

BULETINI MUJOR I SIZMOLOGJIS
(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 pasqyrit kronologjik të aktivitetit sizmik të regjistruar, në territorin Shqipëtar dhe rreth tij, me anë të stacioneve të rrjetit sizmologjik shqipëtar, por edhe të rrjeteve fqinjë, periodiku përmban një analizë të gjithanëshme të parametrave të vlerësuar në drejtim të cilësisë së vlerësimit të tyre dhe statistikës së aktivitetit sizmik në vend. Përmbajtja e buletinit konsiston në terminologjinë përkatëse, në karakteristikat e stacioneve sizmologjik, të dhënat parametrike të vlerësuara nga analiza e çdo tërmeti, në analizën e cilësisë së vlerësimit të këtyre parametrave, në analizën e ngjarjeve të veçanta ($M > 4.0$), nëse ka të tilla, si dhe në përpilimin e katalogut mujor dhe paraqitjen grafike në hartë, të epiqendrave të tërmeteve të lokalizuar. Në procesin e monitorim-regjistrimit dhe lokalizimit të ngjarjeve sizmike kontribuojnë drejtpërdrejtë punonjësit ndihmës-shkencor (laborant): Ing. Ardian Minarolli, Ing. Olgert Gjuzi, Ing. Irena Dushi, Ing. Suela Hajrullai (Inxhinier Gjeolog, Gjeofizik, Fizik/ Monitorues në Qendrën Kombëtare të Sizmologjisë). Në kontrollin dhe analizën e cilësisë së vlerësimit të të dhënave, në analizën statistikore, analizën e ngjarjeve ($M > 4.0$), katalogimin dhe paraqitjen grafike në hartë si dhe përpilimin e këtij buletini, kontribuojnë punonjësit kërkues sizmolog, Prof.Dr. Rrapo Ormeni dhe Dr. Edmond Dushi. Analiza e të dhënave kryhet me anë të programit Hypoinverse-2000 (Pakete rutinash në gjuhën Fortran), me autor Fred W Klein (2002) [*Referenca: Open File Report 02-171, v. 1.0, U. S. Geological Survey, 345 Middlefield Rd., MS#977, Menlo Park CA 94025; klein@usgs.gov*]. Ky program është baza llogaritëse e përdorur nga **Nanometrics** në programin interaktiv të përpunimit dhe lokalizimit të tërmeteve, në sistemin Libra 1, ATLAS (një ndërfaqe grafike në gjuhën Java). Të dhënat e përfutuara ruhen në formatet standart të Hypoinverse 2000, në skedarin hyp.prt dhe atë akiv, që shërbejnë edhe si baza për përpilimin e këtij buletini dhe analizës së kryer.

Briefing:

The seismological bulletin represents a reassume of the seismic events (earthquakes), occurred within Albania and surroundings for a period of one month. These events are permanently recorded, located and further processed by Albanian Seismological Network. This report, along with the chronologic ordering of events, contains a comprehensive analysis of the evaluated parameters as well as the quality of this process. It contains the description of output parameters, parametric data, statistical analysis and quality data analysis, catalogue and epicenter map. Contributing assistant staff are: Eng. Ardian Minarolli, Eng. Olgert Gjuzi, Eng. Irena Dushi and Eng. Suela Hajrullai (Geologists, Geophysicist, Physicist /Observers) and scientific staff: Prof.Dr. Rrapo Ormeni and Dr. Edmond Dushi (Seismologists). Program used for this analysis is Hyponverse 2000 (Klein, 2002; USGS), implicitly implemented in Atlas (Java Interface Nanometrics Firmware), part of Libra 1 VSAT system.

Stacionet Sizmikë (Seismic Stations)

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

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

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

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

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

T_0 – perioda vetjake e reagimit të sizmometrit (sensorit), mbi të cilën ai reagon linearisht si filtër i frekuencave të larta (High-Pass). Ky parametër është karakteristik për një tip të dhënë sensori (Sensor Natural Period)

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

Kodi	Regjistruar (Po/Jo)	Gjer. Gjeo.	Gjat. Gjeo.	Lartesia	Tipi i stacionit	Sensori	Terheqja e Informacionit	Komunikimi	T_0
Station Code	Registered (WDC)	Latitude (degree)	Longitude (degree)	Elev. (m)	Station type	Sensor type	Acquisition system	Communication	Nat.l Period (s)
TIR	Po (Y)	41.3477	19.8650	198	3C-BB	STS-2	Libra VSAT (InterNaqs)	RT satellite	120
BCI	Po (Y)	42.3666	20.0675	500	3C-BB	CMG-40T	Libra VSAT	RT satellite	40
PHP	Po (Y)	41.6847	20.4408	670	3C-BB	Trillium 40T	Libra VSAT	RT satellite	40
SDA	Po (Y)	42.0519	19.4986	80	3C-SP	SM-4	GBV-316	Dial-up	0.2
LACI	Po (Y)	41.6363	19.7094	40	3C-SP	SM-4	GBV-316	Dial-up	0.2
TPE	Po (Y)	40.2952	20.0109	240	3C-SP	SM-4	GBV-316	Dial-up	0.2
LSK	Po (Y)	40.1500	20.6000	920	3C-BB	CMG-40T	Libra VSAT	RT satellite	40
KBN	Po (Y)	40.6236	20.7874	800	3C-BB	Trillium 40T	Libra VSAT	RT satellite	40
VLO	Po (Y)	40.4686	19.4955	80	3C-BB	Trillium 40T	Libra VSAT	RT satellite	40
SRN	Po (Y)	39.8800	20.0005	20	3C-BB	Trillium 40T	Libra VSAT.	RT satellite	40
PUK	Po (Y)	42.0426	19.8926	900	3C-BB	Trillium 40T	Libra VSAT	RT satellite	40
KKS	Po (Y)	42.0756	20.4113	300	3C-SP	SM-4	GBV-316	Dial-up	0.2

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

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

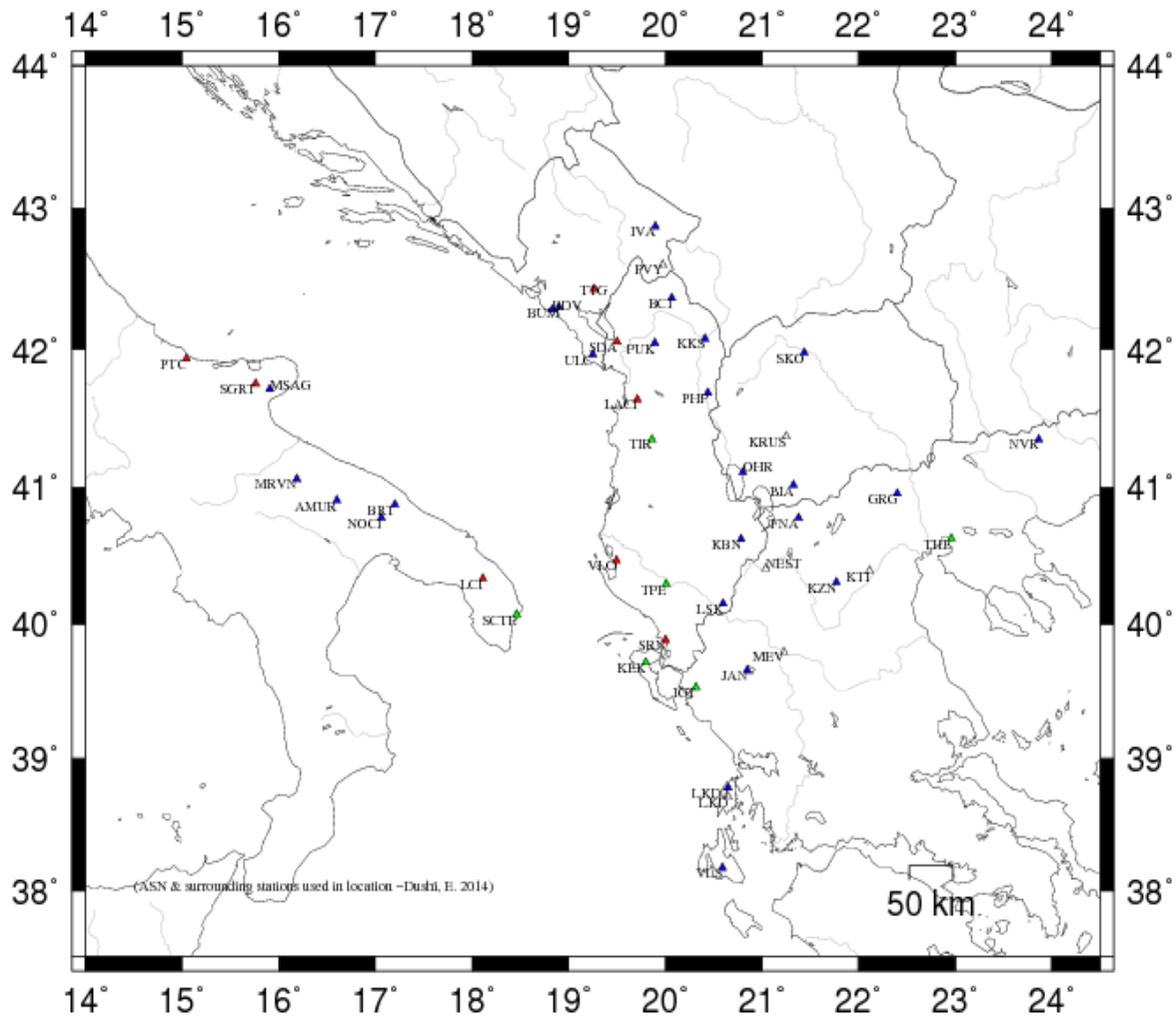
Tab. 3 – Rrjeti Sizmologjik Ndihmës (MSO, SKO, AUTH, NAO, INGV)

