZ		103.3	201	51	P		34.49 19.05 19.01	0.00	0.04	1.17			0.194			
IGT	AC	HHN		103.3	201	51	S		48.75 33.31 33.27	0.00	0.04	1.17S			0.493			
VLO	AC	HHZ		107.4	275	51	P		35.44 20.00 19.72	0.00	0.28	1.17			0.224			

VLO	AC	HHN	107.4	275	51	6	0.00-15.44	19.72	0.00	0.00	0.000	1.00	7.8	.43	3.65	L	
						S	50.12	34.68	34.51	0.00	0.17	1.17S	0.389				
TIR	AC	HHZ	129.3	325	51	P	38.88	23.44	23.47	0.00	-0.03	1.17	0.175				
TIR	AC	HHN	129.3	325	51	6	0.00-15.44	23.47	0.00	0.00	0.000	1.00	3.0	.81	3.39	L	
						S	56.64	41.20	41.07	0.00	0.13	1.17S	0.252				
PHP	AC	HHZ	145.0	350	51	P	41.01	25.57	26.17	0.00	-0.60*	0.17	0.003				
PHP	AC	HHN	145.0	350	51	6	60.00	44.56	26.17	0.00	0.00	0.000	1.00	2.1	.95	3.33	L
						S	61.57	46.13	45.80	0.00	0.33	1.12S	0.202				
BCI	AC	HHZ	225.8	346	40	P	54.29	38.85	39.09	0.00	-0.24	1.17	0.094				
BCI	AC	HHE	225.8	346	40	6	60.00	44.56	39.09	0.00	0.00	0.000	1.00	1.8	.95	3.74	L
						S	83.77	68.33	68.41	0.00	-0.08	1.17S	0.392				

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015-12-18			1848 18.86	41 5.29	20E12.56	2.03	0.25	0.98	1.00	2.29	2.55	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
11	16	40.8	At1	180	10	0	9	5	10	#	4.00	0.11 L	2.00 0.05 D

REGION=5 Km S-E Elbasan

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		40.8	316	51	P		27.05	8.19	8.27	0.00	-0.08	1.03		0.436	1.00	21	2.50 D		
TIR	AC	HHN		40.8	316	51	6	0.00-18.86	8.27	0.00	0.00		0.00	0.000	1.00			1.2	.43	2.13	L
							S	33.10	14.24	14.47	0.00	-0.23	1.03S	0.708							
PHP	AC	HHZ		69.0	16	51	P		31.60	12.74	13.12	0.00	-0.38	0.90		0.330	1.00	23	2.60 D		
PHP	AC	HHN		69.0	16	51	6	0.00-18.86	13.12	0.00	0.00		0.00	0.000	1.00			0.64	.46	2.24	L
							S	42.01	23.15	22.96	0.00	0.19	1.03S	0.504							
KBN	AC	HHZ		71.0	136	51	P		32.56	13.70	13.45	0.00	0.25	1.03		0.365					
KBN	AC	HHE		71.0	136	51	S		42.65	23.79	23.54	0.00	0.25	1.03S		0.586					
KBN	AC	HHN		71.0	136	51	6	0.00-18.86	13.45	0.00	0.00		0.00	0.000	1.00			1.2	.81	2.53	L
FNA	AC	HHZ		104.6	108	51	P		37.71	18.85	19.23	0.00	-0.38	0.90		0.272					
FNA	AC	HHE		104.6	108	51	S		52.25	33.39	33.65	0.00	-0.26	1.03S		0.439					
BCI	AC	HHZ		142.5	356	51	P		45.57	26.71	25.74	0.00	0.47	0.00		0.000					
BCI	AC	HHE		142.5	356	51	6	60.00	41.14	25.74	0.00	0.00	0.00	0.000	1.00			0.22	.56	2.34	L
							S	63.94	45.08	45.04	0.00	0.04	1.03S	0.355							

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015-12-20			1905 36.73	41 13.71	20E 3.81	7.13	0.05	0.55	2.09	1.93	2.36	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	21.3	At1	196	10	0	5	3	6	-	2.00	0.08 L	2.00 0.08 D

REGION= 7 Km V të Elbasanit, Rajoni Elbasanit (7 Km N of Elbasanit, 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		21.3	309	90	P		41.06	4.33	4.28	0.00	0.05	1.19		0.697	1.00	18	2.28 D
TIR	AC	HHN		21.3	309	90		6	0.00-36.73	4.28	0.00			0.00		0.314	1.00		1.4 .43 2.00 L
								S	44.16	7.43	7.49	0.00	-0.06	1.19S		0.822			
PHP	AC	HHZ		59.7	31	90	P		47.84	11.11	10.88	0.00	0.23	0.04		0.143	1.00	19	2.43 D
PHP	AC	HHN		59.7	31	90		6	0.00-36.73	10.88	0.00			0.00		0.000	1.00		0.36 .34 1.85 L
								S	55.77	19.04	19.04	0.00	0.00	1.19S		0.996			
FNA	AC	HHZ		121.7	113	90	P		58.30	21.57	21.53	0.00	0.04	1.19		0.390			
FNA	AC	HHE		121.7	113	90		S	74.35	37.62	37.68	0.00	-0.06	1.19S		0.633			

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG		
2015-12-21			0134	58.65	41	5.58	20E11.36	2.00	0.09	0.63	0.52	2.45	2.60	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
11	16	39.2	At1	156	9	0	9	4	10	-	4.00	0.12 L	2.00 0.02 D

REGION=5 Km S-E Elbasan

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		39.2	317	90	P		66.33	7.68	7.83	0.00	-0.15	1.09		0.381	1.00	20	2.58 D
TIR	AC	HHN		39.2	317	90		6	60.00	1.35	7.83	0.00		0.00		0.000	1.00		0.70 .83 1.95 L
								S	72.43	13.78	13.70	0.00	0.08	1.11S		0.604			
PHP	AC	HHZ		69.0	17	90	P		71.23	12.58	12.57	0.00	0.01	1.11		0.874	1.00	20	2.61 D
PHP	AC	HHN		69.0	17	90		6	60.00	1.35	12.57	0.00		0.00		0.000	1.00		0.80 .25 2.37 L
								S	80.70	22.05	22.00	0.00	0.05	1.11S		0.721			
KBN	AC	HHZ		72.5	135	90	P		71.67	13.02	13.13	0.00	-0.11	1.11		0.239			
KBN	AC	HHE		72.5	135	90		6	60.00	1.35	13.13	0.00		0.00		0.000	1.00		1.3 .47 2.60 L
								S	81.60	22.95	22.98	0.00	-0.03	1.11S		0.342			
FNA	AC	HHZ		106.4	108	90	P		77.24	18.59	18.53	0.00	0.06	1.11		0.234			
FNA	AC	HHE		106.4	108	90		S	91.61	32.96	32.43	0.00	0.43	0.00S		0.000			
LSK	AC	HHZ		110.3	161	90	P		77.49	18.84	19.16	0.00	-0.32	0.13		0.108			
LSK	AC	HHE		110.3	161	90		S	92.30	33.65	33.53	0.00	0.12	1.11S		0.493			
LSK	AC	HHN		110.3	161	90		6	60.00	1.35	19.16	0.00		0.00		0.000	1.00		0.54 .93 2.52 L

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG		
2015-12-21			0811	23.52	41	58.68	20E26.98	6.56	0.14	1.49	16.77	2.36	2.37	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	11	32.6	At1	218	9	0	5	2	6	-	5.00	0.07 L	2.00 0.14 D

REGION= Kukës, Rajoni Kukës (Kukës, Kukësi 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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VLO	AC	HHE	38.9	323	51	6	0.00-32.40	7.92	0.00	0.00	0.000	1.00				7.9	.43	2.94	L
						S	46.16	13.76	13.86	0.00	-0.10	1.21S	0.789						
SRN	AC	HHZ	39.6	151	51	P	40.22	7.82	8.03	0.00	-0.21	1.21	0.313	1.00	31	2.83	D		
SRN	AC	HHN	39.6	151	51	6	0.00-32.40	8.03	0.00	0.00	0.000	1.00				2.5	.51	2.45	L
						S	46.41	14.01	14.05	0.00	-0.04	1.21S	0.659						
LSK	AC	HHZ	70.2	93	51	P	45.38	12.98	13.29	0.00	-0.31	0.99	0.173						
LSK	AC	HHN	70.2	93	51	6	0.00-32.40	13.29	0.00	0.00	0.000	1.00				1.4	.62	2.59	L
						S	55.86	23.46	23.26	0.00	0.20	1.21S	0.299						
KBN	AC	HHZ	98.3	60	51	P	50.52	18.12	18.12	0.00	0.00	1.21	0.284						
KBN	AC	HHE	98.3	60	51	6	60.00	27.60	18.12	0.00	0.00	0.000	1.00			0.43	.60	2.32	L
						S	64.18	31.78	31.71	0.00	0.07	1.21S	0.338						
FNA	AC	HHZ	151.2	63	51	P	59.03	26.63	27.21	0.00	-0.48	0.00	0.000						
FNA	AC	HHN	151.2	63	51	S	79.82	47.42	47.62	0.00	-0.20	1.21S	0.332						
LKD2	AC	HHZ	173.2	153	46	P	63.40	31.00	30.74	0.00	0.26	1.13	0.238						
PHP	AC	HHZ	175.0	18	46	P	63.52	31.12	31.01	0.00	0.11	1.21	0.220						
PHP	AC	HHN	175.0	18	46	6	60.00	27.60	31.01	0.00	0.00	0.000	1.00			0.32	.83	2.71	L
						S	87.24	54.84	54.27	0.00	0.57*	0.00S	0.000						

