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BULETINI MUJOR I SIZMOLOGJISË



Universiteti Politeknik i Tiranës
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H Y R J E

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

Briefing:

The seismological bulletin represents a reassume of the seismic events (earthquakes), occurred within Albania and surroundings for a period of one month. These events are permanently recorded, located and further processed by Albanian Seismological Network. This report, along with the chronologic ordering of events, contains a comprehensive analysis of the evaluated parameters as well as the quality of this process. It contains the description of output parameters, parametric data, statistical analysis and quality data analysis, catalogue and epicenter map. Program used for this analysis is Hyponverse 2000 (Klein, 2002; USGS), implicitly implemented in Atlas (Java Interface Nanometrics Firmware), part of Libra 1 VSAT system.

Stacionet Sizmikë (*Seismic Stations*)

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

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

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

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

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

T₀ – perioda vetjake e reagimit të sizmometrit (sensorit), mbi të cilën ai reagon linearisht si filtër i frekuencave të larta (High-Pass). Ky parametër është karakteristik për një tip të dhënë sensori (Sensor Natural Period)

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

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

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

Kodi	Regjistruar (Po/Jo)	Gjer. Gjeo.	Gjat. Gjeo.	Lartesia	Tipi i stacionit	Sensori	Terheqja e Informacionit	Komunikimi	T ₀
Station Code	Registered (WDC)	Latitude (degree)	Longitude (degree)	Elev. (m)	Station type	Sensor type	Acquisition system	Communication	Nat.l Period (s)
MRVN	Po (Y)	41.0609	16.1958	610	3C-BB	Trillium 40T	Libra VSAT	RT satellite	40
NOCI	Po (Y)	40.7888	17.0644	420	3C-BB	Trillium 40T	Libra VSAT	RT satellite	40
SCTE	Po (Y)	40.0724	18.4675	150	3C-BB	Trillium 40T, 120S	Libra VSAT	RT satellite	40/120
SGRT	Po (Y)	41.7546	15.7437	960	3C-BB	Trillium 40T	Libra VSAT	RT satellite	40
LKD2	Po (Y)	38.7889	20.6578	485	3C-BB	CMG-3ESP/100	Trident	RT	40
THE	Po (Y)	40.6319	22.9628	124	3C-BB	Trillium 120	Taurus	GPRS	120
NEST	Po (Y)	40.4147	21.0489	1056	3C-BB	Trillium 120	Taurus	GPRS	120
FNA	Po (Y)	40.7818	21.3835	750	3C-BB	CMG-3EPS/100	Trident	RT	40
IGT	Po (Y)	39.5315	20.3299	270	3C-BB	CMG-3EPS/100	HRD24	RT	40

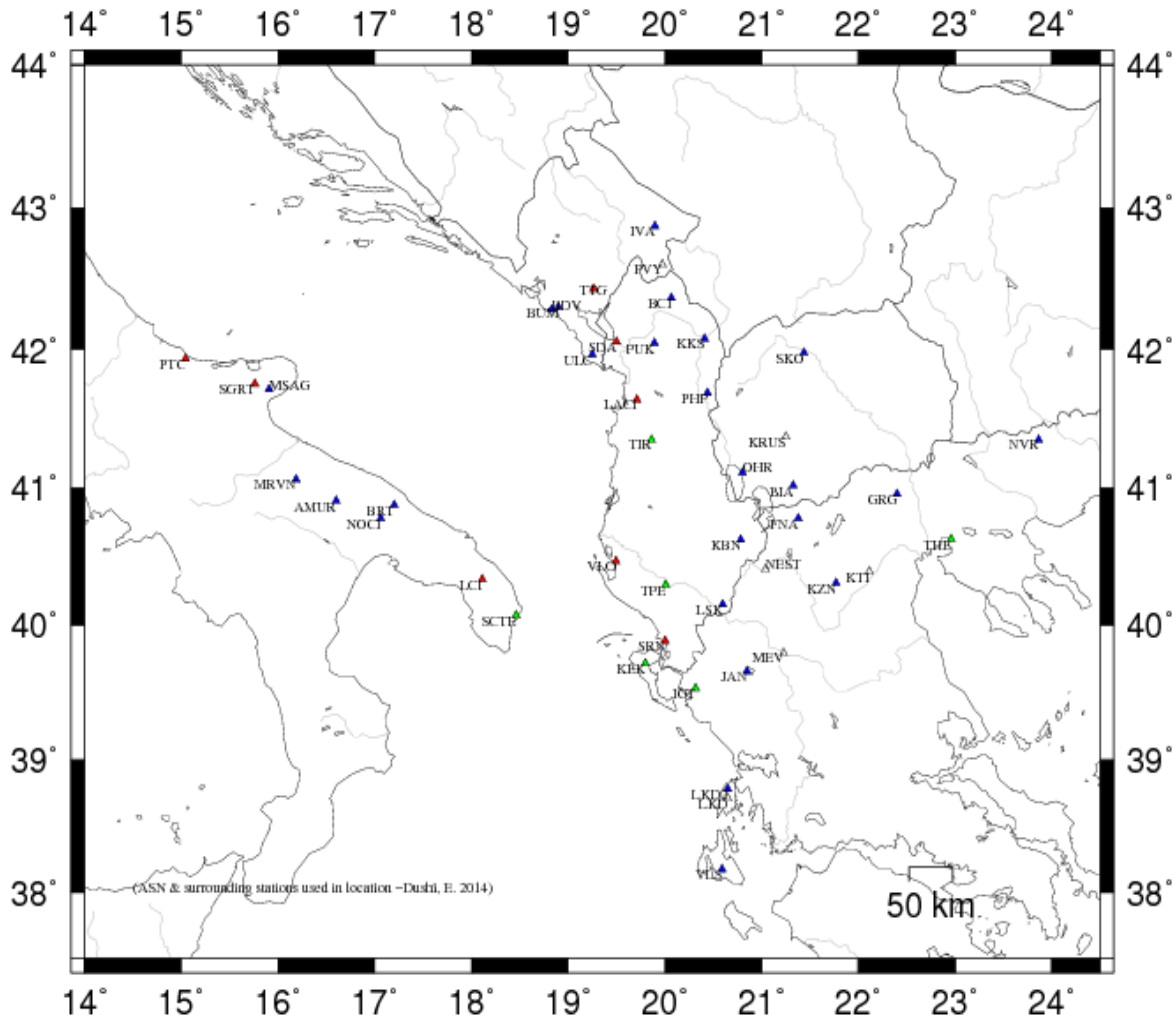
Tab. 3 – Rrjeti Sizmologjik Ndihmës (MSO, SKO, AUTH, NAO, INGV)

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

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

Shënim:

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



-Fig. 1-

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

Përshkrimi i terminologjisë së përdorur për parametrat e përftuar
 (Output parameter’s description)

Informacioni gjithpërfshirës i kreut të ngjarjes (EVENT HEADER INFORMATION)

YEAR MO DA Data (viti, muaji, data) [Date]
 ORIGIN Koha (ora, minuta, sekonda) [Origine Time]
 LAT N Gjerësia gjeografike (gradë, minuta) [latitude in degree and minute]
 LON W Gjatësia gjeografike (gradë, minuta) [longitude in degree and minutes]

DEPTH	Thellësia vatrore (<i>km</i>) [<i>hypocenter depth in km</i>]
RMS	Shmangia kuadratike mesatare për diferencat e peshuara të kohë-udhëtimit, për Fazat Sizmike, [<i>root mean squarre 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, aproximately 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 konvergjimimin e zgjidhjes së përfutur në mënyrë iterative [<i>convergence problems</i>], ose zgjidhje e pa pranueshme me RMS të lartë; (-) – tregon se thellësia është fiksuar [<i>fixed depth solution</i>]; X – lokalizimi i fiksuar për të rritur performancën në llogaritjen e thellësisë [<i>fixed location solution</i>].
AVH	Shënime për statusin [<i>status remarks</i>].
N.XMG	Numri i magnitudave bazuar në amplitudë [<i>number of primary amplitude based magnitudes</i>].
X.MMAD	Gabimi i bërë në vlerësimin e ML [<i>weighted median absolute difference for the primary amplitude magnitudes</i>].
T	Kodi i identifikimit për magnitudën XMAG1 [<i>label code for XMAG1</i>].
N.FMAG	Numri i magnitudave, bazuar në zgjatshmërinë e sinjalit [<i>number of primary coda magnitudes</i>].
FMMAD	Gabimi i bërë në vlerësimin e Md [<i>weighted median absolute difference for the primary coda magnitudes</i>].
T	Kodi i identifikimit për magnitudën FMAG1 [<i>label code for FMAG1</i>].

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

Informacioni parametrik i ngjarjes (EVENT PARAMETRIC DATA)

STA	Kodi i stacionit me 5-karakte (station code, max 5 characters). (*) –tregon se për këtë stacion është përdorur një model alternative shpejtësie [<i>alternative crustal velocity model used for that station</i>].
NET	Kodi i rrjetit [<i>the network code</i>].
COM	komponentja e përdorur [<i>3 –letters component code</i>]
C	shkurtimi i kodit të rrjetit (1 karakter) [<i>abbreviation for the station code</i>]
R	Shënimi për stacionin [<i>station remark</i>]
DIST	Distanca epiqendrore [<i>epicentral distance</i>]
AZM	Azimuti stacion-hypoqendër [<i>station azimuth in degree</i>]
AN	Këndi i daljes së rezeve valore në sferën vatrore [<i>emergence angle at the hypocenter</i>]
P/S	Kodi i fazave të përcaktuara nga leximi në formën valore [<i>phase code</i>]
WT	Pesha e vlerësimit të fazave [<i>weighted code</i>].
SEC	Koha e vrojtuar për hyrjet valore [<i>observed arrival time</i>]
TOBS	Koha e vrojtuar e udhëtimit vatër-stacion për fazën sizmike [<i>observed travel time</i>]
TCAL	Koha e llogaritur nga modeli i shpejtësisë për udhëtimin vatër-stacion, të fazës sizmike [<i>calculated travel time</i>].
DLY	Vonesa në kohë, karakteristikë për stacionin [<i>station delay</i>].
RES	Diferenca në kohë-përhapjen, model-vrojtim. [<i>Travel time residuals</i>].
WT	Pesha e normalizuar, përfshirë këtu edhe peshën e caktuar dhënë më sipër [<i>normalized weight</i>].
SR	Kodi i burimit (1 karakter), që zakonisht i referohet rrjetit [<i>1 letter source code</i>]
R	Shënime lidhur me formën valore (sizmogramën), mbartur nga të dhënat fazore [<i>Seismogram remark</i>].
INFO	Informacioni për rëndësinë e kontributit të stacionit apo fazës në zgjidhjen e përgjithshme [<i>the information of the importance of contribution</i>].
CAL	Faktori korigjues që përdoret në llogaritjen e magnitudës [<i>calibration factor for magnitude calculation</i>].
DUR	Zgjatshmëria e fazës koda (s) [<i>coda duration in 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*)

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1570023549 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1511 1.3 km from Zdojan, Dibër, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/03	16:42:52.14		0.09	41.6987	20.3862				12.3	0.5	6	5	174	0.04	1.19	m	
1571																	

Magnitude	Err	Nsta	Author	OrigID
M1	2.4	0.0	3	1571

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
PHP	0.04	108.0	Sg	16:42:55.907	-0.0					---				m		20550
PHP	0.04	108.0	Pg	16:42:54.853	0.6					---				m		20549
PHP	0.04	108.0	AM1	16:42:57.140						---		18.2	0.20	a	M1	3.0
PUK	0.52	0.0	P	16:43:01.139	0.0					---				m		20556
PUK	0.50	314.0	Sg	16:43:10.009	0.0					---				m		20551
PUK	0.50	314.0	AM1	16:43:11.980						---		1.4	0.40	a	M1	2.4
BCI	0.71	341.0	Sg	16:43:16.894	0.1					---				m		20553
BCI	0.71	341.0	Pg	16:43:06.103	-0.1					---				m		20552
BCI	0.71	341.0	AM1	16:43:23.320						---		0.4	0.42	a	M1	2.1
FNA	1.19	140.0	Sn	16:43:32.427	0.0					---				m		20555
FNA	1.19	140.0	Pn	16:43:15.870	0.7					---				m		20554

DATA_TYPE COMMENT GSE2.1
 Event 1511

Official Magnitude:
 M1 2.41

Error ellipse:

	Azim	Dip	Mag
Max:	53	8	1.4800
Intermediate:	250	81	0.5300
Min:	143	3	0.3000

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1570023549 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1512 1.4 km from Dardhë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/04	02:32:27.44		0.54	40.5110	20.8142				4.3	1.7	15	22	111	0.12	1.94	m	

Magnitude	Err	Nsta	Author	OrigID
M1	2.3	0.0	5	1572

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.11	350.0	Sg	02:32:31.249	-0.1									m		20558
KBN	0.11	350.0	Pg	02:32:29.657	-0.0									m		20557
KBN	0.11	350.0	AM1	02:32:32.510								5.8	0.18	a	M1	2.5
NEST	0.20	118.0	Sg	02:32:35.982	0.5									m		20560
NEST	0.20	118.0	Pg	02:32:32.262	0.2									m		20559
NEST	0.20	118.0	AM1	02:32:40.720								2.2	0.46	a	M1	2.2
NEST	0.20	118.0	AM1	02:32:37.790								2.5	0.24	a	M1	2.3
FNA	0.51	57.0	Sg	02:32:45.418	-0.5									m		20562
FNA	0.51	57.0	Pg	02:32:37.532	-0.5									m		20561
SRN	0.89	225.0	Sg	02:32:58.508	-0.6									m		20564
SRN	0.89	225.0	Pg	02:32:44.111	-1.4									m		20563
SRN	0.89	225.0	AM1	02:33:05.540								0.1	0.50	a	M1	1.8
IGT	1.05	201.0	Sg	02:33:04.369	0.6									m		20566
IGT	1.05	201.0	Pg	02:32:47.670	-0.5									m		20565
KEK	1.12	225.0	Pn	02:32:51.248	1.7									m		20567
PHP	1.21	347.0	Sn	02:33:08.497	-0.1									m		20569
PHP	1.21	347.0	Pn	02:32:50.142	-0.8									m		20568
PHP	1.21	347.0	AM1	02:33:11.220								0.1	0.54	a	M1	1.9
PUK	1.68	336.0	Sn	02:33:24.891	1.0									m		20571
PUK	1.68	336.0	Pn	02:33:00.474	0.8									m		20570
BCI	1.94	344.0	Sn	02:33:33.883	2.0									m		20573
BCI	1.94	344.0	Pn	02:33:04.714	0.5									m		20572
BCI	1.94	344.0	AM1	02:33:40.340								0.1	0.78	a	M1	2.6

DATA_TYPE COMMENT GSE2.1
 Event 1512

Official Magnitude:
 M1 2.25

Error ellipse:

	Azim	Dip	Mag
Max:	81	72	1.7400

Intermediate: 269 16 0.9000
 Min: 178 2 0.6900

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1570023549 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1513 3.4 km from Dardhë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/04	07:53:34.74		0.05	40.5228	20.7868				17.0	1.1	6	9	242	0.10	0.52	m	1573

Magnitude	Err	Nsta	Author	OrigID
M1	1.8	0.0	2	1573

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
KBN	0.10	0.0	Sg	07:53:40.410	0.0					---				m		20575	
KBN	0.10	0.0	Pg	07:53:37.926	-0.0					---				m		20574	
KBN	0.10	0.0	AM1	07:53:41.380						---		1.2	0.32	a	M1	2.0	11053
NEST	0.23	118.0	Sg	07:53:44.323	-0.0					---				m		20577	
NEST	0.23	118.0	Pg	07:53:40.318	0.1					---				m		20576	
NEST	0.23	118.0	AM1	07:53:44.980						---		0.5	0.16	a	M1	1.7	11054
FNA	0.52	60.0	Sg	07:53:53.603	0.0					---				m		20579	
FNA	0.52	60.0	Pg	07:53:45.461	-0.0					---				m		20578	

DATA_TYPE COMMENT GSE2.1
 Event 1513

Official Magnitude:
 M1 1.83

Error ellipse:

	Azim	Dip	Mag
Max:	253	53	1.3600
Intermediate:	35	30	0.7200
Min:	136	19	0.5000

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1570023549 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1514 1.0 km from Dardhë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/04	09:28:56.86		0.01	40.5093	20.8290				8.8	2.7	5	21	226	0.12	0.50	m	

Magnitude	Err	Nsta	Author	OrigID
M1	1.5	0.0	2	1574

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
KBN	0.12	345.0	Sg	09:29:01.330	0.0									m		20581	
KBN	0.12	345.0	Pg	09:28:59.409	0.0									m		20580	
KBN	0.12	345.0	AM1	09:29:02.680								1.0	0.28	a	M1	1.8	11055
NEST	0.19	119.0	Sg	09:29:04.487	0.0									m		20583	
NEST	0.19	119.0	Pg	09:29:01.223	0.0									m		20582	
NEST	0.19	119.0	AM1	09:29:09.410								0.4	0.32	a	M1	1.5	11057
NEST	0.19	119.0	AM1	09:29:07.770								0.3	0.34	a	M1	1.4	11056
FNA	0.50	57.0	Sg	09:29:14.770	0.0									m		20585	
FNA	0.50	57.0	Pg	09:29:06.797	-0.3									m		20584	

DATA_TYPE COMMENT GSE2.1
Event 1514

Official Magnitude:
M1 1.50

Error ellipse:

	Azim	Dip	Mag
Max:	261	76	2.8000
Intermediate:	47	11	0.7500
Min:	138	8	0.3500

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023549 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1515 2.8 km from Gjyrës, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/04	10:24:46.27		0.07	40.5530	20.8525				12.0	0.8	7	23	123	0.09	1.10	m	

Magnitude	Err	Nsta	Author	OrigID
M1	1.5	0.0	2	1575

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
-----	------	------	-------	------	------	------	-------	------	------	-----	-----	-----	-----	------	-----------	-------

KBN	0.09	325.0	Sg	10:24:50.475	0.0	---	m	20587
KBN	0.09	325.0	Pg	10:24:48.615	-0.1	---	m	20586
KBN	0.09	325.0	AM1	10:24:51.430		---	0.8 0.14 a M1	1.7 11058
NEST	0.20	132.0	Sg	10:24:54.613	0.1	---	m	20589
NEST	0.20	132.0	Pg	10:24:50.857	-0.2	---	m	20588
NEST	0.20	132.0	AM1	10:24:55.050		---	0.2 0.16 a M1	1.3 11059
FNA	0.46	60.0	Sg	10:25:02.964	-0.1	---	m	20591
FNA	0.46	60.0	Pg	10:24:55.931	0.1	---	m	20590
IGT	1.10	202.0	Sg	10:25:23.805	0.0	---	m	20593
IGT	1.10	202.0	Pg	10:25:06.395	-1.3	---	m	20592

DATA_TYPE COMMENT GSE2.1
Event 1515

Official Magnitude:
M1 1.51

Error ellipse:

	Azim	Dip	Mag
Max:	347	65	0.8400
Intermediate:	92	6	0.4200
Min:	185	24	0.3500

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023549 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1516 1.2 km from Dardhë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/04	11:24:29.58		0.04	40.5128	20.8143				8.4	2.4	5	4	232	0.12	0.51	m	1576

Magnitude	Err	Nsta	Author	OrigID
M1	1.9	0.0	2	1576

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.11	350.0	Sg	11:24:33.846	0.0				---					m	20595	
KBN	0.11	350.0	Pg	11:24:31.941	-0.1				---					m	20594	
KBN	0.11	350.0	AM1	11:24:36.190					---			1.0	0.16	a M1	1.7	11060
NEST	0.20	0.0	Pg	11:24:34.694	0.0				---					m	20599	
NEST	0.20	118.0	Sg	11:24:37.568	-0.0				---					m	20596	
NEST	0.20	118.0	AM1	11:24:38.950					---			1.4	0.14	a M1	2.0	11061
FNA	0.51	58.0	Sg	11:24:47.702	-0.1				---					m	20598	
FNA	0.51	58.0	Pg	11:24:40.012	0.1				---					m	20597	

DATA_TYPE COMMENT GSE2.1
Event 1516

Official Magnitude:
Ml 1.89

Error ellipse:

	Azim	Dip	Mag
Max:	254	71	2.5800
Intermediate:	42	16	0.9000
Min:	135	10	0.4000

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023549 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1517 1.2 km from Dardhë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/04	13:38:15.66		0.04	40.5103	20.8173				12.6	1.4	6	5	231	0.12	0.51	m	
1577																	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.3	0.0	1	1577

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.12	349.0	Sg	13:38:20.626	-0.0					---					m_	20601
KBN	0.12	349.0	Pg	13:38:18.578	0.1					---					mc_	20600
NEST	0.20	118.0	Sg	13:38:23.952	0.0					---					m_	20603
NEST	0.20	118.0	Pg	13:38:20.321	-0.1					---					mc_	20602
NEST	0.20	118.0	AMl	13:38:24.400						---		0.2	0.18	a_	Ml 1.3	11062
FNA	0.51	57.0	Sg	13:38:33.906	0.0					---					m_	20605
FNA	0.51	57.0	Pg	13:38:26.077	-0.0					---					m_	20604

DATA_TYPE COMMENT GSE2.1
Event 1517

Official Magnitude:
Ml 1.31

Error ellipse:

	Azim	Dip	Mag
Max:	251	64	1.5600
Intermediate:	43	23	0.7300
Min:	138	11	0.4100

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1570023549 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1518 3.9 km from Kamenicë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/04	14:40:38.36		0.01	40.5115	20.7698				13.8	1.2	5	5	252	0.12	0.54	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.6	0.0	1	1578

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
KBN	0.11	6.0	Sg	14:40:43.549	0.0									m		20607	
KBN	0.11	6.0	Pg	14:40:41.308	-0.0									mc		20606	
NEST	0.23	114.0	Sg	14:40:47.780	0.0									m		20609	
NEST	0.23	114.0	Pg	14:40:44.256	0.5									mc		20608	
NEST	0.23	114.0	AMl	14:40:48.670								0.4	0.16	a	Ml	1.6	11063
FNA	0.54	59.0	Sg	14:40:57.668	0.0									m		20611	
FNA	0.54	59.0	Pg	14:40:49.396	0.0									m		20610	

DATA_TYPE COMMENT GSE2.1
 Event 1518

Official Magnitude:
 Ml 1.57

Error ellipse:

	Azim	Dip	Mag
Max:	246	54	1.4800
Intermediate:	36	32	0.8600
Min:	135	14	0.4800

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1570023549 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1519 0.6 km from Rranxë, Durrës, Albania

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

2019/08/04 15:23:49.22 0.35 41.4642 19.8670 5.7 1.2 16 23 115 0.12 2.22 m
1579

Magnitude Err Nsta Author OrigID
Ml 2.8 0.0 6 1579

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.12	181.0	Sg	15:23:54.387	0.2									m		20612
TIR	0.12	181.0	AMl	15:23:55.040								33853.0	0.08	a	Ml	6.3
PHP	0.48	62.0	Sg	15:24:05.344	-0.7									m		20614
PHP	0.48	62.0	Pg	15:23:58.778	-0.0									md		20613
PHP	0.48	62.0	AMl	15:24:06.890								13.6	0.60	a	Ml	3.4
PUK	0.58	1.0	Sg	15:24:12.631	3.2									m		20616
PUK	0.58	1.0	Pg	15:24:02.328	1.5									m		20615
PUK	0.58	1.0	AMl	15:24:19.510								2.1	0.32	a	Ml	2.7
BCI	0.91	9.0	Sn	15:24:23.095	2.4									m		20618
BCI	0.91	9.0	Pn	15:24:07.801	0.6									mc		20617
BCI	0.91	9.0	AMl	15:24:27.640								1.0	0.46	a	Ml	2.7
KBN	1.09	140.0	Sg	15:24:25.822	-0.2									m		20620
KBN	1.09	140.0	Pg	15:24:10.123	-0.1									md		20619
FNA	1.33	120.0	Sn	15:24:35.175	0.3									m		20622
FNA	1.33	120.0	Pn	15:24:12.549	-2.7									md		20621
NEST	1.35	137.0	Pn	15:24:15.087	0.0									m		20632
NEST	1.38	139.0	Sn	15:24:36.577	0.3									m		20623
NEST	1.38	139.0	AMl	15:24:42.060								0.4	0.58	a	Ml	2.7
SRN	1.59	176.0	Sn	15:24:43.539	0.2									m		20625
SRN	1.59	176.0	Pn	15:24:19.470	-0.7									md		20624
SCTE	1.74	218.0	Sn	15:24:47.538	-0.1									m		20627
SCTE	1.74	218.0	Pn	15:24:22.055	-0.5									md		20626
SCTE	1.74	218.0	AMl	15:24:58.360								0.4	0.76	a	Ml	2.9
KEK	1.75	182.0	Pn	15:24:22.616	-0.1									mc		20628
IGT	1.96	169.0	Sn	15:24:54.400	0.1									m		20630
IGT	1.96	169.0	Pn	15:24:26.556	0.2									md		20629
NOCI	2.22	254.0	Pn	15:24:30.550	0.3									mc		20631

DATA_TYPE COMMENT GSE2.1
Event 1519

Official Magnitude:
Ml 2.81

Error ellipse:

	Azim	Dip	Mag
Max:	285	79	1.2100
Intermediate:	123	10	0.7900
Min:	32	3	0.6100

BEGIN GSE2.1

MSG_TYPE DATA
 MSG_ID 1570023549 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1520 1.6 km from Sinicë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/05	02:34:38.33		0.06	40.5253	20.8568				5.0	0.7	7	6	206	0.11	1.20	m	

Magnitude	Err	Nsta	Author	OrigID
Md	1.8	0.0	4	1580
Ml	1.9	0.0	2	1580

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.11	332.0	Sg	02:34:42.235	0.0									m		20634
KBN	0.11	332.0	Pg	02:34:40.342	-0.2									mc		20633
KBN	0.11	332.0	AMd	02:35:10.894								0.0	30.55	a	Md	1.6
NEST	0.18	126.0	Sg	02:34:45.719	0.0									m		20636
NEST	0.18	126.0	Pg	02:34:42.555	0.0									mc		20635
NEST	0.18	126.0	AMd	02:35:04.525								0.0	21.97	a	Md	1.9
NEST	0.18	126.0	AML	02:34:46.700								1.1	0.16	a	Ml	1.9
FNA	0.48	57.0	Sg	02:34:55.475	0.0									m		20638
FNA	0.48	57.0	Pg	02:34:47.957	-0.2									mc		20637
FNA	0.48	57.0	AMd	02:35:14.810								0.0	26.85	a	Md	1.5
PHP	1.20	345.0	Sn	02:35:19.265	0.1									m		20640
PHP	1.20	345.0	Pn	02:35:01.600	-0.1									mc		20639
PHP	1.20	345.0	AMd	02:35:48.350								0.0	46.75	a	Md	2.7
PHP	1.20	345.0	AML	02:35:22.790								0.1	0.84	a	Ml	1.8

DATA_TYPE COMMENT GSE2.1
 Event 1520

Official Magnitude:
 Ml 1.88

Error ellipse:

	Azim	Dip	Mag
Max:	225	38	1.0600
Intermediate:	61	50	0.4300
Min:	321	8	0.2300

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1570023549 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1521 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/05	10:53:00.11		0.27	41.7227	20.1963				12.6	1.9	9	8	148	0.19	2.19	m	

Magnitude	Err	Nsta	Author	OrigID
M1	2.0	0.0	3	1581

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
PHP	0.19	101.0	S	10:53:07.511	0.1					---				m		20642	
PHP	0.19	101.0	Pg	10:53:04.377	0.1					---				m		20641	
PHP	0.19	101.0	AM1	10:53:07.740						---		1.4	0.38	a	M1	2.1	11076
PUK	0.39	325.0	Sg	10:53:13.986	-0.3					---				m		20644	
PUK	0.39	325.0	Pg	10:53:08.277	0.1					---				m		20643	
PUK	0.39	325.0	AM1	10:53:17.170						---		0.7	0.28	a	M1	1.9	11078
PUK	0.39	325.0	AM1	10:53:17.380						---		0.6	0.18	a	M1	1.9	11077
BCI	0.65	352.0	Sg	10:53:23.180	0.3					---				m		20646	
BCI	0.65	352.0	Pg	10:53:12.824	-0.3					---				m		20645	
BCI	0.65	352.0	AM1	10:53:25.060						---		0.4	0.38	a	M1	2.1	11079
FNA	1.30	136.0	Sg	10:53:43.563	-0.3					---				m		20648	
FNA	1.30	136.0	Pg	10:53:24.294	-0.8					---				m		20647	
IGT	2.19	177.0	Sn	10:53:59.973	-9.8					---				m		20650	
IGT	2.19	177.0	Pn	10:53:40.329	0.4					---				m		20649	