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

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

Shënim:

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



-Fig. 1-

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

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

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

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

AVH	Shënime për statusin [<i>status remarks</i>].
N.XMG	Numri i magnitudave bazuar në amplitudë [<i>number of primary amplitude based magnitudes</i>].
X.MMAD	Gabimi i bërë në vlerësimin e ML [<i>weighted median absolute difference for the primary amplitude magnitudes</i>].
T	Kodi i identifikimit për magnitudën XMAG1 [<i>label code for XMAG1</i>].
N.FMAG	Numri i magnitudave, bazuar në zgjatshmërinë e sinjalit [<i>number of primary coda magnitudes</i>].
FMMAD	Gabimi i bërë në vlerësimin e Md [<i>weighted median absolute difference for the primary coda magnitudes</i>].
T	Kodi i identifikimit për magnitudën FMAG1 [<i>label code for FMAG1</i>].

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

II. Informacioni parametrik i ngjarjes (EVENT PARAMETRIC DATA)

STA	Kodi i stacionit me 5-karaktare (station code, max 5 characters). (*) –tregon se për këtë stacion është përdorur një model alternative shpejtësie [<i>alternative crustal velocity model used for that station</i>].
NET	Kodi i rrjetit [<i>the network code</i>].
COM	komponentja e përdorur [<i>3 –letters component code</i>]
C	shkurtimi i kodit të rrjetit (1 karakter) [<i>abbreviation for the station code</i>]
R	Shënimi për stacionin [<i>station remark</i>]
DIST	Distanca epiqendrore [<i>epicentral distance</i>]
AZM	Azimuti stacion-hypoqendër [<i>station azimuth in degree</i>]
AN	Këndi i daljes së rezeve valore në sferën vatrore [<i>emergence angle at the hypocenter</i>]
P/S	Kodi i fazave të përcaktuara nga leximi në formën valore [<i>phase code</i>]
WT	Pesha e vlerësimin të fazave [<i>weighted code</i>].
SEC	Koha e vrojtuar për hyrjet valore [<i>observed arrival time</i>]
TOBS	Koha e vrojtuar e udhëtimit vatër-stacion për fazën sizmike [<i>observed travel time</i>]
TCAL	Koha e llogaritur nga modeli i shpejtësisë për udhëtimin vatër-stacion, të fazës sizmike [<i>calculated travel time</i>].
DLY	Vonesa në kohë, karakteristikë për stacionin [<i>station delay</i>].
RES	Diferenca në kohë-përhapjen, model-vrojtim. [<i>Travel time residuals</i>].
WT	Pesha e normalizuar, përfshirë këtu edhe peshën e caktuar dhënë më sipër [<i>normalized weight</i>].
SR	Kodi i burimit (1 karakter), që zakonisht i referohet rrjetit [<i>1 letter source code</i>]
R	Shënime lidhur me formën valore (sizmogramën), mbartur nga të dhënat fazore [<i>Seismogram remark</i>].
INFO	Informacioni për rëndësinë e kontributit të stacionit apo fazës në zgjidhjen e përgjithshme [<i>the information of the importance of contribution</i>].
CAL	Faktori korrigjues që përdoret në llogaritjen e magnitudës [<i>calibration factor for magnitude calculation</i>].
DUR	Zgjatshmëria e fazës koda (s) [<i>coda duration i sec</i>]
W	Kodi i peshimit 0-4 për magnitudën bazuar në zgjatshmërinë e sinjalit, Md, [<i>duration magnitude weight code</i>].
FMAG	Magnituda Md, për stacionin [<i>duration magnitude for that station</i>].
T	Kodi për llojin e magnitudës [<i>the magnitude type code assigned by FC1 & FC2 commands</i>].

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

Tërmetet Lokalë (Parametric Data for Albanian local Events)

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556785747 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 561 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2019/04/01	11:57:28.97		0.59	41.4682	19.3202				21.3	2.4	32	28	50	0.42	2.87	m	
602																	

Magnitude	Err	Nsta	Author	OrigID
Ml	3.2	0.0	9	602

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.43	0.0	Pg	11:57:39.156	0.0									mdi		9228
TIR	0.43	106.0	Sg	11:57:45.595	0.6									m__		9191
TIR	0.43	106.0	AMl	11:57:45.080								4.3	0.50	a__ Ml	2.8	5179
PUK	0.72	36.0	Sg	11:57:52.840	-0.9									m__		9193
PUK	0.72	36.0	Pg	11:57:42.458	-0.7									mde		9192
PUK	0.72	36.0	AMl	11:57:59.980								2.0	0.46	a__ Ml	2.9	5180
DRME	0.72	353.0	Pn	11:57:43.304	-0.1									mde		9194
PHP	0.87	75.0	Sg	11:57:54.447	-3.7									m__		9196
PHP	0.87	75.0	Pg	11:57:45.268	-0.4									mci		9195
BUM	0.89	340.0	Pn	11:57:47.178	0.9									mde		9197
VLO	1.01	172.0	Pg	11:57:53.395	5.7									mdi		9198
BCI	1.06	31.0	Sg	11:58:04.642	0.3									m__		9200
BCI	1.06	31.0	Pg	11:57:48.284	-0.9									mdi		9199
BCI	1.06	31.0	AMl	11:58:11.210								1.8	0.52	a__ Ml	3.1	5181
CEME	1.12	345.0	Pn	11:57:50.293	-0.1									mci		9201
HCY	1.16	328.0	Pn	11:57:52.778	1.7									mci		9202
PVY	1.23	23.0	Pn	11:57:51.558	-0.7									mci		9203
NKME	1.32	349.0	Pn	11:57:54.375	0.4									mde		9204
KOME	1.39	5.0	Pn	11:57:55.581	0.4									mci		9205
BEY	1.46	16.0	Pn	11:57:55.926	-0.6									mde		9206
SCTE	1.53	206.0	Sn	11:58:18.941	-0.3									m__		9208
SCTE	1.53	206.0	Pn	11:58:01.231	3.5									mci		9207
SCTE	1.53	206.0	AMl	11:58:23.020								1.6	0.56	a__ Ml	3.4	5182
BRY	1.54	339.0	Pn	11:57:58.884	1.0									mdi		9209
LSK	1.64	143.0	Sn	11:58:22.522	0.3									m__		9211
LSK	1.64	143.0	Pn	11:58:01.576	2.2									mce		9210

