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BULETINI SIZMOLOGJIK

Mars 2017

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 pasqyrit 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.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. Olger Gjuzi (Geologists/Observers) and scientific stuff: Prof.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)

T₀ – 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.	Lartesia	Tipi i stacionit	Sensori	Terheqja e Informacionit	Komunikimi	T ₀
Station Code	Registered (WDC)	Latitude (degree)	Longitude (degree)	Elev. (m)	Station type	Sensor type	Acquisition system	Communication	Nat.l Period (s)
TIR	Po (Y)	41.3477	19.8650	198	3C-BB	STS-2	Libra VSAT (InterNaqs)	RT satellite	120
BCI	Po (Y)	42.3666	20.0675	500	3C-BB	CMG-40T	Libra VSAT	RT satellite	40
PHP	Po (Y)	41.6847	20.4408	670	3C-BB	Trillium 40T	Libra VSAT	RT satellite	40
SDA	Po (Y)	42.0519	19.4986	80	3C-SP	SM-4	GBV-316	Dial-up	0.2
LACI	Po (Y)	41.6363	19.7094	40	3C-SP	SM-4	GBV-316	Dial-up	0.2
TPE	Po (Y)	40.2952	20.0109	240	3C-SP	SM-4	GBV-316	Dial-up	0.2
LSK	Po (Y)	40.1500	20.6000	920	3C-BB	CMG-40T	Libra VSAT	RT satellite	40
KBN	Po (Y)	40.6236	20.7874	800	3C-BB	Trillium 40T	Libra VSAT	RT satellite	40
VLO	Po (Y)	40.4686	19.4955	80	3C-BB	Trillium 40T	Libra VSAT	RT satellite	40
SRN	Po (Y)	39.8800	20.0005	20	3C-BB	Trillium 40T	Libra VSAT	RT satellite	40
PUK	Po (Y)	42.0426	19.8926	900	3C-BB	Trillium 40T	Libra VSAT	RT satellite	40
KKS	Po (Y)	42.0756	20.4113	300	3C-SP	SM-4	GBV-316	Dial-up	0.2

Rrjeti Sizmologjik Virtual (Virtual Seismological Network)

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

Kodi	Regjistruar (Po/Jo)	Gjer. Gjeo.	Gjat. Gjeo.	Lartesia	Tipi i stacionit	Sensori	Terheqja e Informacionit	Komunikimi	T ₀
Station Code	Registered (WDC)	Latitude (degree)	Longitude (degree)	Elev. (m)	Station type	Sensor type	Acquisition system	Communication	Nat.l Period (s)
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)

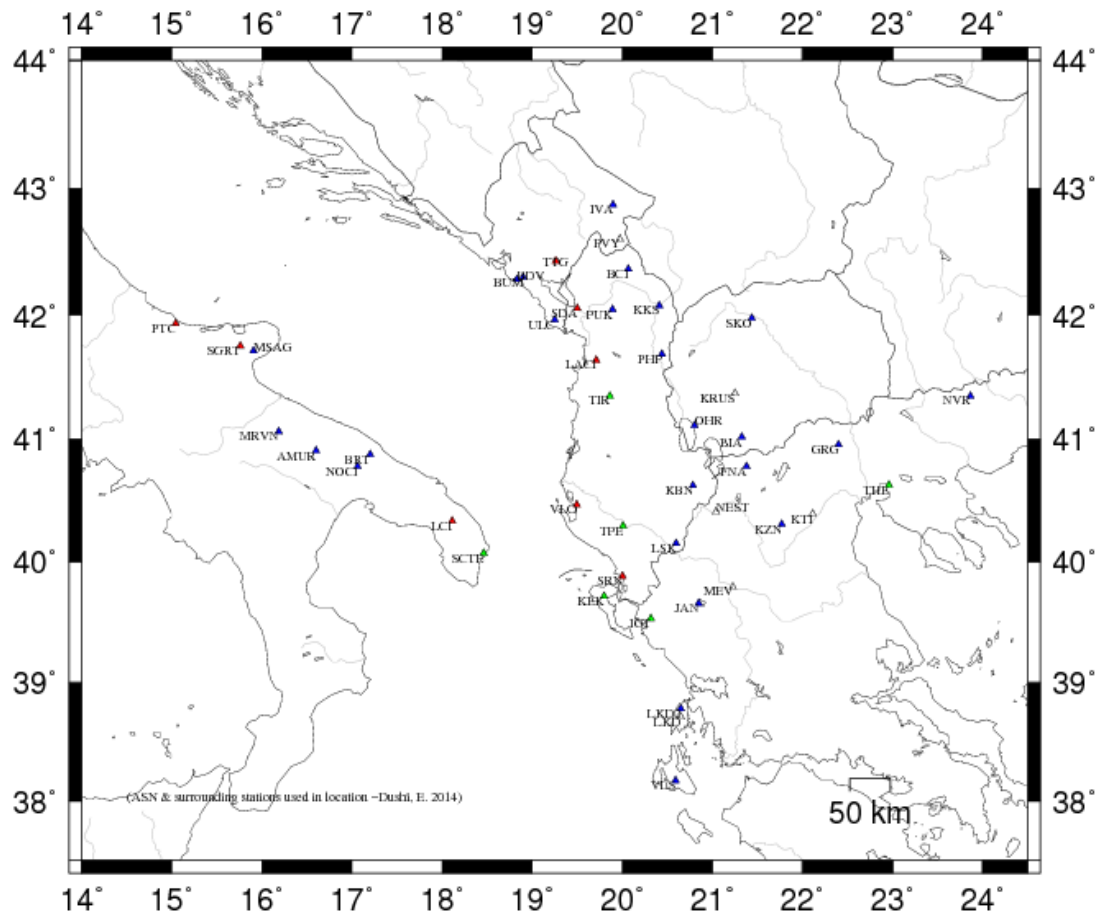
Kodi	Regjistruar (Po/Jo)	Gjer. Gjeo.	Gjat. Gjeo.	Lartesia	Tipi i stacionit	Sensori	Terheqja e Informacionit	Komunikimi	T₀
Station Code	Registered (WDC)	Latitude (degree)	Longitude (degree)	Elev. (m)	Station type	Sensor type	Acquisition system	Communication	Nat.l Period (s)
MEV	Po (Y)	39.7850	21.2290	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	T₀
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) [*longitude in degree and minutes*]
 DEPTH Thellësia vatrore (km) [*hypocenter depth in km*]
 RMS Shmangia kuadratike mesatare për diferencat e peshuara të kohë-udhëtimin, për Fazat Sizmike, [*root mean squarre for the weighted travel time residuals*]

ERH	Gabimi horizontal në lokalizim (përafërsisht aksi maksimal i elipsit të gabimit në epiqendrë), [<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; kodi (1 karakter) për të karakterizuar ngjarjen: F – e ndjerë (felt), Q/ B – shpërthime sipërfaqësore në karriera (quarry blasts), R/N – shpërthime në thellësi (explosions), T – vibrime (tremors) dhe L – kontraktimet me period të gjatë (long period tidal waves); # - problem me 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 [*secondary magnitude information parameters*].

II. Informacioni parametrik i ngjarjes (EVENT PARAMETRIC DATA)

STA Kodi i stacionit me 5-karaktere (station code, max 5 characters). (*) –tregon se për këtë

stacion është përdorur një model alternative shpejtësie [*alternative crustal velocity model used for that station*].

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 korrigjues që përdoret në llogaritjen e magnitudës [<i>calibration factor for magnitude calculation</i>].
DUR	Zgjatshmëria e fazës koda (s) [<i>coda duration i sec</i>]
W	Kodi i peshimit 0-4 për magnitudën bazuar në zgjatshmërinë e sinjalit, Md, [<i>duration magnitude weight code</i>].
FMAG	Magnituda Md, për stacionin [<i>duration magnitude for that station</i>].
T	Kodi për llojin e magnitudës [<i>the magnitude type code assigned by FC1 & FC2 commands</i>].
AMP	amplituda maksimale (pik-pik) [<i>peak to peak maximum amplitude</i>]
U	Kodi për njësinë e përdorur për amplitudën M – mm, C – counts, etj. [<i>amplitude units code</i>]
PER	Perioda (s), ku është matur A_{\max} , [<i>max amplitude corresponding period in sec.</i>].
W	Kodi i peshimit 0-9, për magnitudën, bazuar ne amplitude, [<i>amplitude based magnitude weight code</i>].
XMAG	Magnituda bazuar në amplitude, 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
 2017-03-01 0607 39.99 39 57.86 19E43.13 5.00 0.57 0.87 0.28 2.68 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
 8 12 25.8 Atl 225 6 0 8 4 8 # 0.00 0.00 L 2.00 0.33 D

1 MAR 2017, 6:07 SEQUENCE NO. 1, ID NO. 0
 ERROR ELLIPSE: <SERR AZ DIP>-< 3.47 87 71>-< 2.99 236 16>-< 1.10 330 9>

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
SRN	AC	HHZ		25.8	111	90	P	44.63	4.64	5.16	0.00	-0.52*	1.07			0.454	1.00	19	2.35	D
SRN	AC	HHN		25.8	111	90	S	48.48	8.49	9.03	0.00	-0.54*	1.07S			0.593				
IGT	AC	HHZ		71.1	132	61	P	53.63	13.64	13.43	0.00	0.21	1.07			0.413				
IGT	AC	HHE		71.1	132	61	S	63.79	23.80	23.50	0.00	0.30	1.07S			0.755				
LSK	AC	HHZ		77.8	74	61	P	54.05	14.06	14.61	0.00	-0.55*	1.07			0.172	1.00	37	3.01	D
LSK	AC	HHN		77.8	74	61	S	66.44	26.45	25.57	0.00	0.88*	0.82S			0.656				
BPA1	AC	HHN		84.4	357	61	P	56.68	16.69	15.77	0.00	0.92*	0.76			0.280				
BPA1	AC	HHE		84.4	357	61	S	66.91	26.92	27.60	0.00	-0.68*	1.06S			0.673				

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2017-03-02 0342 5.41 42 11.20 19E34.73 20.81 0.06 8.83 1.81 3.61 3.73 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
 6 9 45.0 Atl 252 8 0 5 3 6 - 3.00 0.01 L 3.00 0.12 D

2 MAR 2017, 3:42 SEQUENCE NO. 1, ID NO. 0
 ERROR ELLIPSE: <SERR AZ DIP>-< 14.75 343 53>-< 2.12 109 23>-< 0.50 211 26>

REGION= 14 km V të Shkodrës, Rajoni Shkodrës (3 km N of Shkodra, Shkodra Region, Albania)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR	W-FMAG-T	AMP-PER-W-XMAG-T
BCI	AC	HHZ		45.0	63	98	P	15.71	10.30	8.59	0.00	0.41	0.00			0.000	1.00	49	3.35	D

