

BULETINI MUJOR I SIZMOLOGJIS
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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. Olgert Gjuzi, Ing. Irena Dushi, Ing. Suela Hajrullai (Inxhinier Gjeolog, Gjeofizik, Fizik/ 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 staff are: Eng. Ardian Minarolli, Eng. Olgert Gjuzi, Eng. Irena Dushi and Eng. Suela Hajrullai (Geologists, Geophysicist, Physicist /Observers) and scientific staff: 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)

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.

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

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

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

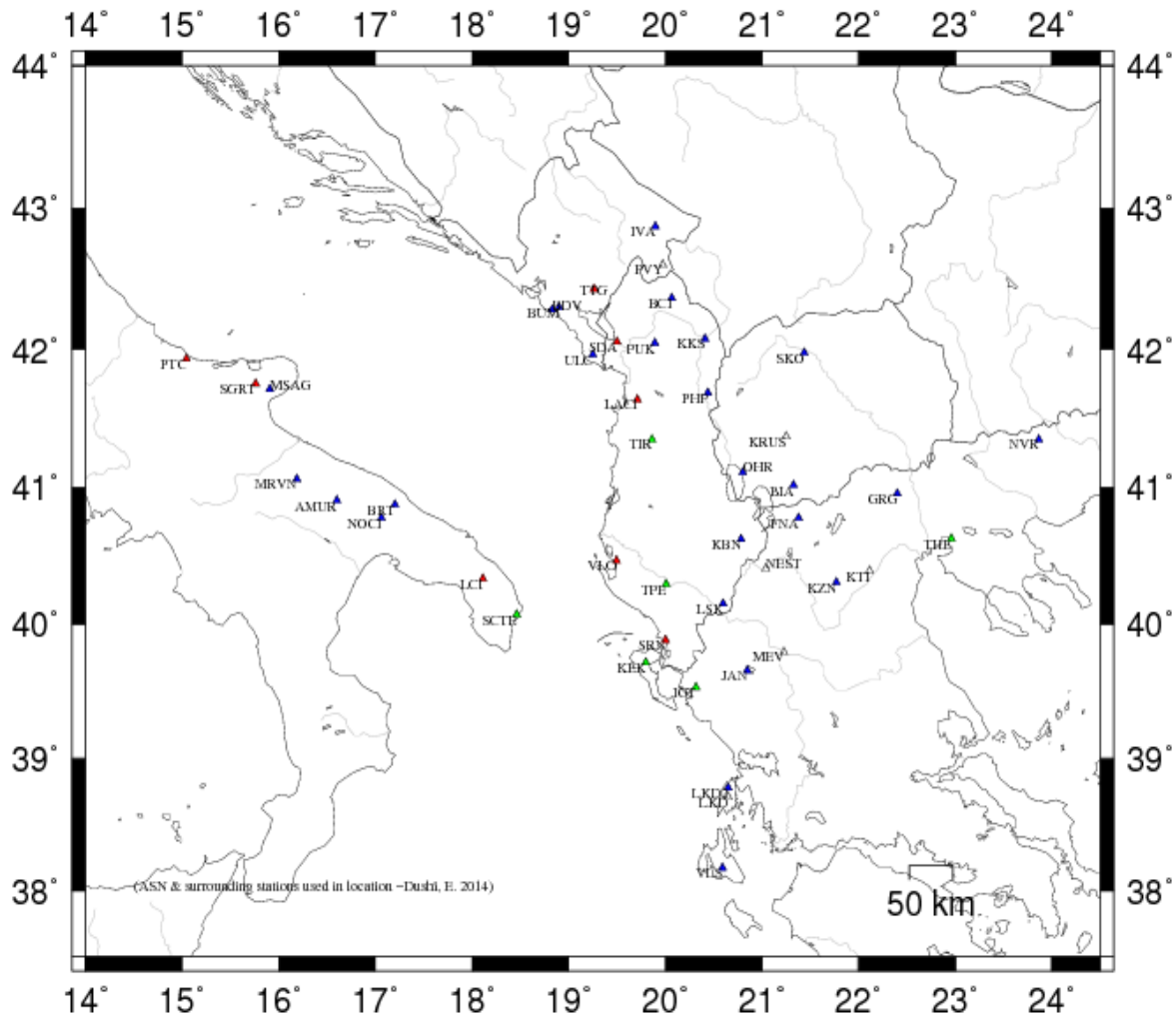
Tab. 3 – Rrjeti Sizmologjik Ndhmës (MSO, SKO, AUTH, NAO, INGV)

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

Kodi	Regjistruar (Po/Jo)	Gjer. Gjeo.	Gjat. Gjeo.	Lartesia	Tipi i stacionit	Sensori	Terheqja e Informacionit	Komunikimi	T ₀
Station Code	Registered (WDC)	Latitude (degree)	Longitude (degree)	Elev. (m)	Station type	Sensor type	Acquisition system	Communication	Nat.l Period (s)
BRT	Po (Y)	40.8778	17.2036	333	#	#	#	#	#
AMUR	Po (Y)	40.9071	16.6041	443	3C-BB	Trillium 40T	Libra VSAT	RT satellite	40
MSAG	Po (Y)	41.712	15.9096	890	3C-BB	Trillium 40T	Libra VSAT	RT satellite	40/120
PTC	Po (Y)	41.7546	15.7437	960	3C-BB	Trillium 40T	Libra VSAT	RT satellite	40
LCI	Po (Y)	40.33461	18.11197	46	3C-BB	#	Libra VSA1	#	40/120
OHR	Po (Y)	41.1114	20.7989	739	#	#	#	#	#
BIA	Po (Y)	41.0194	21.3239	720	3C-BB	#	Trident	#	40
KRUS	Po (Y)	41.3689	21.2488	1015	#	#	#	#	#
SKO	Po (Y)	41.9721	21.4396	346	3C-BB	#	Jaurus	#	120
FINA	Po (Y)	40.7818	21.3835	750	3C-BB	CMG-3EPS/100	Trident	RT	40
IGT	Po (Y)	39.5315	20.3299	270	3C-BB	CMG-3EPS/100	HRD24	RT	40

Shënim:

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

Përshkrimi i terminlogjisë së përdorur për parametrat e përftuar
(Output parameter's description)

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

YEAR MO DA	Data (viti, muaji, data) [<i>Date</i>]
ORIGIN	Koha (ora, minuta, sekonda) [<i>Origine Time</i>]
LAT N	Gjerësia gjeografike (gradë, minuta) [<i>latitude in degree and minute</i>]
LON W	Gjatësia gjeografike (gradë, minuta) [<i>longitude in degree and minutes</i>]
DEPTH	Thellësia vatrore (km) [<i>hypocenter depth in km</i>]
RMS	Shmangia kuadratike mesatare për diferencat e peshuara të kohë-udhëtimin, për Fazat Sizmike, [<i>root mean square for the weighted travel time residuals</i>]
ERH	Gabimi horizontal në lokalizim (përafërsisht aksi maksimal i elipsit të gabimit në epiqendër), [<i>horizontal location error, approximately equal to the major epicenter's error ellipse</i>].
ERZ	Gabimi në thellësi, [<i>Defined as the largest projections of the three principal errors on a vertical line</i>].
XMAG	Magnituda primare bazuar në amplitudë [<i>Primary weighted median amplitude magnitude</i>].
FMAG	Magnituda primare bazuar në zgjatshmërinë e sinjalit [<i>Primary weighted median coda magnitude</i>].
PMAG	Magnituda e përzgjedhur si përfaqësuese, për ngjarjen e lokalizuar [<i>preferred magnitude selected by PRE command, as representative of available magnitudes ML and Md</i>].
NSTA	Numuri i stacioneve të përdorur në lokalizim [<i>the number of stations read for this event</i>].
NPHS	Numuri i fazave të përdorura [<i>Number of used phases in location</i>].
DMIN	Distanca hypoqender-stacioni më i afërt [<i>distance to the nearest station</i>].
MODEL	Modeli shpejtësior i përdorur [<i>velocity crustal model code</i>].
GAP	Shmangia maksimale, këndore, ndërmjet stacioneve të përdorur [<i>the largest azimuthal gap between azimuthally adjacent stations</i>].
ITR	Numri i iteracioneve për zgjidhje [<i>number of iterations required for the solution</i>].
NFM	Numri i hyrjeve të para P [<i>number of P first motions reported</i>].
NWR	Numri i fazave P & S me peshë statistikore > 0.1 [<i>number of P & S readings with weights > 0.1</i>].
NWS	Numri i fazave S me peshë statistikore > 0.1 [<i>number of S-phases with weights > 0.1</i>].
NVR	Numri i fazave P & S, të vlefshme për lokalizim [<i>number of P & S phases valid for location, assigned weights > 0</i>].
QGEO	Cilesia e katalogut bazuar ne gjeometrin e rrjetit sizmologjik [Quality rating based on station geometry]
QLOC	Cilesia e katalogut bazuar ne lokalizimin e ngjarjeve sizmike [Quality rating based on localization of seismic event]
REMARKS	Kodi (3 karaktere) i rajonit (region code), bazuar në lokalizim dhe thellësinë e vlerësuar; kodi (1 karakter) për të karakterizuar ngjarjen: F – e ndjerë (felt), Q/ B – shpërthime sipërfaqësore në karriera (quarry blasts), R/N – shpërthime në thellësi (explosions), T – vibrime (tremors) dhe L – kontraktimet me period të gjatë (long period tidal waves); # - problem me konvergjimin e zgjidhjes së përftuar 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-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 korrigjues që përdoret në llogaritjen e magnitudës [<i>calibration factor for magnitude calculation</i>].
DUR	Zgjatshmëria e fazës koda (s) [<i>coda duration i sec</i>]
W	Kodi i peshimit 0-4 për magnitudën bazuar në zgjatshmërinë e sinjalit, Md, [<i>duration magnitude weight code</i>].
FMAG	Magnituda Md, për stacionin [<i>duration magnitude for that station</i>].
T	Kodi për llojin e magnitudës [<i>the magnitude type code assigned by FC1 & FC2 commands</i>].

AMP	amplituda maksimale (pik-pik) [<i>peak to peak maximum amplitude</i>]
U	Kodi për njësinë e përdorur për amplitudën M – mm, C – counts, etj. [<i>amplitude units code</i>]
PER	Perioda (s), ku është matur A_{\max} , [<i>max amplitude corresponding period in sec.</i>].
W	Kodi i peshimit 0-9, për magnitudën, bazuar në amplitudë, [<i>amplitude based magnitude weight code</i>].
XMAG	Magnituda bazuar në amplitudë, për stacionin, [<i>amplitude magnitude for that station</i>].
T	Kodi për llojin e magnitudës [<i>the magnitude type code assigned by XC1 & XC2 commands</i>].

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

2019\450.gse
 BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556180012 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 450 2.2 km from Grabova e Sipërme, Elbasan, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/01	05:26:16.25		0.04	40.7972	20.4347				0.1	0.7	13	9	122	0.31	2.01	m	489

Magnitude	Err	Nsta	Author	OrigID
Ml	2.2	0.0	5	489
Md	2.6	0.0	3	489

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.32	122.0	Sg	05:26:28.191	0.0					---				m		7340
KBN	0.32	122.0	Pg	05:26:23.071	0.0					---				mci		7339
KBN	0.32	122.0	AMl	05:26:29.270						---		3.3	0.28	a	Ml	2.5
KBN	0.32	122.0	AMd	05:26:51.295						---		0.0	28.22	a	Md	2.1
BPA1	0.60	264.0	Sg	05:26:38.359	0.0					---				m		7342
BPA1	0.60	264.0	Pg	05:26:28.880	0.0					---				m		7341
NEST	0.60	0.0	Pg	05:26:28.089	0.0					---				mdi		7354
NEST	0.60	129.0	Sg	05:26:38.563	-0.1					---				m		7343
NEST	0.60	129.0	AMl	05:26:40.620						---		0.3	0.40	a	Ml	1.8
LSK	0.66	168.0	Sg	05:26:40.294	0.1					---				m		7345
LSK	0.66	168.0	Pg	05:26:29.937	0.0					---				mdi		7344
LSK	0.66	168.0	AMl	05:26:42.050						---		1.0	0.60	a	Ml	2.5
LSK	0.66	168.0	AMd	05:27:10.780						---		0.0	40.84	a	Md	2.6
TIR	0.70	323.0	S	05:26:41.780	0.0					---				m		7347
TIR	0.70	323.0	P	05:26:30.806	-0.0					---				m		7346
PHP	0.89	0.0	Sg	05:26:47.559	0.0					---				m		7349
PHP	0.89	0.0	Pg	05:26:33.864	-0.3					---				mdi		7348
PHP	0.89	0.0	AMl	05:26:53.820						---		0.2	0.56	a	Ml	1.9
PHP	0.89	0.0	AMd	05:27:13.664						---		0.0	39.80	a	Md	2.6
IGT	1.27	184.0	Sn	05:27:00.677	-0.1					---				m		7351
IGT	1.27	184.0	Pn	05:26:41.449	-0.2					---				m		7350
IGT	1.27	184.0	AMl	05:27:07.540						---		0.2	0.54	a	Ml	2.2
LKD2	2.01	175.0	S	05:27:24.130	0.0					---				m		7353

LKD2 2.01 175.0 P 05:26:55.031 -0.0 _____ m__ 7352

DATA_TYPE COMMENT GSE2.1
Event 450

Official Magnitude:
Ml 2.19

Error ellipse:

	Azim	Dip	Mag
Max:	52	83	0.7300
Intermediate:	235	6	0.3200
Min:	325	0	0.1900

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180012 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 452 2.0 km from Ndërshenë, Lezhë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/01	06:57:05.79		0.01	41.8317	20.1105				13.6	4.5	4	4	157	0.27	0.52	m	
491																	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.2	0.0	2	491

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
PUK	0.27	0.0	Pg	06:57:10.893	0.0									mce		7376
PUK	0.27	323.0	Sg	06:57:15.960	-0.0									m__		7371
PUK	0.27	323.0	AM1	06:57:18.250								0.3	0.20	a__ Ml	1.5	4239
PHP	0.29	120.0	Sg	06:57:16.354	0.0									m__		7373
PHP	0.29	120.0	Pg	06:57:10.997	-0.8									mdi		7372
PHP	0.29	120.0	AM1	06:57:18.300								0.1	0.32	a__ Ml	0.9	4240
TIR	0.52	201.0	P	06:57:16.398	0.0									m__		7375
TIR	0.52	201.0	S	06:57:24.354	0.0									m__		7374

DATA_TYPE COMMENT GSE2.1
Event 452

Official Magnitude:
Ml 1.19

Error ellipse:

	Azim	Dip	Mag
Max:	38	79	4.5400

Intermediate: 238 9 0.5400
 Min: 147 4 0.3600

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556180012 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 454 1.5 km from Lavdari i Korcës, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/01	10:32:13.42		0.22	40.6130	20.6462				24.0	1.2	21	22	198	0.47	2.89	m	
OrigID 493																	

Magnitude	Err	Nsta	Author	OrigID
Ml	3.0	0.0	6	493
Md	3.0	0.0	2	493

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.11	0.0	Pg	10:32:14.884	0.0									m		7421
KBN	0.11	84.0	Sg	10:32:17.006	-1.7									m		7398
KBN	0.11	84.0	AMl	10:32:17.330								138.3	0.28	a	Ml	4.2
LSK	0.46	185.0	Sg	10:32:30.432	0.1									m		7400
LSK	0.46	185.0	Pg	10:32:23.001	-0.1									m		7399
LSK	0.46	185.0	AMl	10:32:38.400								4.5	0.50	a	Ml	2.9
LSK	0.46	185.0	AMd	10:33:19.596								0.0	56.59	a	Md	2.9
SRN	0.88	215.0	Sg	10:32:44.333	0.1									m		7402
SRN	0.88	215.0	Pg	10:32:31.014	-0.0									m		7401
SRN	0.88	215.0	AMl	10:32:53.410								0.7	0.68	a	Ml	2.5
SRN	0.88	215.0	AMd	10:33:40.471								0.0	69.46	a	Md	3.1
TIR	0.94	322.0	S	10:32:45.508	0.1									m		7404
TIR	0.94	322.0	P	10:32:31.399	-0.3									m		7403
TIR	0.94	322.0	AMl	10:32:52.150								0.6	0.58	a	Ml	2.5
PUK	1.54	339.0	Sn	10:33:04.368	0.7									m		7406
PUK	1.54	339.0	Pn	10:32:42.408	0.3									m		7405
PUK	1.54	339.0	AMl	10:33:13.030								0.9	0.78	a	Ml	3.1
ULC	1.71	323.0	P	10:32:45.278	0.3									m		7407
BCI	1.80	347.0	S	10:33:11.016	-0.0									m		7409
BCI	1.80	347.0	P	10:32:46.351	0.0									m		7408
BCI	1.80	347.0	AMl	10:33:16.820								1.6	0.86	a	Ml	3.6
DRME	1.92	326.0	P	10:32:48.163	0.1									m		7410
PVY	2.04	346.0	P	10:32:49.905	-0.0									m		7411
BUM	2.14	323.0	P	10:32:50.516	-0.8									m		7412
BEY	2.32	347.0	P	10:32:53.995	-0.1									m		7413
CEME	2.33	327.0	P	10:32:53.004	-1.1									m		7414
KOME	2.39	340.0	P	10:32:55.398	0.4									m		7415
NKME	2.49	331.0	P	10:32:56.191	-0.4									m		7416

NOCI	2.73	275.0	S	10:33:35.032	0.0	---	m	7418
NOCI	2.73	275.0	P	10:32:59.720	-0.3	---	m	7417
BRY	2.78	327.0	P	10:33:00.936	0.2	---	m	7419
UPM	2.89	334.0	P	10:33:01.967	-0.5	---	m	7420

DATA_TYPE COMMENT GSE2.1
Event 454

Official Magnitude:
Ml 3.02

Error ellipse:

	Azim	Dip	Mag
Max:	135	74	1.2700
Intermediate:	268	11	1.0000
Min:	0	11	0.3900

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180012 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 457 1.6 km from Qazim Pali, Vlorë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/03	00:16:15.64		0.54	40.0277	19.8823				28.9	1.6	15	11	126	0.17	2.34	m	
496																	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.6	0.0	8	496
Md	2.8	0.0	4	496

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
SRN	0.17	148.0	Sg	00:16:25.879	-0.9									m		7435	
SRN	0.17	148.0	P	00:16:21.714	-0.3									m		7434	
SRN	0.17	148.0	AMl	00:16:28.730								1.9	0.28	a	Ml	2.4	4269
SRN	0.17	148.0	AMd	00:17:08.391								0.0	46.68	a	Md	2.7	4265
VLO	0.53	327.0	Sg	00:16:33.666	-0.5									m		7437	
VLO	0.53	327.0	P	00:16:24.529	-1.7									m		7436	
VLO	0.53	327.0	AMl	00:16:37.440								6.0	0.30	a	Ml	3.1	4270
VLO	0.53	327.0	AMd	00:17:03.765								0.0	39.24	a	Md	2.5	4266
LSK	0.56	77.0	Sg	00:16:35.816	-0.3									m		7439	
LSK	0.56	77.0	Pg	00:16:27.469	0.2									m		7438	
LSK	0.56	77.0	AMl	00:16:41.840								2.0	0.52	a	Ml	2.7	4271
LSK	0.56	77.0	AMd	00:17:32.049								0.0	64.58	a	Md	3.0	4267
KBN	0.91	48.0	Sg	00:16:46.851	0.8									m		7441	
KBN	0.91	48.0	P	00:16:33.396	0.4									m		7440	

KBN	0.91	48.0	AMl	00:16:50.730	---	0.6	0.50	a__	Ml	2.6	4272
KBN	0.91	48.0	AMd	00:17:27.836	---	0.0	54.44	a__	Md	2.9	4268
SCTE	1.09	274.0	Sg	00:16:52.536	0.3	---	---	m__	---	---	7443
SCTE	1.09	274.0	P	00:16:37.196	0.7	---	---	m__	---	---	7442
SCTE	1.09	274.0	AMl	00:16:55.190	---	1.8	0.34	a__	Ml	3.1	4273
TIR	1.37	0.0	P	00:16:40.599	0.0	---	---	m__	---	---	7451
TIR	1.32	0.0	Sg	00:16:59.685	0.5	---	---	m__	---	---	7444
TIR	1.32	0.0	AMl	00:17:05.570	---	0.3	0.74	a__	Ml	2.5	4274
PHP	1.71	14.0	Sn	00:17:11.434	1.8	---	---	m__	---	---	7446
PHP	1.71	14.0	Pn	00:16:46.735	0.2	---	---	m__	---	---	7445
PHP	1.71	14.0	AMl	00:17:21.380	---	0.1	1.26	a__	Ml	2.4	4275
PUK	2.01	0.0	Sn	00:17:18.018	0.2	---	---	m__	---	---	7448
PUK	2.01	0.0	Pn	00:16:50.201	-1.0	---	---	m__	---	---	7447
PUK	2.01	0.0	AMl	00:17:22.640	---	0.2	0.78	a__	Ml	2.9	4276
BCI	2.34	3.0	Sn	00:17:25.500	-0.8	---	---	m__	---	---	7450
BCI	2.34	3.0	Pn	00:16:55.345	-0.7	---	---	m__	---	---	7449

DATA_TYPE COMMENT GSE2.1
Event 457

Official Magnitude:
Ml 2.63

Error ellipse:

	Azim	Dip	Mag
Max:	159	50	2.1200
Intermediate:	44	19	1.0200
Min:	301	33	0.8400

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180011 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 465 1.1 km from Lapoj, Kukës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/04	22:47:52.56		0.05	41.8975	20.4262				7.2	1.7	7	11	198	0.22	1.54	m	504

Magnitude	Err	Nsta	Author	OrigID
Ml	1.6	0.0	3	504
Md	2.7	0.0	3	504

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
PHP	0.21	177.0	Sg	22:48:00.347	0.1					---				m__		7548
PHP	0.21	177.0	Pg	22:47:56.891	-0.1					---				mci		7547

PHP	0.21	177.0	AMl	22:48:00.520	---	0.4	0.12	a__	Ml	1.5	4341
PHP	0.21	177.0	AMd	22:48:44.059	---	0.0	47.17	a__	Md	2.7	4338
PUK	0.42	291.0	Sg	22:48:07.588	0.0	---	---	m__	---	---	7550
PUK	0.42	291.0	Pg	22:48:00.817	-0.3	---	---	mdi	---	---	7549
PUK	0.42	291.0	AMl	22:48:11.590	---	0.3	0.16	a__	Ml	1.6	4342
PUK	0.42	291.0	AMd	22:48:50.843	---	0.0	50.03	a__	Md	2.7	4339
BCI	0.54	331.0	Sg	22:48:12.083	0.6	---	---	m__	---	---	7552
BCI	0.54	331.0	Pg	22:48:03.376	-0.0	---	---	mce	---	---	7551
BCI	0.54	331.0	AMl	22:48:13.630	---	0.3	0.14	a__	Ml	1.7	4343
BCI	0.54	331.0	AMd	22:48:42.938	---	0.0	39.56	a__	Md	2.5	4340
ULC	0.88	0.0	P	22:48:10.036	0.0	---	---	m__	---	---	7556
BEY	1.05	339.0	P	22:48:13.235	0.1	---	---	m__	---	---	7553
CEME	1.29	301.0	P	22:48:17.894	0.1	---	---	m__	---	---	7554
HCY	1.54	292.0	P	22:48:22.155	-0.1	---	---	m__	---	---	7555

DATA_TYPE COMMENT GSE2.1
Event 465

Official Magnitude:
Ml 1.55

Error ellipse:

	Azim	Dip	Mag
Max:	135	84	1.6900
Intermediate:	246	1	0.7800
Min:	336	6	0.3000

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180011 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 466 1.7 km from Kudhës, Vlorë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/05	01:07:21.92		0.08	40.1150	19.8140				0.1	1.0	11	32	116	0.28	1.48	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.9	0.0	7	505
Md	2.5	0.0	2	505

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
SRN	0.27	0.0	Pg	01:07:28.628	0.0					---				m__		7571	
SRN	0.28	148.0	Sg	01:07:33.566	-0.1					---				m__		7557	
SRN	0.28	148.0	AMl	01:07:36.628						---		0.7	0.32	a__	Ml	1.8	4346
VLO	0.43	326.0	Sg	01:07:37.327	0.1					---				m__		7559	

VLO	0.43	326.0	Pg	01:07:31.313	0.6	---								m			7558
VLO	0.43	326.0	AMl	01:07:43.948		---				0.8	0.24	a	Ml		2.1		4347
VLO	0.43	326.0	AMd	01:08:08.065		---				0.0	36.75	a	Md		2.4		4344
LSK	0.60	86.0	Sg	01:07:43.962	-0.1	---								m			7561
LSK	0.60	86.0	Pg	01:07:34.565	0.0	---								m			7560
LSK	0.60	86.0	AMl	01:07:51.758		---				0.3	0.70	a	Ml		1.8		4348
LSK	0.60	86.0	AMd	01:08:18.633		---				0.0	44.07	a	Md		2.6		4345
IGT	0.71	145.0	Sg	01:07:47.620	-0.1	---								m			7563
IGT	0.71	145.0	Pg	01:07:36.670	0.0	---								m			7562
IGT	0.71	145.0	AMl	01:07:50.238		---				0.1	0.24	a	Ml		1.4		4349
KBN	0.90	55.0	P	01:07:39.069	-0.8	---								m			7564
NEST	0.99	72.0	Sg	01:07:57.197	-0.1	---								m			7566
NEST	0.99	72.0	Pg	01:07:41.979	-0.1	---								m			7565
NEST	0.99	72.0	AMl	01:07:59.978		---				0.0	0.66	a	Ml		1.4		4350
SCTE	1.03	269.0	S	01:07:57.692	-1.0	---								m			7568
SCTE	1.03	269.0	P	01:07:42.824	-0.1	---								m			7567
SCTE	1.03	269.0	AMl	01:07:59.338		---				0.3	0.32	a	Ml		2.3		4352
SCTE	1.03	269.0	AMl	01:08:00.258		---				0.2	0.28	a	Ml		2.2		4351
LKD2	1.48	153.0	Sn	01:08:13.318	0.1	---								m			7570
LKD2	1.48	153.0	Pn	01:07:51.239	0.0	---								m			7569
LKD2	1.48	153.0	AMl	01:08:15.628		---				0.1	0.26	a	Ml		1.9		4353

DATA_TYPE COMMENT GSE2.1
Event 466

Official Magnitude:
Ml 1.87

Error ellipse:

	Azim	Dip	Mag
Max:	253	84	1.0300
Intermediate:	52	5	0.3900
Min:	142	2	0.2900

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180011 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 467 1.2 km from Demaj, Lezhë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/06	05:46:52.59		0.16	41.8395	19.5887				22.3	1.5	19	31	140	0.28	1.85	m	
506																	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.8	0.0	5	506

Md 2.4 0.0 3 506

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
ULC	0.28	297.0	Pg	05:46:59.293	0.1									mc_		7572
PUK	0.30	48.0	Sg	05:47:04.662	0.1									m_		7574
PUK	0.30	48.0	Pg	05:46:59.488	0.1									md_		7573
PUK	0.30	48.0	AMl	05:47:07.290								5.4	0.12	a_	Ml	2.8
PUK	0.30	48.0	AMd	05:47:35.213								0.0	35.73	a_	Md	2.4
DRME	0.46	320.0	Pg	05:47:02.038	-0.2									md_		7575
TIR	0.53	157.0	Sg	05:47:11.865	-0.0									m_		7577
TIR	0.53	157.0	Pn	05:47:03.506	-0.1									mc_		7576
TIR	0.53	157.0	AMl	05:47:11.740								1.2	0.34	a_	Ml	2.4
TIR	0.53	157.0	AMd	05:47:40.057								0.0	36.55	a_	Md	2.4
BCI	0.64	0.0	Pg	05:47:04.903	0.0									mc_		7592
BCI	0.64	33.0	Sg	05:47:14.740	-0.1									m_		7578
BCI	0.64	33.0	AMl	05:47:15.500								2.7	0.28	a_	Ml	2.9
BCI	0.64	33.0	AMl	05:47:16.490								2.2	0.42	a_	Ml	2.8
PHP	0.66	103.0	Sn	05:47:15.327	0.2									m_		7580
PHP	0.66	103.0	Pg	05:47:05.208	-0.3									md_		7579
PHP	0.66	103.0	AMl	05:47:17.140								1.8	0.16	a_	Ml	2.8
PHP	0.66	103.0	AMd	05:47:53.974								0.0	48.77	a_	Md	2.7
BUM	0.69	313.0	Pg	05:47:06.614	0.2									m_		7581
PVY	0.81	20.0	Pn	05:47:07.828	-0.6									md_		7582
CEME	0.86	326.0	P	05:47:09.225	-0.3									m_		7583
NKME	1.04	334.0	P	05:47:12.456	-0.1									m_		7584
BEY	1.05	12.0	Pg	05:47:12.809	-0.1									m_		7585
BRY	1.31	325.0	P	05:47:17.540	0.1									m_		7586
UPM	1.45	341.0	Pn	05:47:20.200	0.3									mc_		7587
FNA	1.72	127.0	Sn	05:47:48.083	-0.1									m_		7589
FNA	1.72	127.0	Pn	05:47:24.776	0.4									m_		7588
FNA	1.72	127.0	AMl	05:47:51.300								0.5	0.42	a_	Ml	3.0
NEST	1.80	141.0	Pn	05:47:25.936	0.2									m_		7590
LSK	1.85	155.0	Pn	05:47:26.299	-0.0									m_		7591

DATA_TYPE COMMENT GSE2.1
Event 467

Official Magnitude:
Ml 2.83

Error ellipse:

	Azim	Dip	Mag
Max:	345	81	1.4700
Intermediate:	235	2	0.4600
Min:	145	8	0.3100

BEGIN GSE2.1
MSG_TYPE DATA

MSG_ID 1556180011 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 468 1.0 km from Tërshenë, Kukës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/07	15:08:10.02		0.07	41.9843	20.4672				1.2	1.4	10	17	174	0.30	1.38	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.9	0.0	3	507
Md	2.5	0.0	3	507

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
PHP	0.30	184.0	Sg	15:08:21.325	0.0									m__		7594
PHP	0.30	184.0	Pg	15:08:16.238	-0.2									mci		7593
PHP	0.30	184.0	AMl	15:08:23.210								0.4	0.12	a__ Ml	1.6	4366
PHP	0.30	184.0	AMd	15:08:49.003								0.0	32.76	a__ Md	2.3	4363
PUK	0.43	278.0	Sg	15:08:26.157	0.0									m__		7596
PUK	0.43	278.0	Pg	15:08:19.003	-0.2									mce		7595
PUK	0.43	278.0	AMl	15:08:30.060								0.5	0.22	a__ Ml	1.9	4367
PUK	0.43	278.0	AMd	15:09:04.420								0.0	45.42	a__ Md	2.6	4364
BCI	0.48	323.0	Sg	15:08:27.886	-0.0									m__		7598
BCI	0.48	323.0	Pg	15:08:20.183	-0.1									mdi		7597
BCI	0.48	323.0	AMl	15:08:30.750								0.5	0.14	a__ Ml	1.9	4368
BCI	0.48	323.0	AMd	15:09:00.227								0.0	40.04	a__ Md	2.5	4365
DRME	0.98	0.0	Pn	15:08:29.578	0.0									mci		7604
BEY	0.98	335.0	Pn	15:08:29.872	0.1									mci		7599
BUM	1.21	286.0	Pn	15:08:34.225	0.1									mde		7600
CEME	1.28	297.0	Pn	15:08:35.637	0.1									mci		7601
FNA	1.38	149.0	Sn	15:08:55.999	-2.2									m__		7603
FNA	1.38	149.0	Pn	15:08:37.572	0.0									mci		7602

DATA_TYPE COMMENT GSE2.1
 Event 468

Official Magnitude:
 Ml 1.87

Error ellipse:

	Azim	Dip	Mag
Max:	76	71	1.4600
Intermediate:	245	17	0.5900
Min:	336	3	0.2700

BEGIN GSE2.1
 MSG_TYPE DATA

MSG_ID 1556180011 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 470 1.0 km from Shtrungaj, Lezhë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/07	16:23:15.39		0.18	41.8952	20.1058				25.0	0.8	15	31	132	0.22	1.64	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.6	0.0	4	509
Md	2.4	0.0	2	509

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
PUK	0.22	313.0	Sg	16:23:25.560	-0.2									m__		7625
PUK	0.22	313.0	Pg	16:23:21.161	-0.2									mc__		7624
PUK	0.22	313.0	AMl	16:23:26.690								3.6	0.24	a__	Ml	2.6
PUK	0.22	313.0	AMd	16:23:55.713								0.0	34.55	a__	Md	2.4
PHP	0.33	129.0	Sg	16:23:28.234	-0.1									m__		7627
PHP	0.33	129.0	Pg	16:23:22.514	-0.3									mc__		7626
PHP	0.33	129.0	AMl	16:23:28.940								3.0	0.22	a__	Ml	2.6
PHP	0.33	129.0	AMd	16:23:58.840								0.0	36.33	a__	Md	2.4
BCI	0.47	0.0	Pg	16:23:24.071	0.0									m__		7640
BCI	0.47	357.0	Sg	16:23:32.752	-0.1									m__		7628
BCI	0.47	357.0	AMl	16:23:34.250								0.8	0.32	a__	Ml	2.1
BCI	0.47	357.0	AMl	16:23:34.300								0.8	0.50	a__	Ml	2.2
TIR	0.58	199.0	Sg	16:23:35.995	-0.2									m__		7629
ULC	0.64	277.0	P	16:23:28.581	0.2									m__		7630
DRME	0.74	294.0	Pg	16:23:29.985	-0.2									md__		7631
BUM	0.98	295.0	Pg	16:23:34.901	0.5									md__		7632
KOME	1.05	336.0	P	16:23:34.998	-0.6									m__		7633
CEME	1.10	307.0	P	16:23:36.183	-0.2									m__		7634
NKME	1.22	317.0	Pn	16:23:38.584	0.0									m__		7635
FNA	1.47	138.0	Sn	16:24:03.676	-0.1									m__		7637
FNA	1.47	138.0	Pn	16:23:43.934	0.9									m__		7636
FNA	1.47	138.0	AMl	16:24:09.300								0.3	0.32	a__	Ml	2.6
NEST	1.64	153.0	Sn	16:24:08.325	-0.3									m__		7639
NEST	1.64	153.0	Pn	16:23:45.887	0.1									m__		7638