LSK	1.64	143.0	AM1	11:58:32.790							2.0	0.70	a__	M1	3.6	5183
SRN	1.67	161.0	Sn	11:58:23.916	-0.1									m__		9213
SRN	1.67	161.0	Pn	11:58:00.411	-0.0									mde		9212
NEST	1.68	128.0	Sn	11:58:23.739	0.0									m__		9215
NEST	1.68	128.0	Pn	11:58:00.357	0.1									mdi		9214
NEST	1.68	128.0	AM1	11:58:28.540							0.8	0.68	a__	M1	3.2	5184
FNA	1.70	113.0	Sn	11:58:24.586	0.3									m__		9217
FNA	1.70	113.0	Pn	11:58:01.620	1.0									mce		9216
FNA	1.70	113.0	AM1	11:58:30.200							0.6	0.60	a__	M1	3.1	5185
UPM	1.76	351.0	Pn	11:58:01.440	-0.1									mci		9218
NOCI	1.83	250.0	P	11:58:02.916	0.3									m__		9219
NOCI	1.83	250.0	AM1	11:58:35.430							1.2	0.22	a__	M1	3.4	5186
PLE	1.86	1.0	Pn	11:58:04.454	1.4									mce		9220
IGT	2.08	157.0	Sn	11:58:33.518	-0.8									m__		9222
IGT	2.08	157.0	Pn	11:58:07.068	0.8									mce		9221
MRVN	2.39	262.0	Sn	11:58:42.217	-0.0									m__		9224
MRVN	2.39	262.0	Pn	11:58:10.612	-0.2									mci		9223
SGRT	2.68	278.0	Pn	11:58:14.298	-0.9									mdi		9225
SGRT	2.68	278.0	AM1	11:59:17.780							0.4	0.56	a__	M1	3.4	5187
LKD2	2.87	158.0	Sn	11:58:51.845	-2.6									m__		9227
LKD2	2.87	158.0	Pn	11:58:17.286	-0.5									mdi		9226

DATA_TYPE COMMENT GSE2.1
Event 561

Official Magnitude:
M1 3.20

Error ellipse:

	Azim	Dip	Mag
Max:	24	74	2.5200
Intermediate:	260	8	0.9000
Min:	168	13	0.6800

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785747 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 563 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/02	12:50:33.73		0.16	41.6217	19.6872				2.8	3.2	14	16	161	0.31	1.68	m	
604																	

Magnitude	Err	Nsta	Author	OrigID
M1	2.0	0.0	3	604

Md 2.6 0.0 5 604

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.30	0.0	Pg	12:50:40.399	0.0											9258
TIR	0.30	153.0	Sg	12:50:45.546	0.0											9241
TIR	0.30	153.0	AMl	12:50:44.900								0.8	0.28	a__	Ml	1.9
PUK	0.45	19.0	Sg	12:50:49.936	-0.1											9243
PUK	0.45	19.0	Pg	12:50:43.265	0.2											9242
PUK	0.45	19.0	AMl	12:50:52.040								1.3	0.30	a__	Ml	2.3
PUK	0.45	19.0	AMd	12:51:28.613								0.0	45.35	a__	Md	2.6
ULC	0.47	317.0	Pg	12:50:43.721	0.0											9244
ULC	0.47	317.0	AMd	12:51:16.763								0.0	33.04	a__	Md	2.3
PHP	0.57	83.0	Sg	12:50:53.745	-0.1											9246
PHP	0.57	83.0	Pg	12:50:44.403	-0.8											9245
DRME	0.68	327.0	Pn	12:50:47.685	0.1											9247
DRME	0.68	327.0	AMd	12:51:27.899								0.0	40.21	a__	Md	2.5
BCI	0.80	20.0	Sg	12:51:01.892	0.1											9249
BCI	0.80	20.0	Pg	12:50:49.468	-0.3											9248
BCI	0.80	20.0	AMl	12:51:03.670								0.3	0.30	a__	Ml	2.0
BUM	0.90	320.0	Pn	12:50:51.726	-0.0											9250
BUM	0.90	320.0	AMd	12:51:34.271								0.0	42.55	a__	Md	2.6
PVY	1.00	12.0	Pn	12:50:52.349	-1.3											9251
CEME	1.09	329.0	Pn	12:50:55.003	-0.4											9252
CEME	1.09	329.0	AMd	12:51:38.367								0.0	43.36	a__	Md	2.6
HCY	1.22	314.0	Pn	12:50:57.693	-0.2											9253
KOME	1.23	355.0	Pn	12:50:58.381	0.2											9254
BEY	1.26	7.0	Pn	12:50:57.775	-0.9											9255
NKME	1.27	335.0	Pn	12:50:58.938	0.1											9256
UPM	1.68	341.0	Pn	12:51:06.365	0.1											9257

DATA_TYPE COMMENT GSE2.1
Event 563

Official Magnitude:
Ml 2.01

Error ellipse:

	Azim	Dip	Mag
Max:	271	78	3.2700
Intermediate:	48	8	0.5500
Min:	139	8	0.4200

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785747 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 564 0.5 km from Bellaj, Durres, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/02	19:32:57.18		0.19	41.5137	19.7790				0.1	2.2	11	13	161	0.18	1.35	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.5	0.0	3	605
Md	2.4	0.0	1	605

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
TIR	0.16	0.0	Pg	19:33:02.093	0.0									mdi		9272	
TIR	0.18	158.0	Sg	19:33:04.669	0.1									m__		9259	
TIR	0.18	158.0	AMl	19:33:05.320								0.4	0.28	a__	Ml	1.4	5207
PHP	0.53	70.0	Sg	19:33:16.376	-0.0									m__		9261	
PHP	0.53	70.0	Pg	19:33:08.000	-0.2									mci		9260	
PHP	0.53	70.0	AMl	19:33:17.740								0.3	0.26	a__	Ml	1.7	5208
PHP	0.53	70.0	AMd	19:33:44.074								0.0	36.07	a__	Md	2.4	5206
PUK	0.54	9.0	Sg	19:33:17.194	0.2									m__		9263	
PUK	0.54	9.0	Pg	19:33:08.829	0.3									mde		9262	
PUK	0.54	9.0	AMl	19:33:24.280								0.2	0.42	a__	Ml	1.5	5209
ULC	0.60	319.0	Pg	19:33:09.947	0.1									mci		9264	
DRME	0.80	327.0	Pn	19:33:13.434	-0.4									mde		9265	
BCI	0.88	14.0	S	19:33:28.453	-0.1									m__		9267	
BCI	0.88	14.0	P	19:33:15.195	0.1									m__		9266	
BUM	1.02	321.0	Pn	19:33:18.175	0.2									mdi		9268	
CEME	1.21	329.0	Pn	19:33:21.360	-0.3									mci		9269	
HCY	1.34	315.0	Pn	19:33:24.869	0.8									mci		9270	
KOME	1.35	352.0	Pn	19:33:23.491	-0.7									mci		9271	

DATA_TYPE COMMENT GSE2.1
Event 564

Official Magnitude:
Ml 1.50

Error ellipse:

	Azim	Dip	Mag
Max:	247	73	2.2500
Intermediate:	68	16	0.6100
Min:	158	0	0.4400

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785747 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 565 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/02	23:47:34.39		0.27	41.5453	19.3302				5.8	2.7	11	11	188	0.45	1.74	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.3	0.0	5	606
Md	2.8	0.0	4	606

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.45	0.0	Pg	23:47:42.996	0.0									m		9286
TIR	0.45	115.0	S	23:47:50.200	-0.3									m		9273
TIR	0.45	115.0	AMl	23:47:50.080								1.5	0.46	a	Ml	2.3
PUK	0.65	40.0	Sg	23:47:57.219	0.2									m		9275
PUK	0.65	40.0	Pg	23:47:46.984	-0.4									m		9274
PUK	0.65	40.0	AMl	23:48:04.110								0.3	0.56	a	Ml	1.9
PUK	0.65	40.0	AMd	23:48:38.641								0.0	51.66	a	Md	2.8
PHP	0.84	80.0	S	23:48:02.971	-0.3									m		9277
PHP	0.84	80.0	Pg	23:47:50.017	-0.9									m		9276
PHP	0.84	80.0	AMd	23:48:31.980								0.0	41.96	a	Md	2.6
BCI	0.99	33.0	Sg	23:48:08.466	0.1									m		9279
BCI	0.99	33.0	Pg	23:47:52.630	-1.2									m		9278
BCI	0.99	33.0	AMl	23:48:14.340								0.2	0.62	a	Ml	2.2
BCI	0.99	33.0	AMd	23:48:46.861								0.0	54.23	a	Md	2.9
KBN	1.44	129.0	Sg	23:48:22.806	0.5									m		9281
KBN	1.44	129.0	P	23:48:02.083	0.3									m		9280
KBN	1.44	129.0	AMl	23:48:30.770								0.2	0.62	a	Ml	2.4
KBN	1.44	129.0	AMd	23:48:51.282								0.0	49.20	a	Md	2.8
SCTE	1.61	205.0	Sg	23:48:28.065	-0.4									m		9283
SCTE	1.61	205.0	Pg	23:48:05.531	0.3									m		9282
SCTE	1.61	205.0	AMl	23:48:29.940								0.3	0.26	a	Ml	2.7
LSK	1.69	144.0	Pn	23:48:06.594	-0.1									m		9284
SRN	1.74	162.0	Pn	23:48:08.148	0.1									m		9285