BCI	AC	HHN	45.0	63	98	6	0.00	-5.41	8.59	0.00	0.00	0.000	1.00			29	.47	3.61	L	
						S	20.41	15.00	15.03	0.00	-0.03	1.00S	0.999							
LSK	AC	HHZ	241.9	158	53	P	40.80	35.39	35.44	0.00	-0.05	1.00	0.623	1.00	62	3.73	D			
LSK	AC	HHN	241.9	158	53	6	60.00	54.59	35.44	0.00	0.00	0.000	1.00				5.9	.89	4.34	L
						S	67.54	62.13	62.02	0.00	0.11	1.00S	0.876							
SRN	AC	HHZ	258.6	171	53	P	43.01	37.60	37.51	0.00	0.09	1.00	0.623	1.00	70	3.85	D			
SRN	AC	HHN	258.6	171	53	6	60.00	54.59	37.51	0.00	0.00	0.000	1.00				0.911	1.00	3.60	L
						S	70.91	65.50	65.64	0.00	-0.14	1.00S	0.876							

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG		
2017	03	09	0425	34.67	40	5.40	19E45.94	0.00	0.32	0.59	1.78	2.02	2.74	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	
14	20	30.7	At1	129	6	0	12	6	13	#	4.00	0.10	L	3.00	0.12	D

9 MAR 2017, 4:25 SEQUENCE NO. 1, ID NO. 0
 ERROR ELLIPSE: <SERR AZ DIP>-< 1.80 201 80>-< 0.59 32 9>-< 0.48 302 2>

REGION= 2 km JL të Himarës, Rajoni Vlorës (2 km SE of Himara, 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		30.7	139	61	P		41.08	6.41	6.37	0.00	0.04	1.22		0.350	1.00	19	2.37	D		
SRN	AC	HHN		30.7	139	61	6		0.00	-34.67	6.37	0.00		0.00		0.000	1.00		0.93	.46	1.93	L
							S		46.19	11.52	11.15	0.00	0.37	1.22S		0.328						
LSK	AC	HHZ		71.3	84	51	P		47.80	13.13	13.51	0.00	-0.38	1.22		0.286	1.00	27	2.74	D		
LSK	AC	HHN		71.3	84	51	S		58.62	23.95	23.64	0.00	0.31	1.22S		0.301						
LSK	AC	HHE		71.3	84	51	6		60.00	25.33	13.51	0.00		0.00		0.000	1.00		0.28	.47	1.91	L
IGT	AC	HHZ		78.6	141	51	P		49.42	14.75	14.77	0.00	-0.02	1.22		0.201						
IGT	AC	HHE		78.6	141	51	S		60.34	25.67	25.85	0.00	-0.18	1.22S		0.473						
SCTE	AC	HHZ		110.6	270	51	P		55.39	20.72	20.27	0.00	0.45	1.22		0.379						
SCTE	AC	HHN		110.6	270	51	6		60.00	25.33	20.27	0.00		0.00		0.000	1.00		0.21	.77	2.10	L
							S		69.94	35.27	35.47	0.00	-0.20	1.22S		0.728						
TIR	AC	HHZ		139.9	3	51	P		60.92	26.25	25.30	0.00	0.95*	0.25		0.019	1.00	29	2.86	D		
TIR	AC	HHE		139.9	3	51	6		60.00	25.33	25.30	0.00		0.00		0.000	1.00		0.15	.69	2.16	L
							S		79.09	44.42	44.27	0.00	0.15	1.22S		0.491						
FNA	AC	HHZ		157.3	60	46	P		61.82	27.15	28.23	0.00	-0.48	0.06		0.000						
FNA	AC	HHE		157.3	60	46	S		84.54	49.87	49.40	0.00	0.47	1.21S		0.375						
PHP	AC	HHZ		186.0	17	46	P		66.65	31.98	32.81	0.00	-0.83*	0.50		0.061						

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG		
2017	03	10	0412	28.46	41	28.88	19E30.59	24.99	0.09	0.90	2.69	1.63	2.37	1.7

SOURCE

NSTA	NPBS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L	F	X	
7	10	33.2	At1	269	22	0	7	3	7	#	3.00	0.15	L	3.00	0.13	D

10 MAR 2017, 4:12 SEQUENCE NO. 1, ID NO. 0
 ERROR ELLIPSE: <SERR AZ DIP>-< 2.78 58 75>-< 0.93 252 14>-< 0.44 161 3>

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

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T			
TIR	AC	HHZ		33.2	116	90	P		35.53	7.07	6.86	0.00	0.21	0.72		0.304	1.00	13	2.24	D		
TIR	AC	HHN		33.2	116	90		6	0.00	-28.46	6.86	0.00		0.00		0.000	1.00		0.66	.18	1.92	L
							S		40.45	11.99	12.00	0.00	-0.01	1.21S		0.704						
PHP	AC	HHZ		80.9	73	90	P		42.66	14.20	14.46	0.00	-0.26	0.21		0.008	1.00	14	2.37	D		
PHP	AC	HHN		80.9	73	90		6	0.00	-28.46	14.46	0.00		0.00		0.000	1.00		0.08	.18	1.48	L
							S		53.86	25.40	25.31	0.00	0.10	1.21S		0.731						
BCI	AC	HHE		108.7	25	90		6	60.00	31.54	18.90	0.00		0.00		0.000	1.00		0.07	.31	1.63	L
							S		61.46	33.00	33.08	0.00	-0.08	1.21S		0.610						
BCI	AC	HHZ		108.7	25	90	P		47.47	19.01	18.90	0.00	0.11	1.21		0.639	1.00	21	2.74	D		
FNA	AC	HHZ		175.5	115	62	P		57.88	29.42	29.42	0.00	0.00	1.21		0.999						

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2017	03	16	0913	52.43	40 54.69	19E49.42	9.08	0.38	1.77	3.86	1.88	1.9

SOURCE

NSTA	NPBS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L	F	X	
10	15	25.3	At1	234	17	0	8	5	10		0.00	0.00	L	3.00	0.38	D

16 MAR 2017, 9:13 SEQUENCE NO. 1, ID NO. 0
 ERROR ELLIPSE: <SERR AZ DIP>-< 4.25 282 65>-< 1.53 168 10>-< 0.70 74 21>

REGION= Kosove, Rajoni Lushnjes (Kosove, 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			
BPA1	AC	HHZ		25.3	215	101	P		57.50	5.07	5.02	0.00	0.05	1.25		0.264	1.00	11	1.88	D		
BPA1	AC	HHN		25.3	215	101	S		61.00	8.57	8.78	0.00	-0.22	1.25S		0.284						
BPA2	AC	HHZ		26.5	221	100	P		57.70	5.27	5.24	0.00	0.03	1.25		0.311	1.00	7	1.50	D		
BPA2	AC	HHN		26.5	221	100	S		61.07	8.64	9.17	0.00	-0.42	1.25S		0.313						
SRN	AC	HHZ		115.5	172	91	P		71.57	19.14	20.50	0.00	-0.36	1.25		0.000	1.00	28	2.81	D		
SRN	AC	HHN		115.5	172	91	S		88.91	36.48	35.88	0.00	0.60*	1.22S		0.907						
FNA	AC	HHZ		132.4	95	68	P		74.22	21.79	23.31	0.00	-1.52*	0.00		0.000						
FNA	AC	HHE		132.4	95	68	S		92.99	40.56	40.79	0.00	-0.23	1.25S		0.832						
IGT	AC	HHZ		159.2	164	68	P		80.48	28.05	27.59	0.00	0.46	1.25		0.260						
IGT	AC	HHE		159.2	164	68	S		100.30	47.87	48.28	0.00	-0.41	1.25S		0.825						

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2017-03-17 2056 16.90 41 55.63 20E24.52 9.85 0.09 0.74 1.82 1.69 2.43 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
 9 13 27.1 At1 176 6 0 7 4 8 3.00 0.01 L 3.00 0.06 D

17 MAR 2017, 20:56 SEQUENCE NO. 1, ID NO. 0
 ERROR ELLIPSE: <SERR AZ DIP>-< 1.97 266 67>-< 0.62 68 21>-< 0.32 160 6>

REGION= Ujmisht, 16 Km J të Kuksit, Rajoni Kuksit (Ujmisht, 16 Km S of Kuksi, Kuksi 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		27.1	174	102	P		22.59	5.69	5.35	0.00	0.34	0.00	0.000	1.00	13	2.03 D
PHP	AC	HHN		27.1	174	102	S		26.10	9.20	9.36	0.00	-0.16	0.86S	0.955			
PHP	AC	HHE		27.1	174	102		6	0.00-16.90	5.35	0.00		0.00		0.000	1.00		0.79 .07 1.85 L
BCI	AC	HHZ		56.4	331	94	P		27.26	10.36	10.34	0.00	0.02	1.04	0.375	1.00	19	2.43 D
BCI	AC	HHE		56.4	331	94		6	0.00-16.90	10.34	0.00		0.00		0.000	1.00		0.27 .31 1.69 L
									34.92	18.02	18.10	0.00	-0.08	1.04S	0.611			
TIR	AC	HHZ		78.7	216	93	P		31.12	14.22	14.17	0.00	0.05	1.04	0.250	1.00	20	2.49 D
TIR	AC	HHE		78.7	216	93		6	0.00-16.90	14.17	0.00		0.00		0.000	1.00		0.14 .21 1.68 L
									41.67	24.77	24.80	0.00	-0.03	1.04S	0.787			
FNA	AC	HHZ		151.1	147	68	P		43.29	26.39	26.25	0.00	0.14	0.95	0.296			
FNA	AC	HHE		151.1	147	68	S		62.73	45.83	45.94	0.00	-0.11	1.04S	0.721			

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2017-03-18 0727 16.61 40 27.77 20E37.76 14.92 0.11 0.61 1.16 2.00 2.53 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 22.3 At1 134 8 0 9 5 10 4.00 0.18 L 3.00 0.06 D

18 MAR 2017, 7:27 SEQUENCE NO. 1, ID NO. 0
 ERROR ELLIPSE: <SERR AZ DIP>-< 1.31 122 62>-< 0.56 294 27>-< 0.28 25 3>

REGION= Lubonje, 21 Km JP të Korcës, Rajoni Korcës (Lubonje, 21 Km SW of Korca, Korca Region, Albania)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC (TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T
KBN	AC	HHZ		22.3	36	117	P		21.73	5.12	4.90	0.00	0.22	0.66	0.125	1.00	24	2.59 D
KBN	AC	HHE		22.3	36	117		6	0.00-16.61	4.90	0.00		0.00		0.000	1.00		1.6 .21 2.16 L
									25.12	8.51	8.57	0.00	-0.06	1.04S	0.879			
LSK	AC	HHZ		34.9	185	104	P		23.57	6.96	6.86	0.00	0.10	1.04	0.234	1.00	21	2.53 D

LSK	AC	HHN	34.9	185	104		6	0.00-16.61	6.86	0.00		0.00	0.000	1.00			4.2	.23	2.67	L
						S		28.52 11.91 12.00	0.00	-0.09	1.04S	0.444								
FNA	AC	HHZ	73.0	60	91	P		29.96 13.35 13.22	0.00	0.13	1.04	0.275								
FNA	AC	HHN	73.0	60	91	S		39.66 23.05 23.13	0.00	-0.08	1.04S	0.629								
SRN	AC	HHZ	84.0	220	91	P		31.07 14.46 15.08	0.00	-0.42	0.00	0.000	1.00	17	2.42	D				
SRN	AC	HHN	84.0	220	91		6	0.00-16.61	15.08	0.00		0.00	0.000	1.00			0.18	.37	1.84	L
						S		42.95 26.34 26.39	0.00	-0.05	1.04S	0.509								
PHP	AC	HHZ	136.6	354	71	P		40.36 23.75 23.62	0.00	0.13	1.04	0.298								
PHP	AC	HHE	136.6	354	71		6	0.00-16.61	23.62	0.00		0.00	0.000	1.00			0.07	.74	1.81	L
						S		57.84 41.23 41.33	0.00	-0.10	1.04S	0.603								