DATA_TYPE COMMENT GSE2.1
Event 1521

Official Magnitude:
M1 2.00

Error ellipse:

	Azim	Dip	Mag
Max:	46	45	2.6100
Intermediate:	240	43	0.9800
Min:	143	7	0.4800

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023548 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1522 Region N/A

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

2019/08/05 19:20:12.92 0.31 40.5130 20.8132 12.8 1.0 13 22 111 0.11 1.68 m
1582

Magnitude Err Nsta Author OrigID
M1 2.2 0.0 3 1582

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.11	350.0	Sg	19:20:17.901	-0.0									m		20652
KBN	0.11	350.0	Pg	19:20:15.880	0.1									m		20651
NEST	0.21	118.0	Sg	19:20:21.354	0.0									m		20654
NEST	0.21	118.0	Pg	19:20:18.128	0.4									m		20653
NEST	0.21	118.0	AM1	19:20:22.480								1.8	0.20	a	M1 2.2	11081
NEST	0.21	118.0	AM1	19:20:22.470								2.4	0.16	a	M1 2.3	11080
FNA	0.51	58.0	Sg	19:20:31.122	-0.1									m		20656
FNA	0.51	58.0	Pg	19:20:22.905	-0.5									m		20655
SRN	0.89	225.0	Sg	19:20:44.087	-0.2									m		20658
SRN	0.89	225.0	Pg	19:20:29.984	-0.9									m		20657
IGT	1.05	201.0	Sg	19:20:48.811	-0.1									m		20660
IGT	1.05	201.0	Pg	19:20:34.004	0.6									m		20659
PHP	1.20	347.0	Sn	19:20:53.296	0.1									m		20662
PHP	1.20	347.0	Pn	19:20:32.965	-3.0									m		20661
PHP	1.20	347.0	AM1	19:20:56.380								0.1	0.36	a	M1 2.0	11082
PUK	1.68	336.0	Sn	19:21:08.268	0.1									m		20664
PUK	1.68	336.0	Pn	19:20:45.704	1.2									m		20663
PUK	1.68	336.0	AM1	19:21:12.810								0.1	0.52	a	M1 2.2	11083

DATA_TYPE COMMENT GSE2.1
Event 1522

Official Magnitude:
M1 2.21

Error ellipse:

	Azim	Dip	Mag
Max:	83	62	1.1500
Intermediate:	293	24	0.5900
Min:	197	12	0.4800

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023548 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1523 1.1 km from Nikolicë, Korçë, Albania

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

2019/08/05 23:49:15.33 0.11 40.4815 20.8158 10.6 0.9 8 8 227 0.14 1.71 m
1583

Magnitude Err Nsta Author OrigID
M1 2.1 0.0 3 1583

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.14	352.0	Sg	23:49:20.738	-0.1					---				m_		20666
KBN	0.14	352.0	Pg	23:49:18.543	0.1					---				mc_		20665
NEST	0.19	110.0	Sg	23:49:23.032	0.0					---				m_		20668
NEST	0.19	110.0	Pg	23:49:19.769	0.0					---				mc_		20667
NEST	0.19	110.0	AM1	23:49:25.930						---		1.7	0.32	a_	M1 2.1	11084
FNA	0.53	55.0	Sg	23:49:34.111	0.0					---				m_		20670
FNA	0.53	55.0	Pg	23:49:25.919	-0.1					---				mc_		20669
PHP	1.23	347.0	Sn	23:49:57.004	0.2					---				m_		20672
PHP	1.23	347.0	Pn	23:49:40.356	1.3					---				mc_		20671
PHP	1.23	347.0	AM1	23:49:59.660						---		0.0	0.38	a_	M1 1.7	11085
PUK	1.71	337.0	Sn	23:50:11.601	-0.2					---				m_		20674
PUK	1.71	337.0	Pn	23:49:49.543	2.0					---				mc_		20673
PUK	1.71	337.0	AM1	23:50:20.180						---		0.1	0.82	a_	M1 2.1	11086

DATA_TYPE COMMENT GSE2.1
Event 1523

Official Magnitude:
M1 2.08

Error ellipse:

	Azim	Dip	Mag
Max:	222	5	1.0000
Intermediate:	113	73	0.8900
Min:	313	16	0.3500

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023548 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1524 2.4 km from Dardhë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/06	02:06:53.24		0.43	40.5135	20.7997				10.3	1.3	17	18	95	0.11	4.00	m	

1584

Magnitude Err Nsta Author OrigID
M1 2.7 0.0 5 1584

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.11	356.0	Sg	02:06:57.930	0.2					___				m_		20676
KBN	0.11	356.0	Pg	02:06:55.993	0.2					___				mc_		20675
NEST	0.21	0.0	Pg	02:06:58.221	0.0					___				mc_		20694
NEST	0.21	117.0	Sg	02:07:02.228	0.5					___				m_		20677
NEST	0.21	117.0	AM1	02:07:02.390						___		7.7	0.16	a_ M1	2.8	11087
FNA	0.52	58.0	Sg	02:07:11.208	-0.5					___				m_		20679
FNA	0.52	58.0	Pg	02:07:03.483	-0.3					___				md_		20678
SRN	0.88	225.0	Sn	02:07:24.218	-0.2					___				m_		20681
SRN	0.88	225.0	Pn	02:07:10.193	-0.9					___				mc_		20680
IGT	1.05	201.0	Sn	02:07:30.283	1.0					___				m_		20683
IGT	1.05	201.0	Pn	02:07:13.198	-0.7					___				md_		20682
TIR	1.09	320.0	Sn	02:07:31.073	0.2					___				m_		20685
TIR	1.09	320.0	Pn	02:07:14.980	0.2					___				m_		20684
TIR	1.09	320.0	AM1	02:07:34.470						___		0.3	0.78	a_ M1	2.3	11088
PHP	1.20	348.0	Sn	02:07:33.632	-0.1					___				m_		20687
PHP	1.20	348.0	Pn	02:07:15.986	-0.4					___				mc_		20686
PHP	1.20	348.0	AM1	02:07:36.520						___		0.3	0.50	a_ M1	2.4	11089
PUK	1.67	337.0	Sn	02:07:50.267	1.6					___				m_		20689
PUK	1.67	337.0	Pn	02:07:25.171	0.3					___				mc_		20688
PUK	1.67	337.0	AM1	02:07:52.920						___		0.3	0.54	a_ M1	2.7	11090
LKD2	1.72	184.0	Pn	02:07:26.490	0.5					___				md_		20690
BCI	1.93	344.0	Sn	02:07:56.501	0.0					___				m_		20692
BCI	1.93	344.0	Pn	02:07:29.702	0.3					___				md_		20691
BCI	1.93	344.0	AM1	02:08:05.280						___		0.3	0.80	a_ M1	2.9	11091
SGRT	4.00	290.0	Pn	02:07:55.366	-4.6					___				m_		20693

DATA_TYPE COMMENT GSE2.1
Event 1524

Official Magnitude:
M1 2.73

Error ellipse:

	Azim	Dip	Mag
Max:	105	66	1.4500
Intermediate:	270	22	0.7600
Min:	3	6	0.6100

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023548 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1526 0.1 km from Sinicë, Korçë, Albania

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

2019/08/06 03:58:35.35 0.18 40.5162 20.8700 5.3 0.7 12 8 103 0.13 1.94 m
1586

Magnitude Err Nsta Author OrigID
Ml 2.7 0.0 3 1586

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.12	330.0	Sg	03:58:39.809	0.1					___				m_		20709
KBN	0.12	330.0	Pg	03:58:37.913	0.1					___				mc_		20708
NEST	0.17	126.0	Sg	03:58:42.206	-0.0					___				m_		20711
NEST	0.17	126.0	Pg	03:58:39.080	-0.2					___				mc_		20710
NEST	0.17	126.0	AMl	03:58:45.560						___		6.7	1.06	a_	Ml 2.7	11096
FNA	0.47	55.0	Sg	03:58:52.417	0.1					___				m_		20713
FNA	0.47	55.0	Pg	03:58:45.078	0.0					___				md_		20712
SRN	0.92	227.0	Sn	03:59:07.683	-0.3					___				m_		20715
SRN	0.92	227.0	Pn	03:58:52.363	-1.6					___				mc_		20714
IGT	1.07	204.0	Sn	03:59:12.450	0.2					___				m_		20717
IGT	1.07	204.0	Pn	03:58:56.645	0.2					___				mc_		20716
PHP	1.21	345.0	Sn	03:59:17.221	0.7					___				m_		20719
PHP	1.21	345.0	Pn	03:58:58.652	-0.2					___				mc_		20718
PHP	1.21	345.0	AMl	03:59:25.860						___		0.3	0.48	a_	Ml 2.4	11097
BCI	1.94	343.0	Sn	03:59:39.666	-0.2					___				m_		20721
BCI	1.94	343.0	Pn	03:59:12.506	0.3					___				mc_		20720
BCI	1.94	343.0	AMl	03:59:56.480						___		0.3	0.76	a_	Ml 2.9	11098

DATA_TYPE COMMENT GSE2.1
Event 1526

Official Magnitude:
Ml 2.66

Error ellipse:

	Azim	Dip	Mag
Max:	77	78	0.6600
Intermediate:	264	11	0.4100
Min:	174	1	0.3300

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023548 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1527 1.4 km from Strikçan, Dibër, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/06	04:06:24.26		0.07	41.5027	20.4115				17.9	0.7	7	10	170	0.18	1.19	m	

1587

Magnitude Err Nsta Author OrigID
M1 2.3 0.0 4 1587

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
PHP	0.18	0.0	Pg	04:06:28.873	0.0					---				md_		20731
PHP	0.18	6.0	Sg	04:06:32.336	0.0					---				m_		20722
PHP	0.18	6.0	AM1	04:06:32.860						---		3.8	0.30	a_	M1	2.6
PUK	0.66	325.0	Sg	04:06:47.423	-0.1					---				m_		20724
PUK	0.66	325.0	Pg	04:06:36.678	-0.9					---				mc_		20723
PUK	0.66	325.0	AM1	04:06:51.680						---		0.6	0.30	a_	M1	2.3
BCI	0.90	344.0	Sg	04:06:54.984	0.0					---				m_		20726
BCI	0.90	344.0	Pg	04:06:41.038	-0.8					---				mc_		20725
BCI	0.90	344.0	AM1	04:06:56.950						---		0.3	0.66	a_	M1	2.2
FNA	1.03	134.0	Sn	04:06:59.029	-0.1					---				m_		20728
FNA	1.03	134.0	Pn	04:06:44.093	-0.1					---				mc_		20727
NEST	1.19	155.0	Sn	04:07:04.194	0.1					---				m_		20730
NEST	1.19	155.0	Pn	04:06:47.039	0.0					---				md_		20729
NEST	1.19	155.0	AM1	04:07:05.460						---		0.2	0.44	a_	M1	2.2

DATA_TYPE COMMENT GSE2.1
Event 1527

Official Magnitude:
M1 2.26

Error ellipse:

	Azim	Dip	Mag
Max:	58	25	1.3100
Intermediate:	270	60	0.7700
Min:	155	14	0.2600

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023548 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1528 0.9 km from Arrëz, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/06	04:32:48.66		0.19	40.4982	20.8497				3.5	0.7	12	9	109	0.13	1.70	m	

Magnitude Err Nsta Author OrigID
M1 2.7 0.0 4 1588

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
-----	------	------	-------	------	------	------	-------	------	------	-----	-----	-----	-----	------	-----------	-------

KBN	0.13	340.0	Sg	04:32:53.228	-0.1	---	m	20733
KBN	0.13	340.0	Pg	04:32:51.293	-0.0	---	m	20732
NEST	0.17	118.0	Sg	04:32:55.779	0.2	---	m	20735
NEST	0.17	118.0	Pg	04:32:52.532	-0.1	---	mc	20734
NEST	0.17	118.0	AM1	04:32:58.670		---	a M1	3.0 11103
FNA	0.50	54.0	Sg	04:33:06.588	-0.1	---	m	20737
FNA	0.50	54.0	Pg	04:32:58.148	-0.8	---	mc	20736
SRN	0.90	227.0	Sg	04:33:20.939	0.2	---	m	20739
SRN	0.90	227.0	Pg	04:33:05.871	-1.1	---	mc	20738
SRN	0.90	227.0	AM1	04:33:22.790		---	a M1	2.1 11104
IGT	1.04	203.0	Sn	04:33:24.925	-0.2	---	m	20741
IGT	1.04	203.0	Pn	04:33:09.280	-0.2	---	mc	20740
PHP	1.22	346.0	Sg	04:33:30.531	-0.1	---	m	20743
PHP	1.22	346.0	Pg	04:33:12.024	-0.6	---	mc	20742
PHP	1.22	346.0	AM1	04:33:39.270		---	a M1	2.5 11105
PUK	1.70	336.0	Sn	04:33:46.152	0.2	---	m	20745
PUK	1.70	336.0	Pn	04:33:22.029	0.6	---	mc	20744
PUK	1.70	336.0	AM1	04:33:49.880		---	a M1	2.9 11106

DATA_TYPE COMMENT GSE2.1
Event 1528

Official Magnitude:
M1 2.68

Error ellipse:

	Azim	Dip	Mag
Max:	84	74	0.7600
Intermediate:	262	15	0.3700
Min:	352	1	0.2900

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023548 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1529 1.7 km from Arrëz, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/06	05:12:17.75		0.03	40.4900	20.8265				13.1	1.4	6	9	235	0.13	0.51	m	1589

Magnitude	Err	Nsta	Author	OrigID
M1	1.6	0.0	1	1589

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.14	348.0	Sg	05:12:23.391	-0.0									m		20747

KBN	0.14	348.0	Pg	05:12:21.033	0.1	---	mc_	20746	
NEST	0.19	113.0	Sg	05:12:25.633	0.0	---	m_	20749	
NEST	0.19	113.0	Pg	05:12:22.222	-0.0	---	m_	20748	
NEST	0.19	113.0	AMl	05:12:26.050		---	a_ Ml	1.6	11107
FNA	0.51	55.0	Sg	05:12:36.212	0.0	---	m_	20751	
FNA	0.51	55.0	Pg	05:12:28.282	-0.0	---	mc_	20750	

DATA_TYPE COMMENT GSE2.1
Event 1529

Official Magnitude:
Ml 1.59

Error ellipse:

	Azim	Dip	Mag
Max:	241	65	1.5100
Intermediate:	43	23	0.7400
Min:	136	7	0.4100

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023548 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1530 2.5 km from Sinicë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/06	06:11:32.58		0.11	40.5363	20.8800				0.0	0.8	9	5	95	0.11	1.68	m	
1590																	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.4	0.0	3	1590

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.11	322.0	S	06:11:37.105	0.6				---					m_		20753
KBN	0.11	322.0	Pg	06:11:34.685	-0.2				---					m_		20752
KBN	0.11	322.0	AMl	06:11:37.400					---			7.4	0.22	a_ Ml	2.5	11108
NEST	0.18	133.0	Sg	06:11:40.100	0.1				---					m_		20755
NEST	0.18	133.0	Pg	06:11:36.803	0.0				---					m_		20754
NEST	0.18	133.0	AMl	06:11:42.240					---			1.6	0.10	a_ Ml	2.0	11109
FNA	0.46	57.0	Sg	06:11:50.020	0.1				---					m_		20757
FNA	0.46	57.0	Pg	06:11:42.284	-0.2				---					m_		20756
SRN	0.94	227.0	Sg	06:12:06.902	0.1				---					m_		20759
SRN	0.94	227.0	Pg	06:11:52.033	-0.1				---					m_		20758
PUK	1.68	335.0	Sn	06:12:29.980	0.1				---					m_		20761
PUK	1.68	335.0	P	06:12:05.234	-0.1				---					m_		20760
PUK	1.68	335.0	AMl	06:12:31.650					---			0.1	0.52	a_ Ml	2.4	11110

DATA_TYPE COMMENT GSE2.1
Event 1530

Official Magnitude:
Ml 2.39

Error ellipse:

	Azim	Dip	Mag
Max:	255	87	0.7900
Intermediate:	52	2	0.3700
Min:	142	1	0.3300

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023548 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1531 2.0 km from Dardhë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/06	06:24:23.23		0.03	40.5150	20.8037				13.6	1.3	6	5	236	0.11	0.52	m	
1591																	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.2	0.0	2	1591

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
KBN	0.11	354.0	Sg	06:24:28.260	-0.0					---				m		20763	
KBN	0.11	354.0	P	06:24:26.180	0.1					---				m		20762	
KBN	0.11	354.0	AMl	06:24:29.120						---		3.4	0.30	a	Ml	2.4	11111
NEST	0.21	118.0	Sg	06:24:31.981	0.0					---				m		20765	
NEST	0.21	118.0	Pg	06:24:28.193	-0.0					---				m		20764	
NEST	0.21	118.0	AMl	06:24:32.560						---		1.2	0.14	a	Ml	2.0	11112
FNA	0.52	58.0	Sg	06:24:41.756	0.0					---				m		20767	
FNA	0.52	58.0	Pg	06:24:33.779	-0.0					---				m		20766	

DATA_TYPE COMMENT GSE2.1
Event 1531

Official Magnitude:
Ml 2.20

Error ellipse:

	Azim	Dip	Mag
Max:	254	61	1.4400
Intermediate:	43	25	0.7300

Min: 139 13 0.4300

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023547 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1532 1.7 km from Arrëz, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/06	06:45:24.83		0.01	40.4860	20.8372				4.8	1.3	5	5	232	0.14	0.51	m	1592

Magnitude	Err	Nsta	Author	OrigID
M1	2.5	0.0	1	1592

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
KBN	0.14	345.0	S	06:45:29.834	-0.0					---				m		20769	
KBN	0.14	345.0	Pg	06:45:27.695	0.0					---				m		20768	
NEST	0.18	113.0	Sg	06:45:31.921	0.0					---				m		20771	
NEST	0.18	113.0	Pg	06:45:28.868	-0.0					---				m		20770	
NEST	0.18	113.0	AM1	06:45:32.870						---		4.9	0.26	a	M1	2.5	11113
FNA	0.51	54.0	Sg	06:45:43.160	-0.0					---				m		20773	
FNA	0.51	54.0	Pg	06:45:35.562	0.3					---				m		20772	

DATA_TYPE COMMENT GSE2.1
Event 1532

Official Magnitude:
M1 2.53

Error ellipse:

	Azim	Dip	Mag
Max:	231	42	1.8900
Intermediate:	44	46	0.5000
Min:	138	4	0.2600

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023547 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1533 0.3 km from Arrëz, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/06	09:10:00.28		0.06	40.5017	20.8433				10.4	1.3	7	5	114	0.13	0.90	m	

Magnitude	Err	Nsta	Author	OrigID
M1	2.7	0.0	1	1593

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
KBN	0.13	341.0	Sg	09:10:05.240	-0.1									m__		20775	
KBN	0.13	341.0	Pg	09:10:03.192	0.1									m__		20774	
NEST	0.18	118.0	Sg	09:10:07.674	0.1									m__		20777	
NEST	0.18	118.0	P	09:10:04.363	-0.1									m__		20776	
NEST	0.18	118.0	AM1	09:10:08.370								5.8	0.22	a__	M1	2.7	11114
FNA	0.50	55.0	S	09:10:17.756	-0.3									m__		20779	
FNA	0.50	55.0	Pg	09:10:10.462	0.0									m__		20778	
SRN	0.90	227.0	S	09:10:32.016	0.0									m__		20781	
SRN	0.90	227.0	Pg	09:10:18.138	-0.3									m__		20780	

DATA_TYPE COMMENT GSE2.1
Event 1533

Official Magnitude:
M1 2.65

Error ellipse:

	Azim	Dip	Mag
Max:	16	80	1.2700
Intermediate:	229	8	0.3300
Min:	138	5	0.3000

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023547 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1534 2.6 km from Boboshticë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/06	14:16:01.73		0.03	40.5435	20.7917				13.8	0.5	8	17	225	0.08	1.64	m	

Magnitude	Err	Nsta	Author	OrigID
M1	1.9	0.0	3	1594

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.08	358.0	Sg	14:16:06.212	0.0									m__		20783

KBN	0.08	358.0	Pg	14:16:04.520	0.2	---											m		20782						
KBN	0.08	358.0	AM1	14:16:07.170		---											6.8	0.14	a	M1	2.6	11115			
NEST	0.23	123.0	Sg	14:16:11.144	-0.0	---													m			20785			
NEST	0.23	123.0	Pg	14:16:07.170	0.0	---													m			20784			
NEST	0.23	123.0	AM1	14:16:12.410		---													0.7	0.16	a	M1	1.8	11117	
NEST	0.23	123.0	AM1	14:16:11.480		---													0.8	0.10	a	M1	1.9	11116	
FNA	0.51	61.0	Sg	14:16:20.071	0.0	---														m			20787		
FNA	0.51	61.0	Pg	14:16:12.203	0.0	---														m			20786		
PHP	1.17	348.0	Pn	14:16:24.095	0.0	---														m			20789		
PHP	1.17	348.0	Sn	14:16:40.850	-0.0	---														m			20788		
PHP	1.17	348.0	AM1	14:16:42.190		---														0.1	0.38	a	M1	1.9	11118
PUK	1.64	336.0	Pn	14:16:34.527	1.9	---														m			20790		

DATA_TYPE COMMENT GSE2.1
Event 1534

Official Magnitude:
M1 1.89

Error ellipse:

	Azim	Dip	Mag
Max:	230	5	0.6800
Intermediate:	126	68	0.5300
Min:	322	21	0.2900

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023547 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1535 4.1 km from Nikolicë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/06	15:27:06.26		0.19	40.5053	20.7795				14.9	1.0	10	22	124	0.12	1.72	m	1595

Magnitude	Err	Nsta	Author	OrigID
M1	2.3	0.0	3	1595

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
KBN	0.12	2.0	Sg	15:27:11.701	-0.1											20792	
KBN	0.12	2.0	Pg	15:27:09.623	0.2											20791	
KBN	0.12	2.0	AM1	15:27:12.600								8.3	0.30	a	M1	2.8	11119
NEST	0.22	113.0	Sg	15:27:15.426	-0.1											20794	
NEST	0.22	113.0	Pg	15:27:11.787	0.2											20793	
NEST	0.22	113.0	AM1	15:27:16.040								1.9	0.16	a	M1	2.3	11121
NEST	0.22	113.0	AM1	15:27:17.090								2.0	0.22	a	M1	2.3	11120

FNA	0.54	58.0	Sg	15:27:25.381	-0.1	---	m	20796
FNA	0.54	58.0	Pg	15:27:17.300	0.1	---	m	20795
SRN	0.86	224.0	Sn	15:27:36.773	-0.1	---	m	20798
SRN	0.86	224.0	Pg	15:27:23.800	0.1	---	m	20797
PHP	1.21	348.0	Sn	15:27:46.621	0.2	---	m	20800
PHP	1.21	348.0	Pn	15:27:28.783	-0.4	---	m	20799
PHP	1.21	348.0	AM1	15:27:56.480		---	0.2 0.52 a M1 2.2	11122
PUK	1.67	337.0	Pn	15:27:40.166	2.5	---	m	20801
LKD2	1.72	184.0	Pn	15:27:40.013	1.5	---	m	20802

DATA_TYPE COMMENT GSE2.1
Event 1535

Official Magnitude:
M1 2.28

Error ellipse:

	Azim	Dip	Mag
Max:	112	73	0.9900
Intermediate:	307	16	0.5400
Min:	216	4	0.4700

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023547 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1536 1.7 km from Nikolicë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/06	14:56:49.57		0.08	40.4868	20.8185				9.6	0.6	9	22	115	0.13	1.70	m	1596

Magnitude	Err	Nsta	Author	OrigID
M1	2.2	0.0	2	1596

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.14	351.0	Sg	14:56:54.748	0.0					---				m		20804
KBN	0.14	351.0	Pg	14:56:52.543	0.0					---				m		20803
NEST	0.19	112.0	Sg	14:56:57.311	0.1					---				m		20806
NEST	0.19	112.0	Pg	14:56:53.767	-0.2					---				m		20805
NEST	0.19	112.0	AM1	14:56:57.678						---		3.0	0.16	a	M1 2.4	11124
NEST	0.19	112.0	AM1	14:56:59.888						---		2.2	0.44	a	M1 2.2	11123
FNA	0.52	55.0	Sg	14:57:07.632	-0.5					---				m		20808
FNA	0.52	55.0	Pg	14:57:00.152	-0.0					---				m		20807
SRN	0.87	227.0	Sn	14:57:20.508	0.0					---				m		20810
SRN	0.87	227.0	Pn	14:57:07.733	0.5					---				m		20809

PHP	1.23	347.0	Sn	14:57:31.080	0.1	---											m	20812
PHP	1.23	347.0	Pn	14:57:12.718	-0.5	---											m	20811
PHP	1.23	347.0	AM1	14:57:39.238		---					0.0	0.52	a	M1	1.6			11125
PUK	1.70	337.0	Pn	14:57:21.775	-0.0	---											m	20813

DATA_TYPE COMMENT GSE2.1
Event 1536

Official Magnitude:
Ml 2.23

Error ellipse:

	Azim	Dip	Mag
Max:	111	77	0.6600
Intermediate:	241	7	0.3100
Min:	332	10	0.2500

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023547 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1537 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/06	17:50:22.47		0.12	40.4752	20.7913				18.5	0.7	8	22	122	0.14	1.24	m	
1597																	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.0	0.0	4	1597

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
KBN	0.15	359.0	Sg	17:50:29.509	0.0											20815	
KBN	0.15	359.0	Pg	17:50:26.412	-0.1											20814	
KBN	0.15	359.0	AM1	17:50:29.648								2.3	0.32	a	M1	2.3	11126
NEST	0.21	107.0	Sg	17:50:30.751	-1.0											20817	
NEST	0.21	107.0	Pg	17:50:27.749	-0.0											20816	
NEST	0.21	107.0	AM1	17:50:31.888								1.8	0.24	a	M1	2.2	11128
NEST	0.21	107.0	AM1	17:50:32.008								1.1	0.28	a	M1	2.0	11127
FNA	0.54	55.0	Sg	17:50:42.027	-0.1											20819	
FNA	0.54	55.0	Pg	17:50:33.859	0.2											20818	
SRN	0.85	226.0	Sg	17:50:52.368	0.0											20821	
SRN	0.85	226.0	Pg	17:50:38.570	-1.0											20820	
SRN	0.85	226.0	AM1	17:50:53.728								0.1	0.46	a	M1	1.7	11129
PHP	1.24	348.0	Sn	17:51:03.358	0.1											20823	
PHP	1.24	348.0	Pn	17:50:45.518	-0.2											20822	
PHP	1.24	348.0	AM1	17:51:07.438								0.1	0.40	a	M1	1.9	11130

DATA_TYPE COMMENT GSE2.1
 Event 1537

Official Magnitude:
 M1 2.03

Error ellipse:

	Azim	Dip	Mag
Max:	94	57	0.8300
Intermediate:	322	22	0.5800
Min:	223	22	0.4200

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1570023547 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1538 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/06	18:00:24.92		0.45	41.1888	19.9763				35.6	1.4	20	22	129	0.52	1.60	m	