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015	12	25	0133	55.26	41 5.87	20E13.00	3.78	0.08	0.55	1.36	1.77	2.31 1.8

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L F X
11	16	40.5	At1	152	8	0	8	5	9		3.00	0.01	L 2.00 0.09 D

REGION= Shushicë, 6 Km L të Elbasanit, Rajoni Elbasanit (Shushicë, 6 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
TIR	AC	HHZ		40.5	314	62	P		62.60	7.34	7.78	0.00	-0.44	0.00		0.000	1.00	15	2.22 D
TIR	AC	HHE		40.5	314	62	S		68.92	13.66	13.61	0.00	0.04	1.08S		0.824			
TIR	AC	HHN		40.5	314	62	6		60.00	4.74	7.78	0.00		0.00		0.000	1.00		0.25 .37 1.46 L
PHP	AC	HHZ		67.8	15	62	P		67.69	12.43	12.48	0.00	-0.05	1.08		0.500	1.00	18	2.40 D
PHP	AC	HHN		67.8	15	62	6		60.00	4.74	12.48	0.00		0.00		0.000	1.00		0.23 .23 1.78 L
							S		77.09	21.83	21.84	0.00	-0.01	1.08S		0.647			
KBN	AC	HHZ		71.3	137	62	P		68.32	13.06	13.08	0.00	-0.02	1.08		0.480			
KBN	AC	HHN		71.3	137	62	S		78.33	23.07	22.89	0.00	0.18	0.79S		0.214			
KBN	AC	HHE		71.3	137	62	6		60.00	4.74	13.08	0.00		0.00		0.000	1.00		0.20 .51 1.77 L
FNA	AC	HHZ		104.4	109	62	P		74.21	18.95	18.76	0.00	0.19	0.71		0.191			
FNA	AC	HHN		104.4	109	62	S		88.03	32.77	32.83	0.00	-0.06	1.08S		0.544			
LSK	AC	HHN		110.1	162	62	S		89.74	34.48	34.56	0.00	-0.08	1.08S		0.596			

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
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2015-12-26 1105 55.81 40 58.03 20E 1.62 2.06 0.09 0.48 0.85 2.83 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  
 17 24 44.4 At1 161 11 0 12 6 15 7.00 0.24 L 2.00 0.06 D  
 REGION= Gostimë, 8 Km S-E të Cerrikut, Rajoni Elbasanit (Gostimë, 8 Km S-E of Cerriku, 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		44.4	343	51	P		64.73	8.92	8.88	0.00	0.04	1.18		0.307	1.00	31	2.83	D			
TIR	AC	HHE		44.4	343	51		6	60.00	4.19	8.88	0.00		0.00		0.000	1.00			2.7	.28	2.54	L
							S		71.36	15.55	15.54	0.00	0.01	1.18S		0.387							
VLO	AC	HHZ		71.3	220	51	P		68.95	13.14	13.50	0.00	-0.36	0.07		0.001							
VLO	AC	HHN		71.3	220	51		6	60.00	4.19	13.50	0.00		0.00		0.000	1.00			5.6	.28	3.21	L
							S		79.01	23.20	23.63	0.00	-0.43	0.00S		0.000							
KBN	AC	HHZ		74.7	120	51	P		69.84	14.03	14.08	0.00	-0.05	1.18		0.249							
KBN	AC	HHN		74.7	120	51		6	60.00	4.19	14.08	0.00		0.00		0.000	1.00			1.01	.03	2.50	L
							S		80.37	24.56	24.64	0.00	-0.08	1.18S		0.465							
PHP	AC	HHZ		86.9	23	51	P		71.59	15.78	16.18	0.00	-0.40	0.00		0.000	1.00	34	2.95	D			
PHP	AC	HHN		86.9	23	51		6	60.00	4.19	16.18	0.00		0.00		0.000	1.00			1.3	.41	2.72	L
							S		84.21	28.40	28.32	0.00	0.08	1.18S		0.368							
LSK	AC	HHZ		102.9	151	51	P		74.52	18.71	18.93	0.00	-0.22	0.94		0.134							
LSK	AC	HHE		102.9	151	51		S	89.10	33.29	33.13	0.00	0.16	1.16S		0.317							
LSK	AC	HHN		102.9	151	51		6	60.00	4.19	18.93	0.00		0.00		0.000	1.00			2.3	.56	3.07	L
FNA	AC	HHZ		116.2	99	51	P		77.10	21.29	21.22	0.00	0.07	1.18		0.303							
SRN	AC	HHZ		120.7	182	51	P		77.80	21.99	22.00	0.00	-0.01	1.18		0.318							
SRN	AC	HHE		120.7	182	51		6	60.00	4.19	22.00	0.00		0.00		0.000	1.00			0.95	.56	2.83	L
							S		94.31	38.50	38.50	0.00	0.00	1.18S		0.585							
BCI	AC	HHZ		155.5	1	46	P		83.82	28.01	27.93	0.00	0.08	1.18		0.207							
BCI	AC	HHE		155.5	1	46		S	104.55	48.74	48.88	0.00	-0.14	1.18S		0.351							
BCI	AC	HHN		155.5	1	46		6	60.00	4.19	27.93	0.00		0.00		0.000	1.00			0.92	.60	3.05	L

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG  
 2015-12-26 2053 50.75 41 59.82 20E20.45 5.63 0.01 2.04 1.47 1.76 2.27 1.8

SOURCE

NSTA NPHS DMIN MODEL GAP ITR NFM NWR NWS NVR REMRKS-AVH N.XMG-XMMAD-T N.FMG-FMMAD-T L F X  
 7 10 35.7 At1 174 13 0 5 3 6 2.00 0.03 L 2.00 0.20 D  
 REGION= Surrojë, 11 Km J-P të Kukësit, Rajoni Kukësit (Surrojë, 11 Km S-W of Kukësit, Kukësi 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		35.7	166	62	P		57.53	6.78	6.79	0.00	-0.01	1.00		0.623	1.00	13	2.07	D			
PHP	AC	HHN		35.7	166	62		6	60.00	9.25	6.79	0.00		0.00		0.000	1.00			0.59	.10	1.79	L
							S		62.65	11.90	11.88	0.00	0.02	1.00S		0.876							

BCI	AC	HHZ	46.9	332	62	P	59.48	8.73	8.71	0.00	0.02	1.00	0.623	1.00	20	2.47	D			
BCI	AC	HHN	46.9	332	62	S	65.99	15.24	15.24	0.00	0.00	1.00S	0.876							
BCI	AC	HHE	46.9	332	62	6	60.00	9.25	8.71	0.00		0.00	0.000	1.00			0.40	.18	1.73	L
FNA	AC	HHZ	160.7	146	55	P	78.51	27.76	28.07	0.00	-0.31	0.00	0.000							
FNA	AC	HHE	160.7	146	55	S	99.87	49.12	49.12	0.00	0.00	1.00S	1.000							

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015-12-26			2117 50.80	41 57.74	20E30.17	10.26	0.01	1.58	2.85	1.62	2.20	1.7

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L	F	X	
7	10	31.3	Atl	188	12	0	5	3	6		2.00	0.02	L	2.00	0.09	D