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2017	03	21	1928 20.39	41 19.74	20E17.73	6.88	0.07	0.48	2.50	1.50	2.31	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
6	9	36.1	Atl	151	8	0	5	3	6	-	2.00	0.17 L	2.00 0.11 D

21 MAR 2017, 19:28 SEQUENCE NO. 1, ID NO. 0
 ERROR ELLIPSE: <SERR AZ DIP>-< 13.51 316 88>-< 0.48 9 0>-< 0.37 280 0>

REGION= Klos, Rajoni Burrelit (Klos, Burreli Region, Albania)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR	W-FMAG-T	AMP	PER	W-XMAG-T		
TIR	AC	HHZ		36.1	274	91	P		27.26	6.87	6.83	0.00	0.04	1.03		0.672	1.00	15	2.20	D				
TIR	AC	HHN		36.1	274	91		6	0.00-20.39	6.83	0.00			0.00		0.000	1.00				0.43	.11	1.66	L
							S		32.29 11.90 11.95	0.00	-0.05	1.03S	0.893											
PHP	AC	HHZ		41.3	17	91	P		28.26	7.87	7.73	0.00	0.14	0.87		0.540	1.00	19	2.42	D				
PHP	AC	HHN		41.3	17	91		6	0.00-20.39	7.73	0.00			0.00		0.000	1.00				0.18	.36	1.33	L
							S		33.85 13.46 13.53	0.00	-0.07	1.03S	0.893											
FNA	AC	HHZ		109.8	123	90	P		39.44	19.05	19.50	0.00	-0.45	0.00		0.000								
FNA	AC	HHN		109.8	123	90	S		54.49	34.10	34.13	0.00	-0.03	1.03S	0.999									

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2017	03	21	2235 51.40	40 48.01	19E58.99	7.83	0.21	0.73	2.22	1.06	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
14	21	28.9	Atl	194	10	0	12	6	14		3.00	0.04 L	4.00 0.26 D

21 MAR 2017, 22:35 SEQUENCE NO. 1, ID NO. 0
 ERROR ELLIPSE: <SERR AZ DIP>-< 2.26 344 78>-< 0.74 186 10>-< 0.41 96 4>

REGION= 6 Km JL të Selenicës, Rajoni Vlorës (6 Km SE of Selenica, 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
BPA1	AC	HHZ		28.9	253	95	P		57.10	5.70	5.61	0.00	0.09	1.00		0.187	1.00	15	2.16 D
BPA1	AC	HHN		28.9	253	95	S		61.08	9.68	9.82	0.00	-0.14	1.00S		0.302			
BPA2	AC	HHZ		31.7	256	94	P		57.47	6.07	6.10	0.00	-0.03	1.00		0.201	1.00	13	2.05 D
BPA2	AC	HHN		31.7	256	94	S		62.11	10.71	10.68	0.00	0.03	1.00S		0.307			
LSK	AC	HHZ		89.1	143	91	P		67.02	15.62	15.95	0.00	-0.33	1.00		0.134	1.00	22	2.58 D
LSK	AC	HHN		89.1	143	91		6	60.00	8.60	15.95	0.00		0.00		0.000	1.00		0.09 .81 1.57 L
							S		79.29	27.89	27.91	0.00	-0.02	1.00S		0.395			
SRN	AC	HHZ		102.2	179	91	P		69.46	18.06	18.21	0.00	-0.15	1.00		0.121	1.00	24	2.67 D
SRN	AC	HHN		102.2	179	91		6	60.00	8.60	18.21	0.00		0.00		0.000	1.00		0.02 .43 1.02 L
							S		83.56	32.16	31.87	0.00	0.29	1.00S		0.478			
FNA	AC	HHZ		118.2	90	90	P		72.47	21.07	20.98	0.00	0.09	1.00		0.333			
FNA	AC	HHE		118.2	90	90	S		88.11	36.71	36.72	0.00	0.00	1.00S		0.513			
IGT	AC	HHZ		143.9	168	68	P		77.07	25.67	25.24	0.00	0.43	0.98		0.290			
IGT	AC	HHN		143.9	168	68	S		95.30	43.90	44.17	0.00	-0.27	1.00S		0.733			
SCTE	AC	HHZ		151.5	239	68	P		80.67	29.27	26.44	0.00	0.83*	0.00		0.000			
SCTE	AC	HHE		151.5	239	68		6	60.00	8.60	26.44	0.00		0.00		0.000	1.00		0.01 .20 1.06 L
							S		96.28	44.88	46.27	0.00	-1.39*	0.00S		0.000			

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2017-03-22 0627 21.72 41 3.89 20E12.40 7.12 0.08 0.45 13.65 1.55 2.41 1.6

SOURCE

NSTA NPHS DMIN MODEL GAP ITR NFM NWR NWS NVR REMRKS-AVH N.XMG-XMMAD-T N.FMG-FMMAD-T L F X
 9 13 42.5 At1 157 9 0 7 4 8 - 2.00 0.00 L 2.00 0.06 D

22 MAR 2017, 6:27 SEQUENCE NO. 1, ID NO. 0
 ERROR ELLIPSE: <SERR AZ DIP>-< 13.65 302 88>-< 0.45 53 0>-< 0.23 143 0>

REGION= 10 Km J-L të Elbasanit, 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		42.5	318	91	P		29.77	8.05	7.94	0.00	0.11	1.30		0.559	1.00	20	2.46 D
TIR	AC	HHE		42.5	318	91	S		35.50	13.78	13.90	0.00	-0.11	1.30S		0.845			
TIR	AC	HHN		42.5	318	91		6	0.00	-21.72	7.94	0.00		0.00		0.000	1.00		0.29 .14 1.55 L
PHP	AC	HHZ		71.6	15	91	P		35.02	13.30	12.94	0.00	0.36	0.05		0.001	1.00	17	2.35 D
PHP	AC	HHN		71.6	15	91		6	0.00	-21.72	12.94	0.00		0.00		0.000	1.00		0.12 .11 1.55 L
							S		44.41	22.69	22.64	0.00	0.05	1.30S		0.639			
FNA	AC	HHZ		104.0	107	90	P		40.25	18.53	18.50	0.00	0.03	1.30		0.495			
FNA	AC	HHE		104.0	107	90	S		54.02	32.30	32.38	0.00	-0.07	1.30S		0.743			
LSK	AC	HHZ		106.9	161	90	P		41.05	19.33	18.99	0.00	0.34	0.12		0.008			
LSK	AC	HHN		106.9	161	90	S		54.98	33.26	33.23	0.00	0.03	1.30S		0.706			

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2017-03-24 1714 44.52 41 56.61 20E20.63 21.03 0.12 2.75 16.11 1.81 2.44 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
 6 9 29.9 At1 171 9 0 5 3 6 - 2.00 0.11 L 2.00 0.04 D

24 MAR 2017, 17:14 SEQUENCE NO. 1, ID NO. 0
 ERROR ELLIPSE: <SERR AZ DIP>-< 16.11 0 90>-< 2.75 246 0>-< 0.37 336 0>

REGION= 11 Km JL të Kuksit, Rajoni Kuksit (11 Km SE of Kuksi, Kuksi 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		29.9	164	90	P		51.02	6.50	6.33	0.00	0.17	0.99	0.834	1.00	17	2.40	D				
PHP	AC	HHN		29.9	164	90		6	0.00	-44.52	6.33	0.00		0.00	0.190	1.00				0.44	.23	1.70	L
							S		55.46	10.94	11.08	0.00	-0.14	1.00S	0.940								
BCI	AC	HHZ		52.3	335	90	P		54.52	10.00	9.90	0.00	0.10	1.00	0.378	1.00	17	2.47	D				
BCI	AC	HHN		52.3	335	90		6	60.00	15.48	9.90	0.00		0.00	0.000	1.00				0.49	.14	1.92	L
							S		61.72	17.20	17.32	0.00	-0.13	1.00S	0.661								
FNA	AC	HHZ		155.6	145	90	P		71.52	27.00	26.39	0.00	0.21	0.00	0.000								
FNA	AC	HHN		155.6	145	90		S	90.66	46.14	46.18	0.00	-0.04	1.00S	0.994								

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2017-03-24 1930 40.78 41 22.60 20E 7.46 15.59 0.25 0.75 1.53 1.86 2.39 1.9

SOURCE

NSTA NPHS DMIN MODEL GAP ITR NFM NWR NWS NVR REMRKS-AVH N.XMG-XMMAD-T N.FMG-FMMAD-T L F X
 8 12 21.9 At1 141 8 0 7 4 8 3.00 0.16 L 3.00 0.09 D

24 MAR 2017, 19:30 SEQUENCE NO. 1, ID NO. 0
 ERROR ELLIPSE: <SERR AZ DIP>-< 1.65 256 68>-< 0.75 162 1>-< 0.61 70 21>

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

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR	W-FMAG-T	AMP	PER	W-XMAG-T	
TIR	AC	HHZ		21.9	262	119	P		46.05	5.27	4.90	0.00	0.37	0.98	0.318	1.00	17	2.30	D				
TIR	AC	HHN		21.9	262	119		6	0.00	-40.78	4.90	0.00		0.00	0.000	1.00				2.0	.10	2.25	L
							S		49.09	8.31	8.57	0.00	-0.26	1.04S	0.680								
PHP	AC	HHZ		43.2	37	101	P		49.50	8.72	8.26	0.00	0.46	0.80	0.181	1.00	17	2.39	D				
PHP	AC	HHN		43.2	37	101		6	0.00	-40.78	8.26	0.00		0.00	0.000	1.00				0.38	.23	1.70	L
							S		55.06	14.28	14.45	0.00	-0.18	1.04S	0.837								
BCI	AC	HHZ		110.1	358	71	P		59.94	19.16	19.35	0.00	-0.19	1.04	0.317	1.00	27	2.84	D				

BCI	AC	HHN	110.1	358	71	6	60.00	19.22	19.35	0.00	0.00	0.000	1.00	0.12	.34	1.86	L
						S	74.71	33.93	33.86	0.00	0.07	1.04S	0.702				
FNA	AC	HHZ	124.8	121	71	P	61.47	20.69	21.70	0.00	-0.21	1.00	0.000				
FNA	AC	HHN	124.8	121	71	S	78.69	37.91	37.97	0.00	-0.07	1.04S	0.961				

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2017-03-25	1334	22.72	40	36.38	20E45.93	15.06	0.15	6.15	2.16	3.09	2.95	3.1

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	SOURCE
10	14	2.7	At1	153	8	0	8	3	10		3.00	0.15 L	4.00 0.09 D