DATA_TYPE COMMENT GSE2.1
 Event 470

Official Magnitude:
 Ml 2.60

Error ellipse:

	Azim	Dip	Mag
Max:	32	65	0.8400
Intermediate:	240	22	0.6700

Min: 146 11 0.3200

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180010 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 471 0.9 km from Gorskova e Poshtme, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/08	10:25:26.94		0.05	40.6330	20.7072				17.1	0.6	10	32	217	0.06	1.14	m	

Magnitude	Err	Nsta	Author	OrigID
M1	2.0	0.0	5	511
Md	2.2	0.0	2	511

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.06	0.0	Pg	10:25:30.014	0.0									mc_		7666
KBN	0.06	98.0	Sg	10:25:32.007	0.0									m_		7654
KBN	0.06	98.0	AM1	10:25:32.680								15.7	0.34	a_	M1	3.1
KBN	0.06	98.0	AM1	10:25:32.780								12.3	0.30	a_	M1	2.9
NEST	0.34	129.0	Sg	10:25:39.965	0.0									m_		7656
NEST	0.34	129.0	Pg	10:25:34.338	-0.0									mc_		7655
NEST	0.34	129.0	AM1	10:25:43.430								0.5	0.20	a_	M1	1.8
NEST	0.34	129.0	AM1	10:25:41.110								0.5	0.32	a_	M1	1.8
NEST	0.34	129.0	AMd	10:26:00.261								0.0	25.92	a_	Md	2.1
LSK	0.49	190.0	Sg	10:25:44.493	0.0									m_		7658
LSK	0.49	190.0	Pg	10:25:36.916	-0.1									mc_		7657
LSK	0.49	190.0	AM1	10:25:46.180								0.6	0.20	a_	M1	2.0
LSK	0.49	190.0	AM1	10:25:46.570								0.9	0.42	a_	M1	2.2
LSK	0.49	190.0	AMd	10:26:11.288								0.0	34.37	a_	Md	2.4
FNA	0.54	73.0	Sg	10:25:46.271	0.1									m_		7660
FNA	0.54	73.0	Pg	10:25:37.865	-0.1									m_		7659
FNA	0.54	73.0	AM1	10:25:48.880								0.9	0.20	a_	M1	2.3
FNA	0.54	73.0	AM1	10:25:50.960								0.3	0.32	a_	M1	1.9
SRN	0.93	216.0	S	10:25:59.507	0.2									m_		7662
SRN	0.93	216.0	P	10:25:45.471	0.0									m_		7661
SRN	0.93	216.0	AM1	10:26:01.530								0.1	0.40	a_	M1	1.6
PHP	1.07	350.0	P	10:25:47.925	0.6									m_		7663
IGT	1.14	195.0	Sn	10:26:05.262	0.0									m_		7665
IGT	1.14	195.0	Pn	10:25:49.651	0.8									m_		7664

DATA_TYPE COMMENT GSE2.1
Event 471

Official Magnitude:

M1 2.02

Error ellipse:

	Azim	Dip	Mag
Max:	133	9	0.7900
Intermediate:	18	69	0.5900
Min:	226	19	0.2800

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556180010 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 472 0.9 km from Plovisht-Bos, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/08	10:31:22.26		0.28	40.7085	20.6388				11.9	1.8	11	32	141	0.14	1.20	m	

OrigID
512

Magnitude	Err	Nsta	Author	OrigID
M1	2.4	0.0	4	512
Md	2.6	0.0	2	512

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.13	0.0	Pg	10:31:26.434	0.0					___				mc_		7680
KBN	0.14	126.0	Sg	10:31:28.191	0.4					___				m_		7667
KBN	0.14	126.0	AMl	10:31:29.128						___		9.7	0.36	a_	Ml	2.8
KBN	0.14	126.0	AMl	10:31:29.238						___		11.5	0.34	a_	Ml	2.9
NEST	0.43	133.0	Sg	10:31:36.305	-1.5					___				m_		7669
NEST	0.43	133.0	Pg	10:31:30.834	-0.3					___				mc_		7668
NEST	0.43	133.0	AMl	10:31:37.468						___		0.5	0.16	a_	Ml	1.8
NEST	0.43	133.0	AMd	10:32:12.311						___		0.0	41.48	a_	Md	2.5
LSK	0.56	184.0	Sg	10:31:41.824	-0.1					___				m_		7671
LSK	0.56	184.0	Pg	10:31:33.192	-0.3					___				m_		7670
LSK	0.56	184.0	AMl	10:31:43.078						___		1.6	0.56	a_	Ml	2.6
LSK	0.56	184.0	AMl	10:31:43.598						___		0.8	0.30	a_	Ml	2.3
LSK	0.56	184.0	AMd	10:32:19.559						___		0.0	46.37	a_	Md	2.7
FNA	0.57	82.0	Sg	10:31:42.370	-0.2					___				m_		7673
FNA	0.57	82.0	Pg	10:31:33.909	0.1					___				mc_		7672
FNA	0.57	82.0	AMl	10:31:44.858						___		0.4	0.44	a_	Ml	2.0
SRN	0.96	211.0	Sg	10:31:55.716	-0.4					___				m_		7675
SRN	0.96	211.0	Pg	10:31:42.234	0.6					___				m_		7674
PHP	0.99	352.0	Sg	10:31:55.863	0.1					___				m_		7677
PHP	0.99	352.0	Pg	10:31:42.227	0.8					___				m_		7676
IGT	1.20	192.0	Sn	10:32:03.352	0.4					___				m_		7679
IGT	1.20	192.0	Pn	10:31:46.627	1.1					___				m_		7678

DATA_TYPE COMMENT GSE2.1
Event 472

Official Magnitude:
Ml 2.41

Error ellipse:

	Azim	Dip	Mag
Max:	106	63	1.9800
Intermediate:	296	26	0.6600
Min:	204	4	0.4900

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180010 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 473 1.4 km from Zagradishtë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/08	11:18:01.34		0.25	40.6147	20.7068				14.9	1.0	10	32	142	0.06	1.55	m	
513																	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.9	0.0	4	513
Md	2.4	0.0	1	513

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
KBN	0.05	0.0	Pg	11:18:03.728	0.0					___				mc_		7692	
KBN	0.06	81.0	Sg	11:18:05.961	0.2					___				m_		7681	
KBN	0.06	81.0	AMl	11:18:06.418						___		9.4	0.30	a_	Ml	2.8	4418
NEST	0.33	127.0	Sg	11:18:13.806	-0.0					___				m_		7683	
NEST	0.33	127.0	Pg	11:18:08.066	-0.4					___				mc_		7682	
NEST	0.33	127.0	AMl	11:18:16.028						___		0.3	0.16	a_	Ml	1.6	4419
LSK	0.47	191.0	Sg	11:18:18.257	0.1					___				m_		7685	
LSK	0.47	191.0	Pg	11:18:10.533	-0.5					___				m_		7684	
LSK	0.47	191.0	AMl	11:18:20.888						___		0.6	0.26	a_	Ml	2.0	4420
LSK	0.47	191.0	AMd	11:18:44.220						___		0.0	33.69	a_	Md	2.4	4417
FNA	0.54	71.0	Sg	11:18:20.839	0.2					___				m_		7687	
FNA	0.54	71.0	Pg	11:18:12.475	0.1					___				m_		7686	
FNA	0.54	71.0	AMl	11:18:23.138						___		0.2	0.26	a_	Ml	1.7	4421
PHP	1.09	350.0	P	11:18:21.548	-0.6					___				m_		7688	
IGT	1.12	196.0	Sn	11:18:39.631	0.3					___				m_		7690	
IGT	1.12	196.0	Pn	11:18:25.700	2.7					___				m_		7689	
PUK	1.55	338.0	P	11:18:30.700	0.1					___				m_		7691	

DATA_TYPE COMMENT GSE2.1

Event 473

Official Magnitude:

Ml 1.86

Error ellipse:

	Azim	Dip	Mag
Max:	103	57	1.2000
Intermediate:	310	29	0.7600
Min:	213	12	0.5400

BEGIN GSE2.1

MSG_TYPE DATA

MSG_ID 1556180010 athena

DATA_TYPE BULLETIN GSE2.1:SHORT

Event 474 0.9 km from Damjanec, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/08	11:42:03.81		0.07	40.6555	20.6738				16.5	0.8	6	32	249	0.09	0.55	m	514

Magnitude	Err	Nsta	Author	OrigID
Ml	1.6	0.0	4	514
Md	2.5	0.0	1	514

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.10	0.0	Pg	11:42:07.094	0.0											7700
KBN	0.09	110.0	Sg	11:42:09.166	-0.0											7693
KBN	0.09	110.0	AMl	11:42:09.800								4.9	0.42	a__	Ml	2.6
NEST	0.37	129.0	Sg	11:42:17.907	0.1											7695
NEST	0.37	129.0	Pg	11:42:11.539	-0.3											7694
NEST	0.37	129.0	AMl	11:42:20.630								0.2	0.32	a__	Ml	1.4
LSK	0.51	187.0	Sg	11:42:21.872	-0.1											7697
LSK	0.51	187.0	Pg	11:42:14.176	0.0											7696
LSK	0.51	187.0	AMl	11:42:25.500								0.2	0.20	a__	Ml	1.5
LSK	0.51	187.0	AMd	11:42:52.137								0.0	37.96	a__	Md	2.5
FNA	0.55	76.0	Sg	11:42:23.527	-0.1											7699
FNA	0.55	76.0	Pg	11:42:15.242	0.1											7698
FNA	0.55	76.0	AMl	11:42:26.720								0.2	0.20	a__	Ml	1.7

DATA_TYPE COMMENT GSE2.1

Event 474

Official Magnitude:

Ml 1.61

Error ellipse:

	Azim	Dip	Mag
Max:	130	21	1.1100
Intermediate:	323	68	0.8500
Min:	222	5	0.4200

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180010 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 475 0.6 km from Vinçan, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/08	11:48:06.26		0.14	40.6412	20.6945				18.5	0.9	7	6	245	0.07	0.54	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.6	0.0	4	515
Md	2.2	0.0	3	515

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
KBN	0.07	103.0	Sg	11:48:11.731	-0.1					---				m_		7702	
KBN	0.07	103.0	Pg	11:48:09.592	0.2					---				m_		7701	
KBN	0.07	103.0	AMl	11:48:12.280						---		4.9	0.32	a_	Ml	2.6	4431
KBN	0.07	103.0	AMl	11:48:12.390						---		2.4	0.30	a_	Ml	2.3	4430
KBN	0.07	103.0	AMd	11:48:23.198						---		0.0	13.61	a_	Md	1.4	4427
NEST	0.35	0.0	Pg	11:48:13.990	0.0					---				m_		7708	
NEST	0.35	129.0	Sg	11:48:19.725	-0.1					---				m_		7703	
NEST	0.35	129.0	AMl	11:48:23.010						---		0.2	0.26	a_	Ml	1.3	4433
NEST	0.35	129.0	AMl	11:48:20.710						---		0.2	0.36	a_	Ml	1.4	4432
LSK	0.50	189.0	Sg	11:48:24.277	0.2					---				m_		7705	
LSK	0.50	189.0	Pg	11:48:16.239	-0.2					---				m_		7704	
LSK	0.50	189.0	AMl	11:48:25.630						---		0.2	0.28	a_	Ml	1.6	4434
LSK	0.50	189.0	AMd	11:48:47.454						---		0.0	31.21	a_	Md	2.3	4428
FNA	0.54	74.0	Sg	11:48:25.946	0.1					---				m_		7707	
FNA	0.54	74.0	Pg	11:48:17.308	-0.1					---				m_		7706	
FNA	0.54	74.0	AMl	11:48:28.520						---		0.2	0.22	a_	Ml	1.7	4435
FNA	0.54	74.0	AMd	11:48:46.944						---		0.0	29.64	a_	Md	2.2	4429

DATA_TYPE COMMENT GSE2.1
Event 475

Official Magnitude:
Ml 1.62

Error ellipse:

	Azim	Dip	Mag
Max:	309	20	1.1600
Intermediate:	124	69	0.9600
Min:	218	2	0.5300

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180010 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 476 1.3 km from Radanj, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/08	19:46:43.27		0.06	40.2073	20.6322				4.2	0.5	7	7	167	0.06	0.81	m	
OrigID 516																	

Magnitude	Err	Nsta	Author	OrigID
Md	2.3	0.0	1	516
Ml	1.6	0.0	3	516

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
LSK	0.06	205.0	Sg	19:46:46.063	0.1									m		7710	
LSK	0.06	205.0	Pg	19:46:44.702	-0.1									m		7709	
LSK	0.06	205.0	AMd	19:47:16.569								0.0	31.87	a	Md	2.3	4436
LSK	0.06	205.0	AMl	19:46:46.610								4.6	0.20	a	Ml	2.2	4438
LSK	0.06	205.0	AMl	19:46:46.360								2.6	0.18	a	Ml	1.9	4437
NEST	0.36	0.0	Pg	19:46:51.150	0.0									m		7717	
NEST	0.38	56.0	Sg	19:46:56.954	-0.4									m		7711	
NEST	0.38	56.0	AMl	19:46:59.660								0.1	0.20	a	Ml	0.8	4439
SRN	0.58	237.0	Sg	19:47:04.852	0.0									m		7712	
IGT	0.71	200.0	Sg	19:47:08.512	0.0									m		7714	
IGT	0.71	200.0	Pg	19:46:57.681	-0.0									m		7713	
FNA	0.81	44.0	Sg	19:47:11.782	0.0									m		7716	
FNA	0.81	44.0	Pg	19:46:59.525	-0.0									m		7715	
FNA	0.81	44.0	AMl	19:47:14.810								0.0	0.34	a	Ml	1.2	4440

DATA_TYPE COMMENT GSE2.1
Event 476

Official Magnitude:
Ml 1.59

Error ellipse:

	Azim	Dip	Mag
Max:	130	12	1.1500
Intermediate:	264	71	0.5400
Min:	37	13	0.2600

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556180010 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 477 1.5 km from Letovisht, Gjirokastër, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/09	02:19:56.44		0.14	40.0600	20.2152				7.8	1.6	10	31	187	0.24	2.00	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.5	0.0	3	517
Md	2.2	0.0	2	517

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
SRN	0.24	223.0	Sg	02:20:06.391	0.0									m		7719
SRN	0.24	223.0	Pg	02:20:02.022	-0.1									mc		7718
SRN	0.24	223.0	AMl	02:20:07.590								0.3	0.36	a	Ml	1.5
SRN	0.24	223.0	AMl	02:20:09.180								0.2	0.46	a	Ml	1.3
SRN	0.24	223.0	AMd	02:20:24.982								0.0	22.96	a	Md	1.9
LSK	0.31	72.0	Sg	02:20:07.543	-0.1									m		7721
LSK	0.31	72.0	Pg	02:20:02.618	-0.2									md		7720
LSK	0.31	72.0	AMl	02:20:10.760								0.4	0.46	a	Ml	1.6
LSK	0.31	72.0	AMd	02:20:42.492								0.0	39.87	a	Md	2.5
IGT	0.54	170.0	Sg	02:20:15.404	-0.0									m		7723
IGT	0.54	170.0	Pg	02:20:07.596	0.3									mc		7722
NEST	0.73	60.0	Sg	02:20:22.050	0.1									m		7725
NEST	0.73	60.0	Pg	02:20:11.377	0.4									m		7724
FNA	1.15	50.0	Sg	02:20:36.513	0.6									m		7727
FNA	1.15	50.0	Pg	02:20:18.995	-0.0									m		7726
LKD2	1.31	164.0	Sn	02:20:41.200	-0.0									m		7729
LKD2	1.31	164.0	Pn	02:20:22.564	0.5									m		7728
LKD2	1.31	164.0	AMl	02:20:44.090								0.1	0.68	a	Ml	2.0
PUK	2.00	0.0	Pn	02:20:37.644	0.0									m		7730

DATA_TYPE COMMENT GSE2.1
 Event 477

Official Magnitude:
 Ml 1.54

Error ellipse:

	Azim	Dip	Mag
Max:	317	73	1.7100
Intermediate:	130	16	0.6000

Min: 221 2 0.2600

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180009 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 478 1.4 km from Plan, Lezhë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/09	05:48:23.38		0.21	41.9802	20.1450				18.1	0.9	16	31	149	0.20	1.71	m	

Magnitude	Err	Nsta	Author	OrigID
Md	2.4	0.0	3	518
Ml	2.3	0.0	4	518

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
PUK	0.20	289.0	Sg	05:48:32.026	-0.1									m__		7732	
PUK	0.20	289.0	Pg	05:48:28.508	0.1									mc__		7731	
PUK	0.20	289.0	AMd	05:49:03.669								0.0	35.16	a__	Md	2.4	4447
PUK	0.20	289.0	AMl	05:48:33.440								2.1	0.28	a__	Ml	2.3	4450
PHP	0.37	143.0	Sg	05:48:36.830	-0.1									m__		7734	
PHP	0.37	143.0	Pg	05:48:30.628	-0.5									md__		7733	
PHP	0.37	143.0	AMd	05:48:57.805								0.0	27.18	a__	Md	2.1	4448
PHP	0.37	143.0	AMl	05:48:38.000								0.6	0.18	a__	Ml	1.9	4451
BCI	0.39	352.0	Sg	05:48:37.887	0.0									m__		7736	
BCI	0.39	352.0	Pg	05:48:31.771	0.1									m__		7735	
BCI	0.39	352.0	AMd	05:49:09.436								0.0	37.67	a__	Md	2.5	4449
BCI	0.39	352.0	AMl	05:48:40.600								1.5	0.24	a__	Ml	2.3	4452
PVY	0.63	349.0	Pg	05:48:36.318	0.2									md__		7737	
TIR	0.67	199.0	Sg	05:48:47.090	0.2									m__		7739	
TIR	0.67	199.0	Pg	05:48:35.804	-1.0									m__		7738	
ULC	0.67	0.0	Pg	05:48:36.965	0.0									m__		7750	
DRME	0.74	287.0	Pg	05:48:37.971	-0.2									mc__		7740	
BEY	0.91	349.0	Pg	05:48:41.396	0.3									m__		7741	
BUM	0.98	290.0	Pg	05:48:42.749	0.3									mc__		7742	
KOME	0.99	333.0	P	05:48:42.245	-0.3									m__		7743	
CEME	1.07	303.0	Pg	05:48:43.757	-0.3									mc__		7744	
HCY	1.32	292.0	P	05:48:48.267	-0.1									m__		7745	
FNA	1.52	141.0	Sg	05:49:11.808	-1.6									m__		7747	
FNA	1.52	141.0	Pg	05:48:51.930	-0.0									m__		7746	
FNA	1.52	141.0	AMl	05:49:16.480								0.1	0.42	a__	Ml	2.3	4453
NEST	1.71	156.0	Sn	05:49:19.376	0.1									m__		7749	
NEST	1.71	156.0	Pn	05:48:56.237	0.9									m__		7748	

DATA_TYPE COMMENT GSE2.1

Event 478

Official Magnitude:

Ml 2.30

Error ellipse:

	Azim	Dip	Mag
Max:	264	80	0.8800
Intermediate:	63	9	0.7300
Min:	154	4	0.3700

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556180009 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 480 0.2 km from Zall-Dardhë, Dibër, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/09	06:51:10.25		0.10	41.8073	20.3333				6.6	13.2	5	31	165	0.14	0.59	m	
OrigID 520																	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.3	0.0	3	520
Md	1.6	0.0	2	520

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
PHP	0.15	146.0	Sg	06:51:15.808	0.1					---					m	7764	
PHP	0.15	146.0	Pg	06:51:13.288	-0.1					---					m	7763	
PHP	0.15	146.0	AMl	06:51:17.410						---		0.1	0.14	a	Ml	0.8	4464
PHP	0.15	146.0	AMd	06:51:26.250						---		0.0	12.96	a	Md	1.4	4462
PUK	0.40	0.0	Pg	06:51:18.625	0.0					---					m	7768	
PUK	0.40	306.0	Sg	06:51:24.636	-0.0					---					m	7765	
PUK	0.40	306.0	AMl	06:51:27.460						---		0.1	0.16	a	Ml	1.1	4465
BCI	0.59	341.0	Sg	06:51:30.827	-0.1					---					m	7767	
BCI	0.59	341.0	Pg	06:51:22.254	0.2					---					m	7766	
BCI	0.59	341.0	AMl	06:51:32.470						---		0.1	0.26	a	Ml	1.5	4467
BCI	0.59	341.0	AMl	06:51:32.840						---		0.1	0.24	a	Ml	1.4	4466
BCI	0.59	341.0	AMd	06:51:42.171						---		0.0	19.92	a	Md	1.8	4463

DATA_TYPE COMMENT GSE2.1
 Event 480

Official Magnitude:

Ml 1.25

Error ellipse:

	Azim	Dip	Mag
Max:	188	86	13.1700
Intermediate:	55	2	1.2900
Min:	325	3	0.3100

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180009 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 482 1.6 km from Zall-Xhuxhë, Lezhë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/09	12:24:19.08		0.05	41.9550	20.1797				4.3	1.0	14	13	152	0.23	2.42	m	
OrigID 522																	

Magnitude	Err	Nsta	Author	OrigID
Ml	3.4	0.0	8	522
Md	2.6	0.0	8	522

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
PUK	0.23	293.0	S	12:24:27.965	0.0									m		7776	
PUK	0.23	293.0	P	12:24:24.116	-0.0									m		7775	
PUK	0.23	293.0	AMl	12:24:29.080								73.3	0.32	a	Ml	3.8	4481
PUK	0.23	293.0	AMd	12:24:40.817								0.0	16.70	a	Md	1.6	4473
PHP	0.33	144.0	S	12:24:31.119	0.1									m		7778	
PHP	0.33	144.0	P	12:24:25.955	0.0									m		7777	
PHP	0.33	144.0	AMl	12:24:32.070								20.9	0.36	a	Ml	3.4	4482
PHP	0.33	144.0	AMd	12:24:56.856								0.0	30.90	a	Md	2.3	4474
BCI	0.42	349.0	S	12:24:34.284	0.0									m		7780	
BCI	0.42	349.0	P	12:24:27.367	-0.4									m		7779	
BCI	0.42	349.0	AMl	12:24:36.390								28.4	0.38	a	Ml	3.6	4483
BCI	0.42	349.0	AMd	12:25:00.898								0.0	33.53	a	Md	2.4	4475
TIR	0.65	202.0	S	12:24:42.276	0.1									m		7782	
TIR	0.65	202.0	P	12:24:32.290	0.0									m		7781	
TIR	0.65	202.0	AMl	12:24:43.130								1.4	0.24	a	Ml	2.6	4484
TIR	0.65	202.0	AMd	12:25:13.049								0.0	40.76	a	Md	2.6	4476
KBN	1.41	160.0	S	12:25:06.447	0.0									m		7784	
KBN	1.41	160.0	P	12:24:46.136	0.0									m		7783	
KBN	1.41	160.0	AMl	12:25:14.010								1.2	0.56	a	Ml	3.2	4485
KBN	1.41	160.0	AMd	12:25:37.949								0.0	51.81	a	Md	2.9	4477
FNA	1.48	0.0	P	12:24:47.062	0.0									m		7792	
FNA	1.48	141.0	S	12:25:09.596	0.0									m		7785	
FNA	1.48	141.0	AMl	12:25:15.700								3.1	0.78	a	Ml	3.6	4486
NEST	1.67	156.0	S	12:25:15.516	0.0									m		7787	
NEST	1.67	156.0	P	12:24:49.499	-1.8									m		7786	
NEST	1.67	156.0	AMl	12:25:20.500								1.1	0.64	a	Ml	3.3	4487

NEST	1.67	156.0	AMd	12:25:44.001	---	0.0	54.50	a	Md	2.9	4478
LSK	1.83	169.0	S	12:25:20.120	-0.1	---	---	m	---	---	7789
LSK	1.83	169.0	P	12:24:53.847	-0.1	---	---	m	---	---	7788
LSK	1.83	169.0	AMl	12:25:26.830	---	1.2	0.72	a	Ml	3.5	4488
LSK	1.83	169.0	AMd	12:26:05.569	---	0.0	71.72	a	Md	3.2	4479
IGT	2.42	177.0	S	12:25:36.376	-0.1	---	---	m	---	---	7791
IGT	2.42	177.0	P	12:25:01.175	-2.1	---	---	m	---	---	7790
IGT	2.42	177.0	AMd	12:26:11.859	---	0.0	70.68	a	Md	2.6	4480

DATA_TYPE COMMENT GSE2.1
Event 482

Official Magnitude:
Ml 3.41

Error ellipse:

	Azim	Dip	Mag
Max:	333	84	0.9600
Intermediate:	57	0	0.4800
Min:	147	6	0.2200

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180009 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 484 1.6 km from Mëxixë, Elbasan, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/10	06:46:27.42		0.07	41.3303	20.2573				16.9	1.1	10	32	128	0.30	1.57	m	
524																	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.7	0.0	4	524
Md	2.2	0.0	2	524

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
TIR	0.29	0.0	Pg	06:46:34.137	0.0	---	---	---	---	---	---	---	---	m	---	7820	
TIR	0.30	274.0	S	06:46:39.033	-0.0	---	---	---	---	---	---	---	---	m	---	7809	
TIR	0.30	274.0	AMl	06:46:38.460	---	---	---	---	---	---	---	0.4	0.18	a	Ml	1.7	4500
PHP	0.38	21.0	Sn	06:46:41.152	-0.0	---	---	---	---	---	---	---	---	m	---	7811	
PHP	0.38	21.0	Pg	06:46:35.297	0.0	---	---	---	---	---	---	---	---	m	---	7810	
PHP	0.38	21.0	AMl	06:46:43.510	---	---	---	---	---	---	---	0.1	0.12	a	Ml	0.9	4502
PHP	0.38	21.0	AMl	06:46:42.410	---	---	---	---	---	---	---	0.3	0.32	a	Ml	1.7	4501
PHP	0.38	21.0	AMd	06:47:01.021	---	---	---	---	---	---	---	0.0	25.72	a	Md	2.1	4498
PUK	0.76	340.0	Sg	06:46:53.606	-0.2	---	---	---	---	---	---	---	---	m	---	7813	
PUK	0.76	340.0	Pg	06:46:42.619	0.1	---	---	---	---	---	---	---	---	m	---	7812	

PUK	0.76	340.0	AMl	06:46:54.970	___	0.0	0.20	a__	Ml	1.2	4503	
PUK	0.76	340.0	AMd	06:47:17.417	___	0.0	34.80	a__	Md	2.4	4499	
ULC	0.98	311.0	Pg	06:46:51.003	4.4	___		m__			7814	
FNA	1.01	122.0	Sn	06:47:01.829	-0.1	___		m__			7816	
FNA	1.01	122.0	P	06:46:47.081	-0.0	___		m__			7815	
FNA	1.01	122.0	AMl	06:47:03.710		___	0.1	0.54	a__	Ml	1.7	4504
NEST	1.09	146.0	Sn	06:47:04.433	0.0	___		m__			7817	
DRME	1.17	318.0	P	06:46:49.712	-0.2	___		m__			7818	
CEME	1.57	322.0	P	06:46:57.085	0.0	___		m__			7819	

DATA_TYPE COMMENT GSE2.1
Event 484

Official Magnitude:
Ml 1.65

Error ellipse:

	Azim	Dip	Mag
Max:	322	73	1.1300
Intermediate:	49	0	0.4300
Min:	139	17	0.2600

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180008 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 486 3.6 km from Fterë, Vlorë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/11	12:28:25.82		0.15	40.1057	19.9348				1.2	1.1	13	32	103	0.23	1.93	m	527

Magnitude	Err	Nsta	Author	OrigID
Ml	1.8	0.0	5	527
Md	2.2	0.0	1	527

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
SRN	0.23	167.0	Sg	12:28:35.490	-0.2					___				m__		7849	
SRN	0.23	167.0	Pg	12:28:30.779	-0.7					___				m__		7848	
SRN	0.23	167.0	AMl	12:28:38.450						___		0.8	0.38	a__	Ml	1.8	4519
SRN	0.23	167.0	AMd	12:29:01.431						___		0.0	30.65	a__	Md	2.2	4518
LSK	0.50	0.0	Pg	12:28:35.159	0.0					___				m__		7864	
LSK	0.51	84.0	Sg	12:28:44.439	-0.1					___				m__		7850	
IGT	0.65	151.0	Sg	12:28:49.479	0.1					___				m__		7852	
IGT	0.65	151.0	Pg	12:28:39.397	0.1					___				m__		7851	
IGT	0.65	151.0	AMl	12:28:53.650						___		0.1	0.44	a__	Ml	1.6	4520

NEST	0.91	69.0	Sg	12:28:57.972	-0.1	---	---	---	---	---	---	---	---	---	---	m	---	7854
NEST	0.91	69.0	Pg	12:28:43.202	-1.0	---	---	---	---	---	---	---	---	---	---	m	---	7853
NEST	0.91	69.0	AMl	12:29:03.720		---	---	---	---	0.1	0.46	a	Ml	1.5	---	---	4521	
SCTE	1.13	270.0	Sg	12:29:05.176	-0.2	---	---	---	---	---	---	---	---	---	m	---	7856	
SCTE	1.13	270.0	Pg	12:28:48.430	0.0	---	---	---	---	---	---	---	---	---	m	---	7855	
FNA	1.30	58.0	Sn	12:29:10.992	-0.1	---	---	---	---	---	---	---	---	---	m	---	7858	
FNA	1.30	58.0	Pn	12:28:51.565	-0.1	---	---	---	---	---	---	---	---	---	m	---	7857	
FNA	1.30	58.0	AMl	12:29:16.380		---	---	---	---	0.2	0.58	a	Ml	2.2	---	---	4522	
LKD2	1.43	156.0	Sn	12:29:15.430	0.1	---	---	---	---	---	---	---	---	---	m	---	7860	
LKD2	1.43	156.0	Pn	12:28:54.417	0.3	---	---	---	---	---	---	---	---	---	m	---	7859	
LKD2	1.43	156.0	AMl	12:29:19.060		---	---	---	---	0.2	0.44	a	Ml	2.3	---	---	4523	
PHP	1.62	13.0	Sn	12:29:21.170	0.3	---	---	---	---	---	---	---	---	---	m	---	7862	
PHP	1.62	13.0	Pn	12:28:57.188	-0.1	---	---	---	---	---	---	---	---	---	m	---	7861	
PUK	1.93	0.0	Pn	12:29:01.887	-1.1	---	---	---	---	---	---	---	---	---	m	---	7863	

DATA_TYPE COMMENT GSE2.1
Event 486

Official Magnitude:
Ml 1.84

Error ellipse:

	Azim	Dip	Mag
Max:	262	85	1.1300
Intermediate:	113	4	0.3400
Min:	23	3	0.3000

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180008 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 489 0.9 km from Krahësi i Sipërm, Gjirokastër, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/12	06:41:41.40		0.35	40.4533	19.8762				1.5	1.4	24	23	86	0.29	2.90	m	
530																	

Magnitude	Err	Nsta	Author	OrigID
Ml	3.0	0.0	10	530
Md	2.9	0.0	3	530

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
VLO	0.29	274.0	Sg	06:41:51.459	-0.1					---				m		7892	
VLO	0.29	274.0	Pg	06:41:47.154	-0.1					---				mdi		7891	
VLO	0.29	274.0	AMl	06:41:55.980						---		27.9	0.18	a	Ml	3.4	4543
VLO	0.29	274.0	AMd	06:42:46.136						---		0.0	58.98	a	Md	2.9	4540

BPA1	0.32	329.0	Sg	06:41:53.665	-0.2	---	m	---	7894
BPA1	0.32	329.0	Pg	06:41:49.174	0.7	---	mdi	---	7893
BPA1	0.32	329.0	AM1	06:42:02.840		---	7.1	0.60 a	M1 2.9 4544
BPA1	0.32	329.0	AMd	06:42:35.160		---	0.0	45.99 a	Md 2.7 4541
BPA2	0.34	325.0	Sg	06:41:54.439	-0.1	---	m	---	7895
SRN	0.58	170.0	Sg	06:42:03.292	-0.0	---	m	---	7897
SRN	0.58	170.0	Pg	06:41:53.174	-0.7	---	mce	---	7896
SRN	0.58	170.0	AM1	06:42:03.370		---	1.0	0.48 a	M1 2.4 4545
SRN	0.58	170.0	AMd	06:42:56.340		---	0.0	63.17 a	Md 3.0 4542
TIR	0.89	0.0	P	06:42:00.857	0.0	---	m	---	7918
TIR	0.89	0.0	S	06:42:13.081	-0.1	---	m	---	7898
TIR	0.89	0.0	AM1	06:42:21.800		---	1.1	0.54 a	M1 2.8 4546
IGT	0.98	159.0	S	06:42:16.123	-0.0	---	m	---	7900
IGT	0.98	159.0	P	06:42:01.598	0.3	---	m	---	7899
IGT	0.98	159.0	AM1	06:42:24.100		---	1.2	0.34 a	M1 2.8 4547
SCTE	1.14	252.0	S	06:42:21.836	0.5	---	m	---	7902
SCTE	1.14	252.0	P	06:42:04.164	-0.1	---	m	---	7901
SCTE	1.14	252.0	AM1	06:42:22.440		---	3.1	0.34 a	M1 3.4 4548
FNA	1.19	73.0	S	06:42:23.310	0.2	---	m	---	7904
FNA	1.19	73.0	P	06:42:05.331	0.1	---	m	---	7903
FNA	1.19	73.0	AM1	06:42:34.380		---	0.6	0.38 a	M1 2.7 4549
PUK	1.59	0.0	S	06:42:35.438	-0.1	---	m	---	7906
PUK	1.59	0.0	P	06:42:12.911	0.6	---	m	---	7905
PUK	1.59	0.0	AM1	06:42:41.760		---	0.7	0.36 a	M1 3.1 4550
LKD2	1.77	159.0	S	06:42:41.619	0.3	---	m	---	7908
LKD2	1.77	159.0	P	06:42:15.377	-0.3	---	m	---	7907
LKD2	1.77	159.0	AM1	06:42:42.590		---	1.1	0.60 a	M1 3.4 4551
DRME	1.81	344.0	P	06:42:14.876	-1.5	---	m	---	7909
BCI	1.92	4.0	S	06:42:45.753	-0.1	---	m	---	7911
BCI	1.92	4.0	P	06:42:18.190	-0.0	---	m	---	7910
BCI	1.92	4.0	AM1	06:42:58.690		---	0.9	0.68 a	M1 3.4 4552
BUM	1.99	339.0	P	06:42:21.236	1.7	---	m	---	7912
CEME	2.21	342.0	P	06:42:19.948	-3.0	---	m	---	7913
KOME	2.41	354.0	P	06:42:24.939	-0.9	---	m	---	7914
NKME	2.41	344.0	P	06:42:30.454	4.6	---	m	---	7915
BEY	2.41	0.0	P	06:42:25.905	0.0	---	m	---	7916
PLE	2.90	354.0	P	06:42:31.620	-1.4	---	m	---	7917