DATA_TYPE COMMENT GSE2.1
Event 565

Official Magnitude:
Ml 2.33

Error ellipse:

	Azim	Dip	Mag
Max:	299	84	2.6600
Intermediate:	118	5	0.8600
Min:	208	0	0.4800

BEGIN GSE2.1

MSG_TYPE DATA
 MSG_ID 1556785747 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 566 1.9 km from Kuthës, Vlorë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/03	09:35:00.95		0.49	40.1122	19.8340				12.7	1.4	24	16	116	0.26	2.22	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	3.1	0.0	6	607
Md	3.5	0.0	3	607

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
SRN	0.26	151.0	Sg	09:35:12.411	0.5									m		9288	
SRN	0.26	151.0	Pg	09:35:06.405	-0.8									mce		9287	
SRN	0.26	151.0	AMl	09:35:14.320								5.6	0.40	a	Ml	2.7	5222
SRN	0.26	151.0	AMd	09:36:50.525								0.0	104.12	a	Md	3.5	5219
VLO	0.44	325.0	Sg	09:35:15.999	0.3									m		9290	
VLO	0.44	325.0	Pg	09:35:08.593	-0.8									mde		9289	
VLO	0.44	325.0	AMl	09:35:21.270								30.5	0.40	a	Ml	3.7	5223
VLO	0.44	325.0	AMd	09:35:45.491								0.0	36.90	a	Md	2.4	5220
LSK	0.59	86.0	Sg	09:35:21.970	0.4									m		9292	
LSK	0.59	86.0	Pg	09:35:11.539	-1.2									mci		9291	
LSK	0.59	86.0	AMl	09:35:26.670								5.4	0.50	a	Ml	3.1	5224
LSK	0.59	86.0	AMd	09:37:07.289								0.0	115.75	a	Md	3.6	5221
BPA1	0.63	348.0	S	09:35:23.379	0.3									m		9294	
BPA1	0.63	348.0	P	09:35:14.010	0.4									m		9293	
BPA1	0.63	348.0	AMl	09:35:42.730								4.0	1.14	a	Ml	3.1	5225
IGT	0.69	146.0	Sn	09:35:26.256	0.9									m		9296	
IGT	0.69	146.0	Pn	09:35:14.637	-0.3									mde		9295	
KBN	0.89	54.0	Sg	09:35:31.199	0.2									m		9298	
KBN	0.89	54.0	Pg	09:35:17.868	-0.2									mde		9297	
KBN	0.89	54.0	AMl	09:35:38.310								2.5	0.54	a	Ml	3.1	5226
NEST	0.98	71.0	Sn	09:35:34.415	-0.2									m		9300	
NEST	0.98	71.0	Pn	09:35:19.529	-0.7									mce		9299	
SCTE	1.04	0.0	Pn	09:35:21.888	0.0									mce		9312	
SCTE	1.05	269.0	Sn	09:35:37.046	0.1									m		9301	
FNA	1.36	60.0	Sn	09:35:46.555	0.0									m		9303	
FNA	1.36	60.0	Pn	09:35:25.955	-1.1									mde		9302	
LKD2	1.47	153.0	Sn	09:35:50.535	0.6									m		9305	
LKD2	1.47	153.0	Pn	09:35:28.340	-0.6									mde		9304	
PHP	1.64	16.0	Sn	09:35:55.513	0.8									m		9307	
PHP	1.64	16.0	Pn	09:35:31.006	-0.6									mci		9306	
PUK	1.93	1.0	Sn	09:36:03.899	0.3									m		9309	
PUK	1.93	1.0	Pn	09:35:34.604	-2.2									mce		9308	
PUK	1.93	1.0	AMl	09:36:07.380								0.9	0.66	a	Ml	3.4	5227
NOCI	2.22	289.0	Sn	09:36:11.192	-0.2									m		9311	

NOCI 2.22 289.0 Pn 09:35:41.358 0.2 _____ mce 9310

DATA_TYPE COMMENT GSE2.1
Event 566

Official Magnitude:
Ml 3.12

Error ellipse:

	Azim	Dip	Mag
Max:	135	81	1.3600
Intermediate:	47	0	0.7200
Min:	317	9	0.5700

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785746 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 568 0.4 km from Mazha e Madhe, Durres, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/04	05:33:00.02		0.17	41.4728	19.6380				19.1	0.9	13	20	204	0.22	1.41	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.5	0.0	3	609
Md	2.5	0.0	2	609

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.21	0.0	Pg	05:33:06.864	0.0					---				mci		9348
TIR	0.21	126.0	Sg	05:33:09.510	-0.0					---				m__		9333
TIR	0.21	126.0	AMl	05:33:15.840						---		1.2	0.36	a__ Ml	2.1	5240
ULC	0.57	330.0	Pg	05:33:12.005	0.3					---				mci		9334
ULC	0.57	330.0	AMd	05:33:48.312						---		0.0	36.31	a__ Md	2.4	5238
PUK	0.60	18.0	Sg	05:33:21.319	0.1					---				m__		9336
PUK	0.60	18.0	Pg	05:33:11.785	-0.4					---				mce		9335
PUK	0.60	18.0	AMl	05:33:23.440						---		2.4	0.40	a__ Ml	2.8	5241
PUK	0.60	18.0	AMd	05:33:51.313						---		0.0	39.53	a__ Md	2.5	5239
PHP	0.64	70.0	Sg	05:33:22.177	0.0					---				m__		9338
PHP	0.64	70.0	Pg	05:33:12.842	0.2					---				mce		9337
DRME	0.79	335.0	Pn	05:33:15.799	0.2					---				mde		9339
BCI	0.95	19.0	Sn	05:33:32.116	0.0					---				m__		9341
BCI	0.95	19.0	Pn	05:33:18.111	-0.2					---				mce		9340
BCI	0.95	19.0	AMl	05:33:33.800						---		0.6	0.38	a__ Ml	2.5	5242
BUM	0.99	327.0	Pn	05:33:19.873	0.6					---				mce		9342
PVY	1.15	12.0	Pn	05:33:21.858	-0.1					---				mci		9343

CEME	1.20	334.0	Pn	05:33:22.673	-0.2	---	mde	9344
KOME	1.38	357.0	Pn	05:33:26.694	0.6	---	mce	9345
NKME	1.39	339.0	Pn	05:33:26.313	0.1	---	mci	9346
BEY	1.41	7.0	Pn	05:33:26.773	0.1	---	mci	9347

DATA_TYPE COMMENT GSE2.1
Event 568

Official Magnitude:
Ml 2.53

Error ellipse:

	Azim	Dip	Mag
Max:	197	55	1.1000
Intermediate:	59	26	0.6800
Min:	319	20	0.4600

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785746 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 569 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/04	18:15:46.10		0.03	41.5582	19.4392				23.6	1.1	18	22	75	0.39	1.95	m	
OrigID 610																	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.1	0.0	6	610
Md	3.0	0.0	13	610

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
TIR	0.38	123.0	Pg	18:15:54.475	0.0									m		9350	
TIR	0.38	123.0	Sg	18:16:00.721	-0.0									m		9349	
TIR	0.38	123.0	AMl	18:16:01.930								0.5	0.48	a	Ml	1.9	5256
TIR	0.38	123.0	AMd	18:16:31.464								0.0	36.99	a	Md	2.4	5243
ULC	0.43	341.0	Pg	18:15:55.184	-0.1									m		9351	
ULC	0.43	341.0	AMd	18:16:44.017								0.0	48.83	a	Md	2.7	5244
PUK	0.59	34.0	Sg	18:16:06.957	0.0									m		9353	
PUK	0.59	34.0	Pg	18:15:58.057	0.1									m		9352	
PUK	0.59	34.0	AMl	18:16:15.880								0.4	0.36	a	Ml	2.0	5257
PUK	0.59	34.0	AMd	18:16:53.418								0.0	55.36	a	Md	2.9	5245
PHP	0.76	80.0	Sg	18:16:11.945	-0.0									m		9355	
PHP	0.76	80.0	Pg	18:16:00.877	0.0									m		9354	
PHP	0.76	80.0	AMl	18:16:20.770								0.1	0.44	a	Ml	1.7	5258
PHP	0.76	80.0	AMd	18:17:03.007								0.0	62.13	a	Md	3.0	5246