REGION= Topojan, Rajoni Kukesit (Topojan, Kukesi 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		31.3	190	107	P		57.09	6.29	6.28	0.00	0.01	1.00		0.623	1.00	13	2.11	D		
PHP	AC	HHN		31.3	190	107	6		60.00	9.20	6.28	0.00		0.00		0.000	1.00		0.38	.36	1.60	L
							S		61.78	10.98	10.99	0.00	-0.01	1.00S		0.876						
BCI	AC	HHZ		57.5	322	93	P		61.09	10.29	10.63	0.00	-0.34	0.00		0.000	1.00	15	2.29	D		
BCI	AC	HHN		57.5	322	93	S		69.40	18.60	18.60	0.00	0.00	1.00S		0.999						
BCI	AC	HHE		57.5	322	93	6		60.00	9.20	10.63	0.00		0.00		0.000	1.00		0.22	.20	1.63	L
FNA	AC	HHZ		150.4	150	71	P		76.62	25.82	25.83	0.00	-0.01	1.00		0.623						
FNA	AC	HHE		150.4	150	71	S		96.01	45.21	45.20	0.00	0.01	1.00S		0.876						

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015-12-26			2333 4.16	42 0.34	20E23.12	2.92	0.05	1.32	1.76	1.02	2.02	1.1

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L	F	X	
5	8	35.9	Atl	181	7	0	5	3	5		2.00	0.04	L	2.00	0.09	D

REGION= Bicaj, 8 Km J-P të Kukesit, Rajoni Kukesit (Bicaj, 8 Km S-W of Kukesit, Kukesi 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		35.9	172	62	P		11.11	6.95	7.08	0.00	-0.13	0.84		0.516	1.00	11	1.93	D		
PHP	AC	HHN		35.9	172	62	6		0.00	-4.16	7.08	0.00		0.00		0.000	1.00		0.11	.11	1.06	L
							S		16.55	12.39	12.39	0.00	0.00	1.04S		0.898						
BCI	AC	HHZ		47.9	327	62	P		13.31	9.15	9.14	0.00	0.01	1.04		0.687	1.00	13	2.10	D		
BCI	AC	HHN		47.9	327	62	6		0.00	-4.16	9.14	0.00		0.00		0.000	1.00		0.07	.15	0.98	L
							S		20.14	15.98	15.99	0.00	-0.01	1.04S		0.898						
FNA	AC	HHE		159.5	148	55	S		53.48	49.32	49.32	0.00	0.00	1.04S		1.000						

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG  
 2015-12-28 1344 7.59 40 21.14 19E27.28 12.86 0.12 0.70 0.56 2.67 2.79 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  
 16 24 13.4 At1 234 9 0 13 7 16 3.00 0.13 L 5.00 0.07 D

REGION= Orikum, Rajoni Vlorë (Orikum, 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		13.4	14	129	P		10.47	2.88	3.43	0.00	-0.55*	0.00		0.000	1.00	18	2.27 D
VLO	AC	HHN		13.4	14	129		6	0.00	-7.59	3.43	0.00		0.00		0.000	1.00		113 .15 3.89 L
							S		13.54	5.95	6.00	0.00	-0.05	1.02S		0.878			
SRN	AC	HHZ		70.1	138	96	P		20.30	12.71	12.74	0.00	-0.03	1.02		0.309	1.00	27	2.78 D
SRN	AC	HHN		70.1	138	96		6	0.00	-7.59	12.74	0.00		0.00		0.000	1.00		1.2 .50 2.54 L
							S		30.48	22.89	22.30	0.00	0.49	0.00S		0.000			
LSK	AC	HHZ		99.9	102	78	P		25.64	18.05	17.78	0.00	0.27	0.83		0.077	1.00	29	2.86 D
LSK	AC	HHN		99.9	102	78	S		38.64	31.05	31.11	0.00	-0.06	1.02S		0.361			
TIR	AC	HHZ		115.8	17	68	P		27.98	20.39	20.43	0.00	-0.04	1.02		0.252	1.00	32	2.96 D
TIR	AC	HHN		115.8	17	68	S		43.14	35.55	35.75	0.00	-0.20	0.99S		0.332			
KBN	AC	HHZ		116.9	74	68	P		28.26	20.67	20.61	0.00	0.06	1.02		0.081	1.00	26	2.79 D
KBN	AC	HHN		116.9	74	68		6	0.00	-7.59	20.61	0.00		0.00		0.000	1.00		0.69 .81 2.67 L
							S		43.68	36.09	36.07	0.00	0.02	1.02S		0.301			
IGT	AC	HHZ		117.9	140	68	P		28.40	20.81	20.76	0.00	0.05	1.02		0.301			
IGT	AC	HHN		117.9	140	68	S		43.71	36.12	36.33	0.00	-0.21	0.98S		0.354			
PHP	AC	HHZ		169.6	28	68	P		36.78	29.19	29.01	0.00	0.18	1.02		0.175			
PHP	AC	HHN		169.6	28	68	S		58.41	50.82	50.77	0.00	0.05	1.02S		0.273			
FNA	AC	HHZ		170.2	73	68	P		36.10	28.51	29.10	0.00	-0.49	0.00		0.000			
FNA	AC	HHN		170.2	73	68	S		58.54	50.95	50.92	0.00	0.03	1.02S		0.300			

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG  
 2015-12-31 0000 19.81 40 2.95 19E56.53 7.00 0.29 0.88 2.00 2.29 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 19.4 At1 156 10 0 9 4 10 - 3.00 0.08 L 2.00 0.06 D

REGION= Borsh, Rajoni Vlorë (Borsh, 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
SRN	AC	HHZ		19.4	165	90	P		24.19	4.38	4.67	0.00	-0.29	1.14		0.206	1.00	20	2.48 D
SRN	AC	HHN		19.4	165	90		6	0.00	-19.81	4.67	0.00		0.00		0.000	1.00		2.0 .18 2.29 L
							S		27.84	8.03	8.17	0.00	-0.14	1.14S		0.386			
LSK	AC	HHZ		57.1	78	90	P		30.11	10.30	10.67	0.00	-0.37	1.12		0.234	1.00	20	2.59 D
LSK	AC	HHE		57.1	78	90		6	0.00	-19.81	10.67	0.00		0.00		0.000	1.00		0.35 .51 1.84 L
							S		38.43	18.62	18.67	0.00	-0.05	1.14S		0.618			

VLO	AC	HHZ	60.1	321	90	P	30.67	10.86	11.16	0.00	-0.30	1.14	0.336						
VLO	AC	HHE	60.1	321	90		6	0.00	-19.81	11.16	0.00	0.00	1.000	1.00		1.1	.37	2.37	L
						S	39.59	19.78	19.53	0.00	0.25	1.14S	0.606						
IGT	AC	HHZ	66.4	149	90	P	32.23	12.42	12.15	0.00	0.27	1.14	0.161						
IGT	AC	HHE	66.4	149	90	S	41.38	21.57	21.26	0.00	0.31	1.14S	0.294						
SCTE	AC	HHZ	125.8	272	90	P	40.63	20.82	21.63	0.00	-0.31	0.05	0.001						
FNA	AC	HHZ	146.9	55	90	P	45.32	25.51	25.00	0.00	0.51*	0.84	0.152						

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG		
2015	12	31	2123	14.69	41	5.99	20E11.09	20.00	0.08	0.57	1.07	1.89	2.69	2.7

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L	F	X	
10	15	38.4	At1	155	8	0	9	4	10	-	3.00	0.16	L	3.00	0.03	D

REGION= Shushicë, 11 Km L të Elbasanit, Rajoni Elbasanit (Shushicë, 11 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			
TIR	AC	HHZ		38.4	316	90	P		22.41	7.72	7.70	0.00	0.02	1.11		0.316	1.00	16	2.38	D		
TIR	AC	HHN		38.4	316	90		6	0.00	-14.69	7.70	0.00	0.00	0.00		1.000	1.00		0.29	.37	1.56	L
							S		28.19	13.50	13.47	0.00	0.02	1.11S		0.525						
PHP	AC	HHZ		68.4	18	90	P		27.20	12.51	12.47	0.00	0.04	1.11		0.226	1.00	23	2.72	D		
PHP	AC	HHN		68.4	18	90		6	0.00	-14.69	12.47	0.00	0.00	0.00		0.000	1.00		0.27	.37	1.89	L
							S		36.47	21.78	21.82	0.00	-0.04	1.11S		0.612						
KBN	AC	HHZ		73.3	135	90	P		27.71	13.02	13.26	0.00	-0.24	0.41		0.032	1.00	22	2.69	D		
KBN	AC	HHN		73.3	135	90		6	0.00	-14.69	13.26	0.00	0.00	0.00		0.000	1.00		0.35	.40	2.05	L
							S		37.91	23.22	23.20	0.00	0.02	1.11S		0.387						
FNA	AC	HHZ		107.0	108	90	P		33.13	18.44	18.63	0.00	-0.19	0.80		0.098						
FNA	AC	HHN		107.0	108	90	S		47.41	32.72	32.60	0.00	0.12	1.11S		0.404						
LSK	AC	HHZ		111.2	161	90	P		33.96	19.27	19.30	0.00	-0.03	1.11		0.396						
LSK	AC	HHN		111.2	161	90	S		49.01	34.32	33.77	0.00	0.45	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  
 2015-12-02 2330 8.02 41 17.25 23E 1.09 0.75 1.46 56.70 77.97