Magnitude	Err	Nsta	Author	OrigID
M1	2.7	0.0	7	1598

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
TIR	0.18	333.0	Pg	18:00:29.620	-2.2									m		20824	
BPA1	0.52	208.0	Sg	18:00:45.280	0.2									m		20826	
BPA1	0.52	208.0	Pg	18:00:36.076	-0.4									m		20825	
PHP	0.61	35.0	Sg	18:00:46.762	-0.1									m		20828	
PHP	0.61	35.0	Pg	18:00:36.767	-0.7									m		20827	
PHP	0.61	35.0	AM1	18:00:54.018								0.7	0.38	a	M1	2.4	11131
VLO	0.81	208.0	Sg	18:00:52.119	0.2									m		20830	
VLO	0.81	208.0	Pg	18:00:40.929	0.6									m		20829	
VLO	0.81	208.0	AM1	18:00:59.958								2.8	0.32	a	M1	3.1	11132
KBN	0.83	132.0	Pg	18:00:40.756	-0.3									m		20832	
KBN	0.83	132.0	Sg	18:00:53.737	0.6									m		20831	
PUK	0.86	356.0	Sg	18:00:54.691	0.3									m		20834	
PUK	0.86	356.0	P	18:00:41.332	-0.4									m		20833	
PUK	0.86	356.0	AM1	18:00:57.168								0.9	0.50	a	M1	2.7	11133
NEST	1.12	133.0	Sn	18:01:03.564	1.0									m		20836	
NEST	1.12	133.0	Pn	18:00:45.877	-0.6									m		20835	
NEST	1.12	133.0	AM1	18:01:08.448								0.5	0.44	a	M1	2.6	11134
FNA	1.14	110.0	Sg	18:01:03.306	0.3									m		20838	
FNA	1.14	110.0	Pg	18:00:46.521	-0.2									m		20837	

BCI	1.18	3.0	Sn	18:01:04.278	0.4	---											m	20840	
BCI	1.18	3.0	Pn	18:00:48.049	0.8	---												m	20839
BCI	1.18	3.0	AM1	18:01:10.958		---					1.2	0.52	a	M1	3.0			11135	
SRN	1.31	179.0	Sg	18:01:07.324	-1.0	---												m	20842
SRN	1.31	179.0	Pg	18:00:49.205	-0.5	---												m	20841
SRN	1.31	179.0	AM1	18:01:13.238		---					0.3	0.60	a	M1	2.4			11136	
KEK	1.48	186.0	Pn	18:00:52.659	0.6	---												m	20843
SCTE	1.60	0.0	Pn	18:00:52.658	0.0	---												m	20845
SCTE	1.60	227.0	Sn	18:01:15.387	-0.2	---												m	20844
SCTE	1.60	227.0	AM1	18:01:19.308		---					0.5	0.30	a	M1	2.9			11137	

DATA_TYPE COMMENT GSE2.1
Event 1538

Official Magnitude:
M1 2.66

Error ellipse:

	Azim	Dip	Mag
Max:	291	80	1.3800
Intermediate:	103	9	0.9600
Min:	193	1	0.6300

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023547 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1539 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/06	18:37:10.51		0.01	40.4920	20.8393				8.0	2.8	4	8	229	0.13	0.51	m	1599

Magnitude	Err	Nsta	Author	OrigID
M1	1.8	0.0	2	1599

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
NEST	0.00	0.0	Pg	18:37:14.382	0.0					---						m	20851
NEST	0.18	115.0	Sg	18:37:17.595	-0.0					---						m	20848
NEST	0.18	115.0	AM1	18:37:18.160						---		1.1	0.22	a	M1	1.9	11139
KBN	0.14	344.0	Sg	18:37:15.475	0.0					---						m	20847
KBN	0.14	344.0	Pg	18:37:13.076	-0.3					---						m	20846
KBN	0.14	344.0	AM1	18:37:16.600						---		0.9	0.24	a	M1	1.7	11138
FNA	0.51	54.0	Sg	18:37:28.521	0.0					---						m	20850
FNA	0.51	54.0	Pg	18:37:20.796	0.0					---						m	20849

DATA_TYPE COMMENT GSE2.1
Event 1539

Official Magnitude:
Ml 1.82

Error ellipse:

	Azim	Dip	Mag
Max:	239	71	2.9500
Intermediate:	47	18	0.7800
Min:	138	4	0.3200

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023547 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1540 2.1 km from Sinicë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/06	20:15:41.92		0.06	40.4958	20.8687				4.1	2.2	5	3	215	0.14	0.48	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.4	0.0	1	1600

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.14	335.0	Sg	20:15:46.805	-0.1					---				m		20853
KBN	0.14	335.0	Pg	20:15:44.825	0.1					---				m		20852
NEST	0.16	0.0	Pg	20:15:45.563	0.0					---				m		20857
NEST	0.16	120.0	Sg	20:15:48.339	0.0					---				m		20854
NEST	0.16	120.0	AMl	20:15:49.500						---		0.4	0.24	a	Ml 1.4	11140
FNA	0.48	53.0	Sg	20:15:59.564	0.1					---				m		20856
FNA	0.48	53.0	Pg	20:15:51.886	-0.1					---				m		20855

DATA_TYPE COMMENT GSE2.1
Event 1540

Official Magnitude:
Ml 1.41

Error ellipse:

	Azim	Dip	Mag
Max:	227	44	3.1500
Intermediate:	35	45	0.6300
Min:	131	6	0.3300

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1570023547 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1541 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/06	20:19:17.49		0.07	40.5157	20.8658				8.6	3.0	5	3	207	0.13	0.47	m	

Magnitude	Err	Nsta	Author	OrigID
M1	1.2	0.0	2	1601

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
KBN	0.12	332.0	Sg	20:19:22.027	-0.1					---				m		20859	
KBN	0.12	332.0	Pg	20:19:20.205	0.1					---				m		20858	
KBN	0.12	332.0	AM1	20:19:24.260						---		0.4	0.40	a	M1	1.3	11141
NEST	0.17	0.0	Pg	20:19:20.944	0.0					---				m		20863	
NEST	0.17	125.0	Sg	20:19:24.450	-0.0					---				m		20860	
NEST	0.17	125.0	AM1	20:19:27.100						---		0.2	0.28	a	M1	1.1	11142
FNA	0.47	55.0	Sg	20:19:34.564	0.1					---				m		20862	
FNA	0.47	55.0	Pg	20:19:27.123	-0.1					---				m		20861	

DATA_TYPE COMMENT GSE2.1
 Event 1541

Official Magnitude:
 M1 1.21

Error ellipse:

	Azim	Dip	Mag
Max:	239	72	3.0900
Intermediate:	37	16	0.7600
Min:	129	6	0.3900

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1570023547 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1542 0.2 km from Arrëz, Korçë, Albania

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

2019/08/07 02:46:11.26 0.03 40.4998 20.8377 8.2 2.7 6 6 226 0.13 0.50 m
1602

Magnitude Err Nsta Author OrigID
Ml 0.7 0.0 1 1602

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.13	343.0	Sg	02:46:15.986	-0.0					---				m_		20865
KBN	0.13	343.0	Pg	02:46:13.991	0.0					---				mc_		20864
NEST	0.18	117.0	Sg	02:46:18.542	0.0					---				m_		20867
NEST	0.18	117.0	Pg	02:46:15.363	-0.1					---				mc_		20866
NEST	0.18	117.0	AMl	02:46:19.230						---		0.1	0.16	a_	Ml 0.7	11143
FNA	0.50	55.0	Sg	02:46:29.143	-0.0					---				m_		20869
FNA	0.50	55.0	Pg	02:46:21.505	0.0					---				md_		20868

DATA_TYPE COMMENT GSE2.1
Event 1542

Official Magnitude:
Ml 0.72

Error ellipse:

	Azim	Dip	Mag
Max:	251	77	2.7400
Intermediate:	47	11	0.7600
Min:	138	5	0.3500

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023547 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1543 2.4 km from Bickë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/07	06:58:45.34		0.05	40.6748	20.6540				14.1	0.7	6	6	308	0.12	0.56	m	

1603

Magnitude Err Nsta Author OrigID
Ml 1.2 0.0 1 1603

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.11	116.0	Sg	06:58:50.572	-0.0					---				m_		20871
KBN	0.11	116.0	Pg	06:58:48.403	0.1					---				mc_		20870
NEST	0.40	130.0	Sg	06:59:00.046	0.0					---				m_		20873
NEST	0.40	130.0	Pg	06:58:53.638	-0.1					---				mc_		20872
NEST	0.40	130.0	AMl	06:59:02.240						---		0.1	0.12	a_	Ml 1.2	11144

FNA 0.56 78.0 Sg 06:59:05.454 -0.0 _____ m_ 20875
 FNA 0.56 78.0 Pg 06:58:56.855 0.0 _____ mc_ 20874

DATA_TYPE COMMENT GSE2.1
 Event 1543

Official Magnitude:
 Ml 1.20

Error ellipse:
 Azim Dip Mag
 Max: 278 18 1.1600
 Intermediate: 163 51 0.9500
 Min: 20 33 0.6800

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1570023546 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1544 2.4 km from Dardhë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/07	10:41:32.42		0.03	40.5155	20.7987				8.8	2.0	6	7	239	0.11	0.52	m	1604

Magnitude	Err	Nsta	Author	OrigID
Ml	1.2	0.0	1	1604

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.11	356.0	Sg	10:41:36.610	0.0											20877
KBN	0.11	356.0	Pg	10:41:34.765	-0.0											20876
NEST	0.22	117.0	Sg	10:41:40.777	-0.0											20879
NEST	0.22	117.0	Pg	10:41:37.269	0.1											20878
NEST	0.22	117.0	AM1	10:41:42.610								0.2	0.18	a_	Ml 1.2	11145
FNA	0.52	58.0	Sg	10:41:50.887	0.0											20881
FNA	0.52	58.0	Pg	10:41:42.945	-0.0											20880

DATA_TYPE COMMENT GSE2.1
 Event 1544

Official Magnitude:
 Ml 1.17

Error ellipse:
 Azim Dip Mag
 Max: 268 71 2.0900

Intermediate: 50 14 0.8100
 Min: 143 11 0.3800

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1570023546 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1545 1.7 km from Arrëz, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/07	13:03:57.48		0.01	40.4873	20.8298				10.6	1.5	5	6	234	0.14	0.51	m	1605

Magnitude	Err	Nsta	Author	OrigID
M1	1.4	0.0	1	1605

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.14	347.0	Sg	13:04:02.836	0.0					---				m_		20883
KBN	0.14	347.0	Pg	13:04:00.548	0.0					---				md_		20882
NEST	0.18	113.0	Sg	13:04:04.949	0.0					---				m_		20885
NEST	0.18	113.0	Pg	13:04:02.011	0.3					---				md_		20884
NEST	0.18	113.0	AML	13:04:07.910						---		0.3	0.34	a_ M1	1.4	11146
FNA	0.51	54.0	Sg	13:04:15.833	0.0					---				m_		20887
FNA	0.51	54.0	Pg	13:04:07.954	0.0					---				mc_		20886

DATA_TYPE COMMENT GSE2.1
 Event 1545

Official Magnitude:
 M1 1.42

Error ellipse:

	Azim	Dip	Mag
Max:	234	66	1.6300
Intermediate:	38	23	0.7000
Min:	131	6	0.3300

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1570023546 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1546 2.0 km from Nikolicë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/07	13:12:59.04		0.19	40.4750	20.7823				17.7	0.9	10	22	123	0.15	1.24	m	

OrigID
1606

Magnitude	Err	Nsta	Author	OrigID
Ml	3.0	0.0	3	1606

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
KBN	0.15	1.0	Sg	13:13:05.743	-0.1									m__		20889	
KBN	0.15	1.0	Pg	13:13:03.204	0.3									mc__		20888	
NEST	0.21	106.0	Sg	13:13:08.171	-0.2									m__		20891	
NEST	0.21	106.0	Pg	13:13:04.537	0.2									mc__		20890	
NEST	0.21	106.0	AMl	13:13:08.660								9.4	0.24	a__	Ml	3.0	11147
FNA	0.55	56.0	Sg	13:13:18.725	-0.1									m__		20893	
FNA	0.55	56.0	Pg	13:13:10.526	0.2									mc__		20892	
SRN	0.84	226.0	Sg	13:13:28.995	0.2									m__		20895	
SRN	0.84	226.0	Pg	13:13:15.698	-0.4									mc__		20894	
KEK	1.07	226.0	Sn	13:13:40.284	5.0									m__		20897	
KEK	1.07	226.0	Pn	13:13:23.261	3.5									md__		20896	
KEK	1.07	226.0	AMl	13:13:43.030								685.0	0.36	a__	Ml	5.7	11148
PHP	1.24	349.0	Sn	13:13:39.820	-0.0									m__		20899	
PHP	1.24	349.0	Pn	13:13:22.251	-0.1									mc__		20898	
PHP	1.24	349.0	AMl	13:13:50.330								0.3	0.72	a__	Ml	2.5	11149

DATA_TYPE COMMENT GSE2.1
Event 1546

Official Magnitude:
Ml 2.96

Error ellipse:

	Azim	Dip	Mag
Max:	92	59	1.0700
Intermediate:	328	17	0.5700
Min:	230	24	0.4600

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023546 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1547 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/07	13:26:35.45		0.03	40.4923	20.8373				8.6	2.5	6	6	229	0.13	0.51	m	

OrigID
1607

Magnitude Err Nsta Author OrigID
Ml 2.3 0.0 1 1607

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.14	344.0	Sg	13:26:40.481	0.0									m_		20901
KBN	0.14	344.0	Pg	13:26:38.266	-0.0									mc_		20900
NEST	0.18	115.0	Sg	13:26:42.637	0.0									m_		20903
NEST	0.18	115.0	Pg	13:26:39.539	-0.0									mc_		20902
NEST	0.18	115.0	AMl	13:26:43.310								2.5	0.18	a_ Ml	2.3	11150
FNA	0.51	55.0	Sg	13:26:53.468	-0.0									m_		20905
FNA	0.51	55.0	Pg	13:26:45.819	0.1									mc_		20904

DATA_TYPE COMMENT GSE2.1
Event 1547

Official Magnitude:
Ml 2.27

Error ellipse:

	Azim	Dip	Mag
Max:	246	76	2.5200
Intermediate:	45	12	0.7800
Min:	136	5	0.3600

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023546 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1548 1.7 km from Nikolicë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/07	17:39:24.04		0.14	40.4603	20.8012				15.5	1.5	7	22	130	0.16	0.84	m	
1608																	

Magnitude Err Nsta Author OrigID
Ml 2.0 0.0 2 1608

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.16	357.0	Sg	17:39:30.307	-0.5									m_		20907
KBN	0.16	357.0	Pg	17:39:27.965	0.0									m_		20906
KBN	0.16	357.0	AMl	17:39:31.560								2.3	0.20	a_ Ml	2.3	11151
NEST	0.19	103.0	Sg	17:39:32.550	0.0									m_		20909
NEST	0.19	103.0	Pg	17:39:28.505	-0.4									m_		20908
NEST	0.19	103.0	AMl	17:39:33.840								1.0	0.32	a_ Ml	2.0	11153
NEST	0.19	103.0	AMl	17:39:33.740								1.0	0.32	a_ Ml	2.0	11152

FNA	0.55	53.0	Sg	17:39:43.765	0.2	---	m	20911
FNA	0.55	53.0	Pg	17:39:34.959	-0.3	---	m	20910
SRN	0.84	227.0	Sg	17:39:54.022	0.1	---	m	20913
SRN	0.84	227.0	Pg	17:39:41.134	0.0	---	m	20912

DATA_TYPE COMMENT GSE2.1
Event 1548

Official Magnitude:
Ml 1.97

Error ellipse:

	Azim	Dip	Mag
Max:	122	73	1.5600
Intermediate:	328	15	0.7100
Min:	236	7	0.3300

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023546 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1549 1.0 km from Dardhë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/07	21:32:11.44		0.08	40.5098	20.8252				10.5	2.0	5	5	227	0.12	0.50	m	
1609																	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.7	0.0	2	1609

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
KBN	0.12	346.0	Sg	21:32:16.123	-0.0					---				m		20915	
KBN	0.12	346.0	Pg	21:32:13.796	-0.3					---				m		20914	
KBN	0.12	346.0	AM1	21:32:16.810						---		1.5	0.14	a	Ml	2.0	11154
NEST	0.20	119.0	Sg	21:32:19.238	-0.1					---				m		20917	
NEST	0.20	119.0	Pg	21:32:16.042	0.1					---				m		20916	
NEST	0.20	119.0	AM1	21:32:20.200						---		0.5	0.14	a	Ml	1.7	11156
NEST	0.20	119.0	AM1	21:32:20.280						---		0.5	0.14	a	Ml	1.6	11155
FNA	0.50	57.0	Sg	21:32:29.520	0.1					---				m		20919	
FNA	0.50	57.0	Pg	21:32:21.606	-0.1					---				m		20918	

DATA_TYPE COMMENT GSE2.1
Event 1549

Official Magnitude:
Ml 1.65

Error ellipse:

	Azim	Dip	Mag
Max:	254	64	2.2600
Intermediate:	52	24	0.8600
Min:	146	9	0.4600

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1570023546 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1550 3.9 km from Kamenicë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/07	21:41:28.03		0.01	40.5155	20.7728				15.2	1.2	4	3	250	0.11	0.54	m	

Magnitude	Err	Nsta	Author	OrigID
M1	1.5	0.0	2	1610

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
KBN	0.11	5.0	Sg	21:41:33.422	0.0									m		20921	
KBN	0.11	5.0	Pg	21:41:30.150	-1.0									m		20920	
KBN	0.11	5.0	AM1	21:41:34.350								1.0	0.30	a	M1	1.9	11157
NEST	0.23	0.0	Pg	21:41:33.547	0.0									m		20925	
NEST	0.23	115.0	Sg	21:41:37.598	0.0									m		20922	
NEST	0.23	115.0	AM1	21:41:37.760								0.3	0.16	a	M1	1.5	11159
NEST	0.23	115.0	AM1	21:41:38.810								0.2	0.22	a	M1	1.4	11158
FNA	0.54	60.0	Sg	21:41:47.212	0.0									m		20924	
FNA	0.54	60.0	Pg	21:41:38.986	0.0									m		20923	

DATA_TYPE COMMENT GSE2.1
 Event 1550

Official Magnitude:
 M1 1.51

Error ellipse:

	Azim	Dip	Mag
Max:	246	38	1.9400
Intermediate:	31	45	0.8100
Min:	141	19	0.5300

BEGIN GSE2.1

MSG_TYPE DATA
MSG_ID 1570023546 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1551 1.3 km from Dardhë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/07	22:54:13.16		0.03	40.5107	20.8153				10.0	1.9	5	7	232	0.12	0.51	m	1611

Magnitude	Err	Nsta	Author	OrigID
M1	1.5	0.0	2	1611

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
NEST	0.00	0.0	Pg	22:54:18.155	0.0					---				m		20931	
NEST	0.20	118.0	Sg	22:54:21.199	-0.0					---				m		20928	
NEST	0.20	118.0	AM1	22:54:22.370						---		0.3	0.16	a	M1	1.4	11161
KBN	0.12	350.0	Sg	22:54:17.662	-0.0					---				m			20927
KBN	0.12	350.0	Pg	22:54:15.787	0.0					---				m			20926
KBN	0.12	350.0	AM1	22:54:18.760						---		0.6	0.18	a	M1	1.6	11160
FNA	0.51	57.0	Sg	22:54:31.379	0.0					---				m			20930
FNA	0.51	57.0	Pg	22:54:23.511	-0.1					---				m			20929

DATA_TYPE COMMENT GSE2.1
Event 1551

Official Magnitude:
M1 1.50

Error ellipse:

	Azim	Dip	Mag
Max:	247	65	2.0400
Intermediate:	40	22	0.8400
Min:	134	10	0.4100

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023546 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1552 2.2 km from Arrëz, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/08	01:42:31.68		0.05	40.5008	20.8135				2.0	3.2	6	5	236	0.13	0.52	m	1612

Magnitude Err Nsta Author OrigID
M1 1.7 0.0 2 1612

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.12	351.0	Sg	01:42:35.893	-0.0									m		20933
KBN	0.12	351.0	Pg	01:42:34.030	-0.1									m		20932
KBN	0.12	351.0	AM1	01:42:36.958								1.3	0.28	a	M1	1.8
NEST	0.20	115.0	Sg	01:42:39.532	-0.0									m		20935
NEST	0.20	115.0	Pg	01:42:36.133	-0.1									m		20934
NEST	0.20	115.0	AM1	01:42:40.398								0.5	0.14	a	M1	1.5
FNA	0.52	56.0	Sg	01:42:50.626	-0.1									m		20937
FNA	0.52	56.0	Pg	01:42:42.603	0.1									m		20936

DATA_TYPE COMMENT GSE2.1
Event 1552

Official Magnitude:
M1 1.69

Error ellipse:

	Azim	Dip	Mag
Max:	233	56	3.8200
Intermediate:	53	33	0.7600
Min:	143	0	0.3200

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023546 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1553 3.8 km from Nikolicë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/08	02:08:04.62		0.05	40.5042	20.7840				15.0	1.4	6	7	136	0.12	0.87	m	
1613																	

Magnitude Err Nsta Author OrigID
M1 1.8 0.0 2 1613

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.12	1.0	Sg	02:08:09.733	-0.5									m		20939
KBN	0.12	1.0	Pg	02:08:07.808	0.0									m		20938
KBN	0.12	1.0	AM1	02:08:10.780								1.6	0.30	a	M1	2.1
NEST	0.22	113.0	Sg	02:08:13.731	-0.1									m		20941
NEST	0.22	113.0	Pg	02:08:09.961	0.1									m		20940
NEST	0.22	113.0	AM1	02:08:14.190								0.6	0.14	a	M1	1.8
NEST	0.22	113.0	AM1	02:08:15.240								0.4	0.20	a	M1	1.6

FNA	0.53	58.0	Sg	02:08:23.713	-0.0	---	m	20943
FNA	0.53	58.0	Pg	02:08:15.571	0.0	---	m	20942
SRN	0.87	225.0	Pg	02:08:22.081	-0.0	---	m	20944

DATA_TYPE COMMENT GSE2.1
Event 1553

Official Magnitude:
Ml 1.76

Error ellipse:

	Azim	Dip	Mag
Max:	132	80	1.3800
Intermediate:	333	8	0.6300
Min:	243	4	0.4600

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023546 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1555 0.9 km from Goraj, Berat, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/08	21:22:45.62		0.55	40.8043	19.9512				0.1	2.6	16	10	103	0.24	1.56	m	1615

Magnitude	Err	Nsta	Author	OrigID
Ml	2.7	0.0	6	1615

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
BPA1	0.24	251.0	Sg	21:22:55.333	0.0					---				m		20962
BPA1	0.24	251.0	Pg	21:22:50.380	-0.8					---				m		20961
VLO	0.48	227.0	Sg	21:23:02.628	-0.1					---				m		20964
VLO	0.48	227.0	Pg	21:22:54.516	-0.9					---				m		20963
VLO	0.48	227.0	AM1	21:23:05.710						---		4.8	0.24	a	Ml 2.9	11171
TIR	0.55	354.0	Pg	21:22:57.291	-0.0					---				m		20965
KBN	0.66	105.0	Sg	21:23:09.422	0.4					---				m		20967
KBN	0.66	105.0	Pg	21:22:58.027	-1.0					---				m		20966
SRN	0.92	177.0	Sg	21:23:18.335	-1.0					---				m		20969
SRN	0.92	177.0	Pg	21:23:02.894	-2.0					---				m		20968
SRN	0.92	177.0	AM1	21:23:20.200						---		0.2	0.44	a	Ml 2.0	11172
PHP	0.95	22.0	Sn	21:23:18.805	-0.4					---				m		20971
PHP	0.95	22.0	P	21:23:03.304	-1.5					---				m		20970
PHP	0.95	22.0	AM1	21:23:27.320						---		0.4	0.52	a	Ml 2.4	11173
KEK	1.10	187.0	Sn	21:23:25.236	0.8					---				m		20973
KEK	1.10	187.0	Pn	21:23:08.570	0.8					---				m		20972

KEK	0.91	300.0	AMd	15:09:15.866		---										0.0	58.15	a	Md	2.9	11179
NEST	1.15	8.0	Sn	15:08:38.048	0.1	---												m			20985
NEST	1.15	8.0	Pn	15:08:21.385	-0.1	---												m			20984
NEST	1.15	8.0	AMl	15:08:46.240		---										0.9	0.42	a	Ml	2.9	11186
NEST	1.15	8.0	AMd	15:09:31.678		---										0.0	70.29	a	Md	3.1	11180
FNA	1.56	15.0	Sn	15:08:49.846	-0.0	---												m			20987
FNA	1.56	15.0	Pn	15:08:28.174	-0.1	---												m			20986
FNA	1.56	15.0	AMd	15:09:37.536		---										0.0	69.36	a	Md	2.6	11181
SCTE	1.99	295.0	Pn	15:08:34.781	0.1	---												m			20988
SCTE	1.99	295.0	AMl	15:09:14.310		---										0.5	0.36	a	Ml	3.2	11187
SCTE	1.99	295.0	AMd	15:09:58.911		---										0.0	84.13	a	Md	3.4	11182

DATA_TYPE COMMENT GSE2.1
Event 1556

Official Magnitude:
Ml 2.95

Error ellipse:

	Azim	Dip	Mag
Max:	225	77	1.3300
Intermediate:	123	2	0.6000
Min:	33	13	0.4600

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023545 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1557 0.7 km from Lami i Madh, Dibër, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/09	20:05:36.00		0.05	41.7380	20.0973				19.4	0.6	8	12	183	0.26	1.50	m	1617

Magnitude	Err	Nsta	Author	OrigID
Ml	2.0	0.0	4	1617
Md	2.3	0.0	5	1617

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
PHP	0.26	101.0	Sg	20:05:46.428	-0.0									m		20990	
PHP	0.26	101.0	Pg	20:05:42.047	0.1									m		20989	
PHP	0.26	101.0	AMl	20:05:47.460								1.5	0.22	a	Ml	2.2	11193
PHP	0.26	101.0	AMd	20:06:14.157								0.0	32.11	a	Md	2.3	11188
PUK	0.34	334.0	Sg	20:05:48.218	-0.8									m		20992	
PUK	0.34	334.0	Pg	20:05:43.429	-0.0									m		20991	
PUK	0.34	334.0	AMl	20:05:52.400								0.7	0.36	a	Ml	1.9	11194

PUK	0.34	334.0	AMd	20:06:24.096														0.0	40.67	a	Md	2.5	11189	
BCI	0.63	358.0	Sg	20:05:58.116	0.0															m			20994	
BCI	0.63	358.0	Pg	20:05:48.612	-0.0															m			20993	
BCI	0.63	358.0	AMl	20:05:59.170															0.5	0.56	a	Ml	2.2	11195
BCI	0.63	358.0	AMd	20:06:32.568															0.0	43.96	a	Md	2.0	11190
FNA	1.36	134.0	Sn	20:06:20.344	-0.7															m			20996	
FNA	1.36	134.0	Pn	20:06:01.787	0.1															m			20995	
FNA	1.36	134.0	AMd	20:06:50.690															0.0	48.90	a	Md	2.2	11191
NEST	1.50	151.0	Sn	20:06:25.418	-0.1															m			20998	
NEST	1.50	151.0	Pn	20:06:04.321	0.0															m			20997	
NEST	1.50	151.0	AMl	20:06:33.770															0.1	0.28	a	Ml	1.9	11196
NEST	1.50	151.0	AMd	20:07:10.275															0.0	65.95	a	Md	3.1	11192

DATA_TYPE COMMENT GSE2.1
Event 1557

Official Magnitude:
Ml 2.04

Error ellipse:

	Azim	Dip	Mag
Max:	67	32	1.1500
Intermediate:	239	56	0.5800
Min:	335	4	0.3100

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023545 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1558 0.9 km from Sinicë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/09	18:14:38.95		0.05	40.5153	20.8800				9.0	2.5	6	8	200	0.13	0.47	m	1618