BUM	0.84	332.0	Pg	18:16:02.613	-0.0	---											m				9356
BUM	0.84	332.0	AMd	18:17:05.494		---				0.0	62.88	a	Md	3.0							5247
CEME	1.06	339.0	Pg	18:16:06.534	0.1	---															9357
CEME	1.06	339.0	AMd	18:17:13.633		---				0.0	67.10	a	Md	3.1							5248
PVY	1.11	20.0	Pg	18:16:07.342	0.0	---															9358
PVY	1.11	20.0	AMd	18:17:06.851		---				0.0	59.51	a	Md	3.0							5249
HCY	1.14	322.0	Pg	18:16:07.815	0.0	---															9359
HCY	1.14	322.0	AMd	18:17:08.659		---				0.0	60.84	a	Md	3.0							5250
KOME	1.29	2.0	Pg	18:16:10.573	-0.0	---															9360
KOME	1.29	2.0	AMd	18:17:16.798		---				0.0	66.22	a	Md	3.1							5251
SCTE	1.65	207.0	Pn	18:16:16.800	0.0	---															9361
SCTE	1.65	207.0	AM1	18:16:36.240		---				0.6	1.14	a	M1	3.1							5259
SCTE	1.65	207.0	AMd	18:17:09.789		---				0.0	52.99	a	Md	2.9							5252
LSK	1.66	0.0	Pn	18:16:15.532	0.0	---															9368
FNA	1.66	117.0	Sg	18:16:40.030	0.0	---															9363
FNA	1.66	117.0	Pg	18:16:16.876	-0.0	---															9362
FNA	1.66	117.0	AM1	18:16:43.910		---				0.1	0.56	a	M1	2.2							5260
FNA	1.66	117.0	AMd	18:17:23.132		---				0.0	66.26	a	Md	3.1							5253
NEST	1.67	132.0	Sg	18:16:39.925	-0.4	---															9365
NEST	1.67	132.0	Pg	18:16:17.027	-0.0	---															9364
NEST	1.67	132.0	AM1	18:16:50.140		---				0.1	1.16	a	M1	2.4							5261
NEST	1.67	132.0	AMd	18:17:33.984		---				0.0	76.96	a	Md	3.3							5254
NOCI	1.95	248.0	Sn	18:16:47.694	-0.0	---															9367
NOCI	1.95	248.0	Pn	18:16:21.333	0.0	---															9366
NOCI	1.95	248.0	AMd	18:17:28.554		---				0.0	67.22	a	Md	3.2							5255

DATA_TYPE COMMENT GSE2.1
Event 569

Official Magnitude:
M1 2.09

Error ellipse:

	Azim	Dip	Mag
Max:	27	70	1.1400
Intermediate:	210	19	0.3000
Min:	120	1	0.2600

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785746 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 570 5 km from Fterë, Vlorë, Albania

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

2019/04/04 16:28:03.45 0.09 40.0815 19.9377 1.8 1.0 14 12 105 0.21 2.30 m
611

Magnitude	Err	Nsta	Author	OrigID
Ml	2.1	0.0	4	611
Md	3.0	0.0	8	611

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
SRN	0.21	166.0	Sg	16:28:12.296	0.0					---				m		9370
SRN	0.21	166.0	Pg	16:28:08.406	-0.1					---				m		9369
SRN	0.21	166.0	AMl	16:28:15.050						---		1.5	0.38	a	Ml	2.1
SRN	0.21	166.0	AMd	16:28:31.760						---		0.0	23.35	a	Md	1.9
LSK	0.50	0.0	Pg	16:28:13.832	0.0					---				m		9386
LSK	0.51	82.0	Sg	16:28:22.086	0.0					---				m		9371
VLO	0.51	319.0	Sg	16:28:21.597	0.4					---				m		9373
VLO	0.51	319.0	Pg	16:28:12.816	-0.8					---				m		9372
VLO	0.51	319.0	AMd	16:29:05.603						---		0.0	52.79	a	Md	2.8
IGT	0.63	151.0	Sg	16:28:26.247	0.1					---				m		9375
IGT	0.63	151.0	Pg	16:28:16.365	-0.1					---				m		9374
IGT	0.63	151.0	AMl	16:28:28.750						---		0.2	0.18	a	Ml	1.6
IGT	0.63	151.0	AMd	16:29:01.084						---		0.0	44.72	a	Md	2.1
NEST	0.91	68.0	Sn	16:28:35.732	-0.0					---				m		9377
NEST	0.91	68.0	Pn	16:28:21.971	0.1					---				m		9376
NEST	0.91	68.0	AMd	16:29:34.992						---		0.0	73.02	a	Md	3.2
SCTE	1.13	271.0	Sn	16:28:42.738	-0.2					---				m		9379
SCTE	1.13	271.0	Pn	16:28:26.064	0.1					---				m		9378
SCTE	1.13	271.0	AMd	16:29:19.167						---		0.0	53.10	a	Md	2.9
FNA	1.31	57.0	Sn	16:28:48.857	-0.0					---				m		9381
FNA	1.31	57.0	Pn	16:28:29.337	-0.1					---				m		9380
FNA	1.31	57.0	AMl	16:28:53.090						---		0.1	0.70	a	Ml	2.1
FNA	1.31	57.0	AMd	16:29:37.031						---		0.0	67.69	a	Md	3.1
LKD2	1.41	156.0	Sn	16:28:52.943	0.8					---				m		9383
LKD2	1.41	156.0	Pn	16:28:31.234	-0.0					---				m		9382
LKD2	1.41	156.0	AMl	16:28:57.370						---		0.2	0.60	a	Ml	2.5
LKD2	1.41	156.0	AMd	16:29:45.166						---		0.0	73.93	a	Md	3.2
NOCI	2.30	289.0	Sn	16:29:17.618	-0.8					---				m		9385
NOCI	2.30	289.0	Pn	16:28:46.440	0.2					---				m		9384
NOCI	2.30	289.0	AMd	16:30:02.121						---		0.0	75.68	a	Md	3.3

DATA_TYPE COMMENT GSE2.1
Event 570

Official Magnitude:
Ml 2.08

Error ellipse:

	Azim	Dip	Mag
Max:	219	84	0.9500
Intermediate:	338	2	0.3100
Min:	68	5	0.2600

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556785746 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 572 1.0 km from Sasaj, Vlorë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/05	05:54:31.72		0.27	40.0180	19.9025				19.5	0.8	16	11	120	0.15	2.02	m	

Magnitude	Err	Nsta	Author	OrigID
M1	3.2	0.0	7	613

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
SRN	0.16	151.0	Sg	05:54:40.596	0.0									m		9400
SRN	0.16	151.0	Pg	05:54:36.855	0.1									mci		9399
SRN	0.16	151.0	AM1	05:54:42.050								11.2	0.44	a__	M1	5283
VLO	0.55	326.0	Sg	05:54:50.416	0.2									m		9402
VLO	0.55	326.0	Pg	05:54:42.538	0.2									mdi		9401
VLO	0.55	326.0	AM1	05:54:54.960								25.6	0.22	a__	M1	5284
IGT	0.59	145.0	Sn	05:54:52.874	0.2									m		9404
IGT	0.59	145.0	Pn	05:54:44.726	1.0									mde		9403
KBN	0.91	47.0	Sg	05:55:01.631	-0.2									m		9406
KBN	0.91	47.0	Pg	05:54:48.177	-0.8									mdi		9405
KBN	0.91	47.0	AM1	05:55:03.490								2.4	0.38	a__	M1	5285
NEST	0.96	65.0	Sg	05:55:04.603	0.2									m		9408
NEST	0.96	65.0	Pg	05:54:49.220	-1.2									mde		9407
NEST	0.96	65.0	AM1	05:55:08.610								2.5	0.34	a__	M1	5286
SCTE	1.10	274.0	S	05:55:08.516	-0.2									m		9410
SCTE	1.10	274.0	P	05:54:52.671	-0.2									m		9409
SCTE	1.10	274.0	AM1	05:55:11.490								5.2	0.22	a__	M1	5287
TIR	1.33	0.0	Pg	05:54:56.387	0.0									mde		9418
TIR	1.33	359.0	Sg	05:55:15.742	0.0									m		9411
TIR	1.33	359.0	AM1	05:55:19.540								0.9	0.40	a__	M1	5288
LKD2	1.36	154.0	S	05:55:16.739	0.0									m		9413
LKD2	1.36	154.0	P	05:54:55.362	-2.1									m		9412
FNA	1.36	55.0	Sn	05:55:16.938	0.1									m		9415
FNA	1.36	55.0	Pn	05:54:56.997	-0.5									mde		9414
FNA	1.36	55.0	AM1	05:55:21.550								1.8	0.74	a__	M1	5289
PUK	2.02	0.0	S	05:55:35.951	0.4									m		9417
PUK	2.02	0.0	P	05:55:06.189	-2.0									m		9416