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 7 201.8 Atl 302 10 0 6 0 7 - 0.00 0.00 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
KBN	AC	HHZ		201.8	250	46	P		41.94	33.92	35.21	0.00	-1.29*	1.00		0.666			
PHP	AC	HHZ		219.8	283	46	P		46.16	38.14	38.07	0.00	0.07	1.00		0.666			
LSK	AC	HHZ		240.3	240	37	P		48.82	40.80	40.91	0.00	-0.11	1.00		0.716			
TIR	AC	HHZ		264.2	273	37	P		55.02	47.00	44.06	0.00	2.94*	0.99		0.619			
BCI	AC	HHZ		272.9	298	37	P		51.60	43.58	45.22	0.00	-1.64*	1.00		0.882			
SRN	AC	HHZ		299.6	240	37	P		49.78	41.76	48.74	0.00	-6.98*	0.00		0.000			
VLO	AC	HHZ		310.6	255	37	P		58.22	50.20	50.21	0.00	-0.01	1.00		0.447			

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG  
 2015-12-03 0016 2.13 42 23.36 18E44.02 4.07 0.20 1.89 1.75 2.75 2.93 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  
 6 9 109.9 Atl 310 7 0 5 3 6 - 3.00 0.02 L 2.00 0.19 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		109.9	90	62	P		21.53	19.40	19.68	0.00	-0.28	1.00		0.623	1.00	26	2.74 D
BCI	AC	HHN		109.9	90	62		6	0.00	-2.13	19.68	0.00		0.00		0.000	1.00		0.98 .40 2.77 L
							S		36.72	34.59	34.44	0.00	0.15	1.00S		0.876			
TIR	AC	HHZ		149.0	140	55	P		28.78	26.65	26.38	0.00	0.27	1.00		0.623	1.00	39	3.12 D
TIR	AC	HHE		149.0	140	55		6	0.00	-2.13	26.38	0.00		0.00		0.000	1.00		0.34 .46 2.57 L
							S		48.13	46.00	46.16	0.00	-0.17	1.00S		0.876			
PHP	AC	HHZ		161.6	118	55	P		29.36	27.23	28.38	0.00	-0.45	0.00		0.000			
PHP	AC	HHN		161.6	118	55		6	0.00	-2.13	28.38	0.00		0.00		0.000	1.00		0.42 .54 2.75 L
							S		51.79	49.66	49.66	0.00	-0.01	1.00S		0.999			

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG  
 2015-12-05 0254 4.46 40 2.78 20E35.55 30.56 0.03 1.37 0.78 2.02 2.30 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  
 10 15 11.5 At1 188 6 0 7 3 10 2.00 0.15 L 2.00 0.24 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		11.5	2	157	P		10.08	5.62	5.63	0.00	-0.01	1.55		0.457	1.00	11	2.06	D			
LSK	AC	HHN		11.5	2	157		6	0.00	-4.46	5.63	0.00		0.00		0.000	1.00			1.1	.28	2.16	L
							S		14.34	9.88	9.85	0.00	0.03	1.55S		0.859							
SRN	AC	HHZ		53.8	251	109	P		15.02	10.56	10.59	0.00	-0.03	1.16		0.373	1.00	16	2.53	D			
SRN	AC	HHE		53.8	251	109		6	0.00	-4.46	10.59	0.00		0.00		0.000	1.00			0.38	.20	1.87	L
							S		23.01	18.55	18.53	0.00	0.02	1.16S		0.804							
IGT	AC	HHZ		61.4	202	105	P		16.22	11.76	11.71	0.00	0.05	0.72		0.714							
IGT	AC	HHN		61.4	202	105			24.53	20.07	20.49	0.00	-0.42	0.00S		0.000							
KBN	AC	HHZ		66.2	14	102	P		17.02	12.56	12.43	0.00	0.13	0.44		0.271							
KBN	AC	HHE		66.2	14	102			26.21	21.75	21.75	0.00	0.00	0.44S		0.519							
FNA	AC	HHZ		105.7	39	91	P		23.44	18.98	18.53	0.00	0.45	0.00		0.000							
FNA	AC	HHE		105.7	39	91			36.73	32.27	32.43	0.00	-0.16	0.00S		0.000							

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG  
 2015-12-05 1803 10.51 40 43.00 21E31.79 13.03 0.03 2.38 3.65 2.50 2.64 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  
 12 18 14.3 At1 320 7 0 4 2 12 - 2.00 0.09 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	
FNA	AC	HHZ		14.3	301	128	P		14.06	3.55	3.58	0.00	-0.03	1.09		0.889							
FNA	AC	HHN		14.3	301	128			16.79	6.28	6.26	0.00	0.01	1.09S		0.963							
KBN	AC	HHZ		63.6	261	97	P		22.20	11.69	11.64	0.00	0.05	0.91		0.839	1.00	19	2.47	D			
KBN	AC	HHN		63.6	261	97		6	0.00	-10.51	11.64	0.00		0.00		0.000	1.00			1.7	.36	2.59	L
							S		30.86	20.35	20.37	0.00	-0.02	0.91S		0.947							
LSK	AC	HHZ		101.0	232	78	P		27.34	16.83	17.96	0.00	-0.13	0.00		0.359	1.00	27	2.81	D			
LSK	AC	HHN		101.0	232	78			41.91	31.40	31.43	0.00	-0.03	0.00S		0.000							
PHP	AC	HHZ		141.1	321	68	P		33.91	23.40	24.45	0.00	-0.05	0.00		0.000							
PHP	AC	HHN		141.1	321	68		6	0.00	-10.51	24.45	0.00		0.00		0.000	1.00			0.26	.62	2.41	L
							S		53.51	43.00	42.79	0.00	0.21	0.00S		0.000							
SRN	AC	HHZ		159.8	235	68	P		39.07	28.56	27.43	0.00	0.43	0.00		0.000							
SRN	AC	HHE		159.8	235	68			58.90	48.39	48.00	0.00	0.39	0.00S		0.000							
IGT	AC	HHZ		166.7	219	68	P		39.29	28.78	28.53	0.00	0.25	0.00		0.000							
IGT	AC	HHE		166.7	219	68			61.37	50.86	49.93	0.00	0.93*	0.00S		0.000							



YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG  
 2015-12-11 2024 55.50 39 8.71 21E37.21 9.29 0.22 1.15 2.48 3.14 3.16 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  
 15 21 92.3 At1 251 10 0 12 6 14 4.00 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
LKD2	AC	HHZ		92.3	245	92	P		72.16	16.66	16.50	0.00	0.16	1.03		0.389			
LKD2	AC	HHN		92.3	245	92	S		83.94	28.44	28.88	0.00	-0.44	0.91S		0.456			
IGT	AC	HHZ		119.2	292	91	P		76.64	21.14	21.14	0.00	0.00	1.03		0.343			
IGT	AC	HHE		119.2	292	91	S		92.56	37.06	36.99	0.00	0.06	1.03S		0.586			
LSK	AC	HHZ		141.9	323	68	P		80.23	24.73	24.82	0.00	-0.09	1.03		0.131			
LSK	AC	HHE		141.9	323	68		6	60.00	4.50	24.82	0.00		0.00		0.000	1.00	1.9 .68	3.27 L
							S		99.42	43.92	43.43	0.00	0.49	0.81S		0.181			
SRN	AC	HHZ		161.4	301	68	P		83.75	28.25	27.93	0.00	0.32	1.03		0.104	1.00	40 3.16 D	
SRN	AC	HHN		161.4	301	68		6	60.00	4.50	27.93	0.00		0.00		0.000	1.00	0.65 .36	2.94 L
							S		104.29	48.79	48.88	0.00	-0.09	1.03S		0.621			
KBN	AC	HHZ		179.0	337	68	P		87.87	32.37	30.73	0.00	0.64*	0.00		0.000			
KBN	AC	HHN		179.0	337	68		6	60.00	4.50	30.73	0.00		0.00		0.000	1.00	0.84 .81	3.15 L
							S		109.14	53.64	53.78	0.00	-0.14	1.03S		0.243			
FNA	AC	HHZ		182.8	354	68	P		85.90	30.40	31.34	0.00	-0.94*	0.00		0.000			
FNA	AC	HHN		182.8	354	68	S		110.07	54.57	54.85	0.00	-0.28	1.03S		0.380			
PHP	AC	HHZ		299.2	341	50	P		103.02	47.52	47.56	0.00	-0.04	1.03		0.281			
PHP	AC	HHN		299.2	341	50		6	120.00	64.50	47.56	0.00		0.00		0.000	1.00	0.21 .86	3.13 L
BCI	AC	HHZ		381.0	341	50	P		113.99	58.49	58.37	0.00	0.12	1.03		0.281			