Magnitude	Err	Nsta	Author	OrigID
Ml	1.2	0.0	2	1618
Md	1.7	0.0	3	1618

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
KBN	0.13	327.0	Sg	18:14:43.757	0.0									m		21000	
KBN	0.13	327.0	Pg	18:14:41.702	0.0									m		20999	
KBN	0.13	327.0	AMl	18:14:45.610								0.3	0.18	a	Ml	1.3	11200
KBN	0.13	327.0	AMd	18:14:58.031								0.0	16.33	a	Md	1.0	11197
NEST	0.16	127.0	Sg	18:14:45.688	0.0									m		21002	
NEST	0.16	127.0	Pg	18:14:42.710	-0.1									m		21001	

NEST	0.16	127.0	AMl	18:14:48.110	---	0.2	0.16	a__	Ml	1.2	11201
NEST	0.16	127.0	AMd	18:15:19.993	---	0.0	37.28	a__	Md	2.4	11198
FNA	0.47	55.0	Sg	18:14:55.631	-0.1			m__			21004
FNA	0.47	55.0	Pg	18:14:48.567	0.1			m__			21003
FNA	0.47	55.0	AMd	18:15:21.231		0.0	32.66	a__	Md	1.7	11199

DATA_TYPE COMMENT GSE2.1
Event 1558

Official Magnitude:
Ml 1.24

Error ellipse:

	Azim	Dip	Mag
Max:	239	74	2.5900
Intermediate:	41	14	0.6300
Min:	132	5	0.3500

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023545 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1559 1.4 km from TrĀ-kastro, Epirus, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/10	05:31:25.87		0.19	39.2738	20.6800				41.1	1.8	11	17	164	0.49	4.49	m	

1619

Magnitude	Err	Nsta	Author	OrigID
Ml	3.2	0.0	3	1619

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
LKD2	0.48	183.0	Sg	05:31:45.633	-0.0									m__		21006	
LKD2	0.48	183.0	Pg	05:31:35.636	-1.5									mc__		21005	
SRN	0.80	320.0	Sg	05:31:55.056	0.2									m__		21008	
SRN	0.80	320.0	Pg	05:31:42.247	-0.2									mc__		21007	
SRN	0.80	320.0	AMl	05:32:03.750								0.5	0.30	a__	Ml	2.4	11202
NEST	1.17	13.0	Sg	05:32:04.105	-0.4									m__		21010	
NEST	1.17	13.0	Pg	05:31:46.831	-1.1									mc__		21009	
NEST	1.17	13.0	AMl	05:32:10.610								1.6	0.44	a__	Ml	3.2	11203
KBN	1.35	3.0	Sg	05:32:08.620	0.1									m__		21012	
KBN	1.35	3.0	Pg	05:31:50.476	0.3									mc__		21011	
FNA	1.60	19.0	Sg	05:32:16.119	0.2									m__		21014	
FNA	1.60	19.0	Pg	05:31:54.584	0.1									md__		21013	
PUK	2.83	349.0	Sn	05:32:47.167	-0.2									m__		21016	
PUK	2.83	349.0	Pn	05:32:12.404	-0.0									mc__		21015	

PUK	2.83	349.0	AM1	05:32:48.490	---	0.4	0.66	a	M1	3.5	11204
NOCI	3.16	300.0	Pn	05:32:17.359	-0.1	---	---	md	---	---	21017
SGRT	4.49	306.0	Pn	05:32:35.329	-1.7	---	---	m	---	---	21018

DATA_TYPE COMMENT GSE2.1
Event 1559

Official Magnitude:
M1 3.16

Error ellipse:

	Azim	Dip	Mag
Max:	192	74	1.8400
Intermediate:	97	1	1.0400
Min:	7	16	0.5400

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023545 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1560 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/10	07:53:08.56		0.34	40.3263	19.7895				14.9	1.1	21	12	78	0.27	2.83	m	1620

Magnitude	Err	Nsta	Author	OrigID
M1	3.2	0.0	5	1620

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
VLO	0.27	303.0	S	07:53:18.024	0.2					---				m		21020	
VLO	0.27	303.0	P	07:53:13.608	-0.3					---				m		21019	
VLO	0.27	303.0	AM1	07:53:21.860						---		87.7	0.44	a	M1	4.0	11205
SRN	0.47	159.0	S	07:53:27.780	1.4					---				m		21022	
SRN	0.47	159.0	P	07:53:18.634	-0.1					---				m		21021	
KEK	0.61	179.0	S	07:53:30.361	0.1					---				m		21024	
KEK	0.61	179.0	P	07:53:24.119	3.2					---				m		21023	
KBN	0.82	68.0	S	07:53:36.278	0.1					---				m		21026	
KBN	0.82	68.0	P	07:53:24.728	0.4					---				m		21025	
KBN	0.82	68.0	AM1	07:53:54.450						---		1.6	0.82	a	M1	2.8	11206
NEST	0.97	84.0	S	07:53:42.100	0.3					---				m		21028	
NEST	0.97	84.0	P	07:53:27.344	-0.2					---				m		21027	
NEST	0.97	84.0	AM1	07:53:56.180						---		1.2	0.62	a	M1	2.8	11207
SCTE	1.05	0.0	P	07:53:29.187	0.0					---				m		21042	
SCTE	1.04	257.0	S	07:53:44.755	0.7					---				m		21029	
FNA	1.30	68.0	S	07:53:52.202	0.2					---				m		21031	

FNA	1.30	68.0	P	07:53:33.402	0.0	---	m	---	21030
LKD2	1.68	156.0	S	07:54:03.658	-0.1	---	m	---	21033
LKD2	1.68	156.0	P	07:53:39.773	-0.3	---	m	---	21032
PUK	1.72	2.0	S	07:54:04.760	-0.0	---	m	---	21035
PUK	1.72	2.0	P	07:53:40.555	-0.1	---	m	---	21034
PUK	1.72	2.0	AM1	07:54:12.920		---	0.8	0.44 a M1	3.2 11208
BCI	2.05	5.0	S	07:54:14.075	0.1	---	m	---	21037
BCI	2.05	5.0	P	07:53:45.147	-0.8	---	m	---	21036
BCI	2.05	5.0	AM1	07:54:18.530		---	1.1	0.84 a M1	3.5 11209
NOCI	2.13	284.0	S	07:54:17.631	1.4	---	m	---	21039
NOCI	2.13	284.0	P	07:53:46.319	-0.9	---	m	---	21038
MRVN	2.83	287.0	S	07:54:34.563	0.3	---	m	---	21041
MRVN	2.83	287.0	P	07:53:53.885	-3.7	---	m	---	21040

DATA_TYPE COMMENT GSE2.1
Event 1560

Official Magnitude:
M1 3.19

Error ellipse:

	Azim	Dip	Mag
Max:	191	83	1.1200
Intermediate:	16	6	0.5200
Min:	286	1	0.4800

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023545 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1561 2.4 km from Dardhë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/10	09:30:49.08		0.01	40.5037	20.8060				10.6	1.6	6	6	239	0.12	0.52	m	
1621																	

Magnitude	Err	Nsta	Author	OrigID
M1	2.3	0.0	2	1621
Md	1.9	0.0	3	1621

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.12	354.0	S	09:30:53.883	0.0									m		21044
KBN	0.12	354.0	P	09:30:51.821	0.0									m		21043
KBN	0.12	354.0	AM1	09:30:54.550								3.2	0.52	a M1	2.3	11213
KBN	0.12	354.0	AMd	09:31:31.130								0.0	39.31	a Md	1.9	11210
NEST	0.21	115.0	S	09:30:57.283	0.0									m		21046

NEST	0.21	115.0	P	09:30:53.769	0.0	---											m		21045						
NEST	0.21	115.0	AMl	09:31:00.080		---											2.7	0.34	a	Ml	2.3	11214			
NEST	0.21	115.0	AMd	09:31:23.564		---											0.0	29.79	a	Md	2.2	11211			
FNA	0.52	57.0	S	09:31:07.617	-0.0	---														m		21048			
FNA	0.52	57.0	P	09:30:59.672	-0.0	---														m		21047			
FNA	0.52	57.0	AMd	09:31:38.816		---														0.0	39.14	a	Md	1.9	11212

DATA_TYPE COMMENT GSE2.1
Event 1561

Official Magnitude:
Ml 2.32

Error ellipse:

	Azim	Dip	Mag
Max:	256	69	1.7100
Intermediate:	47	18	0.7800
Min:	140	10	0.3900

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023545 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1562 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/10	14:08:42.49		0.02	40.5065	20.6917				29.0	1.0	5	8	283	0.13	0.59	m	
1622																	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.5	0.0	1	1622
Md	1.8	0.0	3	1622

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
KBN	0.14	31.0	Sg	14:08:51.608	0.0											m	21050
KBN	0.14	31.0	Pg	14:08:47.668	-0.0											m	21049
KBN	0.14	31.0	AMd	14:09:06.510								0.0	18.84	a	Md	1.1	11215
NEST	0.29	108.0	Sg	14:08:55.507	-0.0											m	21052
NEST	0.29	108.0	Pg	14:08:49.955	0.0											m	21051
NEST	0.29	108.0	AMl	14:08:55.740								0.3	0.16	a	Ml	1.5	11218
NEST	0.29	108.0	AMd	14:09:21.960								0.0	32.01	a	Md	2.3	11216
FNA	0.59	62.0	Sg	14:09:04.074	-0.0											m	21054
FNA	0.59	62.0	Pg	14:08:54.567	-0.3											m	21053
FNA	0.59	62.0	AMd	14:09:28.615								0.0	34.05	a	Md	1.8	11217

DATA_TYPE COMMENT GSE2.1

Event 1562

Official Magnitude:
Ml 1.54

Error ellipse:

	Azim	Dip	Mag
Max:	269	61	1.1700
Intermediate:	38	19	0.7700
Min:	136	21	0.6300

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1570023545 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1564 1.5 km from Boboshticë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/10	23:04:52.43		0.04	40.5678	20.7617				14.8	0.9	6	5	255	0.06	0.52	m	
OrigID 1624																	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.8	0.0	1	1624

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.06	19.0	Sg	23:04:56.775	-0.0					---				m_		21066
KBN	0.06	19.0	Pg	23:04:54.992	0.1					---				mc_		21065
NEST	0.27	124.0	Sg	23:05:02.975	0.0					---				m_		21068
NEST	0.27	124.0	Pg	23:04:58.447	-0.0					---				mc_		21067
NEST	0.27	124.0	AMl	23:05:04.650						---		0.6	0.12	a_	Ml 1.8	11227
FNA	0.52	65.0	Sg	23:05:11.110	0.0					---				m_		21070
FNA	0.52	65.0	Pg	23:05:03.042	-0.0					---				mc_		21069

DATA_TYPE COMMENT GSE2.1
 Event 1564

Official Magnitude:
Ml 1.79

Error ellipse:

	Azim	Dip	Mag
Max:	265	44	1.3400
Intermediate:	26	28	0.6700
Min:	136	33	0.5000

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1570023545 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1565 1.2 km from Shëngjin, Lezhë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/11	12:08:17.77		0.07	41.9193	20.1763				18.4	1.1	6	5	161	0.24	1.64	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.2	0.0	4	1625
Md	2.3	0.0	4	1625

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
PUK	0.25	0.0	Pg	12:08:23.668	0.0									m		21078
PUK	0.24	301.0	Sg	12:08:27.852	-0.0									m		21071
PUK	0.24	301.0	AMl	12:08:30.400								6.0	0.22	a	Ml	2.8
PHP	0.31	139.0	Sg	12:08:29.361	-0.1									m		21073
PHP	0.31	139.0	Pg	12:08:24.537	0.1									m		21072
PHP	0.31	139.0	AMl	12:08:31.870								1.1	0.28	a	Ml	2.1
PHP	0.31	139.0	AMd	12:09:03.367								0.0	38.83	a	Md	2.5
BCI	0.45	350.0	Pg	12:08:27.300	0.1									m		21075
BCI	0.45	350.0	Sg	12:08:34.250	-0.1									m		21074
BCI	0.45	350.0	AMl	12:08:37.420								1.1	0.44	a	Ml	2.3
BCI	0.45	350.0	AMd	12:09:16.203								0.0	48.90	a	Md	2.1
FNA	1.46	140.0	Pg	12:08:45.168	-0.1									m		21076
FNA	1.46	140.0	AMd	12:09:34.485								0.0	49.32	a	Md	2.2
NEST	1.64	156.0	Pg	12:08:48.085	-0.4									m		21077
NEST	1.64	156.0	AMl	12:09:22.080								0.0	0.62	a	Ml	1.9
NEST	1.64	156.0	AMd	12:09:53.050								0.0	64.96	a	Md	3.1

DATA_TYPE COMMENT GSE2.1
 Event 1565

Official Magnitude:
 Ml 2.17

Error ellipse:

	Azim	Dip	Mag
Max:	243	53	1.3500
Intermediate:	51	35	0.8700
Min:	145	6	0.3200

BEGIN GSE2.1

MSG_TYPE DATA
 MSG_ID 1570023544 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1568 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/12	15:37:07.88		0.50	41.8887	20.0865				26.3	1.6	19	22	128	0.21	3.24	m	
OrigID 1628																	

Magnitude	Err	Nsta	Author	OrigID
Ml	4.2	0.0	5	1628

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
PUK	0.21	317.0	Sg	15:37:18.435	0.0									m__		21111	
PUK	0.21	317.0	Pg	15:37:14.618	0.7									md__		21110	
PUK	0.21	317.0	AMl	15:37:21.040								446.6	0.26	a__	Ml	4.7	11244
PHP	0.33	127.0	Sg	15:37:20.235	-1.0									m__		21113	
PHP	0.33	127.0	Pg	15:37:15.308	-0.2									mc__		21112	
PHP	0.33	127.0	AMl	15:37:21.490								81.8	0.28	a__	Ml	4.0	11245
BCI	0.48	359.0	Sg	15:37:25.704	0.1									m__		21115	
BCI	0.48	359.0	Pg	15:37:18.074	0.1									mc__		21114	
BCI	0.48	359.0	AMl	15:37:27.880								81.3	0.66	a__	Ml	4.2	11247
BCI	0.48	359.0	AMl	15:37:27.380								76.5	0.62	a__	Ml	4.2	11246
KBN	1.37	157.0	S	15:37:52.728	0.4									m__		21117	
KBN	1.37	157.0	P	15:37:34.321	1.0									m__		21116	
FNA	1.47	138.0	Sn	15:37:56.358	0.0									m__		21119	
FNA	1.47	138.0	Pn	15:37:35.144	-0.4									mc__		21118	
VLO	1.49	198.0	Sn	15:38:01.629	6.2									m__		21121	
VLO	1.49	198.0	Pn	15:37:39.331	4.3									md__		21120	
VLO	1.49	198.0	AMl	15:38:16.400								15.8	0.62	a__	Ml	4.4	11248
NEST	1.64	153.0	Sn	15:38:01.013	0.1									m__		21123	
NEST	1.64	153.0	Pn	15:37:38.821	0.6									md__		21122	
NEST	1.64	153.0	AMl	15:38:10.020								6.5	0.48	a__	Ml	4.1	11249
SRN	2.01	182.0	Sn	15:38:11.040	-0.1									m__		21125	
SRN	2.01	182.0	Pn	15:37:44.171	0.1									md__		21124	
SCTE	2.18	215.0	Pn	15:37:46.814	0.5									m__		21127	
KEK	2.18	186.0	Pn	15:37:49.904	3.6									mc__		21126	
NOCI	2.53	246.0	Pn	15:37:50.881	-0.4									md__		21128	
MRVN	3.04	256.0	Sn	15:38:32.790	-4.3									m__		21130	
MRVN	3.04	256.0	Pn	15:37:58.294	-0.6									md__		21129	
LKD2	3.13	171.0	P	15:37:59.776	-0.4									m__		21131	
SGRT	3.24	270.0	Pn	15:38:01.123	-0.6									mc__		21132	

DATA_TYPE COMMENT GSE2.1
 Event 1568

Official Magnitude:
 Ml 4.17

Error ellipse:

	Azim	Dip	Mag
Max:	41	40	2.4600
Intermediate:	269	37	1.2100
Min:	156	27	0.7200

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1570023544 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1569 1.2 km from Sheh, Elbasan, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/12	19:30:09.58		0.08	41.1178	20.2203				36.2	2.5	8	8	208	0.59	0.96	m	

Magnitude	Err	Nsta	Author	OrigID
M1	1.5	0.0	3	1629

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
TIR	0.35	311.0	S	19:30:23.162	-2.2									m		21133	
PHP	0.59	0.0	P	19:30:21.255	0.0									m		21143	
PHP	0.59	16.0	S	19:30:31.109	-0.0									m		21134	
PHP	0.59	16.0	AM1	19:30:32.990								0.1	0.16	a	M1	1.5	11250
KBN	0.65	138.0	S	19:30:32.654	0.0									m		21136	
KBN	0.65	138.0	P	19:30:22.805	0.1									m		21135	
NEST	0.94	137.0	S	19:30:41.894	-0.0									m		21140	
NEST	0.94	137.0	P	19:30:27.868	-0.2									m		21139	
NEST	0.94	137.0	AM1	19:30:58.160								0.0	0.90	a	M1	1.4	11251
FNA	0.94	110.0	S	19:30:41.878	-0.0									m		21138	
FNA	0.94	110.0	P	19:30:28.247	0.2									m		21137	
PUK	0.96	346.0	S	19:30:43.842	1.8									m		21142	
PUK	0.96	346.0	P	19:30:28.144	0.0									m		21141	
PUK	0.96	346.0	AM1	19:30:44.580								0.2	0.32	a	M1	2.1	11252

DATA_TYPE COMMENT GSE2.1
 Event 1569

Official Magnitude:
 M1 1.51

Error ellipse:

	Azim	Dip	Mag
Max:	54	79	2.5600
Intermediate:	250	9	1.0700

Min: 159 3 0.3600

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023544 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1571 2.6 km from Buzgarë, Elbasan, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/13	00:26:55.68		0.09	41.1602	20.4305				29.3	1.0	16	14	137	0.52	3.20	m	
OrigID 1631																	

Magnitude	Err	Nsta	Author	OrigID
M1	2.6	0.0	5	1631

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
PHP	0.52	0.0	Sg	00:27:14.744	0.0					---				m		21159	
PHP	0.52	0.0	Pg	00:27:06.566	0.0					---				m		21158	
PHP	0.52	0.0	AM1	00:27:17.730						---		2.4	0.36	a	M1	2.7	11258
KBN	0.60	153.0	Sg	00:27:16.696	0.0					---				m		21161	
KBN	0.60	153.0	Pg	00:27:07.580	-0.1					---				m		21160	
KBN	0.60	153.0	AM1	00:27:18.660						---		1.1	0.38	a	M1	2.5	11259
FNA	0.81	117.0	Sn	00:27:23.879	-0.1					---				m		21163	
FNA	0.81	117.0	Pn	00:27:12.087	0.3					---				m		21162	
NEST	0.88	147.0	Sn	00:27:26.001	0.1					---				m		21165	
NEST	0.88	147.0	Pn	00:27:12.857	-0.1					---				m		21164	
NEST	0.88	147.0	AM1	00:27:28.710						---		0.4	0.62	a	M1	2.3	11260
PUK	0.97	336.0	Sg	00:27:28.900	0.4					---				m		21167	
PUK	0.97	336.0	Pg	00:27:14.368	-0.0					---				m		21166	
PUK	0.97	336.0	AM1	00:27:32.770						---		0.7	0.30	a	M1	2.6	11261
BCI	1.24	348.0	Sn	00:27:36.567	0.1					---				m		21169	
BCI	1.24	348.0	Pn	00:27:18.923	-0.1					---				m		21168	
BCI	1.24	348.0	AM1	00:27:44.960						---		0.5	0.54	a	M1	2.7	11262
SRN	1.32	195.0	Sn	00:27:39.906	-0.0					---				m		21171	
SRN	1.32	195.0	Pn	00:27:20.976	0.0					---				m		21170	
KEK	1.52	199.0	Sn	00:27:45.136	0.0					---				m		21173	
KEK	1.52	199.0	Pn	00:27:23.947	0.0					---				m		21172	
LKD2	2.37	175.0	P	00:27:36.035	-0.6					---				m		21174	
NOCI	2.58	263.0	P	00:27:35.932	-3.6					---				m		21175	
MRVN	3.20	270.0	P	00:27:45.469	-3.3					---				m		21176	

DATA_TYPE COMMENT GSE2.1
Event 1571

Official Magnitude:
M1 2.62

Error ellipse:

	Azim	Dip	Mag
Max:	78	55	1.2300
Intermediate:	255	34	0.4100
Min:	346	1	0.2100

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1570023544 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1572 3.9 km from Vilan, Elbasan, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/13	01:37:34.26		0.21	41.0807	20.3225				4.6	3.5	7	5	198	0.43	1.30	m	

Magnitude	Err	Nsta	Author	OrigID
M1	2.1	0.0	4	1632

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
TIR	0.44	0.0	Pg	01:37:42.724	0.0					---				m		21186	
TIR	0.44	308.0	Sg	01:37:50.057	-0.1					---				m		21177	
TIR	0.44	308.0	AM1	01:37:52.220						---		0.3	0.18	a	M1	1.6	11263
PHP	0.61	8.0	S	01:37:55.406	-0.1					---				m		21179	
PHP	0.61	8.0	P	01:37:45.736	-0.6					---				m		21178	
PHP	0.61	8.0	AM1	01:37:56.690						---		0.5	0.34	a	M1	2.1	11264
FNA	0.86	110.0	S	01:38:04.159	-0.1					---				m		21181	
FNA	0.86	110.0	P	01:37:51.554	0.2					---				m		21180	
PUK	1.01	342.0	S	01:38:09.493	0.3					---				m		21183	
PUK	1.01	342.0	P	01:37:52.935	-1.3					---				m		21182	
PUK	1.01	342.0	AM1	01:38:12.620						---		0.2	0.28	a	M1	2.1	11265
BCI	1.30	352.0	S	01:38:18.870	0.1					---				m		21185	
BCI	1.30	352.0	P	01:37:57.963	-1.8					---				m		21184	
BCI	1.30	352.0	AM1	01:38:23.890						---		0.1	0.48	a	M1	2.1	11266

DATA_TYPE COMMENT GSE2.1
 Event 1572

Official Magnitude:
 M1 2.05

Error ellipse:

	Azim	Dip	Mag
Max:	201	83	3.4900
Intermediate:	46	6	1.2600

Min: 316 3 0.4200

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023544 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1573 2.9 km from Bisak, Lezhë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/13	14:41:29.39		0.06	41.8847	20.1432				17.3	1.0	6	8	172	0.24	1.44	m	
OrigID 1633																	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.7	0.0	3	1633
Md	2.2	0.0	4	1633

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
PUK	0.24	311.0	Sg	14:41:39.273	-0.1					---				m		21188	
PUK	0.24	311.0	Pg	14:41:35.141	0.1					---				m		21187	
PUK	0.24	311.0	AMl	14:41:41.470						---		1.0	0.22	a	Ml	2.0	11271
PUK	0.24	311.0	AMd	14:42:10.675						---		0.0	35.53	a	Md	2.4	11267
PHP	0.30	131.0	Sg	14:41:40.675	0.0					---				m		21190	
PHP	0.30	131.0	Pg	14:41:34.956	-0.9					---				m		21189	
PHP	0.30	131.0	AMl	14:41:42.610						---		0.5	0.20	a	Ml	1.7	11272
PHP	0.30	131.0	AMd	14:42:04.857						---		0.0	29.90	a	Md	2.2	11268
BCI	0.48	354.0	Sg	14:41:46.856	0.0					---				m		21192	
BCI	0.48	354.0	Pg	14:41:39.131	-0.2					---				m		21191	
BCI	0.48	354.0	AMl	14:41:48.410						---		0.2	0.46	a	Ml	1.5	11273
BCI	0.48	354.0	AMd	14:42:18.356						---		0.0	39.22	a	Md	1.9	11269
FNA	1.44	139.0	Pn	14:41:56.713	0.0					---				m		21193	
FNA	1.44	139.0	AMd	14:42:46.986						---		0.0	50.27	a	Md	2.2	11270

DATA_TYPE COMMENT GSE2.1
Event 1573

Official Magnitude:
Ml 1.70

Error ellipse:

	Azim	Dip	Mag
Max:	246	65	1.1300
Intermediate:	50	23	0.8700
Min:	143	6	0.3000

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1570023544 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1574 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/13	15:32:34.40		0.05	41.9155	20.2328				7.0	11.6	5	8	160	0.28	0.47	m	

OrigID
1634

Magnitude	Err	Nsta	Author	OrigID
Ml	1.2	0.0	3	1634
Md	2.1	0.0	3	1634

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
PHP	0.28	145.0	Sg	15:32:44.284	-0.0					---				m		21195
PHP	0.28	145.0	Pg	15:32:39.837	-0.2					---				m		21194
PHP	0.28	145.0	AMl	15:32:48.630						---		0.2	0.14	a	Ml	1.2
PHP	0.28	145.0	AMd	15:33:08.506						---		0.0	28.67	a	Md	2.2
PUK	0.28	297.0	Sg	15:32:44.732	-0.0					---				m		21197
PUK	0.28	297.0	Pg	15:32:40.358	0.0					---				m		21196
PUK	0.28	297.0	AMl	15:32:47.170						---		0.4	0.22	a	Ml	1.6
PUK	0.28	297.0	AMd	15:33:06.707						---		0.0	26.35	a	Md	2.1
BCI	0.47	345.0	Sg	15:32:50.868	-0.1					---				m		21199
BCI	0.47	345.0	Pg	15:32:43.930	0.1					---				m		21198
BCI	0.47	345.0	AMl	15:32:53.920						---		0.1	0.24	a	Ml	1.1
BCI	0.47	345.0	AMd	15:33:05.511						---		0.0	21.58	a	Md	1.3

DATA_TYPE COMMENT GSE2.1
 Event 1574

Official Magnitude:
 Ml 1.21

Error ellipse:

	Azim	Dip	Mag
Max:	217	88	11.6300
Intermediate:	54	1	0.6800
Min:	324	1	0.2800

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1570023546 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1650 1.5 km from Dardhë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/08	01:41:22.48		0.04	40.5065	20.8193				9.4	2.1	5	3	232	0.12	0.51	m	

Magnitude	Err	Nsta	Author	OrigID
M1	0.9	0.0	2	1711

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
NEST	0.00	0.0	Pg	01:41:27.271	0.0											22064	
NEST	0.20	117.0	Sg	01:41:30.315	0.0											22061	
NEST	0.20	117.0	AML	01:41:31.480								0.1	0.20	a	M1	0.8	11606
KBN	0.12	349.0	Sg	01:41:27.028	-0.0											22060	
KBN	0.12	349.0	Pg	01:41:25.157	0.1											22059	
KBN	0.12	349.0	AML	01:41:28.070								0.2	0.12	a	M1	1.0	11605
FNA	0.51	57.0	S	01:41:40.694	0.0											22063	
FNA	0.51	57.0	P	01:41:32.808	-0.1											22062	

DATA_TYPE COMMENT GSE2.1
Event 1650

Official Magnitude:
M1 0.91

Error ellipse:

	Azim	Dip	Mag
Max:	247	68	2.2700
Intermediate:	40	19	0.8800
Min:	133	9	0.4000

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023544 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1575 1.5 km from Kalovrysi, Epirus, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/13	22:17:34.75		0.13	40.0933	20.6177				19.1	1.2	10	21	202	0.46	2.02	m	

Magnitude	Err	Nsta	Author	OrigID
M1	2.2	0.0	3	1635

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
NEST	0.46	45.0	Sg	22:17:51.785	0.1											21201

NEST	0.46	45.0	Pg	22:17:44.510	0.1	---											md_		21200		
NEST	0.46	45.0	AM1	22:17:52.380		---												a_	M1	2.1	11280
SRN	0.52	247.0	Sg	22:17:54.452	0.2	---												m_			21203
SRN	0.52	247.0	Pg	22:17:45.711	-0.2	---												mc_			21202
KBN	0.54	13.0	Sg	22:17:52.590	-1.0	---												m_			21205
KBN	0.54	13.0	Pg	22:17:45.255	-0.3	---												md_			21204
KBN	0.54	13.0	AM1	22:17:53.760		---												a_	M1	2.5	11281
FNA	0.90	40.0	Sg	22:18:05.639	0.1	---												m_			21207
FNA	0.90	40.0	Pg	22:17:52.327	-0.0	---												mc_			21206
PHP	1.59	356.0	Sn	22:18:26.598	0.0	---												m_			21209
PHP	1.59	356.0	Pn	22:18:04.391	0.0	---												md_			21208
PHP	1.59	356.0	AM1	22:18:32.200		---												a_	M1	2.2	11282
PUK	2.02	345.0	Pn	22:18:10.871	-0.4	---												mc_			21210