DATA_TYPE COMMENT GSE2.1
 Event 572

Official Magnitude:
Ml 3.16

Error ellipse:

	Azim	Dip	Mag
Max:	214	70	0.8100
Intermediate:	68	16	0.4700
Min:	335	11	0.4000

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785746 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 573 1.7 km from Zagrađe, Gusinje, Montenegro

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/05	20:21:55.49		0.11	42.5925	19.8388				6.0	1.1	10	31	79	0.10	1.01	m	614

Magnitude	Err	Nsta	Author	OrigID
Ml	1.8	0.0	2	614
Md	2.2	0.0	1	614

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
PVY	0.10	88.0	Pg	20:21:57.983	-0.0					---				m		9419
BEY	0.28	9.0	Pg	20:22:01.466	-0.0					---				m		9420
BCI	0.28	0.0	Pg	20:22:01.055	0.0					---				m		9431
BCI	0.28	143.0	Sg	20:22:05.681	-0.2					---				m		9421
BCI	0.28	143.0	AMl	20:22:07.050						---		1.3	0.22	a	Ml 2.1	5291
KOME	0.35	318.0	Pg	20:22:02.935	0.1					---				m		9422
PUK	0.55	175.0	Sg	20:22:14.717	-0.1					---				m		9424
PUK	0.55	175.0	Pg	20:22:06.734	0.2					---				m		9423
PUK	0.55	175.0	AMl	20:22:15.420						---		0.2	0.36	a	Ml 1.6	5293
PUK	0.55	175.0	AMl	20:22:15.150						---		0.3	0.44	a	Ml 1.8	5292
PUK	0.55	175.0	AMd	20:22:36.361						---		0.0	29.63	a	Md 2.2	5290
DRME	0.63	231.0	Pg	20:22:08.075	-0.1					---				m		9425
NKME	0.67	286.0	Pg	20:22:08.879	-0.1					---				m		9426
CEME	0.68	267.0	Pg	20:22:08.362	-0.8					---				m		9427
BUM	0.75	248.0	Pg	20:22:10.504	-0.0					---				m		9428
PHP	1.01	153.0	Sn	20:22:30.042	0.2					---				m		9430
PHP	1.01	153.0	Pn	20:22:17.204	2.1					---				m		9429

DATA_TYPE COMMENT GSE2.1
Event 573

Official Magnitude:

M1 1.75

Error ellipse:

	Azim	Dip	Mag
Max:	37	67	1.1900
Intermediate:	242	19	0.5200
Min:	149	9	0.3400

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785746 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 574 1.0 km from Vrist, Vlorë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/06	01:22:25.58		0.21	40.3162	19.6280				8.9	2.2	11	31	181	0.18	1.74	m	
615																	

Magnitude	Err	Nsta	Author	OrigID
M1	2.2	0.0	3	615

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
VLO	0.18	0.0	Pg	01:22:28.426	0.0					---				md_		9444
VLO	0.18	327.0	Sg	01:22:31.693	0.0					---				m_		9432
VLO	0.18	327.0	AM1	01:22:33.320						---		7.4	0.36	a_ M1	2.8	5295
VLO	0.18	327.0	AM1	01:22:32.770						---		4.0	0.18	a_ M1	2.5	5294
SRN	0.52	146.0	Sg	01:22:44.916	0.1					---				m_		9434
SRN	0.52	146.0	Pg	01:22:36.232	-0.3					---				m_		9433
SRN	0.52	146.0	AM1	01:22:48.480						---		0.1	0.34	a_ M1	1.1	5296
LSK	0.76	102.0	Sg	01:22:51.659	-0.3					---				m_		9436
LSK	0.76	102.0	Pg	01:22:40.574	-0.1					---				m_		9435
IGT	0.95	145.0	Sg	01:22:58.744	0.2					---				m_		9438
IGT	0.95	145.0	Pg	01:22:44.212	-0.2					---				m_		9437
NEST	1.09	84.0	Sn	01:23:03.549	0.4					---				m_		9440
NEST	1.09	84.0	Pn	01:22:47.192	0.1					---				m_		9439
FNA	1.42	70.0	Sn	01:23:13.242	-0.2					---				m_		9442
FNA	1.42	70.0	Pn	01:22:53.147	0.3					---				m_		9441
FNA	1.42	70.0	AM1	01:23:16.830						---		0.1	1.12	a_ M1	1.9	5297
PUK	1.74	6.0	Pn	01:22:57.741	-0.7					---				m_		9443

DATA_TYPE COMMENT GSE2.1
Event 574

Official Magnitude:
M1 2.21

Error ellipse:

	Azim	Dip	Mag
Max:	247	70	2.3200
Intermediate:	58	19	0.7200
Min:	149	3	0.4800

MSG_TYPE DATA
 MSG_ID 1556785745 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 575 0.5 km from Lagjja e Shkallës, Berat, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/07	11:15:57.94		0.29	40.7410	19.8952				0.0	1.3	22	31	90	0.18	1.63	m	
OrigID 616																	

Magnitude	Err	Nsta	Author	OrigID
M1	2.1	0.0	12	616

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
BPA1	0.18	265.0	Pg	11:16:02.353	0.1									m		9446
BPA1	0.18	265.0	Sg	11:16:05.662	0.1									m		9445
BPA1	0.18	265.0	AM1	11:16:07.610								4.9	0.68	a	M1	2.5
BPA2	0.21	0.0	Pg	11:16:02.361	0.0									m		9470
BPA2	0.21	268.0	Sg	11:16:06.586	0.0									m		9447
BPA2	0.21	268.0	AM1	11:16:12.920								4.9	0.54	a	M1	2.6
VLO	0.41	229.0	Sg	11:16:12.822	0.3									m		9449
VLO	0.41	229.0	Pg	11:16:06.246	-0.0									m		9448
VLO	0.41	229.0	AM1	11:16:18.160								4.1	0.48	a	M1	2.7
TIR	0.61	358.0	Sg	11:16:20.450	0.0									m		9451
TIR	0.61	358.0	Pg	11:16:10.383	-0.4									m		9450
TIR	0.61	358.0	AM1	11:16:28.600								0.2	0.32	a	M1	1.8
KBN	0.69	99.0	Sg	11:16:22.441	0.1									m		9453
KBN	0.69	99.0	Pg	11:16:11.328	-0.6									m		9452
KBN	0.69	99.0	AM1	11:16:27.690								0.4	0.46	a	M1	2.1
SRN	0.86	174.0	Sg	11:16:29.452	-0.2									m		9455
SRN	0.86	174.0	Pg	11:16:15.792	-0.3									m		9454
SRN	0.86	174.0	AM1	11:16:33.740								0.1	0.42	a	M1	1.8
NEST	0.94	109.0	Sg	11:16:31.513	0.0									m		9457
NEST	0.94	109.0	Pg	11:16:16.414	-0.7									m		9456
NEST	0.94	109.0	AM1	11:16:38.510								0.1	0.36	a	M1	1.8
PHP	1.03	23.0	Sg	11:16:35.179	1.2									m		9459
PHP	1.03	23.0	Pg	11:16:18.082	-0.5									m		9458
PHP	1.03	23.0	AM1	11:16:41.760								0.1	0.78	a	M1	1.7
FNA	1.13	87.0	Sg	11:16:38.032	0.1									m		9461
FNA	1.13	87.0	Pg	11:16:20.378	-0.4									m		9460
FNA	1.13	87.0	AM1	11:16:42.170								0.1	0.80	a	M1	2.0