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG  
 2015-12-15 1611 45.03 39 21.13 20E31.55 19.28 0.37 1.76 1.66 2.46 2.72 2.7

SOURCE

NSTA NPHS DMIN MODEL GAP ITR NFM NWR NWS NVR REMRKS-AVH N.XMG-XMMAD-T N.FMG-FMMAD-T L F X  
 11 16 26.1 At1 151 10 0 10 5 11 2.00 0.32 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
IGT	AC	HHZ		26.1	320	122	P		50.77	5.74	5.81	0.00	-0.07	1.04		0.280			
IGT	AC	HHN		26.1	320	122	S		55.35	10.32	10.17	0.00	0.15	1.04S		0.736			
LKD2	AC	HHZ		63.5	169	100	P		56.35	11.32	11.73	0.00	-0.41	1.04		0.340			
LKD2	AC	HHN		63.5	169	100	S		65.94	20.91	20.53	0.00	0.38	1.04S		0.605			
SRN	AC	HHZ		74.0	323	71	P		58.20	13.17	13.40	0.00	-0.23	1.04		0.285	1.00	23 2.72 D	

SRN	AC	HHN	74.0	323	71		6	60.00	14.97	13.40	0.00		0.00	0.000	1.00		0.43	.25	2.14	L
						S		68.66	23.63	23.45	0.00	0.18	1.04S	0.712						
LSK	AC	HHZ	88.8	4	71	P		60.37	15.34	15.77	0.00	-0.43	1.04	0.180						
LSK	AC	HHN	88.8	4	71	S		73.01	27.98	27.60	0.00	0.38	1.04S	0.365						
KBN	AC	HHZ	142.9	8	71	P		71.53	26.50	24.40	0.00	0.10	0.00	0.000						
KBN	AC	HHE	142.9	8	71		6	60.00	14.97	24.40	0.00		0.00	0.000	1.00		0.58	.80	2.77	L
						S		87.09	42.06	42.70	0.00	-0.44	0.80S	0.255						
FNA	AC	HHZ	174.8	24	71	P		75.11	30.08	29.48	0.00	0.60*	0.87	0.235						

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2015	12	16	0811	29.37	38 34.40	20E39.72	17.97	1.48	8.90	3.98	3.04	3.62 3.6

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L F X
24	30	23.9	Atl	300	8	0	16	5	17		9.00 0.19 L	4.00 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		23.9	0	122	P		35.51	6.14	5.39	0.00	0.75*	1.16		0.384	1.00	76	3.61 D
LKD2	AC	HHE		23.9	0	122	S		36.95	7.58	9.43	0.00	-1.85*	1.16S		0.643			
IGT	AC	HHZ		110.2	345	71	P		49.07	19.70	19.25	0.00	0.45	1.16		0.101	1.00	65	3.62 D
IGT	AC	HHN		110.2	345	71	S		62.27	32.90	33.69	0.00	-0.79*	1.16S		0.495			
SRN	AC	HHZ		155.9	339	71	P		57.31	27.94	26.54	0.00	1.40*	1.16		0.147	1.00	53	3.48 D
SRN	AC	HHE		155.9	339	71		6	60.00	30.63	26.54	0.00		0.00		0.000	1.00		0.64 .51 2.90 L
							S		79.21	49.84	46.44	0.00	3.39*	0.45S		0.097			
SRN	AC	HHN		155.9	339	71		6	60.00	30.63	26.54	0.00		0.00		0.000	1.00		0.37 .41 2.66 L
LSK	AC	HHZ		175.1	359	71	P		60.83	31.46	29.60	0.00	1.86*	1.16		0.089	1.00	82	3.87 D
LSK	AC	HHN		175.1	359	71		6	60.00	30.63	29.60	0.00		0.00		0.000	1.00		1.8 .75 3.47 L
							S		82.94	53.57	51.80	0.00	1.77*	1.16S		0.345			
LSK	AC	HHE		175.1	359	71		6	60.00	30.63	29.60	0.00		0.00		0.000	1.00		1.3 .74 3.33 L
KBN	AC	HHZ		227.9	2	51	P		69.02	39.65	37.19	0.00	2.46*	1.00		0.110			
KBN	AC	HHN		227.9	2	51		6	60.00	30.63	37.19	0.00		0.00		0.000	1.00		0.47 .57 3.18 L
							S		89.96	60.59	65.08	0.00	-4.49*	0.04S		0.000			
VLO	AC	HHZ		233.1	335	51	P		64.04	34.67	37.88	0.00	-3.21*	0.57		0.044			
SCTE	AC	HHZ		252.3	313	51	P		68.99	39.62	40.42	0.00	-0.80*	1.16		0.451			
SCTE	AC	HHN		252.3	313	51		6	60.00	30.63	40.42	0.00		0.00		0.000	1.00		0.22 .50 2.96 L
SCTE	AC	HHE		252.3	313	51		6	60.00	30.63	40.42	0.00		0.00		0.000	1.00		0.17 .36 2.85 L
FNA	AC	HHZ		252.9	13	51	P		69.77	40.40	40.50	0.00	-0.10	1.16		0.249			
FNA	AC	HHE		252.9	13	51	S		98.66	69.29	70.88	0.00	-1.59*	1.16S		0.507			
TIR	AC	HHZ		315.5	348	51	P		75.68	46.31	48.78	0.00	-2.47*	1.00		0.088			
TIR	AC	HHN		315.5	348	51		6	120.00	90.63	48.78	0.00		0.00		0.000	1.00		0.15 .50 3.04 L
PHP	AC	HHZ		346.0	357	51	P		82.24	52.87	52.81	0.00	0.06	1.16		0.125			
BCI	AC	HHZ		424.2	354	51	P		91.71	62.34	63.16	0.00	-0.82*	1.16		0.117			
BCI	AC	HHN		424.2	354	51		6	120.00	90.63	63.16	0.00		0.00		0.000	1.00		0.17 .93 3.42 L

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG  
 2015-12-17 0939 28.96 42 26.93 19E22.12 6.18 0.17 1.54 18.71 2.61 2.76 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  
 5 7 58.3 At1 297 9 0 5 2 5 - 1.00 0.00 L 3.00 0.06 D  
 REGION= Mali 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	HHN		58.3	98	90		6	0.00	-28.96	10.64	0.00		0.00		0.000	1.00		2.2 .40 2.61 L
							S		47.41	18.45	18.62	0.00	-0.17	1.11S		0.701			
BCI	AC	HHZ		58.3	98	90	P		39.80	10.84	10.64	0.00	0.20	1.11		0.619	1.00	26	2.70 D
PHP	AC	HHN		122.8	133	90	S		67.11	38.15	38.03	0.00	0.12	1.11S		0.843			
PHP	AC	HHZ		122.8	133	90	P		50.36	21.40	21.73	0.00	-0.33	0.55		0.083	1.00	36	3.03 D
TIR	AC	HHZ		129.1	161	90	P		51.67	22.71	22.80	0.00	-0.09	1.11		0.751	1.00	26	2.76 D

