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BULETINI MUJOR I SIZMOLOGJISË



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BULETINI MUJOR I SIZMOLOGJISË (MONTHLY BULLETIN OF SEISMOLOGY)

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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 përfutuara ruhen në formatet standart të Hypoinverse 2000, në skedarin hyp.prt dhe atë akiv, që shërbejnë edhe si baza për përpilimin e këtij buletini dhe analizës së kryer.

Briefing:

The seismological bulletin represents a reassume of the seismic events (earthquakes), occurred within Albania and surroundings for a period of one month. These events are permanently recorded, located and further processed by Albanian Seismological Network. This report, along with the chronologic ordering of events, contains a comprehensive analysis of the evaluated parameters as well as the quality of this process. It contains the description of output parameters, parametric data, statistical analysis and quality data analysis, catalogue and epicenter map. 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

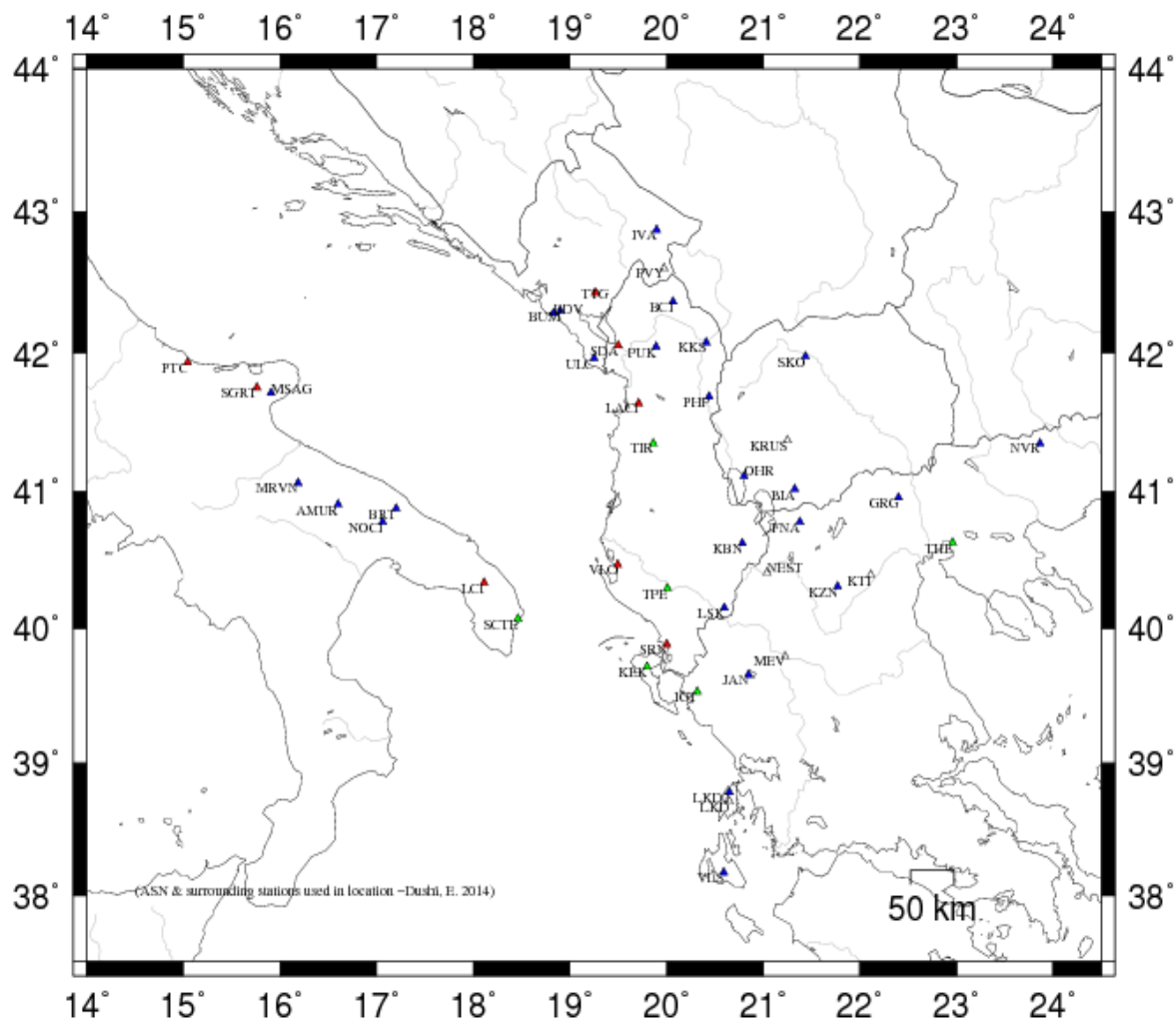
Tab. 3 – Rrjeti Sizmologjik Ndihmës (MSO, SKO, AUTH, NAO, INGV)

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-3E SPC/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-3E SPC/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 gjithëpërfshirës i kreut të ngjarjes (EVENT HEADER INFORMATION)

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

DEPTH	Thellësia vatrore (km) [<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 [<i>Quality rating based on station geometry</i>]
QLOC	Cilesia e katalogut bazuar ne lokalizimin e ngjarjeve sizmike [<i>Quality rating based on localization of seismic event</i>]
REMARKS	Kodi (3 karaktere) i rajonit (region code), bazuar në lokalizim dhe thellësinë e vlerësuar; kodi (1 karakter) për të karakterizuar ngjarjen: F – e ndjerë (felt), Q/ B – shpërthime sipërfaqësore në karriera (quarry blasts), R/N – shpërthime në thellësi (explosions), T – vibrime (tremors) dhe L – kontraktimet me period të gjatë (long period tidal waves); # - problem me konvergimin e zgjidhjes së përfutur në mënyrë iterative [<i>convergence problems</i>], ose zgjidhje e pa pranueshme me RMS të lartë; (-) – tregon se thellësia është fiksuar [<i>fixed depth solution</i>]; X – lokalizimi i fiksuar për të rritur performancën në llogaritjen e thellësisë [<i>fixed location solution</i>].
AVH	Shënime për statusin [<i>status remarks</i>].
N.XMG	Numri i magnitudave bazuar në amplitudë [<i>number of primary amplitude based magnitudes</i>].
X.MMAD	Gabimi i bërë në vlerësimin e ML [<i>weighted median absolute difference for the primary amplitude magnitudes</i>].
T	Kodi i identifikimit për magnitudën XMAG1 [<i>label code for XMAG1</i>].
N.FMAG	Numri i magnitudave, bazuar në zgjatshmërinë e sinjalit [<i>number of primary coda magnitudes</i>].
FMMAD	Gabimi i bërë në vlerësimin e Md [<i>weighted median absolute difference for the primary coda magnitudes</i>].
T	Kodi i identifikimit për magnitudën FMAG1 [<i>label code for FMAG1</i>].

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

Informacioni parametrik i ngjarjes (EVENT PARAMETRIC DATA)

STA	Kodi i stacionit me 5-karaktere (station code, max 5 characters). (*) –tregon se për këtë stacion është përdorur një model alternative shpejtësie [<i>alternative crustal velocity model used for that station</i>].
NET	Kodi i rrjetit [<i>the network code</i>].
COM	komponentja e përdorur [3 – <i>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 korrigjues që përdoret në llogaritjen e magnitudës [<i>calibration factor for magnitude calculation</i>].
DUR	Zgjatshmëria e fazës koda (s) [<i>coda duration i sec</i>]
W	Kodi i peshimit 0-4 për magnitudën bazuar në zgjatshmërinë e sinjalit, Md, [<i>duration magnitude weight code</i>].
FMAG	Magnituda Md, për stacionin [<i>duration magnitude for that station</i>].
T	Kodi për llojin e magnitudës [<i>the magnitude type code assigned by FC1 & FC2 commands</i>].
AMP	amplituda maksimale (pik-pik) [<i>peak to peak maximum amplitude</i>]
U	Kodi për njësinë e përdorur për amplitudën M – mm, C – counts, etj. [<i>amplitude units code</i>]
PER	Perioda (s), ku është matur A_{max} , [<i>max amplitude corresponding period in sec.</i>].
W	Kodi i peshimit 0-9, për magnitudën, bazuar në amplitudë, [<i>amplitude based magnitude weight code</i>].
XMAG	Magnituda bazuar në amplitudë, për stacionin, [<i>amplitude magnitude for that station</i>].
T	Kodi për llojin e magnitudës [<i>the magnitude type code assigned by XC1 & XC2 commands</i>].

Tërmetet Lokalë (Parametric Data for Albanian local Events)

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250741 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3774 0.2 km from Janqishta, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/01	04:23:07.36		0.23	40.4757	20.4568				17.1	1.4	11	10	77	0.29	2.15	m	
3886																	

Magnitude	Err	Nsta	Author	OrigID
Ml	4.0	0.0	2	3886

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.29	59.0	S	04:23:18.410	0.9					___				m		46443
KBN	0.29	59.0	P	04:23:13.296	0.1					___				m		46442
KBN	0.29	59.0	AMl	04:23:19.250						___		71.1	0.40	a	Ml	3.9
NEST	0.46	97.0	S	04:23:24.138	0.6					___				m		46445
NEST	0.46	97.0	P	04:23:16.374	-0.2					___				m		46444
SRN	0.69	211.0	S	04:23:32.795	1.0					___				m		46447
SRN	0.69	211.0	P	04:23:20.959	-0.4					___				m		46446
VLO	0.73	270.0	S	04:23:35.842	4.5					___				m		46449
VLO	0.73	270.0	P	04:23:21.364	0.3					___				m		46448
IGT	0.95	186.0	P	04:23:25.866	0.3					___				m		46450
TIR	0.98	333.0	S	04:23:41.931	1.7					___				m		46452
TIR	0.98	333.0	P	04:23:26.086	-0.1					___				m		46451
PHP	1.21	0.0	S	04:23:46.995	0.2					___				m		46454
PHP	1.21	0.0	P	04:23:29.707	-0.2					___				m		46453
PHP	1.21	0.0	AMl	04:23:52.470						___		11.4	0.58	a	Ml	4.0
LKD2	1.69	174.0	P	04:23:38.987	0.2					___				m		46455
PDG	2.15	336.0	S	04:24:11.687	-2.9					___				m		46457
PDG	2.15	336.0	P	04:23:43.679	-2.1					___				m		46456

DATA_TYPE COMMENT GSE2.1
Event 3774

Official Magnitude:
Ml 3.95

Error ellipse:

	Azim	Dip	Mag
Max:	106	76	1.4500
Intermediate:	312	12	0.5200
Min:	221	6	0.4600

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250741 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3775 0.5 km from Janqishtë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2020/07/01	04:23:07.28		0.16	40.4745	20.4535				16.8	0.7	16	10	77	0.30	2.15	m	
3887																	

Magnitude	Err	Nsta	Author	OrigID
M1	3.9	0.0	2	3887

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.29	59.0	S	04:23:18.115	0.6									m		46459
KBN	0.29	59.0	P	04:23:13.210	0.1									m		46458
NEST	0.46	97.0	S	04:23:23.744	0.2									m		46461
NEST	0.46	97.0	P	04:23:16.374	-0.2									m		46460
SRN	0.69	211.0	S	04:23:32.795	1.2									m		46463
SRN	0.69	211.0	P	04:23:21.009	-0.2									m		46462
VLO	0.73	270.0	S	04:23:34.782	3.6									m		46465
VLO	0.73	270.0	P	04:23:21.041	0.1									m		46464
VLO	0.73	270.0	AM1	04:23:38.080								18.7	0.52	a	M1	3.8
VLO	0.73	270.0	AM1	04:23:37.180								21.2	0.38	a	M1	3.9
KEK	0.91	214.0	S	04:23:38.114	0.0									m		46467
KEK	0.91	214.0	P	04:23:23.879	-1.0									m		46466
IGT	0.95	186.0	S	04:23:42.034	2.9									m		46469
IGT	0.95	186.0	P	04:23:25.699	0.2									m		46468
TIR	0.98	334.0	S	04:23:40.577	0.4									m		46471
TIR	0.98	334.0	P	04:23:26.086	0.0									m		46470
PHP	1.21	0.0	S	04:23:46.777	-0.0									m		46473
PHP	1.21	0.0	P	04:23:29.707	-0.2									m		46472
PHP	1.21	0.0	AM1	04:23:52.470								11.4	0.58	a	M1	4.0
LKD2	1.69	174.0	S	04:24:02.732	0.5									m		46475
LKD2	1.69	174.0	P	04:23:38.797	0.1									m		46474
PDG	2.15	336.0	S	04:24:14.541	0.0									m		46477
PDG	2.15	336.0	P	04:23:43.679	-2.0									m		46476

DATA_TYPE COMMENT GSE2.1

Event 3775

Official Magnitude:

Ml 3.89

Error ellipse:

	Azim	Dip	Mag
Max:	102	74	0.7400
Intermediate:	300	14	0.2700
Min:	209	5	0.2400

BEGIN GSE2.1

MSG_TYPE DATA

MSG_ID 1598250741 athena

DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3776 2.7 km from Pishaj, Elbasan, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/02	08:53:30.79		0.01	41.2687	20.1023				7.0	1.0	5	10	155	0.20	1.12	m	
3888																	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.5	0.0	3	3888

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.20	0.0	P	08:53:34.215	0.0					---				m		46484
TIR	0.20	294.0	S	08:53:37.973	0.0					---				m		46479
TIR	0.20	294.0	S	08:53:37.964	0.0					---				m		46478
TIR	0.20	294.0	AMl	08:53:38.090						---		0.6	0.24	a	Ml	1.7
TIR	0.20	294.0	AMl	08:53:39.650						---		0.4	0.28	a	Ml	1.5
PHP	0.49	31.0	S	08:53:48.845	1.6					---				m		46481
PHP	0.49	31.0	P	08:53:40.170	0.0					---				m		46480
PHP	0.49	31.0	AMl	08:53:51.580						---		0.2	0.10	a	Ml	1.4
NEST	1.12	139.0	S	08:54:08.724	0.0					---				m		46483
NEST	1.12	139.0	P	08:53:52.432	-0.0					---				m		46482
NEST	1.12	139.0	AMl	08:54:10.330						---		0.0	0.34	a	Ml	1.2

DATA_TYPE COMMENT GSE2.1

Event 3776

Official Magnitude:

Ml 1.47

Error ellipse:

	Azim	Dip	Mag
Max:	275	87	0.9700

Intermediate: 50 2 0.0400
Min: 140 2 0.0300

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250741 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3778 2.5 km from Muzhllit Mali i, Durrës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID	2020/07/03	01:31:34.00	0.35	41.5523	19.4477				16.7	2.2	10	32	187	0.38	2.13	m	
3890																	

Magnitude	Err	Nsta	Author	OrigID
M1	1.7	0.0	5	3890

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.37	122.0	Sg	01:31:47.843	0.3									m		46497
TIR	0.37	122.0	Pg	01:31:41.506	-0.2									m		46496
TIR	0.37	122.0	AM1	01:31:48.690								0.3	0.22	a	M1	1.7
SDA	0.59	0.0	Pg	01:31:43.318	0.0									m		46508
SDA	0.50	4.0	Sg	01:31:51.990	0.4									m		46498
SDA	0.50	4.0	AM1	01:31:54.050								0.2	0.22	a	M1	1.5
SDA	0.50	4.0	AM1	01:31:54.160								0.2	0.18	a	M1	1.5
PHP	0.76	79.0	Sg	01:31:59.431	0.0									m		46500
PHP	0.76	79.0	Pg	01:31:47.851	-0.7									m		46499
PHP	0.76	79.0	AM1	01:32:05.080								0.1	0.48	a	M1	1.7
PDG	0.89	352.0	Sn	01:32:04.300	0.2									m		46502
PDG	0.89	352.0	Pn	01:31:50.624	-0.6									m		46501
NEST	1.66	132.0	Sn	01:32:28.190	0.1									m		46504
NEST	1.66	132.0	Pn	01:32:05.026	0.1									m		46503
NEST	1.66	132.0	AM1	01:32:31.780								0.0	0.34	a	M1	1.9
NEST	1.66	132.0	AM1	01:32:32.380								0.0	0.38	a	M1	2.0
SRN	1.72	165.0	Sn	01:32:25.403	-5.2									m		46506
SRN	1.72	165.0	Pn	01:32:06.557	0.2									m		46505
IGT	2.13	161.0	Pn	01:32:09.461	-2.7									m		46507
IGT	2.13	161.0	AM1	01:32:52.390								0.0	0.52	a	M1	1.9

DATA_TYPE COMMENT GSE2.1
Event 3778

Official Magnitude:
M1 1.73

Error ellipse:
Azim Dip Mag

Max: 69 61 2.5300
 Intermediate: 242 28 1.2700
 Min: 334 3 0.6000

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1598250741 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3779 1.0 km from Kokaj, Kukës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/04	21:30:52.05		0.08	41.8857	20.5107				2.0	1.2	5	9	241	0.21	1.52	m	
3891																	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.5	0.0	3	3891

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
PHP	0.21	0.0	P	21:30:55.945	0.0					---						46514
PHP	0.21	195.0	S	21:30:59.230	-0.2					---						46509
PHP	0.21	195.0	AMl	21:30:59.508						---		0.7	0.10	a	Ml	1.7
TIR	0.72	223.0	S	21:31:17.590	0.1					---						46510
TIR	0.72	223.0	AMl	21:31:20.528						---		0.1	0.42	a	Ml	1.5
SDA	0.77	283.0	S	21:31:19.280	0.1					---						46512
SDA	0.77	283.0	P	21:31:07.440	-0.1					---						46511
SDA	0.77	283.0	AMl	21:31:18.998						---		0.1	0.80	a	Ml	1.3
NEST	1.52	164.0	P	21:31:21.611	0.0					---						46513

DATA_TYPE COMMENT GSE2.1
 Event 3779

Official Magnitude:
 Ml 1.50

Error ellipse:

	Azim	Dip	Mag
Max:	36	82	1.2500
Intermediate:	221	7	0.5800
Min:	131	1	0.2100

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1598250741 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3782 1.2 km from Stredok, Dibër, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID	2020/07/05 01:51:01.18		0.00	41.8075	20.4938				5.7	0.2	5	8	218	0.66	1.45	m	
3894																	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.7	0.0	2	3894

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
PHP	0.13	0.0	P	01:51:04.389	0.0									m		46543	
TIR	0.66	226.0	S	01:51:23.828	-0.0									m		46536	
TIR	0.66	226.0	P	01:51:14.125	-0.0									m		46535	
TIR	0.66	226.0	AMl	01:51:25.638								0.1	0.46	a	Ml	1.6	21579
SDA	0.78	289.0	S	01:51:28.843	0.8									m		46538	
SDA	0.78	289.0	P	01:51:16.510	0.0									m		46537	
PDG	1.11	305.0	S	01:51:37.054	-1.8									m		46540	
PDG	1.11	305.0	P	01:51:22.718	0.0									m		46539	
NEST	1.45	163.0	S	01:51:49.993	0.0									m		46542	
NEST	1.45	163.0	P	01:51:29.074	0.0									m		46541	
NEST	1.45	163.0	AMl	01:51:54.058								0.0	1.18	a	Ml	1.7	21580