IGT	1.25	164.0	Sg	11:16:42.195	0.2	---	m	---	9463
IGT	1.25	164.0	Pg	11:16:23.835	0.7	---	m	---	9462
IGT	1.25	164.0	AMl	11:16:48.040		---	0.1	0.66 a	Ml 2.1 5307
SCTE	1.27	240.0	Pn	11:16:21.109	-2.4	---	m	---	9464
SCTE	1.27	240.0	AMl	11:16:46.240		---	0.4	0.50 a	Ml 2.6 5308
PUK	1.30	0.0	Sg	11:16:43.429	0.1	---	m	---	9466
PUK	1.30	0.0	Pg	11:16:24.210	0.3	---	m	---	9465
PUK	1.30	0.0	AMl	11:16:46.110		---	0.2	0.56 a	Ml 2.2 5309
ULC	1.31	339.0	Pn	11:16:23.077	-1.2	---	m	---	9467
BCI	1.63	4.0	Sn	11:16:54.000	0.2	---	m	---	9469
BCI	1.63	4.0	Pn	11:16:29.672	-0.2	---	m	---	9468

DATA_TYPE COMMENT GSE2.1
Event 575

Official Magnitude:
Ml 2.10

Error ellipse:

	Azim	Dip	Mag
Max:	275	85	1.3000
Intermediate:	353	0	0.3700
Min:	83	5	0.3600

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785745 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 576 7 km from Shetaj, Durres, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/08	02:37:24.20		0.31	41.5192	19.4200				16.6	1.6	19	31	117	0.38	1.66	m	617

Magnitude	Err	Nsta	Author	OrigID
Ml	1.7	0.0	6	617

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.39	0.0	Pg	02:37:32.850	0.0					---				md		9492
TIR	0.38	116.0	Sg	02:37:38.506	0.2					---				m		9471
TIR	0.38	116.0	AMl	02:37:39.950						---		0.5	0.46	a	Ml 1.8	5310
ULC	0.46	345.0	Pg	02:37:33.356	-0.5					---				m		9472
PUK	0.63	33.0	Sg	02:37:46.310	-0.0					---				m		9474
PUK	0.63	33.0	Pg	02:37:36.627	-0.2					---				m		9473
PUK	0.63	33.0	AMl	02:37:52.480						---		0.1	0.26	a	Ml 1.6	5312
PUK	0.63	33.0	AMl	02:37:53.550						---		0.1	0.24	a	Ml 1.6	5311

DRME	0.69	346.0	Pg	02:37:37.745	-0.3	---	m	---	9475
PHP	0.78	77.0	Sg	02:37:51.277	0.3	---	m	---	9477
PHP	0.78	77.0	Pg	02:37:39.586	0.1	---	m	---	9476
PHP	0.78	77.0	AM1	02:37:57.590		---	0.1	0.40 a M1	1.5 5314
PHP	0.78	77.0	AM1	02:37:54.490		---	0.1	0.40 a M1	1.7 5313
BUM	0.87	334.0	Pn	02:37:41.284	-0.1	---	m	---	9478
BCI	0.97	29.0	Sg	02:37:57.572	0.3	---	m	---	9480
BCI	0.97	29.0	Pg	02:37:42.155	-1.0	---	m	---	9479
BCI	0.97	29.0	AM1	02:38:04.180		---	0.1	0.58 a M1	1.8 5315
CEME	1.09	341.0	Pn	02:37:45.160	-0.2	---	m	---	9481
PVY	1.15	20.0	Pn	02:37:46.668	0.3	---	m	---	9482
HCY	1.16	324.0	Pn	02:37:46.554	0.1	---	m	---	9483
NKME	1.29	345.0	Pn	02:37:49.076	0.2	---	m	---	9484
KOME	1.33	3.0	Pn	02:37:50.517	1.0	---	m	---	9485
SCTE	1.61	207.0	Sn	02:38:15.923	-1.3	---	m	---	9487
SCTE	1.61	207.0	Pn	02:37:55.078	0.6	---	m	---	9486
NEST	1.65	131.0	Sn	02:38:18.253	-0.4	---	m	---	9489
NEST	1.65	131.0	Pn	02:37:56.724	1.4	---	m	---	9488
NEST	1.65	131.0	AM1	02:38:24.290		---	0.0	0.44 a M1	2.0 5316
FNA	1.66	115.0	Sg	02:38:18.251	-0.4	---	m	---	9491
FNA	1.66	115.0	Pg	02:37:56.379	1.1	---	m	---	9490
FNA	1.66	115.0	AM1	02:38:20.540		---	0.1	0.62 a M1	2.4 5317

DATA_TYPE COMMENT GSE2.1
Event 576

Official Magnitude:
M1 1.71

Error ellipse:

	Azim	Dip	Mag
Max:	51	80	1.5700
Intermediate:	227	9	0.7300
Min:	317	1	0.4800

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785745 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 577 2.0 km from Shqiponjë, Elbasan, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/08	04:17:28.17		0.39	41.0133	20.3837				12.0	2.0	21	31	116	0.49	1.95	m	618

Magnitude Err Nsta Author OrigID

M1 2.3 0.0 8 618

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.50	141.0	Sg	04:17:45.281	0.2									m		9494
KBN	0.50	141.0	Pg	04:17:38.003	0.1									m		9493
KBN	0.50	141.0	AM1	04:17:48.980								2.8	0.68	a	M1	5318
TIR	0.51	0.0	Pg	04:17:38.163	0.0									m	2.7	9516
TIR	0.51	311.0	Sg	04:17:46.671	0.1									m		9495
TIR	0.51	311.0	AM1	04:17:48.920								0.5	0.56	a	M1	5319
PHP	0.67	3.0	Sg	04:17:51.992	0.7									m		9497
PHP	0.67	3.0	Pg	04:17:41.262	-0.1									m		9496
NEST	0.78	139.0	Sg	04:17:55.815	0.3									m		9499
NEST	0.78	139.0	Pg	04:17:43.389	-0.4									m		9498
NEST	0.78	139.0	AM1	04:17:58.440								0.4	0.36	a	M1	5320
FNA	0.79	106.0	Sg	04:17:55.780	-0.1									m		9501
FNA	0.79	106.0	Pg	04:17:43.383	-0.6									m		9500
FNA	0.79	106.0	AM1	04:18:01.630								0.7	0.28	a	M1	5321
LSK	0.88	169.0	Sg	04:17:58.647	0.2									m		9503
LSK	0.88	169.0	Pg	04:17:44.272	-1.2									m		9502
LSK	0.88	169.0	AM1	04:18:04.530								0.7	0.64	a	M1	5322
PUK	1.09	341.0	Sn	04:18:05.811	0.5									m		9505
PUK	1.09	341.0	Pn	04:17:48.945	-0.5									m		9504
PUK	1.09	341.0	AM1	04:18:09.350								0.1	0.36	a	M1	5323
SRN	1.17	195.0	Sn	04:18:10.475	1.9									m		9507
SRN	1.17	195.0	Pn	04:17:51.302	0.0									m		9506
SRN	1.17	195.0	AM1	04:18:13.270								0.1	0.56	a	M1	5324
ULC	1.28	319.0	Pn	04:17:52.162	-0.6									m		9508
BCI	1.37	351.0	Sn	04:18:15.467	1.4									m		9510
BCI	1.37	351.0	Pn	04:17:57.184	2.8									m		9509
BCI	1.37	351.0	AM1	04:18:25.340								0.2	0.42	a	M1	5325
DRME	1.47	324.0	Pn	04:17:55.426	-0.9									m		9511
IGT	1.48	182.0	Pn	04:17:56.834	0.4									m		9512
BUM	1.70	320.0	Pn	04:18:00.544	0.2									m		9513
CEME	1.88	325.0	Pn	04:18:03.602	0.1									m		9514
KOME	1.95	341.0	Pn	04:18:04.533	0.1									m		9515

DATA_TYPE COMMENT GSE2.1
Event 577

Official Magnitude:
M1 2.27

Error ellipse:

	Azim	Dip	Mag
Max:	76	70	2.1200
Intermediate:	236	18	1.0000
Min:	328	6	0.4400

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556785744 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 581 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/10	13:49:24.88		0.23	40.2032	20.6815				4.3	1.2	16	31	129	0.08	1.93	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.7	0.0	9	622
Md	2.4	0.0	1	622