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG  
 2015-12-17 1442 28.96 40 19.86 21E52.68 31.26 0.21 0.58 0.94 3.29 3.33 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  
 19 27 65.2 At1 143 9 0 16 8 18 4.00 0.08 L 4.00 0.05 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		65.2	321	104	P		40.82	11.86	12.31	0.00	-0.45	0.72		0.087	1.00	27	2.99 D
FNA	AC	HHE		65.2	321	104	S		50.65	21.69	21.54	0.00	0.15	1.13S		0.492			
THE	AC	HHZ		97.9	69	93	P		46.52	17.56	17.31	0.00	0.25	1.13		0.322			
THE	AC	HHE		97.9	69	93	S		59.12	30.16	30.29	0.00	-0.13	1.13S		0.567			
KBN	AC	HHZ		98.0	290	93	P		46.17	17.21	17.34	0.00	-0.13	1.13		0.145	1.00	37	3.29 D
KBN	AC	HHN		98.0	290	93		6	0.00	-28.96	17.34	0.00		0.00		0.000	1.00		4.0 .60 3.32 L
							S		59.73	30.77	30.35	0.00	0.42	0.78S		0.149			
LSK	AC	HHZ		110.7	260	92	P		48.13	19.17	19.30	0.00	-0.13	1.13		0.173	1.00	41	3.39 D
LSK	AC	HHN		110.7	260	92	S		62.30	33.34	33.77	0.00	-0.44	0.78S		0.154			
LSK	AC	HHE		110.7	260	92		6	60.00	31.04	19.30	0.00		0.00		0.000	1.00		5.2 .74 3.52 L
IGT	AC	HHZ		159.4	237	66	P		55.63	26.67	26.68	0.00	-0.01	1.13		0.155			
IGT	AC	HHE		159.4	237	66	S		75.86	46.90	46.69	0.00	0.21	1.13S		0.297			
SRN	AC	HHZ		167.7	254	66	P		57.69	28.73	27.87	0.00	0.46	0.00		0.000	1.00	38	3.37 D
SRN	AC	HHN		167.7	254	66		6	60.00	31.04	27.87	0.00		0.00		0.000	1.00		1.0 .83 3.18 L
							S		77.63	48.67	48.77	0.00	-0.10	1.13S		0.218			
PHP	AC	HHZ		192.9	322	58	P		60.00	31.04	31.36	0.00	-0.32	1.08		0.112			
PHP	AC	HHN		192.9	322	58		6	60.00	31.04	31.36	0.00		0.00		0.000	1.00		0.831.13 3.25 L

					S	83.93	54.97	54.88	0.00	0.09	1.13S	0.378	
LKD2	AC	HHZ	200.8	212	58	P	61.41	32.45	32.40	0.00	0.05	1.13	0.244
TIR	AC	HHZ	203.9	305	58	P	61.96	33.00	32.81	0.00	0.19	1.13	0.099
BCI	AC	HHZ	272.2	327	58	P	70.16	41.20	41.84	0.00	-0.44	0.09	0.000
BCI	AC	HHE	272.2	327	58	S	102.07	73.11	73.22	0.00	-0.11	1.13S	0.400

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG	
2015	12	23	0744	59.84	40 19.50	21E 0.87	6.18	0.50	0.85	2.00	3.72	3.70	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	
27	37	38.4	Atl	114	9	0	18	9	21		13.00	0.15	L	2.00	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					
KBN	AC	HHZ		38.4	330	90	P		67.71	7.87	7.22	0.00	0.65*	1.15		0.133	1.00	92	3.74	D				
KBN	AC	HHN		38.4	330	90		6	60.00	0.16	7.22	0.00		0.00		0.000	1.00				57	.47	3.80	L
							S		72.25	12.41	12.63	0.00	-0.22	1.15S		0.249								
KBN	AC	HHE		38.4	330	90		6	60.00	0.16	7.22	0.00		0.00		0.000	1.00				26	.56	3.47	L
LSK	AC	HHZ		40.4	242	90	P		67.04	7.20	7.57	0.00	-0.37	1.15		0.128								
LSK	AC	HHN		40.4	242	90		6	60.00	0.16	7.57	0.00		0.00		0.000	1.00				46	.36	3.72	L
							S		72.96	13.12	13.25	0.00	-0.13	1.15S		0.208								
LSK	AC	HHE		40.4	242	90		6	60.00	0.16	7.57	0.00		0.00		0.000	1.00				36	.31	3.62	L
FNA	AC	HHZ		59.6	31	90	P		69.99	10.15	10.86	0.00	-0.71*	1.13		0.230	1.00	81	3.66	D				
FNA	AC	HHN		59.6	31	90	S		79.64	19.80	19.00	0.00	0.80*	1.09S		0.341								
SRN	AC	HHZ		99.6	241	90	P		77.53	17.69	17.74	0.00	-0.05	1.15		0.129								
SRN	AC	HHE		99.6	241	90		6	60.00	0.16	17.74	0.00		0.00		0.000	1.00				9.0	.40	3.65	L
							S		90.68	30.84	31.05	0.00	-0.20	1.15S		0.209								
SRN	AC	HHN		99.6	241	90		6	60.00	0.16	17.74	0.00		0.00		0.000	1.00				15	.40	3.88	L
VLO	AC	HHZ		130.0	278	90	P		84.50	24.66	22.96	0.00	1.70*	0.02		0.000								
VLO	AC	HHN		130.0	278	90		6	60.00	0.16	22.96	0.00		0.00		0.000	1.00				18	.57	4.17	L
							S		100.64	40.80	40.18	0.00	0.62*	1.15S		0.220								
VLO	AC	HHE		130.0	278	90		6	60.00	0.16	22.96	0.00		0.00		0.000	1.00				12	.50	4.01	L
TIR	AC	HHZ		149.3	320	68	P		86.68	26.84	26.20	0.00	0.64*	1.15		0.084								
TIR	AC	HHN		149.3	320	68		6	60.00	0.16	26.20	0.00		0.00		0.000	1.00				3.91	.05	3.63	L
							S		103.98	44.14	45.85	0.00	-1.71*	0.01S		0.000								
TIR	AC	HHE		149.3	320	68		6	60.00	0.16	26.20	0.00		0.00		0.000	1.00				3.0	.57	3.52	L
PHP	AC	HHZ		158.5	343	68	P		86.54	26.70	27.67	0.00	-0.97*	0.91		0.052								
PHP	AC	HHN		158.5	343	68		6	60.00	0.16	27.67	0.00		0.00		0.000	1.00				3.2	.60	3.61	L
							S		107.86	48.02	48.42	0.00	-0.40	1.15S		0.248								
THE	AC	HHZ		168.7	77	68	P		88.05	28.21	29.29	0.00	-1.08*	0.74		0.095								
THE	AC	HHN		168.7	77	68	S		111.48	51.64	51.26	0.00	0.38	1.15S		0.421								
LKD2	AC	HHZ		173.3	191	68	P		89.64	29.80	30.02	0.00	-0.22	1.15		0.186								
LKD2	AC	HHN		173.3	191	68	S		112.85	53.01	52.53	0.00	0.48	1.15S		0.413								

SCTE	AC	HHZ	218.5	264	55	P	94.87	35.03	37.18	0.00	-2.15*	0.00	0.000							
BCI	AC	HHZ	240.2	342	50	P	99.91	40.07	40.09	0.00	-0.02	1.15	0.131							
BCI	AC	HHN	240.2	342	50		6	120.00	60.16	40.09	0.00		0.00	0.000	1.00		2.1	.81	3.88	L
						S		129.98	70.14	70.16	0.00	-0.02	1.15S	0.513						
BCI	AC	HHE	240.2	342	50		6	120.00	60.16	40.09	0.00		0.00	0.000	1.00		2.0	.80	3.87	L

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG		
2015	12	24	1114	34.06	40	45.56	21E11.55	16.25	0.14	0.90	1.37	2.54	2.91	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	
8	11	16.3	At1	136	16	0	6	3	7		3.00	0.02	L	2.00	0.48	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	HHN		16.3	81	130	S		41.28	7.22	7.33	0.00	-0.11	1.09S	0.892						
FNA	AC	HHZ		16.3	81	130	P		38.66	4.60	4.19	0.00	0.21	0.56	0.121						
KBN	AC	HHN		37.4	247	106		6	0.00	-34.06	7.34	0.00		0.00	0.000	1.00		3.0	.36	2.54	L
							S		46.95	12.89	12.84	0.00	0.05	1.09S	0.986						
KBN	AC	HHZ		37.4	247	106	P		42.04	7.98	7.34	0.00	0.24	0.00	0.000	1.00	18	2.43	D		
LSK	AC	HHZ		84.4	217	93	P		49.35	15.29	15.14	0.00	0.15	1.09	0.407	1.00	52	3.38	D		
LSK	AC	HHE		84.4	217	93		6	60.00	25.94	15.14	0.00		0.00	0.000	1.00		0.85	.54	2.52	L
							S		60.42	26.36	26.49	0.00	-0.13	1.09S	0.633						
PHP	AC	HHZ		120.6	329	71	P		54.99	20.93	20.99	0.00	-0.06	1.09	0.957						
PHP	AC	HHN		120.6	329	71		6	60.00	25.94	20.99	0.00		0.00	0.000	1.00		0.54	.37	2.59	L

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG		
2015	12	25	0848	44.75	42	2.02	20E45.95	3.66	0.05	0.72	1.56	2.68	2.63	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	
8	12	47.2	At1	216	7	0	7	3	8		2.00	0.20	L	2.00	0.08	D