25 MAR 2017, 13:34 SEQUENCE NO. 1, ID NO. 0
 ERROR ELLIPSE: <SERR AZ DIP>-< 6.52 103 19>-< 1.17 338 59>-< 0.90 202 23>

REGION= Korcë, Rajoni Korcës (Korca, Korca Region, Albania)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR-W-FMAG-T	AMP-PER-W-XMAG-T			
KBN	AC	HHZ		2.7	43	169	P		25.96	3.24	2.81	0.00	0.03	1.12		0.305	1.00	24	2.49 D			
KBN	AC	HHN		2.7	43	169		6	0.00-22.72	2.81	0.00			0.00		0.000	1.00		51 .28	3.49 L		
							S		27.26	4.54	4.92	0.00	-0.28	1.12S		0.779						
LSK	AC	HHZ		52.6	196	96	P		33.21	10.49	9.81	0.00	0.08	1.12		0.434	1.00	38	3.08 D			
LSK	AC	HHN		52.6	196	96		6	0.00-22.72	9.81	0.00			0.00		0.000	1.00		7.3 .20	3.09 L		
							S		39.21	16.49	17.17	0.00	-0.18	1.12S		0.515						
SRN	AC	HHZ		103.6	220	71	P		41.08	18.36	18.36	0.00	0.00	1.12		0.199	1.00	32	2.98 D			
SRN	AC	HHN		103.6	220	71	S		55.00	32.28	32.13	0.00	0.15	1.12S		0.832						
TIR	AC	HHZ		111.9	318	71	P		44.14	21.42	19.68	0.00	0.24	0.02		0.000						
PHP	AC	HHZ		122.8	348	71	P		44.38	21.66	21.42	0.00	0.14	1.12		0.440	1.00	29	2.91 D			
PHP	AC	HHN		122.8	348	71		6	0.00-22.72	21.42	0.00			0.00		0.000	1.00		1.2 .41	2.94 L		
							S		58.22	35.50	37.49	0.00	-0.29	0.00S		0.000						
BCI	AC	HHZ		204.0	344	57	P		56.47	33.75	34.27	0.00	-0.12	1.12		0.493						

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2017-03-27	0218	41.70	40	45.36	19E38.29	0.02	0.14	0.71	0.94	1.79	1.98	

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	SOURCE
11	15	3.3	At1	281	8	0	9	3	9	#	2.00	0.02 L	3.00 0.06 D

1 27 MAR 2017, 2:18 SEQUENCE NO. 1, ID NO. 0
 ERROR ELLIPSE: <SERR AZ DIP>-< 1.07 199 61>-< 0.81 0 27>-< 0.56 94 7>

REGION= 3 Km P të Marinzës, Rajoni Fierit (3 Km W of Marinza, Fieri Region, Albania)

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR	W-FMAG-T	AMP	PER	W-XMAG-T		
BPA2	AC	HHE		3.3	210	90	S		43.13	1.43	1.26	0.00	0.17	1.02S		0.579								
BPA2	AC	HHZ		3.3	210	90	P		42.27	0.57	0.72	0.00	-0.15	1.05		0.265	1.00	14		1.98	D			
BPA1	AC	HHE		3.9	157	90	S		43.15	1.45	1.50	0.00	-0.06	1.05S		0.750								
BPA1	AC	HHZ		3.9	157	90	P		42.38	0.68	0.86	0.00	-0.18	0.97		0.333	1.00	13		1.92	D			
FIER	AC	HHZ		7.4	235	90	P		43.26	1.56	1.62	0.00	-0.06	1.05		0.540								
VLO	AC	HHZ		34.1	201	61	P		48.91	7.21	7.02	0.00	0.19	0.94		0.171	1.00	21		2.47	D			
VLO	AC	HHN		34.1	201	61		6	0.00	-41.70	7.02	0.00		0.00		0.000	1.00				0.63	.28	1.80	L
							S		53.78	12.08	12.28	0.00	-0.21	0.83S		0.626								
VLO	AC	HHE		34.1	201	61		6	0.00	-41.70	7.02	0.00		0.00		0.000	1.00				0.59	.34	1.77	L
SRN	AC	HHZ		102.0	162	51	P		60.61	18.91	18.79	0.00	0.12	1.05		0.349								
IGT	AC	HHZ		148.2	156	51	P		68.52	26.82	26.72	0.00	0.10	1.05		0.383								

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
2017-03-27 0705 8.22 41 52.20 20E10.30 0.00 0.05 0.50 1.32 1.73 2.91 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
6 9 30.4 At1 148 6 0 6 3 6 # 1.00 0.00 L 1.00 0.00 D

27 MAR 2017, 7:05 SEQUENCE NO. 1, ID NO. 0
ERROR ELLIPSE: <SERR AZ DIP>-< 1.34 91 80>-< 0.51 257 9>-< 0.30 346 2>

REGION= Arrëmollë, Rajoni Dibër (Arrëmollë, 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		30.4	132	61	P		14.47	6.25	6.30	0.00	-0.05	1.00		0.497	1.00	36		2.91	D			
PHP	AC	HHN		30.4	132	61	S		19.30	11.08	11.02	0.00	0.05	1.00S		0.835								
BCI	AC	HHZ		55.8	352	51	P		19.02	10.80	10.85	0.00	-0.05	1.00		0.497								
BCI	AC	HHN		55.8	352	51		6	0.00	-8.22	10.85	0.00		0.00		0.000	1.00				0.31	.15	1.73	L
							S		27.27	19.05	18.99	0.00	0.06	1.00S		0.835								
TIR	AC	HHZ		63.4	204	51	P		20.42	12.20	12.15	0.00	0.05	1.00		0.497								
TIR	AC	HHN		63.4	204	51	S		29.48	21.26	21.26	0.00	0.00	1.00S		0.835								

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
2017-03-27 1456 15.74 40 9.57 20E18.62 1.02 0.14 1.23 1.39 2.07 2.65 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 24.6 At1 231 10 0 5 3 6 - 2.00 0.18 L 2.00 0.01 D

27 MAR 2017, 14:56 SEQUENCE NO. 1, ID NO. 0

ERROR ELLIPSE: <SERR AZ DIP>-< 16.40 9 88>-< 1.23 152 1>-< 0.45 242 1>

REGION= Gjirokastrë, Rajoni Gjirokastrës (Gjirokastrë, Gjirokastra 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	HHN		24.6	92	93		6	0.00	-15.74	4.86	0.00		0.00		0.000	1.00			2.2	.40	2.25	L
							S		24.38	8.64	8.50	0.00	0.14	1.21S		0.879							
LSK	AC	HHZ		24.6	92	93	P		20.55	4.81	4.86	0.00	-0.05	1.21		0.630	1.00	27	2.64	D			
SRN	AC	HHN		40.8	221	91		6	0.00	-15.74	7.64	0.00		0.00		0.000	1.00			0.66	.54	1.89	L
							S		29.41	13.67	13.37	0.00	0.30	1.16S		0.867							
SRN	AC	HHZ		40.8	221	91	P		23.12	7.38	7.64	0.00	-0.26	1.20		0.622	1.00	25	2.65	D			
IGT	AC	HHN		69.7	178	90	S		37.70	21.96	22.07	0.00	-0.11	1.21S		0.999							
IGT	AC	HHZ		69.7	178	90	P		29.00	13.26	12.61	0.00	0.45	0.02		0.000							

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG	
2017	03	27	1457	48.69	40 13.50	20E17.57	3.30	0.16	1.92	25.51	1.87	2.37	1.9

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	27.3	At1	253	9	0	5	3	6	-	2.00	0.58	L	2.00	0.06	D

27 MAR 2017, 14:57 SEQUENCE NO. 1, ID NO. 0

ERROR ELLIPSE: <SERR AZ DIP>-< 29.55 19 59>-< 2.42 150 20>-< 0.84 248 21>

REGION= Gjirokastrë, Rajoni Gjirokastrës (Gjirokastrë, Gjirokastra 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		27.3	107	93	P		54.42	5.73	5.51	0.00	0.12	1.02		0.653	1.00	18	2.31	D			
LSK	AC	HHN		27.3	107	93		6	0.00	-48.69	5.51	0.00		0.00		0.000	1.00			3.2	.43	2.44	L
							S		58.33	9.64	9.64	0.00	0.00	1.02S		0.886							
SRN	AC	HHZ		45.7	214	62	P		56.79	8.10	8.73	0.00	-0.13	0.92		0.573	1.00	19	2.42	D			
SRN	AC	HHN		45.7	214	62		6	60.00	11.31	8.73	0.00		0.00		0.000	1.00			0.15	.25	1.29	L
							S		64.43	15.74	15.28	0.00	0.26	1.02S		0.886							
IGT	AC	HHZ		77.1	177	62	P		64.36	15.67	14.11	0.00	0.16	0.00		0.000							
IGT	AC	HHN		77.1	177	62	S		73.19	24.50	24.69	0.00	-0.19	1.02S		0.999							

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG	
2017	03	30	0413	13.19	40 45.63	19E47.32	6.01	0.02	3.94	12.67		1.31	1.3

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L	F	X		
	6	9	11.9	At1	353	9	0	5	3	6	-	0.00	0.00	L	2.00	0.01	D

30 MAR 2017, 4:13 SEQUENCE NO. 1, ID NO. 0
 ERROR ELLIPSE: <SERR AZ DIP>-< 12.67 0 90>-< 3.94 166 0>-< 0.90 76 0>

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

STA	NET	COM	CR	DIST	AZM	AN	P/S	WT	SEC	(TOBS	-TCAL	-DLY	=RES)	WT	SR	INFO	CAL	DUR	-W-FMAG-T	AMP	-PER-W-XMAG-T
BPA1	AC	HHE		11.9	250	90	S	17.86	4.67	4.69	0.00	-0.02	1.19S		0.876						
BPA1	AC	HHZ		11.9	250	90	P	15.90	2.71	2.68	0.00	0.03	1.19		0.585	1.00	6	1.30	D		
BPA2	AC	HHE		14.7	257	90	S	18.73	5.54	5.53	0.00	0.01	1.19S		0.538						
BPA2	AC	HHZ		14.7	257	90	P	16.13	2.94	3.16	0.00	-0.22	0.05		0.001	1.00	6	1.32	D		
FIER	AC	HHE		19.3	256	90	S	20.10	6.91	6.91	0.00	0.00	1.19S		0.414						
FIER	AC	HHZ		19.3	256	90	P	17.10	3.91	3.95	0.00	-0.04	1.19		0.583						

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

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG	SOURCE
2017-03-06			1847	25.61	39 55.36	20E35.90	13.93	0.40	1.60	0.43	2.70	2.7	
NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L F X
8	12	25.2	At1	175	9	0	8	4	8	-	0.00	0.00	L 3.00 0.05 D