DATA_TYPE COMMENT GSE2.1
Event 489

Official Magnitude:
M1 2.96

Error ellipse:

	Azim	Dip	Mag
Max:	253	84	1.4000
Intermediate:	73	5	0.5300
Min:	163	0	0.3800

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556180008 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 491 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/13	05:36:26.79		0.24	40.1148	19.6555				12.5	1.5	10	32	131	0.35	1.48	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.5	0.0	3	532
Md	2.4	0.0	1	532

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
SRN	0.35	131.0	Sg	05:36:40.550	-0.0									m		7930
SRN	0.35	131.0	Pg	05:36:34.243	-0.4									m		7929
SRN	0.35	131.0	AMl	05:36:41.630								0.2	0.24	a	Ml	1.4
SRN	0.35	131.0	AMl	05:36:42.560								0.2	0.26	a	Ml	1.4
SRN	0.35	131.0	AMd	05:37:10.787								0.0	36.54	a	Md	2.4
VLO	0.37	341.0	Sg	05:36:39.627	0.3									m		7932
VLO	0.37	341.0	Pg	05:36:33.752	-0.2									m		7931
VLO	0.37	341.0	AMl	05:36:46.970								1.3	0.32	a	Ml	2.2
LSK	0.72	86.0	Sg	05:36:50.549	-1.4									m		7934
LSK	0.72	86.0	Pg	05:36:40.055	-1.1									m		7933
IGT	0.78	138.0	Sg	05:36:54.264	0.2									m		7936
IGT	0.78	138.0	Pg	05:36:42.739	0.4									m		7935
IGT	0.78	138.0	AMl	05:37:02.880								0.1	0.44	a	Ml	1.5
SCTE	0.91	0.0	Sn	05:37:02.187	0.0									m		7941
SCTE	0.91	269.0	P	05:36:44.754	-0.1									m		7937
NEST	1.11	73.0	Sg	05:37:04.622	-0.0									m		7939
NEST	1.11	73.0	Pg	05:36:47.133	-1.3									m		7938
FNA	1.48	62.0	Pn	05:36:54.897	-0.1									m		7940

DATA_TYPE COMMENT GSE2.1
 Event 491

Official Magnitude:
 Ml 1.47

Error ellipse:

	Azim	Dip	Mag
Max:	230	72	1.6000
Intermediate:	51	17	0.7400
Min:	141	0	0.4100

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556180006 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 498 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/14	16:01:23.79		0.04	39.1982	20.7763				49.1	0.6	11	10	184	0.42	1.99	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	3.0	0.0	7	539
Md	3.3	0.0	6	539

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
LKD2	0.42	193.0	Sg	16:01:43.088	0.0					---				m		8069
LKD2	0.42	193.0	Pg	16:01:34.811	0.0					---				m		8068
LKD2	0.42	193.0	AMl	16:01:50.848						---		3.7	0.56	a	Ml	2.9
LKD2	0.42	193.0	AMd	16:02:35.717						---		0.0	60.91	a	Md	2.9
IGT	0.48	315.0	Sg	16:01:44.427	0.0					---				m		8071
IGT	0.48	315.0	Pg	16:01:35.572	-0.0					---				m		8070
IGT	0.48	315.0	AMl	16:01:48.038						---		3.4	0.26	a	Ml	2.9
IGT	0.48	315.0	AMd	16:02:27.809						---		0.0	52.24	a	Md	2.2
SRN	0.91	319.0	Sg	16:01:55.934	-0.0					---				m		8073
SRN	0.91	319.0	Pg	16:01:42.174	0.0					---				m		8072
SRN	0.91	319.0	AMl	16:02:01.688						---		1.0	0.50	a	Ml	2.8
SRN	0.91	319.0	AMd	16:02:57.014						---		0.0	74.84	a	Md	3.2
LSK	0.96	352.0	Sg	16:01:56.445	0.0					---				m		8075
LSK	0.96	352.0	Pg	16:01:41.276	-1.2					---				m		8074
LSK	0.96	352.0	AMl	16:02:04.098						---		2.9	0.92	a	Ml	3.3
LSK	0.96	352.0	AMd	16:03:10.604						---		0.0	89.33	a	Md	3.4
NEST	1.23	9.0	Sg	16:02:03.749	0.1					---				m		8077
NEST	1.23	9.0	Pg	16:01:46.561	-0.0					---				m		8076
NEST	1.23	9.0	AMl	16:02:11.158						---		0.9	0.36	a	Ml	3.0
NEST	1.23	9.0	AMd	16:03:14.864						---		0.0	88.30	a	Md	3.4
KBN	1.37	0.0	Pn	16:01:52.921	0.0					---				m		8081
KBN	1.42	0.0	Sn	16:02:14.066	6.3					---				m		8078
KBN	1.42	0.0	AMl	16:02:18.128						---		1.3	0.68	a	Ml	3.3
SCTE	1.99	297.0	Sn	16:02:23.173	0.1					---				m		8080
SCTE	1.99	297.0	Pn	16:01:57.584	-0.1					---				m		8079
SCTE	1.99	297.0	AMl	16:02:39.098						---		0.6	0.54	a	Ml	3.3
SCTE	1.99	297.0	AMd	16:03:41.435						---		0.0	103.85	a	Md	3.6

DATA_TYPE COMMENT GSE2.1
 Event 498

Official Magnitude:
M1 2.95

Error ellipse:

	Azim	Dip	Mag
Max:	229	48	0.8100
Intermediate:	107	25	0.6100
Min:	1	31	0.3400

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180006 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 500 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/15	02:30:09.00		0.29	39.7913	20.2387				6.4	1.9	16	20	119	0.21	2.26	m	
OrigID 541																	

Magnitude	Err	Nsta	Author	OrigID
M1	2.2	0.0	8	541

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
SRN	0.20	296.0	Sg	02:30:17.488	-0.1					___				m		8103	
SRN	0.20	296.0	Pg	02:30:13.632	-0.3					___				m		8102	
SRN	0.20	296.0	AM1	02:30:19.420						___		1.6	0.20	a	M1	2.1	4653
IGT	0.27	164.0	Sg	02:30:19.039	-0.1					___				m		8105	
IGT	0.27	164.0	Pg	02:30:14.498	-0.3					___				m		8104	
IGT	0.27	164.0	AM1	02:30:20.440						___		1.8	0.38	a	M1	2.2	4654
LSK	0.45	37.0	Sg	02:30:24.878	-0.1					___				m		8107	
LSK	0.45	37.0	Pg	02:30:18.172	0.0					___				m		8106	
LSK	0.45	37.0	AM1	02:30:29.280						___		0.5	0.40	a	M1	1.8	4655
NEST	0.88	44.0	Sg	02:30:35.081	-4.4					___				m		8109	
NEST	0.88	44.0	Pg	02:30:26.242	-0.2					___				m		8108	
NEST	0.88	44.0	AM1	02:30:44.510						___		0.1	0.36	a	M1	1.6	4656
VLO	0.88	321.0	Sg	02:30:40.350	1.9					___				m		8111	
VLO	0.88	321.0	Pg	02:30:28.613	2.8					___				m		8110	
VLO	0.88	321.0	AM1	02:30:49.690						___		0.5	0.22	a	M1	2.4	4657
KBN	0.93	26.0	Sg	02:30:40.350	-0.1					___				m		8113	
KBN	0.93	26.0	Pg	02:30:27.503	0.6					___				m		8112	
LKD2	1.05	161.0	Sn	02:30:45.440	0.2					___				m		8115	
LKD2	1.05	161.0	Pn	02:30:29.823	0.1					___				m		8114	
LKD2	1.05	161.0	AM1	02:30:50.250						___		0.4	0.34	a	M1	2.4	4658
FNA	1.32	41.0	Sn	02:30:53.695	-0.5					___				m		8117	
FNA	1.32	41.0	Pn	02:30:34.744	-0.1					___				m		8116	
FNA	1.32	41.0	AM1	02:31:05.470						___		0.1	0.72	a	M1	1.9	4659

SCTE	1.38	0.0	Pg	02:30:35.122	0.0	---										m		8121
SCTE	1.39	283.0	Sg	02:30:54.807	-1.5	---										m		8118
SCTE	1.39	283.0	AM1	02:31:03.150		---					0.7	1.22	a	M1			2.9	4660
PHP	1.90	4.0	Pn	02:30:45.124	0.4	---										m		8119
PUK	2.26	354.0	Pn	02:30:50.842	0.4	---										m		8120

DATA_TYPE COMMENT GSE2.1
Event 500

Official Magnitude:
M1 2.16

Error ellipse:

		Azim	Dip	Mag
Max:		208	84	1.9400
Intermediate:		92	2	0.6300
Min:		2	5	0.4200

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180006 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 501 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/15	02:30:09.00		0.29	39.7913	20.2387				6.4	1.9	16	20	119	0.21	2.26	m	
542																	

Magnitude	Err	Nsta	Author	OrigID
M1	2.2	0.0	8	542

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
SRN	0.20	296.0	Sg	02:30:17.488	-0.1											8123
SRN	0.20	296.0	Pg	02:30:13.632	-0.3											8122
SRN	0.20	296.0	AM1	02:30:19.420								1.6	0.20	a	M1	2.1
IGT	0.27	164.0	Sg	02:30:19.039	-0.1											8125
IGT	0.27	164.0	Pg	02:30:14.498	-0.3											8124
IGT	0.27	164.0	AM1	02:30:20.440								1.8	0.38	a	M1	2.2
LSK	0.45	37.0	Sg	02:30:24.878	-0.1											8127
LSK	0.45	37.0	Pg	02:30:18.172	0.0											8126
LSK	0.45	37.0	AM1	02:30:29.280								0.5	0.40	a	M1	1.8
NEST	0.88	44.0	Sg	02:30:35.081	-4.4											8129
NEST	0.88	44.0	Pg	02:30:26.242	-0.2											8128
NEST	0.88	44.0	AM1	02:30:44.510								0.1	0.36	a	M1	1.6
VLO	0.88	321.0	Sg	02:30:40.350	1.9											8131
VLO	0.88	321.0	Pg	02:30:28.613	2.8											8130

IGT	0.15	202.0	AMl	04:17:40.240	---	1.9	0.30	a__	Ml	2.3	4669
SRN	0.37	305.0	Sg	04:17:47.146	-0.0	---	---	m__	---	---	8145
SRN	0.37	305.0	Pg	04:17:40.845	0.1	---	---	m__	---	---	8144
SRN	0.37	305.0	AMl	04:17:48.680	---	0.1	0.32	a__	Ml	1.1	4670
LSK	0.51	17.0	Sg	04:17:50.409	-0.0	---	---	m__	---	---	8147
LSK	0.51	17.0	Pg	04:17:42.836	0.2	---	---	m__	---	---	8146
LSK	0.51	17.0	AMl	04:17:55.880	---	0.1	0.36	a__	Ml	1.4	4671

DATA_TYPE COMMENT GSE2.1
Event 502

Official Magnitude:
Ml 1.31

Error ellipse:

	Azim	Dip	Mag
Max:	0	90	13.5500
Intermediate:	280	0	0.6500
Min:	10	0	0.3300

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180005 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 507 0.3 km from Rrapëz-Fshat, Fier, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/17	06:08:14.14		0.19	40.8462	19.6337				20.1	20.4	17	15	173	0.40	1.55	m	
548																	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.1	0.0	10	548
Md	2.6	0.0	6	548

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
VLO	0.39	196.0	Sg	06:08:27.875	0.1				---	---	---			m__		8197	
VLO	0.39	196.0	Pg	06:08:22.019	0.1				---	---	---			m__		8196	
VLO	0.39	196.0	AMl	06:08:32.930					---	---	---	2.5	0.18	a__	Ml	2.5	4720
VLO	0.39	196.0	AMd	06:08:52.709					---	---	---	0.0	30.69	a__	Md	2.3	4714
TIR	0.53	0.0	Pg	06:08:24.522	0.0				---	---	---			m__		8217	
TIR	0.53	19.0	Sg	06:08:33.418	0.1				---	---	---			m__		8198	
TIR	0.53	19.0	AMl	06:08:33.920					---	---	---	0.3	0.44	a__	Ml	1.8	4721
KBN	0.90	103.0	Sg	06:08:44.207	0.1				---	---	---			m__		8200	
KBN	0.90	103.0	Pg	06:08:30.320	-1.0				---	---	---			m__		8199	
KBN	0.90	103.0	AMl	06:08:50.200					---	---	---	0.3	0.48	a__	Ml	2.2	4722
KBN	0.90	103.0	AMd	06:09:02.942					---	---	---	0.0	32.62	a__	Md	2.4	4715

SRN	1.00	163.0	Sg	06:08:48.369	-0.3	---			m			8202
SRN	1.00	163.0	Pg	06:08:33.987	0.1	---			m			8201
SRN	1.00	163.0	AMl	06:08:48.880		---	0.2	0.34	a	Ml	2.0	4723
SRN	1.00	163.0	AMd	06:09:15.711		---	0.0	41.72	a	Md	2.6	4716
LSK	1.01	133.0	S	06:08:48.286	0.2	---			m			8204
LSK	1.01	133.0	Pg	06:08:33.503	-0.0	---			m			8203
LSK	1.01	133.0	AMl	06:09:02.290		---	0.2	0.48	a	Ml	2.0	4724
LSK	1.01	133.0	AMd	06:09:23.528		---	0.0	50.03	a	Md	2.8	4717
PHP	1.04	35.0	Sg	06:08:48.575	0.1	---			m			8206
PHP	1.04	35.0	Pg	06:08:32.833	-0.9	---			m			8205
PHP	1.04	35.0	AMl	06:08:52.460		---	0.2	0.24	a	Ml	2.0	4725
PHP	1.04	35.0	AMd	06:09:13.624		---	0.0	40.79	a	Md	2.6	4718
NEST	1.16	111.0	Sg	06:08:52.919	0.0	---			m			8208
NEST	1.16	111.0	P	06:08:35.298	-1.0	---			m			8207
NEST	1.16	111.0	AMl	06:08:59.310		---	0.1	0.30	a	Ml	1.9	4726
PUK	1.21	9.0	Sg	06:08:54.426	0.2	---			m			8210
PUK	1.21	9.0	Pg	06:08:37.028	-0.0	---			m			8209
PUK	1.21	9.0	AMl	06:08:59.050		---	0.2	0.38	a	Ml	2.3	4727
FNA	1.33	92.0	Sg	06:08:57.962	-0.2	---			m			8212
FNA	1.33	92.0	P	06:08:37.591	-1.7	---			m			8211
FNA	1.33	92.0	AMl	06:08:59.600		---	0.5	0.46	a	Ml	2.7	4728
FNA	1.33	92.0	AMd	06:09:18.427		---	0.0	40.84	a	Md	2.6	4719
IGT	1.42	157.0	Sn	06:09:00.581	-0.3	---			m			8214
IGT	1.42	157.0	Pn	06:08:41.208	0.4	---			m			8213
BCI	1.55	11.0	Sn	06:09:04.694	-0.2	---			m			8216
BCI	1.55	11.0	Pn	06:08:42.819	-0.3	---			m			8215
BCI	1.55	11.0	AMl	06:09:07.600		---	0.3	0.54	a	Ml	2.6	4729

DATA_TYPE COMMENT GSE2.1
Event 507

Official Magnitude:
Ml 2.12

Error ellipse:

	Azim	Dip	Mag
Max:	0	90	20.3800
Intermediate:	270	0	0.5200
Min:	0	0	0.2700

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180005 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 509 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/17	18:00:06.43		0.33	40.0678	20.0285				16.6	2.5	9	9	218	0.19	1.26	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.2	0.0	4	550
Md	2.7	0.0	4	550

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
SRN	0.19	187.0	Sg	18:00:14.473	-1.1									m		8239
SRN	0.19	187.0	P	18:00:10.332	-1.3									m		8238
SRN	0.19	187.0	AMl	18:00:16.250								2.0	0.18	a	Ml	2.3
SRN	0.19	187.0	AMd	18:00:58.600								0.0	48.27	a	Md	2.7
LSK	0.45	79.0	Sg	18:00:22.740	0.2									m		8241
LSK	0.45	79.0	Pg	18:00:15.186	-0.4									m		8240
LSK	0.45	79.0	AMl	18:00:28.990								0.7	0.48	a	Ml	2.0
LSK	0.45	79.0	AMd	18:01:12.332								0.0	57.15	a	Md	2.9
IGT	0.58	156.0	Sg	18:00:27.303	0.1									m		8243
IGT	0.58	156.0	P	18:00:18.297	-0.0									m		8242
IGT	0.58	156.0	AMd	18:01:00.555								0.0	42.26	a	Md	2.0
KBN	0.80	45.0	S	18:00:33.978	0.4									m		8245
KBN	0.80	45.0	Pn	18:00:21.926	0.0									m		8244
KBN	0.80	45.0	AMl	18:00:45.760								0.2	0.62	a	Ml	2.0
FNA	1.26	54.0	Sg	18:00:47.854	-0.6									m		8247
FNA	1.26	54.0	Pg	18:00:30.716	0.3									m		8246
FNA	1.26	54.0	AMl	18:00:54.170								0.2	0.56	a	Ml	2.3
FNA	1.26	54.0	AMd	18:01:18.479								0.0	47.76	a	Md	2.8

DATA_TYPE COMMENT GSE2.1
Event 509

Official Magnitude:
Ml 2.15

Error ellipse:

	Azim	Dip	Mag
Max:	117	62	2.8000
Intermediate:	282	26	1.7900
Min:	15	6	0.6500

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180005 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 510 3.7 km from Bashaj, Vlorë, Albania

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2019/03/17 18:00:06.43 0.33 40.0678 20.0285 16.6 2.5 9 9 218 0.19 1.26 m
 551

Magnitude Err Nsta Author OrigID
 Ml 2.2 0.0 4 551
 Md 2.7 0.0 4 551

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
SRN	0.19	187.0	Sg	18:00:14.473	-1.1											8249
SRN	0.19	187.0	P	18:00:10.332	-1.3											8248
SRN	0.19	187.0	AMl	18:00:16.250								2.0	0.18	a__	Ml	2.3
SRN	0.19	187.0	AMd	18:00:58.600								0.0	48.27	a__	Md	2.7
LSK	0.45	79.0	Sg	18:00:22.740	0.2											8251
LSK	0.45	79.0	Pg	18:00:15.186	-0.4											8250
LSK	0.45	79.0	AMl	18:00:28.990								0.7	0.48	a__	Ml	2.0
LSK	0.45	79.0	AMd	18:01:12.332								0.0	57.15	a__	Md	2.9
IGT	0.58	156.0	Sg	18:00:27.303	0.1											8253
IGT	0.58	156.0	P	18:00:18.297	-0.0											8252
IGT	0.58	156.0	AMd	18:01:00.555								0.0	42.26	a__	Md	2.0
KBN	0.80	45.0	S	18:00:33.978	0.4											8255
KBN	0.80	45.0	Pn	18:00:21.926	0.0											8254
KBN	0.80	45.0	AMl	18:00:45.760								0.2	0.62	a__	Ml	2.0
FNA	1.26	54.0	Sg	18:00:47.854	-0.6											8257
FNA	1.26	54.0	Pg	18:00:30.716	0.3											8256
FNA	1.26	54.0	AMl	18:00:54.170								0.2	0.56	a__	Ml	2.3
FNA	1.26	54.0	AMd	18:01:18.479								0.0	47.76	a__	Md	2.8

DATA_TYPE COMMENT GSE2.1
 Event 510

Official Magnitude:
 Ml 2.15

Error ellipse:

	Azim	Dip	Mag
Max:	117	62	2.8000
Intermediate:	282	26	1.7900
Min:	15	6	0.6500

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556180005 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 511 0.5 km from Kolonjë, Fier, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/18	00:38:03.17		0.26	40.8225	19.6092				36.3	0.8	19	14	139	0.36	1.58	m	

Magnitude	Err	Nsta	Author	OrigID
Md	2.8	0.0	7	552
Ml	2.3	0.0	9	552

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
VLO	0.36	194.0	Sg	00:38:18.485	0.5									m		8259	
VLO	0.36	194.0	Pg	00:38:11.461	-0.2									m		8258	
VLO	0.36	194.0	AMd	00:38:59.124								0.0	47.66	a	Md	2.7	4764
VLO	0.36	194.0	AMl	00:38:24.820								2.7	0.18	a	Ml	2.6	4771
TIR	0.56	0.0	Pg	00:38:13.180	0.0									m		8279	
TIR	0.56	20.0	Sg	00:38:23.943	-0.4									m		8260	
TIR	0.56	20.0	AMl	00:38:23.710								0.2	0.18	a	Ml	1.8	4772
KBN	0.92	102.0	Sg	00:38:34.039	0.1									m		8262	
KBN	0.92	102.0	Pg	00:38:19.989	-0.8									m		8261	
KBN	0.92	102.0	AMd	00:39:01.002								0.0	41.01	a	Md	2.6	4765
KBN	0.92	102.0	AMl	00:38:37.310								0.2	0.46	a	Ml	2.0	4773
SRN	0.99	162.0	Sg	00:38:37.264	-0.2									m		8264	
SRN	0.99	162.0	Pg	00:38:22.963	0.2									m		8263	
SRN	0.99	162.0	AMd	00:39:12.753								0.0	49.79	a	Md	2.8	4766
SRN	0.99	162.0	AMl	00:38:38.710								0.2	0.66	a	Ml	2.1	4774
LSK	1.01	131.0	S	00:38:37.465	0.2									m		8266	
LSK	1.01	131.0	Pg	00:38:22.436	-0.2									m		8265	
LSK	1.01	131.0	AMd	00:39:15.128								0.0	52.69	a	Md	2.8	4767
LSK	1.01	131.0	AMl	00:38:44.940								0.3	0.54	a	Ml	2.3	4775
SCTE	1.14	230.0	S	00:38:41.192	-0.2									m		8268	
SCTE	1.14	230.0	P	00:38:25.053	0.1									m		8267	
NEST	1.17	109.0	Sg	00:38:42.167	0.2									m		8270	
NEST	1.17	109.0	Pg	00:38:24.078	-1.3									m		8269	
NEST	1.17	109.0	AMl	00:38:47.540								0.1	0.32	a	Ml	2.0	4776
PUK	1.24	9.0	Sg	00:38:44.011	0.3									m		8272	
PUK	1.24	9.0	Pg	00:38:26.178	-0.1									m		8271	
PUK	1.24	9.0	AMd	00:39:13.966								0.0	47.79	a	Md	2.8	4768
PUK	1.24	9.0	AMl	00:38:48.200								0.3	0.46	a	Ml	2.5	4777
FNA	1.35	91.0	Sg	00:38:46.312	-0.6									m		8274	
FNA	1.35	91.0	P	00:38:27.012	-1.2									m		8273	
FNA	1.35	91.0	AMd	00:39:14.575								0.0	47.56	a	Md	2.8	4769
FNA	1.35	91.0	AMl	00:38:48.580								0.5	0.36	a	Ml	2.8	4778
IGT	1.40	156.0	Sg	00:38:48.098	-0.4									m		8276	
IGT	1.40	156.0	Pg	00:38:29.398	0.4									m		8275	
IGT	1.40	156.0	AMd	00:39:17.536								0.0	48.14	a	Md	2.2	4770
BCI	1.58	12.0	Sn	00:38:53.214	0.1									m		8278	
BCI	1.58	12.0	P	00:38:31.773	0.0									m		8277	
BCI	1.58	12.0	AMl	00:38:56.780								0.2	0.60	a	Ml	2.5	4779

DATA_TYPE COMMENT GSE2.1

Event 511

Official Magnitude:

Ml 2.32

Error ellipse:

	Azim	Dip	Mag
Max:	144	75	0.8300
Intermediate:	267	8	0.5800
Min:	359	12	0.4000

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556180005 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 512 0.6 km from Bërzeshtë, Elbasan, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/18	13:50:33.82		0.28	41.0500	20.4490				11.6	1.2	16	10	122	0.49	2.26	m	
OrigID 553																	

Magnitude	Err	Nsta	Author	OrigID
Ml	3.2	0.0	7	553
Md	3.4	0.0	2	553

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.50	148.0	Sg	13:50:50.932	0.1											8281
KBN	0.50	148.0	Pg	13:50:43.799	0.3											8280
KBN	0.50	148.0	AMl	13:50:53.340								23.7	0.60	a__	Ml	3.6
KBN	0.50	148.0	AMd	13:52:14.566								0.0	90.77	a__	Md	3.4
TIR	0.53	0.0	Pg	13:50:43.302	0.0											8299
TIR	0.53	305.0	Sg	13:50:52.871	0.1											8282
TIR	0.53	305.0	AMl	13:50:56.500								2.8	0.62	a__	Ml	2.7
FNA	0.76	110.0	Sg	13:51:00.500	0.2											8284
FNA	0.76	110.0	Pg	13:50:48.874	-0.1											8283
FNA	0.76	110.0	AMl	13:51:07.780								6.0	0.38	a__	Ml	3.4
FNA	0.76	110.0	AMd	13:52:30.633								0.0	101.76	a__	Md	3.5
NEST	0.78	144.0	Sn	13:51:00.844	-0.3											8286
NEST	0.78	144.0	Pn	13:50:48.599	-0.8											8285
NEST	0.78	144.0	AMl	13:51:04.130								3.3	0.54	a__	Ml	3.1
LSK	0.91	172.0	Sn	13:51:05.099	0.1											8288
LSK	0.91	172.0	Pn	13:50:49.473	-2.2											8287
LSK	0.91	172.0	AMl	13:51:09.540								6.2	0.46	a__	Ml	3.5
PUK	1.08	338.0	Sn	13:51:10.788	0.2											8290
PUK	1.08	338.0	Pn	13:50:54.165	-0.6											8289
PUK	1.08	338.0	AMl	13:51:18.310								1.5	0.36	a__	Ml	3.0

SRN	1.22	197.0	Sn	13:51:15.728	-0.1	---	m	8292
SRN	1.22	197.0	Pn	13:50:56.598	-1.2	---	mde	8291
BCI	1.35	348.0	S	13:51:19.230	0.3	---	m	8294
BCI	1.35	348.0	P	13:50:59.245	-0.4	---	m	8293
IGT	1.52	184.0	S	13:51:24.452	-0.1	---	m	8296
IGT	1.52	184.0	Pn	13:51:03.265	0.5	---	mce	8295
IGT	1.52	184.0	AM1	13:51:28.350		---	1.1 1.04 a Ml 3.2	4788
LKD2	2.26	175.0	S	13:51:45.558	-0.0	---	m	8298
LKD2	2.26	175.0	P	13:51:13.314	-1.5	---	m	8297

DATA_TYPE COMMENT GSE2.1
Event 512

Official Magnitude:
Ml 3.19

Error ellipse:

	Azim	Dip	Mag
Max:	74	66	1.3200
Intermediate:	244	22	0.6800
Min:	335	4	0.3500

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180005 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 513 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/18	22:17:14.93		0.22	41.2987	20.0368				4.5	2.2	9	10	132	0.13	1.22	m	554

Magnitude	Err	Nsta	Author	OrigID
Ml	2.2	0.0	6	554
Md	2.7	0.0	5	554

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.13	0.0	Pg	22:17:17.994	0.0					---				m		8311
TIR	0.14	291.0	Sg	22:17:20.437	-0.1					---				m		8300
TIR	0.14	291.0	AM1	22:17:22.250						---		2.7	0.44	a Ml	2.2	4794
PUK	0.75	352.0	Sg	22:17:41.197	0.1					---				m		8302
PUK	0.75	352.0	Pg	22:17:29.795	-0.1					---				m		8301
PUK	0.75	352.0	AM1	22:17:42.730						---		0.9	0.28	a Ml	2.5	4795
PUK	0.75	352.0	AMd	22:18:11.468						---		0.0	41.67	a Md	2.6	4789
KBN	0.88	139.0	Sg	22:17:44.853	-0.1					---				m		8304
KBN	0.88	139.0	Pg	22:17:32.451	0.4					---				m		8303

KBN	0.88	139.0	AMl	22:17:50.280	---	0.2	0.40	a__	Ml	2.0	4796
KBN	0.88	139.0	AMd	22:18:12.607	---	0.0	40.16	a__	Md	2.6	4790
BCI	1.07	1.0	Sg	22:17:51.841	0.1	---	---	m__	---	---	8306
BCI	1.07	1.0	Pg	22:17:35.212	-0.8	---	---	m__	---	---	8305
BCI	1.07	1.0	AMl	22:17:53.670	---	0.5	0.42	a__	Ml	2.6	4797
BCI	1.07	1.0	AMd	22:18:29.640	---	0.0	54.43	a__	Md	2.9	4791
FNA	1.14	116.0	Sg	22:17:54.156	-0.3	---	---	m__	---	---	8308
FNA	1.14	116.0	Pg	22:17:36.729	-0.8	---	---	m__	---	---	8307
FNA	1.14	116.0	AMl	22:17:57.660	---	0.1	0.42	a__	Ml	1.9	4798
FNA	1.14	116.0	AMd	22:18:23.119	---	0.0	46.39	a__	Md	2.7	4792
LSK	1.22	159.0	Sg	22:17:56.837	-0.1	---	---	m__	---	---	8310
LSK	1.22	159.0	Pg	22:17:39.440	0.5	---	---	m__	---	---	8309
LSK	1.22	159.0	AMl	22:18:11.220	---	0.2	0.70	a__	Ml	2.2	4799
LSK	1.22	159.0	AMd	22:18:28.150	---	0.0	48.71	a__	Md	2.8	4793

DATA_TYPE COMMENT GSE2.1
Event 513

Official Magnitude:
Ml 2.22

Error ellipse:

	Azim	Dip	Mag
Max:	251	60	2.5100
Intermediate:	54	27	0.5800
Min:	148	7	0.3000

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180004 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 514 1.9 km from Çerem, Kukës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/19	17:43:00.38		0.04	42.4923	19.9840				4.1	0.8	9	13	318	0.14	2.22	m	
555																	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.4	0.0	4	555
Md	2.8	0.0	5	555

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
BCI	0.14	0.0	Pg	17:43:03.362	0.0					---				m__		8321	
BCI	0.14	153.0	Sg	17:43:05.869	-0.0					---				m__		8312	
BCI	0.14	153.0	AMl	17:43:06.310						---		18.6	0.16	a__	Ml	3.0	4805
PUK	0.45	189.0	Sg	17:43:16.661	-0.1					---				m__		8314	

PUK	0.45	189.0	Pg	17:43:09.753	0.0	---											m		8313
PUK	0.45	189.0	AMl	17:43:18.340		---				1.9	0.36	a	Ml	2.5					4806
PUK	0.45	189.0	AMd	17:43:49.139		---				0.0	39.39	a	Md	2.5					4800
PHP	0.88	156.0	Sg	17:43:30.561	0.0	---											m		8316
PHP	0.88	156.0	Pg	17:43:17.557	-0.1	---											m		8315
PHP	0.88	156.0	AMl	17:43:34.490		---				0.4	0.38	a	Ml	2.3					4807
PHP	0.88	156.0	AMd	17:44:09.841		---				0.0	52.28	a	Md	2.8					4801
TIR	1.15	185.0	Sn	17:43:40.160	0.0	---											m		8318
TIR	1.15	185.0	Pn	17:43:23.125	0.0	---											m		8317
TIR	1.15	185.0	AMl	17:43:45.630		---				0.1	0.38	a	Ml	1.9					4808
TIR	1.15	185.0	AMd	17:44:14.426		---				0.0	51.30	a	Md	2.8					4802
FNA	2.00	147.0	Pn	17:43:38.433	-0.0	---											m		8319
FNA	2.00	147.0	AMd	17:44:35.468		---				0.0	57.04	a	Md	3.0					4803
NEST	2.22	158.0	Pn	17:43:41.691	-0.0	---											m		8320
NEST	2.22	158.0	AMd	17:44:42.001		---				0.0	60.31	a	Md	3.1					4804

DATA_TYPE COMMENT GSE2.1
Event 514

Official Magnitude:
Ml 2.39

Error ellipse:

	Azim	Dip	Mag
Max:	100	47	1.1000
Intermediate:	200	9	0.7100
Min:	298	42	0.6300

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180004 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 515 1.7 km from Gorna Belica, Struga, Macedonia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/20	10:13:34.52		0.18	41.2345	20.5713				7.2	15.1	11	20	138	0.46	1.19	m	556

Magnitude	Err	Nsta	Author	OrigID
Ml	2.0	0.0	6	556
Md	2.4	0.0	1	556

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
PHP	0.46	348.0	Sg	10:13:50.729	0.2					---				m		8323	
PHP	0.46	348.0	Pg	10:13:43.311	-0.4					---				m		8322	
PHP	0.46	348.0	AMl	10:13:55.690						---		0.3	0.30	a	Ml	1.7	4810