DATA_TYPE COMMENT GSE2.1
Event 1575

Official Magnitude:
M1 2.22

Error ellipse:

	Azim	Dip	Mag
Max:	151	48	1.5400
Intermediate:	314	40	0.8000
Min:	51	9	0.3400

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023544 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1576 3.0 km from Nikolicë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/13	23:08:57.16		0.14	40.4480	20.8043				13.0	0.8	9	7	128	0.18	1.27	m	
1636																	

Magnitude	Err	Nsta	Author	OrigID
M1	1.8	0.0	3	1636

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
KBN	0.18	356.0	Sg	23:09:03.943	0.0											m_	21212
KBN	0.18	356.0	Pg	23:09:00.976	-0.0											mc_	21211
NEST	0.19	100.0	Sg	23:09:05.186	0.1											m_	21214
NEST	0.19	100.0	Pg	23:09:02.463	0.7											mc_	21213
NEST	0.19	100.0	AM1	23:09:06.690								0.8	0.30	a_	M1	1.8	11283
FNA	0.55	52.0	Sg	23:09:16.992	0.1											m_	21216

FNA	0.55	52.0	Pg	23:09:08.219	-0.2	---	---	---	---	---	---	---	---	---	---	mc_	21215	
SRN	0.84	228.0	S	23:09:27.040	0.1	---	---	---	---	---	---	---	---	---	---	m_	21218	
SRN	0.84	228.0	P	23:09:13.559	-0.6	---	---	---	---	---	---	---	---	---	---	m_	21217	
SRN	0.84	228.0	AM1	23:09:27.710		---	---	---	---	---	---	---	---	0.1	0.30	a_ M1	1.5	11284
PHP	1.27	348.0	Sn	23:09:39.369	0.0	---	---	---	---	---	---	---	---	---	---	m_	21220	
PHP	1.27	348.0	Pn	23:09:20.453	-0.8	---	---	---	---	---	---	---	---	---	---	md_	21219	
PHP	1.27	348.0	AM1	23:09:43.870		---	---	---	---	---	---	---	---	0.1	0.52	a_ M1	1.8	11285

DATA_TYPE COMMENT GSE2.1
Event 1576

Official Magnitude:
M1 1.77

Error ellipse:

	Azim	Dip	Mag
Max:	93	69	0.8200
Intermediate:	324	12	0.4000
Min:	231	16	0.3200

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023543 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1577 2.0 km from Qetë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2019/08/14	00:51:32.72		0.34	40.7405	20.3537				29.1	1.0	18	21	83	0.35	1.99	m	1637

Magnitude	Err	Nsta	Author	OrigID
M1	2.9	0.0	5	1637

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.35	109.0	Sg	00:51:46.604	0.1									m_		21222
KBN	0.35	109.0	Pg	00:51:40.332	-0.3									mc_		21221
NEST	0.62	121.0	Sg	00:51:55.826	0.7									m_		21224
NEST	0.62	121.0	Pg	00:51:45.164	-0.4									md_		21223
NEST	0.62	121.0	AM1	00:52:00.700								2.8	0.50	a_ M1	2.9	11286
VLO	0.71	248.0	P	00:51:46.390	0.1									mc_		21225
TIR	0.71	329.0	P	00:51:46.739	-0.3									m_		21226
FNA	0.78	86.0	Sg	00:52:00.281	0.2									m_		21228
FNA	0.78	86.0	Pg	00:51:48.240	-0.1									mc_		21227
SRN	0.90	198.0	S	00:52:06.236	2.0									m_		21230
SRN	0.90	198.0	P	00:51:50.481	-0.3									mc_		21229
PHP	0.95	3.0	Sg	00:52:04.848	0.4									m_		21232

PHP	0.95	3.0	Pg	00:51:50.388	-0.5	---									md_			21231
PHP	0.95	3.0	AM1	00:52:11.220		---					1.7	0.78	a_	M1		3.0		11287
KEK	1.11	203.0	Pn	00:51:55.487	1.5	---									mc_			21233
PUK	1.35	346.0	Sn	00:52:17.027	0.1	---									m_			21235
PUK	1.35	346.0	Pn	00:51:58.247	0.3	---									mc_			21234
PUK	1.35	346.0	AM1	00:52:25.930		---					0.7	3.52	a_	M1		2.9		11288
BCI	1.64	353.0	Sn	00:52:28.092	3.0	---									m_			21237
BCI	1.64	353.0	Pn	00:52:03.737	1.1	---									mc_			21236
BCI	1.64	353.0	AM1	00:52:35.560		---					1.7	1.04	a_	M1		3.5		11289
LKD2	1.96	173.0	Sn	00:52:34.070	0.3	---									m_			21239
LKD2	1.96	173.0	Pn	00:52:07.760	0.2	---									mc_			21238
THE	1.99	92.0	Sn	00:52:33.879	-0.5	---									m_			21241
THE	1.99	92.0	Pn	00:52:07.915	-0.1	---									mc_			21240
THE	1.99	92.0	AM1	00:52:41.160		---					0.3	0.90	a_	M1		2.9		11290

DATA_TYPE COMMENT GSE2.1
Event 1577

Official Magnitude:
M1 2.93

Error ellipse:

	Azim	Dip	Mag
Max:	61	72	1.0400
Intermediate:	238	17	0.7300
Min:	328	1	0.5300

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023543 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1578 0.4 km from Sinicë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
OrigID																		
2019/08/14	04:33:30.79		0.03	40.5117	20.8707				16.5	1.3	6	6	206	0.13	0.47	m		
1638																		

Magnitude	Err	Nsta	Author	OrigID
M1	1.4	0.0	1	1638

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
KBN	0.13	331.0	Sg	04:33:36.897	-0.0										m_	21243	
KBN	0.13	331.0	Pg	04:33:34.302	0.0										mc_	21242	
NEST	0.17	125.0	Sg	04:33:38.650	-0.0										m_	21245	
NEST	0.17	125.0	Pg	04:33:35.327	0.0										mc_	21244	
NEST	0.17	125.0	AM1	04:33:39.560								0.3	0.18	a_	M1	1.4	11291

FNA	0.47	55.0	Sg	04:33:48.082	0.0	---	m_	21247
FNA	0.47	55.0	Pg	04:33:40.597	-0.1	---	mc_	21246

DATA_TYPE COMMENT GSE2.1
Event 1578

Official Magnitude:
Ml 1.39

Error ellipse:

	Azim	Dip	Mag
Max:	235	60	1.5100
Intermediate:	34	27	0.5900
Min:	129	9	0.4300

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023543 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1579 0.4 km from Pinet, Tirana, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/14	06:55:43.88		0.18	41.2827	19.6398				0.0	1.1	10	12	201	0.72	2.61	m	
OrigID 1639																	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.9	0.0	4	1639
Md	2.7	0.0	6	1639

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
PHP	0.72	56.0	S	06:56:09.825	0.1					---				m_		21249	
PHP	0.72	56.0	P	06:55:57.988	-0.7					---				m_		21248	
PHP	0.72	56.0	AMl	06:56:15.760						---		1.8	0.40	a_	Ml	2.8	11298
PHP	0.72	56.0	AMd	06:56:48.168						---		0.0	50.18	a_	Md	2.8	11292
BCI	1.13	16.0	S	06:56:23.578	-0.1					---				m_		21251	
BCI	1.13	16.0	P	06:56:06.672	0.1					---				m_		21250	
BCI	1.13	16.0	AMl	06:56:26.380						---		1.4	0.64	a_	Ml	3.0	11299
BCI	1.13	16.0	AMd	06:57:12.132						---		0.0	65.46	a_	Md	2.5	11293
NEST	1.38	128.0	S	06:56:32.115	0.0					---				m_		21253	
NEST	1.38	128.0	P	06:56:11.434	0.0					---				m_		21252	
NEST	1.38	128.0	AMl	06:56:35.840						---		0.2	0.76	a_	Ml	2.4	11300
NEST	1.38	128.0	AMd	06:57:17.816						---		0.0	66.38	a_	Md	3.1	11294
FNA	1.41	110.0	S	06:56:31.899	-1.2					---				m_		21255	
FNA	1.41	110.0	P	06:56:12.031	0.0					---				m_		21254	
FNA	1.41	110.0	AMd	06:57:11.178						---		0.0	59.15	a_	Md	2.4	11295
KEK	1.57	175.0	S	06:56:38.140	-0.0					---				m_		21257	

KEK	1.57	175.0	P	06:56:14.928	0.0	---											m		21256
KEK	1.57	175.0	AM1	06:56:40.370		---											a	M1	11301
KEK	1.57	175.0	AMd	06:57:19.586		---											a	Md	11296
LKD2	2.61	162.0	S	06:57:07.216	-0.0	---											m		21259
LKD2	2.61	162.0	P	06:56:27.112	-4.4	---											m		21258
LKD2	2.61	162.0	AMd	06:57:35.516		---											a	Md	11297

DATA_TYPE COMMENT GSE2.1
Event 1579

Official Magnitude:
M1 2.92

Error ellipse:

	Azim	Dip	Mag
Max:	290	66	1.2300
Intermediate:	95	22	0.8800
Min:	187	6	0.3600

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023543 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1583 1.1 km from Lagjja e Re, Tirana, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/14	06:36:21.93		0.02	41.2558	19.6463				0.0	0.8	11	10	198	0.74	2.58	m	
1643																	

Magnitude	Err	Nsta	Author	OrigID
M1	2.6	0.0	4	1643
Md	2.6	0.0	6	1643

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
PHP	0.73	0.0	P	06:36:35.661	0.0									m		21315
PHP	0.73	54.0	S	06:36:48.166	-0.0									m		21302
PHP	0.73	54.0	AM1	06:36:53.650								1.2	0.40	a	M1	11329
PUK	0.81	13.0	S	06:36:50.883	-0.0									m		21304
PUK	0.81	13.0	P	06:36:38.492	0.0									m		21303
PUK	0.81	13.0	AM1	06:36:55.970								0.7	0.38	a	M1	11330
PUK	0.81	13.0	AMd	06:37:15.510								0.0	37.02	a	Md	11323
NEST	1.36	127.0	S	06:37:09.459	0.0									m		21306
NEST	1.36	127.0	P	06:36:49.056	-0.0									m		21305
NEST	1.36	127.0	AM1	06:37:15.490								0.1	0.38	a	M1	11331
NEST	1.36	127.0	AMd	06:37:45.829								0.0	56.77	a	Md	11324
FNA	1.40	109.0	S	06:37:10.757	-0.0									m		21308

FNA	1.40	109.0	P	06:36:49.831	-0.0	---											m		21307				
FNA	1.40	109.0	AMd	06:37:41.075		---											0.0	51.24	a	Md	2.2	11325	
SRN	1.40	168.0	S	06:37:11.542	0.0	---													m			21310	
SRN	1.40	168.0	P	06:36:48.890	-1.4	---													m			21309	
SRN	1.40	168.0	AMd	06:38:01.347		---												0.0	72.46	a	Md	2.6	11326
KEK	1.55	175.0	S	06:37:15.412	0.0	---													m			21312	
KEK	1.55	175.0	P	06:36:52.486	0.0	---													m			21311	
KEK	1.55	175.0	AM1	06:37:18.260		---												731.0	0.28	a	M1	6.1	11332
KEK	1.55	175.0	AMd	06:37:50.549		---												0.0	58.06	a	Md	3.0	11327
LKD2	2.58	162.0	S	06:37:44.620	0.0	---														m		21314	
LKD2	2.58	162.0	P	06:37:04.950	-4.2	---														m		21313	
LKD2	2.58	162.0	AMd	06:38:07.192		---												0.0	62.24	a	Md	2.5	11328

DATA_TYPE COMMENT GSE2.1
Event 1583

Official Magnitude:
M1 2.55

Error ellipse:

	Azim	Dip	Mag
Max:	297	75	0.8400
Intermediate:	94	12	0.5100
Min:	186	6	0.2400

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023543 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1584 2.7 km from Golem, Tirana, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/14	06:34:20.17		0.10	41.2407	19.5037				27.1	1.5	11	14	208	0.84	2.60	m	1644

Magnitude	Err	Nsta	Author	OrigID
M1	2.6	0.0	4	1644
Md	2.8	0.0	7	1644

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
PHP	0.83	57.0	P	06:34:33.874	-2.4											21317	
PHP	0.83	57.0	S	06:34:48.410	0.0											21316	
PHP	0.83	57.0	AM1	06:34:51.810								1.2	0.36	a	M1	2.7	11340
PHP	0.83	57.0	AMd	06:35:14.659								0.0	40.78	a	Md	2.6	11333
PUK	0.85	19.0	S	06:34:49.449	0.2											21319	
PUK	0.85	19.0	P	06:34:36.567	-0.2											21318	

PUK	0.85	19.0	AMl	06:34:57.210						1.0	0.26	a__	Ml	2.7	11341
PUK	0.85	19.0	AMd	06:35:36.330						0.0	59.76	a__	Md	3.0	11334
SRN	1.41	164.0	S	06:35:07.288	0.0							m__			21321
SRN	1.41	164.0	P	06:34:47.104	0.0							m__			21320
SRN	1.41	164.0	AMl	06:35:09.950						0.2	0.56	a__	Ml	2.5	11342
SRN	1.41	164.0	AMd	06:36:01.988						0.0	74.88	a__	Md	2.6	11335
NEST	1.43	124.0	S	06:35:07.252	-0.1							m__			21323
NEST	1.43	124.0	P	06:34:47.208	0.1							m__			21322
NEST	1.43	124.0	AMl	06:35:11.820						0.2	0.84	a__	Ml	2.5	11343
NEST	1.43	124.0	AMd	06:35:51.267						0.0	64.06	a__	Md	3.1	11336
FNA	1.49	107.0	S	06:35:09.039	-0.0							m__			21325
FNA	1.49	107.0	P	06:34:48.108	0.0							m__			21324
FNA	1.49	107.0	AMd	06:36:04.892						0.0	76.78	a__	Md	2.7	11337
KEK	1.54	171.0	S	06:35:10.396	0.0							m__			21327
KEK	1.54	171.0	P	06:34:51.635	2.8							m__			21326
KEK	1.54	171.0	AMd	06:35:58.115						0.0	66.48	a__	Md	3.1	11338
LKD2	2.60	159.0	S	06:35:38.057	0.0							m__			21329
LKD2	2.60	159.0	P	06:35:03.275	-1.4							m__			21328
LKD2	2.60	159.0	AMd	06:36:26.639						0.0	83.36	a__	Md	2.8	11339

DATA_TYPE COMMENT GSE2.1
Event 1584

Official Magnitude:
Ml 2.58

Error ellipse:

	Azim	Dip	Mag
Max:	335	69	1.5700
Intermediate:	93	9	0.7400
Min:	186	18	0.3000

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023543 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1587 2.3 km from Nikolicë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/14	15:34:59.99		0.11	40.4950	20.7992				9.7	1.9	6	5	130	0.13	0.87	m	
1647																	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.6	0.0	1	1647
Md	1.9	0.0	3	1647

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.13	356.0	Sg	15:35:04.957	0.1					---				m		21358
KBN	0.13	356.0	Pg	15:35:02.575	-0.2					---				m		21357
KBN	0.13	356.0	AMd	15:35:30.283						---		0.0	27.71	a	Md	1.5
NEST	0.21	112.0	Sg	15:35:08.139	-0.0					---				m		21360
NEST	0.21	112.0	Pg	15:35:05.283	0.6					---				m		21359
NEST	0.21	112.0	AMl	15:35:10.610						---		0.5	0.16	a	Ml	1.6
NEST	0.21	112.0	AMd	15:35:50.283						---		0.0	45.00	a	Md	2.6
FNA	0.53	57.0	Sg	15:35:18.723	-0.1					---				m		21362
FNA	0.53	57.0	Pg	15:35:10.910	0.2					---				m		21361
FNA	0.53	57.0	AMd	15:35:49.661						---		0.0	38.75	a	Md	1.9
SRN	0.87	226.0	Sg	15:35:30.731	-0.0					---				m		21363

DATA_TYPE COMMENT GSE2.1
Event 1587

Official Magnitude:
Ml 1.63

Error ellipse:

	Azim	Dip	Mag
Max:	344	81	1.9100
Intermediate:	138	8	0.5000
Min:	229	4	0.3900

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023543 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1588 1.6 km from Arrëz, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/15	02:02:02.02		0.00	40.4950	20.8223				11.2	2.6	4	3	235	0.13	0.51	m	
1648																	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.7	0.0	2	1648

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.13	349.0	Sg	02:02:07.196	0.0					---				m		21365
KBN	0.13	349.0	Pg	02:02:04.984	0.0					---				m		21364
KBN	0.13	349.0	AMl	02:02:10.400						---		0.8	0.42	a	Ml	1.8
NEST	0.19	0.0	Pg	02:02:06.193	0.0					---				m		21369
NEST	0.19	114.0	Sg	02:02:09.795	-0.0					---				m		21366
NEST	0.19	114.0	AMl	02:02:13.930						---		0.6	0.40	a	Ml	1.7
FNA	0.51	55.0	Sg	02:02:20.385	-0.0					---				m		21368

FNA 0.51 55.0 Pg 02:02:12.051 -0.5 _____ m_e 21367

DATA_TYPE COMMENT GSE2.1
Event 1588

Official Magnitude:
Ml 1.71

Error ellipse:

	Azim	Dip	Mag
Max:	238	67	2.7700
Intermediate:	34	20	0.7600
Min:	127	9	0.4400

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023543 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1589 0.4 km from Nikolicë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/15	02:26:53.11		0.07	40.4762	20.8025				12.5	1.6	5	3	248	0.14	0.54	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.9	0.0	2	1649

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.15	356.0	Sg	02:26:58.920	-0.1					_____				m		21371
KBN	0.15	356.0	Pg	02:26:56.553	0.1					_____				m		21370
KBN	0.15	356.0	AMl	02:26:59.510						_____		0.9	0.36	a	Ml 1.8	11373
NEST	0.20	0.0	Pg	02:26:58.090	0.0					_____				m		21375
NEST	0.20	108.0	Sg	02:27:01.280	0.0					_____				m		21372
NEST	0.20	108.0	AMl	02:27:03.270						_____		0.9	0.40	a	Ml 1.9	11374
FNA	0.54	55.0	Sg	02:27:12.361	0.1					_____				m		21374
FNA	0.54	55.0	Pg	02:27:03.978	-0.1					_____				m		21373

DATA_TYPE COMMENT GSE2.1
Event 1589

Official Magnitude:
Ml 1.86

Error ellipse:

	Azim	Dip	Mag
Max:	234	61	1.8000

Intermediate: 38 27 1.0000
 Min: 131 7 0.4900

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1570023542 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1590 1.8 km from Stropan, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/15	02:37:03.25		0.01	40.6370	20.8883				10.1	3.3	4	3	167	0.08	0.40	m	
OrigID 1650																	

Magnitude	Err	Nsta	Author	OrigID
M1	1.0	0.0	2	1650

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.08	261.0	Sg	02:37:06.821	-0.0					---				m		21377
KBN	0.08	261.0	Pg	02:37:05.288	-0.0					---				m		21376
KBN	0.08	261.0	AM1	02:37:07.060						---		0.4	0.12	a	M1	1.3
NEST	0.30	0.0	Pg	02:37:08.418	0.0					---				m		21381
NEST	0.25	151.0	Sg	02:37:12.963	0.0					---				m		21378
NEST	0.25	151.0	AM1	02:37:13.220						---		0.1	0.24	a	M1	0.8
FNA	0.40	68.0	Sg	02:37:17.912	0.0					---				m		21380
FNA	0.40	68.0	Pg	02:37:10.372	-1.3					---				m		21379

DATA_TYPE COMMENT GSE2.1
 Event 1590

Official Magnitude:
 M1 1.02

Error ellipse:

	Azim	Dip	Mag
Max:	275	71	3.4400
Intermediate:	177	3	0.5700
Min:	86	19	0.3600

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1570023542 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1591 1.5 km from Borsh, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/15	04:18:39.88		0.03	40.5903	20.9327				0.6	1.4	6	6	133	0.12	1.24	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.4	0.0	2	1651

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
KBN	0.12	287.0	Sg	04:18:43.986	0.0					---				m		21383	
KBN	0.12	287.0	Pg	04:18:41.357	-0.9					---				m		21382	
KBN	0.12	287.0	AMl	04:18:44.310						---		5.6	0.36	a	Ml	2.4	11377
NEST	0.18	0.0	Pg	04:18:42.557	0.0					---				m		21389	
NEST	0.20	153.0	Sg	04:18:47.566	-0.3					---				m		21384	
NEST	0.20	153.0	AMl	04:18:50.300						---		3.7	0.40	a	Ml	2.4	11378
FNA	0.39	60.0	Sg	04:18:55.047	-0.0					---				m		21386	
FNA	0.39	60.0	Pg	04:18:48.598	0.0					---				m		21385	
KEK	1.24	226.0	Sn	04:19:23.268	0.0					---				m		21388	
KEK	1.24	226.0	Pn	04:19:04.647	-0.0					---				m		21387	

DATA_TYPE COMMENT GSE2.1
Event 1591

Official Magnitude:
Ml 2.44

Error ellipse:

	Azim	Dip	Mag
Max:	324	57	1.6700
Intermediate:	180	27	0.3900
Min:	81	17	0.2300

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023542 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1595 1.1 km from Grapsh, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/15	11:03:05.95		0.01	40.5925	20.8755				9.3	0.7	6	10	128	0.07	1.21	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.4	0.0	1	1655
Md	2.0	0.0	3	1655

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.07	295.0	S	11:03:09.255	-0.0					---				m		21409
KBN	0.07	295.0	P	11:03:07.020	-0.8					---				m		21408
KBN	0.07	295.0	AMd	11:03:34.960						---		0.0	27.94	a	Md	1.5
NEST	0.22	0.0	P	11:03:09.079	0.0					---				m		21415
NEST	0.22	143.0	S	11:03:14.562	0.0					---				m		21410
NEST	0.22	143.0	AM1	11:03:14.870						---		3.0	0.18	a	M1	2.4
FNA	0.43	63.0	S	11:03:21.461	-0.0					---				m		21412
FNA	0.43	63.0	P	11:03:14.816	0.0					---				m		21411
FNA	0.43	63.0	AMd	11:03:58.820						---		0.0	44.00	a	Md	2.0
KEK	1.21	224.0	S	11:03:47.219	-0.0					---				m		21414
KEK	1.21	224.0	P	11:03:29.528	-0.0					---				m		21413
KEK	1.21	224.0	AMd	11:04:32.269						---		0.0	62.74	a	Md	3.0

DATA_TYPE COMMENT GSE2.1
Event 1595

Official Magnitude:
M1 2.41

Error ellipse:

	Azim	Dip	Mag
Max:	349	62	0.7600
Intermediate:	150	26	0.4100
Min:	244	8	0.3100

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023542 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1598 2.4 km from Kozel, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/15	16:44:23.98		0.17	40.4708	20.7642				14.3	1.5	6	6	141	0.15	0.83	m	
1658																	

Magnitude	Err	Nsta	Author	OrigID
M1	1.9	0.0	2	1658
Md	2.0	0.0	3	1658

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.15	6.0	Sg	16:44:30.157	-0.1					---				m		21434
KBN	0.15	6.0	Pg	16:44:27.903	0.3					---				m		21433
KBN	0.15	6.0	AM1	16:44:32.870						---		1.3	0.16	a	M1	2.0
KBN	0.15	6.0	AMd	16:44:53.826						---		0.0	25.92	a	Md	1.5

NEST	0.22	104.0	Sg	16:44:33.183	0.0	---										m		21436
NEST	0.22	104.0	Pg	16:44:30.119	0.9	---										m		21435
NEST	0.22	104.0	AMl	16:44:35.990		---						0.7	0.18	a	Ml		1.8	11402
NEST	0.22	104.0	AMd	16:45:16.869		---						0.0	46.75	a	Md		2.7	11399
FNA	0.56	56.0	Sg	16:44:43.898	-0.2	---										m		21438
FNA	0.56	56.0	Pg	16:44:35.660	0.2	---										m		21437
FNA	0.56	56.0	AMd	16:45:17.758		---						0.0	42.10	a	Md		2.0	11400
SRN	0.83	225.0	Sg	16:44:53.383	-0.1	---										m		21439

DATA_TYPE COMMENT GSE2.1
Event 1598

Official Magnitude:
Ml 1.91

Error ellipse:

	Azim	Dip	Mag
Max:	348	77	1.5700
Intermediate:	137	10	0.7500
Min:	228	7	0.4900

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023542 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1599 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/16	10:49:25.54		0.07	40.4552	20.7740				17.8	1.0	7	6	136	0.17	0.83	m	
1659																	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.3	0.0	1	1659

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
KBN	0.17	3.0	Sg	10:49:32.961	0.1					---					m	21441	
KBN	0.17	3.0	Pg	10:49:29.596	-0.1					---					mc	21440	
NEST	0.21	100.0	Sg	10:49:34.913	0.0					---					m	21443	
NEST	0.21	100.0	Pg	10:49:30.862	-0.0					---					mc	21442	
NEST	0.21	100.0	AMl	10:49:36.220						---		1.9	0.24	a	Ml	2.3	11403
FNA	0.57	54.0	Sg	10:49:45.877	0.0					---					m	21445	
FNA	0.57	54.0	Pg	10:49:36.807	-0.3					---					mc	21444	
SRN	0.83	227.0	S	10:49:54.779	0.0					---					m	21447	
SRN	0.83	227.0	P	10:49:41.719	-0.5					---					mc	21446	

DATA_TYPE COMMENT GSE2.1

Event 1599

Official Magnitude:
Ml 2.28

Error ellipse:

	Azim	Dip	Mag
Max:	32	66	1.0400
Intermediate:	137	6	0.5000
Min:	230	23	0.3100

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1570023542 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1600 2.6 km from Nikolicë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/16	13:00:41.74		0.01	40.4962	20.7937				11.4	1.5	6	5	246	0.13	0.53	m	
OrigID 1660																	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.2	0.0	2	1660

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
KBN	0.13	358.0	Sg	13:00:46.834	-0.0									m_		21449	
KBN	0.13	358.0	Pg	13:00:44.649	-0.0									mc_		21448	
KBN	0.13	358.0	AMl	13:00:48.030								2.9	0.40	a_	Ml	2.3	11404
NEST	0.21	112.0	Sg	13:00:50.175	-0.0									m_		21451	
NEST	0.21	112.0	Pg	13:00:46.579	0.0									mc_		21450	
NEST	0.21	112.0	AMl	13:00:50.950								1.3	0.26	a_	Ml	2.0	11405
FNA	0.53	57.0	Sg	13:01:00.713	0.0									m_		21453	
FNA	0.53	57.0	Pg	13:00:52.563	-0.0									mc_		21452	

DATA_TYPE COMMENT GSE2.1
 Event 1600

Official Magnitude:
Ml 2.16

Error ellipse:

	Azim	Dip	Mag
Max:	256	68	1.6000
Intermediate:	48	18	0.8100
Min:	141	10	0.4100

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1570023542 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1602 0.9 km from Dhëmblan, Gjirokaštër, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/17	06:35:21.73		0.25	40.3393	19.8597				8.8	1.6	13	8	111	0.31	1.70	m	