6 MAR 2017, 18:47 SEQUENCE NO. 1, ID NO. 0
 ERROR ELLIPSE: <SERR AZ DIP>-< 35.43 0 90>-< 1.60 306 0>-< 0.70 35 0>

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		25.2	0	90	P		30.26	4.65	5.59	0.00	-0.94*	0.26		0.045	1.00	23	2.67 D
LSK	AC	HHE		25.2	0	90	S		35.10	9.49	9.78	0.00	-0.29	1.12S		0.502			
IGT	AC	HHZ		49.1	209	90	P		34.43	8.82	9.41	0.00	-0.59*	1.02		0.296	1.00	25	2.82 D
IGT	AC	HHN		49.1	209	90	S		42.31	16.70	16.47	0.00	0.23	1.12S		0.567			
SRN	AC	HHZ		51.3	265	90	P		34.93	9.32	9.76	0.00	-0.44	1.12		0.770	1.00	22	2.72 D
SRN	AC	HHN		51.3	265	90	S		43.15	17.54	17.08	0.00	0.46	1.12S		0.934			
FNA	AC	HHZ		116.4	34	90	P		46.18	20.57	20.13	0.00	0.44	1.12		0.327			
FNA	AC	HHN		116.4	34	90	S		60.96	35.35	35.23	0.00	0.12	1.12S		0.516			

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2017	03	08	2328	25.76	39 53.52	20E39.18	2.74	0.08	0.76	1.89	2.41	2.70 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
10	14	48.7	At1	184	7	0	8	4	9		2.00 0.19 L	2.00 0.36 D	

8 MAR 2017, 23:28 SEQUENCE NO. 1, ID NO. 0
 ERROR ELLIPSE: <SERR AZ DIP>-< 1.89 101 88>-< 0.77 314 1>-< 0.30 43 0>

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		48.7	215	62	P		34.27	8.51	9.28	0.00	-0.07	1.00		0.000			
IGT	AC	HHE		48.7	215	62	S		42.01	16.25	16.24	0.00	0.01	1.07S		0.970			
SRN	AC	HHZ		55.8	269	62	P		36.15	10.39	10.51	0.00	-0.12	1.04		0.398	1.00	17	2.34 D
SRN	AC	HHE		55.8	269	62	S	6	0.00	-25.76	10.51	0.00		0.00		0.000	1.00		0.95 .46 2.22 L
									44.15	18.39	18.39	0.00	0.00	1.07S		0.665			
FNA	AC	HHZ		116.7	31	62	P		46.66	20.90	20.97	0.00	-0.07	1.07		0.489			
FNA	AC	HHE		116.7	31	62	S		62.46	36.70	36.70	0.00	0.00	1.07S		0.661			
SCTE	AC	HHZ		187.7	278	55	P		58.55	32.79	32.70	0.00	0.09	1.07		0.238			
PHP	AC	HHZ		199.9	355	55	P		60.51	34.75	34.63	0.00	0.12	1.04		0.223	1.00	34	3.05 D
PHP	AC	HHE		199.9	355	55	S		86.17	60.41	60.60	0.00	-0.19	0.59S		0.352			
PHP	AC	HHN		199.9	355	55	S	6	60.00	34.24	34.63	0.00		0.00		0.000	1.00		0.171.00 2.59 L

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2017	03	09	0153	25.57	42 4.59	20E39.55	6.10	0.15	0.81	2.48	1.88	2.52 1.9

SOURCE

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L F X
11	16	47.1	At1	212	21	0	10	4	11	#	3.00 0.03 L	3.00 0.30 D	

9 MAR 2017, 1:53 SEQUENCE NO. 1, ID NO. 0
 ERROR ELLIPSE: <SERR AZ DIP>-< 2.60 276 71>-< 0.83 52 13>-< 0.37 145 12>

REGION= 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		47.1	203	90	P		34.02	8.45	8.73	0.00	-0.28	1.05		0.402	1.00	15	2.22	D			
PHP	AC	HHE		47.1	203	90		6	0.00	-25.57	8.73	0.00		0.00		0.000	1.00			0.52	.18	1.85	L
							S		39.79	14.22	15.28	0.00	-1.06*	0.00S		0.000							
BCI	AC	HHZ		58.5	304	90	P		36.25	10.68	10.68	0.00	0.00	1.11		0.392	1.00	21	2.52	D			
BCI	AC	HHE		58.5	304	90		6	0.00	-25.57	10.68	0.00		0.00		0.000	1.00			2.3	.25	2.65	L
							S		44.18	18.61	18.69	0.00	-0.08	1.11S		0.706							
TIR	AC	HHZ		104.5	220	90	P		44.50	18.93	18.58	0.00	0.35	0.82		0.164	1.00	29	2.83	D			
TIR	AC	HHN		104.5	220	90		6	0.00	-25.57	18.58	0.00		0.00		0.000	1.00			0.14	.37	1.88	L
							S		58.02	32.45	32.51	0.00	-0.06	1.11S		0.703							
FNA	AC	HHZ		156.0	156	68	P		52.73	27.16	27.28	0.00	-0.12	1.11		0.382							
FNA	AC	HHN		156.0	156	68	S		73.31	47.74	47.74	0.00	0.00	1.11S		0.412							
LSK	AC	HHZ		214.0	182	68	P		62.19	36.62	36.53	0.00	0.09	1.11		0.148							
LSK	AC	HHN		214.0	182	68	S		89.44	63.87	63.93	0.00	-0.06	1.11S		0.622							
IGT	AC	HHZ		284.0	186	50	P		71.92	46.35	45.89	0.00	0.46	0.36		0.064							

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2017-03-11 1619 22.58 39 20.02 20E24.68 20.15 0.30 1.35 28.24 2.54 2.82 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
14	20	23.1	At1	170	7	0	11	6	12	-	3.00	0.09	L 3.00 0.09 D

11 MAR 2017, 16:19 SEQUENCE NO. 1, ID NO. 0
 ERROR ELLIPSE: <SERR AZ DIP>-< 28.24 0 90>-< 1.35 258 0>-< 0.56 348 0>

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		23.1	343	90	P		28.28	5.70	5.25	0.00	0.45	1.05		0.173							
IGT	AC	HHN		23.1	343	90	S		31.65	9.07	9.19	0.00	-0.12	1.08S		0.309							
LKD2	AC	HHZ		64.1	160	90	P		34.62	12.04	11.79	0.00	0.25	1.08		0.348							
LKD2	AC	HHE		64.1	160	90	S		42.97	20.39	20.63	0.00	-0.24	1.08S		0.605							
SRN	AC	HHZ		70.2	330	90	P		34.79	12.21	12.76	0.00	-0.35	0.91		0.342	1.00	23	2.73	D			
SRN	AC	HHN		70.2	330	90		6	0.00	-22.58	12.76	0.00		0.00		0.246	1.00			0.29	.25	1.94	L
							S		45.06	22.48	22.33	0.00	0.15	1.08S		0.831							
LSK	AC	HHZ		92.0	9	90	P		38.98	16.40	16.25	0.00	0.15	1.08		0.161	1.00	25	2.82	D			
LSK	AC	HHE		92.0	9	90	S		50.61	28.03	28.44	0.00	-0.41	1.07S		0.244							
LSK	AC	HHN		92.0	9	90		6	0.00	-22.58	16.25	0.00		0.00		0.000	1.00			0.94	.41	2.63	L

KBN AC HHZ 146.8 12 90 P 49.07 26.49 24.98 0.00 0.51* 0.00 0.000 1.00 27 2.93 D
KBN AC HHE 146.8 12 90 S 65.52 42.94 43.72 0.00 -0.78* 0.39S 0.036
KBN AC HHN 146.8 12 90 6 60.00 37.42 24.98 0.00 0.00 0.000 1.00 0.32 .56 2.54 L
FNA AC HHZ 180.9 26 90 P 52.98 30.40 30.42 0.00 -0.02 1.08 0.180
FNA AC HHN 180.9 26 90 S 76.09 53.51 53.24 0.00 0.27 1.08S 0.518

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
2017-03-13 1956 30.89 41 47.19 20E52.48 9.53 0.14 3.63 3.44 2.33 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
6 9 37.8 At1 203 10 0 5 2 6 - 1.00 0.00 L 2.00 0.11 D

13 MAR 2017, 19:56 SEQUENCE NO. 1, ID NO. 0
ERROR ELLIPSE: <SERR AZ DIP>-< 30.65 241 83>-< 1.68 57 6>-< 1.09 146 0>

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 37.8 253 97 P 38.54 7.65 7.17 0.00 0.48 1.00 0.623 1.00 25 2.64 D
PHP AC HHN 37.8 253 97 S 43.22 12.33 12.55 0.00 -0.22 1.00S 0.876
BCI AC HHZ 92.8 315 92 P 47.82 16.93 16.59 0.00 0.34 1.00 0.623 1.00 30 2.85 D
BCI AC HHN 92.8 315 92 6 0.00-30.89 16.59 0.00 0.00 0.000 1.00 0.48 .57 2.33 L
S 59.58 28.69 29.03 0.00 -0.34 1.00S 0.876
FNA AC HHZ 119.5 158 91 P 51.82 20.93 21.18 0.00 -0.25 1.00 0.999
FNA AC HHN 119.5 158 91 S 61.09 30.20 37.07 0.00 -0.47 0.00S 0.000

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
2017-03-14 2351 29.07 39 44.51 20E47.00 7.31 0.32 0.89 1.55 3.18 3.03 3.2
SOURCE
NSTA NPHS DMIN MODEL GAP ITR NFM NWR NWS NVR REMRKS-AVH N.XMG-XMMAD-T N.FMG-FMMAD-T L F X
25 35 45.4 At1 163 14 0 20 9 23 8.00 0.25 L 3.00 0.14 D

14 MAR 2017, 23:51 SEQUENCE NO. 1, ID NO. 0
ERROR ELLIPSE: <SERR AZ DIP>-< 1.57 143 80>-< 0.89 279 6>-< 0.47 10 6>

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 45.4 240 92 P 37.20 8.13 8.43 0.00 -0.30 1.04 0.159
IGT AC HHN 45.4 240 92 S 43.53 14.46 14.75 0.00 -0.29 1.04S 0.355
LSK AC HHZ 48.0 341 91 P 38.56 9.49 8.88 0.00 0.21 0.82 0.072 1.00 39 3.03 D