TIR	0.55	0.0	Pg	10:13:45.084	0.0	---										m		8335
TIR	0.54	283.0	Sg	10:13:53.748	-0.1	---										m		8324
TIR	0.54	283.0	AMl	10:13:53.640		---				0.7	0.18	a	Ml	2.1			4811	
FNA	0.76	126.0	Sg	10:14:00.812	-0.4	---										m		8326
FNA	0.76	126.0	Pg	10:13:49.840	0.1	---										m		8325
FNA	0.76	126.0	AMl	10:14:05.570		---				0.6	0.26	a	Ml	2.4			4812	
NEST	0.90	155.0	Sn	10:14:05.705	0.2	---										m		8328
NEST	0.90	155.0	Pn	10:13:52.389	0.1	---										m		8327
NEST	0.90	155.0	AMl	10:14:08.060		---				0.1	0.72	a	Ml	1.9			4813	
PUK	0.95	329.0	Sg	10:14:07.270	-0.0	---										m		8330
PUK	0.95	329.0	Pg	10:13:53.362	0.1	---										m		8329
PUK	0.95	329.0	AMl	10:14:09.150		---				0.1	0.36	a	Ml	1.8			4814	
PUK	0.95	329.0	AMd	10:14:27.288		---				0.0	33.93	a	Md	2.4			4809	
LSK	1.08	178.0	Sg	10:14:09.901	-1.7	---										m		8332
LSK	1.08	178.0	P	10:13:55.583	-0.1	---										m		8331
BCI	1.19	342.0	Sn	10:14:15.172	-0.1	---										m		8334
BCI	1.19	342.0	Pn	10:13:58.856	1.1	---										m		8333
BCI	1.19	342.0	AMl	10:14:23.570		---				0.2	0.64	a	Ml	2.2			4815	

DATA_TYPE COMMENT GSE2.1
Event 515

Official Magnitude:
Ml 2.01

Error ellipse:

	Azim	Dip	Mag
Max:	343	89	15.1200
Intermediate:	59	0	0.7800
Min:	149	1	0.3100

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180004 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 517 2.5 km from Shalë, Vlorë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/20	23:10:45.69		0.29	40.2113	19.5525				8.3	1.7	14	31	114	0.26	1.98	m	558

Magnitude	Err	Nsta	Author	OrigID
Ml	1.9	0.0	6	558

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
VLO	0.26	0.0	Pg	23:10:49.250	0.0									m		8373

VLO	0.26	351.0	Sg	23:10:54.662	0.3	---											m		8357
VLO	0.26	351.0	AM1	23:10:56.260		---				5.5	0.26	a	M1		2.7		a		4823
SRN	0.48	133.0	Sg	23:11:03.519	0.1	---											m		8359
SRN	0.48	133.0	Pg	23:10:55.315	-0.5	---											m		8358
SRN	0.48	133.0	AM1	23:11:07.310		---				0.1	0.42	a	M1		1.3		a		4825
SRN	0.48	133.0	AM1	23:11:11.760		---				0.1	0.36	a	M1		1.3		a		4824
LSK	0.80	94.0	Sg	23:11:13.478	0.0	---											m		8361
LSK	0.80	94.0	Pg	23:11:00.866	-0.7	---											m		8360
LSK	0.80	94.0	AM1	23:11:17.170		---				0.2	0.78	a	M1		1.9		a		4826
SCTE	0.84	262.0	Sg	23:11:16.809	1.9	---											m		8363
SCTE	0.84	262.0	Pg	23:11:02.380	-0.0	---											m		8362
SCTE	0.84	262.0	AM1	23:11:22.500		---				0.2	0.48	a	M1		2.0		a		4827
IGT	0.90	138.0	Sg	23:11:17.419	0.4	---											m		8365
IGT	0.90	138.0	Pg	23:11:03.558	-0.1	---											m		8364
NEST	1.16	79.0	Sg	23:11:25.515	-0.2	---											m		8367
NEST	1.16	79.0	Pg	23:11:08.107	-0.4	---											m		8366
NEST	1.16	79.0	AM1	23:11:30.900		---				0.1	1.04	a	M1		1.9		a		4828
FNA	1.51	67.0	Sn	23:11:36.748	0.3	---											m		8369
FNA	1.51	67.0	Pn	23:11:14.590	-0.1	---											m		8368
FNA	1.51	67.0	AM1	23:11:42.250		---				0.1	0.56	a	M1		2.2		a		4829
LKD2	1.66	148.0	Sn	23:11:41.450	0.4	---											m		8371
LKD2	1.66	148.0	Pn	23:11:17.144	-0.2	---											m		8370
NOCI	1.98	288.0	Pn	23:11:21.347	-1.6	---											m		8372

DATA_TYPE COMMENT GSE2.1
Event 517

Official Magnitude:
M1 1.94

Error ellipse:

	Azim	Dip	Mag
Max:	256	78	1.7700
Intermediate:	63	11	0.7200
Min:	154	3	0.5600

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180004 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 518 0.7 km from Pashkashesh, Tirana, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/20	19:31:14.05		0.09	41.2368	19.9842				11.8	0.8	6	31	284	0.14	1.53	m	
559																	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.3	0.0	3	559
Md	1.9	0.0	2	559

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.00	0.0	Pg	19:31:18.429	0.0									m		8381
TIR	0.14	321.0	Sg	19:31:20.456	-0.0									m		8374
TIR	0.14	321.0	AMl	19:31:22.260								0.2	0.18	a	Ml	1.2
TIR	0.14	321.0	AMl	19:31:21.370								0.3	0.12	a	Ml	1.3
PHP	0.56	37.0	Sg	19:31:33.544	-0.0									m		8376
PHP	0.56	37.0	Pg	19:31:25.253	0.0									m		8375
PHP	0.56	37.0	AMl	19:31:35.380								0.0	0.12	a	Ml	1.0
PHP	0.56	37.0	AMd	19:31:44.433								0.0	19.18	a	Md	1.8
PUK	0.81	356.0	Sg	19:31:42.021	0.0									m		8378
PUK	0.81	356.0	Pg	19:31:30.640	0.6									m		8377
PUK	0.81	356.0	AMl	19:31:43.200								0.1	0.22	a	Ml	1.6
PUK	0.81	356.0	AMl	19:31:42.990								0.1	0.24	a	Ml	1.7
PUK	0.81	356.0	AMd	19:31:52.676								0.0	22.04	a	Md	1.9
DRME	1.12	329.0	Pg	19:31:34.803	-1.1									m		8379
CEME	1.53	330.0	Pn	19:31:43.190	-0.0									m		8380

DATA_TYPE COMMENT GSE2.1
Event 518

Official Magnitude:
Ml 1.28

Error ellipse:

	Azim	Dip	Mag
Max:	347	37	1.2800
Intermediate:	194	49	0.9200
Min:	88	14	0.5400

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180004 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 519 1.3 km from Rreth-Baz, Dibër, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/21	17:03:53.16		0.02	41.6757	19.9698				22.5	1.0	15	10	103	0.33	2.36	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.7	0.0	6	560
Md	3.0	0.0	7	560

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.34	194.0	Sg	17:04:06.315	-0.0					---				m		8383
TIR	0.34	194.0	Pg	17:04:00.685	-0.0					---				m		8382
TIR	0.34	194.0	AMl	17:04:08.160						---		0.6	0.32	a	Ml	1.9
TIR	0.34	194.0	AMd	17:04:41.795						---		0.0	41.11	a	Md	2.5
PHP	0.35	88.0	Sg	17:04:06.320	-0.0					---				m		8385
PHP	0.35	88.0	Pg	17:04:00.700	0.0					---				m		8384
PHP	0.35	88.0	AMl	17:04:08.020						---		4.3	0.18	a	Ml	2.8
PHP	0.35	88.0	AMd	17:04:35.706						---		0.0	35.01	a	Md	2.4
PUK	0.37	352.0	Sg	17:04:07.194	0.0					---				m		8387
PUK	0.37	352.0	Pg	17:04:01.183	0.0					---				m		8386
PUK	0.37	352.0	AMl	17:04:08.800						---		6.1	0.24	a	Ml	2.9
PUK	0.37	352.0	AMd	17:04:37.540						---		0.0	36.36	a	Md	2.4
BCI	0.69	0.0	Pg	17:04:05.864	0.0					---				m		8397
BCI	0.69	5.0	Sg	17:04:17.262	0.0					---				m		8388
BCI	0.69	5.0	AMl	17:04:18.830						---		1.2	0.42	a	Ml	2.6
FNA	1.39	129.0	Sg	17:04:39.056	0.0					---				m		8390
FNA	1.39	129.0	Pg	17:04:19.346	-0.0					---				m		8389
FNA	1.39	129.0	AMl	17:04:43.250						---		0.2	0.38	a	Ml	2.5
FNA	1.39	129.0	AMd	17:05:24.656						---		0.0	65.31	a	Md	3.1
NEST	1.50	146.0	Pn	17:04:21.333	-0.0					---				m		8391
NEST	1.50	146.0	AMd	17:05:27.250						---		0.0	65.92	a	Md	3.1
LSK	1.60	162.0	Sn	17:04:45.285	0.1					---				m		8393
LSK	1.60	162.0	Pn	17:04:22.936	0.0					---				m		8392
LSK	1.60	162.0	AMd	17:05:49.760						---		0.0	86.82	a	Md	3.4
SCTE	1.96	216.0	Sn	17:04:55.197	0.0					---				m		8395
SCTE	1.96	216.0	Pn	17:04:28.611	0.0					---				m		8394
SCTE	1.96	216.0	AMl	17:05:12.800						---		0.6	1.60	a	Ml	3.2
SCTE	1.96	216.0	AMd	17:05:28.115						---		0.0	59.50	a	Md	3.0
NOCI	2.36	249.0	Sn	17:05:05.575	0.0					---				m		8396

DATA_TYPE COMMENT GSE2.1
Event 519

Official Magnitude:
Ml 2.70

Error ellipse:

	Azim	Dip	Mag
Max:	79	72	1.0500
Intermediate:	276	17	0.2900
Min:	184	5	0.2300

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180003 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 521 1.4 km from Ishëm, Durrës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/23	12:41:47.72		0.30	41.5457	19.6163				25.0	3.6	15	32	182	0.27	1.57	m	

Magnitude	Err	Nsta	Author	OrigID
M1	1.7	0.0	4	562

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
TIR	0.27	0.0	Pg	12:41:53.607	0.0									m		8435	
TIR	0.27	136.0	Sg	12:41:58.689	-1.0									m		8419	
TIR	0.27	136.0	AM1	12:41:57.800								1.3	0.24	a	M1	2.2	4870
ULC	0.50	327.0	Pg	12:41:58.190	0.1									m		8420	
PUK	0.54	22.0	Sg	12:42:06.715	-0.2									m		8422	
PUK	0.54	22.0	Pg	12:41:59.016	0.3									m		8421	
PUK	0.54	22.0	AM1	12:42:18.360								0.2	0.38	a	M1	1.7	4872
PUK	0.54	22.0	AM1	12:42:11.630								0.2	0.30	a	M1	1.7	4871
PHP	0.63	77.0	Sg	12:42:10.024	0.4									m		8424	
PHP	0.63	77.0	Pg	12:42:00.095	-0.1									m		8423	
DRME	0.71	334.0	Pn	12:42:02.068	0.1									m		8425	
BCI	0.89	22.0	Sg	12:42:17.607	-0.2									m		8427	
BCI	0.89	22.0	Pg	12:42:04.130	-0.8									m		8426	
BCI	0.89	22.0	AM1	12:42:20.880								0.2	0.06	a	M1	1.9	4873
BUM	0.92	325.0	Sn	12:42:19.166	0.0									m		8429	
BUM	0.92	325.0	Pg	12:42:06.606	0.9									m		8428	
CEME	1.13	333.0	Pn	12:42:10.021	0.7									m		8430	
HCY	1.23	318.0	Sn	12:42:28.724	0.0									m		8432	
HCY	1.23	318.0	Pn	12:42:09.628	-1.5									m		8431	
NEST	1.57	135.0	Sn	12:42:38.714	-0.1									m		8434	
NEST	1.57	135.0	Pn	12:42:17.125	0.2									m		8433	
NEST	1.57	135.0	AM1	12:42:40.620								0.0	0.64	a	M1	1.7	4874

DATA_TYPE COMMENT GSE2.1
Event 521

Official Magnitude:
M1 1.69

Error ellipse:

	Azim	Dip	Mag
Max:	7	74	3.6800
Intermediate:	225	11	0.8400
Min:	133	10	0.5000

BEGIN GSE2.1

MSG_TYPE DATA
 MSG_ID 1556180003 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 522 0.5 km from Ukth, Shkodër, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/23	23:35:57.71		0.16	42.0895	19.8778				5.0	0.4	20	32	107	0.04	2.01	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.6	0.0	6	563
Md	2.8	0.0	2	563

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
PUK	0.05	0.0	Pg	23:35:59.300	0.0									m		8461	
PUK	0.05	166.0	Sg	23:36:00.054	-0.0									m		8436	
PUK	0.05	166.0	AMl	23:36:00.350								176.5	0.12	a	Ml	3.7	4878
PUK	0.05	166.0	AMl	23:36:00.430								59.4	0.08	a	Ml	3.3	4877
BCI	0.31	26.0	Sg	23:36:09.862	0.7									m		8438	
BCI	0.31	26.0	Pg	23:36:04.472	0.2									mc		8437	
BCI	0.31	26.0	AMl	23:36:13.120								1.2	0.26	a	Ml	2.1	4879
BCI	0.31	26.0	AMd	23:36:50.619								0.0	46.15	a	Md	2.7	4875
ULC	0.48	256.0	Pg	23:36:07.916	0.2									m		8439	
PVY	0.51	7.0	Pg	23:36:08.211	0.0									m		8440	
DRME	0.52	281.0	Pg	23:36:08.358	-0.0									m		8441	
PHP	0.58	133.0	Sg	23:36:18.025	0.1									m		8443	
PHP	0.58	133.0	Pg	23:36:08.006	-1.3									m		8442	
PHP	0.58	133.0	AMl	23:36:19.490								1.1	0.34	a	Ml	2.4	4880
PHP	0.58	133.0	AMd	23:37:07.323								0.0	59.32	a	Md	2.9	4876
TIR	0.74	181.0	Sg	23:36:23.732	-0.0									m		8445	
TIR	0.74	181.0	Pg	23:36:12.552	-0.0									m		8444	
BUM	0.76	287.0	Pg	23:36:13.657	0.8									m		8446	
BEY	0.78	1.0	Pg	23:36:13.347	0.0									m		8447	
KOME	0.81	341.0	Pg	23:36:13.642	-0.2									mc		8448	
CEME	0.85	304.0	Pg	23:36:14.574	-0.0									m		8449	
NKME	0.96	316.0	Pg	23:36:16.858	0.1									m		8450	
HCY	1.09	290.0	Pg	23:36:19.040	-0.2									mc		8451	
BRY	1.28	310.0	Pg	23:36:22.848	0.0									m		8452	
UPM	1.32	328.0	Pg	23:36:23.487	-0.2									m		8453	
KBN	1.62	154.0	Sn	23:36:51.509	0.1									m		8455	
KBN	1.62	154.0	Pn	23:36:27.212	-1.2									m		8454	
KBN	1.62	154.0	AMl	23:36:58.220								0.1	0.74	a	Ml	2.4	4881
FNA	1.73	138.0	Sn	23:36:55.425	-0.3									m		8457	
FNA	1.73	138.0	Pn	23:36:29.381	-1.5									m		8456	
FNA	1.73	138.0	AMl	23:36:59.310								0.3	0.40	a	Ml	2.7	4883
FNA	1.73	138.0	AMl	23:37:01.430								0.1	0.58	a	Ml	2.4	4882
NEST	1.89	151.0	Pn	23:36:33.615	-0.1									m		8458	
LSK	2.01	164.0	Sn	23:37:04.170	0.1									m		8460	

LSK 2.01 164.0 Pn 23:36:36.093 0.4 _____ m____ 8459
 LSK 2.01 164.0 AM1 23:37:08.950 _____ 0.2 0.80 a____ M1 2.9 4884

DATA_TYPE COMMENT GSE2.1
 Event 522

Official Magnitude:
 M1 2.58

Error ellipse:

	Azim	Dip	Mag
Max:	249	49	0.5600
Intermediate:	59	39	0.4900
Min:	153	5	0.2400

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556180003 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 523 2.6 km from Kthella e Epërme, Lezhë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/24	03:39:53.63		0.05	41.7960	20.0357				19.6	0.5	9	32	167	0.27	1.43	m	564

Magnitude	Err	Nsta	Author	OrigID
M1	1.3	0.0	3	564
Md	1.9	0.0	1	564

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
PUK	0.27	0.0	Pg	03:40:00.160	0.0					_____				m____		8472
PUK	0.27	337.0	Sg	03:40:04.534	-0.0					_____				m____		8462
PUK	0.27	337.0	AM1	03:40:05.390						_____		0.2	0.34	a____ M1	1.4	4887
PUK	0.27	337.0	AM1	03:40:06.130						_____		0.2	0.32	a____ M1	1.3	4886
PHP	0.32	110.0	Sg	03:40:05.900	0.0					_____				m____		8464
PHP	0.32	110.0	Pg	03:40:00.669	0.0					_____				m____		8463
PHP	0.32	110.0	AM1	03:40:06.670						_____		0.1	0.22	a____ M1	1.1	4888
PHP	0.32	110.0	AMd	03:40:21.852						_____		0.0	21.18	a____ Md	1.9	4885
BCI	0.57	2.0	Sg	03:40:13.927	0.0					_____				m____		8466
BCI	0.57	2.0	Pg	03:40:05.225	0.0					_____				m____		8465
BCI	0.57	2.0	AM1	03:40:14.900						_____		0.1	0.30	a____ M1	1.3	4889
DRME	0.74	303.0	Pg	03:40:08.311	-0.1					_____				m____		8467
CEME	1.12	313.0	Pn	03:40:15.255	0.2					_____				m____		8468
HCY	1.32	301.0	Pn	03:40:18.733	0.1					_____				m____		8469
FNA	1.43	134.0	Sn	03:40:41.583	0.7					_____				m____		8471
FNA	1.43	134.0	Pn	03:40:20.594	-0.1					_____				m____		8470

DATA_TYPE COMMENT GSE2.1
 Event 523

Official Magnitude:
 Ml 1.31

Error ellipse:

	Azim	Dip	Mag
Max:	56	41	0.7300
Intermediate:	215	45	0.6000
Min:	316	11	0.2900

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556180003 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 524 0.3 km from Kthella e Epërme, Lezhë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/24	04:01:15.49		0.09	41.8140	20.0607				18.6	1.0	8	32	171	0.26	1.33	m	
OrigID 565																	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.4	0.0	3	565
Md	1.6	0.0	1	565

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
PUK	0.26	332.0	Sg	04:01:25.950	-0.1									m		8474	
PUK	0.26	332.0	Pg	04:01:21.632	0.1									m		8473	
PUK	0.26	332.0	AMl	04:01:27.020								0.3	0.34	a	Ml	1.5	4892
PUK	0.26	332.0	AMl	04:01:27.850								0.2	0.50	a	Ml	1.4	4891
PUK	0.26	332.0	AMd	04:01:38.308								0.0	16.68	a	Md	1.6	4890
PHP	0.31	114.0	Sg	04:01:27.324	0.0									m		8476	
PHP	0.31	114.0	Pg	04:01:22.068	-0.2									m		8475	
PHP	0.31	114.0	AMl	04:01:28.100								0.1	0.34	a	Ml	0.8	4893
BCI	0.55	0.0	Pg	04:01:26.840	0.1									m		8478	
BCI	0.55	0.0	Sg	04:01:34.554	-0.6									m		8477	
BCI	0.55	0.0	AMl	04:01:36.510								0.1	0.36	a	Ml	1.4	4894
ULC	0.62	285.0	Pg	04:01:28.250	0.1									m		8479	
DRME	0.75	301.0	Pg	04:01:30.365	-0.0									m		8480	
CEME	1.12	312.0	Pn	04:01:36.929	-0.1									m		8481	
HCY	1.33	0.0	Pn	04:01:40.593	0.0									m		8482	

DATA_TYPE COMMENT GSE2.1
 Event 524

Official Magnitude:
Ml 1.37

Error ellipse:

	Azim	Dip	Mag
Max:	44	43	1.4800
Intermediate:	203	45	0.8000
Min:	304	11	0.3800

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180003 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 525 1.2 km from Kadiaj, Fier, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/24	13:53:32.09		0.26	40.8838	19.7212				17.0	1.0	21	22	134	0.17	2.39	m	
OrigID 566																	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.5	0.0	9	566
Md	2.7	0.0	4	566

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
BPA1	0.17	198.0	Sg	13:53:39.988	-0.1									m__		8484	
BPA1	0.17	198.0	Pg	13:53:36.101	-0.6									m__		8483	
BPA1	0.17	198.0	AMl	13:53:40.110								2.8	0.58	a__	Ml	2.4	4899
VLO	0.45	203.0	Sg	13:53:48.166	0.9									m__		8486	
VLO	0.45	203.0	Pg	13:53:41.104	0.3									mde		8485	
VLO	0.45	203.0	AMl	13:53:52.390								3.9	0.42	a__	Ml	2.8	4900
VLO	0.45	203.0	AMd	13:54:23.919								0.0	42.82	a__	Md	2.6	4895
TIR	0.48	0.0	Pg	13:53:42.876	0.0									mdi		8507	
TIR	0.48	13.0	Sg	13:53:49.727	0.3									m__		8487	
TIR	0.48	13.0	AMl	13:53:55.550								0.8	0.36	a__	Ml	2.1	4901
KBN	0.85	107.0	Sg	13:54:00.729	0.0									m__		8489	
KBN	0.85	107.0	Pg	13:53:48.288	-0.1									mde		8488	
KBN	0.85	107.0	AMl	13:54:06.450								0.9	0.44	a__	Ml	2.6	4902
KBN	0.85	107.0	AMd	13:54:28.529								0.0	40.24	a__	Md	2.5	4896
PHP	0.97	33.0	Sg	13:54:04.635	0.1									m__		8491	
PHP	0.97	33.0	Pg	13:53:50.212	-0.5									mce		8490	
PHP	0.97	33.0	AMl	13:54:11.390								0.2	0.36	a__	Ml	2.1	4903
PHP	0.97	33.0	AMd	13:54:57.133								0.0	66.92	a__	Md	3.1	4897
LSK	0.99	137.0	Sn	13:54:05.756	0.1									m__		8493	
LSK	0.99	137.0	Pn	13:53:51.512	0.2									mce		8492	
LSK	0.99	137.0	AMl	13:54:11.340								0.5	0.48	a__	Ml	2.5	4904

SRN	1.03	167.0	Sg	13:54:07.295	-0.3	---	m_	8495
SRN	1.03	167.0	Pg	13:53:52.596	0.2	---	mci	8494
SRN	1.03	167.0	AMl	13:54:07.920		---	0.2 0.42 a_ Ml	2.1 4905
SRN	1.03	167.0	AMd	13:54:43.321		---	0.0 50.73 a_ Md	2.8 4898
ULC	1.13	342.0	P	13:53:54.209	0.3	---	m_	8496
PUK	1.16	6.0	Sn	13:54:10.928	-0.1	---	m_	8498
PUK	1.16	6.0	Pn	13:53:55.101	0.8	---	mdi	8497
PUK	1.16	6.0	AMl	13:54:17.040		---	0.6 0.40 a_ Ml	2.7 4906
DRME	1.36	344.0	P	13:53:57.774	-0.2	---	m_	8499
BCI	1.50	9.0	Sn	13:54:21.438	-0.1	---	m_	8501
BCI	1.50	9.0	Pn	13:54:00.463	0.1	---	mce	8500
BCI	1.50	9.0	AMl	13:54:25.720		---	0.5 0.64 a_ Ml	2.9 4907
BUM	1.54	337.0	P	13:54:01.037	-0.1	---	m_	8502
CEME	1.77	341.0	P	13:54:02.702	-2.4	---	m_	8503
KOME	1.97	356.0	P	13:54:07.189	-1.0	---	m_	8504
BEY	1.99	3.0	P	13:54:08.471	-0.0	---	m_	8505
UPM	2.39	346.0	P	13:54:16.163	1.7	---	m_	8506

DATA_TYPE COMMENT GSE2.1
Event 525

Official Magnitude:
Ml 2.52

Error ellipse:

	Azim	Dip	Mag
Max:	256	57	1.1900
Intermediate:	92	31	0.5900
Min:	357	7	0.3300

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180002 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 527 1.4 km from Koplik, Shkodër, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/24	19:28:45.84		0.09	42.2192	19.4513				19.7	0.7	14	17	101	0.20	1.06	m	568

Magnitude	Err	Nsta	Author	OrigID
Ml	2.1	0.0	4	568
Md	2.1	0.0	2	568

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
DRME	0.20	261.0	P	19:28:51.195	0.1					---				m_		8521

DRME	0.20	261.0	AMd	19:29:17.928						0.0	26.73	a__	Md	2.1	4916
ULC	0.30	211.0	P	19:28:52.033	-0.7							m__			8522
ULC	0.30	211.0	AMd	19:29:18.491						0.0	26.46	a__	Md	2.1	4917
PUK	0.37	118.0	Sg	19:28:59.851	-0.0							m__			8524
PUK	0.37	118.0	Pg	19:28:53.774	-0.1							mci			8523
PUK	0.37	118.0	AMl	19:29:01.670						0.6	0.16	a__	Ml	1.9	4918
BUM	0.42	282.0	P	19:28:54.903	0.1							m__			8525
BCI	0.48	71.0	Sg	19:29:03.347	0.1							m__			8527
BCI	0.48	71.0	Pg	19:28:55.676	-0.1							mdi			8526
BCI	0.48	71.0	AMl	19:29:04.940						0.7	0.30	a__	Ml	2.1	4919
CEME	0.51	310.0	P	19:28:56.375	-0.1							m__			8528
PVY	0.54	45.0	P	19:28:57.061	0.1							m__			8529
KOME	0.63	4.0	P	19:28:58.661	0.0							m__			8530
NKME	0.66	327.0	P	19:28:58.915	-0.2							m__			8531
BEY	0.73	26.0	P	19:29:00.819	0.5							m__			8532
PHP	0.91	125.0	Sg	19:29:16.377	0.0							m__			8534
PHP	0.91	125.0	Pg	19:29:03.452	0.2							mde			8533
PHP	0.91	125.0	AMl	19:29:23.890						0.2	0.36	a__	Ml	2.1	4920
TIR	0.92	160.0	Sg	19:29:17.229	-0.1							m__			8535
TIR	0.92	160.0	AMl	19:29:20.630						0.2	0.32	a__	Ml	2.1	4921
BRY	0.96	316.0	P	19:29:04.422	0.0							m__			8536
UPM	1.06	0.0	P	19:29:06.151	0.0							m__			8537

DATA_TYPE COMMENT GSE2.1
Event 527

Official Magnitude:
Ml 2.07

Error ellipse:

	Azim	Dip	Mag
Max:	22	83	0.6800
Intermediate:	214	6	0.4600
Min:	124	1	0.2900

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180002 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 528 0.7 km from Ballsh, Fier, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/24	19:32:55.41		0.24	40.5973	19.7265				0.0	1.1	12	8	111	0.13	1.45	m	
569																	

Magnitude Err Nsta Author OrigID

Ml 2.1 0.0 5 569
Md 2.2 0.0 2 569

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
BPA1	0.14	337.0	Sg	19:33:01.182	-0.1					---				m__		8539	
BPA1	0.14	337.0	Pg	19:32:58.084	-0.7					---				mde		8538	
BPA1	0.14	337.0	AMl	19:33:06.620						---		2.3	0.48	a__	Ml	2.1	4924
BPA1	0.14	337.0	AMd	19:33:24.025						---		0.0	25.94	a__	Md	2.1	4922
BPA2	0.16	329.0	Sg	19:33:02.079	0.1					---				m__		8541	
BPA2	0.16	329.0	Pg	19:32:58.362	-0.8					---				mce		8540	
BPA2	0.16	329.0	AMl	19:33:02.480						---		2.4	0.20	a__	Ml	2.2	4925
BPA2	0.16	329.0	AMd	19:33:35.168						---		0.0	36.81	a__	Md	2.4	4923
VLO	0.21	0.0	Pg	19:32:59.033	0.0					---				mci		8551	
VLO	0.22	234.0	Sg	19:33:03.462	0.4					---				m__		8542	
VLO	0.22	234.0	AMl	19:33:05.760						---		8.5	0.32	a__	Ml	2.8	4926
LSK	0.80	123.0	S	19:33:24.101	-0.1					---				m__		8544	
LSK	0.80	123.0	P	19:33:09.767	-2.1					---				m__		8543	
LSK	0.80	123.0	AMl	19:33:33.900						---		0.2	0.58	a__	Ml	2.0	4927
KBN	0.81	87.0	Sg	19:33:23.825	0.0					---				m__		8546	
KBN	0.81	87.0	Pg	19:33:11.638	0.0					---				mce		8545	
PHP	1.21	26.0	P	19:33:19.612	0.1					---				m__		8548	
PHP	1.21	26.0	S	19:33:37.666	0.0					---				m__		8547	
PUK	1.45	4.0	S	19:33:45.524	-0.1					---				m__		8550	
PUK	1.45	4.0	P	19:33:23.558	-0.6					---				m__		8549	
PUK	1.45	4.0	AMl	19:33:50.980						---		0.0	0.32	a__	Ml	1.8	4928

DATA_TYPE COMMENT GSE2.1
Event 528

Official Magnitude:
Ml 2.10

Error ellipse:

	Azim	Dip	Mag
Max:	296	76	1.1600
Intermediate:	45	4	0.5000
Min:	136	13	0.3900

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180001 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 536 0.1 km from Zezë Maja e, Kukës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	

2019/03/25 21:45:16.62 0.04 42.5122 20.0850 5.5 0.6 9 17 206 0.14 1.20 m
577

Magnitude	Err	Nsta	Author	OrigID
Ml	1.8	0.0	2	577
Md	2.1	0.0	5	577

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
PVY	0.12	0.0	Pg	21:45:20.498	0.0										mci	8640
BCI	0.15	186.0	Sg	21:45:22.449	0.0										m	8630
BCI	0.15	186.0	Pg	21:45:19.948	0.0										mci	8629
BCI	0.15	186.0	AMl	21:45:22.900								2.4	0.10	a	Ml	2.2
BCI	0.15	186.0	AMd	21:45:48.106								0.0	28.16	a	Md	2.1
BEY	0.38	340.0	Pg	21:45:24.629	0.0										mce	8631
BEY	0.38	340.0	AMd	21:45:49.459								0.0	24.83	a	Md	2.0
PUK	0.49	197.0	Sg	21:45:33.973	0.0										m	8633
PUK	0.49	197.0	Pg	21:45:26.526	0.0										mci	8632
PUK	0.49	197.0	AMl	21:45:34.790								0.1	0.22	a	Ml	1.4
PUK	0.49	197.0	AMd	21:46:01.929								0.0	35.40	a	Md	2.4
KOME	0.54	310.0	Pg	21:45:27.561	-0.0										mce	8634
KOME	0.54	310.0	AMd	21:45:53.753								0.0	26.19	a	Md	2.1
DRME	0.74	245.0	Pg	21:45:31.500	0.1										mce	8635
DRME	0.74	245.0	AMd	21:46:06.256								0.0	34.76	a	Md	2.4
ULC	0.83	229.0	P	21:45:33.054	-0.1										m	8636
CEME	0.86	273.0	Pn	21:45:32.844	-1.0										mce	8637
BUM	0.90	257.0	Pn	21:45:34.537	0.0										mde	8638
BRY	1.20	290.0	Pn	21:45:40.029	-0.2										mce	8639

DATA_TYPE COMMENT GSE2.1
Event 536

Official Magnitude:
Ml 1.78

Error ellipse:

	Azim	Dip	Mag
Max:	88	27	1.2400
Intermediate:	238	59	0.6500
Min:	351	13	0.2900

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180001 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 539 0.9 km from Deshat, Dibër, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/26	10:29:32.17		0.23	41.7123	20.4258				15.4	0.7	16	32	159	0.03	1.62	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.9	0.0	5	580

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
PHP	0.03	158.0	Sg	10:29:36.596	-0.1					---				m		8662	
PHP	0.03	158.0	Pg	10:29:35.333	0.6					---				m		8661	
PHP	0.03	158.0	AMl	10:29:36.770						---		28.4	0.10	a	Ml	3.2	4998
PHP	0.03	158.0	AMl	10:29:37.160						---		34.6	0.12	a	Ml	3.3	4997
PUK	0.52	310.0	Sg	10:29:50.541	-0.0					---				m		8664	
PUK	0.52	310.0	Pg	10:29:42.598	-0.1					---				m		8663	
PUK	0.52	310.0	AMl	10:29:53.570						---		3.1	0.24	a	Ml	2.8	4999
TIR	0.56	230.0	Sg	10:29:52.206	0.1					---				m		8666	
TIR	0.56	230.0	Pg	10:29:43.467	-0.1					---				m		8665	
BCI	0.71	0.0	Pg	10:29:46.132	0.0					---				m		8679	
BCI	0.71	338.0	Sg	10:29:56.931	0.2					---				m		8667	
BCI	0.71	338.0	AMl	10:30:03.270						---		1.0	0.44	a	Ml	2.5	5000
ULC	0.91	287.0	Pg	10:29:50.358	0.2					---				m		8668	
DRME	1.04	298.0	Pg	10:29:52.164	-0.2					---				m		8669	
FNA	1.18	141.0	Sg	10:30:11.865	0.0					---				m		8671	
FNA	1.18	141.0	Pg	10:29:54.868	0.0					---				m		8670	
FNA	1.18	141.0	AMl	10:30:15.620						---		1.1	0.44	a	Ml	3.0	5001
BEY	1.22	342.0	P	10:29:56.017	0.4					---				m		8672	
BUM	1.28	298.0	Pn	10:29:57.020	0.4					---				m		8673	
KOME	1.32	330.0	Pg	10:29:57.050	-0.4					---				m		8674	
NEST	1.38	159.0	Sn	10:30:19.288	1.2					---				m		8676	
NEST	1.38	159.0	Pn	10:29:59.416	1.0					---				m		8675	
NEST	1.38	159.0	AMl	10:30:24.970						---		0.3	0.54	a	Ml	2.6	5002
CEME	1.40	308.0	Pn	10:29:58.345	-0.4					---				m		8677	
HCY	1.62	298.0	Pn	10:30:02.451	-0.2					---				m		8678	