Magnitude	Err	Nsta	Author	OrigID
M1	2.6	0.0	3	1662

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
VLO	0.31	296.0	Sg	06:35:32.067	0.2									m__		21471
VLO	0.31	296.0	Pg	06:35:26.698	-0.8									mc__		21470
VLO	0.31	296.0	AM1	06:35:34.200								21.9	0.50	a__	M1	3.4
SRN	0.47	166.0	Sg	06:35:39.518	0.3									m__		21473
SRN	0.47	166.0	Pg	06:35:31.319	-0.4									mc__		21472
KEK	0.63	185.0	Sg	06:35:43.981	0.2									m__		21475
KEK	0.63	185.0	Pg	06:35:37.929	3.6									mc__		21474
NEST	0.91	84.0	S	06:35:53.307	-0.0									m__		21477
NEST	0.91	84.0	P	06:35:39.670	-0.1									mc__		21476
NEST	0.91	84.0	AM1	06:36:03.940								0.3	0.46	a__	M1	2.3
FNA	1.24	68.0	S	06:36:04.222	0.1									m__		21479
FNA	1.24	68.0	P	06:35:46.453	0.5									mc__		21478
LKD2	1.67	158.0	Sn	06:36:17.331	0.0									m__		21481
LKD2	1.67	158.0	Pn	06:35:53.260	-0.2									mc__		21480
PUK	1.70	0.0	Sn	06:36:18.296	0.1									m__		21483
PUK	1.70	0.0	Pn	06:35:53.585	-0.4									mc__		21482
PUK	1.70	0.0	AM1	06:36:25.470								0.2	0.40	a__	M1	2.6

DATA_TYPE COMMENT GSE2.1
 Event 1602

Official Magnitude:
 M1 2.60

Error ellipse:

	Azim	Dip	Mag
Max:	233	80	1.5900
Intermediate:	85	8	0.5500
Min:	354	5	0.4200

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1570023542 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1604 1.0 km from Pocestë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/18	07:15:19.13		0.02	40.6908	20.7135				16.5	0.8	5	5	299	0.09	0.52	m	
OrigID 1664																	

Magnitude	Err	Nsta	Author	OrigID
M1	1.5	0.0	1	1664

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.09	140.0	Sg	07:15:24.385	-0.0					---				m_		21496
KBN	0.09	140.0	Pg	07:15:22.162	0.0					---				mc_		21495
NEST	0.38	137.0	Sg	07:15:33.251	0.0					---				m_		21498
NEST	0.38	137.0	Pg	07:15:27.168	-0.0					---				mc_		21497
NEST	0.38	137.0	AM1	07:15:33.840						---		0.2	0.18	a_ M1	1.5	11411
FNA	0.52	79.0	Sg	07:15:37.773	0.0					---				m_		21500
FNA	0.52	79.0	Pg	07:15:30.484	0.7					---				mc_		21499

DATA_TYPE COMMENT GSE2.1
 Event 1604

Official Magnitude:
 M1 1.51

Error ellipse:

	Azim	Dip	Mag
Max:	290	37	1.3500
Intermediate:	165	37	0.9100
Min:	48	31	0.6100

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1570023542 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1605 2.9 km from Bezhan, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/18	23:59:00.63		0.15	40.4325	20.7652				4.4	0.9	8	5	133	0.19	1.74	m	
OrigID 1665																	

Magnitude Err Nsta Author OrigID
Ml 2.0 0.0 3 1665

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.19	5.0	Sg	23:59:07.338	-0.1									m		21502
KBN	0.19	5.0	Pg	23:59:04.443	-0.1									m		21501
NEST	0.22	94.0	Sg	23:59:09.253	0.0									m		21504
NEST	0.22	94.0	Pg	23:59:05.745	0.2									m		21503
NEST	0.22	94.0	AMl	23:59:10.150								1.3	0.34	a	Ml 2.0	11412
FNA	0.59	53.0	Sg	23:59:21.377	-0.2									m		21506
FNA	0.59	53.0	Pg	23:59:11.783	-0.8									m		21505
SRN	0.80	227.0	Sg	23:59:29.414	-0.1									m		21508
SRN	0.80	227.0	Pg	23:59:16.066	-1.1									m		21507
SRN	0.80	227.0	AMl	23:59:30.240								0.1	0.52	a	Ml 1.7	11413
PUK	1.74	339.0	Sn	23:59:59.048	0.2									m		21510
PUK	1.74	339.0	Pn	23:59:33.936	0.1									m		21509
PUK	1.74	339.0	AMl	00:00:01.740								0.1	0.58	a	Ml 2.3	11414

DATA_TYPE COMMENT GSE2.1
Event 1605

Official Magnitude:
Ml 2.01

Error ellipse:

	Azim	Dip	Mag
Max:	85	70	0.9300
Intermediate:	349	2	0.4500
Min:	258	20	0.4000

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023542 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1606 0.5 km from Hekal, Tirana, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/19	01:50:54.47		0.41	41.2523	19.9297				12.4	1.6	15	9	130	0.11	1.54	m	
1666																	

Magnitude Err Nsta Author OrigID
Ml 2.5 0.0 5 1666

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.11	0.0	Pg	01:50:58.023	0.0									m		21526
TIR	0.11	333.0	Sg	01:50:59.725	-0.3									m		21511

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
PUK	0.84	1.0	P	11:43:03.178	-1.5					---				m		21528
PUK	0.84	1.0	S	11:43:17.150	0.0					---				m		21527
PUK	0.84	1.0	AMd	11:43:52.219						---		0.0	49.04	a	Md	2.8
PUK	0.84	1.0	AMl	11:43:18.330						---		1.0	0.38	a	Ml	2.7
KBN	0.91	128.0	S	11:43:18.668	0.0					---				m		21530
KBN	0.91	128.0	P	11:43:05.547	0.0					---				m		21529
KBN	0.91	128.0	AMd	11:44:05.849						---		0.0	60.30	a	Md	2.4
KBN	0.91	128.0	AMl	11:43:25.150						---		0.5	0.66	a	Ml	2.4
BCI	1.17	7.0	S	11:43:26.887	0.0					---				m		21532
BCI	1.17	7.0	P	11:43:10.242	-0.0					---				m		21531
BCI	1.17	7.0	AMd	11:44:21.253						---		0.0	71.01	a	Md	2.6
BCI	1.17	7.0	AMl	11:43:33.890						---		1.0	0.36	a	Ml	3.0
NEST	1.20	0.0	P	11:43:09.851	0.0					---				m		21546
NEST	1.20	130.0	S	11:43:27.767	0.0					---				m		21533
NEST	1.20	130.0	AMl	11:43:33.610						---		0.4	0.32	a	Ml	2.6
FNA	1.23	109.0	S	11:43:28.630	0.0					---				m		21535
FNA	1.23	109.0	P	11:43:11.232	-0.0					---				m		21534
FNA	1.23	109.0	AMd	11:44:19.507						---		0.0	68.27	a	Md	2.5
SRN	1.32	175.0	S	11:43:31.857	0.0					---				m		21537
SRN	1.32	175.0	P	11:43:13.089	0.0					---				m		21536
SRN	1.32	175.0	AMd	11:44:30.315						---		0.0	77.23	a	Md	2.6
KEK	1.49	182.0	S	11:43:35.711	0.0					---				m		21539
KEK	1.49	182.0	P	11:43:16.316	1.0					---				m		21538
KEK	1.49	182.0	AMd	11:44:07.514						---		0.0	51.20	a	Md	2.8
SCTE	1.54	224.0	S	11:43:37.186	0.0					---				m		21541
SCTE	1.54	224.0	P	11:43:16.121	-0.0					---				m		21540
SCTE	1.54	224.0	AMd	11:44:07.900						---		0.0	51.78	a	Md	2.9
SCTE	1.54	224.0	AMl	11:43:42.740						---		0.4	0.32	a	Ml	2.8
IGT	1.71	167.0	S	11:43:41.533	0.0					---				m		21543
IGT	1.71	167.0	P	11:43:18.627	0.0					---				m		21542
IGT	1.71	167.0	AMd	11:44:33.499						---		0.0	74.87	a	Md	2.7
LKD2	2.49	165.0	S	11:44:01.610	0.0					---				m		21545
LKD2	2.49	165.0	P	11:43:27.969	-2.1					---				m		21544
LKD2	2.49	165.0	AMl	11:44:02.740						---		0.1	0.42	a	Ml	2.7

DATA_TYPE COMMENT GSE2.1
Event 1607

Official Magnitude:
Ml 2.71

Error ellipse:

	Azim	Dip	Mag
Max:	43	76	0.7000
Intermediate:	269	9	0.3600
Min:	177	10	0.2300

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1570023541 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1608 2.0 km from Stropckë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/19	12:00:49.63		0.01	40.8682	20.6962				0.1	1.2	7	21	267	0.25	1.36	m	

OrigID
1668

Magnitude	Err	Nsta	Author	OrigID
Ml	2.0	0.0	2	1668
Md	2.0	0.0	3	1668

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.25	164.0	S	12:00:59.076	0.0					---				m		21548
KBN	0.25	164.0	P	12:00:55.033	0.0					---				m		21547
KBN	0.25	164.0	AMl	12:01:00.050						---		2.3	0.40	a	Ml	2.3
KBN	0.25	164.0	AMd	12:01:30.054						---		0.0	35.02	a	Md	1.8
NEST	0.53	0.0	P	12:01:00.176	0.0					---				m		21554
NEST	0.53	149.0	S	12:01:09.408	-0.0					---				m		21549
NEST	0.53	149.0	AMl	12:01:08.020						---		0.3	0.26	a	Ml	1.7
FNA	0.53	99.0	S	12:01:09.499	0.0					---				m		21551
FNA	0.53	99.0	P	12:01:00.984	0.0					---				m		21550
FNA	0.53	99.0	AMd	12:01:44.857						---		0.0	43.87	a	Md	2.0
IGT	1.36	192.0	S	12:01:37.422	0.0					---				m		21553
IGT	1.36	192.0	P	12:01:16.935	0.0					---				m		21552
IGT	1.36	192.0	AMd	12:02:11.115						---		0.0	54.18	a	Md	2.3

DATA_TYPE COMMENT GSE2.1
 Event 1608

Official Magnitude:
 Ml 2.03

Error ellipse:

	Azim	Dip	Mag
Max:	316	58	1.4300
Intermediate:	139	31	0.7000
Min:	48	1	0.4000

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1570023541 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1609 2.5 km from Dardhë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/20	05:47:04.83		0.11	40.5160	20.7977				12.4	0.6	9	5	112	0.11	1.67	m	

Magnitude	Err	Nsta	Author	OrigID
M1	2.2	0.0	4	1669

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
KBN	0.11	356.0	Sg	05:47:09.660	0.0					---				m		21556	
KBN	0.11	356.0	Pg	05:47:07.489	-0.1					---				m		21555	
KBN	0.11	356.0	AM1	05:47:10.570						---		8.5	0.18	a	M1	2.7	11439
NEST	0.22	117.0	Sg	05:47:13.771	0.2					---				m		21558	
NEST	0.22	117.0	Pg	05:47:09.778	-0.0					---				m		21557	
NEST	0.22	117.0	AM1	05:47:16.500						---		1.1	0.26	a	M1	2.0	11440
FNA	0.52	59.0	S	05:47:23.278	-0.1					---				m		21560	
FNA	0.52	59.0	P	05:47:15.057	-0.4					---				m		21559	
SRN	0.88	225.0	Sg	05:47:34.897	-1.2					---				m		21562	
SRN	0.88	225.0	P	05:47:22.586	-0.1					---				m		21561	
SRN	0.88	225.0	AM1	05:47:37.100						---		0.1	0.40	a	M1	1.8	11441
PUK	1.67	337.0	Sn	05:48:00.040	0.1					---				m		21564	
PUK	1.67	337.0	Pg	05:47:36.298	-0.0					---				m		21563	
PUK	1.67	337.0	AM1	05:48:03.940						---		0.2	0.90	a	M1	2.5	11442

DATA_TYPE COMMENT GSE2.1
Event 1609

Official Magnitude:
M1 2.22

Error ellipse:

	Azim	Dip	Mag
Max:	74	61	0.7300
Intermediate:	215	23	0.4700
Min:	312	16	0.3500

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023541 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1610 1.0 km from Nikolicë, Korçë, Albania

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

2019/08/20 22:49:13.20 0.36 40.4837 20.8030 6.0 3.8 10 5 116 0.14 1.70 m
1670

Magnitude Err Nsta Author OrigID
Ml 2.3 0.0 3 1670

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.14	356.0	Sg	22:49:18.536	0.4					---				m		21566
KBN	0.14	356.0	P	22:49:16.060	0.0					---				m		21565
KBN	0.14	356.0	AMl	22:49:18.970						---		3.8	0.22	a	Ml 2.4	11443
NEST	0.20	110.0	Sg	22:49:21.181	0.2					---				m		21568
NEST	0.20	110.0	Pg	22:49:18.207	0.6					---				m		21567
NEST	0.20	110.0	AMl	22:49:22.600						---		0.9	0.24	a	Ml 1.9	11444
FNA	0.53	55.0	Sg	22:49:31.708	-0.4					---				m		21570
FNA	0.53	55.0	P	22:49:23.486	-0.5					---				m		21569
SRN	0.86	226.0	Sg	22:49:43.727	-0.0					---				m		21572
SRN	0.86	226.0	P	22:49:30.074	-0.6					---				m		21571
PUK	1.70	337.0	Sg	22:50:10.069	0.1					---				m		21574
PUK	1.70	337.0	P	22:49:46.430	0.8					---				m		21573
PUK	1.70	337.0	AMl	22:50:13.200						---		0.1	0.82	a	Ml 2.3	11445

DATA_TYPE COMMENT GSE2.1
Event 1610

Official Magnitude:
Ml 2.25

Error ellipse:

	Azim	Dip	Mag
Max:	138	82	3.8600
Intermediate:	296	6	0.7200
Min:	26	3	0.6700

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023541 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1613 0.8 km from Vrrin, Kukës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/21	12:24:50.99		0.06	41.9245	20.3300				5.4	1.6	7	6	167	0.35	1.60	m	

1673

Magnitude Err Nsta Author OrigID
Ml 2.7 0.0 3 1673

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
PUK	0.35	291.0	Sg	12:25:03.562	0.0					---				m		21599
PUK	0.35	291.0	Pg	12:24:58.090	-0.1					---				m		21598
PUK	0.35	291.0	AMl	12:25:08.790						---		4.1	0.48	a	Ml	2.7
BCI	0.48	337.0	Sg	12:25:08.174	0.0					---				m		21601
BCI	0.48	337.0	Pg	12:25:00.743	-0.1					---				m		21600
BCI	0.48	337.0	AMl	12:25:13.520						---		2.9	0.38	a	Ml	2.7
KBN	1.34	164.0	Sn	12:25:36.220	0.0					---				m		21603
KBN	1.34	164.0	Pn	12:25:16.892	0.1					---				m		21602
KBN	1.34	164.0	AMl	12:25:44.050						---		0.3	0.70	a	Ml	2.6
FNA	1.39	144.0	Sn	12:25:38.358	-0.1					---				m		21605
FNA	1.39	144.0	Pn	12:25:17.048	-1.1					---				m		21604
NEST	1.60	0.0	P	12:25:19.767	0.0					---				m		21607
NEST	1.60	159.0	S	12:25:44.393	-0.6					---				m		21606

DATA_TYPE COMMENT GSE2.1
Event 1613

Official Magnitude:
Ml 2.66

Error ellipse:

	Azim	Dip	Mag
Max:	263	85	1.6100
Intermediate:	57	4	0.7800
Min:	147	2	0.2700

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023541 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1616 2.1 km from Smollik, Dibër, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2019/08/23	03:00:47.13		0.08	41.4557	20.4358				34.0	1.6	9	21	148	0.71	2.67	m	
1676																	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.3	0.0	2	1676

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
PUK	0.71	0.0	Pg	03:01:00.351	0.0					---				mc		21648
PUK	0.71	326.0	Sg	03:01:12.287	-0.0					---				m		21637
PUK	0.71	326.0	AMl	03:01:15.720						---		0.5	0.16	a	Ml	2.3
KBN	0.87	162.0	Sg	03:01:16.516	0.1					---				m		21639
KBN	0.87	162.0	Pg	03:01:03.922	0.0					---				md		21638

BCI	0.95	344.0	P	03:01:05.653	0.1	---	md_	21640
FNA	0.98	132.0	Sg	03:01:20.563	-0.0	---	m_	21642
FNA	0.98	132.0	Pg	03:01:06.267	0.0	---	md_	21641
NEST	1.14	155.0	Sg	03:01:25.250	0.0	---	m_	21644
NEST	1.14	155.0	Pg	03:01:08.675	-0.2	---	mc_	21643
NEST	1.14	155.0	AMl	03:01:26.950		---	0.2 0.60 a_ Ml 2.3	11468
KEK	1.81	196.0	Pn	03:01:20.442	1.1	---	md_	21645
IGT	1.92	183.0	P	03:01:21.046	0.0	---	mc_	21646
LKD2	2.67	176.0	P	03:01:30.712	-1.3	---	mc_	21647

DATA_TYPE COMMENT GSE2.1
Event 1616

Official Magnitude:
Ml 2.30

Error ellipse:

	Azim	Dip	Mag
Max:	56	63	1.7700
Intermediate:	241	26	1.1100
Min:	150	2	0.3200

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023540 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1619 2.2 km from Kozel, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/25	15:38:47.90		0.02	40.4750	20.7587				10.4	1.8	5	4	263	0.15	0.57	m	1679

Magnitude	Err	Nsta	Author	OrigID
Ml	1.7	0.0	2	1679

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.15	8.0	S	15:38:53.518	0.0					---				m_		21673
KBN	0.15	8.0	P	15:38:51.141	0.0					---				m_		21672
KBN	0.15	8.0	AMl	15:38:55.090						---		1.1	0.24	a_ Ml	1.9	11476
NEST	0.23	0.0	P	15:38:52.768	0.0					---				m_		21677
NEST	0.23	105.0	S	15:38:56.840	0.0					---				m_		21674
NEST	0.23	105.0	AMl	15:38:57.790						---		0.4	0.24	a_ Ml	1.6	11477
FNA	0.57	57.0	S	15:39:07.980	0.0					---				m_		21676
FNA	0.57	57.0	P	15:38:59.343	-0.0					---				m_		21675

DATA_TYPE COMMENT GSE2.1

Event 1619

Official Magnitude:
Ml 1.74

Error ellipse:

	Azim	Dip	Mag
Max:	266	74	1.8800
Intermediate:	46	12	1.1700
Min:	138	10	0.4500

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1570023540 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1620 0.6 km from Sinicë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/27	00:50:26.84		0.05	40.5093	20.8693				14.4	0.8	5	6	128	0.13	1.06	m	
OrigID 1680																	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.6	0.0	2	1680

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
KBN	0.13	332.0	Sg	00:50:32.574	0.0					---				m		21679	
KBN	0.13	332.0	Pg	00:50:28.673	-1.5					---				m		21678	
KBN	0.13	332.0	AMl	00:50:31.340						---		0.8	0.12	a	Ml	1.8	11478
NEST	0.20	0.0	Pg	00:50:30.587	0.0					---				m		21684	
NEST	0.17	124.0	Sg	00:50:34.352	0.0					---				m		21680	
NEST	0.17	124.0	AMl	00:50:34.520						---		0.2	0.18	a	Ml	1.3	11479
FNA	0.48	55.0	Sg	00:50:44.145	0.1					---				m		21682	
FNA	0.48	55.0	Pg	00:50:36.606	-0.1					---				m		21681	
IGT	1.06	204.0	S	00:51:03.052	0.0					---				m		21683	

DATA_TYPE COMMENT GSE2.1
 Event 1620

Official Magnitude:
Ml 1.55

Error ellipse:

	Azim	Dip	Mag
Max:	318	76	0.7800
Intermediate:	75	6	0.4800
Min:	166	12	0.4300

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1570023540 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1623 1.3 km from Nikolicë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/27	14:23:51.99		0.09	40.4748	20.7910				13.0	1.3	7	16	158	0.15	1.01	m	

OrigID
1683

Magnitude	Err	Nsta	Author	OrigID
Ml	2.1	0.0	2	1683
Md	1.9	0.0	4	1683

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
KBN	0.15	359.0	S	14:23:58.039	0.1					---				m		21710	
KBN	0.15	359.0	P	14:23:55.209	-0.2					---				m		21709	
KBN	0.15	359.0	AMl	14:23:59.480						---		2.2	0.32	a	Ml	2.2	11498
KBN	0.15	359.0	AMd	14:24:16.950						---		0.0	21.74	a	Md	1.3	11494
NEST	0.21	106.0	S	14:24:00.504	0.1					---				m		21712	
NEST	0.21	106.0	P	14:23:56.651	-0.2					---				m		21711	
NEST	0.21	106.0	AMl	14:24:00.670						---		1.2	0.24	a	Ml	2.0	11499
NEST	0.21	106.0	AMd	14:24:31.898						---		0.0	35.25	a	Md	2.4	11495
FNA	0.54	55.0	S	14:24:11.493	0.0					---				m		21714	
FNA	0.54	55.0	P	14:24:02.537	-0.6					---				m		21713	
FNA	0.54	55.0	AMd	14:24:38.833						---		0.0	36.30	a	Md	1.8	11496
IGT	1.01	201.0	S	14:24:26.664	0.0					---				m		21716	
IGT	1.01	201.0	P	14:24:11.796	0.0					---				m		21715	
IGT	1.01	201.0	AMd	14:24:54.384						---		0.0	42.59	a	Md	2.0	11497

DATA_TYPE COMMENT GSE2.1
 Event 1623

Official Magnitude:
 Ml 2.13

Error ellipse:

	Azim	Dip	Mag
Max:	25	70	1.3500
Intermediate:	117	0	0.5200
Min:	207	20	0.3100

BEGIN GSE2.1

MSG_TYPE DATA
MSG_ID 1570023540 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1625 1.2 km from Sinicë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/28	02:10:00.62		0.16	40.5040	20.8663				2.5	2.3	10	7	132	0.13	1.72	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.4	0.0	4	1685

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
KBN	0.13	334.0	Sg	02:10:05.286	0.1					---				m		21728	
KBN	0.13	334.0	Pg	02:10:03.175	-0.1					---				m		21727	
KBN	0.13	334.0	AMl	02:10:05.930						---		12.6	0.16	a	Ml	2.8	11501
FNA	0.48	54.0	Sg	02:10:18.395	0.0					---				m		21730	
FNA	0.48	54.0	Pg	02:10:10.701	-0.1					---				m		21729	
SRN	0.91	228.0	Sn	02:10:31.519	-1.8					---				m		21732	
SRN	0.91	228.0	Pn	02:10:17.541	-1.8					---				m		21731	
SRN	0.91	228.0	AMl	02:10:32.600						---		0.3	0.48	a	Ml	2.2	11502
IGT	1.05	204.0	Sn	02:10:37.911	0.4					---				m		21734	
IGT	1.05	204.0	Pn	02:10:20.760	-1.0					---				m		21733	
IGT	1.05	204.0	AMl	02:10:44.540						---		0.3	0.38	a	Ml	2.2	11503
KEK	1.14	227.0	Sn	02:10:40.114	-0.2					---				m		21736	
KEK	1.14	227.0	Pn	02:10:23.379	0.1					---				m		21735	
LKD2	1.72	186.0	Sn	02:10:58.832	-0.0					---				m		21738	
LKD2	1.72	186.0	Pn	02:10:33.744	-0.2					---				m		21737	
LKD2	1.72	186.0	AMl	02:11:04.090						---		0.2	0.74	a	Ml	2.6	11504

DATA_TYPE COMMENT GSE2.1
Event 1625

Official Magnitude:
Ml 2.43

Error ellipse:

	Azim	Dip	Mag
Max:	318	66	2.5100
Intermediate:	101	18	0.5100
Min:	196	13	0.3000

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023540 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1627 0.9 km from Ballashen-Pojanë, Tirana, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/28	11:55:06.67		0.09	41.2018	19.7157				43.2	1.4	10	9	147	0.76	1.73	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	3.0	0.0	3	1687

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
TIR	0.18	0.0	Sg	11:55:15.161	0.0									m		21777	
VLO	0.75	193.0	Sg	11:55:34.434	2.0									m		21765	
VLO	0.75	193.0	Pg	11:55:21.341	-0.1									mc		21764	
VLO	0.75	193.0	AMl	11:55:37.930								2.9	0.36	a	Ml	3.1	11510
PUK	0.85	8.0	Sn	11:55:36.194	0.1									m		21767	
PUK	0.85	8.0	Pn	11:55:22.698	-0.8									mc		21766	
PUK	0.85	8.0	AMl	11:55:39.100								0.8	0.40	a	Ml	2.6	11511
FNA	1.33	107.0	Sn	11:55:49.564	-0.0									m		21769	
FNA	1.33	107.0	Pn	11:55:31.086	-0.1									mc		21768	
SRN	1.34	170.0	Sn	11:55:50.502	0.1									m		21771	
SRN	1.34	170.0	Pn	11:55:31.811	0.1									mc		21770	
SCTE	1.47	221.0	Sn	11:55:53.152	-0.1									m		21773	
SCTE	1.47	221.0	Pn	11:55:33.264	0.0									mc		21772	
SCTE	1.47	221.0	AMl	11:55:55.670								0.7	0.40	a	Ml	3.0	11512
KEK	1.49	177.0	Pn	11:55:35.406	1.9									mc		21774	
IGT	1.73	164.0	Sn	11:56:00.092	0.1									m		21776	
IGT	1.73	164.0	Pn	11:55:36.992	-0.1									mc		21775	

DATA_TYPE COMMENT GSE2.1
Event 1627

Official Magnitude:
Ml 2.99

Error ellipse:

	Azim	Dip	Mag
Max:	52	76	1.4800
Intermediate:	291	6	0.5000
Min:	200	12	0.3700

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023540 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1628 3.3 km from Duricaj, Dibër, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/30	03:23:16.77		0.33	41.4705	20.2603				10.4	2.9	11	9	137	0.32	1.60	m	

Magnitude	Err	Nsta	Author	OrigID
M1	2.0	0.0	3	1688

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
TIR	0.32	0.0	Pg	03:23:23.472	0.0											21789	
TIR	0.32	248.0	Sg	03:23:28.716	-0.0											21778	
TIR	0.32	248.0	AMl	03:23:28.850								0.9	0.16	a__	M1	2.0	11513
PUK	0.63	335.0	Sg	03:23:39.213	0.3											21780	
PUK	0.63	335.0	Pg	03:23:28.658	-0.8											21779	
PUK	0.63	335.0	AMl	03:23:40.780								0.4	0.18	a__	M1	2.1	11514
BCI	0.91	351.0	Sg	03:23:48.350	0.3											21782	
BCI	0.91	351.0	Pg	03:23:34.268	-0.4											21781	
BCI	0.91	351.0	AMl	03:23:48.440								0.2	0.58	a__	M1	2.0	11515
KBN	0.94	154.0	Sg	03:23:49.340	1.0											21784	
KBN	0.94	154.0	Pg	03:23:35.108	0.3											21783	
FNA	1.09	128.0	Sg	03:23:54.550	0.2											21786	
FNA	1.09	128.0	Pg	03:23:37.837	-0.4											21785	
SRN	1.60	188.0	Sg	03:24:10.758	-0.0											21788	
SRN	1.60	188.0	Pg	03:23:48.651	1.0											21787	

DATA_TYPE COMMENT GSE2.1
Event 1628

Official Magnitude:
M1 2.03

Error ellipse:

	Azim	Dip	Mag
Max:	296	74	3.0500
Intermediate:	66	9	0.7900
Min:	158	12	0.4700

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023540 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1630 2.5 km from Nikolicë, Korçë, Albania

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

2019/08/30 20:23:28.18 0.05 40.4728 20.7770 13.3 2.6 8 5 145 0.15 1.00 m
1691

Magnitude Err Nsta Author OrigID
Ml 1.8 0.0 2 1691

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.15	3.0	Sg	20:23:34.296	0.1					___				m__		21815
KBN	0.15	3.0	Pg	20:23:31.526	-0.1					___				mc__		21814
KBN	0.15	3.0	AMl	20:23:35.660						___		2.5	0.20	a__ Ml	2.3	11520
FNA	0.55	56.0	Sn	20:23:48.000	0.0					___				m__		21817
FNA	0.55	56.0	Pn	20:23:39.506	0.0					___				m__		21816
SRN	0.84	226.0	Sn	20:23:58.039	0.1					___				m__		21819
SRN	0.84	226.0	Pn	20:23:45.155	-0.1					___				mce		21818
IGT	1.00	201.0	Sn	20:24:02.597	-0.0					___				m__		21821
IGT	1.00	201.0	Pn	20:23:47.882	0.0					___				m__		21820
IGT	1.00	201.0	AMl	20:24:07.370						___		0.0	0.32	a__ Ml	1.3	11521