LSK	AC	HHN	48.0	341	91	6	0.00-29.07	8.88	0.00	0.00	0.000	1.00				26	.50	3.56	L		
						S	44.31	15.24	15.54	0.00	-0.30	1.04S	0.235								
SRN	AC	HHZ	68.8	284	91	P	40.06	10.99	12.45	0.00	-0.46	0.00	0.000	1.00	29	2.80	D				
SRN	AC	HHN	68.8	284	91	6	0.00-29.07	12.45	0.00	0.00	0.000	1.00				9.2	.60	3.40	L		
						S	49.57	20.50	21.79	0.00	-0.59*	0.00S	0.000								
KBN	AC	HHZ	97.9	0	90	P	46.52	17.45	17.48	0.00	-0.03	1.04	0.137								
KBN	AC	HHE	97.9	0	90	6	0.00-29.07	17.48	0.00	0.00	0.000	1.00				1.4	.75	2.83	L		
						S	59.69	30.62	30.59	0.00	0.03	1.04S	0.225								
LKD2	AC	HHZ	106.3	186	90	P	48.04	18.97	18.90	0.00	0.07	1.04	0.267								
LKD2	AC	HHN	106.3	186	90	S	62.48	33.41	33.08	0.00	0.33	1.04S	0.442								
FNA	AC	HHZ	126.3	23	90	P	52.05	22.98	22.32	0.00	0.66*	0.72	0.103								
FNA	AC	HHE	126.3	23	90	S	67.89	38.82	39.06	0.00	-0.24	1.04S	0.358								
VLO	AC	HHZ	136.3	307	90	P	54.33	25.26	24.04	0.00	1.22*	0.00	0.000	1.00	42	3.17	D				
VLO	AC	HHN	136.3	307	90	6	60.00	30.93	24.04	0.00	0.00	0.00	0.000	1.00		4.3	.54	3.59	L		
						S	71.51	42.44	42.07	0.00	0.37	1.04S	0.334								
BPA1	AC	HHZ	145.2	320	68	P	54.68	25.61	25.47	0.00	0.14	1.04	0.066								
BPA1	AC	HHN	145.2	320	68	S	74.07	45.00	44.57	0.00	0.43	1.03S	0.214								
BPA2	AC	HHZ	147.9	319	68	P	55.32	26.25	25.90	0.00	0.35	1.04	0.067								
TIR	AC	HHZ	194.5	337	68	P	61.89	32.82	33.34	0.00	-0.52*	0.96	0.054								
TIR	AC	HHN	194.5	337	68	6	60.00	30.93	33.34	0.00	0.00	0.00	0.000	1.00		0.38	.83	2.91	L		
						S	87.38	58.31	58.35	0.00	-0.04	1.04S	0.166								
SCTE	AC	HHZ	201.4	282	68	P	63.13	34.06	34.44	0.00	-0.38	1.04	0.110								
SCTE	AC	HHE	201.4	282	68	6	60.00	30.93	34.44	0.00	0.00	0.00	0.000	1.00		0.50	.43	3.06	L		
PHP	AC	HHZ	217.7	353	55	P	66.03	36.96	36.95	0.00	0.01	1.04	0.139								
PHP	AC	HHN	217.7	353	55	6	60.00	30.93	36.95	0.00	0.00	0.00	0.000	1.00		0.53	.74	3.18	L		
						S	93.72	64.65	64.66	0.00	-0.01	1.04S	0.367								
BCI	AC	HHZ	297.6	349	50	P	76.05	46.98	47.56	0.00	-0.58*	0.88	0.119								
BCI	AC	HHE	297.6	349	50	6	60.00	30.93	47.56	0.00	0.00	0.00	0.000	1.00		0.24	.60	3.18	L		

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
2017-03-15 0016 31.76 39 45.87 20E42.04 1.84 0.18 0.51 1.19 2.49 2.52 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
14 20 41.0 At1 156 8 0 12 6 14 3.00 0.00 L 3.00 0.02 D

15 MAR 2017, 0:16 SEQUENCE NO. 1, ID NO. 0
ERROR ELLIPSE: <SERR AZ DIP>-< 1.21 108 78>-< 0.52 288 11>-< 0.27 198 0>

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		41.0	232	51	P		39.60	7.84	8.06	0.00	-0.22	1.25		0.322						
IGT	AC	HHN		41.0	232	51	S		45.78	14.02	14.10	0.00	-0.09	1.25S		0.392						

LSK	AC	HHZ	43.7	349	51	P	40.82	9.06	8.51	0.00	0.45	0.30	0.015	1.00	21	2.50	D				
LSK	AC	HHE	43.7	349	51	6	0.00-31.76	8.51	0.00		0.00	0.00	0.000	1.00				2.5	.62	2.49	L
						S	46.74	14.98	14.89	0.00	0.09	1.25S	0.294								
SRN	AC	HHZ	61.3	283	51	P	42.63	10.87	11.54	0.00	-0.47	1.03	0.000	1.00	21	2.52	D				
SRN	AC	HHE	61.3	283	51	6	0.00-31.76	11.54	0.00		0.00	0.00	0.000	1.00				1.5	.43	2.49	L
						S	51.91	20.15	20.19	0.00	-0.05	1.25S	0.546								
KBN	AC	HHZ	95.7	4	51	P	49.40	17.64	17.45	0.00	0.19	1.25	0.247	1.00	25	2.70	D				
KBN	AC	HHE	95.7	4	51	6	60.00	28.24	17.45	0.00		0.00	0.000	1.00				0.16	.69	1.87	L
						S	62.41	30.65	30.54	0.00	0.11	1.25S	0.312								
LKD2	AC	HHZ	108.4	182	51	P	51.47	19.71	19.63	0.00	0.08	1.25	0.334								
LKD2	AC	HHN	108.4	182	51	S	66.25	34.49	34.35	0.00	0.14	1.25S	0.694								
FNA	AC	HHZ	127.0	26	51	P	54.35	22.59	22.83	0.00	-0.24	1.25	0.268								
FNA	AC	HHE	127.0	26	51	S	71.35	39.59	39.95	0.00	-0.36	1.09S	0.378								
VLO	AC	HHZ	129.1	308	51	P	55.60	23.84	23.19	0.00	0.65*	0.05	0.000								
PHP	AC	HHZ	214.3	355	46	P	68.96	37.20	37.05	0.00	0.15	1.25	0.190								

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2017-03-15 0114 10.40 39 43.54 20E45.99 12.72 0.24 0.64 1.07 3.02 2.79 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
 21 30 43.2 At1 163 9 0 18 9 21 5.00 0.15 L 3.00 0.08 D

15 MAR 2017, 1:14 SEQUENCE NO. 1, ID NO. 0
 ERROR ELLIPSE: <SERR AZ DIP>-< 1.18 260 65>-< 0.69 105 22>-< 0.39 11 9>

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		43.2	241	101	P		18.51	8.11	8.17	0.00	-0.06	1.05		0.176							
IGT	AC	HHE		43.2	241	101	S		24.88	14.48	14.30	0.00	0.18	1.05S		0.356							
LSK	AC	HHZ		49.2	344	99	P		19.78	9.38	9.18	0.00	0.20	1.05		0.223	1.00	28	2.79	D			
LSK	AC	HHE		49.2	344	99	6		0.00-10.40	9.18	0.00		0.00	0.00	1.00				14	.72	3.30	L	
							S		26.53	16.13	16.06	0.00	0.07	1.05S		0.374							
SRN	AC	HHZ		67.8	285	96	P		21.31	10.91	12.34	0.00	-0.43	1.05		0.000	1.00	25	2.71	D			
SRN	AC	HHN		67.8	285	96	6		0.00-10.40	12.34	0.00		0.00	0.00	1.00				4.9	.23	3.12	L	
							S		31.57	21.17	21.60	0.00	-0.43	1.01S		0.341							
KBN	AC	HHZ		99.7	1	78	P		27.75	17.35	17.76	0.00	-0.41	1.02		0.137	1.00	35	3.02	D			
KBN	AC	HHN		99.7	1	78	6		0.00-10.40	17.76	0.00		0.00	0.00	1.00				1.1	.83	2.75	L	
							S		41.61	31.21	31.08	0.00	0.13	1.05S		0.189							
LKD2	AC	HHZ		104.4	186	78	P		29.14	18.74	18.54	0.00	0.20	1.05		0.270							
LKD2	AC	HHE		104.4	186	78	S		42.56	32.16	32.44	0.00	-0.29	1.05S		0.469							
FNA	AC	HHZ		128.5	23	68	P		32.79	22.39	22.46	0.00	-0.07	1.05		0.216							
FNA	AC	HHE		128.5	23	68	S		48.92	38.52	39.31	0.00	-0.49	0.25S		0.018							

BPA1	AC	HHZ	145.6	320	68	P	36.62	26.22	25.19	0.00	0.03	0.00	0.000								
BPA1	AC	HHE	145.6	320	68	S	54.50	44.10	44.08	0.00	0.02	1.05S	0.286								
BPA2	AC	HHZ	148.3	320	68	P	36.28	25.88	25.61	0.00	0.27	1.05	0.070								
TIR	AC	HHZ	195.6	338	68	P	45.17	34.77	33.17	0.00	0.60*	0.00	0.000								
TIR	AC	HHN	195.6	338	68		6	60.00	49.60	33.17	0.00		0.00	0.000	1.00			0.34	.51	2.87	L
						S		68.11	57.71	58.05	0.00	-0.34	1.05S	0.180							
SCTE	AC	HHZ	200.4	282	68	P	44.68	34.28	33.92	0.00	0.36	1.04	0.127								
PHP	AC	HHZ	219.3	353	50	P	47.17	36.77	36.60	0.00	0.17	1.05	0.114								
PHP	AC	HHN	219.3	353	50		6	60.00	49.60	36.60	0.00		0.00	0.000	1.00			0.36	.93	3.02	L
						S		74.58	64.18	64.05	0.00	0.13	1.05S	0.333							
BCI	AC	HHZ	299.1	349	50	P	57.39	46.99	47.16	0.00	-0.17	1.05	0.110								

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
2017-03-15 0122 34.02 39 43.72 20E45.54 12.53 0.20 0.55 1.08 2.99 2.82 3.0

SOURCE
NSTA NPBS DMIN MODEL GAP ITR NFM NWR NWS NVR REMRKS-AVH N.XMG-XMMAD-T N.FMG-FMMAD-T L F X
19 27 42.9 At1 161 9 0 15 7 18 5.00 0.11 L 4.00 0.05 D

15 MAR 2017, 1:22 SEQUENCE NO. 1, ID NO. 0
ERROR ELLIPSE: <SERR AZ DIP>-< 1.21 270 63>-< 0.57 114 24>-< 0.33 19 9>

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		42.9	240	101	P	42.04	8.02	8.10	0.00	-0.08	1.10	0.176								
IGT	AC	HHN		42.9	240	101	S	48.25	14.23	14.17	0.00	0.06	1.10S	0.329								
LSK	AC	HHZ		48.7	344	99	P	43.33	9.31	9.09	0.00	0.22	1.10	0.220	1.00	29	2.81	D				
LSK	AC	HHN		48.7	344	99		6	0.00-34.02	9.09	0.00		0.00	0.000	1.00				8.6	.37	3.10	L
							S		50.02	16.00	15.91	0.00	0.09	1.10S	0.370							
SRN	AC	HHZ		67.1	285	96	P	44.81	10.79	12.22	0.00	-0.43	0.00	0.000	1.00	26	2.74	D				
SRN	AC	HHN		67.1	285	96		6	0.00-34.02	12.22	0.00		0.00	0.000	1.00				3.7	.28	2.99	L
							S		55.15	21.13	21.38	0.00	-0.26	1.10S	0.420							
KBN	AC	HHZ		99.4	1	78	P	51.48	17.46	17.71	0.00	-0.25	1.10	0.125	1.00	28	2.83	D				
KBN	AC	HHN		99.4	1	78		6	60.00	25.98	17.71	0.00		0.00	0.000	1.00			1.0	.89	2.70	L
							S		65.40	31.38	30.99	0.00	0.39	1.02S	0.156							
LKD2	AC	HHZ		104.7	185	78	P	52.70	18.68	18.60	0.00	0.08	1.10	0.288								
LKD2	AC	HHE		104.7	185	78	S	66.67	32.65	32.55	0.00	0.10	1.10S	0.491								
FNA	AC	HHZ		128.4	24	68	P	56.27	22.25	22.46	0.00	-0.21	1.10	0.183								
FNA	AC	HHE		128.4	24	68	S	73.10	39.08	39.31	0.00	-0.23	1.10S	0.270								
VLO	AC	HHZ		135.5	308	68	P	58.92	24.90	23.59	0.00	0.51*	0.00	0.000	1.00	32	2.97	D				
VLO	AC	HHN		135.5	308	68		6	60.00	25.98	23.59	0.00	-0.85*	0.00S	0.000							
VLO	AC	HHE		135.5	308	68		6	60.00	25.98	23.59	0.00		0.00	0.000	1.00			3.5	.50	3.51	L
BPA2	AC	HHZ		147.6	320	68	P	60.06	26.04	25.52	0.00	0.52*	0.72	0.054								