DATA_TYPE COMMENT GSE2.1
Event 539

Official Magnitude:
Ml 2.89

Error ellipse:

	Azim	Dip	Mag
Max:	236	27	0.7800
Intermediate:	66	61	0.7300
Min:	328	4	0.4300

BEGIN GSE2.1

MSG_TYPE DATA
 MSG_ID 1556180001 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 540 0.7 km from Perpan, Gjirokastër, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/27	23:17:33.85		0.48	40.3938	19.8282				22.2	2.7	16	12	89	0.26	1.98	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.1	0.0	7	581
Md	2.7	0.0	5	581

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
VLO	0.26	287.0	Sg	23:17:43.624	0.0									m		8681
VLO	0.26	287.0	Pg	23:17:38.790	-0.6									m		8680
VLO	0.26	287.0	AMl	23:17:45.440								5.1	0.26	a	Ml	2.8
VLO	0.26	287.0	AMd	23:18:11.062								0.0	32.27	a	Md	2.3
SRN	0.53	165.0	Sg	23:17:53.993	0.3									m		8683
SRN	0.53	165.0	Pg	23:17:43.776	-1.4									m		8682
SRN	0.53	165.0	AMl	23:17:55.290								0.2	0.34	a	Ml	1.7
SRN	0.53	165.0	AMd	23:18:25.752								0.0	41.98	a	Md	2.6
LSK	0.64	112.0	Sg	23:17:56.346	0.2									m		8685
LSK	0.64	112.0	Pg	23:17:44.510	-2.1									m		8684
LSK	0.64	112.0	AMl	23:18:12.250								0.3	0.32	a	Ml	2.0
LSK	0.64	112.0	AMd	23:18:47.654								0.0	63.14	a	Md	3.0
KBN	0.77	72.0	Sg	23:17:59.772	0.2									m		8687
KBN	0.77	72.0	Pg	23:17:47.783	-0.8									m		8686
KBN	0.77	72.0	AMl	23:18:05.250								0.3	0.58	a	Ml	2.1
KBN	0.77	72.0	AMd	23:18:35.638								0.0	47.85	a	Md	2.7
TIR	0.95	0.0	P	23:17:51.387	0.0									m		8697
TIR	0.95	1.0	Sg	23:18:07.167	1.0									m		8688
TIR	0.95	1.0	AMl	23:18:13.250								0.2	0.44	a	Ml	1.9
SCTE	1.09	254.0	Sg	23:18:10.596	0.3									m		8690
SCTE	1.09	254.0	Pg	23:17:54.939	0.2									m		8689
SCTE	1.09	254.0	AMl	23:18:45.190								0.5	1.38	a	Ml	2.5
PHP	1.37	19.0	Sg	23:18:18.797	0.2									m		8692
PHP	1.37	19.0	P	23:17:59.056	-0.4									m		8691
PHP	1.37	19.0	AMd	23:18:42.295								0.0	43.24	a	Md	2.7
PUK	1.65	1.0	Sn	23:18:27.720	0.4									m		8694
PUK	1.65	1.0	Pn	23:18:03.334	-1.1									m		8693
PUK	1.65	1.0	AMl	23:18:31.990								0.1	0.60	a	Ml	2.4
BCI	1.98	5.0	Sn	23:18:36.338	0.1									m		8696
BCI	1.98	5.0	Pn	23:18:08.382	-1.1									m		8695

DATA_TYPE COMMENT GSE2.1
 Event 540

Official Magnitude:
Ml 2.14

Error ellipse:

	Azim	Dip	Mag
Max:	179	79	2.7000
Intermediate:	342	9	0.7900
Min:	73	3	0.7300

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180001 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 542 0.9 km from Çirsë, Vlorë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/30	12:07:46.39		0.20	40.0842	19.8667				7.5	0.9	21	12	117	0.22	2.25	m	583

Magnitude	Err	Nsta	Author	OrigID
Ml	3.2	0.0	8	583
Md	3.2	0.0	1	583

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
SRN	0.23	153.0	Sg	12:07:55.863	0.1									m		8720
SRN	0.23	153.0	Pg	12:07:51.816	0.1									mci		8719
SRN	0.23	153.0	AMl	12:07:57.520								16.2	0.36	a	Ml	3.1
SRN	0.23	153.0	AMd	12:09:10.672								0.0	78.86	a	Md	3.2
VLO	0.48	324.0	Sg	12:08:02.123	-0.1									m		8722
VLO	0.48	324.0	Pg	12:07:55.973	0.5									m		8721
VLO	0.48	324.0	AMl	12:08:10.240								24.4	0.46	a	Ml	3.6
LSK	0.56	83.0	S	12:08:06.409	0.2									m		8724
LSK	0.56	83.0	Pg	12:07:57.397	-0.3									m		8723
LSK	0.56	83.0	AMl	12:08:19.660								6.4	0.80	a	Ml	3.2
IGT	0.66	146.0	Sg	12:08:09.324	-0.2									m		8726
IGT	0.66	146.0	Pg	12:07:59.801	0.2									m		8725
IGT	0.66	146.0	AMl	12:08:19.860								2.5	0.46	a	Ml	2.9
BPA1	0.66	346.0	S	12:08:09.515	0.0									m		8728
BPA1	0.66	346.0	P	12:07:59.620	0.0									m		8727
NEST	0.96	69.0	S	12:08:19.207	-0.5									m		8730
NEST	0.96	69.0	P	12:08:04.525	-0.9									m		8729
NEST	0.96	69.0	AMl	12:08:24.130								1.4	0.36	a	Ml	2.9
SCTE	1.07	271.0	S	12:08:23.229	-0.1									m		8732
SCTE	1.07	271.0	P	12:08:07.614	0.1									m		8731
SCTE	1.07	271.0	AMl	12:08:25.300								5.4	0.26	a	Ml	3.6
TIR	1.26	0.0	P	12:08:12.226	0.0									m		8742

TIR	1.26	0.0	S	12:08:29.619	0.0	---												m					8733
TIR	1.26	0.0	AM1	12:08:38.000		---													a	M1	3.2		5031
FNA	1.35	58.0	S	12:08:32.492	0.1	---													m				8735
FNA	1.35	58.0	P	12:08:12.029	-0.6	---													m				8734
LKD2	1.43	154.0	S	12:08:34.969	0.1	---													m				8737
LKD2	1.43	154.0	P	12:08:13.905	-0.2	---													m				8736
LKD2	1.43	154.0	AM1	12:08:45.210		---													a	M1	3.5		5032
PHP	1.66	15.0	S	12:08:41.473	0.2	---													m				8739
PHP	1.66	15.0	P	12:08:17.750	-0.0	---													m				8738
NOCI	2.25	290.0	S	12:08:58.524	-0.1	---													m				8741
NOCI	2.25	290.0	P	12:08:23.624	-4.1	---													m				8740

DATA_TYPE COMMENT GSE2.1
Event 542

Official Magnitude:
Ml 3.19

Error ellipse:

	Azim	Dip	Mag
Max:	181	84	0.8700
Intermediate:	57	2	0.3700
Min:	327	5	0.2600

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180000 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 544 1.6 km from Çorraj, Vlorë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/30	13:13:40.76		0.06	40.1265	19.8537				1.0	0.9	11	32	152	0.27	1.47	m	585

Magnitude	Err	Nsta	Author	OrigID
Ml	2.2	0.0	7	585

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
SRN	0.27	155.0	Sg	13:13:52.108	-0.0					---						8756	
SRN	0.27	155.0	Pg	13:13:47.184	-0.1					---						8755	
SRN	0.27	155.0	AM1	13:13:53.080						---		0.6	0.22	a	M1	1.8	5039
LSK	0.57	0.0	Pg	13:13:51.826	0.0					---						8768	
LSK	0.57	87.0	Sg	13:14:01.299	-0.3					---						8757	
LSK	0.57	87.0	AM1	13:14:05.670						---		1.0	0.64	a	M1	2.4	5041
LSK	0.57	87.0	AM1	13:14:07.370						---		0.6	0.52	a	M1	2.1	5040
IGT	0.70	148.0	Sg	13:14:06.166	0.1					---						8759	

IGT	0.70	148.0	Pg	13:13:55.273	0.0	---											m		8758
IGT	0.70	148.0	AM1	13:14:14.580		---											a	M1	5042
NEST	0.96	72.0	Sg	13:14:14.696	-0.1	---											m		8761
NEST	0.96	72.0	Pg	13:13:59.606	-0.6	---											m		8760
NEST	0.96	72.0	AM1	13:14:18.200		---											a	M1	5043
SCTE	1.06	268.0	Sg	13:14:18.269	-0.0	---											m		8763
SCTE	1.06	268.0	Pg	13:14:02.173	-0.0	---											m		8762
SCTE	1.06	268.0	AM1	13:14:19.190		---											a	M1	5044
FNA	1.34	60.0	Sn	13:14:27.509	0.0	---											m		8765
FNA	1.34	60.0	Pn	13:14:07.472	0.0	---											m		8764
FNA	1.34	60.0	AM1	13:14:31.440		---											a	M1	5045
LKD2	1.47	154.0	Sn	13:14:31.659	-0.1	---											m		8767
LKD2	1.47	154.0	Pn	13:14:09.946	0.1	---											m		8766
LKD2	1.47	154.0	AM1	13:14:35.780		---											a	M1	5046

DATA_TYPE COMMENT GSE2.1
Event 544

Official Magnitude:
M1 2.23

Error ellipse:

	Azim	Dip	Mag
Max:	250	86	0.8900
Intermediate:	352	0	0.3200
Min:	82	4	0.2900

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180000 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 543 2.7 km from Çirësë, Vlorë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/30	16:47:11.92		0.14	40.0907	19.8477				13.5	1.2	10	32	149	0.24	1.44	m	584

Magnitude	Err	Nsta	Author	OrigID
M1	1.8	0.0	4	584

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
SRN	0.24	150.0	Sg	16:47:22.407	0.2											8744
SRN	0.24	150.0	Pg	16:47:17.522	-0.3											8743
SRN	0.24	150.0	AM1	16:47:25.098								0.3	0.18	a	M1	5034
SRN	0.24	150.0	AM1	16:47:23.978								0.3	0.16	a	M1	5033

LSK	0.58	83.0	Sg	16:47:32.298	0.0	---											m	8746
LSK	0.58	83.0	Pg	16:47:22.807	-0.8	---											m	8745
LSK	0.58	83.0	AM1	16:47:36.918		---				0.4	0.46	a	M1	2.0				5035
IGT	0.67	146.0	Sg	16:47:36.406	0.9	---											m	8748
IGT	0.67	146.0	Pg	16:47:25.427	0.0	---											m	8747
NEST	0.97	70.0	Sg	16:47:45.495	0.0	---											m	8750
NEST	0.97	70.0	Pg	16:47:30.397	-0.7	---											m	8749
NEST	0.97	70.0	AM1	16:47:48.898		---				0.1	0.70	a	M1	1.7				5036
SCTE	1.05	0.0	Pn	16:47:33.563	0.0	---											m	8754
SCTE	1.06	270.0	Sg	16:47:48.177	0.1	---											m	8751
SCTE	1.06	270.0	AM1	16:47:49.848		---				0.3	0.32	a	M1	2.3				5038
SCTE	1.06	270.0	AM1	16:47:49.728		---				0.4	0.58	a	M1	2.4				5037
FNA	1.36	59.0	S	16:47:57.563	0.1	---											m	8752
LKD2	1.44	153.0	Pn	16:47:39.338	-0.1	---											m	8753

DATA_TYPE COMMENT GSE2.1
Event 543

Official Magnitude:
M1 1.82

Error ellipse:

	Azim	Dip	Mag
Max:	154	59	1.3400
Intermediate:	342	30	0.4100
Min:	250	4	0.3100

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556784699 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 546 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/31	07:51:40.22		0.20	41.5473	19.3987				13.9	1.0	26	31	118	0.40	2.13	m	587

Magnitude	Err	Nsta	Author	OrigID
M1	3.2	0.0	10	587
Md	3.0	0.0	9	587

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
TIR	0.40	0.0	Pg	07:51:48.362	0.0					---						8811	
TIR	0.40	119.0	Sg	07:51:55.013	-0.1					---						8782	
TIR	0.40	119.0	AM1	07:51:56.500						---		7.1	0.34	a	M1	3.0	5063
TIR	0.40	119.0	AM1	07:51:56.190						---		6.6	0.54	a	M1	3.0	5062

ULC	0.43	346.0	Pg	07:51:49.176	-0.0				m				8783
ULC	0.43	346.0	AMd	07:52:32.813				0.0	43.64	a	Md	2.6	5053
PUK	0.62	36.0	Sg	07:52:02.066	0.2					m			8785
PUK	0.62	36.0	Pg	07:51:52.641	0.1					mc			8784
PUK	0.62	36.0	AM1	07:52:05.470				3.8	0.38	a	M1	3.0	5065
PUK	0.62	36.0	AM1	07:52:08.650				3.4	0.32	a	M1	3.0	5064
PUK	0.62	36.0	AMd	07:52:52.760				0.0	60.12	a	Md	2.9	5054
DRME	0.66	347.0	Pg	07:51:53.228	-0.2					md			8786
PHP	0.79	79.0	Sg	07:52:07.166	-0.2					m			8788
PHP	0.79	79.0	Pg	07:51:55.607	-0.1					m			8787
PHP	0.79	79.0	AM1	07:52:13.600				2.5	0.40	a	M1	3.0	5066
PHP	0.79	79.0	AMd	07:52:44.384				0.0	48.78	a	Md	2.8	5055
BPA2	0.83	168.0	Pg	07:51:57.548	0.8					m			8789
BCI	0.96	31.0	Sg	07:52:12.343	-0.7					m			8791
BCI	0.96	31.0	Pg	07:51:58.240	-0.7					md			8790
BCI	0.96	31.0	AM1	07:52:21.020				2.5	0.62	a	M1	3.2	5068
BCI	0.96	31.0	AM1	07:52:17.380				1.7	0.28	a	M1	3.0	5067
BCI	0.96	31.0	AMd	07:53:05.618				0.0	67.38	a	Md	3.1	5056
CEME	1.06	341.0	Pn	07:52:00.609	-0.3					m			8792
HCY	1.13	324.0	Pg	07:52:02.601	0.5					md			8793
PVY	1.13	22.0	Pg	07:52:01.984	-0.2					m			8794
PVY	1.13	22.0	AMd	07:53:07.005				0.0	65.02	a	Md	3.1	5057
NKME	1.26	346.0	Pn	07:52:04.658	0.2					m			8795
NKME	1.26	346.0	AMd	07:53:03.423				0.0	58.77	a	Md	3.0	5058
KOME	1.30	3.0	Pn	07:52:05.354	0.1					m			8796
KOME	1.30	3.0	AMd	07:53:10.913				0.0	65.56	a	Md	3.1	5059
BEY	1.37	15.0	Pg	07:52:06.313	-0.2					md			8797
KBN	1.40	130.0	Pn	07:52:06.551	0.1					m			8798
KBN	1.40	130.0	AM1	07:52:31.480				1.7	0.44	a	M1	3.3	5069
SCTE	1.63	206.0	Sn	07:52:33.519	-0.6					m			8800
SCTE	1.63	206.0	Pn	07:52:10.923	-0.1					m			8799
SCTE	1.63	206.0	AM1	07:52:35.950				2.4	0.36	a	M1	3.6	5070
LSK	1.67	146.0	Pn	07:52:11.796	0.3					m			8801
LSK	1.67	146.0	AM1	07:52:49.590				2.2	0.62	a	M1	3.6	5071
FNA	1.68	116.0	Sn	07:52:35.617	-0.1					m			8803
FNA	1.68	116.0	Pn	07:52:12.188	0.2					m			8802
FNA	1.68	116.0	AM1	07:52:36.930				0.8	0.38	a	M1	3.2	5073
FNA	1.68	116.0	AM1	07:52:36.740				1.4	0.60	a	M1	3.5	5072
NEST	1.69	131.0	Sn	07:52:35.655	-0.2					m			8805
NEST	1.69	131.0	Pn	07:52:12.529	0.5					m			8804
NEST	1.69	131.0	AM1	07:52:38.880				0.8	0.54	a	M1	3.2	5074
UPM	1.69	348.0	Pn	07:52:12.134	0.0					m			8806
UPM	1.69	348.0	AMd	07:53:22.473				0.0	70.34	a	Md	3.2	5060
SRN	1.73	164.0	Pn	07:52:13.115	0.0					m			8807
SRN	1.73	164.0	AM1	07:52:40.750				0.8	0.62	a	M1	3.2	5075
PLE	1.78	0.0	Pn	07:52:14.251	0.6					m			8808
PLE	1.78	0.0	AMd	07:53:10.425				0.0	56.17	a	Md	3.0	5061
IGT	2.13	160.0	Sn	07:52:48.246	0.0					m			8810
IGT	2.13	160.0	Pn	07:52:18.092	-1.0					m			8809

DATA_TYPE COMMENT GSE2.1
Event 546

Official Magnitude:
Ml 3.18

Error ellipse:

	Azim	Dip	Mag
Max:	29	81	0.9900
Intermediate:	245	6	0.4500
Min:	154	5	0.2800

STOP

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556784697 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 547 8 km from Shetaj, Durrës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/31	17:59:10.46		0.26	41.5412	19.4002				15.5	1.3	27	32	117	0.40	2.13	m	

588

Magnitude	Err	Nsta	Author	OrigID
Ml	3.1	0.0	9	588
Md	3.0	0.0	3	588

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
TIR	0.40	0.0	Pg	17:59:19.296	0.0					---				m		8840	
TIR	0.40	118.0	Sg	17:59:24.978	-0.3					---				m		8812	
TIR	0.40	118.0	AMl	17:59:25.720						---		3.9	0.54	a	Ml	2.7	5079
ULC	0.44	346.0	Pg	17:59:19.724	0.1					---				mc		8813	
PUK	0.62	36.0	Sg	17:59:32.120	-0.1					---				m		8815	
PUK	0.62	36.0	Pg	17:59:23.030	0.1					---				m		8814	
PUK	0.62	36.0	AMl	17:59:35.710						---		2.9	0.38	a	Ml	2.9	5081
PUK	0.62	36.0	AMl	17:59:40.240						---		2.4	0.34	a	Ml	2.8	5080
PUK	0.62	36.0	AMd	18:00:23.140						---		0.0	60.11	a	Md	2.9	5076
DRME	0.66	347.0	Pg	17:59:23.422	-0.4					---				m		8816	
PHP	0.79	79.0	Sg	17:59:37.816	0.3					---				m		8818	
PHP	0.79	79.0	Pg	17:59:25.816	-0.1					---				m		8817	
PHP	0.79	79.0	AMd	18:00:28.338						---		0.0	62.52	a	Md	3.0	5077
BUM	0.84	334.0	Pg	17:59:27.229	0.0					---				m		8819	
BCI	0.96	30.0	Sg	17:59:43.134	-0.2					---				m		8821	
BCI	0.96	30.0	Pg	17:59:28.512	-0.7					---				m		8820	
BCI	0.96	30.0	AMl	17:59:51.260						---		1.9	0.60	a	Ml	3.0	5083

BCI	0.96	30.0	AMl	17:59:47.610	_____	1.5	0.32	a__	Ml	2.9	5082
BCI	0.96	30.0	AMd	18:00:39.102	_____	0.0	70.59	a__	Md	3.1	5078
HCY	1.13	324.0	Pg	17:59:33.022	_____			mc_			8822
PVY	1.14	21.0	Pg	17:59:31.796	-0.6			m__			8823
NKME	1.27	346.0	Pg	17:59:34.962	0.2			m__			8824
KOME	1.31	3.0	Pg	17:59:35.247	-0.3			m__			8825
BEY	1.38	15.0	Pn	17:59:36.601	-0.1			m__			8826
BRY	1.50	336.0	Pn	17:59:39.210	0.3			m__			8827
SCTE	1.62	207.0	Sn	18:00:03.543	-0.5			m__			8829
SCTE	1.62	207.0	Pn	17:59:41.220	0.2			m__			8828
SCTE	1.62	207.0	AMl	18:00:06.200		1.6	0.36	a__	Ml	3.4	5085
LSK	1.66	146.0	Sn	18:00:04.930	0.0			m__			8831
LSK	1.66	146.0	Pn	17:59:41.893	0.3			m__			8830
LSK	1.66	146.0	AMl	18:00:13.350		1.7	0.74	a__	Ml	3.5	5086
FNA	1.68	116.0	Sn	18:00:05.196	-0.5			m__			8833
FNA	1.68	116.0	Pn	17:59:42.195	0.2			m__			8832
FNA	1.68	116.0	AMl	18:00:07.550		0.6	0.48	a__	Ml	3.1	5088
FNA	1.68	116.0	AMl	18:00:12.030		1.0	0.38	a__	Ml	3.3	5087
NEST	1.68	131.0	Sn	18:00:06.033	0.3			m__			8835
NEST	1.68	131.0	Pn	17:59:42.466	0.4			mc_			8834
NEST	1.68	131.0	AMl	18:00:09.090		0.6	0.50	a__	Ml	3.1	5089
UPM	1.70	348.0	Pn	17:59:43.012	0.6			m__			8836
SRN	1.72	164.0	Sn	18:00:07.451	-0.2			m__			8838
SRN	1.72	164.0	Pn	17:59:42.386	-0.8			m__			8837
SRN	1.72	164.0	AMl	18:00:15.890		0.4	0.80	a__	Ml	2.9	5090
IGT	2.13	160.0	Pn	17:59:48.948	-0.1			m__			8839
KBN			AMl	18:00:01.730		1.1	0.46	a__	Ml	3.1	5084

DATA_TYPE COMMENT GSE2.1
Event 547

Official Magnitude:
Ml 3.05

Error ellipse:

	Azim	Dip	Mag
Max:	37	79	1.3500
Intermediate:	256	8	0.4900
Min:	165	7	0.3100

STOP

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556784699 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 548 12 km from Shetaj, Durrës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2019/03/31	07:59:15.53		0.20	41.5035	19.3663				6.2	2.5	16	32	131	0.40	1.69	m	
589																	

Magnitude	Err	Nsta	Author	OrigID
M1	2.0	0.0	4	589

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
TIR	0.40	0.0	Pg	07:59:24.368	0.0									m		8860	
TIR	0.41	112.0	Sg	07:59:30.130	-0.1									m		8841	
TIR	0.41	112.0	AM1	07:59:31.520								0.5	0.32	a	M1	1.8	5091
ULC	0.47	350.0	Pg	07:59:24.823	-0.3									m		8842	
PUK	0.67	35.0	Sg	07:59:38.601	-0.1									m		8844	
PUK	0.67	35.0	Pg	07:59:28.611	-0.2									m		8843	
PUK	0.67	35.0	AM1	07:59:40.810								0.4	0.40	a	M1	2.1	5092
DRME	0.70	350.0	Pg	07:59:29.448	0.0									m		8845	
PHP	0.83	76.0	Sg	07:59:43.661	-0.1									m		8847	
PHP	0.83	76.0	Pg	07:59:30.967	-0.7									m		8846	
PHP	0.83	76.0	AM1	07:59:48.910								0.2	0.36	a	M1	1.9	5093
BUM	0.87	337.0	Pg	07:59:32.968	0.2									m		8848	
BCI	1.01	31.0	Sg	07:59:48.489	-1.7									m		8850	
BCI	1.01	31.0	Pg	07:59:33.453	-1.9									m		8849	
BCI	1.01	31.0	AM1	07:59:53.940								0.2	0.42	a	M1	2.0	5094
CEME	1.09	343.0	Pn	07:59:37.215	0.2									m		8851	
HCY	1.15	326.0	Pn	07:59:36.513	-1.6									m		8852	
NKME	1.30	347.0	Pn	07:59:40.740	-0.2									m		8853	
KOME	1.35	4.0	Pn	07:59:42.201	0.3									m		8854	
BRY	1.52	337.0	Pn	07:59:44.748	-0.2									m		8855	
SCTE	1.58	206.0	Pn	07:59:45.946	0.0									m		8857	
SCTE	1.58	206.0	Sn	08:00:08.501	-0.2									m		8856	
NEST	1.68	129.0	Pn	07:59:48.002	0.4									m		8858	
FNA	1.69	114.0	Pn	07:59:47.727	-0.1									m		8859	

DATA_TYPE COMMENT GSE2.1

Event 548

Official Magnitude:

M1 1.97

Error ellipse:

	Azim	Dip	Mag
Max:	40	78	2.5000
Intermediate:	263	8	0.4800
Min:	172	8	0.4200

STOP

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556784698 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 549 9 km from Shetaj, Durrës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/31	08:03:20.25		0.28	41.5262	19.3980				8.6	2.5	18	32	117	0.40	1.67	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.7	0.0	4	590
Md	2.5	0.0	2	590

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
TIR	0.38	0.0	Pg	08:03:29.135	0.0					---				m		8881	
TIR	0.39	116.0	Sg	08:03:34.619	0.1					---				m		8861	
TIR	0.39	116.0	AMl	08:03:36.370						---		0.4	0.36	a	Ml	1.7	5098
TIR	0.39	116.0	AMl	08:03:36.040						---		0.3	0.28	a	Ml	1.5	5097
ULC	0.45	346.0	Pg	08:03:29.438	-0.1					---				m		8862	
PUK	0.63	35.0	Sg	08:03:42.743	0.4					---				m		8864	
PUK	0.63	35.0	Pg	08:03:32.924	0.0					---				m		8863	
PUK	0.63	35.0	AMl	08:03:48.490						---		0.2	0.28	a	Ml	1.7	5099
PUK	0.63	35.0	AMd	08:04:16.192						---		0.0	43.27	a	Md	2.6	5095
DRME	0.68	347.0	Pg	08:03:33.567	-0.3					---				m		8865	
PHP	0.80	78.0	Sg	08:03:47.208	-0.3					---				m		8867	
PHP	0.80	78.0	Pg	08:03:35.702	-0.1					---				m		8866	
PHP	0.80	78.0	AMl	08:03:49.440						---		0.2	0.32	a	Ml	1.8	5100
PHP	0.80	78.0	AMd	08:04:08.323						---		0.0	32.62	a	Md	2.4	5096
BUM	0.86	335.0	Pn	08:03:37.832	0.6					---				m		8868	
BCI	0.98	30.0	Pg	08:03:38.714	-0.7					---				m		8870	
BCI	0.98	30.0	Sg	08:03:53.871	0.0					---				m		8869	
CEME	1.08	341.0	Pn	08:03:41.354	-0.2					---				m		8871	
HCY	1.14	324.0	Pn	08:03:43.028	0.3					---				m		8872	
NKME	1.28	346.0	Pn	08:03:45.189	-0.0					---				m		8873	
KOME	1.33	3.0	Pn	08:03:46.744	0.8					---				m		8874	
BEY	1.39	15.0	Pn	08:03:46.707	-0.5					---				m		8875	
SCTE	1.61	207.0	Sn	08:04:12.902	-1.2					---				m		8877	
SCTE	1.61	207.0	Pn	08:03:50.781	-0.2					---				m		8876	
NEST	1.67	131.0	Pn	08:03:52.407	0.3					---				m		8878	
FNA	1.67	115.0	Sn	08:04:14.687	-1.4					---				m		8880	
FNA	1.67	115.0	Pn	08:03:52.362	0.2					---				m		8879	
FNA	1.67	115.0	AMl	08:04:16.810						---		0.0	0.42	a	Ml	1.9	5101

DATA_TYPE COMMENT GSE2.1
 Event 549

Official Magnitude:

Ml 1.74

Error ellipse:

	Azim	Dip	Mag
Max:	37	79	2.5600
Intermediate:	229	9	0.6600
Min:	139	2	0.5200

STOP

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556784696 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 550 9 km from Shetaj, Durrës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/31	19:09:46.05		0.30	41.5272	19.3965				14.5	1.6	31	32	75	0.40	2.46	m	
OrigID 591																	

Magnitude	Err	Nsta	Author	OrigID
Ml	3.2	0.0	10	591
Md	2.7	0.0	2	591

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.40	0.0	Pg	19:09:54.863	0.0									mc_		8916
TIR	0.39	116.0	Sg	19:10:00.575	-0.1									m_		8882
TIR	0.39	116.0	AMl	19:10:01.950								11.8	0.42	a_	Ml	3.2
TIR	0.39	116.0	AMl	19:10:03.010								7.3	0.44	a_	Ml	3.0
ULC	0.45	346.0	Pg	19:09:55.362	-0.1									mc_		8883
PUK	0.63	35.0	Sg	19:10:08.491	0.2									m_		8885
PUK	0.63	35.0	Pg	19:09:58.606	-0.1									mc_		8884
PUK	0.63	35.0	AMl	19:10:15.090								3.1	0.30	a_	Ml	3.0
PUK	0.63	35.0	AMl	19:10:16.670								3.0	0.32	a_	Ml	3.0
PUK	0.63	35.0	AMd	19:10:40.549								0.0	41.94	a_	Md	2.6
DRME	0.68	347.0	Pg	19:09:59.179	-0.5									mc_		8886
PHP	0.80	78.0	Sg	19:10:13.310	-0.0									m_		8888
PHP	0.80	78.0	Pg	19:10:01.524	-0.1									m_		8887
PHP	0.80	78.0	AMl	19:10:19.550								3.7	0.54	a_	Ml	3.2
PHP	0.80	78.0	AMd	19:10:58.611								0.0	57.09	a_	Md	2.9
BPA1	0.83	166.0	Sg	19:10:15.005	0.3									m_		8889
BUM	0.86	335.0	Pg	19:10:02.848	-0.2									m_		8890
BCI	0.98	30.0	Sg	19:10:19.555	0.1									m_		8892
BCI	0.98	30.0	Pg	19:10:04.464	-0.7									md_		8891
BCI	0.98	30.0	AMl	19:10:26.100								2.9	0.62	a_	Ml	3.2

CEME	1.08	341.0	Pn	19:10:06.103	-1.0	---	m_	8893
HCY	1.14	324.0	Pn	19:10:08.303	0.1	---	m_	8894
PVY	1.15	21.0	Pn	19:10:07.532	-0.8	---	m_	8895
NKME	1.28	346.0	Pn	19:10:10.820	0.2	---	m_	8896
KOME	1.32	3.0	Pn	19:10:11.580	0.2	---	m_	8897
KBN	1.38	130.0	Sg	19:10:31.376	-0.1	---	m_	8899
KBN	1.38	130.0	Pg	19:10:12.324	0.3	---	m_	8898
KBN	1.38	130.0	AM1	19:10:37.290		2.1	0.48 a_ M1 3.4	5110
BEY	1.39	15.0	Pn	19:10:12.289	-0.3	---	m_	8900
BRY	1.51	336.0	Pn	19:10:15.068	0.4	---	md_	8901
SCTE	1.61	207.0	Sn	19:10:39.112	-0.2	---	m_	8903
SCTE	1.61	207.0	Pn	19:10:16.286	-0.2	---	mc_	8902
SCTE	1.61	207.0	AM1	19:10:42.420		2.6	0.18 a_ M1 3.7	5111
LSK	1.65	146.0	Sn	19:10:40.204	-0.1	---	m_	8905
LSK	1.65	146.0	Pn	19:10:17.408	0.4	---	m_	8904
LSK	1.65	146.0	AM1	19:10:52.540		1.8	0.84 a_ M1 3.5	5112
NEST	1.67	131.0	Pn	19:10:18.237	0.7	---	m_	8906
NEST	1.67	131.0	AM1	19:10:44.750		1.1	0.50 a_ M1 3.3	5113
FNA	1.67	115.0	Sn	19:10:40.925	-0.4	---	m_	8908
FNA	1.67	115.0	Pn	19:10:17.792	0.2	---	m_	8907
FNA	1.67	115.0	AM1	19:10:42.530		2.7	0.64 a_ M1 3.7	5114
SRN	1.71	164.0	Sn	19:10:41.301	-1.6	---	m_	8910
SRN	1.71	164.0	Pn	19:10:17.068	-1.5	---	m_	8909
SRN	1.71	164.0	AM1	19:10:52.890		0.5	0.40 a_ M1 3.0	5115
UPM	1.71	349.0	Pn	19:10:18.376	0.1	---	m_	8911
PLE	1.80	0.0	Pn	19:10:20.250	0.4	---	m_	8912
NOCI	1.91	249.0	Pn	19:10:21.446	-0.1	---	m_	8913
IGT	2.12	160.0	Pn	19:10:23.855	-0.7	---	m_	8914
MRVN	2.46	261.0	Pn	19:10:26.222	-3.4	---	mc_	8915

DATA_TYPE COMMENT GSE2.1
Event 550

Official Magnitude:
M1 3.21

Error ellipse:

	Azim	Dip	Mag
Max:	50	82	1.5800
Intermediate:	252	6	0.5200
Min:	162	3	0.3600

STOP

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556784695 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 551 7 km from Shetaj, Durrës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/31	19:43:20.06		0.21	41.5422	19.4120				11.7	1.1	23	32	76	0.40	1.93	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.5	0.0	6	592
Md	2.4	0.0	1	592