REGION= Kosova (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			
PHP	AC	HHZ		47.2	215	62	P		53.74	8.99	8.95	0.00	0.04	1.00	0.337	1.00	22	2.55	D		
PHP	AC	HHN		47.2	215	62		6	0.00	-44.75	8.95	0.00		0.00	0.000	1.00		2.2	.14	2.48	L
							S		59.16	14.41	15.66	0.00	-0.25	0.00S	0.000						
BCI	AC	HHZ		68.5	303	62	P		57.33	12.58	12.61	0.00	-0.03	1.00	0.458	1.00	26	2.71	D		
BCI	AC	HHE		68.5	303	62		6	60.00	15.25	12.61	0.00		0.00	0.000	1.00		2.8	.28	2.88	L
							S		66.84	22.09	22.07	0.00	0.02	1.00S	0.812						
TIR	AC	HHZ		106.9	225	62	P		64.02	19.27	19.21	0.00	0.06	1.00	0.331						
TIR	AC	HHN		106.9	225	62	S		78.31	33.56	33.62	0.00	-0.06	1.00S	0.789						

FNA AC HHN 148.3 159 55 S 90.84 46.09 46.04 0.00 0.05 1.00S 0.828  
 FNA AC HHZ 148.3 159 55 P 71.01 26.26 26.31 0.00 -0.05 1.00 0.442

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG  
 2015-12-26 0221 37.24 41 33.91 19E18.22 22.95 0.10 0.96 2.29 2.31 2.75 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 52.7 At1 233 12 0 7 3 8 3.00 0.08 L 2.00 0.08 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
TIR	AC	HHZ		52.7	117	90	P		47.27	10.03	9.98	0.00	0.05	1.19		0.624	1.00	21	2.67 D
TIR	AC	HHN		52.7	117	90		6	0.00	-37.24	9.98	0.00		0.00		0.000	1.00		0.80 .14 2.15 L
							S		54.38	17.14	17.47	0.00	-0.33	0.02S		0.000			
PHP	AC	HHZ		95.7	81	90	P		54.01	16.77	16.83	0.00	-0.06	1.19		0.243	1.00	24	2.82 D
PHP	AC	HHN		95.7	81	90		6	60.00	22.76	16.83	0.00		0.00		0.000	1.00		0.50 .11 2.39 L
							S		66.70	29.46	29.45	0.00	0.01	1.19S		0.819			
BCI	AC	HHZ		109.2	35	90	P		56.06	18.82	18.99	0.00	-0.17	1.04		0.411			
BCI	AC	HHN		109.2	35	90		6	60.00	22.76	18.99	0.00		0.00		0.000	1.00		0.33 .34 2.31 L
							S		70.58	33.34	33.23	0.00	0.11	1.19S		0.715			
SRN	AC	HHZ		196.2	162	62	P		69.92	32.68	32.50	0.00	0.18	1.01		0.340			
SRN	AC	HHN		196.2	162	62	S		94.04	56.80	56.88	0.00	-0.07	1.19S		0.844			

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG  
 2015-12-26 1101 58.20 38 43.51 18E56.72 4.42 5.54 87.05 85.08

SOURCE

NSTA NPHS DMIN MODEL GAP ITR NFM NWR NWS NVR REMRKS-AVH N.XMG-XMMAD-T N.FMG-FMMAD-T L F X  
 7 7 149.0 At1 286 24 0 6 0 7 # 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
LKD2	AC	HHZ		149.0	86	55	P		85.42	27.22	26.34	0.00	0.88*	1.34		0.999			
LSK	AC	HHZ		212.8	41	55	P		97.53	39.33	36.51	0.00	2.82*	1.34		0.999			
KBN	AC	HHZ		263.5	36	43	P		101.31	43.11	43.41	0.00	-0.30	1.34		0.439			
TIR	AC	HHZ		301.6	14	43	P		76.98	18.78	48.45	0.00	-29.67*	0.23		0.024			
FNA	AC	HHZ		309.5	41	43	P		97.47	39.27	49.50	0.00	-10.23*	1.34		0.567			
THE	AC	HHZ		404.6	57	43	P		87.12	28.92	62.08	0.00	-33.16*	0.07		0.002			
BCI	AC	HHZ		415.4	12	43	P		125.09	66.89	63.51	0.00	3.38*	1.34		0.967			

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG  
 2015-12-26 1731 54.78 39 31.97 21E41.53 3.57 0.18 1.28 1.77 2.79 3.01 3.0

SOURCE

NSTA NPHS DMIN MODEL GAP ITR NFM NWR NWS NVR REMRKS-AVH N.XMG-XMMAD-T N.FMG-FMMAD-T L F X  
 12 17 116.0 At1 238 8 0 11 5 12 3.00 0.14 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
LSK	AC	HHZ		116.0	307	62	P		75.56	20.78	20.78	0.00	0.00	1.13		0.356			
LSK	AC	HHN		116.0	307	62		6	60.00	5.22	20.78	0.00		0.00		0.000	1.00		1.4 .51 2.98 L
							S		91.33	36.55	36.36	0.00	0.18	1.13S		0.452			
LKD2	AC	HHZ		121.7	228	62	P		76.65	21.87	21.76	0.00	0.11	1.13		0.417			
LKD2	AC	HHE		121.7	228	62	S		92.85	38.07	38.08	0.00	-0.01	1.13S		0.681			
FNA	AC	HHZ		141.1	350	62	P		79.67	24.89	25.10	0.00	-0.21	1.13		0.356			
FNA	AC	HHN		141.1	350	62	S		98.90	44.12	43.92	0.00	0.20	1.13S		0.699			
KBN	AC	HHZ		143.6	328	62	P		80.13	25.35	25.52	0.00	-0.17	1.13		0.259			
KBN	AC	HHE		143.6	328	62		6	60.00	5.22	25.52	0.00		0.00		0.000	1.00		0.60 .63 2.79 L
							S		99.44	44.66	44.66	0.00	0.00	1.13S		0.261			
SRN	AC	HHZ		150.1	286	55	P		81.87	27.09	26.61	0.00	0.48	0.63		0.052	1.00	34	3.01 D
SRN	AC	HHN		150.1	286	55		6	60.00	5.22	26.61	0.00		0.00		0.000	1.00		0.40 .41 2.65 L
							S		101.07	46.29	46.57	0.00	-0.28	1.12S		0.437			
PHP	AC	HHZ		261.4	337	43	P		97.43	42.65	43.25	0.00	-0.60*	0.21		0.024			
BCI	AC	HHZ		343.2	338	43	P		109.75	54.97	54.07	0.00	0.90*	0.00		0.000			

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG  
 2015-12-27 0030 58.11 41 52.57 20E55.43 6.25 0.08 0.82 1.22 1.97 2.44 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  
 6 9 45.4 At1 214 11 0 5 3 6 - 2.00 0.04 L 2.00 0.06 D

REGION= Maqedonia (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		45.4	243	90	P		67.21	9.10	8.44	0.00	0.66*	0.00		0.566	1.00	18	2.38 D
PHP	AC	HHN		45.4	243	90		6	60.00	1.89	8.44	0.00		0.00		0.037	1.00		0.65 .47 1.93 L
							S		72.90	14.79	14.77	0.00	0.02	1.01S		0.979			
BCI	AC	HHZ		89.3	308	90	P		74.22	16.11	15.98	0.00	0.13	0.98		0.638	1.00	20	2.50 D
BCI	AC	HHE		89.3	308	90		6	60.00	1.89	15.98	0.00		0.00		0.000	1.00		0.24 .43 2.00 L
							S		85.95	27.84	27.97	0.00	-0.13	0.99S		0.745			
FNA	AC	HHZ		127.5	162	90	P		80.63	22.52	22.54	0.00	-0.02	1.01		0.418			
FNA	AC	HHN		127.5	162	90	S		97.53	39.42	39.44	0.00	-0.03	1.01S		0.613			

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG  
 2015-12-28 1040 1.14 39 0.95 20E40.53 0.04 0.23 1.05 1.52 3.75 3.25 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  
 14 21 25.2 At1 168 8 0 14 7 14 # 3.00 0.03 L 3.00 0.17 D