SCTE	AC	HHZ	199.7	282	68	P	67.79	33.77	33.83	0.00	-0.06	1.10	0.209						
PHP	AC	HHZ	218.9	354	50	P	70.48	36.46	36.57	0.00	-0.11	1.10	0.147						
PHP	AC	HHN	218.9	354	50		60.00	25.98	36.57	0.00		0.00	0.000	1.00		0.30	.56	2.94	L
						S	98.13	64.11	64.00	0.00	0.11	1.10S	0.554						

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2017-03-15	1624	0.05	39	57.72	21E30.11	7.20	0.10	1.57	0.60		3.03	3.0

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	79.8	At1	251	9	0	8	4	10		0.00	0.00	L 5.00 0.04 D

15 MAR 2017, 16:23 SEQUENCE NO. 1, ID NO. 0
 ERROR ELLIPSE: <SERR AZ DIP>-< 3.93 127 66>-< 0.83 306 23>-< 0.47 217 0>

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		79.8	286	62	P		14.44	14.39	14.51	0.00	-0.12	1.00		0.351	1.00	43	3.14 D
LSK	AC	HHN		79.8	286	62	S		25.41	25.36	25.39	0.00	-0.03	1.00S		0.406			
FNA	AC	HHZ		91.6	354	62	P		16.44	16.39	16.52	0.00	-0.13	1.00		0.396	1.00	37	3.03 D
FNA	AC	HHN		91.6	354	62	S		28.98	28.93	28.91	0.00	0.02	1.00S		0.797			
KBN	AC	HHZ		95.3	321	62	P		17.37	17.32	17.17	0.00	0.15	1.00		0.397	1.00	37	3.03 D
KBN	AC	HHN		95.3	321	62	S		30.17	30.12	30.05	0.00	0.07	1.00S		0.450			
IGT	AC	HHZ		111.2	245	62	P		20.07	20.02	19.90	0.00	0.12	1.00		0.649	1.00	42	3.15 D
IGT	AC	HHE		111.2	245	62	S		35.65	35.60	34.83	0.00	0.77*	0.00S		0.000			
SRN	AC	HHZ		128.7	267	62	P		22.31	22.26	22.90	0.00	-0.64*	0.00		0.000	1.00	34	2.99 D
SRN	AC	HHN		128.7	267	62	S		40.07	40.02	40.08	0.00	-0.06	1.00S		0.551			

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2017-03-16	0300	57.71	39	44.89	20E41.60	20.16	0.59	1.73	2.43		3.32	3.3

NSTA	NPHS	DMIN	MODEL	GAP	ITR	NFM	NWR	NWS	NVR	REMRKS-AVH	N.XMG-XMMAD-T	N.FMG-FMMAD-T	L F X
20	30	39.4	At1	229	21	0	18	10	20	#	0.00	0.00	L 7.00 0.19 D

16 MAR 2017, 3:00 SEQUENCE NO. 1, ID NO. 0
 ERROR ELLIPSE: <SERR AZ DIP>-< 2.62 268 68>-< 1.82 123 18>-< 0.99 28 11>

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		39.4	233	90	P		65.24	7.53	7.85	0.00	-0.32	1.14		0.337			

IGT	AC	HHN	39.4	233	90	S	71.55	13.84	13.74	0.00	0.10	1.14S	0.472						
LSK	AC	HHZ	45.3	350	90	P	66.43	8.72	8.80	0.00	-0.08	1.14	0.175	1.00	38	3.13	D		
LSK	AC	HHN	45.3	350	90	S	73.63	15.92	15.40	0.00	0.52*	1.14S	0.210						
SRN	AC	HHZ	61.1	285	90	P	68.05	10.34	11.31	0.00	-0.97*	1.05	0.100	1.00	28	2.89	D		
SRN	AC	HHN	61.1	285	90	S	78.12	20.41	19.79	0.00	0.62*	1.14S	0.302						
KBN	AC	HHZ	97.5	4	90	P	74.48	16.77	17.12	0.00	-0.35	1.14	0.265	1.00	45	3.32	D		
KBN	AC	HHE	97.5	4	90	S	86.93	29.22	29.96	0.00	-0.74*	1.14S	0.312						
VLO	AC	HHZ	129.7	309	90	P	82.12	24.41	22.26	0.00	0.15*	0.00	0.000	1.00	44	3.33	D		
VLO	AC	HHE	129.7	309	90	S	96.02	38.31	38.96	0.00	-0.65*	1.14S	0.242						
BPA1	AC	HHZ	139.7	322	90	P	83.79	26.08	23.85	0.00	0.23*	0.00	0.000						
BPA1	AC	HHN	139.7	322	90	S	98.83	41.12	41.74	0.00	-0.62*	1.14S	0.205						
BPA2	AC	HHZ	142.3	321	90	P	83.57	25.86	24.27	0.00	1.59*	0.29	0.006						
BPA2	AC	HHN	142.3	321	90	S	100.80	43.09	42.47	0.00	0.62*	1.14S	0.207						
TIR	AC	HHZ	191.0	339	62	P	90.54	32.83	31.96	0.00	0.87*	1.11	0.096	1.00	56	3.59	D		
TIR	AC	HHE	191.0	339	62	S	113.69	55.98	55.93	0.00	0.05	1.14S	0.241						
PHP	AC	HHZ	216.1	355	56	P	94.46	36.75	35.41	0.00	1.34*	0.63	0.051	1.00	51	3.53	D		
PHP	AC	HHN	216.1	355	56	S	119.12	61.41	61.97	0.00	-0.56*	1.14S	0.307						
BCI	AC	HHZ	295.5	350	56	P	104.31	46.60	45.91	0.00	0.69*	1.14	0.153	1.00	30	3.15	D		
BCI	AC	HHE	295.5	350	56	S	138.12	80.41	80.34	0.00	0.07	1.14S	0.310						

YEAR	MO	DA	--ORIGIN--	--LAT N-	--LON W--	DEPTH	RMS	ERH	ERZ	XMAG	FMAG	PMAG
2017	03	24	0126	50.16	40 28.18	21E 1.39	6.54	0.08	0.57	2.11	1.05	2.37 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
7	10	26.3	At1	185	9	0	6	3	7	-	2.00	0.18 L	2.00	0.07	D

24 MAR 2017, 1:26 SEQUENCE NO. 1, ID NO. 0
 ERROR ELLIPSE: <SERR AZ DIP>-< 14.11 328 88>-< 0.57 134 1>-< 0.30 225 0>

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		26.3	311	91	P		55.84	5.68	5.15	0.00	0.43	1.15		0.037	1.00	18	2.30 D
KBN	AC	HHN		26.3	311	91		6	0.00	-50.16	5.15	0.00		0.00		0.000	1.00		0.20 .50 1.23 L
							S		59.16	9.00	9.01	0.00	-0.01	1.15S		0.987			
FNA	AC	HHZ		46.2	41	90	P		58.84	8.68	8.57	0.00	0.11	1.15		0.613			
FNA	AC	HHE		46.2	41	90	S		65.08	14.92	15.00	0.00	-0.08	1.15S		0.873			
LSK	AC	HHZ		50.6	226	90	P		59.44	9.28	9.33	0.00	-0.05	1.15		0.613	1.00	19	2.43 D
LSK	AC	HHN		50.6	226	90		6	60.00	9.84	9.33	0.00		0.00		0.000	1.00		0.05 .15 0.87 L
							S		66.50	16.34	16.33	0.00	0.01	1.15S		0.873			
IGT	AC	HHZ		119.8	210	90	P		70.67	20.51	21.21	0.00	-0.50*	0.00		0.000			

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2017-03-25 1952 59.96 39 22.67 20E31.93 17.31 0.35 2.70 2.29 3.69 4.00 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
 21 31 24.4 At1 146 21 0 19 8 21 # 3.00 0.21 L 5.00 0.06 D

25 MAR 2017, 19:52 SEQUENCE NO. 1, ID NO. 0
 ERROR ELLIPSE: <SERR AZ DIP>-< 3.54 247 40>-< 1.59 93 46>-< 1.00 349 13>

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		24.4	315	120	P		65.71	5.75	5.39	0.00	0.36	1.09		0.206								
IGT	AC	HHN		24.4	315	120	S		69.31	9.35	9.43	0.00	-0.08	1.09S		0.482								
LKD2	AC	HHZ		66.3	170	97	P		72.05	12.09	12.13	0.00	-0.04	1.09		0.314								
LKD2	AC	HHN		66.3	170	97	S		81.38	21.42	21.23	0.00	0.19	1.09S		0.571								
SRN	AC	HHZ		72.1	321	96	P		71.98	12.02	13.10	0.00	-0.11	1.02		0.101	1.00	71		3.65	D			
SRN	AC	HHN		72.1	321	96	S	6	60.00	0.04	13.10	0.00		0.00		0.000	1.00				6.9	.40	3.33	L
									82.31	22.35	22.92	0.00	-0.14	1.09S		0.275								
LSK	AC	HHZ		85.9	3	71	P		75.05	15.09	15.41	0.00	-0.32	1.09		0.105	1.00	91		3.87	D			
LSK	AC	HHN		85.9	3	71	S	6	60.00	0.04	15.41	0.00		0.00		0.000	1.00				20	.56	3.90	L
									87.85	27.89	26.97	0.00	0.42	1.07S		0.215								
KBN	AC	HHZ		140.0	8	71	P		84.38	24.42	24.05	0.00	0.37	1.09		0.133	1.00	100		4.00	D			
KBN	AC	HHN		140.0	8	71	S	6	60.00	0.04	24.05	0.00		0.00		0.000	1.00				5.0	.50	3.69	L
									101.11	41.15	42.09	0.00	-0.24	1.07S		0.284								
BPA1	AC	HHZ		167.1	334	71	P		89.59	29.63	28.35	0.00	0.28	0.88		0.058	1.00	104		4.06	D			
BPA1	AC	HHN		167.1	334	71	S		111.23	51.27	49.61	0.00	0.16	0.50S		0.049								
BPA2	AC	HHZ		169.2	333	71	P		90.47	30.51	28.69	0.00	0.22	0.33		0.008	1.00	101		4.03	D			
BPA2	AC	HHN		169.2	333	71	S		111.02	51.06	50.21	0.00	0.35	1.08S		0.244								
FNA	AC	HHN		172.0	24	71	S		107.16	47.20	50.99	0.00	-0.40	0.00S		0.000								
FNA	AC	HHZ		172.0	24	71	P		89.46	29.50	29.14	0.00	0.46	1.09		0.254								
TIR	AC	HHZ		226.0	346	51	P		96.78	36.82	37.00	0.00	-0.18	1.09		0.129								
TIR	AC	HHN		226.0	346	51	S		124.55	64.59	64.75	0.00	-0.24	1.09S		0.352								
PHP	AC	HHZ		256.3	359	51	P		100.45	40.49	41.01	0.00	-0.42	1.09		0.104								
PHP	AC	HHN		256.3	359	51	S		128.38	68.42	71.77	0.00	-0.35	0.00S		0.000								
BCI	AC	HHZ		334.2	354	51	P		110.65	50.69	51.32	0.00	-0.13	1.08		0.109								