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
TIR	0.39	0.0	Pg	19:43:28.517	0.0									m		8943	
TIR	0.39	119.0	Sg	19:43:34.425	0.0									m		8917	
TIR	0.39	119.0	AMl	19:43:34.930								1.6	0.52	a	Ml	2.3	5117
ULC	0.44	344.0	Pg	19:43:29.000	-0.1									m		8918	
PUK	0.62	35.0	Sn	19:43:41.890	0.3									m		8920	
PUK	0.62	35.0	Pg	19:43:32.299	-0.1									m		8919	
PUK	0.62	35.0	AMl	19:43:44.640								0.7	0.32	a	Ml	2.3	5118
PUK	0.62	35.0	AMd	19:44:05.879								0.0	33.58	a	Md	2.4	5116
DRME	0.66	346.0	Pg	19:43:33.332	-0.1									m		8921	
PHP	0.78	79.0	Sg	19:43:46.886	-0.1									m		8923	
PHP	0.78	79.0	Pg	19:43:35.090	-0.3									m		8922	
PHP	0.78	79.0	AMl	19:43:51.950								0.8	0.44	a	Ml	2.5	5119
BUM	0.85	334.0	Pg	19:43:37.119	0.2									m		8924	
BCI	0.96	30.0	Sg	19:43:53.087	0.1									m		8926	
BCI	0.96	30.0	Pg	19:43:38.121	-0.8									m		8925	
BCI	0.96	30.0	AMl	19:43:58.590								0.6	0.78	a	Ml	2.5	5120
CEME	1.07	341.0	Pn	19:43:41.715	0.7									m		8927	
PVY	1.13	21.0	Pn	19:43:41.435	-0.7									m		8928	
HCY	1.14	324.0	Pn	19:43:42.359	0.1									m		8929	
NKME	1.27	345.0	Pn	19:43:44.956	0.4									m		8930	
KOME	1.31	3.0	Pn	19:43:45.054	-0.3									m		8931	
BEY	1.38	15.0	Pn	19:43:45.773	-0.7									m		8932	
KBN	1.39	130.0	Sg	19:44:06.024	0.2									m		8934	
KBN	1.39	130.0	Pg	19:43:45.279	-0.9									m		8933	
KBN	1.39	130.0	AMl	19:44:11.260								0.4	0.56	a	Ml	2.7	5121
BRY	1.50	335.0	Pn	19:43:48.894	0.2									m		8935	
SCTE	1.63	207.0	Pn	19:43:50.962	-0.0									m		8936	
FNA	1.67	116.0	Sn	19:44:14.976	-0.5									m		8938	
FNA	1.67	116.0	Pn	19:43:51.847	0.1									m		8937	
FNA	1.67	116.0	AMl	19:44:16.830								0.2	0.44	a	Ml	2.6	5122
NEST	1.67	131.0	Pn	19:43:52.097	0.3									m		8939	
UPM	1.70	348.0	Pn	19:43:52.138	-0.1									m		8940	
PLE	1.79	0.0	Pn	19:43:53.418	-0.4									m		8941	
NOCI	1.93	248.0	Pn	19:43:55.949	-0.1									m		8942	

DATA_TYPE COMMENT GSE2.1
Event 551

Official Magnitude:
Ml 2.52

Error ellipse:

	Azim	Dip	Mag
Max:	46	75	1.1600
Intermediate:	229	14	0.4400
Min:	139	1	0.3200

STOP

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556784695 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 552 1.2 km from Kepi i Rodonit, Durrës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/31	20:04:34.93		0.26	41.5742	19.4458				12.4	1.3	22	32	174	0.39	1.75	m	593

Magnitude	Err	Nsta	Author	OrigID
Ml	3.1	0.0	5	593
Md	2.9	0.0	3	593

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
TIR	0.38	0.0	Pg	20:04:43.211	0.0					---				mc_		8969	
TIR	0.39	125.0	Sg	20:04:49.115	-0.1					---				m_		8944	
ULC	0.42	340.0	Pg	20:04:43.823	0.2					---				mc_		8945	
PUK	0.57	35.0	Sg	20:04:57.194	2.1					---				m_		8947	
PUK	0.57	35.0	Pg	20:04:46.872	0.4					---				mc_		8946	
PUK	0.57	35.0	AMl	20:05:00.880						---		2.8	0.30	a_	Ml	2.8	5127
PUK	0.57	35.0	AMl	20:05:04.600						---		3.3	0.22	a_	Ml	2.9	5126
PUK	0.57	35.0	AMd	20:05:45.248						---		0.0	58.38	a_	Md	2.9	5123
DRME	0.64	343.0	Pg	20:04:47.560	-0.3					---				m_		8948	
PHP	0.75	81.0	Sg	20:05:00.593	-0.2					---				m_		8950	
PHP	0.75	81.0	Pg	20:04:49.803	0.1					---				m_		8949	
PHP	0.75	81.0	AMl	20:05:06.680						---		3.5	0.44	a_	Ml	3.1	5128
PHP	0.75	81.0	AMd	20:05:47.821						---		0.0	58.02	a_	Md	2.9	5124
BUM	0.83	331.0	Pg	20:04:51.521	0.0					---				m_		8951	
BCI	0.92	30.0	Sg	20:05:06.815	0.3					---				m_		8953	
BCI	0.92	30.0	Pg	20:04:52.691	-0.3					---				m_		8952	
BCI	0.92	30.0	AMl	20:05:15.550						---		2.4	0.58	a_	Ml	3.1	5129
BCI	0.92	30.0	AMd	20:05:45.620						---		0.0	52.93	a_	Md	2.8	5125
CEME	1.05	339.0	Pn	20:04:55.023	-0.5					---				m_		8954	
PVY	1.09	20.0	Pn	20:04:55.753	-0.6					---				m_		8955	
HCY	1.13	322.0	Pn	20:04:57.116	0.2					---				m_		8956	

NKME	1.25	344.0	Pn	20:04:59.054	0.1	---										m	8957
KOME	1.28	2.0	Pn	20:04:59.727	0.2	---										m	8958
BEY	1.34	14.0	Pn	20:05:00.543	-0.1	---										m	8959
KBN	1.39	132.0	Sn	20:05:20.804	0.1	---										m	8961
KBN	1.39	132.0	Pn	20:05:01.668	0.6	---										m	8960
KBN	1.39	132.0	AMl	20:05:24.310		---				1.5	0.52	a	Ml	3.3			5130
BRY	1.49	334.0	Pn	20:05:02.967	-0.3	---										m	8962
FNA	1.66	117.0	Sn	20:05:29.981	-0.0	---										m	8964
FNA	1.66	117.0	Pn	20:05:06.118	-0.3	---										m	8963
FNA	1.66	117.0	AMl	20:05:31.530		---				0.8	0.52	a	Ml	3.2			5131
SCTE	1.67	207.0	Pn	20:05:05.113	-1.4	---										m	8965
LSK	1.67	148.0	Pn	20:05:06.492	0.1	---										m	8966
UPM	1.67	347.0	Pn	20:05:06.841	0.2	---										m	8967
PLE	1.75	359.0	Pn	20:05:09.004	1.0	---										m	8968

DATA_TYPE COMMENT GSE2.1
Event 552

Official Magnitude:
Ml 3.12

Error ellipse:

	Azim	Dip	Mag
Max:	48	75	1.3700
Intermediate:	229	14	0.8000
Min:	319	0	0.3700

STOP

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556784694 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 553 7 km from Shetaj, Durrës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/31	20:20:34.83		0.15	41.5292	19.4162				3.7	2.6	15	32	117	0.39	1.66	m	594

Magnitude	Err	Nsta	Author	OrigID
Ml	2.2	0.0	4	594
Md	2.6	0.0	1	594

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
TIR	0.38	0.0	Pg	20:20:43.330	0.0					---				m		8987	
TIR	0.38	118.0	Sg	20:20:49.108	0.0					---				m		8970	
TIR	0.38	118.0	AMl	20:20:49.900						---		1.0	0.54	a	Ml	2.1	5133

ULC	0.45	345.0	Pg	20:20:44.234	-0.1	---	---	---	---	---	---	---	---	---	---	---	mc_	8971	
PUK	0.62	34.0	Sg	20:20:57.331	0.4	---	---	---	---	---	---	---	---	---	---	---	m_	8973	
PUK	0.62	34.0	Pg	20:20:47.463	-0.0	---	---	---	---	---	---	---	---	---	---	---	m_	8972	
PUK	0.62	34.0	AMl	20:21:01.250		---	---	---	---	---	---	---	---	---	---	---	a_ Ml	2.0	5134
PUK	0.62	34.0	AMd	20:21:28.968		---	---	---	---	---	---	---	---	---	---	---	a_ Md	2.6	5132
DRME	0.68	346.0	Pg	20:20:48.450	-0.2	---	---	---	---	---	---	---	---	---	---	---	m_	8974	
PHP	0.78	78.0	Sg	20:21:02.011	0.0	---	---	---	---	---	---	---	---	---	---	---	m_	8976	
PHP	0.78	78.0	Pg	20:20:50.199	-0.2	---	---	---	---	---	---	---	---	---	---	---	m_	8975	
PHP	0.78	78.0	AMl	20:21:07.040		---	---	---	---	---	---	---	---	---	---	---	a_ Ml	2.3	5135
BCI	0.97	29.0	Sg	20:21:08.235	-0.2	---	---	---	---	---	---	---	---	---	---	---	m_	8978	
BCI	0.97	29.0	Pg	20:20:53.044	-1.0	---	---	---	---	---	---	---	---	---	---	---	m_	8977	
BCI	0.97	29.0	AMl	20:21:13.670		---	---	---	---	---	---	---	---	---	---	---	a_ Ml	2.3	5136
CEME	1.08	341.0	Pn	20:20:56.826	0.5	---	---	---	---	---	---	---	---	---	---	---	m_	8979	
HCY	1.15	324.0	Pn	20:20:57.691	0.1	---	---	---	---	---	---	---	---	---	---	---	m_	8980	
NKME	1.28	345.0	Pn	20:21:00.482	0.3	---	---	---	---	---	---	---	---	---	---	---	m_	8981	
KOME	1.32	3.0	Pn	20:21:00.345	-0.6	---	---	---	---	---	---	---	---	---	---	---	m_	8982	
BRY	1.52	335.0	Pn	20:21:04.299	-0.1	---	---	---	---	---	---	---	---	---	---	---	md_	8983	
SCTE	1.62	207.0	Pn	20:21:06.075	-0.1	---	---	---	---	---	---	---	---	---	---	---	m_	8984	
FNA	1.66	116.0	Pn	20:21:06.951	-0.0	---	---	---	---	---	---	---	---	---	---	---	m_	8985	
NEST	1.66	131.0	Pn	20:21:07.082	0.1	---	---	---	---	---	---	---	---	---	---	---	m_	8986	

DATA_TYPE COMMENT GSE2.1
Event 553

Official Magnitude:
Ml 2.18

Error ellipse:

	Azim	Dip	Mag
Max:	263	80	2.6100
Intermediate:	46	7	0.4500
Min:	137	6	0.3400

STOP

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556784693 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 554 12 km from Bishtkamzë, Durrës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/31	20:38:45.36		0.36	41.4890	19.3592				25.3	1.6	32	32	66	0.40	2.87	m	
595																	

Magnitude	Err	Nsta	Author	OrigID
Ml	3.6	0.0	8	595

Md 3.4 0.0 2 595

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.41	0.0	Pg	20:38:55.119	0.0											9024
TIR	0.41	110.0	Sg	20:39:00.999	-0.1											8988
TIR	0.41	110.0	AMl	20:39:01.530								10.8	0.52	a__	Ml	5139
ULC	0.48	351.0	Pg	20:38:55.808	0.2											8989
ULC	0.48	351.0	AMd	20:40:24.123								0.0	88.32	a__	Md	5137
PUK	0.68	35.0	Sg	20:39:08.959	-0.2											8991
PUK	0.68	35.0	Pg	20:38:58.081	-0.9											8990
PUK	0.68	35.0	AMl	20:39:16.280								8.0	0.32	a__	Ml	5140
DRME	0.71	350.0	P	20:38:59.443	-0.1											8992
PHP	0.83	76.0	Sg	20:39:13.637	0.1											8994
PHP	0.83	76.0	Pg	20:39:01.480	0.0											8993
PHP	0.83	76.0	AMl	20:39:18.650								7.8	0.48	a__	Ml	5141
PHP	0.83	76.0	AMd	20:40:47.562								0.0	106.08	a__	Md	5138
BUM	0.88	338.0	P	20:39:03.180	0.6											8995
BCI	1.02	30.0	Sg	20:39:20.068	0.3											8997
BCI	1.02	30.0	Pg	20:39:04.724	-0.3											8996
BCI	1.02	30.0	AMl	20:39:25.260								6.3	0.70	a__	Ml	5142
VLO	1.02	174.0	Pg	20:39:09.003	4.6											8998
CEME	1.11	343.0	P	20:39:06.593	0.0											8999
HCY	1.16	327.0	P	20:39:07.779	0.3											9000
PVY	1.20	22.0	Pn	20:39:07.740	-0.4											9001
NKME	1.31	347.0	P	20:39:10.469	0.3											9002
KOME	1.37	4.0	P	20:39:10.826	-0.3											9003
KBN	1.38	128.0	Sg	20:39:30.822	0.6											9005
KBN	1.38	128.0	Pg	20:39:14.302	3.3											9004
KBN	1.38	128.0	AMl	20:39:38.200								3.4	0.68	a__	Ml	5143
BEY	1.44	16.0	P	20:39:11.726	-0.7											9006
BRY	1.54	337.0	P	20:39:14.552	0.5											9007
SCTE	1.56	206.0	Sn	20:39:36.150	-0.2											9009
SCTE	1.56	206.0	Pn	20:39:14.673	0.2											9008
SCTE	1.56	206.0	AMl	20:39:39.360								3.8	0.46	a__	Ml	5144
LSK	1.63	144.0	Sn	20:39:38.128	-0.0											9011
LSK	1.63	144.0	Pn	20:39:15.540	0.0											9010
LSK	1.63	144.0	AMl	20:39:52.570								3.7	0.68	a__	Ml	5145
NEST	1.67	129.0	S	20:39:39.428	0.1											9013
NEST	1.67	129.0	P	20:39:16.293	0.1											9012
NEST	1.67	129.0	AMl	20:39:44.970								1.8	0.70	a__	Ml	5146
SRN	1.68	162.0	Sn	20:39:40.318	0.1											9015
SRN	1.68	162.0	P	20:39:17.478	0.8											9014
UPM	1.74	350.0	P	20:39:17.931	0.6											9016
PLE	1.84	0.0	Pn	20:39:18.850	0.1											9017
NOCI	1.87	249.0	Sn	20:39:46.290	1.7											9019
NOCI	1.87	249.0	Pn	20:39:18.969	-0.2											9018
MRVN	2.42	261.0	P	20:39:26.716	-0.6											9020
SGRT	2.71	277.0	P	20:39:30.058	-1.5											9021
THE	2.86	106.0	P	20:39:33.322	-0.4											9022
LKD2	2.87	159.0	P	20:39:33.564	-0.4											9023

DATA_TYPE COMMENT GSE2.1
 Event 554

Official Magnitude:
 Ml 3.60

Error ellipse:

	Azim	Dip	Mag
Max:	39	66	1.7700
Intermediate:	263	17	0.6300
Min:	168	16	0.4500

STOP

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556784692 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 555 6 km from Shetaj, Durrës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/31	22:01:47.70		0.43	41.5678	19.4183				14.5	3.7	19	17	129	0.40	2.48	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.0	0.0	5	596

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
TIR	0.40	0.0	Pg	22:01:56.025	0.0									m		9046	
TIR	0.40	123.0	Sg	22:02:02.543	0.0									m		9025	
TIR	0.40	123.0	AMl	22:02:05.750								0.5	0.36	a	Ml	1.8	5147
ULC	0.41	343.0	Pg	22:01:56.273	-0.1									m		9026	
PUK	0.59	36.0	Sg	22:02:08.382	-0.1									m		9028	
PUK	0.59	36.0	Pg	22:01:59.308	-0.3									m		9027	
PUK	0.59	36.0	AMl	22:02:17.570								0.3	0.52	a	Ml	1.8	5148
DRME	0.64	345.0	Pn	22:02:00.466	-0.2									m		9029	
PHP	0.78	81.0	S	22:02:14.545	0.3									m		9031	
PHP	0.78	81.0	P	22:02:02.352	-0.5									m		9030	
PHP	0.78	81.0	AMl	22:02:23.290								0.3	0.28	a	Ml	2.1	5149
BUM	0.83	333.0	Pn	22:02:04.539	0.4									m		9032	
BCI	0.93	31.0	S	22:02:19.966	0.3									m		9034	
BCI	0.93	31.0	Pn	22:02:05.135	-0.8									m		9033	
BCI	0.93	31.0	AMl	22:02:30.730								0.2	0.36	a	Ml	2.0	5150
CEME	1.05	340.0	Pn	22:02:07.533	-0.6									m		9035	
PVY	1.11	21.0	P	22:02:09.045	-0.1									m		9036	
HCY	1.12	323.0	Pn	22:02:09.899	0.5									m		9037	

NKME	1.25	345.0	Pn	22:02:11.930	0.3	---	m	9038
BEY	1.35	15.0	Pn	22:02:13.770	0.3	---	m	9039
KBN	1.40	131.0	S	22:02:35.353	1.8	---	m	9041
KBN	1.40	131.0	Pn	22:02:14.847	0.9	---	m	9040
KBN	1.40	131.0	AM1	22:02:42.400		---	0.2 0.58 a M1 2.3	5151
BRY	1.48	335.0	Pn	22:02:16.291	0.5	---	m	9042
UPM	1.68	348.0	Pn	22:02:19.627	0.3	---	m	9043
MRVN	2.48	260.0	S	22:02:57.944	-6.5	---	m	9045
MRVN	2.48	260.0	P	22:02:30.953	-0.6	---	m	9044

DATA_TYPE COMMENT GSE2.1
Event 555

Official Magnitude:
Ml 1.97

Error ellipse:

	Azim	Dip	Mag
Max:	70	77	3.7800
Intermediate:	205	9	1.1400
Min:	296	9	0.8000

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556784692 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 556 12 km from Bishtkamzë, Durrës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/31	22:14:27.78		0.36	41.4932	19.3572				25.5	1.9	24	32	55	0.40	2.71	m	597

Magnitude	Err	Nsta	Author	OrigID
Ml	3.8	0.0	6	597

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.41	0.0	Pg	22:14:37.263	0.0					---				m		9074
TIR	0.41	110.0	Sg	22:14:43.728	0.1					---				m		9047
TIR	0.41	110.0	AM1	22:14:44.400						---		20.4	0.46	a M1	3.5	5152
ULC	0.48	351.0	Pg	22:14:38.061	0.1					---				m		9048
PUK	0.68	35.0	Sg	22:14:51.307	-0.2					---				m		9050
PUK	0.68	35.0	Pg	22:14:40.838	-0.5					---				mci		9049
PUK	0.68	35.0	AM1	22:14:58.470						---		12.4	0.36	a M1	3.6	5153
DRME	0.70	350.0	P	22:14:41.719	-0.2					---				m		9051
PHP	0.83	76.0	S	22:14:56.362	0.3					---				m		9053
PHP	0.83	76.0	P	22:14:43.581	-0.3					---				m		9052

Magnitude Err Nsta Author OrigID
M1 2.3 0.0 3 598

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.35	0.0	Pg	22:17:17.310	0.0									mci		9092
TIR	0.35	126.0	Sg	22:17:23.789	-0.0									m		9075
TIR	0.35	126.0	AM1	22:17:23.390								1.6	0.54	a	M1	2.3
DRME	0.67	341.0	P	22:17:22.045	-1.1									m		9076
PHP	0.72	79.0	Sg	22:17:34.397	0.1									m		9078
PHP	0.72	79.0	Pg	22:17:23.971	0.2									mdi		9077
PHP	0.72	79.0	AM1	22:17:41.040								0.5	0.30	a	M1	2.3
BUM	0.87	330.0	P	22:17:26.280	-0.3									m		9079
BCI	0.92	27.0	Sg	22:17:40.471	-0.2									m		9081
BCI	0.92	27.0	Pg	22:17:26.938	-0.4									m		9080
BCI	0.92	27.0	AM1	22:17:45.530								0.5	0.46	a	M1	2.5
CEME	1.08	337.0	P	22:17:30.375	0.0									m		9082
VLO	1.09	181.0	Sg	22:17:44.858	-0.0									m		9084
VLO	1.09	181.0	Pg	22:17:31.525	1.8									mci		9083
PVY	1.10	18.0	P	22:17:30.234	-0.4									m		9085
NKME	1.27	342.0	P	22:17:34.308	0.5									m		9086
KOME	1.29	0.0	P	22:17:34.792	0.7									m		9087
BEY	1.35	12.0	P	22:17:35.397	0.3									m		9088
BRY	1.52	333.0	P	22:17:37.940	-0.0									m		9089
SCTE	1.67	209.0	Sn	22:18:01.216	-2.2									m		9091
SCTE	1.67	209.0	Pn	22:17:40.180	-0.1									m		9090

DATA_TYPE COMMENT GSE2.1
Event 557

Official Magnitude:
M1 2.34

Error ellipse:

	Azim	Dip	Mag
Max:	98	71	2.4000
Intermediate:	257	17	0.7600
Min:	349	6	0.5800

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556784690 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 558 12 km from Shetaj, Durrës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	

2019/03/31 22:19:17.96 0.68 41.5020 19.3718 22.0 2.5 36 28 65 0.40 2.88 m
599

Magnitude	Err	Nsta	Author	OrigID
Ml	2.4	0.0	8	599
Md	2.6	0.0	1	599

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.41	0.0	Pg	22:19:26.712	0.0											9133
TIR	0.40	112.0	Sg	22:19:33.379	0.2											9093
TIR	0.40	112.0	AMl	22:19:33.950								1.2	0.40	a__	Ml	2.3
ULC	0.47	349.0	Pg	22:19:27.194	-0.7											9094
ULC	0.47	349.0	AMd	22:20:09.965								0.0	42.77	a__	Md	2.6
PUK	0.67	35.0	Sg	22:19:41.129	0.0											9096
PUK	0.67	35.0	Pg	22:19:30.088	-1.1											9095
PUK	0.67	35.0	AMl	22:19:47.820								0.6	0.50	a__	Ml	2.3
DRME	0.70	349.0	Pn	22:19:31.615	-0.3											9097
PHP	0.82	76.0	Sg	22:19:45.687	-0.0											9099
PHP	0.82	76.0	Pg	22:19:33.470	-0.4											9098
PHP	0.82	76.0	AMl	22:19:49.510								0.6	0.30	a__	Ml	2.5
BUM	0.87	337.0	Pn	22:19:35.585	0.6											9100
BCI	1.01	30.0	Sg	22:19:51.292	-0.5											9102
BCI	1.01	30.0	Pg	22:19:35.695	-1.6											9101
BCI	1.01	30.0	AMl	22:20:02.180								0.4	0.38	a__	Ml	2.4
CEME	1.10	343.0	Pn	22:19:39.089	0.1											9103
HCY	1.15	326.0	Pn	22:19:40.161	0.2											9104
PVY	1.18	22.0	Pn	22:19:39.602	-0.9											9105
NKME	1.30	347.0	Pn	22:19:43.577	1.0											9106
KOME	1.35	4.0	Pn	22:19:44.789	1.3											9107
KBN	1.38	128.0	Sn	22:20:03.014	0.2											9109
KBN	1.38	128.0	Pn	22:19:45.613	2.0											9108
BEY	1.42	15.0	Pn	22:19:44.132	-0.6											9110
BRY	1.53	337.0	Pn	22:19:47.398	0.8											9111
SCTE	1.58	207.0	Sn	22:20:09.676	-0.0											9113
SCTE	1.58	207.0	Pn	22:19:46.519	-1.0											9112
SCTE	1.58	207.0	AMl	22:20:17.520								0.4	0.28	a__	Ml	2.8
LSK	1.64	145.0	Sn	22:20:10.082	-1.2											9115
LSK	1.64	145.0	Pn	22:19:49.464	1.0											9114
NEST	1.67	129.0	Sn	22:20:12.348	-0.0											9117
NEST	1.67	129.0	Pn	22:19:49.954	0.9											9116
NEST	1.67	129.0	AMl	22:20:21.570								0.1	0.54	a__	Ml	2.4
FNA	1.68	114.0	Sn	22:20:12.495	-0.2											9119
FNA	1.68	114.0	Pn	22:19:49.740	0.5											9118
SRN	1.69	163.0	Sn	22:20:13.008	-0.5											9121
SRN	1.69	163.0	Pn	22:19:50.402	0.7											9120
SRN	1.69	163.0	AMl	22:20:21.310								0.1	0.58	a__	Ml	2.4
UPM	1.73	349.0	Pn	22:19:50.737	0.7											9122
NOCI	1.88	249.0	Sn	22:20:17.612	-0.5											9124
NOCI	1.88	249.0	Pn	22:19:51.682	-0.6											9123
IGT	2.10	159.0	Sn	22:20:23.681	0.0											9126

IGT	2.10	159.0	Pn	22:19:56.491	1.0	---										mce	9125
MRVN	2.43	261.0	Sn	22:20:32.186	-0.1	---										m__	9128
MRVN	2.43	261.0	Pn	22:19:57.884	-2.5	---										mce	9127
SGRT	2.72	277.0	Sn	22:20:35.653	-3.9	---										m__	9130
SGRT	2.72	277.0	Pn	22:20:01.905	-2.7	---										mci	9129
SGRT	2.72	277.0	AM1	22:20:39.570		---				0.1	0.34	a__	M1	2.5			5169
LKD2	2.88	159.0	Sn	22:20:39.527	-4.3	---										m__	9132
LKD2	2.88	159.0	Pn	22:20:05.073	-2.0	---										mci	9131

DATA_TYPE COMMENT GSE2.1
Event 558

Official Magnitude:
M1 2.42

Error ellipse:

	Azim	Dip	Mag
Max:	20	74	2.5800
Intermediate:	258	8	0.8800
Min:	166	13	0.7000

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

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180011 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 458 2.5 km from Vatatades, Epirus, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/03	01:00:34.48		0.25	39.7925	20.6397				20.7	1.7	11	7	197	0.35	1.90	m	
497																	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.0	0.0	4	497
Md	2.7	0.0	3	497

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
IGT	0.35	223.0	Sg	01:00:48.500	0.3									m		7453	
IGT	0.35	223.0	P	01:00:42.121	-0.2									m		7452	
IGT	0.35	223.0	AMd	01:01:27.503								0.0	45.38	a	Md	2.0	4277
LSK	0.36	355.0	S	01:00:48.693	0.6									m		7455	
LSK	0.36	355.0	Pg	01:00:42.162	-0.1									m		7454	
LSK	0.36	355.0	AMl	01:00:51.960								1.8	0.48	a	Ml	2.4	4280
LSK	0.36	355.0	AMd	01:01:38.445								0.0	56.28	a	Md	2.9	4278
SRN	0.50	281.0	Sg	01:00:53.318	-0.1									m		7457	
SRN	0.50	281.0	Pg	01:00:44.829	-0.5									m		7456	
SRN	0.50	281.0	AMl	01:00:56.820								0.7	0.36	a	Ml	2.1	4281
SRN	0.50	281.0	AMd	01:01:31.099								0.0	46.27	a	Md	2.7	4279
NEST	0.70	0.0	P	01:00:47.825	0.0									m		7463	
NEST	0.70	26.0	Sg	01:00:58.583	-0.2									m		7458	
NEST	0.70	26.0	AMl	01:01:00.690								0.2	0.32	a	Ml	1.9	4282
KBN	0.84	7.0	Sg	01:01:02.677	0.3									m		7460	
KBN	0.84	7.0	Pg	01:00:51.113	0.7									m		7459	
KBN	0.84	7.0	AMl	01:01:07.420								0.1	0.34	a	Ml	1.8	4283
PHP	1.90	356.0	Sn	01:01:34.474	-0.1									m		7462	
PHP	1.90	356.0	P	01:01:09.074	0.2									m		7461	

DATA_TYPE COMMENT GSE2.1
Event 458

Official Magnitude:
Ml 2.01

Error ellipse:

	Azim	Dip	Mag
Max:	155	79	1.6700
Intermediate:	302	8	1.2200
Min:	33	6	0.4500

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180010 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 479 13 km from EreikoÅ°ssa, Ionian Islands, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/09	00:36:18.42		0.22	39.9613	19.7083				6.8	2.2	10	31	147	0.24	1.52	m	

519

Magnitude	Err	Nsta	Author	OrigID
Ml	1.4	0.0	4	519
Md	2.3	0.0	3	519

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
SRN	0.24	109.0	Sg	00:36:27.044	-1.1					---				m		7752	
SRN	0.24	109.0	Pg	00:36:22.995	-1.0					---				m		7751	
SRN	0.24	109.0	AMl	00:36:29.510						---		0.1	0.20	a	Ml	1.1	4458
SRN	0.24	109.0	AMl	00:36:28.170						---		0.2	0.22	a	Ml	1.3	4457
SRN	0.24	109.0	AMd	00:36:54.748						---		0.0	31.75	a	Md	2.3	4454
IGT	0.64	131.0	Sg	00:36:41.099	0.1					---				m		7754	
IGT	0.64	131.0	Pg	00:36:31.225	-0.1					---				m		7753	
IGT	0.64	131.0	AMl	00:36:48.310						---		0.1	0.30	a	Ml	1.4	4459
IGT	0.64	131.0	AMd	00:37:12.185						---		0.0	40.96	a	Md	2.0	4455
LSK	0.71	74.0	Sg	00:36:42.925	-0.1					---				m		7756	
LSK	0.71	74.0	Pg	00:36:32.210	-0.3					---				m		7755	
LSK	0.71	74.0	AMl	00:36:51.050						---		0.1	0.34	a	Ml	1.5	4460
LSK	0.71	74.0	AMd	00:37:10.511						---		0.0	38.30	a	Md	2.5	4456
SCTE	0.95	0.0	Pg	00:36:37.364	0.0					---				m		7762	
SCTE	0.96	278.0	Sg	00:36:51.506	-0.1					---				m		7757	
NEST	1.12	65.0	Sg	00:36:58.019	1.0					---				m		7759	
NEST	1.12	65.0	Pg	00:36:40.722	0.2					---				m		7758	
FNA	1.52	56.0	Sg	00:37:09.455	-0.2					---				m		7761	
FNA	1.52	56.0	Pg	00:36:48.098	0.4					---				m		7760	
FNA	1.52	56.0	AMl	00:37:14.710						---		0.0	0.32	a	Ml	1.7	4461

DATA_TYPE COMMENT GSE2.1
Event 479

Official Magnitude:
Ml 1.37

Error ellipse:

	Azim	Dip	Mag
Max:	195	77	2.2800
Intermediate:	0	12	0.6400
Min:	91	3	0.4200

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180009 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 483 1.0 km from K³niaris, Epirus, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	

2019/03/09 22:21:40.45 0.54 39.4007 20.9612 5.0 3.7 14 10 189 0.50 2.31 m
523

Magnitude	Err	Nsta	Author	OrigID
Ml	2.8	0.0	6	523
Md	2.6	0.0	3	523

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
IGT	0.51	286.0	Sg	22:21:58.429	-0.2					---				m		7794
IGT	0.51	286.0	Pg	22:21:50.061	-0.8					---				m		7793
IGT	0.51	286.0	AMd	22:22:30.211						---		0.0	40.15	a	Md	1.9
LKD2	0.65	202.0	S	22:22:04.159	0.6					---				m		7796
LKD2	0.65	202.0	Pg	22:21:52.888	-0.8					---				m		7795
LKD2	0.65	202.0	AMl	22:22:07.820						---		1.8	0.58	a	Ml	2.7
LSK	0.80	340.0	Sg	22:22:08.431	0.3					---				m		7798
LSK	0.80	340.0	P	22:21:55.246	-1.0					---				m		7797
LSK	0.80	340.0	AMl	22:22:11.750						---		2.4	0.84	a	Ml	3.0
LSK	0.80	340.0	AMd	22:22:57.431						---		0.0	62.18	a	Md	3.0
SRN	0.88	304.0	S	22:22:12.301	0.4					---				m		7800
SRN	0.88	304.0	Pg	22:21:56.594	-1.8					---				m		7799
SRN	0.88	304.0	AMl	22:22:16.970						---		0.3	0.34	a	Ml	2.1
SRN	0.88	304.0	AMd	22:22:40.853						---		0.0	44.26	a	Md	2.6
NEST	1.02	0.0	P	22:21:59.409	0.0					---				m		7808
NEST	1.01	3.0	Sg	22:22:15.152	-0.5					---				m		7801
NEST	1.01	3.0	AMl	22:22:20.060						---		0.5	0.32	a	Ml	2.5
KBN	1.23	354.0	Sg	22:22:22.307	0.4					---				m		7803
KBN	1.23	354.0	Pg	22:22:04.905	0.7					---				m		7802
KBN	1.23	354.0	AMl	22:22:30.730						---		0.6	0.66	a	Ml	2.8
FNA	1.42	13.0	S	22:22:28.313	-0.5					---				m		7805
FNA	1.42	13.0	P	22:22:08.830	0.8					---				m		7804
PHP	2.31	351.0	Sn	22:22:54.135	-0.2					---				m		7807
PHP	2.31	351.0	Pn	22:22:22.928	0.2					---				m		7806
PHP	2.31	351.0	AMl	22:23:02.120						---		0.2	1.08	a	Ml	2.9

DATA_TYPE COMMENT GSE2.1
Event 483

Official Magnitude:
Ml 2.75

Error ellipse:

	Azim	Dip	Mag
Max:	164	84	3.6800
Intermediate:	286	3	1.5700
Min:	16	5	0.8600

BEGIN GSE2.1
MSG_TYPE DATA

MSG_ID 1556180009 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 485 0.9 km from Ovsine, Kotor, Montenegro

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/10	18:54:48.31		0.06	42.5742	18.6098				4.1	1.0	8	14	136	0.15	1.09	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.7	0.0	1	525
Md	2.6	0.0	5	525

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
H CY	0.16	216.0	P	18:54:51.827	-0.1									m		7821	
H CY	0.16	216.0	AMd	18:55:28.054								0.0	36.23	a	Md	2.4	4505
CEME	0.23	96.0	P	18:54:53.518	0.1									m		7822	
CEME	0.23	96.0	AMd	18:55:44.454								0.0	50.94	a	Md	2.7	4506
NKME	0.32	53.0	P	18:54:55.136	-0.1									m		7823	
NKME	0.32	53.0	AMd	18:55:34.009								0.0	38.87	a	Md	2.5	4507
BRY	0.33	352.0	P	18:54:55.418	0.0									m		7824	
BRY	0.33	352.0	AMd	18:55:38.413								0.0	42.99	a	Md	2.6	4508
BUM	0.35	141.0	P	18:54:55.841	0.1									m		7825	
BUM	0.35	141.0	AMd	18:55:41.596								0.0	45.76	a	Md	2.7	4509
DRME	0.58	131.0	P	18:54:59.888	-0.3									m		7826	
KOME	0.72	67.0	P	18:55:02.934	0.0									m		7827	
ULC	0.78	0.0	P	18:55:02.763	0.0									m		7830	
PUK	1.09	118.0	S	18:55:25.827	-0.1									m		7829	
PUK	1.09	118.0	P	18:55:09.816	0.0									m		7828	
PUK	1.09	118.0	AM1	18:55:31.780								0.1	0.24	a	Ml	1.7	4511
PUK	1.09	118.0	AM1	18:55:31.970								0.1	0.24	a	Ml	1.7	4510