DATA_TYPE COMMENT GSE2.1
Event 1630

Official Magnitude:
Ml 1.78

Error ellipse:

	Azim	Dip	Mag
Max:	335	59	3.0400
Intermediate:	115	24	0.6500
Min:	213	18	0.2400

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023540 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1631 3.8 km from Këlcyrë, Kukës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/31	00:20:12.61		0.09	42.3813	19.9965				26.2	0.5	6	5	270	0.35	2.71	m	

1692

Magnitude Err Nsta Author OrigID
Ml 1.7 0.0 2 1692

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
BCI	0.05	105.0	Sg	00:20:16.162	-4.5					___				m__		21823
BCI	0.05	105.0	Pg	00:20:12.230	-5.0					___				m__		21822

BCI	0.05	105.0	AMl	00:20:16.180	---	1.3	0.12	a	Ml	2.1	11522
PUK	0.35	193.0	Sg	00:20:26.661	0.1	---	---	m	---	---	21825
PUK	0.35	193.0	Pg	00:20:20.386	-0.2	---	---	m	---	---	21824
PUK	0.35	193.0	AMl	00:20:31.840	---	0.2	0.16	a	Ml	1.3	11523
FNA	1.91	146.0	Sn	00:21:12.658	-0.0	---	---	m	---	---	21827
FNA	1.91	146.0	Pn	00:20:46.990	0.1	---	---	m	---	---	21826
NOCI	2.71	236.0	S	00:21:33.420	-0.1	---	---	m	---	---	21829
NOCI	2.71	236.0	P	00:20:58.887	0.1	---	---	m	---	---	21828

DATA_TYPE COMMENT GSE2.1
Event 1631

Official Magnitude:
Ml 1.73

Error ellipse:

	Azim	Dip	Mag
Max:	190	15	1.6500
Intermediate:	80	49	0.7000
Min:	291	37	0.6100

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

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023548 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1525 3.2 km from Galičnik, Mavrovo and Rostuša, North Macedonia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/06	03:06:24.78		0.17	41.6222	20.6458				26.8	0.9	10	10	175	0.16	2.10	m	

Magnitude	Err	Nsta	Author	OrigID
M1	2.5	0.0	4	1585

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
PHP	0.17	0.0	Pg	03:06:30.668	0.0					---				md_		20707	
PHP	0.17	293.0	Sg	03:06:34.226	0.0					---				m_		20695	
PHP	0.17	293.0	AM1	03:06:34.660						---		6.0	0.26	a_	M1	2.8	11092
PUK	0.70	307.0	Sg	03:06:49.226	-0.0					---				m_		20697	
PUK	0.70	307.0	Pg	03:06:38.460	-0.3					---				md_		20696	
PUK	0.70	307.0	AM1	03:06:53.500						---		0.8	0.26	a_	M1	2.5	11093
BCI	0.86	331.0	Sg	03:06:54.153	0.0					---				m_		20699	
BCI	0.86	331.0	Pg	03:06:42.011	0.5					---				mc_		20698	
BCI	0.86	331.0	AM1	03:06:58.790						---		0.5	0.68	a_	M1	2.4	11094
KBN	1.00	173.0	Sn	03:06:58.029	0.1					---				m_		20701	
KBN	1.00	173.0	Pn	03:06:44.726	1.0					---				mc_		20700	
FNA	1.01	146.0	Sn	03:06:58.699	-0.2					---				m_		20703	
FNA	1.01	146.0	Pn	03:06:44.944	0.7					---				md_		20702	
NEST	1.24	165.0	Sn	03:07:06.114	-0.1					---				m_		20705	
NEST	1.24	165.0	Pn	03:06:48.665	0.2					---				mc_		20704	
NEST	1.24	165.0	AM1	03:07:08.340						---		0.3	0.38	a_	M1	2.4	11095
IGT	2.10	187.0	Pn	03:07:01.942	0.0					---				md_		20706	

DATA_TYPE COMMENT GSE2.1
Event 1525

Official Magnitude:
M1 2.47

Error ellipse:

	Azim	Dip	Mag
Max:	242	14	1.5000
Intermediate:	32	73	0.9400
Min:	150	8	0.3000

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023543 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1586 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/06	03:06:24.78		0.17	41.6222	20.6458				26.8	0.9	10	10	175	0.16	2.10	m	

2019/08/14 13:54:18.16 0.34 39.3012 19.8573 72.5 2.0 16 11 175 0.41 3.97 m
1646

Magnitude Err Nsta Author OrigID
Ml 4.5 0.0 5 1646
Md 3.4 0.0 11 1646

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KEK	0.41	354.0	Sg	13:54:40.945	-0.2									m		21340
KEK	0.41	354.0	Pg	13:54:32.709	1.4									m		21339
KEK	0.41	354.0	AMd	13:55:42.378								0.0	69.67	a	Md	11351
SRN	0.59	10.0	Sg	13:54:41.461	-3.4									m		21342
SRN	0.59	10.0	Pg	13:54:33.285	-0.2									m		21341
SRN	0.59	10.0	AMl	13:54:43.450								61.9	0.52	a	Ml	11362
SRN	0.59	10.0	AMd	13:55:21.779								0.0	48.49	a	Md	11352
LKD2	0.81	129.0	Sg	13:54:48.661	-0.1									m		21344
LKD2	0.81	129.0	Pg	13:54:36.009	0.3									m		21343
LKD2	0.81	129.0	AMd	13:56:09.302								0.0	93.29	a	Md	11353
VLO	1.20	347.0	Sg	13:54:59.121	2.3									m		21346
VLO	1.20	347.0	Pg	13:54:40.505	0.3									m		21345
VLO	1.20	347.0	AMl	13:55:09.100								32.1	0.42	a	Ml	11363
VLO	1.20	347.0	AMd	13:56:20.311								0.0	99.81	a	Md	11354
SCTE	1.32	307.0	Sg	13:55:01.045	-0.0									m		21348
SCTE	1.32	307.0	Pg	13:54:42.976	0.3									m		21347
SCTE	1.32	307.0	AMl	13:55:12.840								32.1	0.46	a	Ml	11364
SCTE	1.32	307.0	AMd	13:56:20.311								0.0	97.34	a	Md	11355
NEST	1.44	39.0	Sn	13:55:04.123	0.1									m		21350
NEST	1.44	39.0	Pn	13:54:44.585	0.2									m		21349
NEST	1.44	39.0	AMl	13:55:12.290								13.9	1.10	a	Ml	11365
NEST	1.44	39.0	AMd	13:56:13.581								0.0	89.00	a	Md	11356
KBN	1.50	28.0	Sn	13:55:03.056	-1.7									m		21352
KBN	1.50	28.0	Pn	13:54:45.131	0.4									m		21351
KBN	1.50	28.0	AMl	13:55:22.060								16.8	0.84	a	Ml	11366
KBN	1.50	28.0	AMd	13:56:17.456								0.0	92.33	a	Md	11357
FNA	1.89	37.0	Pn	13:54:50.761	-0.0									m		21353
FNA	1.89	37.0	AMd	13:56:22.559								0.0	91.80	a	Md	11358
THE	2.73	59.0	Pn	13:55:02.396	-0.7									m		21354
THE	2.73	59.0	AMd	13:56:29.488								0.0	87.09	a	Md	11359
MRVN	3.31	304.0	Pn	13:55:11.646	0.1									m		21355
MRVN	3.31	304.0	AMd	13:57:29.244								0.0	137.60	a	Md	11360
SGRT	3.97	310.0	Pn	13:55:20.637	-0.6									m		21356
SGRT	3.97	310.0	AMd	13:57:39.237								0.0	138.60	a	Md	11361

DATA_TYPE COMMENT GSE2.1
Event 1586

Official Magnitude:
Ml 4.47

Error ellipse:

	Azim	Dip	Mag
Max:	158	83	1.9600
Intermediate:	26	4	1.3100
Min:	296	5	0.8300

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023542 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1597 2.4 km from Lista, Epirus, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/15	13:01:09.41		0.03	39.7375	20.4895				0.8	1.1	8	13	140	0.40	1.25	m	
OrigID 1657																	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.3	0.0	4	1657
Md	2.2	0.0	4	1657

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
SRN	0.40	291.0	S	13:01:25.506	-0.0									m		21424
SRN	0.40	291.0	P	13:01:15.382	-3.2									m		21423
SRN	0.40	291.0	AMl	13:01:25.250								1.3	0.42	a	Ml	2.2
SRN	0.40	291.0	AMd	13:01:50.506								0.0	35.12	a	Md	1.8
KEK	0.54	268.0	S	13:01:29.286	-0.0									m		21426
KEK	0.54	268.0	P	13:01:20.842	0.1									m		21425
KEK	0.54	268.0	AMl	13:01:31.490								4968.0	0.34	a	Ml	6.0
KEK	0.54	268.0	AMd	13:01:54.969								0.0	34.13	a	Md	2.4
NEST	0.80	0.0	P	13:01:24.166	0.0									m		21432
NEST	0.80	32.0	S	13:01:38.213	0.0									m		21427
NEST	0.80	32.0	AMl	13:01:43.140								0.4	0.48	a	Ml	2.2
LKD2	0.96	172.0	S	13:01:43.391	-0.0									m		21429
LKD2	0.96	172.0	P	13:01:28.788	-0.0									m		21428
LKD2	0.96	172.0	AMl	13:01:47.640								0.5	0.28	a	Ml	2.5
LKD2	0.96	172.0	AMd	13:02:15.724								0.0	46.94	a	Md	2.1
FNA	1.25	32.0	S	13:01:53.123	-0.0									m		21431
FNA	1.25	32.0	P	13:01:34.351	-0.0									m		21430
FNA	1.25	32.0	AMd	13:02:29.117								0.0	54.77	a	Md	2.3

DATA_TYPE COMMENT GSE2.1
Event 1597

Official Magnitude:
Ml 2.34

Error ellipse:

	Azim	Dip	Mag
Max:	149	85	1.1100
Intermediate:	311	4	0.3400
Min:	41	2	0.2700

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023541 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1615 21 km from Antã-paxos, Ionian Islands, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/22	07:17:03.25		0.18	39.0150	20.3890				46.8	0.9	12	8	170	0.31	1.92	m	
OrigID 1675																	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.8	0.0	2	1675
Md	2.7	0.0	7	1675

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
LKD2	0.31	137.0	Sg	07:17:19.677	-0.2									m		21625	
LKD2	0.31	137.0	Pg	07:17:12.889	0.1									m		21624	
LKD2	0.31	137.0	AMd	07:18:04.253								0.0	51.36	a	Md	2.2	11458
IGT	0.52	355.0	Sg	07:17:24.448	-0.0									m		21627	
IGT	0.52	355.0	Pg	07:17:15.393	0.0									m		21626	
IGT	0.52	355.0	AMd	07:18:12.346								0.0	56.95	a	Md	2.3	11459
KEK	0.83	327.0	Pn	07:17:20.234	0.2									m		21628	
KEK	0.83	327.0	AMd	07:18:33.532								0.0	73.30	a	Md	3.2	11460
SRN	0.91	341.0	Sn	07:17:36.333	0.9									m		21630	
SRN	0.91	341.0	Pn	07:17:21.705	0.0									m		21629	
SRN	0.91	341.0	AMd	07:18:33.241								0.0	71.54	a	Md	2.6	11461
NEST	1.49	19.0	Sn	07:17:49.399	-0.5									m		21632	
NEST	1.49	19.0	Pn	07:17:30.095	0.2									m		21631	
NEST	1.49	19.0	AM1	07:17:53.640								0.3	0.48	a	Ml	2.6	11465
NEST	1.49	19.0	AMd	07:18:46.050								0.0	75.96	a	Md	3.2	11462
SCTE	1.82	307.0	Sn	07:17:58.304	-0.3									m		21634	
SCTE	1.82	307.0	Pn	07:17:34.846	-0.0									m		21633	
SCTE	1.82	307.0	AM1	07:18:01.380								0.4	0.18	a	Ml	3.0	11466
SCTE	1.82	307.0	AMd	07:19:10.994								0.0	96.15	a	Md	3.5	11463
FNA	1.92	23.0	Sn	07:18:00.863	-0.3									m		21636	
FNA	1.92	23.0	Pn	07:17:36.597	0.3									m		21635	
FNA	1.92	23.0	AMd	07:18:57.062								0.0	80.46	a	Md	2.7	11464

DATA_TYPE COMMENT GSE2.1
Event 1615

Official Magnitude:
Ml 2.79

Error ellipse:

	Azim	Dip	Mag
Max:	171	53	1.1000
Intermediate:	68	10	0.9100
Min:	331	35	0.5200

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1570023540 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1618 2.4 km from Palampã's, Epirus, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/25	02:00:22.56		0.22	39.7107	20.2948				21.4	1.7	10	7	136	0.18	2.35	m	1678

Magnitude	Err	Nsta	Author	OrigID
Ml	2.2	0.0	4	1678

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
IGT	0.18	171.0	Sg	02:00:31.253	0.3					---				m		21662	
IGT	0.18	171.0	Pg	02:00:27.061	-0.3					---				m		21661	
IGT	0.18	171.0	AMl	02:00:33.330						---		3.3	0.32	a	Ml	2.5	11472
SRN	0.28	307.0	Sg	02:00:34.949	0.2					---				m		21664	
SRN	0.28	307.0	Pg	02:00:29.266	-0.2					---				m		21663	
KEK	0.38	271.0	Pg	02:00:34.422	3.5					---				m		21665	
KEK	0.38	271.0	AMl	02:00:42.060						---		5867.0	0.22	a	Ml	5.9	11473
NEST	0.91	39.0	Sg	02:00:53.662	0.1					---				m		21667	
NEST	0.91	39.0	Pg	02:00:40.076	-0.2					---				m		21666	
NEST	0.91	39.0	AMl	02:00:57.010						---		0.2	0.50	a	Ml	1.9	11474
KBN	0.99	22.0	Sg	02:00:55.183	0.1					---				m		21669	
KBN	0.99	22.0	Pg	02:00:41.796	0.7					---				m		21668	
KBN	0.99	22.0	AMl	02:01:01.030						---		0.1	0.66	a	Ml	1.9	11475
PUK	2.35	353.0	Sn	02:01:34.655	0.1					---				m		21671	
PUK	2.35	353.0	Pn	02:01:03.459	-0.2					---				m		21670	

DATA_TYPE COMMENT GSE2.1
 Event 1618

Official Magnitude:
Ml 2.23

Error ellipse:

	Azim	Dip	Mag
Max:	144	82	1.6700
Intermediate:	268	4	0.7200
Min:	358	7	0.4800

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1570023540 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 1624 6 km from PapoutsÅ-ras, Ionian Islands, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/08/27	23:27:43.11		0.47	39.3710	20.1825				41.3	1.4	8	6	172	0.20	1.68	m	
1684																	

Magnitude	Err	Nsta	Author	OrigID
M1	2.4	0.0	1	1684

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
IGT	0.20	35.0	Sg	23:27:56.855	0.1									m		21718
IGT	0.20	35.0	Pg	23:27:50.695	-0.2									m		21717
IGT	0.20	35.0	AML	23:28:00.290								1.5	0.24	a	M1	2.4
KEK	0.45	319.0	Sg	23:28:01.859	-0.3									m		21720
KEK	0.45	319.0	Pg	23:27:54.694	0.7									m		21719
SRN	0.53	345.0	Sg	23:28:02.299	-2.4									m		21722
SRN	0.53	345.0	Pg	23:27:53.654	-1.8									m		21721
LKD2	0.69	147.0	Sn	23:28:08.885	0.6									m		21724
LKD2	0.69	147.0	Pn	23:27:56.703	-0.8									m		21723
FNA	1.68	32.0	S	23:28:35.535	0.2									m		21726
FNA	1.68	32.0	Pn	23:28:12.654	-0.3									m		21725

DATA_TYPE COMMENT GSE2.1
Event 1624

Official Magnitude:
M1 2.42

Error ellipse:

	Azim	Dip	Mag
Max:	249	35	2.3500
Intermediate:	54	53	1.5600
Min:	154	7	1.1000

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

STAT SP IPHASW D HRMM SECON

PUK,HHZ,,Pg,2019-08-12 15:42:15.2411

PUK,HHN,,Sg,2019-08-12 15:42:20.0841

STAT SP IPHASW D HRMM SECON

PUK,HHZ,,Pg,2019-08-12 15:47:33.0687

BCI,HHZ,,Pg,2019-08-12 15:47:36.6870

STAT SP IPHASW D HRMM SECON

PUK,HHZ,,Pg,2019-08-12 16:03:28.7196

PUK,HHN,,Sg,2019-08-12 16:03:32.979

STAT SP IPHASW D HRMM SECON

PUK,HHZ,,Pg,2019-08-12 16:17:48.4824

PHP,HHZ,,Pg,2019-08-12 16:17:49.1062

STAT SP IPHASW D HRMM SECON

PUK,HHZ, ,Pg,2019-08-12 16:27:37.2836
PHP,HHZ, ,Pg,2019-08-12 16:27:37.6125

STAT SP IPHASW D HRMM SECON

PUK,HHZ, ,Pg,2019-08-12 18:13:20.5657
PHP,HHZ, ,Pg,2019-08-12 18:13:21.1345

STAT SP IPHASW D HRMM SECON

KBN,HHZ, ,Pg,2019-08-30 23:56:49.1149
KBN,HHN, ,Sg,2019-08-30 23:56:51.0935
FNA,HHZ, ,Pg,2019-08-30 23:56:57.3272
FNA,HHN, ,Sg,2019-08-30 23:57:05.2350

STAT SP IPHASW D HRMM SECON

KBN,HHZ, ,Pg,2019-08-31 05:47:00.1408
KBN,HHN, ,Sg,2019-08-31 05:47:03.0977
FNA,HHZ, ,Pg,2019-08-31 05:47:08.3227
FNA,HHN, ,Sg,2019-08-31 05:47:16.4139

Katalogu i termeteve **(Catalog of earthquakes)**

Date time.Origin time	Rms	Lat	Long	Mag	Depth	D. err	N. st	N. ph	Gap
2019-08-01 00:09:11	0.01	40.524	20.799	1.3	9	2.7	5	4	236
2019-08-01 02:09:27	0.27	40.491	20.829	2.7	5.1	1	22	13	109
2019-08-01 02:59:12	0.31	40.513	20.797	2.1	10	1.1	22	15	112
2019-08-01 03:20:22	0.34	40.505	20.802	3	7.4	1.4	22	18	96
2019-08-01 03:38:17	0.11	40.511	20.837	1.7	3.6	0.8	8	7	140
2019-08-01 03:40:28	0.16	40.505	20.851	1.8	2.5	1	22	7	135
2019-08-01 04:06:52	0.08	40.515	20.838	1.7	11.3	1.9	22	5	220
2019-08-01 04:15:00	0.03	40.524	20.816	1.7	9.5	2.3	4	5	227
2019-08-01 04:37:47	0.01	40.495	20.822	1.4	12.4	1.7	8	4	235
2019-08-01 06:03:18	0.01	40.507	20.773	1.5	17.7	1.1	3	5	252
2019-08-01 06:38:15	0.01	40.504	20.768	1.2	13.9	0.8	6	6	255
2019-08-01 06:57:27	0.04	40.544	20.802	1.8	16.1	0.6	5	10	129
2019-08-01 07:08:53	0.02	40.533	20.777	1.8	12.8	1.3	7	6	245
2019-08-01 07:19:29	0.05	40.526	20.801	1.7	14.5	1.5	8	5	235
2019-08-01 07:28:36	0.01	40.478	20.762	0.9	17.8	1	6	6	261
2019-08-01 07:43:10	0.27	40.545	20.845	1.6	2.8	1.5	6	7	129

2019-08-01 07:53:52	0.02	40.484	20.710	1.4	25.2	0.9	6	6	278
2019-08-01 07:56:46	0.01	40.528	20.799	1.1	14.3	1.1	6	6	235
2019-08-01 08:39:09	0.01	40.521	20.748	1.2	18	0.9	7	6	262
2019-08-01 11:09:33	0.04	40.513	20.810	1.4	9.3	1.9	3	6	234
2019-08-01 11:45:34	0.05	40.544	20.885	2.5	1	0.8	8	10	100
2019-08-01 12:05:12	0.03	40.529	20.816	2.8	12.4	0.8	6	9	146
2019-08-01 13:31:14	0.21	40.518	20.821	1.8	12.9	2.9	23	5	227
2019-08-01 16:14:08	0.32	40.505	20.843	2.6	4.4	1.2	21	11	110
2019-08-01 20:34:17	0.02	40.516	20.802	1.3	12.3	1.4	7	5	237
2019-08-01 22:36:45	0.02	40.510	20.790	1	10.9	1.5	3	5	245
2019-08-02 16:02:01	0.01	39.158	20.550	2.1	1	0.9	7	10	163
2019-08-02 17:39:50	0.07	40.438	20.741	1.3	18.4	1.1	6	7	170
2019-08-02 19:49:08	0.01	40.516	20.772	1.5	15.6	1	6	6	251
2019-08-03 00:35:24	0.12	40.475	20.772	1.4	13.9	1.2	22	7	164
2019-08-03 01:51:23	0.13	40.482	20.754	1.1	9.1	3	7	6	170
2019-08-03 07:05:36	0.05	40.535	20.813	1.8	13.2	1.3	6	6	225
2019-08-03 16:18:07	0.47	40.080	19.895	2.9	11.9	2.2	16	14	89
2019-08-03 16:42:52	0.09	41.699	20.386	2.4	12.3	0.5	5	6	174
2019-08-04 02:32:27	0.54	40.511	20.814	2.3	4.3	1.7	22	15	111

2019-08-04 07:53:34	0.05	40.523	20.787	1.8	17	1.1	9	6	242
2019-08-04 09:28:56	0.01	40.509	20.829	1.5	8.8	2.7	21	5	226
2019-08-04 10:24:46	0.07	40.553	20.853	1.5	12	0.8	23	7	123
2019-08-04 11:24:29	0.04	40.513	20.814	1.9	8.4	2.4	4	5	232
2019-08-04 13:38:15	0.04	40.510	20.817	1.3	12.6	1.4	5	6	231
2019-08-04 14:40:38	0.01	40.512	20.770	1.6	13.8	1.2	5	5	252
2019-08-04 15:23:49	0.35	41.464	19.867	2.8	5.7	1.2	23	16	115
2019-08-05 02:34:38	0.06	40.525	20.857	1.9	5	0.7	6	7	206
2019-08-05 10:53:00	0.27	41.723	20.196	2	12.6	1.9	8	9	148
2019-08-05 19:20:12	0.31	40.513	20.813	2.2	12.8	1	22	13	111
2019-08-05 23:49:15	0.11	40.482	20.816	2.1	10.6	0.9	8	8	227
2019-08-06 02:06:53	0.43	40.514	20.800	2.7	10.3	1.3	18	17	95
2019-08-06 03:06:24	0.17	41.622	20.646	2.5	26.8	0.9	10	10	175
2019-08-06 03:58:35	0.18	40.516	20.870	2.7	5.3	0.7	8	12	103
2019-08-06 04:06:24	0.07	41.503	20.412	2.3	17.9	0.7	10	7	170
2019-08-06 04:32:48	0.19	40.498	20.850	2.7	3.5	0.7	9	12	109
2019-08-06 05:12:17	0.03	40.490	20.827	1.6	13.1	1.4	9	6	235
2019-08-06 06:11:32	0.11	40.536	20.880	2.4	1	0.8	5	9	95
2019-08-06 06:24:23	0.03	40.515	20.804	2.2	13.6	1.3	5	6	236

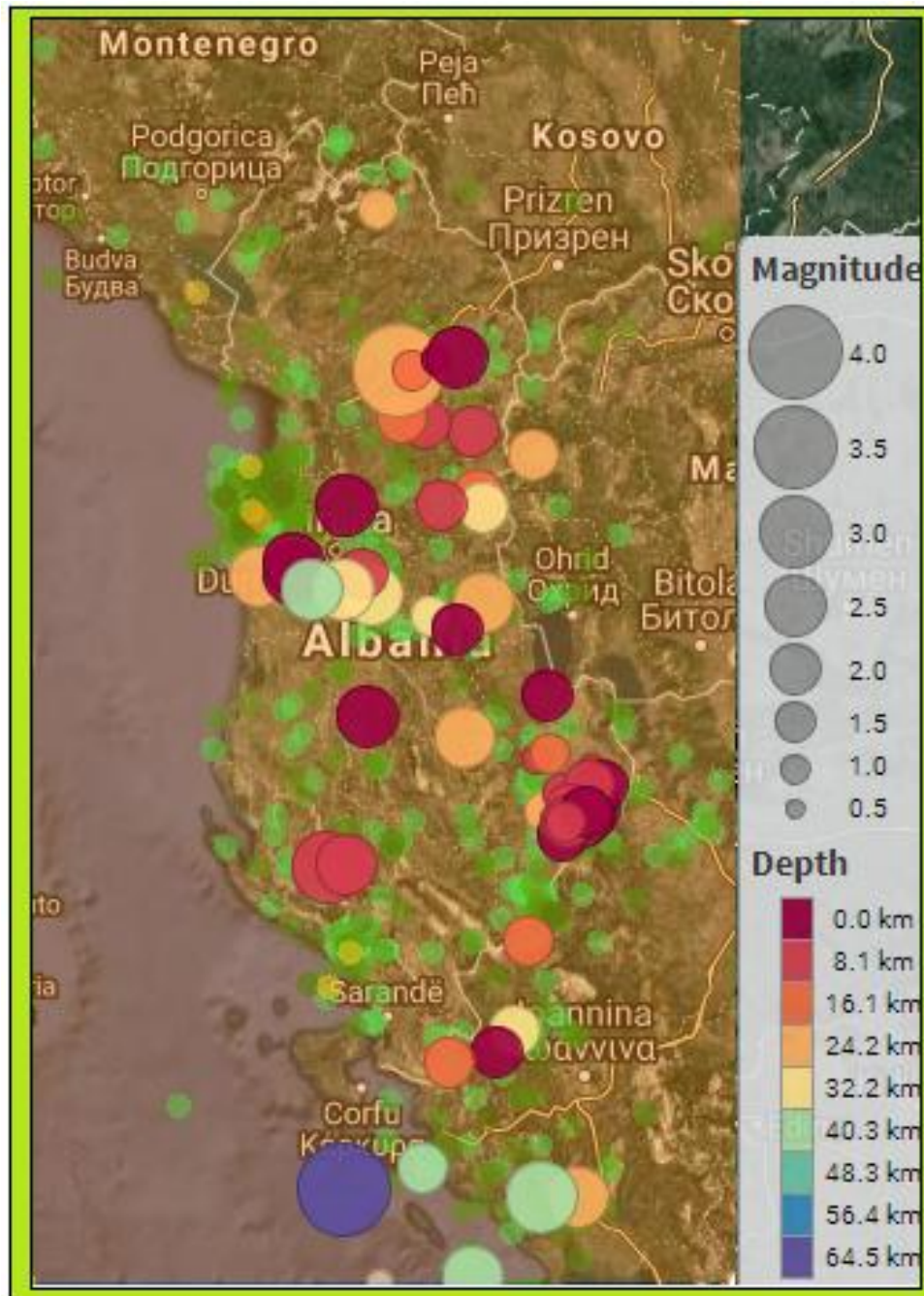
2019-08-06 06:45:24	0.01	40.486	20.837	2.5	4.8	1.3	5	5	232
2019-08-06 09:10:00	0.06	40.502	20.843	2.7	10.4	1.3	5	7	114
2019-08-06 14:16:01	0.03	40.544	20.792	1.9	13.8	0.5	17	8	225
2019-08-06 14:56:49	0.08	40.487	20.819	2.2	9.6	0.6	22	9	115
2019-08-06 15:27:06	0.19	40.505	20.780	2.3	14.9	1	22	10	124
2019-08-06 17:50:22	0.12	40.475	20.791	2	18.5	0.7	22	8	122
2019-08-06 18:00:24	0.45	41.189	19.976	2.7	35.6	1.4	22	20	129
2019-08-06 18:37:10	0.01	40.492	20.839	1.8	8	2.8	8	4	229
2019-08-06 20:15:41	0.06	40.496	20.869	1.4	4.1	2.2	3	5	215
2019-08-06 20:19:17	0.07	40.516	20.866	1.2	8.6	3	3	5	207
2019-08-07 02:46:11	0.03	40.500	20.838	0.7	8.2	2.7	6	6	226
2019-08-07 06:58:45	0.05	40.675	20.654	1.2	14.1	0.7	6	6	308
2019-08-07 10:41:32	0.03	40.516	20.799	1.2	8.8	2	7	6	239
2019-08-07 13:03:57	0.01	40.487	20.830	1.4	10.6	1.5	6	5	234
2019-08-07 13:12:59	0.19	40.475	20.782	3	17.7	0.9	22	10	123
2019-08-07 13:26:35	0.03	40.492	20.837	2.3	8.6	2.5	6	6	229
2019-08-07 17:39:24	0.14	40.460	20.801	2	15.5	1.5	22	7	130
2019-08-07 21:32:11	0.08	40.510	20.825	1.7	10.5	2	5	5	227
2019-08-07 21:41:28	0.01	40.516	20.773	1.5	15.2	1.2	3	4	250