DATA_TYPE COMMENT GSE2.1
Event 3782

Official Magnitude:
Ml 1.66

Error ellipse:

	Azim	Dip	Mag
Max:	272	81	0.1600
Intermediate:	54	6	0.0400
Min:	145	5	0.0200

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250741 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3783 0.4 km from Xhyra, Tirana, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID	2020/07/05 04:59:23.36		0.18	41.2875	20.0235				2.8	1.2	6	8	160	0.13	1.17	m	
3895																	

Magnitude	Err	Nsta	Author	OrigID
M1	1.3	0.0	4	3895

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.13	297.0	S	04:59:29.076	0.6									m		46545
TIR	0.13	297.0	P	04:59:26.198	-0.1									m		46544
TIR	0.13	297.0	AM1	04:59:31.648								0.2	0.22	a	M1	1.1
PHP	0.51	0.0	P	04:59:32.237	0.0									m		46550
PHP	0.51	38.0	S	04:59:40.546	-0.3									m		46546
PHP	0.51	38.0	AM1	04:59:42.008								0.1	0.24	a	M1	1.3
SDA	0.86	333.0	S	04:59:53.579	0.4									m		46547
SDA	0.86	333.0	AM1	04:59:55.738								0.0	0.28	a	M1	1.4
NEST	1.17	137.0	S	05:00:03.466	-0.1									m		46549
NEST	1.17	137.0	P	04:59:46.297	-0.0									m		46548
NEST	1.17	137.0	AM1	05:00:09.858								0.0	0.84	a	M1	1.4

DATA_TYPE COMMENT GSE2.1
Event 3783

Official Magnitude:
M1 1.31

Error ellipse:

	Azim	Dip	Mag
Max:	245	56	1.4700
Intermediate:	27	28	0.4400
Min:	127	18	0.1900

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250741 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3784 1.6 km from Vodica, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/05	13:21:03.79		0.03	40.3950	20.6703				7.0	2.8	5	9	155	0.24	0.73	m	
3896																	

Magnitude	Err	Nsta	Author	OrigID
Md	1.9	0.0	3	3896
M1	1.9	0.0	1	3896

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.25	21.0	S	13:21:11.838	0.0									m		46552
KBN	0.25	21.0	P	13:21:08.319	-0.1									m		46551
KBN	0.25	21.0	AMd	13:21:32.452								0.0	24.13	a	Md	1.4

NEST	0.29	85.0	S	13:21:14.112	0.0	---										m		46554
NEST	0.29	85.0	P	13:21:09.491	-0.2	---										m		46553
NEST	0.29	85.0	AMd	13:21:35.254		---					0.0	25.76	a	Md	2.1		21586	
NEST	0.29	85.0	AMl	13:21:16.810		---					0.9	0.24	a	Ml	1.9		21588	
SRN	0.73	226.0	P	13:21:18.411	0.0	---										m		46555
SRN	0.73	226.0	AMd	13:21:55.694		---					0.0	37.28	a	Md	1.9		21587	

DATA_TYPE COMMENT GSE2.1
Event 3784

Official Magnitude:
Ml 1.94

Error ellipse:

	Azim	Dip	Mag
Max:	42	88	2.8400
Intermediate:	316	0	0.1200
Min:	226	2	0.0800

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250741 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3786 2.8 km from Shetaj, Durrës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2020/07/06	04:44:05.07		0.25	41.5345	19.4777				2.0	3.1	7	5	228	0.34	0.91	m	
3898																	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.9	0.0	3	3898

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.00	0.0	Pg	04:44:11.975	0.0											46569
TIR	0.35	122.0	Sg	04:44:17.813	-0.1											46562
TIR	0.35	122.0	AMl	04:44:17.938								0.7	0.20	a	Ml	21591
SDA	0.52	1.0	Sg	04:44:23.241	-0.3											46564
SDA	0.52	1.0	Pg	04:44:15.212	-0.4											46563
SDA	0.52	1.0	AMl	04:44:24.908								0.4	0.22	a	Ml	21592
PHP	0.74	77.0	S	04:44:30.645	0.2											46566
PHP	0.74	77.0	Pg	04:44:19.317	-0.3											46565
PHP	0.74	77.0	AMl	04:44:32.998								0.3	0.18	a	Ml	21593
PDG	0.91	350.0	Sg	04:44:36.948	0.3											46568
PDG	0.91	350.0	Pg	04:44:23.359	0.2											46567

DATA_TYPE COMMENT GSE2.1

Event 3786

Official Magnitude:

Ml 1.90

Error ellipse:

	Azim	Dip	Mag
Max:	233	73	3.2700
Intermediate:	49	16	1.4500
Min:	139	1	0.4700

BEGIN GSE2.1

MSG_TYPE DATA

MSG_ID 1598250741 athena

DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3787 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/06	12:32:46.13		0.01	41.2045	20.1580				7.0	0.4	5	9	281	0.26	0.98	m	
3899																	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.0	0.0	3	3899

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.26	0.0	P	12:32:51.950	0.0					---					m---	46575
TIR	0.26	304.0	S	12:32:55.565	0.0					---					m---	46570
TIR	0.26	304.0	AM1	12:32:56.558						---		1.4	0.22	a---	Ml 2.1	21594
PHP	0.52	23.0	S	12:33:03.787	-0.0					---					m---	46572
PHP	0.52	23.0	P	12:32:56.229	0.0					---					m---	46571
PHP	0.52	23.0	AM1	12:33:05.698						---		0.4	0.28	a---	Ml 1.9	21595
SDA	0.98	330.0	S	12:33:19.524	0.0					---					m---	46574
SDA	0.98	330.0	P	12:33:05.198	-0.0					---					m---	46573
SDA	0.98	330.0	AM1	12:33:23.018						---		0.2	0.28	a---	Ml 2.0	21596

DATA_TYPE COMMENT GSE2.1

Event 3787

Official Magnitude:

Ml 2.02

Error ellipse:

	Azim	Dip	Mag
Max:	4	88	0.4200
Intermediate:	178	1	0.0700
Min:	268	0	0.0200

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1598250741 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3789 0.9 km from Aganas, Tirana, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/06	11:08:05.73		0.18	41.2073	19.5430				30.3	0.8	4	9	299	0.28	0.84	m	
OrigID 3901																	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.8	0.0	3	3901

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.28	0.0	P	11:08:12.156	0.0					---						46589
TIR	0.28	59.0	S	11:08:17.546	-0.6					---						46585
TIR	0.28	59.0	AM1	11:08:17.070						---		1.0	0.34	a	Ml	2.1
PHP	0.83	54.0	S	11:08:33.399	0.1					---						46587
PHP	0.83	54.0	P	11:08:21.455	-0.0					---						46586
PHP	0.83	54.0	AM1	11:08:37.010						---		0.1	0.28	a	Ml	1.8
SDA	0.84	358.0	S	11:08:34.310	-0.1					---						46588
SDA	0.84	358.0	AM1	11:08:36.750						---		0.1	0.28	a	Ml	1.5

DATA_TYPE COMMENT GSE2.1
 Event 3789

Official Magnitude:
 Ml 1.79

Error ellipse:

	Azim	Dip	Mag
Max:	52	29	1.5500
Intermediate:	200	56	0.9800
Min:	313	15	0.7000

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1598250740 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3791 1.7 km from Mullini i Danit, Durrës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/07	20:17:24.76		0.00	41.5075	19.5158				5.1	0.0	4	7	238	0.31	0.94	m	

Magnitude	Err	Nsta	Author	OrigID
M1	1.4	0.0	3	3903

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.31	0.0	P	20:17:31.445	0.0											46610
TIR	0.31	121.0	S	20:17:35.793	0.0											46604
TIR	0.31	121.0	AM1	20:17:36.660								0.3	0.14	a	M1	1.4
SDA	0.54	359.0	S	20:17:43.664	0.0											46606
SDA	0.54	359.0	P	20:17:35.558	0.0											46605
SDA	0.54	359.0	AM1	20:17:47.870								0.0	0.14	a	M1	0.9
PHP	0.72	75.0	P	20:17:38.576	0.0											46608
PHP	0.72	75.0	S	20:17:51.220	2.3											46607
PHP	0.72	75.0	AM1	20:17:50.290								0.1	0.62	a	M1	1.4
PDG	0.94	349.0	P	20:17:44.790	1.6											46609

DATA_TYPE COMMENT GSE2.1
Event 3791

Official Magnitude:
M1 1.38

Error ellipse:

	Azim	Dip	Mag
Max:	231	50	0.0300
Intermediate:	56	39	0.0100
Min:	324	2	0.0000

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250740 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3793 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/08	22:34:11.59		0.01	39.9728	20.5652				7.0	1.2	5	5	304	0.44	0.65	m	

Magnitude	Err	Nsta	Author	OrigID
M1	1.8	0.0	2	3905

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

SRN	0.44	259.0	S	22:34:27.721	0.0
SRN	0.44	259.0	P	22:34:20.813	0.0
SRN	0.44	259.0	AM1	22:34:30.330	
IGT	0.48	203.0	S	22:34:28.204	0.0
IGT	0.48	203.0	P	22:34:21.051	-0.0
IGT	0.48	203.0	AM1	22:34:29.610	
KEK	0.65	247.0	S	22:34:33.823	-0.1
KEK	0.65	247.0	P	22:34:23.121	-1.2

_____				m_____	46620
_____				m_____	46619
_____	0.4	0.34	a_____	M1	1.7
_____				m_____	46622
_____				m_____	46621
_____	0.4	0.30	a_____	M1	1.8
_____				m_____	46624
_____				m_____	46623

DATA_TYPE COMMENT GSE2.1
Event 3793

Official Magnitude:
M1 1.75

Error ellipse:

	Azim	Dip	Mag
Max:	236	89	1.2300
Intermediate:	44	0	0.1500
Min:	134	0	0.0700

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250740 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3794 1.4 km from Cërrik, Elbasan, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2020/07/09	02:16:14.76		0.12	41.0352	19.9922				12.2	0.8	10	9	125	0.68	1.52	m	
3906																	

Magnitude	Err	Nsta	Author	OrigID
M1	2.5	0.0	5	3906

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.33	0.0	P	02:16:20.718	0.0					_____					m_____	46640
TIR	0.33	343.0	S	02:16:27.540	1.1					_____					m_____	46625
TIR	0.33	343.0	AM1	02:16:31.250						_____		2.3	0.40	a_____	M1	2.4
VLO	0.68	214.0	S	02:16:37.393	0.4					_____					m_____	46627
VLO	0.68	214.0	P	02:16:27.460	0.0					_____					m_____	46626
VLO	0.68	214.0	AM1	02:16:40.470						_____		3.9	0.42	a_____	M1	3.1
KBN	0.73	124.0	S	02:16:39.774	0.7					_____					m_____	46629
KBN	0.73	124.0	P	02:16:28.518	-0.1					_____					m_____	46628
PHP	0.73	27.0	P	02:16:28.888	0.1					_____					m_____	46631
PHP	0.73	27.0	S	02:16:39.587	0.2					_____					m_____	46630
PHP	0.73	27.0	AM1	02:16:45.000						_____		0.8	0.26	a_____	M1	2.5

SDA	1.08	341.0	S	02:16:53.586	2.3	---	m	46633
SDA	1.08	341.0	P	02:16:35.687	0.1	---	m	46632
SDA	1.08	341.0	AM1	02:16:56.660		---	0.3 0.20 a M1 2.3	21616
SRN	1.15	179.0	S	02:16:53.942	-0.3	---	m	46635
SRN	1.15	179.0	P	02:16:36.949	-0.3	---	m	46634
SRN	1.15	179.0	AM1	02:16:57.170		---	0.5 0.36 a M1 2.6	21617
PDG	1.50	339.0	S	02:17:03.897	-0.3	---	m	46637
PDG	1.50	339.0	P	02:16:42.881	-0.1	---	m	46636
IGT	1.52	170.0	S	02:17:04.561	-0.5	---	m	46639
IGT	1.52	170.0	P	02:16:43.599	0.1	---	m	46638

DATA_TYPE COMMENT GSE2.1
Event 3794

Official Magnitude:
M1 2.48

Error ellipse:

	Azim	Dip	Mag
Max:	89	75	0.8000
Intermediate:	266	14	0.3700
Min:	356	1	0.1900

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250740 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3795 0.8 km from Lozhan, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID	2020/07/09	22:52:20.89	0.04	40.7162	20.5408				6.9	3.0	5	6	269	0.21	1.19	m	
3907																	

Magnitude	Err	Nsta	Author	OrigID
M1	1.5	0.0	2	3907

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.21	116.0	Sg	22:52:27.666	-0.0					---				m		46642
KBN	0.21	116.0	Pg	22:52:24.828	0.1					---				m		46641
KBN	0.21	116.0	AM1	22:52:29.340						---		0.6	0.30	a M1	1.7	21618
SRN	0.93	207.0	Pg	22:52:39.125	-0.3					---				m		46644
SRN	0.93	207.0	S	22:52:53.314	0.0					---				m		46643
IGT	1.19	188.0	S	22:53:01.453	0.0					---				m		46646
IGT	1.19	188.0	Pg	22:52:43.997	-0.1					---				m		46645
IGT	1.19	188.0	AM1	22:53:05.000						---		0.0	0.62	a M1	1.2	21619

DATA_TYPE COMMENT GSE2.1
Event 3795

Official Magnitude:
Ml 1.45

Error ellipse:

	Azim	Dip	Mag
Max:	99	86	2.9700
Intermediate:	334	1	0.3600
Min:	244	3	0.1000

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250740 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3796 1.6 km from Lavdari i Korcës, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/09	22:54:09.56		0.14	40.5910	20.6405				10.0	1.7	5	6	218	0.12	1.08	m	
3908																	

Magnitude	Err	Nsta	Author	OrigID
Ml 1.6	0.0	1		3908

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.12	73.0	S	22:54:13.669	0.1											46648
KBN	0.12	73.0	P	22:54:11.671	-0.2											46647
KBN	0.12	73.0	AMl	22:54:15.950								0.6	0.32	a	Ml 1.6	21620
SRN	0.86	215.0	Sg	22:54:39.597	-0.1											46650
SRN	0.86	215.0	Pg	22:54:26.986	0.2											46649
IGT	1.08	193.0	Sg	22:54:46.430	0.0											46652
IGT	1.08	193.0	P	22:54:29.733	-0.9											46651

DATA_TYPE COMMENT GSE2.1
Event 3796

Official Magnitude:
Ml 1.59

Error ellipse:

	Azim	Dip	Mag
Max:	333	39	2.6100
Intermediate:	118	44	1.0500
Min:	227	19	0.2700

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1598250740 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3797 1.8 km from Lavdar, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID	2020/07/09 23:19:18.78		0.23	40.5845	20.6547				6.4	15.8	7	4	136	0.11	1.11	m	
3909																	

Magnitude	Err	Nsta	Author	OrigID
M1	1.7	0.0	2	3909

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.11	68.0	Sg	23:19:22.216	0.0									m		46654
KBN	0.11	68.0	P	23:19:20.108	-0.6									m		46653
KBN	0.11	68.0	AM1	23:19:24.280								0.6	0.34	a	M1	1.5
SRN	0.86	216.0	Sg	23:19:48.635	-0.3									m		46656
SRN	0.86	216.0	P	23:19:36.187	0.2									m		46655
IGT	1.08	194.0	Sg	23:19:55.839	0.3									m		46658
IGT	1.08	194.0	P	23:19:39.589	-0.2									m		46657
IGT	1.08	194.0	AM1	23:20:17.140								0.1	0.72	a	M1	1.8
PHP	1.11	352.0	P	23:19:40.978	0.9									m		46660
PHP	1.11	352.0	Sg	23:19:56.103	0.1									m		46659

DATA_TYPE COMMENT GSE2.1
 Event 3797

Official Magnitude:
 M1 1.66

Error ellipse:

	Azim	Dip	Mag
Max:	95	86	15.8500
Intermediate:	298	3	0.6600
Min:	208	2	0.3300

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1598250740 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3798 1.3 km from Lavdar, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2020/07/09	23:19:18.83		0.43	40.5893	20.6568				2.0	4.7	7	5	136	0.11	1.11	m	
3910																	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.5	0.0	2	3910

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.11	70.0	Sg	23:19:21.852	-0.2					---				m		46662
KBN	0.11	70.0	Pg	23:19:19.971	-0.7					---				m		46661
KBN	0.11	70.0	AMl	23:19:24.280						---		0.6	0.34	a	Ml	1.5
SRN	0.87	216.0	Pg	23:19:36.102	-0.4					---				m		46664
SRN	0.87	216.0	Sg	23:19:48.527	-1.2					---				m		46663
IGT	1.09	194.0	Sg	23:19:57.048	0.7					---				m		46666
IGT	1.09	194.0	Pg	23:19:39.921	-0.4					---				m		46665
IGT	1.09	194.0	AMl	23:19:58.980						---		0.0	0.80	a	Ml	1.5
PHP	1.11	352.0	P	23:19:40.626	0.3					---				m		46668
PHP	1.11	352.0	Sg	23:19:56.265	-0.3					---				m		46667

DATA_TYPE COMMENT GSE2.1
Event 3798

Official Magnitude:
Ml 1.46

Error ellipse:

	Azim	Dip	Mag
Max:	97	61	5.3100
Intermediate:	304	26	0.9900
Min:	208	11	0.6800

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250740 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3799 1.1 km from Shijan, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2020/07/10	09:51:17.59		0.48	40.3263	20.4770				13.7	3.6	12	31	136	0.38	1.92	m	
3911																	

Magnitude	Err	Nsta	Author	OrigID
Ml	3.2	0.0	2	3911

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

KBN	0.38	38.0	Sg	09:51:30.955	0.6	---	m_	46670
KBN	0.38	38.0	Pg	09:51:24.353	-0.5	---	md_	46669
SRN	0.58	220.0	Sg	09:51:38.667	0.4	---	m_	46672
SRN	0.58	220.0	Pg	09:51:28.834	-0.6	---	mc_	46671
VLO	0.76	282.0	Pn	09:51:32.045	0.2	---	m_	46673
IGT	0.80	189.0	Sg	09:51:45.628	0.6	---	m_	46675
IGT	0.80	189.0	Pg	09:51:32.862	-0.4	---	m_	46674
TIR	1.12	336.0	Sg	09:51:58.108	2.9	---	m_	46677
TIR	1.12	336.0	Pg	09:51:39.397	0.3	---	m_	46676
TIR	1.12	336.0	AMl	09:52:04.100		---	1.1 0.72 a_ Ml 2.9	21625
PHP	1.36	359.0	S	09:52:04.461	2.5	---	m_	46679
PHP	1.36	359.0	P	09:51:43.053	0.1	---	m_	46678
PHP	1.36	359.0	AMl	09:52:08.660		---	2.7 0.56 a_ Ml 3.5	21626
LKD2	1.54	174.0	Sn	09:52:08.604	0.4	---	m_	46681
LKD2	1.54	174.0	Pn	09:51:45.746	-0.8	---	m_	46680
SDA	1.87	338.0	Pn	09:51:52.022	-0.3	---	m_	46682
THE	1.92	80.0	Pn	09:51:48.330	-4.7	---	m_	46683