DATA_TYPE COMMENT GSE2.1
Event 485

Official Magnitude:
Ml 1.70

Error ellipse:

	Azim	Dip	Mag
Max:	252	70	1.1000
Intermediate:	35	16	0.4400
Min:	128	11	0.4200

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180008 athena

DATA_TYPE BULLETIN GSE2.1:SHORT

Event 487 2.4 km from Molos, Ionian Islands, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/12	00:56:20.06		0.19	39.4560	20.0328				0.0	1.5	9	6	155	0.24	1.36	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.5	0.0	4	528
Md	3.2	0.0	4	528

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
IGT	0.24	71.0	Sg	00:56:30.063	0.2					---				m__		7866
IGT	0.24	71.0	Pg	00:56:24.519	-1.2					---				mdi		7865
IGT	0.24	71.0	AMd	00:57:46.888						---		0.0	82.37	a__ Md	2.6	4524
SRN	0.42	357.0	Sg	00:56:37.206	0.1					---				m__		7868
SRN	0.42	357.0	Pg	00:56:29.472	-0.3					---				mde		7867
SRN	0.42	357.0	AMl	00:56:37.760						---		1.1	0.42	a__ Ml	2.2	4528
SRN	0.42	357.0	AMd	00:57:52.643						---		0.0	83.17	a__ Md	3.3	4525
LSK	0.82	31.0	Sn	00:56:49.399	0.0					---				m__		7870
LSK	0.82	31.0	Pn	00:56:35.949	-0.9					---				mce		7869
LSK	0.82	31.0	AMl	00:57:02.540						---		0.8	0.46	a__ Ml	2.6	4529
LSK	0.82	31.0	AMd	00:58:18.266						---		0.0	102.32	a__ Md	3.5	4526
LKD2	0.82	143.0	Sg	00:56:49.945	0.1					---				m__		7872
LKD2	0.82	143.0	Pg	00:56:36.878	-0.2					---				mce		7871
LKD2	0.82	143.0	AMl	00:56:55.050						---		1.2	0.28	a__ Ml	2.7	4530
LKD2	0.82	143.0	AMd	00:57:53.883						---		0.0	77.00	a__ Md	3.2	4527
NEST	1.24	38.0	Sn	00:57:03.731	0.2					---				m__		7874
NEST	1.24	38.0	Pn	00:56:43.762	-1.2					---				m__		7873
NEST	1.24	38.0	AMl	00:57:13.560						---		0.3	0.38	a__ Ml	2.4	4531
SCTE	1.35	0.0	Pn	00:56:46.519	0.0					---				mde		7876
SCTE	1.36	298.0	Sn	00:57:07.613	0.0					---				m__		7875

DATA_TYPE COMMENT GSE2.1

Event 487

Official Magnitude:

Ml 2.47

Error ellipse:

	Azim	Dip	Mag
Max:	166	86	1.4800
Intermediate:	57	1	0.4200
Min:	327	4	0.3300

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556180007 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 492 2.6 km from ThesprotikÃ³, Epirus, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/14	04:12:52.60		0.32	39.2302	20.7995				38.0	1.0	18	32	180	0.45	3.20	m	

533

Magnitude	Err	Nsta	Author	OrigID
M1	3.1	0.0	9	533

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
LKD2	0.45	195.0	Sg	04:13:11.561	0.4									m		7943	
LKD2	0.45	195.0	Pg	04:13:02.750	-0.5									m		7942	
LKD2	0.45	195.0	AM1	04:13:14.270								6.4	0.38	a	M1	3.1	4564
IGT	0.47	310.0	Sg	04:13:11.814	0.1									m		7945	
IGT	0.47	310.0	Pg	04:13:03.203	-0.3									mc		7944	
IGT	0.47	310.0	AM1	04:13:14.160								3.4	0.24	a	M1	2.9	4565
SRN	0.90	317.0	Sg	04:13:24.211	-0.1									m		7947	
SRN	0.90	317.0	Pg	04:13:10.426	-0.3									m		7946	
SRN	0.90	317.0	AM1	04:13:29.350								1.5	0.54	a	M1	2.9	4566
LSK	0.93	351.0	Sg	04:13:24.516	0.1									m		7949	
LSK	0.93	351.0	Pg	04:13:11.021	0.2									m		7948	
LSK	0.93	351.0	AM1	04:13:32.700								3.4	0.78	a	M1	3.3	4568
LSK	0.93	351.0	AM1	04:13:38.080								2.7	0.90	a	M1	3.2	4567
NEST	1.20	9.0	Sg	04:13:32.174	0.1									m		7951	
NEST	1.20	9.0	Pg	04:13:14.855	-0.3									mc		7950	
NEST	1.20	9.0	AM1	04:13:38.450								0.6	0.38	a	M1	2.7	4569
KBN	1.39	0.0	Sg	04:13:38.128	1.6									m		7953	
KBN	1.39	0.0	Pg	04:13:18.224	0.5									m		7952	
KBN	1.39	0.0	AM1	04:13:45.110								1.1	0.66	a	M1	3.2	4570
FNA	1.61	15.0	Sn	04:13:43.159	-0.2									m		7955	
FNA	1.61	15.0	Pn	04:13:21.297	-0.3									m		7954	
FNA	1.61	15.0	AM1	04:13:49.190								0.6	0.66	a	M1	3.1	4571
SCTE	1.99	296.0	Sn	04:13:52.500	-0.5									m		7957	
SCTE	1.99	296.0	Pn	04:13:27.252	0.1									m		7956	
SCTE	1.99	296.0	AM1	04:13:54.610								0.7	0.26	a	M1	3.4	4572
TIR	2.24	0.0	Pn	04:13:34.079	0.0									m		7962	
PHP	2.47	354.0	Pn	04:13:35.304	1.4									m		7958	
PUK	2.89	347.0	Pn	04:13:40.682	0.4									m		7959	
BCI	3.18	351.0	Pn	04:13:45.048	0.5									m		7960	
BCI	3.18	351.0	AM1	04:14:26.460								0.4	0.44	a	M1	3.5	4573
DRME	3.20	339.0	Pn	04:13:44.396	-0.5									mc		7961	

DATA_TYPE COMMENT GSE2.1
 Event 492

Official Magnitude:
Ml 3.13

Error ellipse:

	Azim	Dip	Mag
Max:	255	40	1.4600
Intermediate:	130	33	0.9600
Min:	16	32	0.6400

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180007 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 493 2.2 km from Káto Kotsanópoulo, Epirus, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/14	00:14:59.33		0.46	39.2067	20.7467				36.9	1.1	19	32	173	0.42	3.20	m	534

Magnitude	Err	Nsta	Author	OrigID
Ml	2.8	0.0	10	534

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
LKD2	0.42	190.0	Sg	00:15:17.246	0.3					---				m		7964	
LKD2	0.42	190.0	Pg	00:15:08.109	-1.3					---				m		7963	
LKD2	0.42	190.0	AM1	00:15:21.690						---		4.5	0.34	a	M1	2.9	4575
LKD2	0.42	190.0	AM1	00:15:24.880						---		5.4	0.30	a	M1	3.0	4574
IGT	0.46	316.0	Sg	00:15:18.021	0.1					---				m		7966	
IGT	0.46	316.0	Pg	00:15:09.341	-0.6					---				m		7965	
IGT	0.46	316.0	AM1	00:15:20.520						---		2.0	0.24	a	M1	2.6	4576
SRN	0.89	320.0	Sg	00:15:31.478	0.8					---				m		7968	
SRN	0.89	320.0	Pg	00:15:16.610	-0.6					---				m		7967	
SRN	0.89	320.0	AM1	00:15:37.870						---		0.5	0.52	a	M1	2.5	4577
LSK	0.95	354.0	Sg	00:15:31.744	0.1					---				m		7970	
LSK	0.95	354.0	Pg	00:15:17.081	-0.7					---				m		7969	
LSK	0.95	354.0	AM1	00:15:38.120						---		1.2	0.56	a	M1	2.9	4578
NEST	1.23	10.0	Sg	00:15:39.780	0.0					---				m		7972	
NEST	1.23	10.0	Pg	00:15:20.013	-2.4					---				m		7971	
NEST	1.23	10.0	AM1	00:15:44.470						---		0.3	0.38	a	M1	2.5	4579
KBN	1.42	1.0	Sn	00:15:44.759	0.7					---				m		7974	
KBN	1.42	1.0	Pn	00:15:25.213	0.3					---				m		7973	
KBN	1.42	1.0	AM1	00:15:52.230						---		0.6	0.78	a	M1	2.9	4581
KBN	1.42	1.0	AM1	00:15:50.510						---		0.3	0.88	a	M1	2.7	4580
FNA	1.65	17.0	Sg	00:15:50.500	-0.7					---				m		7976	
FNA	1.65	17.0	Pn	00:15:29.449	0.5					---				m		7975	

FNA	1.65	17.0	AM1	00:15:55.610	---	0.3	0.36	a	M1	2.8	4582
SCTE	1.96	298.0	Sn	00:15:58.928	-0.3	---	---	m	---	---	7978
SCTE	1.96	298.0	Pn	00:15:33.947	0.4	---	---	m	---	---	7977
SCTE	1.96	298.0	AM1	00:15:59.370	---	0.5	0.46	a	M1	3.1	4583
PHP	2.49	355.0	Pn	00:15:41.214	0.2	---	---	m	---	---	7979
PHP	2.49	355.0	AM1	00:16:26.520	---	0.1	0.58	a	M1	2.8	4584
PUK	2.91	348.0	Pn	00:15:47.291	-0.0	---	---	m	---	---	7980
ULC	3.00	0.0	Pn	00:15:47.132	0.0	---	---	m	---	---	7983
BCI	3.20	351.0	Pn	00:15:51.572	-0.1	---	---	m	---	---	7981
BCI	3.20	351.0	AM1	00:16:32.290	---	0.2	0.66	a	M1	3.2	4585
DRME	3.20	339.0	Pn	00:15:50.780	-1.1	---	---	m	---	---	7982

DATA_TYPE COMMENT GSE2.1
Event 493

Official Magnitude:
M1 2.84

Error ellipse:

	Azim	Dip	Mag
Max:	258	37	1.7200
Intermediate:	137	33	1.3600
Min:	20	35	0.8900

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180007 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 494 1.6 km from Louros, Epirus, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/14	04:57:11.13		0.81	39.1525	20.7625				39.2	3.1	18	32	177	0.37	3.25	m	535

Magnitude	Err	Nsta	Author	OrigID
M1	3.5	0.0	8	535

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
LKD2	0.37	193.0	Sg	04:57:28.766	0.9				---	---				m		7985	
LKD2	0.37	193.0	Pg	04:57:20.323	-0.4				---	---				m		7984	
LKD2	0.37	193.0	AM1	04:57:34.210					---	---		18.9	0.46	a	M1	3.5	4587
LKD2	0.37	193.0	AM1	04:57:37.100					---	---		18.1	0.36	a	M1	3.5	4586
IGT	0.51	319.0	Sg	04:57:31.022	-0.2				---	---				m		7987	
IGT	0.51	319.0	Pg	04:57:20.881	-1.7				---	---				m		7986	
IGT	0.51	319.0	AM1	04:57:36.050					---	---		5.1	0.64	a	M1	3.1	4588
SRN	0.94	322.0	Sg	04:57:44.280	0.4				---	---				m		7989	

SRN	0.94	322.0	Pg	04:57:27.714	-2.1	---											m		7988
SRN	0.94	322.0	AM1	04:57:49.250		---					3.3	0.58	a	M1	3.3				4590
SRN	0.94	322.0	AM1	04:57:54.120		---					1.6	0.46	a	M1	3.0				4589
LSK	1.04	0.0	Pg	04:57:28.014	0.0	---											mc		8003
LSK	1.00	353.0	Sg	04:57:45.111	0.2	---											m		7990
LSK	1.00	353.0	AM1	04:57:49.070		---					5.9	0.72	a	M1	3.6				4591
NEST	1.28	9.0	Sn	04:57:52.974	0.3	---											m		7992
NEST	1.28	9.0	Pn	04:57:34.434	-0.5	---											m		7991
NEST	1.28	9.0	AM1	04:58:04.810		---					1.4	0.58	a	M1	3.2				4592
KBN	1.47	0.0	Sg	04:57:58.383	1.3	---											m		7994
KBN	1.47	0.0	Pg	04:57:38.163	0.8	---											m		7993
KBN	1.47	0.0	AM1	04:58:05.030		---					3.1	0.70	a	M1	3.7				4593
VLO	1.64	324.0	Pn	04:57:45.010	5.3	---											m		7995
FNA	1.70	16.0	Sn	04:58:03.211	-0.7	---											m		7997
FNA	1.70	16.0	Pn	04:57:39.853	-1.4	---											m		7996
FNA	1.70	16.0	AM1	04:58:09.100		---					1.7	0.64	a	M1	3.6				4594
SCTE	2.00	299.0	Pn	04:57:45.003	-0.7	---											m		7998
TIR	2.30	343.0	Pn	04:57:49.586	-0.5	---											m		7999
PHP	2.54	355.0	Pn	04:57:54.499	1.1	---											m		8000
PUK	2.96	348.0	Pn	04:58:00.783	1.0	---											m		8001
BCI	3.25	351.0	Pn	04:58:03.338	-0.7	---											m		8002
BCI	3.25	351.0	AM1	04:58:45.830		---					0.8	0.62	a	M1	3.9				4595

DATA_TYPE COMMENT GSE2.1
Event 494

Official Magnitude:
M1 3.51

Error ellipse:

	Azim	Dip	Mag
Max:	235	44	4.4200
Intermediate:	118	24	2.8700
Min:	9	36	1.3300

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180007 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 495 1.4 km from Ampelia, Epirus, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/14	02:22:45.96		0.58	39.2325	20.9428				19.4	3.6	16	32	195	0.49	3.24	m	
536																	

Magnitude Err Nsta Author OrigID

M1 2.8 0.0 7 536

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
LKD2	0.53	0.0	Pg	02:22:56.582	0.0									m		8023
LKD2	0.50	207.0	Sg	02:23:04.748	0.7									m		8004
LKD2	0.50	207.0	AM1	02:23:10.730								4.1	0.26	a	M1	2.9
IGT	0.56	303.0	Sg	02:23:05.880	-0.3									m		8006
IGT	0.56	303.0	Pg	02:22:56.789	-0.7									mc		8005
IGT	0.56	303.0	AM1	02:23:08.120								1.6	0.26	a	M1	2.6
LSK	0.95	344.0	Sg	02:23:18.163	0.0									m		8008
LSK	0.95	344.0	Pg	02:23:04.204	-0.1									m		8007
LSK	0.95	344.0	AM1	02:23:25.270								1.2	0.50	a	M1	2.8
SRN	0.97	312.0	Sg	02:23:19.864	0.2									m		8010
SRN	0.97	312.0	Pg	02:23:03.802	-1.4									m		8009
SRN	0.97	312.0	AM1	02:23:22.830								0.6	0.52	a	M1	2.6
NEST	1.18	3.0	Sg	02:23:25.674	0.2									m		8012
NEST	1.18	3.0	Pg	02:23:08.418	-0.1									m		8011
KBN	1.39	356.0	Sg	02:23:32.039	0.8									m		8014
KBN	1.39	356.0	Pg	02:23:11.664	-0.2									m		8013
KBN	1.39	356.0	AM1	02:23:39.360								0.6	0.76	a	M1	2.8
FNA	1.58	12.0	Pn	02:23:16.100	0.5									m		8015
VLO	1.66	319.0	Sn	02:23:40.009	0.9									m		8017
VLO	1.66	319.0	Pn	02:23:16.847	0.5									m		8016
VLO	1.66	319.0	AM1	02:23:45.430								0.9	0.92	a	M1	3.2
SCTE	2.09	295.0	Sn	02:23:46.443	-5.3									m		8019
SCTE	2.09	295.0	Pn	02:23:20.923	-2.7									m		8018
SCTE	2.09	295.0	AM1	02:23:48.100								0.4	0.26	a	M1	3.1
PHP	2.48	352.0	Pn	02:23:28.626	-0.4									m		8020
BCI	3.20	349.0	Pn	02:23:38.971	-0.8									m		8021
DRME	3.24	337.0	Pn	02:23:37.777	-2.7									m		8022

DATA_TYPE COMMENT GSE2.1
Event 495

Official Magnitude:
M1 2.84

Error ellipse:

	Azim	Dip	Mag
Max:	220	68	3.8900
Intermediate:	110	7	1.6700
Min:	17	20	1.0300

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180007 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 496 1.3 km from Agía Eleoúsa, Epirus, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/14	02:26:18.55		0.41	39.2345	20.8438				30.3	1.4	20	32	185	0.47	3.21	m	

Magnitude	Err	Nsta	Author	OrigID
M1	2.9	0.0	9	537

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
LKD2	0.47	199.0	Sg	02:26:36.996	0.4									m		8025	
LKD2	0.47	199.0	Pg	02:26:28.922	0.1									m		8024	
LKD2	0.47	199.0	AM1	02:26:43.040								7.2	0.26	a	M1	3.1	4604
LKD2	0.47	199.0	AM1	02:26:40.930								8.7	0.22	a	M1	3.2	4603
IGT	0.50	307.0	Sg	02:26:37.587	0.2									m		8027	
IGT	0.50	307.0	P	02:26:28.854	-0.5									md		8026	
IGT	0.50	307.0	AM1	02:26:39.940								2.6	0.28	a	M1	2.7	4605
SRN	0.92	315.0	Sg	02:26:50.972	0.4									m		8029	
SRN	0.92	315.0	Pg	02:26:35.984	-0.9									m		8028	
SRN	0.92	315.0	AM1	02:26:57.240								0.9	0.42	a	M1	2.7	4606
LSK	0.93	349.0	Sg	02:26:50.894	0.7									m		8031	
LSK	0.93	349.0	Pg	02:26:36.181	-0.5									m		8030	
LSK	0.93	349.0	AM1	02:26:58.540								2.7	0.84	a	M1	3.2	4607
NEST	1.19	7.0	Sg	02:26:58.070	-0.1									m		8033	
NEST	1.19	7.0	Pg	02:26:40.367	-0.8									m		8032	
NEST	1.19	7.0	AM1	02:27:03.930								0.6	0.38	a	M1	2.7	4608
KBN	1.39	359.0	Sn	02:27:03.520	0.3									m		8035	
KBN	1.39	359.0	Pn	02:26:44.171	0.1									m		8034	
KBN	1.39	359.0	AM1	02:27:09.750								0.6	0.54	a	M1	2.9	4609
FNA	1.60	14.0	Sn	02:27:09.801	-0.2									m		8037	
FNA	1.60	14.0	Pn	02:26:48.411	0.5									m		8036	
FNA	1.60	14.0	AM1	02:27:13.700								0.6	0.62	a	M1	3.0	4610
VLO	1.61	321.0	Sn	02:27:11.991	3.0									m		8039	
VLO	1.61	321.0	Pn	02:26:48.790	1.4									m		8038	
VLO	1.61	321.0	AM1	02:27:16.820								1.2	0.50	a	M1	3.3	4611
SCTE	2.02	296.0	Sn	02:27:20.733	-0.1									m		8041	
SCTE	2.02	296.0	Pn	02:26:53.869	-0.3									m		8040	
PHP	2.47	353.0	Sg	02:27:31.988	0.1									m		8043	
PHP	2.47	353.0	Pn	02:27:00.956	0.5									m		8042	
PHP	2.47	353.0	AM1	02:27:48.150								0.1	1.08	a	M1	2.7	4612
PUK	2.90	346.0	Pn	02:27:06.507	-0.4									m		8044	
BCI	3.19	0.0	Pn	02:27:11.295	0.0									mc		8046	
DRME	3.21	338.0	Pn	02:27:10.241	-1.4									md		8045	

DATA_TYPE COMMENT GSE2.1
Event 496

Official Magnitude:
M1 2.94

Error ellipse:

	Azim	Dip	Mag
Max:	226	67	1.5600
Intermediate:	109	10	1.1800
Min:	15	20	0.6700

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556180006 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 503 0.4 km from Ágios Nikólaos, Epirus, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/16	10:34:25.25		0.09	39.6983	20.3273				17.3	0.7	9	12	127	0.17	1.48	m	
OrigID	544																

Magnitude	Err	Nsta	Author	OrigID
Ml	2.3	0.0	6	544
Md	3.2	0.0	5	544

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
IGT	0.17	179.0	Sg	10:34:33.245	-0.0									m		8151
IGT	0.17	179.0	Pg	10:34:29.904	0.1									m		8150
IGT	0.17	179.0	AMl	10:34:34.008								11.8	0.22	a	Ml	3.0
IGT	0.17	179.0	AMd	10:35:05.292								0.0	35.39	a	Md	1.8
SRN	0.31	306.0	Sg	10:34:38.137	0.1									m		8153
SRN	0.31	306.0	Pg	10:34:32.412	-0.1									m		8152
SRN	0.31	306.0	AMl	10:34:41.988								0.6	0.32	a	Ml	1.8
SRN	0.31	306.0	AMd	10:35:26.850								0.0	54.44	a	Md	2.8
LSK	0.50	0.0	Pg	10:34:35.107	0.0									m		8161
LSK	0.50	24.0	Sg	10:34:42.978	-0.1									m		8154
LSK	0.50	24.0	AMl	10:34:46.218								0.9	0.50	a	Ml	2.2
NEST	0.90	37.0	Sg	10:34:56.352	0.0									m		8156
NEST	0.90	37.0	Pg	10:34:43.064	0.1									m		8155
NEST	0.90	37.0	AMl	10:35:05.668								0.3	0.42	a	Ml	2.2
NEST	0.90	37.0	AMd	10:36:03.194								0.0	80.13	a	Md	3.3
LKD2	0.94	164.0	Sn	10:34:58.226	0.7									m		8158
LKD2	0.94	164.0	Pn	10:34:43.679	-0.0									m		8157
LKD2	0.94	164.0	AMl	10:35:05.438								0.5	0.44	a	Ml	2.5
LKD2	0.94	164.0	AMd	10:35:56.212								0.0	72.53	a	Md	3.2
SCTE	1.48	286.0	Sn	10:35:13.590	-0.6									m		8160
SCTE	1.48	286.0	Pn	10:34:52.735	-0.5									m		8159
SCTE	1.48	286.0	AMl	10:35:20.788								0.3	0.38	a	Ml	2.5
SCTE	1.48	286.0	AMd	10:36:06.479								0.0	73.74	a	Md	3.2

DATA_TYPE COMMENT GSE2.1
 Event 503

Official Magnitude:
 Ml 2.33

Error ellipse:

	Azim	Dip	Mag
Max:	249	61	0.8200
Intermediate:	111	21	0.4000
Min:	14	18	0.2800

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556180006 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 505 0.8 km from AidoniΆ;, Epirus, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/16	14:12:22.15		0.06	39.2065	20.6058				33.4	0.5	8	11	174	0.39	1.87	m	
OrigID 546																	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.5	0.0	4	546
Md	2.9	0.0	5	546

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
IGT	0.39	327.0	Sg	14:12:38.408	-0.0									m		8175
IGT	0.39	327.0	Pg	14:12:31.448	0.0									m		8174
IGT	0.39	327.0	AMd	14:13:31.107								0.0	59.66	a	Md	2.3
LKD2	0.42	174.0	Sg	14:12:39.237	0.0									m		8177
LKD2	0.42	174.0	Pg	14:12:31.478	-0.4									m		8176
LKD2	0.42	174.0	AMl	14:12:43.340								1.7	0.26	a	Ml	2.5
LKD2	0.42	174.0	AMd	14:13:24.806								0.0	53.33	a	Md	2.8
SRN	0.82	326.0	Sg	14:12:51.390	0.1									m		8179
SRN	0.82	326.0	Pg	14:12:38.699	-0.1									m		8178
SRN	0.82	326.0	AMl	14:12:57.460								0.3	0.50	a	Ml	2.2
SRN	0.82	326.0	AMd	14:13:33.674								0.0	54.97	a	Md	2.9
LSK	0.94	0.0	Pg	14:12:39.339	0.0									m		8184
LSK	0.94	0.0	Sg	14:12:54.171	0.1									m		8180
LSK	0.94	0.0	AMl	14:13:03.450								0.5	0.70	a	Ml	2.5
NEST	1.25	15.0	Pn	14:12:44.322	-1.6									m		8181
NEST	1.25	15.0	AMd	14:13:40.010								0.0	55.69	a	Md	2.9
SCTE	1.87	299.0	Sn	14:13:20.120	0.0									m		8183
SCTE	1.87	299.0	Pn	14:12:55.220	-0.0									m		8182
SCTE	1.87	299.0	AMl	14:13:39.450								0.2	0.62	a	Ml	2.8

SCTE 1.87 299.0 AMd 14:14:18.619 _____ 0.0 83.40 a__ Md 3.4 4699

DATA_TYPE COMMENT GSE2.1
Event 505

Official Magnitude:
Ml 2.48

Error ellipse:

	Azim	Dip	Mag
Max:	82	28	1.0600
Intermediate:	231	58	0.5300
Min:	344	14	0.3300

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180004 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 520 1.4 km from Ampelia, Epirus, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/23	07:56:21.11		0.19	39.2295	20.9445				29.9	1.4	18	11	161	0.49	2.27	m	

OrigID
561

Magnitude	Err	Nsta	Author	OrigID
Ml	3.7	0.0	10	561
Md	3.1	0.0	10	561

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
LKD2	0.49	208.0	Sg	07:56:39.943	0.1					___				m__		8399	
LKD2	0.49	208.0	Pg	07:56:31.850	0.0					___				m__		8398	
LKD2	0.49	208.0	AMl	07:56:43.880						___		22.6	0.48	a__	Ml	3.7	4860
LKD2	0.49	208.0	AMd	07:57:20.894						___		0.0	49.04	a__	Md	2.7	4850
IGT	0.56	303.0	Sg	07:56:41.167	-0.7					___				m__		8401	
IGT	0.56	303.0	Pg	07:56:33.000	0.0					___				m__		8400	
IGT	0.56	303.0	AMl	07:56:45.650						___		7.5	0.56	a__	Ml	3.3	4861
IGT	0.56	303.0	AMd	07:57:24.528						___		0.0	51.53	a__	Md	2.2	4851
LSK	0.96	344.0	Sg	07:56:53.446	-0.0					___				m__		8403	
LSK	0.96	344.0	Pg	07:56:39.628	0.0					___				m__		8402	
LSK	0.96	344.0	AMl	07:57:07.650						___		9.8	0.58	a__	Ml	3.8	4862
LSK	0.96	344.0	AMd	07:57:50.064						___		0.0	70.44	a__	Md	3.1	4852
SRN	0.98	312.0	Sg	07:56:54.825	-0.1					___				m__		8405	
SRN	0.98	312.0	Pg	07:56:39.981	-0.5					___				m__		8404	
SRN	0.98	312.0	AMl	07:57:01.030						___		3.4	0.46	a__	Ml	3.3	4863
SRN	0.98	312.0	AMd	07:57:41.851						___		0.0	61.87	a__	Md	3.0	4853
NEST	1.19	3.0	Sg	07:57:00.575	-0.1					___				m__		8407	

NEST	1.19	3.0	Pg	07:56:43.673	-0.0	---											m		8406
NEST	1.19	3.0	AMl	07:57:09.480		---				2.3	0.64	a	Ml	3.3					4864
NEST	1.19	3.0	AMd	07:57:50.090		---				0.0	66.42	a	Md	3.1					4854
KBN	1.40	0.0	Pn	07:56:50.583	0.0	---											m		8418
KBN	1.40	356.0	Sn	07:57:06.459	0.3	---											m		8408
KBN	1.40	356.0	AMl	07:57:15.400		---				5.0	0.78	a	Ml	3.8					4865
FNA	1.59	12.0	Sn	07:57:12.201	0.0	---											m		8410
FNA	1.59	12.0	Pn	07:56:50.240	-0.1	---											m		8409
FNA	1.59	12.0	AMl	07:57:18.750		---				2.8	0.66	a	Ml	3.7					4866
FNA	1.59	12.0	AMd	07:58:04.194		---				0.0	73.95	a	Md	3.2					4855
VLO	1.67	319.0	Sn	07:57:13.676	0.5	---											m		8412
VLO	1.67	319.0	Pn	07:56:51.106	0.3	---											m		8411
VLO	1.67	319.0	AMl	07:57:23.490		---				6.9	0.42	a	Ml	4.1					4867
VLO	1.67	319.0	AMd	07:57:58.544		---				0.0	67.44	a	Md	3.1					4856
THE	2.09	47.0	Sn	07:57:25.215	-0.1	---											m		8414
THE	2.09	47.0	Pn	07:56:57.751	-0.1	---											m		8413
THE	2.09	47.0	AMl	07:57:30.100		---				0.4	0.50	a	Ml	3.2					4868
THE	2.09	47.0	AMd	07:58:10.897		---				0.0	73.15	a	Md	3.2					4857
SCTE	2.09	295.0	Sn	07:57:22.021	-3.3	---											m		8416
SCTE	2.09	295.0	Pn	07:56:57.463	-0.4	---											m		8415
SCTE	2.09	295.0	AMl	07:57:24.140		---				2.0	0.60	a	Ml	3.8					4869
SCTE	2.09	295.0	AMd	07:58:18.422		---				0.0	80.96	a	Md	3.4					4858
TIR	2.27	340.0	Pn	07:57:00.732	0.3	---											m		8417
TIR	2.27	340.0	AMd	07:58:13.396		---				0.0	72.66	a	Md	3.3					4859

DATA_TYPE COMMENT GSE2.1
Event 520

Official Magnitude:
Ml 3.67

Error ellipse:

	Azim	Dip	Mag
Max:	215	64	1.5200
Intermediate:	114	4	0.6300
Min:	22	25	0.3700

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180002 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 526 0.2 km from Spuž, Danilovgrad, Montenegro

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/24	15:19:20.06		0.05	42.5147	19.1932				14.3	2.7	11	14	89	0.21	0.72	m	
567																	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.5	0.0	2	567
Md	2.4	0.0	6	567

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
CEME	0.21	280.0	Sg	15:19:28.728	0.0											8509	
CEME	0.21	280.0	Pg	15:19:24.938	-0.1											8508	
CEME	0.21	280.0	AMd	15:20:03.519								0.0	38.58	a__	Md	2.5	4908
BUM	0.30	226.0	Pg	15:19:26.749	0.0											8510	
BUM	0.30	226.0	AMd	15:20:02.736								0.0	35.99	a__	Md	2.4	4909
NKME	0.31	326.0	Pg	15:19:26.806	0.1											8511	
NKME	0.31	326.0	AMd	15:19:47.925								0.0	21.12	a__	Md	1.9	4910
DRME	0.33	181.0	Sg	15:19:32.453	-0.0											8513	
DRME	0.33	181.0	Pg	15:19:27.217	0.1											8512	
DRME	0.33	181.0	AMd	15:20:20.147								0.0	52.93	a__	Md	2.8	4911
HCY	0.53	263.0	Pg	15:19:30.542	-0.3											8514	
HCY	0.53	263.0	AMd	15:20:03.880								0.0	33.34	a__	Md	2.3	4912
ULC	0.55	175.0	Pg	15:19:31.128	-0.2											8515	
ULC	0.55	175.0	AMd	15:19:56.040								0.0	24.91	a__	Md	2.1	4913
BEY	0.63	55.0	P	15:19:32.707	-0.1											8516	
BCI	0.66	102.0	S	15:19:43.284	0.1											8517	
BCI	0.66	102.0	AMl	15:19:46.520								0.1	0.20	a__	Ml	1.5	4914
PUK	0.70	132.0	Sn	15:19:44.369	-0.1											8519	
PUK	0.70	132.0	Pn	15:19:34.027	0.1											8518	
PUK	0.70	132.0	AMl	15:19:47.110								0.1	0.28	a__	Ml	1.4	4915
UPM	0.72	0.0	Pg	15:19:33.681	0.0											8520	

DATA_TYPE COMMENT GSE2.1
Event 526

Official Magnitude:
Ml 1.47

Error ellipse:

	Azim	Dip	Mag
Max:	262	77	2.7300
Intermediate:	23	6	0.3900
Min:	114	11	0.2600

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180002 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 534 1.8 km from Skorča Gora, Opština Nikšić, Montenegro

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
------	------	-----	-----	----------	-----------	------	------	----	-------	-----	------	------	-----	-------	-------	------	--------

OrigID
 2019/03/25 16:37:14.00 0.15 42.7398 18.5430 32.3 1.0 16 25 114 0.16 2.89 m
 575