YEAR MO DA --ORIGIN-- --LAT N- --LON W-- DEPTH RMS ERH ERZ XMAG FMAG PMAG
 2017-03-29 2337 57.29 43 54.67 18E21.22 12.01 0.69 8.83 1.56 3.83 4.02 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
 13 17 221.1 At1 277 7 0 9 2 11 # 5.00 0.07 L 3.00 0.07 D

29 MAR 2017, 23:37 SEQUENCE NO. 1, ID NO. 0
 ERROR ELLIPSE: <SERR AZ DIP>-< 26.49 5 25>-< 4.01 176 63>-< 2.77 273 3>

REGION= Bosnia and Herzegovina MODELS USED: Atl=1.00

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		221.1	140	46	P		95.32	38.03	38.40	0.00	-0.37	1.03		0.468	1.00	104	4.02	D				
BCI	AC	HHN		221.1	140	46		6	120.00	62.71	38.40	0.00		0.00		0.000	1.00				4.3	.62	4.10	L
							S		121.50	64.21	67.20	0.00	-0.49	1.00S		0.000								
PHP	AC	HHZ		300.6	144	37	P		107.04	49.75	49.01	0.00	0.24	1.03		0.434	1.00	104	4.09	D				
PHP	AC	HHN		300.6	144	37		6	120.00	62.71	49.01	0.00		0.00		0.000	1.00				1.01	.10	3.83	L
							S		142.71	85.42	85.77	0.00	-0.35	1.03S		0.839								
TIR	AC	HHZ		310.6	155	37	P		108.32	51.03	50.34	0.00	0.29	1.03		0.145	1.00	85	3.93	D				
TIR	AC	HHE		310.6	155	37		6	120.00	62.71	50.34	0.00		0.00		0.000	1.00				0.82	.56	3.76	L
							S		148.99	91.70	88.10	0.00	0.60*	0.00S		0.000								
SGRT	AC	HHZ		320.2	223	37	P		109.74	52.45	51.61	0.00	0.84*	1.03		0.574								
SGRT	AC	HHE		320.2	223	37	S		146.00	88.71	90.32	0.00	-1.61*	0.79S		0.680								
NOCI	AC	HHZ		362.7	198	37	P		114.82	57.53	57.23	0.00	0.30	1.03		0.521								
KBN	AC	HHZ		416.8	150	37	P		121.24	63.95	64.38	0.00	-0.43	1.03		0.190								
KBN	AC	HHN		416.8	150	37		6	180.00	122.71	64.38	0.00		0.00		0.000	1.00				0.53	1.10	3.89	L
LSK	AC	HHZ		457.3	155	37	P		126.45	69.16	69.74	0.00	-0.58*	1.03		0.145								
SRN	AC	HHE		468.1	162	37		6	180.00	122.71	71.18	0.00		0.00		0.000	1.00				0.22	.60	3.64	L

Tërmete të largëta (Long distance earthquake)

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter
 2017-03-29 0409 24.0 6.6 Near East Cost Of Katmachatka
 GAP= hor.err= ver.err=

STAT SP IPHASW D HRMM SECON AZIMU RES DIS DUR Md
 BCI AC iP 0421 12.29
 PHP AC iP 0421 13.90

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TIR AC iP      0421 16.26
FNA AC iP      0421 16.85
BPA1 AC iP     0421 20.98
BPA2 AC iP     0421 21.20
LSK AC iP      0421 22.15
VLO AC iP      0421 22.15
SRN AC iP      0421 22.74
IGT AC iP      0421 25.09

```

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
2017 03 03  0753 43.70                BCI
GAP=                hor.err=          ver.err=

STAT SP IPHASW D HRMM SECON          AZIMU RES   DIS   DUR   Md
BCI  SZ IPG      0753 43.70
BCI  SE ISG      0753 43.80

```

```

Y   M   D   HM   Sec   Lat   Long   Dep   Net Nr Rms Mag   Epicenter
2017 03 05  1306  5.45                BCI
GAP=                hor.err=          ver.err=

STAT SP IPHASW D HRMM SECON          AZIMU RES   DIS   DUR   Md
TIR  SZ IPG      1306  8.74
TIR  SE ISG      1306 11.10

```

PHP SZ IPG 1306 17.12
PHP SE ISG 1306 25.98

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

2017 03 06 0526 39.68 PHP
GAP= hor.err= ver.err=

STAT SP IPHASW D HRMM SECON AZIMU RES DIS DUR Md
PHP SZ IPG 0526 39.68
PHP SE ISG 0526 40.07

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

2017 03 15 0621 19.29 PHP
GAP= hor.err= ver.err=

STAT SP IPHASW D HRMM SECON AZIMU RES DIS DUR Md
PHP SZ IPG 0621 19.29
PHP SE ISG 0621 21.45

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

2017 03 15 2233 23.00 PHP
GAP= hor.err= ver.err=

STAT SP IPHASW D HRMM SECON AZIMU RES DIS DUR Md
TIR SZ IPG 2233 25.80
TIR SE ISG 2233 29.30
PHP SZ IPG 2233 31.76
PHP SE ISG 2233 38.89

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

2017 03 17 2223 12.25 PHP
GAP= hor.err= ver.err=

STAT SP IPHASW D HRMM SECON AZIMU RES DIS DUR Md

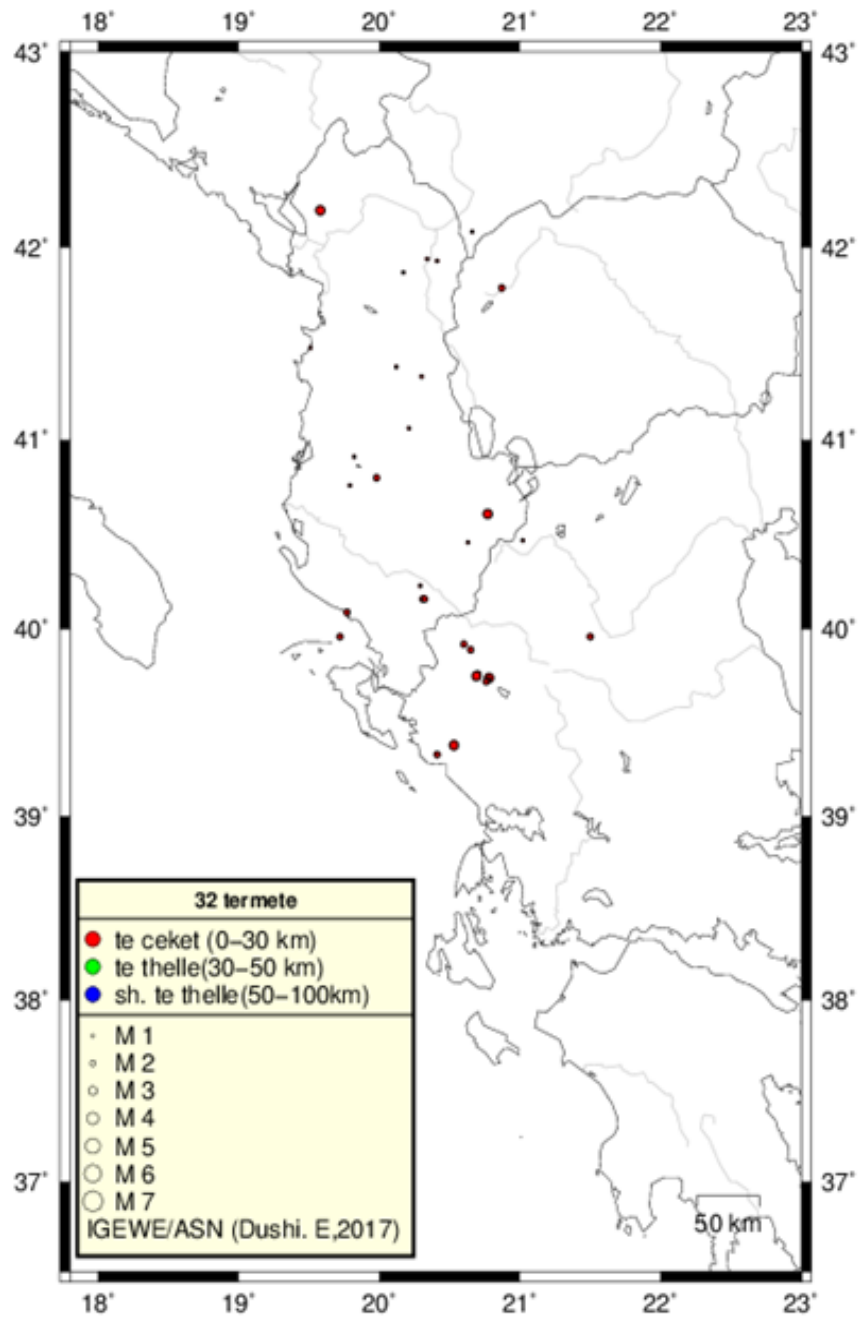
PHP SZ IPG 2223 12.25
PHP SE ISG 2223 15.18

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter
2017 03 17 2306 54.89 PHP
GAP= hor.err= ver.err=

STAT SP IPHASW D HRMM SECON AZIMU RES DIS DUR Md
PHP SZ IPG 2306 54.89
PHP SE ISG 2306 58.60

Y M D HM Sec Lat Long Dep Net Nr Rms Mag Epicenter
2017 03 27 0715 32.22 PHP
GAP= hor.err= ver.err=

STAT SP IPHASW D HRMM SECON AZIMU RES DIS DUR Md
PHP SZ IPG 0715 37.29
PHP SE ISG 0715 41.20
PHP SZ IPG 0715 42.44
PHP SE ISG 0715 50.07



-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 Mars 2017, bazuar në regjistrimet e ASN dhe stacioneve sizmologjike në rajon.
(Epicentral map for located seismicity within Albania and surrounding during March 2017)

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]	32
Numuri i ngjarjeve sizmike brenda kufirit shtetëror	[earthquakes occurred within state border]	19
Thellësia mesatare e vrojtuar (km)	[mean observed depth]	10
Thellësia maksimale e vrojtuar (km)	[maximum observed depth]	24
Magnituda lokale minimale e vrojtuar (M _{Ld})	[minimum observed local magnitude]	1.1
Magnituda lokale maksimale e vrojtuar (M _{Ld})	[maximum observed local magnitude]	3.7
Intensiteti maksimal i vrojtuar (MSK-64)	[maximum observed intensity]	IV

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