DATA_TYPE COMMENT GSE2.1
Event 3799

Official Magnitude:
Ml 3.22

Error ellipse:

	Azim	Dip	Mag
Max:	75	74	3.7700
Intermediate:	288	12	1.5700
Min:	196	8	0.7100

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250739 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3800 1.7 km from Gjanç, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID	2020/07/10	15:43:06.07	0.10	40.5362	20.6648				2.2	0.8	16	11	135	0.13	1.75	m	
3912																	

Magnitude	Err	Nsta	Author	OrigID
Ml	3.4	0.0	1	3912

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.13	46.0	S	15:43:10.149	0.0									m_		46685
KBN	0.13	46.0	P	15:43:08.399	0.0									m_		46684

KBN	0.13	46.0	AM1	15:43:11.020	_____	44.4	0.28	a	_____	M1	3.4	21627
SRN	0.83	219.0	S	15:43:35.514	-0.2	_____		m	_____			46687
SRN	0.83	219.0	P	15:43:23.005	0.0	_____		m	_____			46686
VLO	0.89	267.0	S	15:43:43.990	8.1	_____		m	_____			46689
VLO	0.89	267.0	P	15:43:25.888	2.8	_____		m	_____			46688
TIR	1.01	324.0	S	15:43:41.397	0.3	_____		m	_____			46691
TIR	1.01	324.0	P	15:43:26.187	0.1	_____		m	_____			46690
IGT	1.04	195.0	S	15:43:42.060	0.2	_____		m	_____			46693
IGT	1.04	195.0	P	15:43:26.506	-0.0	_____		m	_____			46692
KEK	1.06	220.0	S	15:43:43.164	0.5	_____		m	_____			46697
KEK	1.06	220.0	P	15:43:26.897	-0.1	_____		m	_____			46696
KEK	1.06	220.0	S	15:43:42.809	0.2	_____		m	_____			46695
KEK	1.06	220.0	P	15:43:26.945	-0.0	_____		m	_____			46694
LKD2	1.74	181.0	S	15:44:04.445	-0.2	_____		m	_____			46699
LKD2	1.74	181.0	P	15:43:39.586	0.1	_____		m	_____			46698
SDA	1.75	331.0	S	15:44:04.836	0.1	_____		m	_____			46701
SDA	1.75	331.0	P	15:43:39.473	-0.2	_____		m	_____			46700

DATA_TYPE COMMENT GSE2.1
Event 3800

Official Magnitude:
M1 3.37

Error ellipse:

	Azim	Dip	Mag
Max:	85	65	0.8700
Intermediate:	291	22	0.2600
Min:	197	10	0.1500

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250739 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3801 7 km from Qarrishtë, Elbasan, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID	2020/07/11	15:02:46.78		0.03	41.2065	20.4507			7.0	2.1	6	7	156	0.47	1.11	m	
3913																	

Magnitude	Err	Nsta	Author	OrigID
M1	1.7	0.0	3	3913

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.46	288.0	S	15:03:02.873	-0.0					_____				m		46703
TIR	0.46	288.0	P	15:02:56.003	0.0					_____				m		46702

PHP	0.48	0.0	P	15:02:56.253	0.0	---												m		46708
PHP	0.48	0.0	S	15:03:02.904	0.0	---												m		46704
PHP	0.48	0.0	AM1	15:03:06.958		---						0.2	0.16	a	M1	1.5				21628
KBN	0.64	156.0	S	15:03:07.858	-0.0	---												m		46705
KBN	0.64	156.0	AM1	15:03:15.338		---						0.2	0.54	a	M1	1.7				21629
SDA	1.11	321.0	S	15:03:24.402	0.0	---												m		46707
SDA	1.11	321.0	P	15:03:08.205	-0.1	---												m		46706
SDA	1.11	321.0	AM1	15:03:29.418		---						0.1	0.34	a	M1	1.7				21630

DATA_TYPE COMMENT GSE2.1
Event 3801

Official Magnitude:
M1 1.67

Error ellipse:

	Azim	Dip	Mag
Max:	209	89	2.0900
Intermediate:	245	0	0.1400
Min:	335	1	0.0800

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250739 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3802 2.2 km from Fushë Brrati, Vlorë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2020/07/11	20:09:09.91		0.05	40.1595	19.7920				7.8	0.6	7	6	327	0.32	1.52	m	
3914																	

Magnitude	Err	Nsta	Author	OrigID
M1	1.4	0.0	3	3914

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
SRN	0.32	150.0	S	20:09:21.827	-0.1											m	46710
SRN	0.32	150.0	P	20:09:16.783	-0.0											m	46709
SRN	0.32	150.0	AM1	20:09:23.040								0.3	0.38	a	M1	1.4	21631
KEK	0.45	179.0	S	20:09:25.440	-0.0											m	46712
KEK	0.45	179.0	P	20:09:18.795	0.0											m	46711
IGT	0.75	146.0	S	20:09:35.825	0.2											m	46714
IGT	0.75	146.0	P	20:09:25.128	0.5											m	46713
IGT	0.75	146.0	AM1	20:09:41.540								0.1	0.28	a	M1	1.4	21632
LKD2	1.52	153.0	S	20:10:00.652	-0.0											m	46715
LKD2	1.52	153.0	AM1	20:10:05.160								0.1	0.48	a	M1	2.1	21633

DATA_TYPE COMMENT GSE2.1
Event 3802

Official Magnitude:
Ml 1.44

Error ellipse:

	Azim	Dip	Mag
Max:	340	75	0.6100
Intermediate:	203	10	0.3500
Min:	111	10	0.2600

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250739 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3804 1.8 km from Rrotull, Durrës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/12	18:10:08.33		0.02	41.5202	19.5328				7.0	1.5	5	10	234	0.31	0.70	m	
3916																	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.2	0.0	3	3916

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.30	0.0	P	18:10:15.938	0.0					___						46731
TIR	0.30	124.0	S	18:10:19.145	0.1					___						46726
TIR	0.30	124.0	AMl	18:10:20.300						___		0.2	0.20	a___	Ml	1.2
SDA	0.53	358.0	S	18:10:26.741	0.0					___						46728
SDA	0.53	358.0	P	18:10:18.841	0.0					___						46727
SDA	0.53	358.0	AMl	18:10:28.960						___		0.1	0.22	a___	Ml	1.1
PHP	0.70	76.0	S	18:10:31.894	0.1					___						46730
PHP	0.70	76.0	P	18:10:21.755	-0.0					___						46729
PHP	0.70	76.0	AMl	18:10:35.550						___		0.1	0.30	a___	Ml	1.4

DATA_TYPE COMMENT GSE2.1
Event 3804

Official Magnitude:
Ml 1.23

Error ellipse:

	Azim	Dip	Mag
Max:	230	87	1.4900
Intermediate:	43	2	0.2000

Min: 133 0 0.0600

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250739 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3805 0.8 km from Gramza, Durrës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/12	21:55:58.17		0.22	41.5295	19.6553				44.9	1.9	14	8	161	0.53	2.06	m	
3917																	

Magnitude	Err	Nsta	Author	OrigID
M1	2.6	0.0	6	3917

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.23	0.0	P	21:56:01.687	0.0					___				m		46747
TIR	0.24	138.0	S	21:56:07.246	-5.3					___				m		46732
TIR	0.24	138.0	AM1	21:56:06.210						___		3.5	0.18	a	M1	21641
SDA	0.53	348.0	S	21:56:19.275	0.3					___				m		46734
SDA	0.53	348.0	P	21:56:09.727	-0.3					___				m		46733
SDA	0.53	348.0	AM1	21:56:26.680						___		0.4	0.22	a	M1	21642
PHP	0.61	74.0	S	21:56:20.325	-0.0					___				m		46736
PHP	0.61	74.0	P	21:56:10.756	-0.1					___				m		46735
PHP	0.61	74.0	AM1	21:56:24.780						___		0.9	0.22	a	M1	21643
VLO	1.07	187.0	S	21:56:31.303	-0.7					___				m		46738
VLO	1.07	187.0	P	21:56:17.619	0.1					___				m		46737
VLO	1.07	187.0	AM1	21:56:41.450						___		0.8	0.28	a	M1	21644
KBN	1.25	136.0	S	21:56:37.552	0.2					___				m		46740
KBN	1.25	136.0	P	21:56:20.691	0.1					___				m		46739
KBN	1.25	136.0	AM1	21:56:42.050						___		0.4	0.66	a	M1	21645
SRN	1.67	170.0	S	21:56:48.940	-0.8					___				m		46742
SRN	1.67	170.0	P	21:56:27.808	0.2					___				m		46741
SRN	1.67	170.0	AM1	21:56:54.280						___		0.2	0.60	a	M1	21646
KEK	1.82	176.0	S	21:56:52.912	0.0					___				m		46744
KEK	1.82	176.0	P	21:56:29.242	-0.2					___				m		46743
IGT	2.06	165.0	S	21:56:59.254	0.1					___				m		46746
IGT	2.06	165.0	P	21:56:32.458	-0.6					___				m		46745

DATA_TYPE COMMENT GSE2.1
Event 3805

Official Magnitude:
M1 2.57

Error ellipse:

	Azim	Dip	Mag
Max:	355	65	2.0300
Intermediate:	92	2	0.7100
Min:	183	25	0.3900

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250739 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3808 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/15	06:32:29.72		0.35	40.5177	20.9972				4.1	2.2	14	9	104	0.19	1.90	m	
3922																	

Magnitude	Err	Nsta	Author	OrigID
Ml	3.7	0.0	6	3922

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.19	304.0	Sg	06:32:36.455	0.2									m		46801
KBN	0.19	304.0	P	06:32:33.999	0.6									m		46800
KBN	0.19	304.0	AMl	06:32:37.380								120.8	0.28	a	Ml	3.9
SRN	0.99	231.0	S	06:33:04.258	-0.3									m		46803
SRN	0.99	231.0	P	06:32:47.170	-2.4									m		46802
IGT	1.11	208.0	Sg	06:33:07.773	0.0									m		46805
IGT	1.11	208.0	Pg	06:32:49.934	-1.5									m		46804
VLO	1.15	269.0	Sg	06:33:08.164	0.4									m		46807
VLO	1.15	269.0	Pg	06:32:50.909	-0.5									m		46806
VLO	1.15	269.0	AMl	06:33:14.620								26.6	0.52	a	Ml	4.3
TIR	1.19	0.0	Pg	06:32:52.452	0.0									m		46817
TIR	1.19	315.0	S	06:33:10.603	0.1									m		46808
TIR	1.19	315.0	AMl	06:33:17.340								2.9	0.56	a	Ml	3.4
PHP	1.24	341.0	S	06:33:11.395	-0.2									m		46810
PHP	1.24	341.0	Pg	06:32:53.331	-0.3									m		46809
PHP	1.24	341.0	AMl	06:33:20.240								6.4	0.76	a	Ml	3.8
THE	1.50	85.0	Sn	06:33:20.636	0.3									m		46812
THE	1.50	85.0	P	06:33:00.172	1.5									m		46811
THE	1.50	85.0	AMl	06:33:23.880								0.8	0.66	a	Ml	3.1
LKD2	1.75	189.0	Sn	06:33:28.168	0.2									m		46814
LKD2	1.75	189.0	P	06:33:02.826	-0.2									m		46813
SDA	1.90	325.0	Sg	06:33:33.060	0.2									m		46816
SDA	1.90	325.0	Pg	06:33:04.901	-0.9									m		46815
SDA	1.90	325.0	AMl	06:33:44.330								1.7	1.16	a	Ml	3.7

DATA_TYPE COMMENT GSE2.1
Event 3808

Official Magnitude:

Ml 3.72

Error ellipse:

	Azim	Dip	Mag
Max:	292	87	2.2500
Intermediate:	81	2	0.6100
Min:	171	2	0.4500

BEGIN GSE2.1

MSG_TYPE DATA

MSG_ID 1598250739 athena

DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3810 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2020/07/15	08:34:34.08		0.10	41.5632	20.1263				7.0	7.9	5	5	161	0.26	0.68	m	
3924																	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.7	0.0	3	3924

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
PHP	0.26	0.0	Pg	08:34:38.800	0.0					---				m		46835
PHP	0.27	62.0	Sg	08:34:43.040	-0.0					---				m		46830
PHP	0.27	62.0	AM1	08:34:44.928						---		0.8	0.12	a	M1	21675
TIR	0.29	223.0	Sg	08:34:44.424	-0.0					---				m		46832
TIR	0.29	223.0	Pg	08:34:39.664	-0.4					---				m		46831
TIR	0.29	223.0	AM1	08:34:45.298						---		0.2	0.34	a	M1	21676
SDA	0.68	317.0	Sg	08:34:57.290	-0.1					---				m		46834
SDA	0.68	317.0	Pg	08:34:47.574	0.2					---				m		46833
SDA	0.68	317.0	AM1	08:34:58.218						---		0.1	0.22	a	M1	21677

DATA_TYPE COMMENT GSE2.1

Event 3810

Official Magnitude:

Ml 1.65

Error ellipse:

	Azim	Dip	Mag
Max:	136	88	7.9200
Intermediate:	328	1	0.2800
Min:	58	0	0.2000

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1598250738 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3814 2.0 km from Sinicë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID	2020/07/16	18:41:58.81		0.39	40.5325	20.8758			14.2	1.1	13	9	201	0.12	1.84	m	
3928																	

Magnitude	Err	Nsta	Author	OrigID
M1	3.2	0.0	5	3928

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.11	324.0	Sg	18:42:03.351	-0.1									m		46859
KBN	0.11	324.0	Pg	18:42:01.739	0.3									m		46858
KBN	0.11	324.0	AM1	18:42:04.500								157.1	0.26	a	M1	4.1
SRN	0.93	227.0	Sg	18:42:30.853	-0.3									m		46861
SRN	0.93	227.0	Pg	18:42:16.800	-0.5									m		46860
SRN	0.93	227.0	AM1	18:42:32.850								1.1	0.38	a	M1	2.8
VLO	1.05	267.0	Sg	18:42:33.357	0.3									m		46863
VLO	1.05	267.0	Pg	18:42:19.856	1.5									m		46862
VLO	1.05	267.0	AM1	18:42:41.610								10.5	0.42	a	M1	3.9
IGT	1.08	203.0	Sg	18:42:34.215	-1.0									m		46865
IGT	1.08	203.0	Pg	18:42:19.710	0.1									m		46864
TIR	1.12	0.0	Pg	18:42:19.794	0.0									m		46873
TIR	1.12	318.0	Sg	18:42:37.006	0.8									m		46866
TIR	1.12	318.0	AM1	18:42:43.040								1.5	0.70	a	M1	3.1
PHP	1.20	345.0	Sg	18:42:37.694	-0.5									m		46868
PHP	1.20	345.0	Pg	18:42:21.260	-0.1									m		46867
PHP	1.20	345.0	AM1	18:42:41.920								2.0	0.50	a	M1	3.2
LKD2	1.75	186.0	Sn	18:42:57.566	1.7									m		46870
LKD2	1.75	186.0	Pn	18:42:32.041	0.6									m		46869
SDA	1.84	327.0	Sg	18:42:58.270	-0.2									m		46872
SDA	1.84	327.0	Pg	18:42:32.829	-0.0									m		46871

DATA_TYPE COMMENT GSE2.1
 Event 3814

Official Magnitude:
 M1 3.23

Error ellipse:

	Azim	Dip	Mag
Max:	94	6	1.4000
Intermediate:	261	82	1.0700

Min: 4 2 0.6100

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250738 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3815 3.2 km from Dardhë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/16	18:46:51.77		0.57	40.5468	20.8313				14.4	1.4	14	8	115	0.08	1.81	m	
3929																	

Magnitude	Err	Nsta	Author	OrigID
M1	2.8	0.0	3	3929

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
KBN	0.08	337.0	Sg	18:46:56.185	0.4					___				m		46875	
KBN	0.08	337.0	Pg	18:46:54.072	0.0					___				m		46874	
SRN	0.92	224.0	Sg	18:47:23.254	-0.5					___				m		46877	
SRN	0.92	224.0	P	18:47:09.134	-0.9					___				m		46876	
VLO	1.02	267.0	Sg	18:47:26.776	1.8					___				m		46879	
VLO	1.02	267.0	Pg	18:47:11.716	1.0					___				m		46878	
IGT	1.08	201.0	Sg	18:47:28.878	0.7					___				m		46882	
IGT	1.08	201.0	P	18:47:11.513	-1.1					___				m		46881	
TIR	1.09	0.0	Pg	18:47:12.543	0.0					___				m		46889	
TIR	1.08	318.0	Sg	18:47:28.555	0.4					___				m		46880	
TIR	1.08	318.0	AM1	18:47:36.170						___		0.7	0.72	a	M1	2.7	21687
PHP	1.17	346.0	Sg	18:47:29.837	-0.6					___				m		46884	
PHP	1.17	346.0	P	18:47:13.120	-0.7					___				m		46883	
PHP	1.17	346.0	AM1	18:47:34.590						___		0.7	0.44	a	M1	2.8	21688
THE	1.63	86.0	Sn	18:47:44.780	-0.2					___				m		46886	
THE	1.63	86.0	P	18:47:22.774	0.6					___				m		46885	
SDA	1.81	327.0	Sg	18:47:50.942	0.4					___				m		46888	
SDA	1.81	327.0	Pg	18:47:25.163	-0.2					___				m		46887	
SDA	1.81	327.0	AM1	18:47:59.480						___		0.3	0.62	a	M1	2.9	21689

DATA_TYPE COMMENT GSE2.1
Event 3815

Official Magnitude:
M1 2.78

Error ellipse:

	Azim	Dip	Mag
Max:	275	83	1.4100
Intermediate:	94	6	1.0900

Min: 184 0 0.8700

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250738 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3816 1.3 km from Qafë-Murrë, Dibër, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/16	22:49:12.77		0.03	41.6450	20.2103				7.0	2.4	4	5	146	0.18	1.06	m	
3930																	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.4	0.0	3	3930

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
PHP	0.18	0.0	P	22:49:15.584	0.0					___				m		46896
PHP	0.18	76.0	S	22:49:18.827	0.0					___				m		46890
PHP	0.18	76.0	AMl	22:49:19.648						___		0.3	0.12	a	Ml	1.4
TIR	0.39	222.0	S	22:49:24.231	-2.4					___				m		46892
TIR	0.39	222.0	P	22:49:20.664	0.0					___				m		46891
TIR	0.39	222.0	AMl	22:49:28.398						___		0.1	0.30	a	Ml	1.1
SDA	0.67	308.0	P	22:49:25.946	0.0					___				m		46893
SDA	0.67	308.0	AMl	22:49:39.018						___		0.1	0.22	a	Ml	1.6
PDG	1.06	319.0	S	22:49:51.246	2.6					___				m		46895
PDG	1.06	319.0	P	22:49:32.993	-0.3					___				m		46894

DATA_TYPE COMMENT GSE2.1
Event 3816

Official Magnitude:
Ml 1.37

Error ellipse:

	Azim	Dip	Mag
Max:	95	86	2.4400
Intermediate:	277	3	0.1300
Min:	7	0	0.1100

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250738 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3817 1.2 km from Rakovë, Berat, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID	2020/07/17	02:13:34.04	0.07	40.7023	19.8248				7.5	0.7	9	10	227	0.34	1.78	m	
3931																	