2019-08-07 22:54:13	0.03	40.511	20.815	1.5	10	1.9	7	5	232
2019-08-08 01:42:31	0.05	40.501	20.814	1.7	2	3.2	5	6	236
2019-08-08 02:08:04	0.05	40.504	20.784	1.8	15	1.4	7	6	136
2019-08-08 21:22:45	0.55	40.804	19.951	2.7	1	2.6	10	16	103
2019-08-09 15:07:59	0.08	39.273	20.833	3	30.7	1.3	8	9	181
2019-08-09 18:14:38	0.05	40.515	20.880	1.2	9	2.5	8	6	200
2019-08-09 20:05:36	0.05	41.738	20.097	2	19.4	0.6	12	8	183
2019-08-10 05:31:25	0.19	39.274	20.680	3.2	41.1	1.8	17	11	164
2019-08-10 07:53:08	0.34	40.326	19.790	3.2	14.9	1.1	12	21	78
2019-08-10 09:30:49	0.01	40.504	20.806	2.3	10.6	1.6	6	6	239
2019-08-10 14:08:42	0.02	40.507	20.692	1.5	29	1	8	5	283
2019-08-10 23:04:52	0.04	40.568	20.762	1.8	14.8	0.9	5	6	255
2019-08-11 12:08:17	0.07	41.919	20.176	2.2	18.4	1.1	5	6	161
2019-08-12 12:38:42	0.3	39.811	20.568	2.4	36.7	1	22	14	144
2019-08-12 15:37:07	0.5	41.889	20.087	4.2	26.3	1.6	22	19	128
2019-08-12 19:30:09	0.08	41.118	20.220	1.5	36.2	2.5	8	8	208
2019-08-13 00:26:55	0.09	41.160	20.431	2.6	29.3	1	14	16	137
2019-08-13 01:37:34	0.21	41.081	20.323	2.1	4.6	3.5	5	7	198
2019-08-13 14:41:29	0.06	41.885	20.143	1.7	17.3	1	8	6	172

2019-08-13 15:32:34	0.05	41.916	20.233	1.2	7	11.6	8	5	160
2019-08-13 22:17:34	0.13	40.093	20.618	2.2	19.1	1.2	21	10	202
2019-08-13 23:08:57	0.14	40.448	20.804	1.8	13	0.8	7	9	128
2019-08-14 00:51:32	0.34	40.741	20.354	2.9	29.1	1	21	18	83
2019-08-14 04:33:30	0.03	40.512	20.871	1.4	16.5	1.3	6	6	206
2019-08-14 06:34:20	0.1	41.241	19.504	2.6	27.1	1.5	14	11	208
2019-08-14 06:36:21	0.02	41.256	19.646	2.6	1	0.8	10	11	198
2019-08-14 06:55:43	0.18	41.283	19.640	2.9	1	1.1	12	10	201
2019-08-14 13:09:39	0.04	37.877	21.740	3.1	1	0.9	15	7	179
2019-08-14 13:54:18	0.34	39.301	19.857	4.5	72.5	2	11	16	175
2019-08-14 15:34:59	0.11	40.495	20.799	1.6	9.7	1.9	5	6	130
2019-08-15 02:02:02	0	40.495	20.822	1.7	11.2	2.6	3	4	235
2019-08-15 02:26:53	0.07	40.476	20.803	1.9	12.5	1.6	3	5	248
2019-08-15 02:37:03	0.01	40.637	20.888	1	10.1	3.3	3	4	167
2019-08-15 04:18:39	0.03	40.590	20.933	2.4	0.6	1.4	6	6	133
2019-08-15 11:03:05	0.01	40.593	20.876	2.4	9.3	0.7	10	6	128
2019-08-15 12:27:35	0	37.144	20.504	2.8	28.2	4.6	10	6	277
2019-08-15 13:01:09	0.03	39.738	20.490	2.3	0.8	1.1	13	8	140
2019-08-15 16:44:23	0.17	40.471	20.764	1.9	14.3	1.5	6	6	141

2019-08-16 10:49:25	0.07	40.455	20.774	2.3	17.8	1	6	7	136
2019-08-16 13:00:41	0.01	40.496	20.794	2.2	11.4	1.5	5	6	246
2019-08-17 02:22:11	0.59	37.730	20.960	4	0.7	2.4	10	12	211
2019-08-17 06:35:21	0.25	40.339	19.860	2.6	8.8	1.6	8	13	111
2019-08-18 01:36:16	0.06	37.645	20.622	2.9	27.9	0.7	10	9	230
2019-08-18 07:15:19	0.02	40.691	20.714	1.5	16.5	0.8	5	5	299
2019-08-18 23:59:00	0.15	40.433	20.765	2	4.4	0.9	5	8	133
2019-08-19 01:50:54	0.41	41.252	19.930	2.5	12.4	1.6	9	15	130
2019-08-19 11:42:48	0.01	41.202	19.855	2.7	36.2	0.7	15	16	137
2019-08-19 12:00:49	0.01	40.868	20.696	2	1	1.2	21	7	267
2019-08-20 05:47:04	0.11	40.516	20.798	2.2	12.4	0.6	5	9	112
2019-08-20 22:49:13	0.36	40.484	20.803	2.3	6	3.8	5	10	116
2019-08-21 09:45:45	0.17	41.006	23.804	3	10.4	1.1	8	11	179
2019-08-21 12:24:50	0.06	41.925	20.330	2.7	5.4	1.6	6	7	167
2019-08-21 21:56:22	0.58	39.937	24.900	3.5	20.1	4.5	22	14	281
2019-08-22 07:17:03	0.18	39.015	20.389	2.8	46.8	0.9	8	12	170
2019-08-23 03:00:47	0.08	41.456	20.436	2.3	34	1.6	21	9	148
2019-08-24 13:22:55	0.14	38.777	22.000	2.7	20.7	1.2	6	9	285
2019-08-25 02:00:22	0.22	39.711	20.295	2.2	21.4	1.7	7	10	136

2019-08-25 15:38:47	0.02	40.475	20.759	1.7	10.4	1.8	4	5	263
2019-08-27 00:50:26	0.05	40.509	20.869	1.6	14.4	0.8	6	5	128
2019-08-27 05:31:04	0.29	37.276	20.561	3.1	7	31.6	6	11	337
2019-08-27 06:24:44	0.21	38.478	23.021	3.8	7	31.6	10	11	309
2019-08-27 14:23:51	0.09	40.475	20.791	2.1	13	1.3	16	7	158
2019-08-27 23:27:43	0.47	39.371	20.183	2.4	41.3	1.4	6	8	172
2019-08-28 02:10:00	0.16	40.504	20.866	2.4	2.5	2.3	7	10	132
2019-08-28 05:44:26	0.68	38.367	21.911	3.9	3.7	3.1	20	22	135
2019-08-28 11:55:06	0.09	41.202	19.716	3	43.2	1.4	9	10	147
2019-08-30 03:23:16	0.33	41.471	20.260	2	10.4	2.9	9	11	137
2019-08-30 16:56:08	0.09	38.794	21.345	3.3	22.3	1.7	6	11	270
2019-08-30 20:23:28	0.05	40.473	20.777	1.8	13.3	2.6	5	8	145
2019-08-31 00:20:12	0.09	42.381	19.997	1.7	26.2	0.5	5	6	270



-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 Gusht 2019, bazuar në regjistrimet e ASN dhe stacioneve sizmologjike në rajon.
(Epicentral map for located seismicity within Albania and surrounding during August 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]	133
Numuri i ngjarjeve sizmike brenda kufirit shtetëror	[earthquakes occurred within state border]	125
Thellësia mesatare e vrojtuar (km)	[mean observed depth]	15
Thellësia maksimale e vrojtuar (km)	[maximum observed depth]	72
Magnituda lokale minimale e vrojtuar ($M_{L/a}$)	[minimum observed local magnitude]	0.2
Magnituda lokale maksimale e vrojtuar ($M_{L/a}$)	[maximum observed local magnitude]	4.5
Intensiteti maksimal i vrojtuar (MSK-64)	[maximum observed intensity]	VI

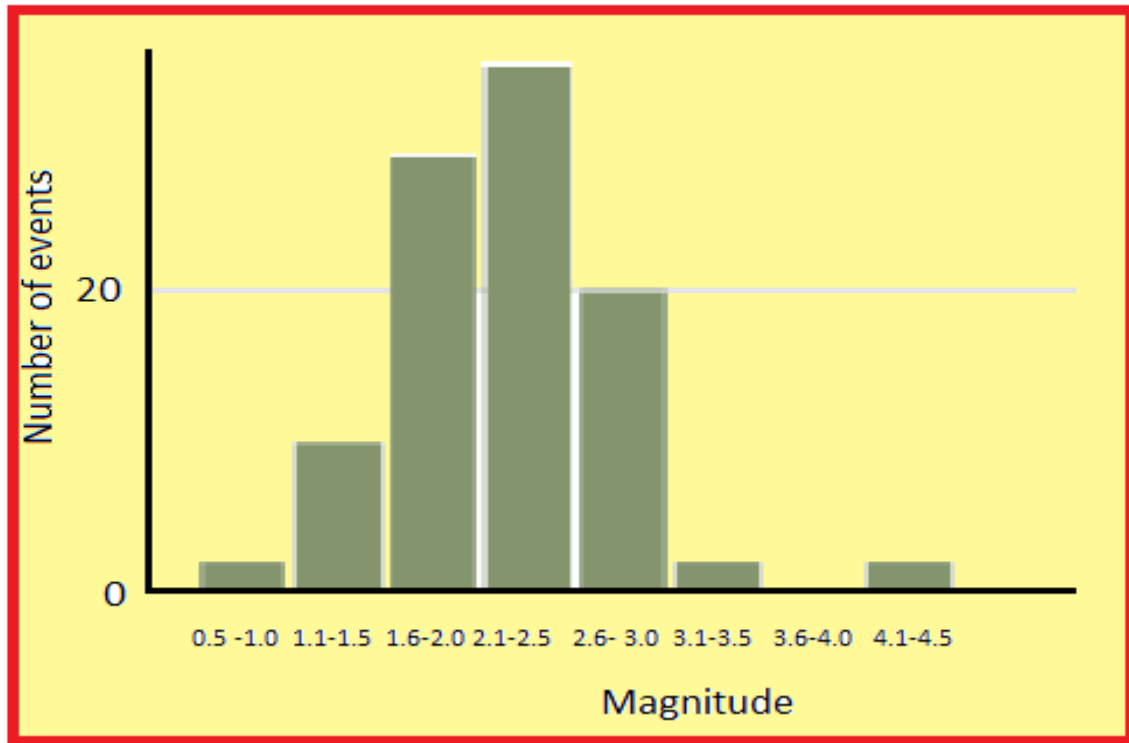
2. Karakteristikat kryesore të sizmicitetit për muajin Gusht 2019

Gjatë muajit Gusht, Rrjeti Sizmologjik i Shqipërisë, regjistroi për vendin tone një sizmicitetin te nivelit te ulet. Rritja më e madhe e aktivitetit sizmik u regjistrua në juglindje të Shqipërisë e shprehur me sekuençen e 89 pasgoditjeve të tërmetit të 31 korrikut epiqender në Dardhe (Korçë) $M_L 4.7$. Në këtë muaj janë lokalizuar 133 tërmete me magnitudë që varion nga 0.2 në 4.5 (Richter), 6 prej tyre me magnitudë $M_L \geq 3.0$ Richter, 2 prej tyre me $M_L > 4.0$, dhe më i fortë me $M_L = 4.5$ me epiqender ne detin Jone. (Fig 2). Prej tyre 80 kanë ndodhur gjate dites dhe 53 gjatë natës. Frekuenca me e madhe ne nivelin e magnitudes $1.5 \leq M < 3$ me 92 termete (Grafik 1). Numër mesatar i tërmeteve në ditë ishte 4 dhe maksimumi 26 (20% e të gjithë tërmeteve të ndodhura) u regjistrua gjatë 1 Gushtit si rezultat i serive të pasgoditjeve të tërmetit te 31 Korrikut ($M 4.7$) në zonën sizmogenjike të Korçës. Tërmeti më i fortë i gjeneruar ne territorin e vendit tone gjate ketij muaji ndodhi në 12 Gusht në orën 17:37 me oren lokale, me magnitud 4.2 Rihter, 4 kilometra në veri-lindje te fshatit Reps dhe 21 km në verilindje nga qyteti Rreshenit. Goditja kryesore u ndje me intensitet IV ballë (EMS-98) në një zonë brenda 10 kilometrave largësi nga epiqendra, dhe me intensitet IV ballë (EMS-98) në qytetin e Rreshenit dhe Pukes ne një zonë deri 22 kilometra largësi, III- IV ballë (EMS-98) në qytetin e Burrelit, Shengjinit dhe Kukesit ne një zonë reth 35-40 km. Shumica e tërmeteve lokale rreth 90.5% janë shpërndarë në thellësi midis 0 dhe 20 km, me thellësi mesatare 15 km dhe thellësi maksimale 72 km. Vetem 1 tërmet me $M 4.2$ u ndie nga popullsia e Shqipërisë.

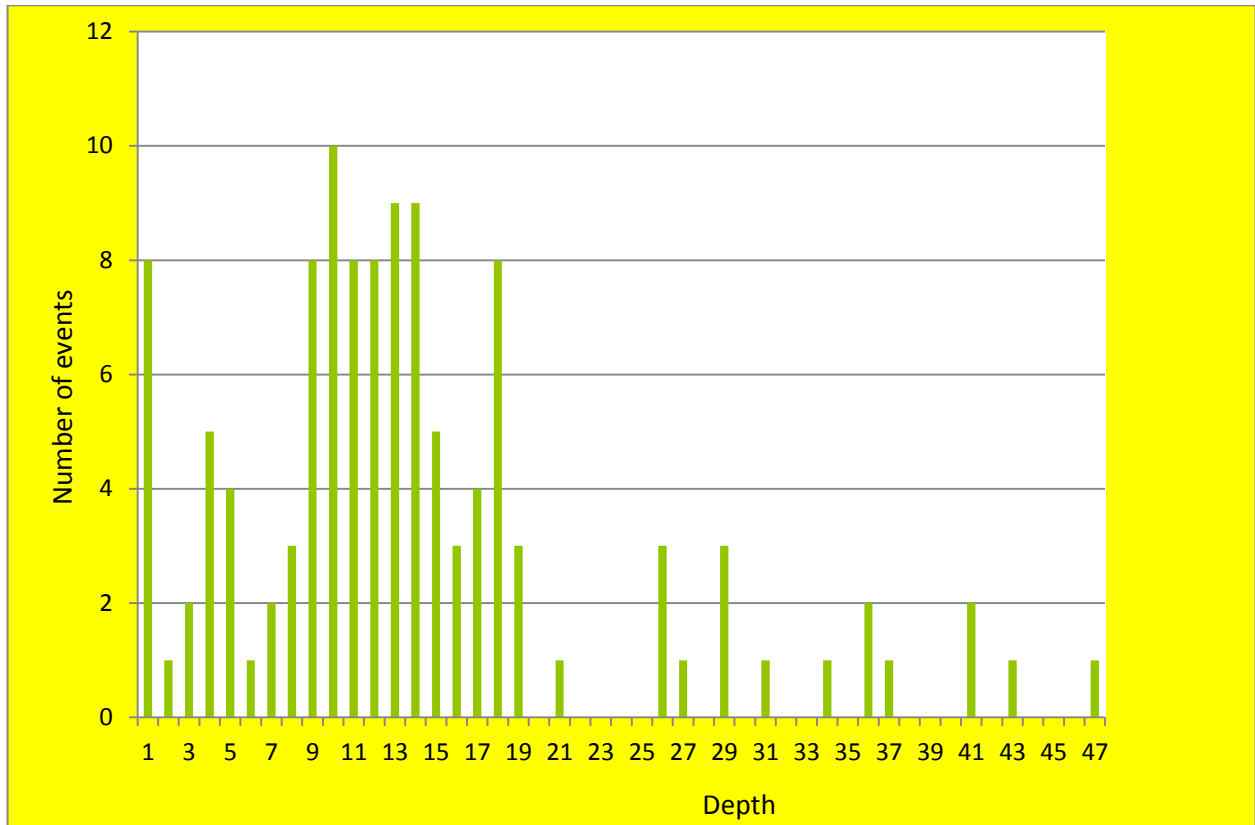
2. Main features of seismicity during August month 2019

During the August, Albania Seismological network, recorded low seismicity. Highest increased of seismic activity was registered in southeastern Albania expressed by 89 sequences of moderate earthquake of Dardha (Korca) $M_L 4.7$. At that month, 133 earthquakes were recorded totally with magnitude ranging from 0.2 to 4.5 (Richter), 6 of them with magnitude $M_L \geq 3.0$ Richter, 2 of them with $M_L > 4.0$, the strongest with $M_L = 4.5$ epicenter in Ionian sea (Fig 2). During the daytime 80 of total number of earthquakes occurred and 53 at the night. Higher frequency presented at magnitude level $1.5 \leq M < 3$ with 92 earthquakes (Fig 3). An average number of earthquakes per day

were 4 and the maximum – 26 (20 % of all occurred earthquakes) was registered during 1 August as a result of series of aftershocks in Korca seismogenic zone (Fig 5). The strongest earthquake generated in Albanian orogen occurred on 12th of August at 17:37 local time, with Richter magnitude of 4.2, on 3 kilometers northeast from Reps village and 21 km northeast from Rresheni town. Earthquake felt with intensity of V degrees on the EMS-98 scale in the area of the accumulation within 10 kilometers distance, and with intensity of IV degrees in Rresheni and Puka area inside 20 kilometers distance and III-IV degrees at Burreli, Shengjini and Kukesi towns inside 35 kilometers distance. The most of local earthquakes about 87.5% are distributed in depth between 0 and 25 km, with average depth 15 km and maximum depth 72 km (Fig 4). Only one earthquake were felt by population of Albania.

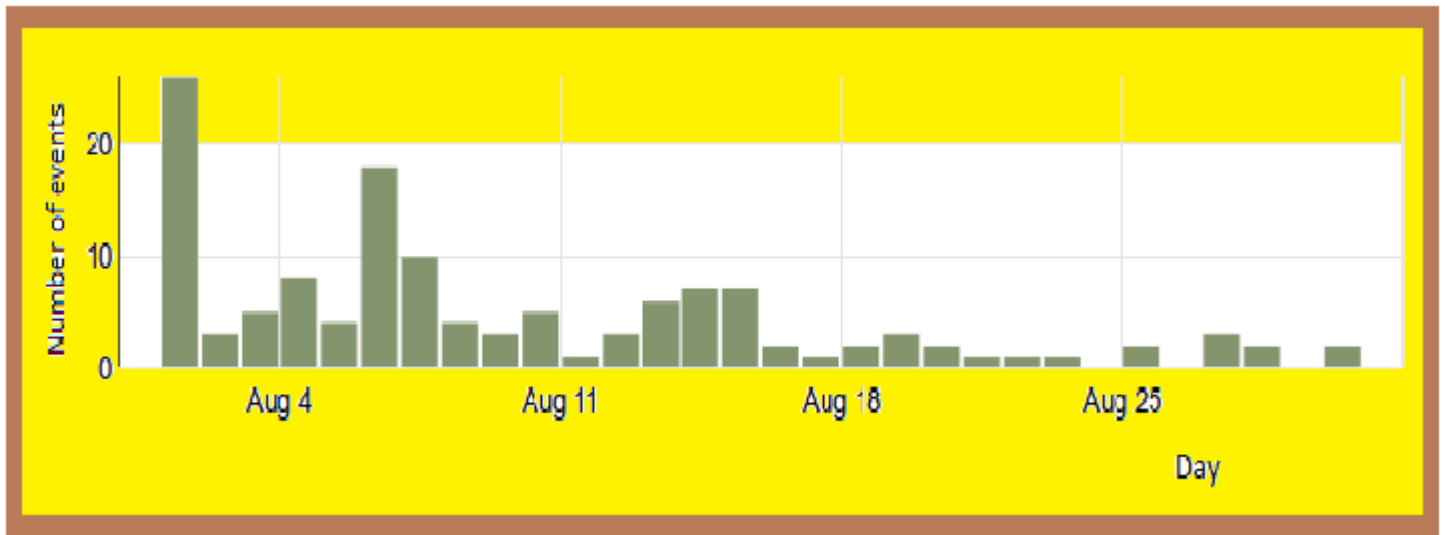


-Fig. 3 -
. Grafiku i numurit të ngjarjeve për nivelin e magnitudave



-Fig. 4 -

Grafik 2. Grafiku i frekuencës së tërmeteve në lidhje me thellësin.



-Fig. 5 -

Grafiku ishpërndarjes së numurit të ngjarjeve për ditë

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

Ngjarja 1:

Datë 12.08.2019, në orën 15:37:07.88 (UTC); (17:37:07.88 ora lokale); lokalizuar 40.89V; 20.09L, ne Repe, 21 km në Verilindje të Rreshenit; Intensiteti i tërmetit në epiqendër $I_0 = V$ ballë (EMS-98); Ndjerë: IV ballë në qytetin e Rreshenit dhe Pukes; III - IV ballë në qytetet Shengjin, Burrel, Kukes.

(Event 2):

(Intensity $I_0 = V$ degree EMS-98, felt IV degree at Rresheni an Puka town; III-IV degree at Shengjin, Burrel, Kukes towns.;

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

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

2. Mekanizmat fokal (Focal mechanisms) (Fig 6)

1. Main shock

Source parameters (relocated)

<i>Date</i>	<i>Time</i>	<i>Coordinates</i>	<i>Depth</i>	<i>Magnitude</i>
2019 0812	15:37:09	40.937N 20.137E	12	4.0 (M_W moment magnitude)

Source geometry: FOCMEC F

SPEC AVERAGE MO 15.1 ST113.8 OM 4.4 f0 2.86 R0.6140 AL 1.40 WI 5.4 MW 4.0 3

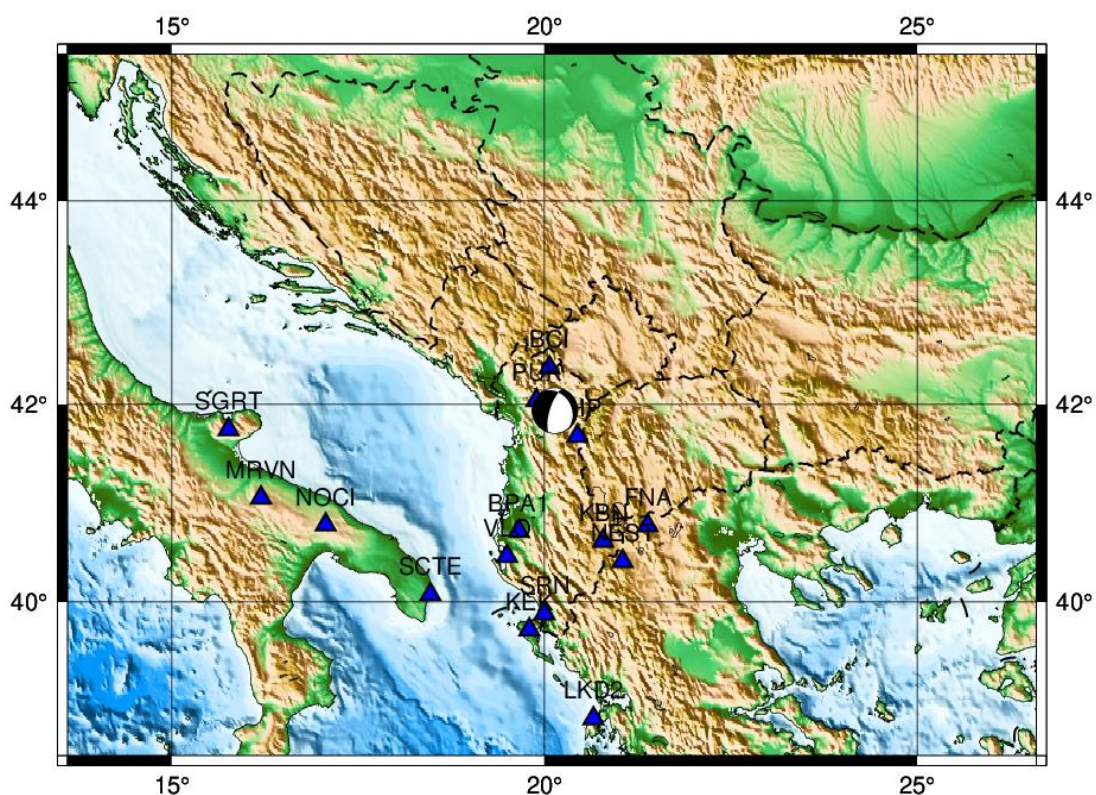
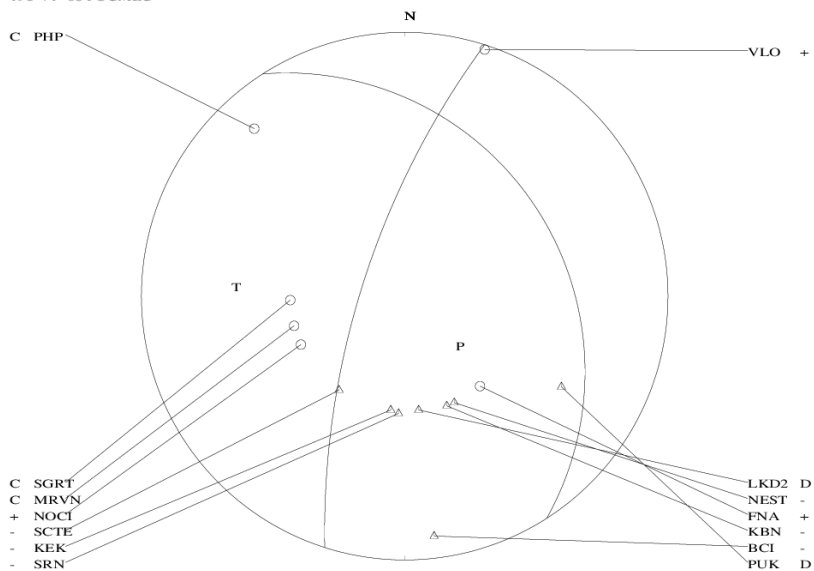
SPEC SD MO 0.2 ST109.6 OM 0.3 f0 1.30 R0.3291 AL WI MW 0.1 3

GAP=145 2.52 4.3 6.3 5.4 0.1114E+02 0.5265E+01 0.9771E+01E

Active fault plane

<i>Strike</i>	<i>Dip</i>	<i>Rake</i>
197.68	71.25	-68.83

2019 812 1537 9.0.L 41.937 20.137 12.0 GEO 16 0.9 3.2CGEO 4.0WGEO
 STR DIP RAK Source
 198 71 -68 FOCMEC



-Fig. 6 -
 Harta e paraqitjes se kakanizmave vatror per termetet Gusht 2019

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>).

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