Magnitude Err Nsta Author OrigID
 Ml 3.3 0.0 5 575
 Md 2.9 0.0 14 575

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
BRY	0.16	0.0	Pg	16:37:20.438	0.1									m__		8591
BRY	0.16	0.0	AMd	16:37:50.165								0.0	29.73	a__ Md	2.2	4948
HCY	0.29	188.0	Pg	16:37:22.828	1.0									m__		8592
HCY	0.29	188.0	AMd	16:38:16.451								0.0	53.62	a__ Md	2.8	4949
NKME	0.31	84.0	Pg	16:37:21.340	-0.7									m__		8593
NKME	0.31	84.0	AMd	16:37:48.588								0.0	27.25	a__ Md	2.1	4950
CEME	0.34	124.0	Pg	16:37:22.192	-0.3									m__		8594
CEME	0.34	124.0	AMd	16:38:07.163								0.0	44.97	a__ Md	2.6	4951
UPM	0.54	30.0	Pg	16:37:25.631	0.1									m__		8595
UPM	0.54	30.0	AMd	16:38:09.091								0.0	43.46	a__ Md	2.6	4952
KOME	0.72	80.0	Pg	16:37:28.141	-0.5									m__		8596
KOME	0.72	80.0	AMd	16:38:20.832								0.0	52.69	a__ Md	2.8	4953
DRME	0.73	138.0	Pg	16:37:29.311	0.5									m__		8597
DRME	0.73	138.0	AMd	16:38:34.851								0.0	65.54	a__ Md	3.0	4954
PLE	0.86	46.0	Pg	16:37:31.035	0.1									m__		8598
PLE	0.86	46.0	AMd	16:38:21.883								0.0	50.85	a__ Md	2.8	4955
BEY	1.01	82.0	Pg	16:37:33.213	-0.3									m__		8599
BEY	1.01	82.0	AMd	16:38:35.201								0.0	61.99	a__ Md	3.0	4956
BCI	1.18	0.0	Pg	16:37:37.177	0.0									m__		8610
BCI	1.19	107.0	Sg	16:37:53.483	0.1									m__		8600
BCI	1.19	107.0	AMl	16:38:02.130								2.0	0.50	a__ Ml	3.3	4962
PUK	1.22	124.0	Sg	16:37:54.301	0.0									m__		8602
PUK	1.22	124.0	Pg	16:37:37.091	0.1									m__		8601
PUK	1.22	124.0	AMl	16:38:03.050								0.9	0.46	a__ Ml	3.0	4963
PUK	1.22	124.0	AMd	16:39:00.119								0.0	83.03	a__ Md	3.3	4957
NOCI	2.24	211.0	Sn	16:38:21.836	0.1									m__		8604
NOCI	2.24	211.0	Pn	16:37:52.767	0.1									m__		8603
NOCI	2.24	211.0	AMl	16:38:33.520								0.7	0.28	a__ Ml	3.4	4964
NOCI	2.24	211.0	AMd	16:39:30.935								0.0	98.17	a__ Md	3.6	4958
SGRT	2.29	246.0	Sn	16:38:22.913	-0.1									m__		8606
SGRT	2.29	246.0	Pn	16:37:53.418	-0.0									m__		8605
SGRT	2.29	246.0	AMl	16:38:40.890								0.6	0.44	a__ Ml	3.4	4965
SGRT	2.29	246.0	AMd	16:39:43.859								0.0	110.44	a__ Md	3.7	4959
SCTE	2.66	182.0	Sn	16:38:32.573	0.0									m__		8608
SCTE	2.66	182.0	Pn	16:37:58.160	-0.7									m__		8607
SCTE	2.66	182.0	AMl	16:38:56.980								0.3	0.32	a__ Ml	3.3	4966
SCTE	2.66	182.0	AMd	16:39:48.704								0.0	110.54	a__ Md	3.7	4960
FNA	2.89	131.0	Pn	16:38:02.196	-0.0									m__		8609
FNA	2.89	131.0	AMd	16:39:47.676								0.0	105.48	a__ Md	3.7	4961

DATA_TYPE COMMENT GSE2.1

Event 534

Official Magnitude:

Ml 3.31

Error ellipse:

	Azim	Dip	Mag
Max:	31	57	1.1500
Intermediate:	145	14	0.4500
Min:	243	29	0.3100

BEGIN GSE2.1

MSG_TYPE DATA

MSG_ID 1556180001 athena

DATA_TYPE BULLETIN GSE2.1:SHORT

Event 535 0.6 km from Radovizi, Epirus, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/25	20:29:05.52		0.02	39.5933	20.5828				27.0	0.5	15	11	148	0.21	2.95	m	576

Magnitude	Err	Nsta	Author	OrigID
Ml	2.8	0.0	7	576
Md	3.3	0.0	9	576

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
IGT	0.21	253.0	Sg	20:29:16.252	-0.0											8612
IGT	0.21	253.0	Pg	20:29:11.652	-0.0											8611
IGT	0.21	253.0	AMd	20:29:53.925								0.0	42.27	a__	Md	2.0
SRN	0.53	303.0	Sg	20:29:25.745	-0.0											8614
SRN	0.53	303.0	Pg	20:29:17.163	0.1											8613
SRN	0.53	303.0	AMl	20:29:32.598								1.1	0.44	a__	Ml	2.4
SRN	0.53	303.0	AMd	20:30:28.147								0.0	70.98	a__	Md	3.1
LSK	0.56	1.0	Sg	20:29:25.604	0.0											8616
LSK	0.56	1.0	Pg	20:29:16.984	-0.0											8615
LSK	0.56	1.0	AMl	20:29:34.478								5.9	0.54	a__	Ml	3.2
LSK	0.56	1.0	AMd	20:30:39.344								0.0	82.36	a__	Md	3.3
LKD2	0.80	175.0	Sg	20:29:33.402	0.0											8618
LKD2	0.80	175.0	Pg	20:29:21.455	0.0											8617
LKD2	0.80	175.0	AMl	20:29:44.378								1.5	0.70	a__	Ml	2.8
LKD2	0.80	175.0	AMd	20:30:42.724								0.0	81.27	a__	Md	3.3
NEST	0.89	23.0	Sg	20:29:36.151	-0.0											8620
NEST	0.89	23.0	Pg	20:29:22.996	-0.0											8619
NEST	0.89	23.0	AMl	20:29:41.458								0.6	0.60	a__	Ml	2.5
NEST	0.89	23.0	AMd	20:30:42.513								0.0	79.52	a__	Md	3.3
KBN	1.04	0.0	Pg	20:29:25.404	0.0											8628

KBN	1.04	8.0	Sg	20:29:39.851	0.0	---												m				8621	
KBN	1.04	8.0	AMl	20:29:51.818		---												0.7	1.18	a	Ml	2.7	4980
VLO	1.21	317.0	Pn	20:29:30.242	2.4	---																m	8622
VLO	1.21	317.0	AMd	20:30:34.485		---												0.0	64.24	a	Md	3.1	4972
FNA	1.34	27.0	Sn	20:29:49.731	-0.0	---																m	8624
FNA	1.34	27.0	Pn	20:29:30.781	-0.0	---																m	8623
FNA	1.34	27.0	AMl	20:29:58.498		---												0.6	0.76	a	Ml	2.8	4981
FNA	1.34	27.0	AMd	20:30:46.742		---												0.0	75.96	a	Md	3.2	4973
SCTE	1.70	288.0	Sn	20:30:00.034	-0.0	---																m	8626
SCTE	1.70	288.0	Pn	20:29:36.665	-0.0	---																m	8625
SCTE	1.70	288.0	AMl	20:30:10.148		---												0.6	0.42	a	Ml	3.1	4982
SCTE	1.70	288.0	AMd	20:31:20.117		---												0.0	103.45	a	Md	3.6	4974
NOCI	2.95	296.0	Pn	20:29:54.715	-0.4	---																m	8627
NOCI	2.95	296.0	AMd	20:31:40.610		---												0.0	105.89	a	Md	3.7	4975

DATA_TYPE COMMENT GSE2.1
Event 535

Official Magnitude:
Ml 2.81

Error ellipse:

	Azim	Dip	Mag
Max:	226	81	0.5200
Intermediate:	113	3	0.3700
Min:	23	8	0.2400

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556180001 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 538 0.5 km from Zorgianni, Epirus, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/03/26	02:49:04.55		0.12	39.6027	20.6480				0.6	1.8	7	6	154	0.25	1.31	m	
579																	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.6	0.0	2	579
Md	2.2	0.0	1	579

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
IGT	0.26	254.0	Sg	02:49:14.883	0.1											8653	
IGT	0.26	254.0	Pg	02:49:10.219	-0.2											8652	
IGT	0.26	254.0	AMl	02:49:20.718								3.0	0.48	a	Ml	2.4	4995
IGT	0.26	254.0	AMd	02:50:05.315								0.0	55.10	a	Md	2.2	4994

LSK	0.55	357.0	Sn	02:49:28.748	4.1	---			m		8655	
LSK	0.55	357.0	Pn	02:49:16.125	0.1	---			mde		8654	
LSK	0.55	357.0	AML	02:49:34.168		---	2.3	0.64	a	Ml	2.7	4996
LKD2	0.81	179.0	P	02:49:21.293	0.0	---			m		8656	
NEST	0.87	0.0	P	02:49:21.980	0.0	---			m		8660	
KBN	1.03	5.0	P	02:49:24.983	0.1	---			m		8657	
FNA	1.31	25.0	S	02:49:50.168	-0.1	---			m		8659	
FNA	1.31	25.0	P	02:49:29.991	-0.7	---			m		8658	

DATA_TYPE COMMENT GSE2.1
Event 538

Official Magnitude:
Ml 2.55

Error ellipse:

	Azim	Dip	Mag
Max:	175	82	1.8200
Intermediate:	311	5	0.7500
Min:	41	6	0.3500

Ngjerje te largeta (Long distance srismic event)

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2019-03-20			0635	29.39							5.7	Western Turkey
GAP=					hor.err=			ver.err=				
STAT	SP	IPHASW	D	HRMM	SECON			AZIMU	RES	DIS	DUR	Md
THE	AC	iP		0635	59.08							
FNA	AC	iP		0636	15.23							
NEST	AC	iP		0636	16.22							
LKD2	AC	iP		0636	19.30							
KBN	AC	iP		0636	19.64							
LSK	AC	iP		0636	19.78							
IGT	AC	iP		0636	21.81							
SRN	AC	iP		0636	26.25							
PHP	AC	iP		0636	31.08							
BPA1	AC	iP		0636	32.45							
TIR	AC	iP		0636	34.05							

BCI AC iP 0636 37.29
 PUK AC iP 0636 39.23
 SCTE AC iP 0636 43.46

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

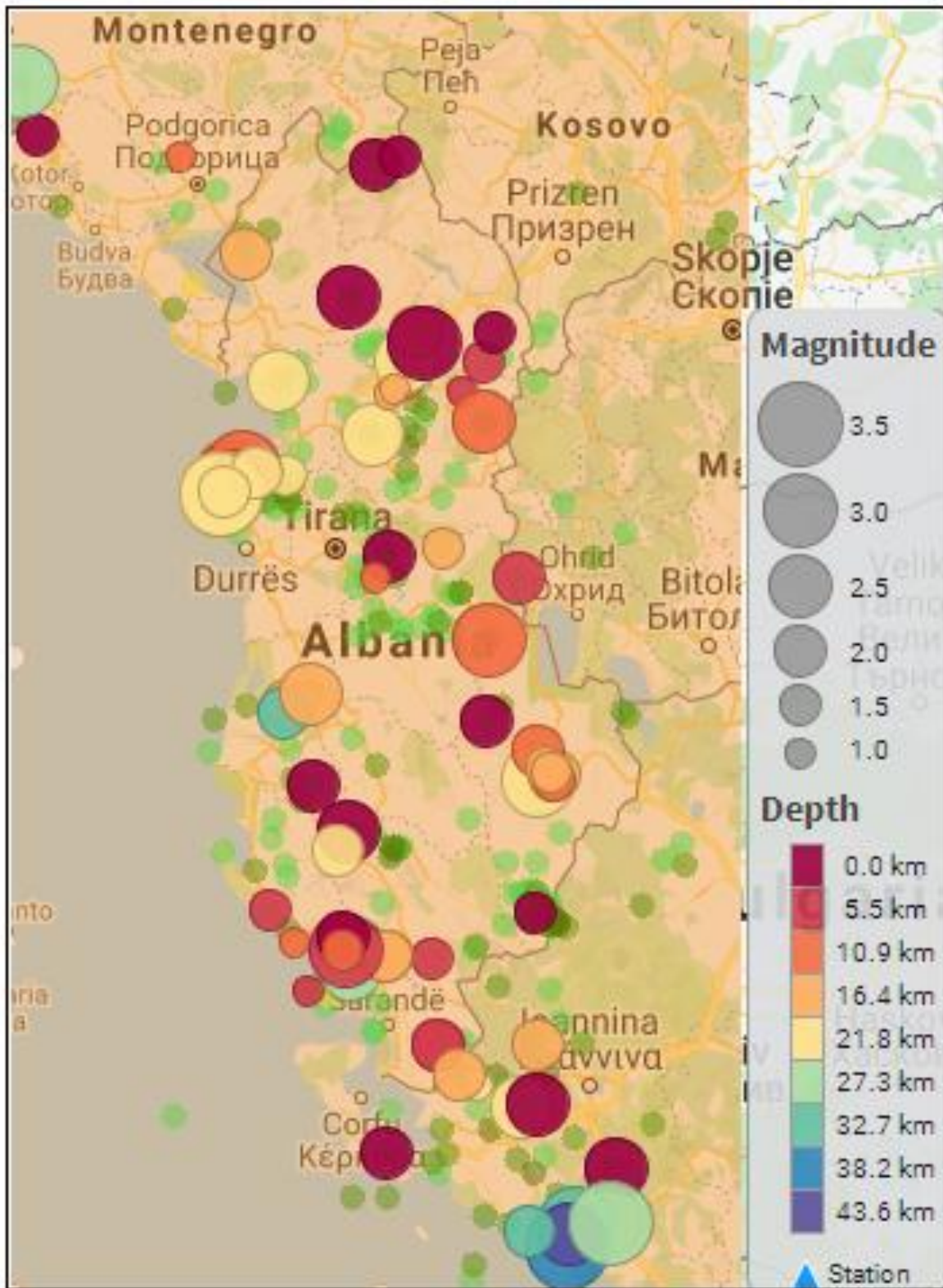
Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2019-03-04	2002	084916										LSK
GAP=				hor.err=			ver.err=					
STAT	SP	IPHASW	D	HRMM	SECON			AZIMU	RES	DIS	DUR	Md
LSK	SZ	IPG		2002	08.49							
LSK	SE	ISG		2002	09.65							

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2019-03-20	1456	25.4686										LSK
GAP=				hor.err=			ver.err=					
STAT	SP	IPHASW	D	HRMM	SECON			AZIMU	RES	DIS	DUR	Md
LSK	SZ	IPG		1456	25.46							
LSK	SE	ISG		1456	26.92							

Katalogu i termeteve

Date	Time	Rms	Lat	Long	Mag	Depth	D-Err	No.Stat	No.Ph	Azimuth-Gap
2019-03-01	05:26	0.04	40.797	20.435	2.2	0.1	0.7	9	13	122
2019-03-01	06:57	0.01	41.832	20.111	1.2	13.6	4.5	4	4	157
2019-03-01	10:32	0.22	40.613	20.646	3	24	1.2	22	21	198
2019-03-03	00:16	0.54	40.028	19.882	2.6	28.9	1.6	11	15	126
2019-03-03	01:00	0.25	39.793	20.640	2	20.7	1.7	7	11	197
2019-03-04	22:47	0.05	41.898	20.426	1.6	7.2	1.7	11	7	198
2019-03-05	01:07	0.08	40.115	19.814	1.9	6.0	1	32	11	116
2019-03-06	05:46	0.16	41.840	19.589	2.8	22.3	1.5	31	19	140
2019-03-07	15:08	0.07	41.984	20.467	1.9	1.2	1.4	17	10	174
2019-03-07	16:23	0.18	41.895	20.106	2.6	25	0.8	31	15	132
2019-03-08	10:25	0.05	40.633	20.707	2	17.1	0.6	32	10	217
2019-03-08	10:31	0.28	40.709	20.639	2.4	11.9	1.8	32	11	141
2019-03-08	11:18	0.25	40.615	20.707	1.9	14.9	1	32	10	142
2019-03-08	11:42	0.07	40.656	20.674	1.6	16.5	0.8	32	6	249
2019-03-08	11:48	0.14	40.641	20.695	1.6	18.5	0.9	6	7	245
2019-03-08	19:46	0.06	40.207	20.632	1.6	4.2	0.5	7	7	167
2019-03-09	00:36	0.22	39.961	19.708	1.4	6.8	2.2	31	10	147
2019-03-09	02:19	0.14	40.060	20.215	1.5	7.8	1.6	31	10	187
2019-03-09	05:48	0.21	41.980	20.145	2.3	18.1	0.9	31	16	149
2019-03-09	06:51	0.1	41.807	20.333	1.3	6.6	13.2	31	5	165
2019-03-09	12:24	0.05	41.955	20.180	3.4	4.3	1	13	14	152
2019-03-09	22:21	0.54	39.401	20.961	2.8	5	3.7	10	14	189
2019-03-10	06:46	0.07	41.330	20.257	1.7	16.9	1.1	32	10	128
2019-03-10	18:54	0.06	42.574	18.610	1.7	4.1	1	14	8	136
2019-03-11	12:28	0.15	40.106	19.935	1.8	1.2	1.1	32	13	103
2019-03-12	00:56	0.19	39.456	20.033	2.5	3.0	1.5	6	9	155
2019-03-12	06:41	0.35	40.453	19.876	3	1.5	1.4	23	24	86
2019-03-13	05:36	0.24	40.115	19.656	1.5	12.5	1.5	32	10	131
2019-03-14	00:14	0.46	39.207	20.747	2.8	36.9	1.1	32	19	173
2019-03-14	02:22	0.58	39.233	20.943	2.8	19.4	3.6	32	16	195
2019-03-14	02:26	0.41	39.235	20.844	2.9	30.3	1.4	32	20	185
2019-03-14	04:12	0.32	39.230	20.800	3.1	38	1	32	18	180
2019-03-14	04:57	0.81	39.153	20.763	3.5	39.2	3.1	32	18	177
2019-03-14	16:01	0.04	39.198	20.776	3	49.1	0.6	10	11	184
2019-03-15	02:30	0.29	39.791	20.239	2.2	6.4	1.9	20	16	119
2019-03-15	02:30	0.29	39.791	20.239	2.2	6.4	1.9	20	16	119
2019-03-15	04:17	0.06	39.667	20.398	1.3	24.1	13.6	20	6	185
2019-03-16	10:34	0.09	39.698	20.327	2.3	17.3	0.7	12	9	127
2019-03-16	14:12	0.06	39.207	20.606	2.5	33.4	0.5	11	8	174
2019-03-17	06:08	0.19	40.846	19.634	2.1	20.1	20.4	15	17	173
2019-03-17	18:00	0.33	40.068	20.029	2.2	16.6	2.5	9	9	218
2019-03-17	18:00	0.33	40.068	20.029	2.2	16.6	2.5	9	9	218
2019-03-18	00:38	0.26	40.823	19.609	2.3	36.3	0.8	14	19	139
2019-03-18	13:50	0.28	41.050	20.449	3.2	11.6	1.2	10	16	122
2019-03-18	22:17	0.22	41.299	20.037	2.2	4.5	2.2	10	9	132

2019-03-19 17:43	0.04	42.492	19.984	2.4	4.1	0.8	13	9	318
2019-03-20 10:13	0.18	41.235	20.571	2	7.2	15.1	20	11	138
2019-03-20 19:31	0.09	41.237	19.984	1.3	11.8	0.8	31	6	284
2019-03-20 23:10	0.29	40.211	19.553	1.9	8.3	1.7	31	14	114
2019-03-21 17:03	0.02	41.676	19.970	2.7	22.5	1	10	15	103
2019-03-23 07:56	0.19	39.230	20.945	3.7	29.9	1.4	11	18	161
2019-03-23 12:41	0.3	41.546	19.616	1.7	25	3.6	32	15	182
2019-03-23 23:35	0.16	42.090	19.878	2.6	5	0.4	32	20	107
2019-03-24 03:39	0.05	41.796	20.036	1.3	19.6	0.5	32	9	167
2019-03-24 04:01	0.09	41.814	20.061	1.4	18.6	1	32	8	171
2019-03-24 13:53	0.26	40.884	19.721	2.5	17	1	22	21	134
2019-03-24 15:19	0.05	42.515	19.193	1.5	14.3	2.7	14	11	89
2019-03-24 19:28	0.09	42.219	19.451	2.1	19.7	0.7	17	14	101
2019-03-24 19:32	0.24	40.597	19.727	2.1	3.0	1.1	8	12	111
2019-03-25 16:37	0.15	42.740	18.543	3.3	32.3	1	25	16	114
2019-03-25 20:29	0.02	39.593	20.583	2.8	27	0.5	11	15	148
2019-03-25 21:45	0.04	42.512	20.085	1.8	5.5	0.6	17	9	206
2019-03-26 02:49	0.12	39.603	20.648	2.6	0.6	1.8	6	7	154
2019-03-26 10:29	0.23	41.712	20.426	2.9	15.4	0.7	32	16	159
2019-03-27 23:17	0.48	40.394	19.828	2.1	22.2	2.7	12	16	89
2019-03-30 12:07	0.2	40.084	19.867	3.2	7.5	0.9	12	21	117
2019-03-30 13:13	0.06	40.127	19.854	2.2	1	0.9	32	11	152
2019-03-30 16:47	0.14	40.091	19.848	1.8	13.5	1.2	32	10	149
2019-03-31 07:51	0.2	41.547	19.399	3.2	13.9	1	31	26	118
2019-03-31 07:59	0.2	41.504	19.366	2	6.2	2.5	32	16	131
2019-03-31 08:03	0.28	41.526	19.398	1.7	8.6	2.5	32	18	117
2019-03-31 17:59	0.26	41.541	19.400	3.1	15.5	1.3	32	27	117
2019-03-31 19:09	0.3	41.527	19.397	3.2	14.5	1.6	32	31	75
2019-03-31 19:43	0.21	41.542	19.412	2.5	11.7	1.1	32	23	76
2019-03-31 20:04	0.26	41.574	19.446	3.1	12.4	1.3	32	22	174
2019-03-31 20:20	0.15	41.529	19.416	2.2	3.7	2.6	32	15	117
2019-03-31 20:38	0.36	41.489	19.359	3.6	25.3	1.6	32	32	66
2019-03-31 22:01	0.43	41.568	19.418	2	14.5	3.7	17	19	129
2019-03-31 22:14	0.36	41.493	19.357	3.8	25.5	1.9	32	24	55
2019-03-31 22:17	0.3	41.555	19.496	2.3	26.6	2.3	16	14	121
2019-03-31 22:19	0.68	41.502	19.372	2.4	22	2.5	28	36	65



-Fig. 2 -

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 2019, bazuar në regjistrimet e ASN dhe stacioneve sizmologjike në rajon.
(Epicentral map for located seismicity within Albania and surrounding during March 2019)

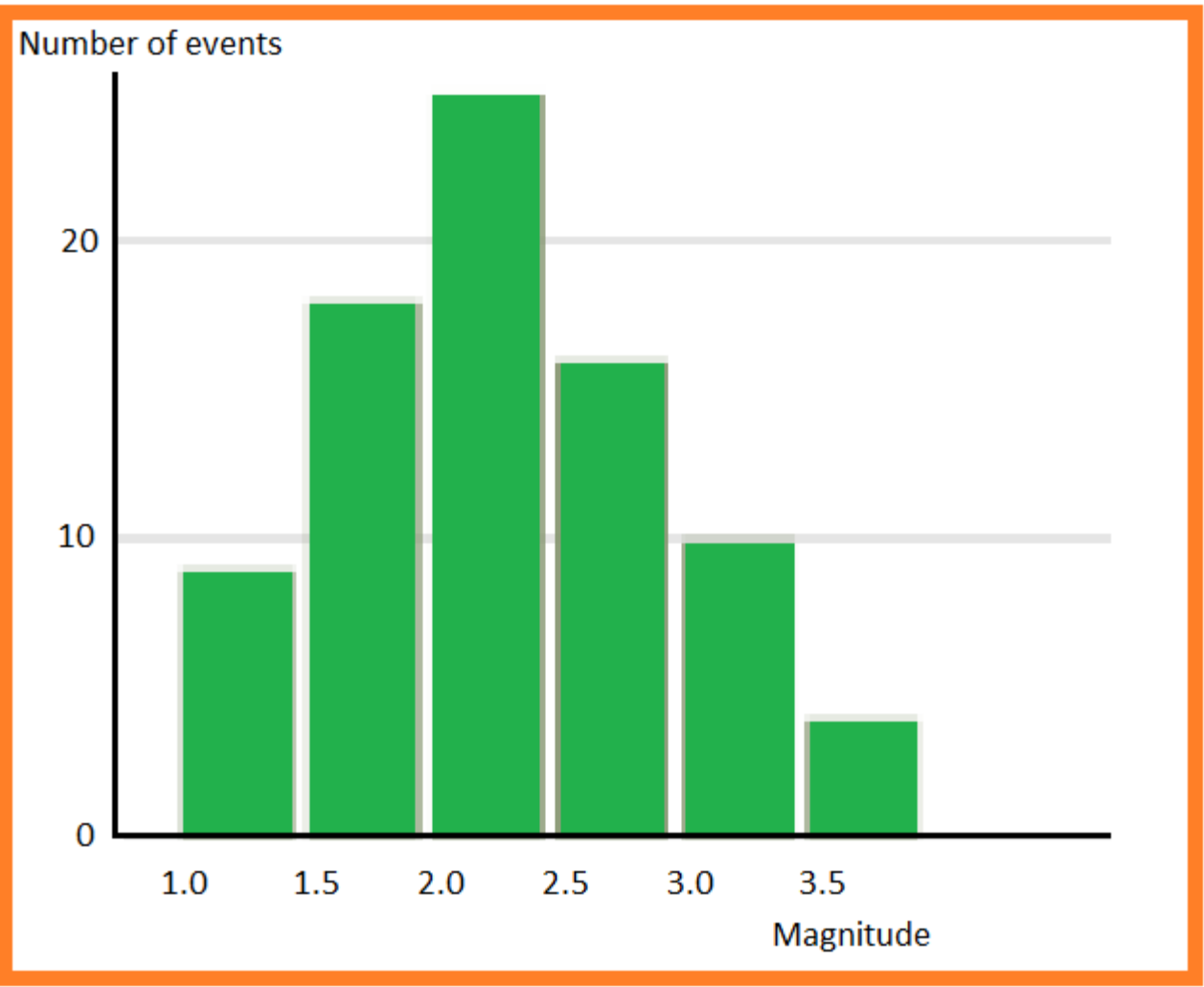
1. Statistika e ngjarjeve (Events Statistics)

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

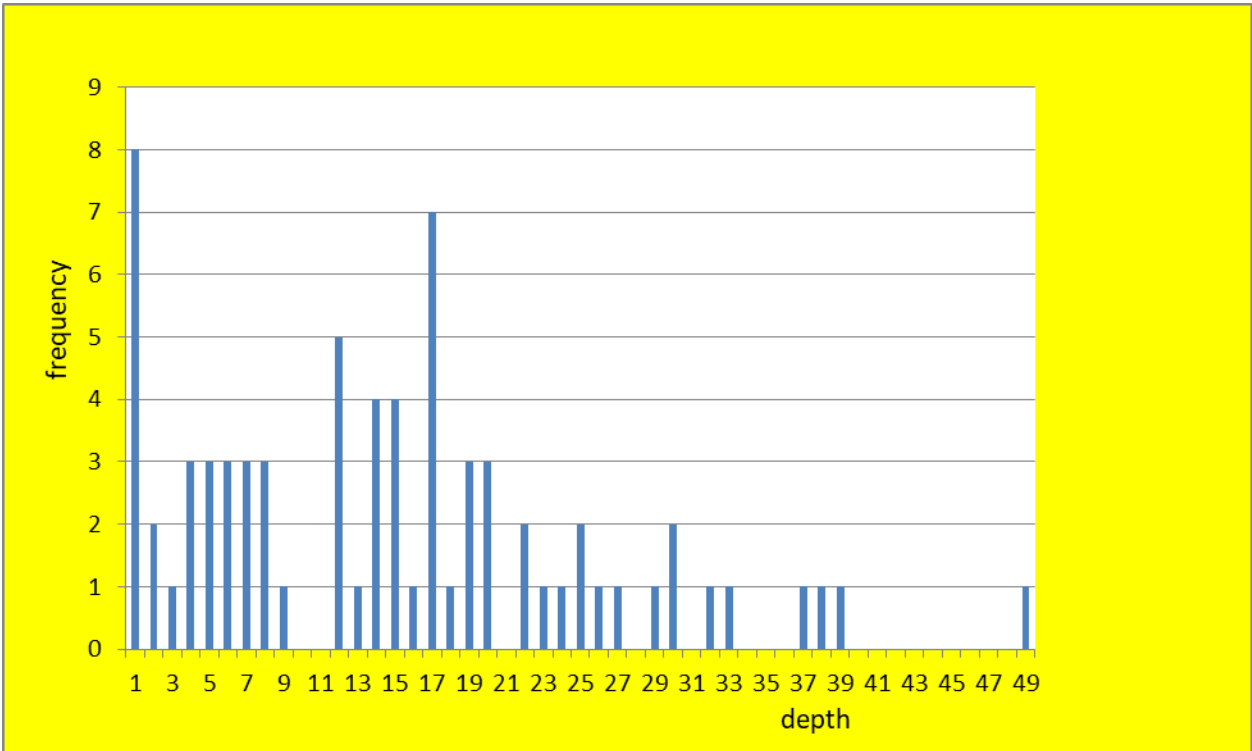
Të dhënat përfaqësuese	Representative Parameters	Vlerat (observed values)
Numuri i përgjithshëm i ngjarjeve të regjistruara (kuadrati 39 ^o -43 ^o V; 18.5 ^o -21.5 ^o L)	[total recorded number of seismic events]	81
Numuri i ngjarjeve sismike brenda kufirit shtetëror	[earthquakes occurred within state border]	64
Thellësia mesatare e vrojtuar (km)	[mean observed depth]	16
Thellësia maksimale e vrojtuar (km)	[maximum observed depth]	49
Magnituda lokale minimale e vrojtuar (M_{Ld})	[minimum observed local magnitude]	1.2
Magnituda lokale maksimale e vrojtuar (M_{Ld})	[maximum observed local magnitude]	3.8
Intensiteti maksimal i vrojtuar (MSK-64)	[maximum observed intensity]	IV-V

2. Karakteristikat kryesore të sizmitetit për muajin

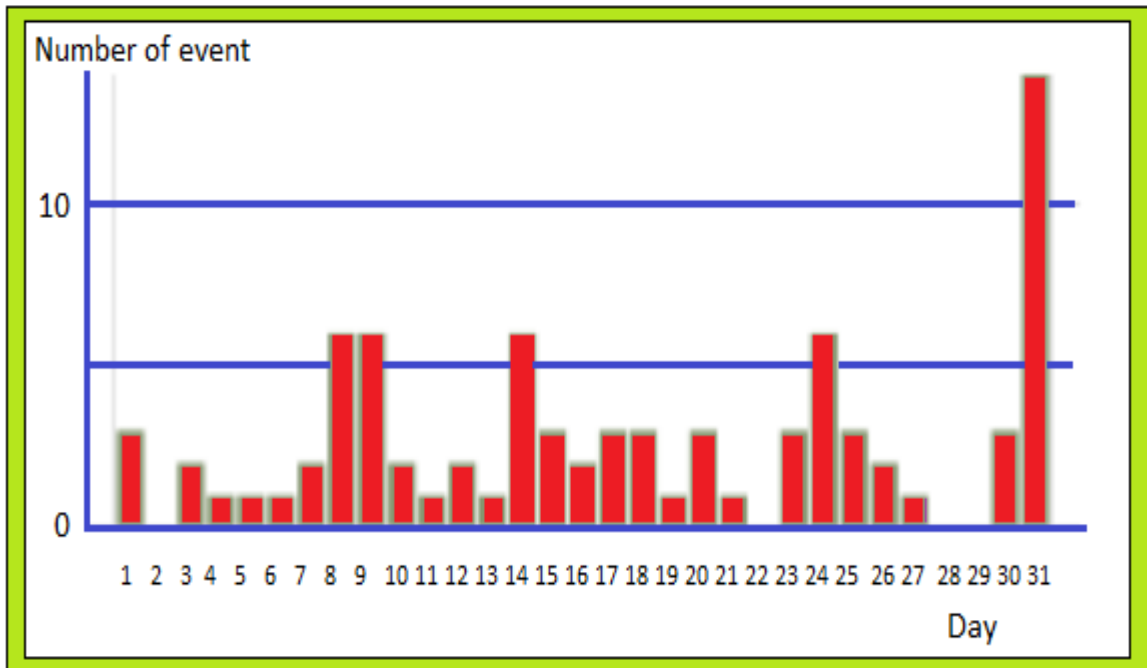
Sizimiteti i muajit Mars 2019 është percaktuar si aktivitet sizmik i ulet, me dallueshem kemi regjistrimin e ngjarjes së dates 31 Mars 2019, ora 22:14(UTM), me $M_L = 3.8$ (Rihter) pranë Bishtkamez në VP të qytetit të Durrësit. Në këtë zonë me datën 31 Mars kemi një grumbull termetesh nga të cilat janë lokalizuar 14 ngjarje me magnituda që varjon nga 1.7 - 3.8 Rihter. Thellessia mesatare është 16 km dhe thellessia max 26 km. Epiqendrat shpërndahen kryesisht në det me shtrirje JP-VL.



Grafiku i numurit te ngjarjeve per nivelin e magnitudave



Grafiku i frekuences se termeteve ne lidhje me thellesin.



Grafiku ishperndarjes se numurit te ngjarjeve per dite

REFERENCA (References)

- Sulstarova, E., Koçiaj, S., (1975). “Katalogu i tërmeteve të Shqipërisë”, Qendra Sizmologjike, ASH të Shqipërisë.
- Nanometrics Inc. (©2002-2004). “ Atlas-seismic analysis tool”, ver. 1.1 User Guide.
- Klein. W. F., (2002). “User’s guide to Hypoinverse-2000, a fortran program to solve for earthquake location and magnitudes”, 4/2002 version, USGS, Open File Report 02-171.
- Ormëni. Rr (2011). "P- & S-Wave Velocity Model of the crust and uppermost mantle of the Albania region" ELSEVIER, Journal of Tectonophysic, Vol 497, 2011.
- Natvik, O., (2014). “Seisan explorer v. 2.4.0”, University of Bergen, Department of Earth Science (© 2012).
- Ottemöller, L., Voss, P., Hskov, J., (2014). “SEISAN – earthquake analyzing software”, Department of Earth Science, University of Bergen, Norway; Geological Survey of Denmark and Greenland, Denmark, (June 18, 2014©).
- OrigineLab Corporation (©1991-2002). “Origine programm v.7.0 SRO”, Northampton, MA 01060 USA (<http://www.OrigineLab.com>).