Magnitude	Err	Nsta	Author	OrigID
M1	1.8	0.0	3	3931

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
VLO	0.34	228.0	S	02:13:45.003	0.1					___				m		46898
VLO	0.34	228.0	P	02:13:40.247	0.0					___				m		46897
VLO	0.34	228.0	AM1	02:13:49.520						___		2.1	0.28	a	M1	21693
TIR	0.64	0.0	P	02:13:47.591	0.0					___				m		46908
TIR	0.65	2.0	S	02:13:56.854	0.6					___				m		46899
TIR	0.65	2.0	AM1	02:14:01.070						___		0.1	0.20	a	M1	21694
KBN	0.74	95.0	S	02:13:58.549	0.1					___				m		46901
KBN	0.74	95.0	P	02:13:47.987	-0.0					___				m		46900
KBN	0.74	95.0	AM1	02:14:02.470						___		0.2	0.48	a	M1	21695
SRN	0.83	170.0	P	02:13:50.776	0.1					___				m		46902
KEK	0.99	182.0	S	02:14:07.700	-0.1					___				m		46904
KEK	0.99	182.0	P	02:13:53.197	-0.1					___				m		46903
IGT	1.23	161.0	S	02:14:15.679	-0.1					___				m		46906
IGT	1.23	161.0	P	02:13:57.895	0.0					___				m		46905
PDG	1.78	347.0	S	02:14:32.438	-0.2					___				m		46907

DATA_TYPE COMMENT GSE2.1
Event 3817

Official Magnitude:
M1 1.79

Error ellipse:

	Azim	Dip	Mag
Max:	332	70	0.7500
Intermediate:	158	19	0.3300
Min:	67	2	0.1700

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250738 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3818 2.0 km from Rreja e Velës, Lezhë, Albania

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

2020/07/18 04:24:14.43 0.25 41.8342 19.7598 7.0 16.1 7 7 148 0.29 0.70 m
3932

Magnitude Err Nsta Author OrigID
M1 1.9 0.0 3 3932

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
SDA	0.29	318.0	Pg	04:24:20.084	-0.3					___				m		46910
SDA	0.29	318.0	Sg	04:24:25.044	0.2					___				m		46909
SDA	0.29	318.0	AM1	04:24:25.648						___		0.8	0.32	a	M1 1.9	21696
TIR	0.51	0.0	Pg	04:24:25.753	0.0					___				m		46916
TIR	0.49	170.0	Sg	04:24:31.642	0.1					___				m		46911
TIR	0.49	170.0	AM1	04:24:34.408						___		0.2	0.24	a	M1 1.6	21697
PHP	0.53	106.0	Sg	04:24:32.559	0.2					___				m		46913
PHP	0.53	106.0	Pg	04:24:24.264	-0.4					___				m		46912
PHP	0.53	106.0	AM1	04:24:34.468						___		0.5	0.26	a	M1 2.0	21698
PDG	0.70	329.0	S	04:24:38.793	0.3					___				m		46915
PDG	0.70	329.0	P	04:24:27.948	-0.2					___				m		46914

DATA_TYPE COMMENT GSE2.1
Event 3818

Official Magnitude:
M1 1.92

Error ellipse:

	Azim	Dip	Mag
Max:	226	89	16.0700
Intermediate:	230	0	1.0300
Min:	320	0	0.4100

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250738 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3821 1.1 km from Drizallaj, Elbasan, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/19	01:30:45.55		0.43	41.2260	20.2722				2.0	3.4	10	32	131	0.33	1.69	m	
3935																	

Magnitude Err Nsta Author OrigID
M1 1.6 0.0 3 3935

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.32	0.0	Pg	01:30:52.044	0.0					___				m		46951

TIR	0.33	292.0	Sg	01:30:58.369	0.5	---											m		46940			
TIR	0.33	292.0	AMl	01:30:58.598		---											0.3	0.20	a	Ml	1.6	21706
TIR	0.33	292.0	AMl	01:30:59.148		---											0.3	0.16	a	Ml	1.5	21705
PHP	0.48	15.0	Sg	01:31:03.138	1.0	---																46942
PHP	0.48	15.0	Pg	01:30:54.632	-0.4	---																46941
PHP	0.48	15.0	AMl	01:31:07.008		---											0.1	0.20	a	Ml	1.3	21707
KBN	0.72	146.0	Pg	01:30:59.642	0.2	---																46944
KBN	0.72	146.0	Sn	01:31:09.982	0.0	---																46943
SDA	1.01	326.0	Sg	01:31:19.889	-0.6	---																46946
SDA	1.01	326.0	Pg	01:31:04.726	-0.8	---																46945
SDA	1.01	326.0	AMl	01:31:23.998		---											0.1	0.24	a	Ml	1.6	21709
SDA	1.01	326.0	AMl	01:31:23.448		---											0.1	0.16	a	Ml	1.6	21708
PDG	1.42	329.0	Sg	01:31:34.260	0.2	---																46948
PDG	1.42	329.0	Pg	01:31:11.825	-1.4	---																46947
IGT	1.69	178.0	Sn	01:31:42.155	-0.4	---																46950
IGT	1.69	178.0	Pn	01:31:18.086	-0.0	---																46949

DATA_TYPE COMMENT GSE2.1
Event 3821

Official Magnitude:
Ml 1.57

Error ellipse:

	Azim	Dip	Mag
Max:	67	78	3.4500
Intermediate:	241	11	1.2800
Min:	331	1	0.5400

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250737 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3822 4.6 km from Mullini i Danit, Durrës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2020/07/19	04:56:45.50		0.73	41.5002	19.4780				23.3	7.5	14	32	101	0.33	2.07	m	
3936																	

Magnitude	Err	Nsta	Author	OrigID
Ml	3.2	0.0	5	3936

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
TIR	0.32	0.0	Pg	04:56:52.316	0.0											46969	
TIR	0.33	117.0	Sg	04:56:57.638	-0.3											46952	
TIR	0.33	117.0	AMl	04:56:57.148								12.1	0.34	a	Ml	3.2	21710

SDA	0.55	1.0	Sg	04:57:05.924	1.2
SDA	0.55	1.0	Pg	04:56:56.011	-0.5
SDA	0.55	1.0	AMl	04:57:08.138	
PHP	0.75	75.0	Sg	04:57:10.556	0.2
PHP	0.75	75.0	Pg	04:56:59.052	-0.6
PHP	0.75	75.0	AMl	04:57:16.128	
PDG	0.94	351.0	Sg	04:57:16.905	-0.1
PDG	0.94	351.0	Pg	04:57:02.872	-0.6
VLO	1.03	179.0	Sg	04:57:21.574	3.1
VLO	1.03	179.0	Pg	04:57:07.071	2.7
VLO	1.03	179.0	AMl	04:57:27.508	
KBN	1.32	131.0	Sg	04:57:28.518	0.6
KBN	1.32	131.0	Pg	04:57:10.982	1.3
SRN	1.67	166.0	Sg	04:57:40.116	0.5
SRN	1.67	166.0	Pg	04:57:15.231	-1.2
NOCI	1.96	250.0	Sn	04:57:47.513	0.8
NOCI	1.96	250.0	Pn	04:57:20.138	-0.3
NOCI	1.96	250.0	AMl	04:57:59.088	
IGT	2.07	161.0	Sn	04:57:44.970	-4.7
IGT	2.07	161.0	Pn	04:57:21.343	-0.8

---				m													46954
---				m													46953
---	3.0	0.32	a	Ml		2.8											21711
---			m														46956
---			m														46955
---	3.2	0.78	a	Ml		3.1											21712
---			m														46958
---			m														46957
---			m														46960
---			m														46959
---	5.8	0.28	a	Ml		3.6											21713
---			m														46962
---			m														46961
---			m														46964
---			m														46963
---			m														46966
---			m														46965
---	0.8	0.28	a	Ml		3.4											21714
---			m														46968
---			m														46967

DATA_TYPE COMMENT GSE2.1
Event 3822

Official Magnitude:
Ml 3.19

Error ellipse:

	Azim	Dip	Mag
Max:	53	68	8.0900
Intermediate:	251	20	1.3600
Min:	159	6	1.0700

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250737 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3823 4.4 km from Mullini i Danit, Durrës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2020/07/19	09:43:57.33		0.21	41.4728	19.4945				10.4	1.9	9	10	137	0.31	1.96	m	
3937																	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.2	0.0	3	3937

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.30	0.0	Pg	09:44:04.247	0.0					___						46979
TIR	0.31	114.0	Sg	09:44:08.402	0.1					___						46970
TIR	0.31	114.0	AMl	09:44:09.020						___		2.1	0.58	a___	Ml	2.3
SDA	0.58	0.0	Sg	09:44:17.188	-0.1					___						46972
SDA	0.58	0.0	Pg	09:44:07.927	-0.8					___						46971
SDA	0.58	0.0	AMl	09:44:19.080						___		0.5	0.20	a___	Ml	2.1
PHP	0.74	73.0	Sg	09:44:22.336	0.1					___						46974
PHP	0.74	73.0	Pg	09:44:11.044	-0.5					___						46973
PHP	0.74	73.0	AMl	09:44:24.800						___		0.4	0.16	a___	Ml	2.2
PDG	0.97	350.0	Sg	09:44:30.722	0.3					___						46976
PDG	0.97	350.0	Pg	09:44:16.231	-0.0					___						46975
NOCI	1.96	251.0	Sn	09:45:00.899	0.0					___						46978
NOCI	1.96	251.0	Pn	09:44:34.414	0.8					___						46977

DATA_TYPE COMMENT GSE2.1
Event 3823

Official Magnitude:
Ml 2.17

Error ellipse:

	Azim	Dip	Mag
Max:	53	63	2.1700
Intermediate:	199	22	0.4000
Min:	295	14	0.3300

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250737 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3824 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2020/07/19	16:18:13.68		0.08	41.2373	19.4307				7.0	6.5	5	8	283	0.34	1.20	m	
3938																	

Magnitude	Err	Nsta	Author	OrigID
Md	2.3	0.0	2	3938
Ml	1.6	0.0	2	3938

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.35	71.0	S	16:18:25.307	-0.6					___						46981
TIR	0.35	71.0	P	16:18:20.724	0.1					___						46980
TIR	0.35	71.0	AMd	16:18:41.329						___		0.0	20.60	a___	Md	1.9
TIR	0.35	71.0	AMl	16:18:25.950						___		0.3	0.18	a___	Ml	1.5

TIR	0.35	71.0	AMl	16:18:26.610	
SDA	0.81	3.0	S	16:18:41.576	0.1
SDA	0.81	3.0	P	16:18:29.459	-0.1
SDA	0.81	3.0	AMd	16:19:13.658	
PHP	0.88	0.0	P	16:18:29.505	0.0
PHP	0.88	59.0	S	16:18:43.173	-0.1
PHP	0.88	59.0	AMl	16:18:47.220	
PDG	1.20	354.0	S	16:18:54.341	-0.0

0.5	0.14	a	Ml	1.7	21720
		m			46983
		m			46982
0.0	44.20	a	Md	2.6	21719
		m			46986
		m			46984
0.1	0.36	a	Ml	1.6	21722
		m			46985

DATA_TYPE COMMENT GSE2.1
Event 3824

Official Magnitude:
Ml 1.59

Error ellipse:

	Azim	Dip	Mag
Max:	196	88	6.5100
Intermediate:	38	1	0.6500
Min:	308	1	0.2700

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250737 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3825 3.2 km from Shelk, Tirana, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/19	17:41:47.38		0.25	41.0388	19.4515				12.9	2.9	5	4	307	0.44	1.40	m	
3939																	

Magnitude	Err	Nsta	Author	OrigID
Md	2.4	0.0	2	3939
Ml	1.8	0.0	3	3939

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.18	0.0	P	17:42:00.464	0.0									m		46993
TIR	0.44	45.0	S	17:42:02.831	0.0									m		46987
TIR	0.44	45.0	AMl	17:42:05.870								0.4	0.16	a	Ml	21726
TIR	0.44	45.0	AMl	17:42:04.140								0.6	0.12	a	Ml	21725
PHP	0.98	48.0	S	17:42:20.400	0.1									m		46989
PHP	0.98	48.0	P	17:42:06.162	-0.1									m		46988
PHP	0.98	48.0	AMd	17:42:48.837								0.0	42.67	a	Md	21723
PHP	0.98	48.0	AMl	17:42:25.000								0.1	0.24	a	Ml	21727
SDA	1.01	1.0	S	17:42:21.245	-0.4									m		46991
SDA	1.01	1.0	P	17:42:11.694	4.7									m		46990

SDA	1.01	1.0	AMd	17:42:38.405	_____	0.0	26.71	a__	Md	2.2	21724
SDA	1.01	1.0	AMl	17:42:22.090	_____	0.0	0.24	a__	Ml	1.3	21728
PDG	1.40	355.0	S	17:42:33.977	_____			m__			46992

DATA_TYPE COMMENT GSE2.1
Event 3825

Official Magnitude:
Ml 1.83

Error ellipse:

	Azim	Dip	Mag
Max:	83	61	3.3000
Intermediate:	199	12	2.4400
Min:	295	25	0.9300

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250737 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3826 4.3 km from Vrepcckë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2020/07/19	22:23:45.16		0.16	40.1798	20.6520				4.5	1.3	9	8	166	0.46	1.51	m	
3940																	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.9	0.0	4	3940

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.46	13.0	Sg	22:24:02.490	2.1					_____				m__		46995
KBN	0.46	13.0	Pg	22:23:53.769	-0.1					_____				mc__		46994
KBN	0.46	13.0	AMl	22:24:05.800						_____		0.5	0.42	a__	Ml	21729
SRN	0.58	240.0	Sg	22:24:06.143	-0.0					_____				m__		46997
SRN	0.58	240.0	Pg	22:23:57.154	0.0					_____				m__		46996
SRN	0.58	240.0	AMl	22:24:08.250						_____		0.2	0.34	a__	Ml	21730
IGT	0.69	202.0	Sg	22:24:09.228	0.0					_____				m__		46999
IGT	0.69	202.0	Pg	22:23:57.946	-1.0					_____				m__		46998
IGT	0.69	202.0	AMl	22:24:16.140						_____		0.3	0.34	a__	Ml	21731
LKD2	1.39	179.0	Sn	22:24:32.127	-0.1					_____				m__		47001
LKD2	1.39	179.0	Pn	22:24:12.220	0.2					_____				m__		47000
PHP	1.51	354.0	Sg	22:24:35.568	0.1					_____				m__		47003
PHP	1.51	354.0	Pg	22:24:14.952	1.0					_____				m__		47002
PHP	1.51	354.0	AMl	22:24:53.190						_____		0.2	1.38	a__	Ml	21732

DATA_TYPE COMMENT GSE2.1

Event 3826

Official Magnitude:

Ml 1.92

Error ellipse:

	Azim	Dip	Mag
Max:	4	86	1.2900
Intermediate:	102	0	0.5400
Min:	192	4	0.2700

BEGIN GSE2.1

MSG_TYPE DATA

MSG_ID 1598250737 athena

DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3827 0.7 km from Rrushkull, Durrës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/19	23:31:03.95		0.10	41.4275	19.5210				29.5	0.9	5	9	252	0.27	1.02	m	
3941																	

Magnitude	Err	Nsta	Author	OrigID
Ml 1.9	0.0	3		3941

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.00	0.0	Pg	23:31:12.262	0.0					---						47011
TIR	0.27	107.0	Sg	23:31:16.025	-0.0					---						47004
TIR	0.27	107.0	AMl	23:31:16.620						---		1.1	0.48	a_	Ml 2.2	21734
TIR	0.27	107.0	AMl	23:31:16.610						---		0.6	0.44	a_	Ml 1.9	21733
SDA	0.62	359.0	Sg	23:31:25.812	-0.1					---						47006
SDA	0.62	359.0	Pg	23:31:16.633	0.1					---						47005
SDA	0.62	359.0	AMl	23:31:30.440						---		0.1	0.36	a_	Ml 1.3	21735
PHP	0.74	69.0	Sg	23:31:28.887	0.1					---						47008
PHP	0.74	69.0	Pg	23:31:18.011	-0.2					---						47007
PHP	0.74	69.0	AMl	23:31:35.380						---		0.2	0.42	a_	Ml 1.8	21736
PDG	1.02	350.0	Sn	23:31:40.714	2.8					---						47010
PDG	1.02	350.0	Pn	23:31:25.047	1.7					---						47009

DATA_TYPE COMMENT GSE2.1

Event 3827

Official Magnitude:

Ml 1.87

Error ellipse:

Azim	Dip	Mag
------	-----	-----

Max: 207 59 1.0400
Intermediate: 53 27 0.6600
Min: 317 12 0.2700

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250737 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3828 3.7 km from Shetaj, Durrës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/19	23:58:10.76		0.03	41.5475	19.4490				15.2	0.3	6	7	230	0.37	0.89	m	
3942																	

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.0	3	3942

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.00	0.0	Pg	23:58:18.365	0.0											47019
TIR	0.37	122.0	Sg	23:58:24.094	-0.0											47012
TIR	0.37	122.0	AMl	23:58:25.830								0.2	0.28	a	Ml	1.5
TIR	0.37	122.0	AMl	23:58:24.900								0.2	0.44	a	Ml	1.4
SDA	0.50	4.0	Sg	23:58:28.447	0.0											47014
SDA	0.50	4.0	Pg	23:58:20.302	-0.6											47013
SDA	0.50	4.0	AMl	23:58:32.160								0.1	0.18	a	Ml	1.2
SDA	0.50	4.0	AMl	23:58:30.390								0.1	0.30	a	Ml	1.2
PHP	0.76	79.0	Sg	23:58:36.138	-0.0											47016
PHP	0.76	79.0	Pg	23:58:24.826	-0.4											47015
PHP	0.76	79.0	AMl	23:58:38.470								0.1	0.18	a	Ml	1.5
PDG	0.89	352.0	Sn	23:58:41.081	-0.0											47018
PDG	0.89	352.0	Pn	23:58:28.123	0.0											47017

DATA_TYPE COMMENT GSE2.1
Event 3828

Official Magnitude:
ML 1.38

Error ellipse:

	Azim	Dip	Mag
Max:	90	73	0.3500
Intermediate:	228	12	0.1800
Min:	320	11	0.0600

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1598250737 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3831 1.0 km from Borçë, Durrës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/21	01:15:47.10		0.10	41.4177	19.5747				3.8	1.0	6	6	186	0.23	1.97	m	

3945

Magnitude	Err	Nsta	Author	OrigID
Ml	1.8	0.0	2	3945

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.23	107.0	Sg	01:15:55.766	0.0									m		47049
TIR	0.23	107.0	AMl	01:15:56.278								1.1	0.26	a	Ml	2.0
TIR	0.23	107.0	AMl	01:15:56.588								0.6	0.14	a	Ml	1.7
SDA	0.63	355.0	Pg	01:15:59.895	0.1									m		47050
PHP	0.70	0.0	Pg	01:16:00.261	0.0									mc		47057
PHP	0.70	67.0	Sg	01:16:11.007	-0.0									m		47051
PHP	0.70	67.0	AMl	01:16:13.408								0.2	0.48	a	Ml	1.8
PDG	1.04	348.0	Sn	01:16:22.778	0.0									m		47053
PDG	1.04	348.0	Pn	01:16:07.329	-0.1									m		47052
KBN	1.21	130.0	Pg	01:15:57.963	-10.0									m		47054
IGT	1.97	162.0	Sn	01:16:52.216	-0.0									m		47056
IGT	1.97	162.0	Pn	01:16:26.115	1.8									m		47055