REGION= Deti Jone (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
LKD2	AC	HHZ		25.2	184	61	P		6.43	5.29	5.29	0.00	0.00	1.20		0.385			
LKD2	AC	HHN		25.2	184	61	S		10.31	9.17	9.26	0.00	-0.09	1.20S		0.788			
IGT	AC	HHZ		64.6	333	51	P		13.16	12.02	12.35	0.00	-0.33	1.18		0.250			
IGT	AC	HHN		64.6	333	51	S		22.35	21.21	21.61	0.00	-0.40	1.07S		0.318			
SRN	AC	HHZ		112.2	330	51	P		21.65	20.51	20.53	0.00	-0.02	1.20		0.269	1.00	36	3.02 D
SRN	AC	HHN		112.2	330	51		6	0.00	-1.14	20.53	0.00		0.00		0.000	1.00		2.3 .31 3.14 L
							S		37.32	36.18	35.93	0.00	0.25	1.20S		0.463			
LSK	AC	HHZ		126.1	358	51	P		23.37	22.23	22.92	0.00	-0.49	0.13		0.002	1.00	57	3.42 D
LSK	AC	HHN		126.1	358	51		6	0.00	-1.14	22.92	0.00		0.00		0.000	1.00		7.8 .31 3.78 L
							S		41.61	40.47	40.11	0.00	0.36	1.15S		0.203			
KBN	AC	HHZ		178.8	3	46	P		32.81	31.67	31.65	0.00	0.02	1.20		0.205	1.00	44	3.25 D
KBN	AC	HHN		178.8	3	46		6	0.00	-1.14	31.65	0.00		0.00		0.000	1.00		3.31.00 3.75 L
							S		57.14	56.00	55.39	0.00	0.41	0.33S		0.025			
FNA	AC	HHZ		205.2	16	46	P		36.83	35.69	35.86	0.00	-0.17	1.20		0.290			
FNA	AC	HHN		205.2	16	46	S		63.72	62.58	62.76	0.00	-0.18	1.20S		0.551			
PHP	AC	HHZ		297.0	357	37	P		49.71	48.57	48.53	0.00	0.04	1.20		0.111			
PHP	AC	HHN		297.0	357	37	S		85.52	84.38	84.93	0.00	-0.45	0.56S		0.132			

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG  
 2015-12-30 0547 21.94 41 34.41 20E53.21 10.22 0.40 1.34 3.27 2.27 2.63 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  
 15 21 39.2 At1 191 14 0 12 6 12 8.00 0.20 L 5.00 0.07 D

REGION= Maqedoni (Macedonia)

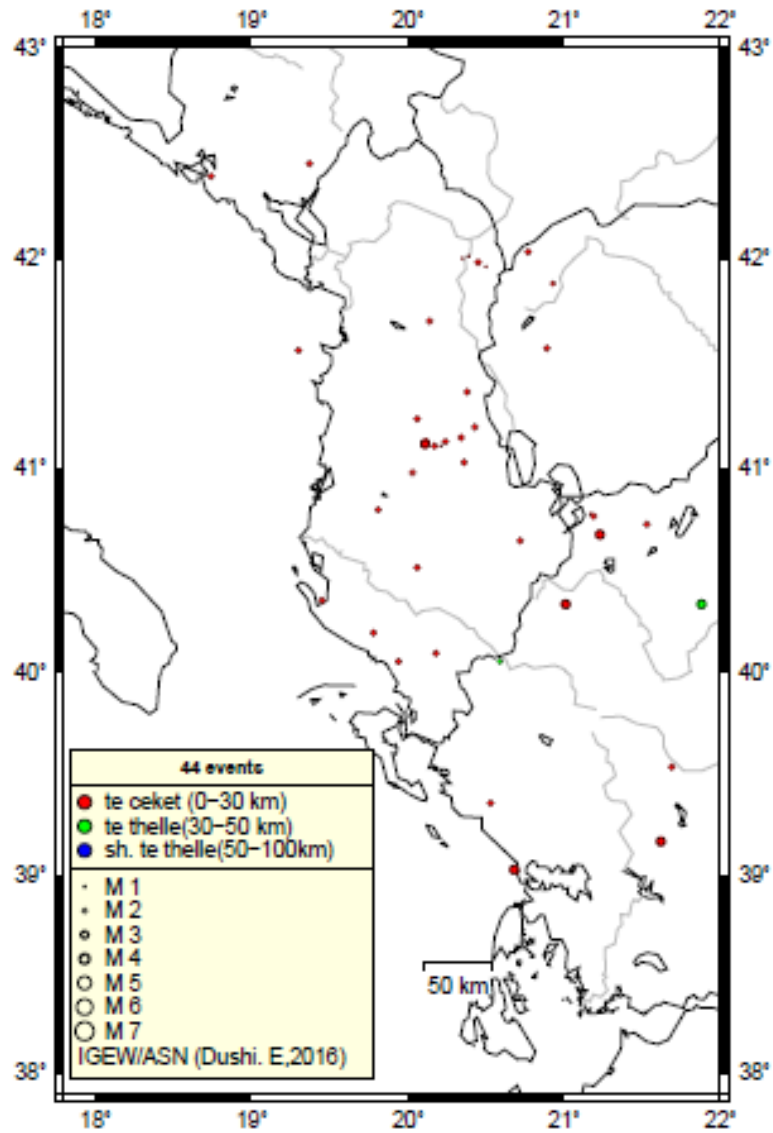
STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
PHP	AC	HHZ		39.2	289	98	P		29.21	7.27	7.41	0.00	-0.14	1.19		0.201	1.00	23	2.58 D
PHP	AC	HHN		39.2	289	98		6	0.00	-21.94	7.41	0.00		0.00		0.000	1.00		4.0 .14 2.66 L
							S		33.75	11.81	12.97	0.00	-1.16*	0.14S		0.006			
TIR	AC	HHZ		89.0	254	93	P		38.11	16.17	15.94	0.00	0.23	1.19		0.168			
TIR	AC	HHE		89.0	254	93		6	0.00	-21.94	15.94	0.00		0.00		0.000	1.00		0.08 .15 1.52 L
							S		49.50	27.56	27.89	0.00	-0.33	1.19S		0.627			
FNA	AC	HHZ		97.3	154	92	P		38.90	16.96	17.37	0.00	-0.41	1.19		0.296	1.00	23	2.63 D
FNA	AC	HHN		97.3	154	92	S		52.06	30.12	30.40	0.00	-0.28	1.19S		0.449			
KBN	AC	HHZ		105.8	185	92	P		41.27	19.33	18.83	0.00	0.50*	1.19		0.147	1.00	21	2.56 D



KBN	AC	HHE	105.8	185	92	6	0.00-21.94	18.83	0.00	0.00	0.000	1.00			0.19	.63	2.03	L	
						S	55.49	33.55	32.95	0.00	0.60*	1.15S	0.338						
KBN	AC	HHN	105.8	185	92	6	60.00	38.06	18.83	0.00	0.00	0.000	1.00		0.23	.34	2.11	L	
BCI	AC	HHZ	111.2	323	92	P	42.47	20.53	19.76	0.00	0.77*	0.92	0.225	1.00	25	2.72	D		
BCI	AC	HHE	111.2	323	92	6	0.00-21.94	19.76	0.00	0.00	0.000	1.00			0.31	.36	2.28	L	
						S	56.35	34.41	34.58	0.00	-0.17	1.19S	0.548						
BCI	AC	HHN	111.2	323	92	6	0.00-21.94	19.76	0.00	0.00	0.000	1.00			0.29	.72	2.25	L	
LSK	AC	HHZ	160.0	189	68	P	50.64	28.70	27.64	0.00	1.06*	0.30	0.025	1.00	43	3.22	D		
LSK	AC	HHE	160.0	189	68	6	60.00	38.06	27.64	0.00	0.00	0.000	1.00			0.17	.28	2.34	L
						S	70.03	48.09	48.37	0.00	-0.28	1.19S	0.964						
LSK	AC	HHN	160.0	189	68	6	60.00	38.06	27.64	0.00	0.00	0.000	1.00			0.28	.47	2.56	L

**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
2015	12	25	0429	51.94								PHP
GAP=					hor.err=		ver.err=					
STAT	SP	IPHASW	D	HRMM	SECON	AZIMU	RES	DIS	DUR	Md		
PHP	SZ	IPG		0429	54.21							
PHP	SE	ISG		0911	55.07							



**-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 Dhjetor 2015, bazuar në regjistrimet e ASN dhe stacioneve sizmologjike në rajon.  
*(Epicentral map for located seismicity within Albania and surrounding during December 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 <sup>o</sup> -43 <sup>o</sup> V; 18.5 <sup>o</sup> -21.5 <sup>o</sup> L)	[total recorded number of seismic events]	36
Numuri i ngjarjeve sizmike brenda kufirit shtetëror	[earthquakes occurred within state border]	26
Thellësia mesatare e vrojtuar (km)	[mean observed depth]	8
Thellësia maksimale e vrojtuar (km)	[maximum observed depth]	31
Magnituda lokale minimale e vrojtuar (M <sub>Ld</sub> )	[minimum observed local magnitude]	1.0
Magnituda lokale maksimale e vrojtuar (M <sub>Ld</sub> )	[maximum observed local magnitude]	3.8
Intensiteti maksimal i vrojtuar (MSK-64)	[maximum observed intensity]	IV-V

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