DATA_TYPE COMMENT GSE2.1
 Event 3831

Official Magnitude:
 Ml 1.76

Error ellipse:

	Azim	Dip	Mag
Max:	2	78	1.0400
Intermediate:	238	6	0.3100
Min:	147	10	0.1700

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1598250737 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3832 1.3 km from Ferhade, Durrës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2020/07/21	03:45:21.05		0.21	41.4260	19.5377				29.0	1.5	6	7	171	0.26	2.85	m	
3946																	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.3	0.0	3	3946

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.26	0.0	Pg	03:45:29.260	0.0											47066
TIR	0.26	107.0	Sg	03:45:32.900	0.1											47058
TIR	0.26	107.0	AMl	03:45:33.610								4.0	0.22	a	Ml	2.7
TIR	0.26	107.0	AMl	03:45:33.600								1.4	0.14	a	Ml	2.3
SDA	0.63	358.0	Sg	03:45:42.728	-0.3											47060
SDA	0.63	358.0	Pg	03:45:33.763	0.2											47059
SDA	0.63	358.0	AMl	03:45:46.160								0.1	0.32	a	Ml	1.6
PHP	0.72	68.0	Sg	03:45:45.390	-0.2											47062
PHP	0.72	68.0	Pg	03:45:32.417	-2.6											47061
PHP	0.72	68.0	AMl	03:45:50.560								0.5	0.54	a	Ml	2.3
PDG	1.02	349.0	Sg	03:45:55.473	0.3											47064
PDG	1.02	349.0	Pg	03:45:41.997	1.5											47063
SGRT	2.85	278.0	Pn	03:46:08.485	-0.2											47065

DATA_TYPE COMMENT GSE2.1
Event 3832

Official Magnitude:
Ml 2.26

Error ellipse:

	Azim	Dip	Mag
Max:	91	60	1.7100
Intermediate:	206	13	0.8400
Min:	303	26	0.5100

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250736 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3834 0.3 km from Hekal, Fier, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2020/07/21	20:11:37.76		0.62	40.5635	19.7325				13.8	4.1	9	33	107	0.21	1.90	m	
3948																	

Magnitude	Err	Nsta	Author	OrigID
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M1 2.5 0.0 6 3948

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
VLO	0.20	243.0	Sg	20:11:44.616	0.1					—				m		47089
VLO	0.20	243.0	Pg	20:11:41.670	0.1					—				m		47088
VLO	0.20	243.0	AM1	20:11:47.018						—		27.0	0.36	a	M1 3.4	21763
SRN	0.71	163.0	Pg	20:11:51.340	-0.8					—				m		47090
SRN	0.71	163.0	AM1	20:12:06.748						—		0.7	0.46	a	M1 2.4	21764
TIR	0.79	7.0	Sg	20:12:01.811	-3.0					—				m		47092
TIR	0.79	7.0	Pg	20:11:53.589	0.4					—				m		47091
TIR	0.79	7.0	AM1	20:12:13.208						—		0.5	0.42	a	M1 2.3	21765
KBN	0.80	85.0	Sg	20:12:04.754	0.3					—				m		47094
KBN	0.80	85.0	Pg	20:11:52.348	-0.7					—				m		47093
IGT	1.13	155.0	Pn	20:12:00.222	0.9					—				m		47095
IGT	1.13	155.0	AM1	20:12:18.508						—		0.3	0.82	a	M1 2.4	21766
PHP	1.24	0.0	Pg	20:11:59.929	0.0					—				m		47099
PHP	1.24	25.0	Sg	20:12:20.337	1.8					—				m		47096
PHP	1.24	25.0	AM1	20:12:23.518						—		0.6	0.46	a	M1 2.8	21767
SDA	1.50	354.0	Pn	20:12:03.149	-2.7					—				m		47097
SDA	1.50	354.0	AM1	20:12:31.468						—		0.3	0.62	a	M1 2.6	21768
PDG	1.90	350.0	Pn	20:12:12.478	-0.3					—				m		47098

DATA_TYPE COMMENT GSE2.1
Event 3834

Official Magnitude:
M1 2.50

Error ellipse:

	Azim	Dip	Mag
Max:	237	69	4.4100
Intermediate:	332	1	1.6100
Min:	62	21	1.0700

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250736 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3835 0.9 km from Vasilika Agiou Ioannou, Ionian Islands, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2020/07/22	16:28:56.59		0.72	39.6188	19.8187				16.3	4.0	12	10	159	0.40	2.41	m	
3949																	

Magnitude	Err	Nsta	Author	OrigID
M1	2.8	0.0	4	3949

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
SRN	0.30	28.0	Sg	16:29:02.150	-6.2					---				m		47101
SRN	0.30	28.0	Pg	16:28:58.349	-4.9					---				md		47100
SRN	0.30	28.0	AMl	16:29:03.840						---		4.9	0.30	a	Ml	21769
IGT	0.40	102.0	Sg	16:29:11.121	0.0					---				m	2.7	47103
IGT	0.40	102.0	Pg	16:29:02.867	-2.0					---				m		47102
VLO	0.88	344.0	Sg	16:29:25.534	0.2					---				m		47105
VLO	0.88	344.0	Pg	16:29:13.854	0.8					---				m		47104
VLO	0.88	344.0	AMl	16:29:33.770						---		1.7	0.40	a	Ml	21770
LKD2	1.05	141.0	Sg	16:29:32.694	0.8					---				m	2.9	47107
LKD2	1.05	141.0	Pg	16:29:15.687	-1.1					---				m		47106
KBN	1.25	36.0	Sg	16:29:37.653	0.6					---				m		47109
KBN	1.25	36.0	Pg	16:29:19.269	-0.5					---				m		47108
PHP	2.12	12.0	Sn	16:30:02.120	-0.5					---				m		47111
PHP	2.12	12.0	Pn	16:29:33.427	-0.9					---				m		47110
PHP	2.12	12.0	AMl	16:30:09.710						---		0.1	0.46	a	Ml	21771
NOCI	2.41	300.0	Sn	16:30:10.125	-0.6					---				m	2.6	47113
NOCI	2.41	300.0	Pn	16:29:39.561	0.6					---				m		47112
NOCI	2.41	300.0	AMl	16:30:17.760						---		0.5	0.32	a	Ml	21772

DATA_TYPE COMMENT GSE2.1
Event 3835

Official Magnitude:
Ml 2.83

Error ellipse:

	Azim	Dip	Mag
Max:	99	71	4.2000
Intermediate:	223	10	1.9200
Min:	316	15	1.1300

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250736 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3836 1.5 km from Memzotaj, Durrës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2020/07/23	07:38:40.07		0.38	41.4032	19.6170				8.0	2.8	12	30	160	0.20	2.02	m	
3950																	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.9	0.0	7	3950

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.21	0.0	Pg	07:38:44.275	0.0					___				m		47127
TIR	0.19	106.0	Sg	07:38:46.879	-0.4					___				m		47114
TIR	0.19	106.0	AM1	07:38:47.648						___		21.1	0.30	a	M1	21774
TIR	0.19	106.0	AM1	07:38:47.548						___		13.4	0.18	a	M1	21773
SDA	0.65	353.0	Sg	07:39:02.828	0.3					___				m		47116
SDA	0.65	353.0	Pg	07:38:52.955	0.1					___				m		47115
SDA	0.65	353.0	AM1	07:39:08.478						___		0.7	0.20	a	M1	21775
PHP	0.68	65.0	Sg	07:39:03.019	0.1					___				m		47118
PHP	0.68	65.0	Pg	07:38:51.764	-1.4					___				m		47117
PHP	0.68	65.0	AM1	07:39:06.338						___		1.5	0.38	a	M1	21776
VLO	0.94	186.0	Pg	07:38:58.134	0.5					___				m		47119
VLO	0.94	186.0	AM1	07:39:24.128						___		3.5	0.50	a	M1	21777
PDG	1.06	346.0	Sg	07:39:16.071	-0.1					___				m		47121
PDG	1.06	346.0	Pg	07:38:59.894	-0.8					___				m		47120
KBN	1.18	130.0	S	07:39:19.371	0.1					___				m		47123
KBN	1.18	130.0	P	07:39:03.127	0.7					___				m		47122
KBN	1.18	130.0	AM1	07:39:25.788						___		0.7	0.52	a	M1	21778
SRN	1.55	169.0	Sn	07:39:31.761	-0.5					___				m		47125
SRN	1.55	169.0	Pn	07:39:09.781	-0.1					___				m		47124
SRN	1.55	169.0	AM1	07:39:37.678						___		0.3	0.46	a	M1	21779
NOCI	2.02	254.0	Pn	07:39:14.734	-2.9					___				m		47126
NOCI	2.02	254.0	AM1	07:39:53.338						___		0.6	0.38	a	M1	21780

DATA_TYPE COMMENT GSE2.1
Event 3836

Official Magnitude:
M1 2.89

Error ellipse:

	Azim	Dip	Mag
Max:	25	77	2.9000
Intermediate:	252	8	0.9400
Min:	161	9	0.5100

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250736 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3837 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/23	17:23:46.41		0.64	41.5407	19.4460				28.2	2.7	14	9	103	0.37	1.95	m	
3951																	

Magnitude	Err	Nsta	Author	OrigID
Md	2.9	0.0	8	3951
Ml	3.6	0.0	5	3951

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.37	121.0	S	17:23:58.381	-2.5									m		47129
TIR	0.37	121.0	P	17:23:54.349	-0.3									m		47128
TIR	0.37	121.0	AMd	17:24:34.171								0.0	39.82	a	Md	21781
TIR	0.37	121.0	AMl	17:23:59.260								40.3	0.18	a	Ml	21789
SDA	0.51	4.0	S	17:24:04.146	-0.8									m		47131
SDA	0.51	4.0	P	17:23:57.228	0.2									m		47130
SDA	0.51	4.0	AMd	17:24:56.982								0.0	59.75	a	Md	21782
SDA	0.51	4.0	AMl	17:24:10.710								3.9	0.42	a	Ml	21790
PHP	0.76	78.0	S	17:24:11.504	-0.4									m		47133
PHP	0.76	78.0	P	17:24:00.752	-0.2									m		47132
PHP	0.76	78.0	AMd	17:24:51.800								0.0	51.05	a	Md	21783
PHP	0.76	78.0	AMl	17:24:18.200								8.9	0.64	a	Ml	21791
PDG	0.90	352.0	S	17:24:18.422	1.7									m		47135
PDG	0.90	352.0	P	17:24:04.652	0.9									m		47134
PDG	0.90	352.0	AMd	17:25:13.575								0.0	68.92	a	Md	21784
VLO	1.07	177.0	S	17:24:21.346	0.6									m		47137
VLO	1.07	177.0	P	17:24:05.755	-0.3									m		47136
VLO	1.07	177.0	AMd	17:25:21.175								0.0	75.42	a	Md	21785
VLO	1.07	177.0	AMl	17:24:29.580								6.1	0.20	a	Ml	21792
KBN	1.37	131.0	S	17:24:30.974	0.9									m		47139
KBN	1.37	131.0	P	17:24:13.232	1.9									m		47138
KBN	1.37	131.0	AMd	17:25:26.360								0.0	73.13	a	Md	21786
SRN	1.71	165.0	S	17:24:40.839	-0.3									m		47141
SRN	1.71	165.0	P	17:24:17.196	-0.5									m		47140
SRN	1.71	165.0	AMd	17:25:47.442								0.0	90.25	a	Md	21787
NOCI	1.95	249.0	S	17:24:43.318	-3.3									m		47143
NOCI	1.95	249.0	P	17:24:20.314	-0.5									m		47142
NOCI	1.95	249.0	AMd	17:26:21.313								0.0	121.00	a	Md	21788
NOCI	1.95	249.0	AMl	17:24:52.760								0.7	0.54	a	Ml	21793

DATA_TYPE COMMENT GSE2.1
Event 3837

Official Magnitude:
Ml 3.56

Error ellipse:

	Azim	Dip	Mag
Max:	38	69	2.8800
Intermediate:	269	13	1.5000
Min:	175	16	0.9100

BEGIN GSE2.1

MSG_TYPE DATA
 MSG_ID 1598250736 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3838 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/23	18:55:47.99		0.27	41.4727	19.4773				29.5	2.5	6	7	238	0.31	0.97	m	

OrigID 3952

Magnitude	Err	Nsta	Author	OrigID
Md	2.7	0.0	3	3952
Ml	1.5	0.0	3	3952

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.32	113.0	S	18:55:59.117	-2.1											47145
TIR	0.32	113.0	P	18:55:55.660	0.1											47144
TIR	0.32	113.0	AMd	18:56:26.438								0.0	30.78	a	Md	2.3
TIR	0.32	113.0	AMl	18:56:01.320								0.5	0.22	a	Ml	1.8
SDA	0.58	1.0	S	18:56:08.587	0.0											47147
SDA	0.58	1.0	P	18:55:59.360	-0.4											47146
SDA	0.58	1.0	AMd	18:56:45.793								0.0	46.43	a	Md	2.7
SDA	0.58	1.0	AMl	18:56:11.840								0.1	0.30	a	Ml	1.4
PHP	0.80	0.0	P	18:56:01.553	0.0											47151
PHP	0.75	73.0	S	18:56:13.320	-0.0											47148
PHP	0.75	73.0	AMl	18:56:19.950								0.1	0.32	a	Ml	1.5
PDG	0.97	351.0	S	18:56:21.562	1.1											47150
PDG	0.97	351.0	P	18:56:06.664	0.1											47149
PDG	0.97	351.0	AMd	18:56:53.400								0.0	46.74	a	Md	2.7

DATA_TYPE COMMENT GSE2.1
 Event 3838

Official Magnitude:
 Ml 1.52

Error ellipse:

	Azim	Dip	Mag
Max:	87	76	2.5200
Intermediate:	222	9	1.5600
Min:	314	10	0.8000

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1598250736 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3839 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2020/07/23	21:08:54.53		0.13	41.4448	19.4597				17.0	0.9	8	9	192	0.32	2.02	m	
3953																	

Magnitude	Err	Nsta	Author	OrigID
M1	1.8	0.0	3	3953

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.33	0.0	Pg	21:09:02.305	0.0									md_		47161
TIR	0.32	107.0	Sg	21:09:06.257	-0.1									m_		47152
TIR	0.32	107.0	AM1	21:09:06.750								1.5	0.20	a_	M1	21801
TIR	0.32	107.0	AM1	21:09:06.730								0.9	0.12	a_	M1	21800
SDA	0.61	2.0	Sg	21:09:15.691	0.1									m_		47154
SDA	0.61	2.0	Pg	21:09:05.902	-0.7									m_		47153
SDA	0.61	2.0	AM1	21:09:17.050								0.2	0.20	a_	M1	21803
SDA	0.61	2.0	AM1	21:09:16.770								0.1	0.12	a_	M1	21802
PHP	0.77	71.0	Sg	21:09:20.514	-0.0									m_		47156
PHP	0.77	71.0	Pg	21:09:09.596	0.2									md_		47155
PHP	0.77	71.0	AM1	21:09:22.560								0.2	0.24	a_	M1	21804
PDG	0.99	352.0	Sg	21:09:27.767	-0.1									m_		47158
PDG	0.99	352.0	Pg	21:09:13.471	-0.1									m_		47157
IGT	2.02	160.0	Sn	21:09:58.523	0.0									m_		47160
IGT	2.02	160.0	Pn	21:09:33.623	2.5									m_		47159

DATA_TYPE COMMENT GSE2.1
Event 3839

Official Magnitude:
M1 1.84

Error ellipse:

	Azim	Dip	Mag
Max:	62	49	1.2000
Intermediate:	244	40	0.3600
Min:	153	1	0.2400

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250735 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3842 0.7 km from Kuratën, Durrës, Albania

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

2020/07/25 12:12:17.31 0.02 41.4810 19.5592 7.0 1.6 4 8 237 0.27 0.69 m
3956

Magnitude	Err	Nsta	Author	OrigID
Md	2.4	0.0	2	3956
Ml	1.6	0.0	3	3956

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.00	0.0	P	12:12:23.309	0.0					---					m	47212
TIR	0.27	119.0	S	12:12:26.845	0.0					---					m	47207
TIR	0.27	119.0	AMl	12:12:28.450						---		0.7	0.30	a	Ml	21819
SDA	0.57	356.0	S	12:12:37.066	0.0					---					m	47209
SDA	0.57	356.0	P	12:12:28.558	-0.0					---					m	47208
SDA	0.57	356.0	AMd	12:13:00.806						---		0.0	32.25	a	Md	21817
SDA	0.57	356.0	AMl	12:12:42.640						---		0.0	0.40	a	Ml	21820
PHP	0.69	72.0	S	12:12:40.552	0.0					---					m	47211
PHP	0.69	72.0	P	12:12:29.964	-0.6					---					m	47210
PHP	0.69	72.0	AMd	12:13:08.134						---		0.0	38.17	a	Md	21818
PHP	0.69	72.0	AMl	12:12:43.130						---		0.1	0.32	a	Ml	21821

DATA_TYPE COMMENT GSE2.1
Event 3842

Official Magnitude:
Ml 1.56

Error ellipse:

	Azim	Dip	Mag
Max:	215	87	1.5600
Intermediate:	49	2	0.1400
Min:	319	1	0.0500

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250735 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3843 1.6 km from KostenjÄ«, Elbasan, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/26	06:28:41.70		0.01	41.3428	20.3140				10.0	0.1	5	7	256	0.34	1.34	m	

OrigID
3957

Magnitude	Err	Nsta	Author	OrigID
Md	2.2	0.0	2	3957
Ml	1.7	0.0	3	3957

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.34	271.0	S	06:28:53.275	-0.4					___				m		47214
TIR	0.34	271.0	P	06:28:48.553	-0.0					___				m		47213
TIR	0.34	271.0	AMd	06:29:15.102						___		0.0	26.55	a	Md	2.1
TIR	0.34	271.0	AMl	06:28:55.010						___		0.3	0.12	a	Ml	1.6
PHP	0.38	0.0	P	06:28:48.966	0.0					___				m		47219
PHP	0.35	15.0	S	06:28:53.731	-0.0					___				m		47215
PHP	0.35	15.0	AMl	06:28:55.380						___		0.4	0.36	a	Ml	1.7
SDA	0.94	320.0	P	06:28:59.939	0.0					___				m		47217
SDA	0.94	320.0	S	06:29:13.616	0.0					___				m		47216
SDA	0.94	320.0	AMd	06:29:31.815						___		0.0	31.88	a	Md	2.3
SDA	0.94	320.0	AMl	06:29:16.480						___		0.1	0.20	a	Ml	1.8
PDG	1.34	325.0	S	06:29:26.509	-0.0					___				m		47218

DATA_TYPE COMMENT GSE2.1
Event 3843

Official Magnitude:
Ml 1.70

Error ellipse:

	Azim	Dip	Mag
Max:	129	57	0.0600
Intermediate:	317	32	0.0300
Min:	225	4	0.0200

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250735 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3844 0.7 km from Shkozë, Elbasan, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2020/07/26	14:16:04.14		0.89	40.9880	19.8620				31.9	2.8	19	34	86	0.36	3.18	m	
3958																	

Magnitude	Err	Nsta	Author	OrigID
Ml	4.1	0.0	7	3958

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.36	0.0	Sg	14:16:18.152	-0.7					___				m		47221
TIR	0.36	0.0	Pg	14:16:11.648	-0.9					___				m		47220
TIR	0.36	0.0	AMl	14:16:24.350						___		75.9	0.78	a	Ml	4.1
VLO	0.59	209.0	Sg	14:16:25.712	1.7					___				m		47223
VLO	0.59	209.0	Pg	14:16:15.249	-0.2					___				m		47222
VLO	0.59	209.0	AMl	14:16:27.060						___		133.9	0.48	a	Ml	4.6

KBN	0.79	117.0	Sg	14:16:31.472	1.1
KBN	0.79	117.0	Pg	14:16:18.432	-0.7
KBN	0.79	117.0	AMl	14:16:35.430	
PHP	0.82	31.0	Sn	14:16:32.942	1.3
PHP	0.82	31.0	Pn	14:16:18.996	-0.8
PHP	0.82	31.0	AMl	14:16:41.200	
SDA	1.10	346.0	Sn	14:16:42.200	1.8
SDA	1.10	346.0	Pn	14:16:24.769	-0.1
SDA	1.10	346.0	AMl	14:16:46.390	
SRN	1.11	174.0	Sg	14:16:40.869	-0.7
SRN	1.11	174.0	Pg	14:16:25.115	-0.4
IGT	1.50	166.0	Sn	14:16:52.062	0.1
IGT	1.50	166.0	Pn	14:16:31.965	0.5
PDG	1.51	343.0	Sn	14:16:52.301	0.0
PDG	1.51	343.0	Pn	14:16:30.925	-0.7
NOCI	2.13	266.0	Sn	14:17:08.583	0.1
NOCI	2.13	266.0	Pn	14:16:36.905	-4.0
NOCI	2.13	266.0	AMl	14:17:11.960	
LKD2	2.28	164.0	Sn	14:17:12.943	0.6
LKD2	2.28	164.0	Pn	14:16:41.421	-1.7
SGRT	3.18	286.0	Sn	14:17:26.724	-8.8
SGRT	3.18	286.0	Pn	14:16:51.811	-4.5
SGRT	3.18	286.0	AMl	14:17:46.780	

_____				m_____		47225
_____				m_____		47224
_____	22.3	0.58	a_____	Ml	4.0	21829
_____				m_____		47227
_____				m_____		47226
_____	16.9	0.52	a_____	Ml	3.9	21830
_____				m_____		47229
_____				m_____		47228
_____	13.8	0.72	a_____	Ml	4.0	21831
_____				m_____		47231
_____				mc_____		47230
_____				m_____		47233
_____				m_____		47232
_____				m_____		47235
_____				m_____		47234
_____				m_____		47237
_____				m_____		47236
_____	13.2	0.32	a_____	Ml	4.7	21832
_____				m_____		47239
_____				m_____		47238
_____				m_____		47241
_____				m_____		47240
_____	2.4	0.60	a_____	Ml	4.4	21833

DATA_TYPE COMMENT GSE2.1
Event 3844

Official Magnitude:
Ml 4.07

Error ellipse:

	Azim	Dip	Mag
Max:	66	69	2.9900
Intermediate:	267	19	1.9600
Min:	175	7	1.1100

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250735 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3845 0.9 km from Shkallë, Tirana, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/26	16:21:27.09		0.01	41.3265	19.9728				9.4	0.1	4	5	241	0.08	0.81	m	
3959																	

Magnitude	Err	Nsta	Author	OrigID
M1	1.3	0.0	2	3959

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.00	0.0	Pg	16:21:29.523	0.0											47246
TIR	0.08	285.0	Sg	16:21:30.897	0.0											47242
TIR	0.08	285.0	AM1	16:21:31.530								0.3	0.20	a	M1	1.2
TIR	0.08	285.0	AM1	16:21:31.370								0.4	0.20	a	M1	1.3
PHP	0.50	44.0	Sg	16:21:44.009	0.0											47244
PHP	0.50	44.0	Pg	16:21:36.762	0.0											47243
PHP	0.50	44.0	AM1	16:21:45.700								0.2	0.26	a	M1	1.4
SDA	0.81	334.0	Sg	16:21:54.710	0.0											47245

DATA_TYPE COMMENT GSE2.1
Event 3845

Official Magnitude:
M1 1.30

Error ellipse:

	Azim	Dip	Mag
Max:	200	59	0.1200
Intermediate:	343	25	0.0300
Min:	81	16	0.0200

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250735 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3846 1.7 km from Orpen, Elbasan, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/27	06:19:45.16		0.01	41.1965	20.1208				12.8	0.1	6	9	171	0.24	0.97	m	

OrigID 3960

Magnitude	Err	Nsta	Author	OrigID
M1	1.8	0.0	3	3960

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.24	309.0	S	06:19:54.312	0.0											47248
TIR	0.24	309.0	P	06:19:50.378	0.0											47247
TIR	0.24	309.0	AM1	06:19:56.588								0.3	0.30	a	M1	1.5
PHP	0.54	0.0	P	06:19:55.353	0.0											47253
PHP	0.54	26.0	S	06:20:03.576	-0.0											47249
PHP	0.54	26.0	AM1	06:20:06.258								0.3	0.18	a	M1	1.8
KBN	0.76	138.0	S	06:20:10.545	0.0											47250

SDA	0.97	332.0	S	06:20:18.237	0.0	---	m	47252
SDA	0.97	332.0	P	06:20:04.052	-0.0	---	m	47251
SDA	0.97	332.0	AMl	06:20:24.558		---	0.1 0.40 a Ml 1.9	21839

DATA_TYPE COMMENT GSE2.1
Event 3846

Official Magnitude:
Ml 1.81

Error ellipse:

	Azim	Dip	Mag
Max:	256	70	0.0800
Intermediate:	41	16	0.0400
Min:	134	11	0.0300

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250735 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3847 1.0 km from Lumi, Golem, Tirana, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/27	15:52:20.29		0.09	41.2003	19.5017				32.1	0.9	6	8	198	0.31	1.89	m	
OrigID 3961																	

Magnitude	Err	Nsta	Author	OrigID
Md	2.7	0.0	3	3961
Ml	2.3	0.0	4	3961

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.31	61.0	S	15:52:30.243	-3.5					---				m		47255
TIR	0.31	61.0	P	15:52:28.035	0.0					---				m		47254
TIR	0.31	61.0	AMd	15:52:52.400						---		0.0	24.36	a	Md	2.0
TIR	0.31	61.0	AMl	15:52:32.810						---		1.4	0.14	a	Ml	2.3
SDA	0.85	0.0	S	15:52:49.039	-0.1					---				m		47257
SDA	0.85	0.0	P	15:52:36.665	-0.1					---				m		47256
SDA	0.85	0.0	AMd	15:53:26.852						---		0.0	50.19	a	Md	2.8
SDA	0.85	0.0	AMl	15:52:53.720						---		0.1	0.32	a	Ml	1.8
PHP	0.85	0.0	P	15:52:35.995	0.0					---				m		47262
PHP	0.86	55.0	S	15:52:48.822	0.0					---				m		47258
PHP	0.86	55.0	AMl	15:52:53.030						---		0.4	0.36	a	Ml	2.3
PDG	1.24	352.0	P	15:52:46.172	2.7					---				m		47260
PDG	1.24	352.0	S	15:53:01.077	0.2					---				m		47259
PDG	1.24	352.0	AMd	15:53:32.352						---		0.0	46.18	a	Md	2.7
NOCI	1.89	259.0	S	15:53:18.437	0.0					---				m		47261

NOCI 1.89 259.0 AM1 15:53:27.610

0.1 0.16 a__ M1 2.5 21846

DATA_TYPE COMMENT GSE2.1
Event 3847

Official Magnitude:
M1 2.29

Error ellipse:

	Azim	Dip	Mag
Max:	66	66	1.0100
Intermediate:	333	1	0.3600
Min:	243	24	0.2200

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250735 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3848 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID	2020/07/27	20:13:14.55	0.21	41.1177	20.4088				2.0	1.9	10	8	147	0.47	1.57	m	
3962																	

Magnitude	Err	Nsta	Author	OrigID
Md	2.4	0.0	6	3962
M1	1.6	0.0	3	3962

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.47	300.0	S	20:13:31.234	-0.3									m__		47264
TIR	0.47	300.0	P	20:13:24.133	-0.1									m__		47263
TIR	0.47	300.0	AMd	20:14:00.783								0.0	36.65	a__	Md	2.4
TIR	0.47	300.0	AM1	20:13:34.140								0.2	0.30	a__	M1	1.6
PHP	0.57	2.0	S	20:13:34.333	0.1									m__		47266
PHP	0.57	2.0	P	20:13:24.323	-1.5									m__		47265
PHP	0.57	2.0	AMd	20:13:58.094								0.0	33.77	a__	Md	2.4
PHP	0.57	2.0	AM1	20:13:36.550								0.2	0.36	a__	M1	1.7
KBN	0.57	149.0	S	20:13:34.230	0.2									m__		47268
KBN	0.57	149.0	P	20:13:24.871	-0.8									m__		47267
KBN	0.57	149.0	AMd	20:14:09.938								0.0	45.07	a__	Md	2.1
SDA	1.16	325.0	S	20:13:54.640	0.2									m__		47270
SDA	1.16	325.0	P	20:13:37.209	-0.1									m__		47269
SDA	1.16	325.0	AMd	20:14:28.600								0.0	51.39	a__	Md	2.8
SDA	1.16	325.0	AM1	20:13:58.050								0.1	0.32	a__	M1	1.6
SRN	1.27	195.0	S	20:13:58.712	-0.3									m__		47272
SRN	1.27	195.0	P	20:13:41.242	1.3									m__		47271

SRN	1.27	195.0	AMd	20:14:41.214	_____	0.0	59.97	a__	Md	2.4	21851
PDG	1.57	328.0	S	20:14:07.476	_____			m__			47274
PDG	1.57	328.0	P	20:13:44.725	_____			m__			47273
PDG	1.57	328.0	AMd	20:14:44.449	_____	0.0	59.72	a__	Md	3.0	21852

DATA_TYPE COMMENT GSE2.1
Event 3848

Official Magnitude:
Ml 1.61

Error ellipse:

	Azim	Dip	Mag
Max:	251	89	1.9400
Intermediate:	70	0	0.7100
Min:	160	0	0.3100

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250734 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3849 0.8 km from Manzë, Durrës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/27	23:09:03.05		0.25	41.4353	19.5962				8.1	2.2	8	8	183	0.22	1.98	m	
3963																	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.8	0.0	3	3963

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.00	0.0	Pg	23:09:08.231	0.0					_____				mc__		47284
TIR	0.22	113.0	Sg	23:09:11.187	0.1					_____				m__		47275
TIR	0.22	113.0	AMl	23:09:11.950						_____		1.2	0.14	a__	Ml	2.0
TIR	0.22	113.0	AMl	23:09:12.070						_____		1.3	0.14	a__	Ml	2.0
SDA	0.62	354.0	Sg	23:09:24.615	0.2					_____				m__		47277
SDA	0.62	354.0	Pg	23:09:15.726	0.5					_____				m__		47276
SDA	0.62	354.0	AMl	23:09:28.490						_____		0.1	0.30	a__	Ml	1.1
PHP	0.68	68.0	Sg	23:09:25.930	-0.0					_____				m__		47279
PHP	0.68	68.0	Pg	23:09:15.605	-0.5					_____				m__		47278
PHP	0.68	68.0	AMl	23:09:28.730						_____		0.1	0.42	a__	Ml	1.6
PDG	1.02	346.0	Sg	23:09:37.848	-0.1					_____				m__		47281
PDG	1.02	346.0	Pg	23:09:22.685	-0.3					_____				md__		47280
IGT	1.98	163.0	Sn	23:10:07.659	0.0					_____				m__		47283
IGT	1.98	163.0	Pn	23:09:35.115	-4.8					_____				m__		47282

DATA_TYPE COMMENT GSE2.1
Event 3849

Official Magnitude:
Ml 1.77

Error ellipse:

	Azim	Dip	Mag
Max:	44	59	2.5100
Intermediate:	244	28	0.7600
Min:	149	9	0.4200

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250734 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3854 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/31	10:48:47.11		0.04	39.6497	20.2932				18.5	0.2	7	7	140	0.12	1.04	m	
3968																	

Magnitude	Err	Nsta	Author	OrigID
Ml 2.5	0.0	4		3968

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
IGT	0.12	166.0	S	10:48:54.288	0.6					---				m		47332
IGT	0.12	166.0	P	10:48:50.853	-0.0					---				m		47331
IGT	0.12	166.0	AMl	10:48:55.508						---		11.8	0.30	a	Ml 3.0	21874
SRN	0.32	316.0	S	10:48:59.883	0.0					---				m		47334
SRN	0.32	316.0	P	10:48:54.484	0.1					---				m		47333
SRN	0.32	316.0	AMl	10:49:04.648						---		1.0	0.32	a	Ml 2.1	21875
KEK	0.39	280.0	S	10:49:02.394	1.2					---				m		47336
KEK	0.39	280.0	P	10:48:55.159	-0.0					---				m		47335
LKD2	0.90	161.0	S	10:49:19.132	1.6					---				m		47338
LKD2	0.90	161.0	P	10:49:04.518	0.0					---				m		47337
LKD2	0.90	161.0	AMl	10:49:25.538						---		0.8	0.42	a	Ml 2.6	21876
KBN	1.04	21.0	S	10:49:21.045	0.0					---				m		47340
KBN	1.04	21.0	P	10:49:06.464	-0.0					---				m		47339
KBN	1.04	21.0	AMl	10:49:22.198						---		0.4	0.62	a	Ml 2.4	21877

DATA_TYPE COMMENT GSE2.1
Event 3854

Official Magnitude:
Ml 2.52

Error ellipse:

	Azim	Dip	Mag
Max:	244	50	0.2400
Intermediate:	58	39	0.1400
Min:	150	3	0.1000

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

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250734 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3855 5 km from AmmoudiÄ, Epirus, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2020/07/31	11:23:06.04		0.03	39.2228	20.4270				21.3	0.3	9	9	162	0.31	2.36	m		3969

Magnitude	Err	Nsta	Author	OrigID
Ml	2.7	0.0	3	3969

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
IGT	0.32	347.0	S	11:23:19.047	1.0									m		47342
IGT	0.32	347.0	P	11:23:12.897	-0.0									m		47341
IGT	0.32	347.0	AMl	11:23:23.778								3.9	0.24	a	Ml	2.7
LKD2	0.47	157.0	S	11:23:24.442	1.6									m		47344
LKD2	0.47	157.0	P	11:23:15.621	0.0									m		47343
LKD2	0.47	157.0	AMl	11:23:27.298								2.9	0.54	a	Ml	2.7
KEK	0.69	316.0	S	11:23:29.721	0.0									m		47348
KEK	0.69	316.0	P	11:23:19.553	-0.0									m		47347
KEK	0.69	316.0	S	11:23:29.675	-0.0									m		47346
KEK	0.69	316.0	P	11:23:19.539	-0.0									m		47345

SRN	0.73	334.0	S	11:23:31.674	-0.0	---	m	47350
SRN	0.73	334.0	P	11:23:20.750	0.1	---	m	47349
SRN	0.73	334.0	AMl	11:23:34.178		---	0.3 0.36 a Ml 2.1	21880
THL	1.27	0.0	P	11:23:27.591	0.0	---	m	47355
THL	1.28	73.0	S	11:23:43.720	-4.2	---	m	47351
KBN	1.43	11.0	P	11:23:34.596	2.5	---	m	47353
KBN	1.43	11.0	S	11:23:53.773	2.1	---	m	47352
ITM	2.36	149.0	P	11:23:47.079	0.0	---	m	47354

DATA_TYPE COMMENT GSE2.1
Event 3855

Official Magnitude:
Ml 2.67

Error ellipse:

	Azim	Dip	Mag
Max:	261	68	0.3100
Intermediate:	57	19	0.2400
Min:	150	8	0.0500

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250741 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3785 4.6 km from Vrysochori, Epirus, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2020/07/05	23:42:40.27		0.30	39.9840	20.8367				6.8	25.1	4	4	202	0.46	0.64	m		3897

Magnitude	Err	Nsta	Author	OrigID
Ml	1.1	0.0	2	3897

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
NEST	0.46	0.0	Pg	23:42:49.240	0.0									m		46561
NEST	0.46	20.0	Sg	23:42:56.457	0.2									m		46556
NEST	0.46	20.0	AMl	23:42:58.690								0.1	0.22	a	Ml	21589
IGT	0.60	222.0	S	23:43:01.214	0.4									m		46558
IGT	0.60	222.0	Pg	23:42:51.590	-0.4									m		46557
KBN	0.64	357.0	Sg	23:43:01.367	-0.1									m		46560
KBN	0.64	357.0	Pg	23:42:48.904	-3.5									m		46559
KBN	0.64	357.0	AMl	23:43:05.820								0.1	0.72	a	Ml	21590

DATA_TYPE COMMENT GSE2.1
Event 3785

Official Magnitude:
Ml 1.06

Error ellipse:

	Azim	Dip	Mag
Max:	106	87	25.1100
Intermediate:	295	2	3.4800
Min:	25	0	0.5900

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250740 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3788 6 km from Chrysogialli, Epirus, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2020/07/06	12:57:37.80		0.07	39.2367	20.3695				2.0	1.5	6	7	165	0.30	1.29	m		3900

Magnitude	Err	Nsta	Author	OrigID
M1	1.5	0.0	3	3900

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
IGT	0.30	355.0	S	12:57:48.928	-0.0											46577
IGT	0.30	355.0	P	12:57:44.069	-0.1											46576
IGT	0.30	355.0	AM1	12:57:51.698								0.3	0.18	a	M1	1.5
LKD2	0.50	153.0	S	12:57:56.470	0.7											46579
LKD2	0.50	153.0	P	12:57:48.029	-0.0											46578
LKD2	0.50	153.0	AM1	12:57:59.508								0.2	0.38	a	M1	1.5
KEK	0.65	318.0	S	12:58:00.862	0.1											46581
KEK	0.65	318.0	P	12:57:50.871	-0.1											46580
SRN	0.70	337.0	S	12:58:04.690	1.5											46582
NEST	1.29	23.0	S	12:58:20.995	-1.1											46584
NEST	1.29	23.0	P	12:58:03.146	0.0											46583
NEST	1.29	23.0	AM1	12:58:23.118								0.0	0.30	a	M1	1.5

DATA_TYPE COMMENT GSE2.1
Event 3788

Official Magnitude:
M1 1.48

Error ellipse:

	Azim	Dip	Mag
Max:	100	85	1.5400
Intermediate:	250	4	0.4300
Min:	340	2	0.1500

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250739 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3803 1.0 km from Kalogeritsa, West Macedonia, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2020/07/12	15:07:47.00		0.06	40.7653	21.3383				6.3	0.4	8	9	249	0.44	1.89	m		3915

Magnitude	Err	Nsta	Author	OrigID
M1	2.0	0.0	4	3915

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

KBN	0.44	252.0	S	15:08:03.735	2.2	---	m	46717
KBN	0.44	252.0	P	15:07:55.317	-0.0	---	m	46716
KBN	0.44	252.0	AMl	15:08:06.770		---	0.5 0.24 a Ml 1.9	21634
PHP	1.14	324.0	S	15:08:25.714	0.5	---	m	46718
PHP	1.14	324.0	AMl	15:08:32.850		---	0.1 0.58 a Ml 2.0	21635
SRN	1.35	230.0	S	15:08:33.337	0.1	---	m	46720
SRN	1.35	230.0	P	15:08:13.449	0.0	---	m	46719
SRN	1.35	230.0	AMl	15:08:36.980		---	0.1 0.44 a Ml 2.2	21636
IGT	1.45	213.0	S	15:08:35.595	-0.2	---	m	46722
IGT	1.45	213.0	P	15:08:14.869	0.0	---	m	46721
IGT	1.45	213.0	AMl	15:08:39.800		---	0.1 0.62 a Ml 1.8	21637
KEK	1.58	229.0	S	15:08:39.726	0.1	---	m	46724
KEK	1.58	229.0	P	15:08:15.717	-1.4	---	m	46723
SDA	1.89	314.0	S	15:08:49.169	-0.1	---	m	46725

DATA_TYPE COMMENT GSE2.1
Event 3803

Official Magnitude:
Ml 1.95

Error ellipse:

	Azim	Dip	Mag
Max:	76	16	0.5100
Intermediate:	293	69	0.4500
Min:	169	12	0.2200

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250739 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3807 0.1 km from Komninades, West Macedonia, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2020/07/15	06:32:29.72		0.35	40.5177	20.9972				4.1	2.2	14	9	104	0.19	1.90	m		3920

Magnitude	Err	Nsta	Author	OrigID
Ml	3.7	0.0	6	3920

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.19	304.0	Sg	06:32:36.455	0.2									m		46765
KBN	0.19	304.0	P	06:32:33.999	0.6									m		46764
KBN	0.19	304.0	AMl	06:32:37.380								120.8	0.28	a Ml	3.9	21652
SRN	0.99	231.0	S	06:33:04.258	-0.3									m		46767
SRN	0.99	231.0	P	06:32:47.170	-2.4									m		46766
IGT	1.11	208.0	Sg	06:33:07.773	0.0									m		46769
IGT	1.11	208.0	Pg	06:32:49.934	-1.5									m		46768
VLO	1.15	269.0	Sg	06:33:08.164	0.4									m		46771
VLO	1.15	269.0	Pg	06:32:50.909	-0.5									m		46770
VLO	1.15	269.0	AMl	06:33:14.620								26.6	0.52	a Ml	4.3	21653
TIR	1.19	0.0	Pg	06:32:52.452	0.0									m		46781
TIR	1.19	315.0	S	06:33:10.603	0.1									m		46772
TIR	1.19	315.0	AMl	06:33:17.340								2.9	0.56	a Ml	3.4	21654
PHP	1.24	341.0	S	06:33:11.395	-0.2									m		46774

DATA_TYPE COMMENT GSE2.1
Event 3809

Official Magnitude:
Ml 2.62

Error ellipse:

	Azim	Dip	Mag
Max:	244	54	1.9800
Intermediate:	63	35	1.3700
Min:	153	0	0.5700

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250738 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3812 2.4 km from Stavroskiadio, Epirus, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2020/07/16	02:09:40.35		0.00	40.0253	20.4127				7.0	0.4	5	4	302	0.35	0.57	m		3926

Magnitude	Err	Nsta	Author	OrigID
Ml	0.9	0.0	2	3926

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
SRN	0.35	246.0	S	02:09:53.267	-0.0									m		46845
SRN	0.35	246.0	P	02:09:47.737	0.0									m		46844
SRN	0.35	246.0	AMl	02:09:56.120								0.1	0.28	a	Ml	1.1
IGT	0.50	188.0	S	02:09:57.595	0.0									m		46847
IGT	0.50	188.0	P	02:09:50.208	0.0									m		46846
IGT	0.50	188.0	AMl	02:10:02.820								0.0	0.36	a	Ml	0.7
KEK	0.57	237.0	S	02:09:59.999	0.0									m		46849
KEK	0.57	237.0	P	02:09:50.688	-0.9									m		46848

DATA_TYPE COMMENT GSE2.1
Event 3812

Official Magnitude:
Ml 0.88

Error ellipse:

	Azim	Dip	Mag
Max:	248	88	0.3800
Intermediate:	32	0	0.0400
Min:	122	1	0.0200

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250738 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3813 2.7 km from Palaioch³ri, Epirus, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2020/07/16	10:02:47.85		0.19	39.4828	20.7860				4.5	1.9	7	31	198	0.36	1.79	m		3927

Magnitude	Err	Nsta	Author	OrigID
M1	2.5	0.0	1	3927

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
IGT	0.36	278.0	Sg	10:03:00.513	-0.1									m		46851	
IGT	0.36	278.0	Pg	10:02:55.363	0.2									m		46850	
LKD2	0.70	189.0	Sg	10:03:12.078	-0.0									m		46853	
LKD2	0.70	189.0	Pg	10:03:01.721	0.0									m		46852	
LKD2	0.70	189.0	AM1	10:03:13.098								0.9	0.34	a	M1	2.5	21681
SRN	0.72	304.0	Sg	10:03:05.461	-8.1									m		46855	
SRN	0.72	304.0	Pg	10:02:59.234	-3.3									m		46854	
KLK	1.79	142.0	Sn	10:03:47.454	0.1									m		46857	
KLK	1.79	142.0	Pn	10:03:21.647	-0.2									m		46856	

DATA_TYPE COMMENT GSE2.1

Event 3813

Official Magnitude:

M1 2.48

Error ellipse:

	Azim	Dip	Mag
Max:	12	80	1.9200
Intermediate:	216	8	0.9300
Min:	125	4	0.3700

BEGIN GSE2.1

MSG_TYPE DATA

MSG_ID 1598250738 athena

DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3820 0.8 km from Ágios Geórgios, Epirus, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2020/07/18	23:58:56.30		0.67	40.1252	20.7483				2.0	5.0	13	32	148	0.49	2.35	m		3934

Magnitude	Err	Nsta	Author	OrigID
M1	2.2	0.0	4	3934

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
KBN	0.50	3.0	Sg	23:59:12.940	-0.5									m		46928	
KBN	0.50	3.0	Pg	23:59:04.660	-1.4									m		46927	
KBN	0.50	3.0	AM1	23:59:23.710								0.9	0.92	a	M1	2.2	21701
SRN	0.62	248.0	Sg	23:59:18.269	-0.8									m		46930	
SRN	0.62	248.0	Pg	23:59:08.034	-1.3									m		46929	
IGT	0.67	209.0	Sg	23:59:20.463	0.4									m		46932	
IGT	0.67	209.0	Pg	23:59:09.094	-0.8									m		46931	
IGT	0.67	209.0	AM1	23:59:27.630								0.6	0.80	a	M1	2.3	21702
LKD2	1.34	184.0	Sn	23:59:42.515	0.3									m		46934	
LKD2	1.34	184.0	Pn	23:59:22.628	0.1									m		46933	

TIR	1.39	332.0	Sn	23:59:44.646	0.7	---	m	46936
TIR	1.39	332.0	Pn	23:59:24.650	1.1	---	m	46935
TIR	1.39	332.0	AMl	23:59:51.540		---	0.1 0.70 a Ml 2.2	21703
PHP	1.57	352.0	Sn	23:59:49.476	0.4	---	m	46938
PHP	1.57	352.0	Pn	23:59:25.328	-1.1	---	m	46937
PHP	1.57	352.0	AMl	00:00:04.180		---	0.2 1.38 a Ml 2.6	21704
KLV	2.35	151.0	Pn	23:59:39.292	-0.1	---	m	46939

DATA_TYPE COMMENT GSE2.1
Event 3820

Official Magnitude:
Ml 2.24

Error ellipse:

	Azim	Dip	Mag
Max:	127	85	5.0600
Intermediate:	274	3	1.9900
Min:	4	3	0.8500

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250736 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3833 1.9 km from Xéchoro, Epirus, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2020/07/21	18:34:44.81		0.29	39.6518	20.3505				17.3	0.8	18	33	91	0.12	2.89	m		3947

Magnitude	Err	Nsta	Author	OrigID
Ml	3.8	0.0	6	3947

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
IGT	0.12	188.0	Sg	18:34:51.458	0.4											47068
IGT	0.12	188.0	Pg	18:34:48.374	-0.0											47067
IGT	0.12	188.0	AMl	18:34:52.590								254.6	0.28	a	Ml	4.3
SRN	0.35	311.0	Sg	18:34:58.219	-0.2											47070
SRN	0.35	311.0	Pg	18:34:52.315	-0.3											47069
SRN	0.35	311.0	AMl	18:35:03.440								11.9	0.42	a	Ml	3.2
KEK	0.43	279.0	P	18:34:53.443	-0.2											47071
LKD2	0.89	164.0	Sg	18:35:15.101	0.1											47073
LKD2	0.89	164.0	Pg	18:35:02.233	0.2											47072
KBN	1.03	18.0	Sg	18:35:18.570	0.3											47075
KBN	1.03	18.0	Pg	18:35:04.014	0.1											47074
KBN	1.03	18.0	AMl	18:35:28.310								5.7	0.62	a	Ml	3.6
VLO	1.05	322.0	Pg	18:35:06.591	2.5											47076
VLO	1.05	322.0	AMl	18:35:33.020								20.0	0.42	a	Ml	4.1
THL	1.29	93.0	Sg	18:35:27.038	-0.2											47078
THL	1.29	93.0	Pg	18:35:08.192	-0.9											47077
TIR	1.73	348.0	Sn	18:35:41.001	-0.0											47080
TIR	1.73	348.0	Pn	18:35:17.196	0.3											47079
TIR	1.73	348.0	AMl	18:35:56.330								2.9	1.22	a	Ml	3.8
TIR	1.73	348.0	AMl	18:35:57.780								3.1	0.68	a	Ml	3.8
PHP	2.03	1.0	Sn	18:35:48.482	0.1											47082

_____			m			47081
_____	5.1	1.08	a	M1	4.2	21762
_____			m			47084
_____			m			47083
_____			m			47085
_____			m			47086
_____			m			47087

Official Magnitude:
Ml 4.01

Error ellipse:

	Azim	Dip	Mag
Max:	57	52	7.7100
Intermediate:	150	1	3.8000
Min:	241	38	2.7500

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250734 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3851 2.1 km from Perdika, Epirus, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2020/07/29	22:42:38.39		0.02	39.3873	20.2955				10.2	0.7	5	4	157	0.14	0.66	m		3965

Magnitude	Err	Nsta	Author	OrigID
Ml	1.7	0.0	3	3965

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
IGT	0.15	10.0	S	22:42:43.552	-0.6					---				m		47291
IGT	0.15	10.0	P	22:42:41.694	0.0					---				m		47290
IGT	0.15	10.0	AMl	22:42:43.980						---		11.2	0.28	a	Ml	2.9
KEK	0.50	311.0	S	22:42:56.032	0.1					---				m		47293
KEK	0.50	311.0	P	22:42:48.392	-0.0					---				m		47292
SRN	0.54	336.0	S	22:42:57.050	-0.8					---				m		47295
SRN	0.54	336.0	P	22:42:49.510	0.0					---				m		47294
SRN	0.54	336.0	AMl	22:43:02.300						---		0.0	0.32	a	Ml	0.9
LKD2	0.66	154.0	S	22:43:04.457	3.3					---				m		47297
LKD2	0.66	154.0	P	22:42:51.391	0.0					---				m		47296
LKD2	0.66	154.0	AMl	22:43:10.140						---		0.2	0.24	a	Ml	1.7

DATA_TYPE COMMENT GSE2.1
Event 3851

Official Magnitude:
Ml 1.72

Error ellipse:

	Azim	Dip	Mag
Max:	55	72	0.7500
Intermediate:	244	17	0.1400
Min:	153	3	0.0500

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250734 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3852 1.2 km from Vrachonājs, Epirus, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2020/07/30	04:29:00.29		0.04	39.4107	20.2895				12.3	0.2	8	15	154	0.13	2.27	m		3966

Magnitude	Err	Nsta	Author	OrigID
M1	3.2	0.0	3	3966

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
IGT	0.13	14.0	S	04:29:04.560	-1.2									m		47299
IGT	0.13	14.0	P	04:29:03.384	-0.0									m		47298
IGT	0.13	14.0	AM1	04:29:05.720								515.4	0.24	a	M1	4.6
KEK	0.49	309.0	S	04:29:17.848	0.6									m		47303
KEK	0.49	309.0	P	04:29:09.985	-0.0									m		47302
KEK	0.49	309.0	S	04:29:18.014	0.7									m		47301
KEK	0.49	309.0	P	04:29:09.984	-0.0									m		47300
SRN	0.52	335.0	S	04:29:19.066	0.0									m		47305
SRN	0.52	335.0	P	04:29:11.062	0.1									m		47304
SRN	0.52	335.0	AM1	04:29:27.390								3.3	0.44	a	M1	2.8
LKD2	0.68	155.0	S	04:29:27.001	3.2									m		47307
LKD2	0.68	155.0	P	04:29:13.768	0.0									m		47306
LKD2	0.68	155.0	AM1	04:29:32.620								4.7	0.64	a	M1	3.2
KBN	1.27	17.0	P	04:29:25.853	1.8									m		47308
THL	1.34	0.0	P	04:29:26.320	0.0									m		47310
PHP	2.27	2.0	P	04:29:40.732	0.0									m		47309

DATA TYPE COMMENT GSE2.1
Event 3852

Official Magnitude:
M1 3.18

Error ellipse:

	Azim	Dip	Mag
Max:	240	48	0.2200
Intermediate:	60	41	0.2000
Min:	150	0	0.1100

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1598250734 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 3853 0.2 km from Amygdalāa, Epirus, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2020/07/30	22:49:57.22		0.67	39.5322	20.4678				19.2	1.8	17	34	102	0.11	2.62	m		3967

Magnitude	Err	Nsta	Author	OrigID
M1	2.9	0.0	6	3967

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
IGT	0.11	270.0	Sg	22:50:03.417	-0.2									m		47312
IGT	0.11	270.0	Pg	22:50:00.836	-0.1									m		47311

IGT	0.11	270.0	AMl	22:50:04.760	
SRN	0.50	315.0	Sg	22:50:16.645	1.0
SRN	0.50	315.0	Pg	22:50:07.322	-0.4
SRN	0.50	315.0	AMl	22:50:22.780	
LKD2	0.76	168.0	Sg	22:50:23.425	0.5
LKD2	0.76	168.0	Pg	22:50:11.648	-0.3
LKD2	0.76	168.0	AMl	22:50:32.220	
KBN	1.12	12.0	Sg	22:50:34.435	1.1
KBN	1.12	12.0	Pg	22:50:17.894	0.0
THL	1.20	87.0	Sg	22:50:36.432	-0.2
THL	1.20	87.0	Pg	22:50:19.354	-0.4
VLO	1.20	322.0	Sg	22:50:40.502	5.1
VLO	1.20	322.0	Pg	22:50:21.869	2.8
VLO	1.20	322.0	AMl	22:50:45.810	
TIR	1.87	346.0	Sg	22:50:56.541	-0.3
TIR	1.87	346.0	Pn	22:50:30.904	-0.4
TIR	1.87	346.0	AMl	22:51:06.870	
KLv	1.98	137.0	Sg	22:51:01.055	1.3
KLv	1.98	137.0	Pg	22:50:33.113	0.1
PHP	2.14	0.0	Pn	22:50:35.101	0.0
PHP	2.15	0.0	Sn	22:51:02.048	-1.5
PHP	2.15	0.0	AMl	22:51:13.610	
ITM	2.61	153.0	Pn	22:50:41.444	-0.8
SDA	2.62	344.0	Pn	22:50:40.794	-1.5

DATA_TYPE COMMENT GSE2.1
Event 3853

Official Magnitude:
Ml 2.89

Error ellipse:

	Azim	Dip	Mag
Max:	252	44	2.5400
Intermediate:	39	40	1.2100
Min:	144	17	0.9500

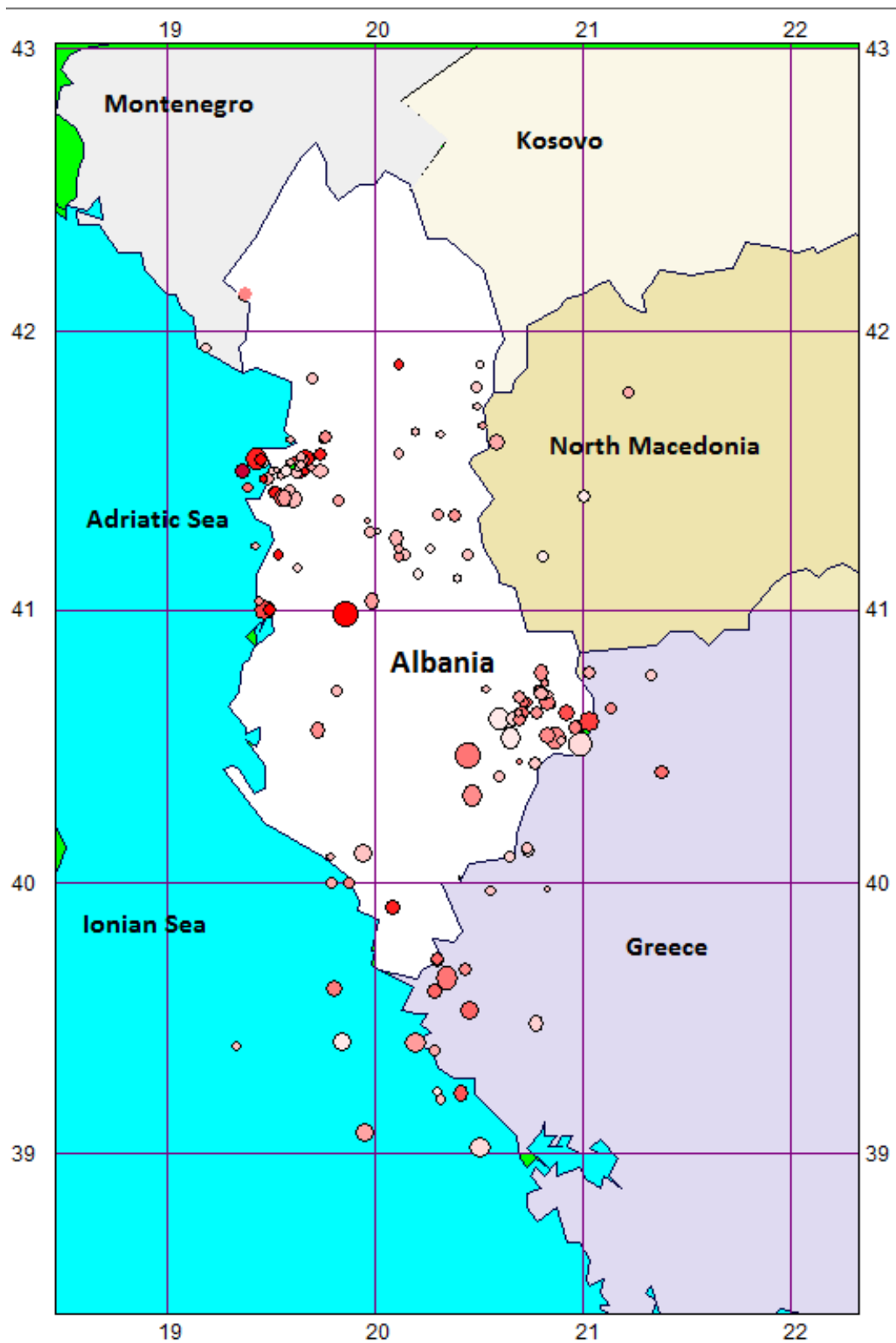
11.0	0.12	a__	Ml	3.0	21868
		m__			47314
		m__			47313
1.2	0.58	a__	Ml	2.3	21869
		m__			47316
		m__			47315
1.6	0.40	a__	Ml	2.8	21870
		m__			47318
		m__			47317
		m__			47320
		m__			47319
		m__			47322
		m__			47321
2.5	0.36	a__	Ml	3.4	21871
		m__			47324
		m__			47323
0.2	0.72	a__	Ml	2.8	21872
		m__			47326
		m__			47325
		m__			47330
		m__			47327
0.3	0.92	a__	Ml	3.1	21873
		m__			47328
		m__			47329

Katalogu i termeteve (Catalog of earthquakes)

Y	M	D	H	M	S	Lat	Long	h	M
2020	7	1	4	23	7	40.475	20.454	17	3.9
2020	7	1	4	23	7	40.476	20.457	17	4
2020	7	2	8	53	30	41.269	20.102	7	1.5
2020	7	3	1	31	34	41.552	19.448	17	1.7
2020	7	4	21	30	52	41.886	20.511	2	1.5
2020	7	5	1	51	1	41.808	20.494	6	1.7
2020	7	5	4	59	23	41.288	20.024	3	1.3
2020	7	5	13	21	3	40.395	20.67	7	1.9
2020	7	5	23	42	40	39.984	20.837	7	1.1
2020	7	6	4	44	5	41.535	19.478	2	1.9
2020	7	6	11	8	5	41.207	19.543	30	1.8
2020	7	6	12	32	46	41.205	20.158	7	2
2020	7	6	12	57	37	39.237	20.37	2	1.5
2020	7	7	20	17	24	41.508	19.516	5	1.4
2020	7	8	22	34	11	39.973	20.565	7	1.8
2020	7	9	2	16	14	41.035	19.992	12	2.5
2020	7	9	22	52	20	40.716	20.541	7	1.5
2020	7	9	22	54	9	40.591	20.641	10	1.6
2020	7	9	23	19	18	40.585	20.655	6	1.7
2020	7	9	23	19	18	40.589	20.657	2	1.5
2020	7	10	9	51	17	40.326	20.477	14	3.2
2020	7	10	15	43	6	40.536	20.665	2	3.4
2020	7	11	15	2	46	41.207	20.451	7	1.7
2020	7	11	20	9	9	40.16	19.792	8	1.4

2020	7	12	15	7	47	40.765	21.338	6	2
2020	7	12	18	10	8	41.52	19.533	7	1.2
2020	7	12	21	55	58	41.53	19.655	45	2.6
2020	7	15	6	32	29	40.518	20.997	4	3.7
2020	7	15	6	32	29	40.518	20.997	4	3.7
2020	7	15	8	34	34	41.563	20.126	7	1.7
2020	7	15	8	44	5	41.601	20.599	10	2.6
2020	7	16	2	9	40	40.025	20.413	7	0.9
2020	7	16	10	2	47	39.483	20.786	5	2.5
2020	7	16	18	41	58	40.533	20.876	14	3.2
2020	7	16	18	46	51	40.547	20.831	14	2.8
2020	7	16	22	49	12	41.645	20.21	7	1.4
2020	7	17	2	13	34	40.702	19.825	8	1.8
2020	7	18	4	24	14	41.834	19.76	7	1.9
2020	7	18	23	58	56	40.125	20.748	2	2.2
2020	7	19	1	30	45	41.226	20.272	2	1.6
2020	7	19	4	56	45	41.5	19.478	23	3.2
2020	7	19	9	43	57	41.473	19.495	10	2.2
2020	7	19	16	18	13	41.237	19.431	7	1.6
2020	7	19	17	41	47	41.039	19.452	13	1.8
2020	7	19	22	23	45	40.18	20.652	5	1.9
2020	7	19	23	31	3	41.428	19.521	30	1.9
2020	7	19	23	58	10	41.548	19.449	15	1.4
2020	7	21	1	15	47	41.418	19.575	4	1.8
2020	7	21	3	45	21	41.426	19.538	29	2.3
2020	7	21	18	34	44	39.652	20.351	17	3.8
2020	7	21	20	11	37	40.564	19.733	14	2.5
2020	7	22	16	28	56	39.619	19.819	16	2.8
2020	7	23	7	38	40	41.403	19.617	8	2.9
2020	7	23	17	23	46	41.541	19.446	28	3.6
2020	7	23	18	55	47	41.473	19.477	30	1.5
2020	7	23	21	8	54	41.445	19.46	17	1.8
2020	7	24	20	41	23	39.85	24.878	20	4

2020	7	25	12	12	17	41.481	19.559	7	1.6
2020	7	26	6	28	41	41.343	20.314	10	1.7
2020	7	26	14	16	4	40.988	19.862	32	4.1
2020	7	26	16	21	27	41.327	19.973	9	1.3
2020	7	27	6	19	45	41.197	20.121	13	1.8
2020	7	27	15	52	20	41.2	19.502	32	2.3
2020	7	27	20	13	14	41.118	20.409	2	1.6
2020	7	27	23	9	3	41.435	19.596	8	1.8
2020	7	29	22	42	38	39.387	20.296	10	1.7
2020	7	30	4	29	0	39.411	20.29	12	3.2
2020	7	30	22	49	57	39.532	20.468	19	2.9
2020	7	31	10	48	47	39.65	20.293	19	2.5
2020	7	31	11	23	6	39.223	20.427	21	2.7



-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 Korrik 2020, bazuar në regjistrimet e ASN dhe stacioneve sizmologjike në rajon.
(*Epicentral map for located seismicity within Albania and surrounding during July 2020*)

1. Statistika e ngjarjeve (Events Statistics)

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

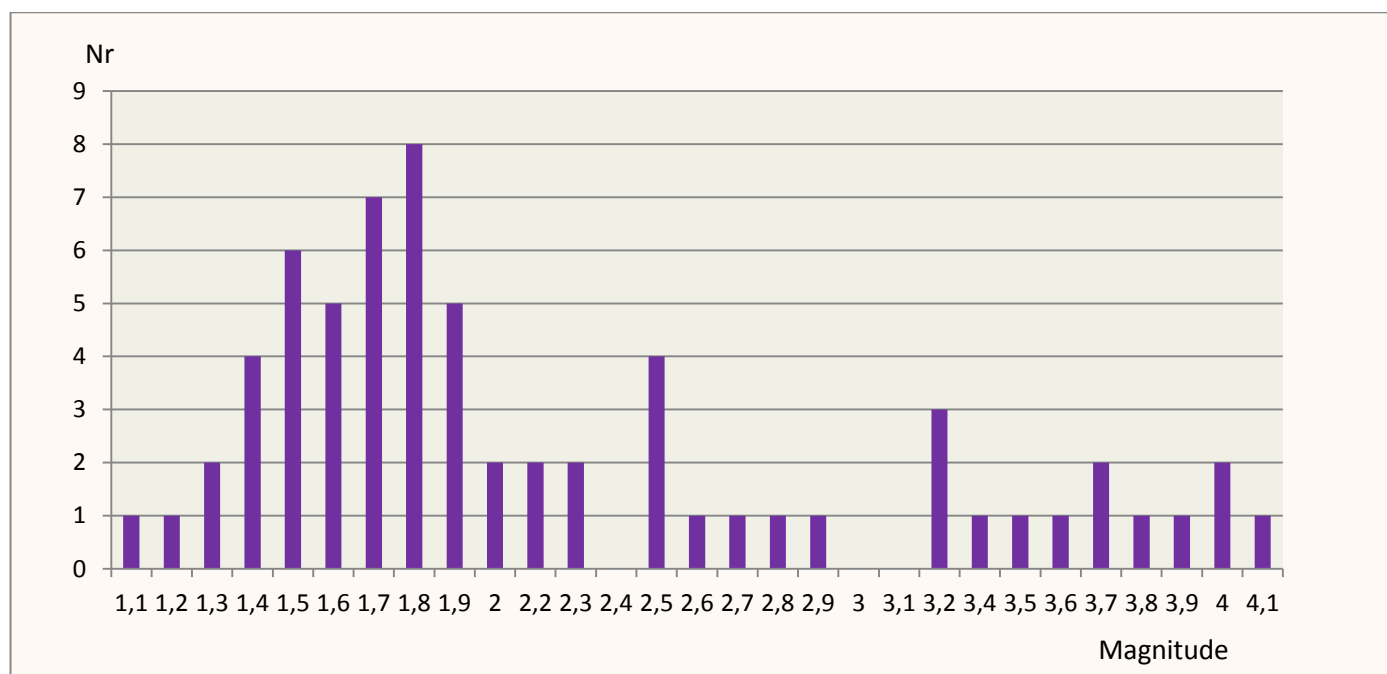
Të dhënat përfaqësuese	Representative Parameters	Vlerat (observed values)
Numuri i përgjithshëm i ngjarjeve të regjistruara (kuandrat 390-430 V; 18.50-21.50L)	[total recorded number of seismic events]	148
Numuri i ngjarjeve sizmike brenda kufirit shtetëror	[earthquakes occurred within state border]	121
Thellësia mesatare e vrojtuar (km)	[mean observed depth]	12
Thellësia maksimale e vrojtuar (km)	[maximum observed depth]	48
Magnituda lokale minimale e vrojtuar (M_L/d)	[minimum observed local magnitude]	0.9
Magnituda lokale maksimale e vrojtuar (M_L/d)	[maximum observed local magnitude]	4.1
Intensiteti maksimal i vrojtuar (MSK-64)	[maximum observed intensity]	V

2. Karakteristikat kryesore të sizmitetit për muajin Korrik 2020

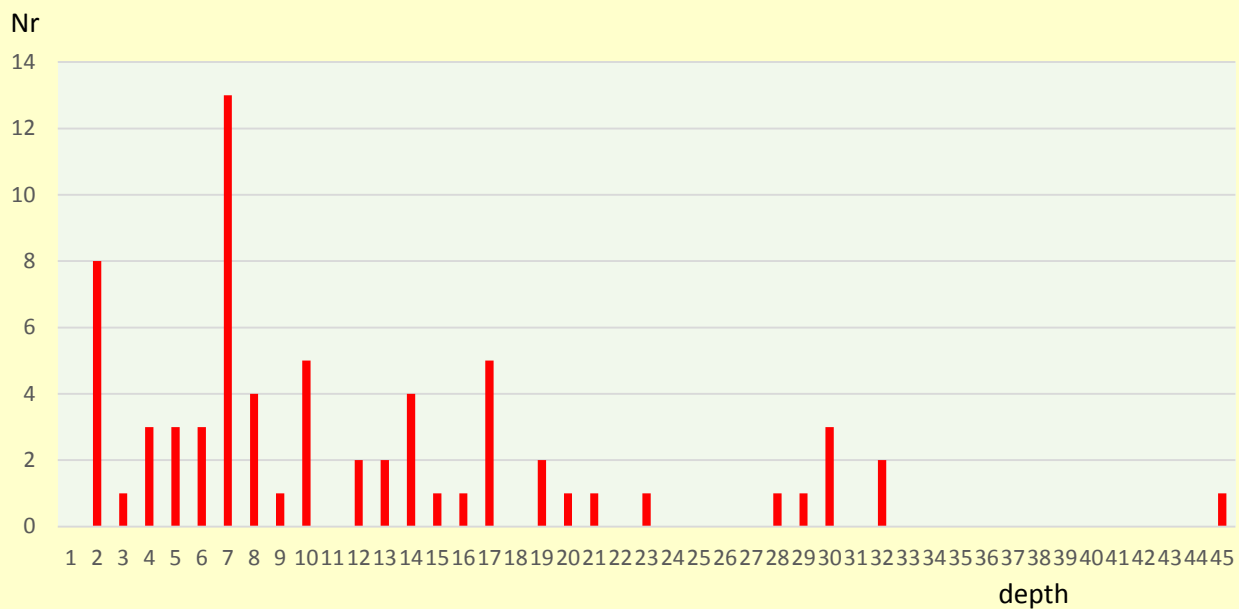
Rrjeti Sizmologjik i Shqipërisë, regjistroi për vendin tone gjat muajit Korrik një sizmitet të nivelit të ulët. Aktiviteti sizmik gjatë këtij muajit u regjistrua kryesisht në perëndim dhe juglindje të Shqipërisë e shprehur me vazhdimin e sekuencave të serive të tërmetit Durrës 26 Nëntor 2019 dhe të Korçës prej 1 Qershorit 2019 me $M_L 5.3$. Në zonën e Durrësit janë lokalizuar 40 tërmete 30 me pak se muajin e kaluar me magnitudë maksimale $M_L=4.1$ Richter. Në zonën e Korçës janë lokalizuar 41 tërmete 14 me shumë se muajin e kaluar me magnitudë maksimale $M_L=4.0$ Richter. Në këtë muaj janë lokalizuar 148 tërmete me magnitudë që variojnë nga 0.9 në 4.1 (Richter), 1 prej tyre me magnitudën më të madhe në vlerën $M_L = 4.1$ (Richter) me epiqendrë në zonën e Lushnjes dhe 15 prej tyre janë me $M_L > = 3.0$ Richter (Fig 2). Frekuenca më e madhe është në nivelin e magnitudës $1.6 < M < 2.7$ (Fig 3). Numuri mesatar i tërmeteve në ditë është mesatarisht 5, numuri maksimumi 15 i regjistruar më datën 3 Korrik në zonën e Korçës. Shumica e tërmeteve lokale rreth 92 % janë shpërndarë në thellësi midis 0 dhe 25 km, me thellësi mesatare 12 km dhe thellësi maksimale 48 km.

2. Main features of seismicity during July 2020

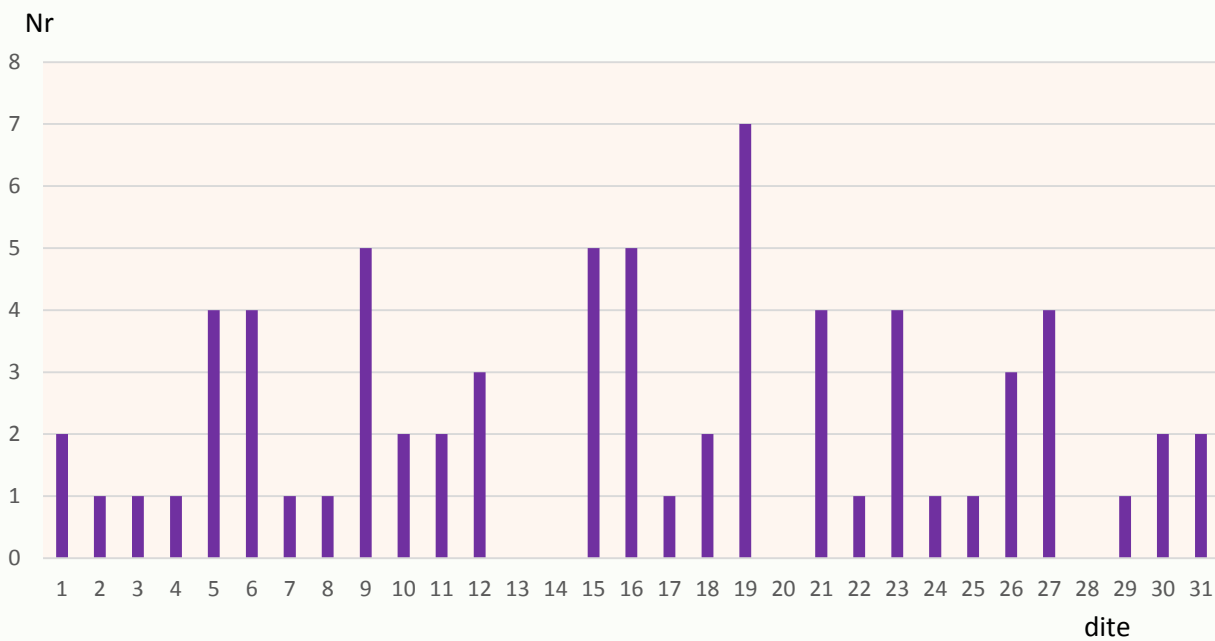
The Albanian Seismological Network recorded a low level seismicity for our country during June month. The largest increase of seismic activity was recorded in the west and southeast of Albania, expressed by the series of the 26 November 2019, Durresi earthquake $M_L=6.3$, and 1 July 2019, Korca earthquake $M_L=5.3$. In the Durres area, 40 earthquakes 30 less than last month with max local magnitude $M_L = 4.1$ Richter have been located. In the Korca area, 41 earthquakes 14 more than last month with local magnitude $M_L = 4.0$ Richter have been located. During this month were located 148 earthquakes of magnitude ranging from 0.9 to 4.1 (Richter), 1 of them with magnitude $M_L = 4.1$ (Richter) in Lushnja area and 15 others with magnitude $M_L \geq 3.0$ (Richter) (Fig 2). Highest frequency is in the magnitude level $1.6 \leq M_L < 2.7$ (Fig 3). The average number of earthquakes per day was 5, and maximum was 15 recorded during 3 July, as a result of continuing of series of Korca earthquakes. Most of local earthquakes about 92.% are distributed in depths between 0 and 25 km, with an average depth of 12 km and a maximum depth of 48 km.



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



-Fig. 4 -
Grafiku i frekuencës së ngjarjeve në lidhje me thellësin.



-Fig. 5 -
Grafiku i shpërndarjes së numurit të ngjarjeve për ditë

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

Ngjarja 1:

Datë 26.07.2020, në orën 14:16:04.10 (UTC); (14:16:05.10 ora lokale); lokalizuar 40.49V; 19.58L, në zonën e Lushnjes. Intensiteti i tërmetit në epiqendër $I_0 = V$ ballë (EMS-98); Ndjerë: IV ballë në qytetin e Lushnjes, III-IV ballë në qytetin e Elbasanit.

(Event 1):

(Intensity $I_0 = V$ degree EMS-98, felt IV degree in town of Lushnje and III—IV in City of Elbasani).

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