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
LSK	0.08	0.0	Sg	13:49:28.404	0.0									m		9578	
LSK	0.08	231.0	Pg	13:49:26.800	-0.0									md		9560	
LSK	0.08	231.0	AMl	13:49:31.508								218.2	0.52	a	Ml	3.9	5345
NEST	0.35	52.0	Sg	13:49:38.014	0.0									m		9562	
NEST	0.35	52.0	Pg	13:49:32.191	-0.2									m		9561	
NEST	0.35	52.0	AMl	13:49:45.858								4.0	0.42	a	Ml	2.7	5346
KBN	0.43	10.0	Sg	13:49:39.641	-0.1									m		9564	
KBN	0.43	10.0	Pg	13:49:33.532	0.2									m		9563	
KBN	0.43	10.0	AMl	13:49:48.198								1.7	0.58	a	Ml	2.4	5347
SRN	0.61	239.0	Sg	13:49:47.376	-0.0									m		9566	
SRN	0.61	239.0	Pg	13:49:36.638	-1.1									m		9565	
SRN	0.61	239.0	AMl	13:49:53.118								0.8	0.62	a	Ml	2.4	5348
SRN	0.61	239.0	AMd	13:50:12.035								0.0	35.40	a	Md	2.4	5344
IGT	0.72	203.0	Sg	13:49:50.524	0.1									m		9568	
IGT	0.72	203.0	Pg	13:49:39.823	0.4									m		9567	
IGT	0.72	203.0	AMl	13:49:55.238								1.0	0.48	a	Ml	2.5	5349
FNA	0.79	42.0	Sg	13:49:52.784	0.2									m		9570	
FNA	0.79	42.0	Pg	13:49:40.389	-0.3									m		9569	
FNA	0.79	42.0	AMl	13:50:00.228								1.2	0.38	a	Ml	2.7	5350
TIR	1.30	332.0	Sn	13:50:09.546	-0.2									m		9572	
TIR	1.30	332.0	Pn	13:49:50.767	0.3									m		9571	
TIR	1.30	332.0	AMl	13:50:21.478								0.3	0.46	a	Ml	2.5	5351
LKD2	1.41	181.0	Pn	13:49:52.214	-0.3									m		9573	
LKD2	1.41	181.0	AMl	13:50:21.608								1.1	0.58	a	Ml	3.1	5352
PHP	1.49	354.0	Sn	13:50:16.553	1.4									m		9575	
PHP	1.49	354.0	Pn	13:49:54.330	0.7									m		9574	
PHP	1.49	354.0	AMl	13:50:28.028								0.5	0.76	a	Ml	2.9	5353
SCTE	1.70	267.0	Pn	13:49:57.340	-0.3									m		9576	
PUK	1.93	343.0	Pn	13:50:02.140	0.6									m		9577	

DATA_TYPE COMMENT GSE2.1
 Event 581

Official Magnitude:
Ml 2.65

Error ellipse:

	Azim	Dip	Mag
Max:	197	85	1.2100
Intermediate:	303	1	0.6400
Min:	33	5	0.3300

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785744 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 584 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/11	14:19:03.49		0.41	41.4853	19.3618				23.6	2.5	28	27	78	0.40	2.71	m	
OrigID 626																	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.7	0.0	7	626
Md	3.0	0.0	1	626

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.40	0.0	Pg	14:19:12.736	0.0											9639
TIR	0.40	109.0	Sg	14:19:19.147	0.4											9609
TIR	0.40	109.0	AMl	14:19:19.660								3.3	0.36	a__	Ml	2.7
ULC	0.48	351.0	Pg	14:19:13.368	-0.3											9610
PUK	0.68	35.0	Sg	14:19:27.277	0.1											9612
PUK	0.68	35.0	Pg	14:19:16.717	-0.3											9611
PUK	0.68	35.0	AMl	14:19:33.050								1.1	0.44	a__	Ml	2.6
PUK	0.68	35.0	AMd	14:20:22.057								0.0	65.34	a__	Md	3.0
DRME	0.71	350.0	Pn	14:19:17.581	-0.1											9613
PHP	0.83	75.0	Sg	14:19:31.798	0.2											9615
PHP	0.83	75.0	Pg	14:19:19.409	-0.1											9614
PHP	0.83	75.0	AMl	14:19:40.220								0.7	0.92	a__	Ml	2.5
BUM	0.88	338.0	Pn	14:19:21.713	1.0											9616
BCI	1.03	30.0	Sn	14:19:37.762	-0.1											9618
BCI	1.03	30.0	Pn	14:19:22.338	-0.8											9617
BCI	1.03	30.0	AMl	14:19:43.550								0.8	0.58	a__	Ml	2.8
CEME	1.11	343.0	Pn	14:19:24.982	0.2											9619
HCY	1.16	327.0	Pn	14:19:26.704	1.1											9620
NKME	1.31	347.0	Pn	14:19:27.860	-0.5											9621
KOME	1.37	4.0	Pn	14:19:29.520	0.2											9622
KBN	1.38	128.0	P	14:19:29.062	0.0											9623
BEY	1.44	15.0	Pn	14:19:30.832	0.2											9624

SCTE	1.56	207.0	S	14:19:54.544	-0.1	---	m	---	9626
SCTE	1.56	207.0	P	14:19:32.870	0.1	---	m	---	9625
SCTE	1.56	207.0	AMl	14:19:59.220		---	1.0	0.26 a	Ml 3.2 5383
LSK	1.63	144.0	P	14:19:34.810	1.1	---	m	---	9627
SRN	1.68	162.0	S	14:19:57.865	-0.6	---	m	---	9629
SRN	1.68	162.0	P	14:19:34.852	-0.1	---	m	---	9628
SRN	1.68	162.0	AMl	14:20:08.410		---	0.2	0.40 a	Ml 2.5 5384
FNA	1.68	114.0	S	14:19:58.133	0.2	---	m	---	9631
FNA	1.68	114.0	P	14:19:35.428	0.8	---	m	---	9630
FNA	1.68	114.0	AMl	14:20:03.970		---	0.3	0.42 a	Ml 2.8 5385
UPM	1.75	350.0	Pg	14:19:35.666	-0.0	---	mci	---	9632
NOCI	1.87	249.0	S	14:20:03.646	0.6	---	m	---	9634
NOCI	1.87	249.0	P	14:19:37.311	-0.2	---	m	---	9633
IGT	2.09	158.0	S	14:20:08.366	-0.2	---	m	---	9636
IGT	2.09	158.0	P	14:19:39.595	-1.1	---	m	---	9635
MRVN	2.42	261.0	P	14:19:44.061	-1.6	---	m	---	9637
SGRT	2.71	277.0	P	14:19:45.763	-4.2	---	m	---	9638

DATA_TYPE COMMENT GSE2.1
Event 584

Official Magnitude:
Ml 2.69

Error ellipse:

	Azim	Dip	Mag
Max:	25	71	2.6100
Intermediate:	279	5	0.6600
Min:	187	18	0.5100

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785744 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 585 0.6 km from Mercëq, Gjirokastër, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/12	00:44:59.80		0.11	40.1638	20.5058				26.0	1.3	13	31	116	0.07	1.56	m	
627																	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.8	0.0	7	627
Md	2.6	0.0	1	627

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
LSK	0.07	101.0	Sg	00:45:08.394	0.5					---				m		9641

LSK	0.07	101.0	Pg	00:45:04.620	0.2	---											m		9640
LSK	0.07	101.0	AM1	00:45:09.950		---				1.2	0.26	a	M1		2.1		a		5387
LSK	0.07	101.0	Amd	00:45:48.095		---				0.0	43.48	a	Md		2.6		a		5386
SRN	0.48	0.0	Pg	00:45:10.107	0.0	---											md		9654
SRN	0.48	235.0	Sg	00:45:18.370	-0.1	---											m		9642
SRN	0.48	235.0	AM1	00:45:22.510		---				0.2	0.42	a	M1		1.7		a		5389
SRN	0.48	235.0	AM1	00:45:22.080		---				0.2	0.46	a	M1		1.6		a		5388
NEST	0.48	58.0	Sg	00:45:17.713	-0.2	---											m		9644
NEST	0.48	58.0	Pg	00:45:10.156	0.0	---											m		9643
NEST	0.48	58.0	AM1	00:45:19.060		---				0.3	0.48	a	M1		1.8		a		5391
NEST	0.48	58.0	AM1	00:45:19.650		---				0.3	0.26	a	M1		1.7		a		5390
KBN	0.51	24.0	Sg	00:45:17.807	0.1	---											m		9646
KBN	0.51	24.0	Pg	00:45:09.978	-0.1	---											m		9645
KBN	0.51	24.0	AM1	00:45:21.930		---				0.2	0.48	a	M1		1.6		a		5392
IGT	0.65	193.0	Sg	00:45:22.627	-0.1	---											m		9648
IGT	0.65	193.0	Pg	00:45:12.973	0.1	---											m		9647
IGT	0.65	193.0	AM1	00:45:24.360		---				0.2	0.32	a	M1		1.8		a		5393
FNA	0.91	47.0	Sg	00:45:30.945	0.1	---											m		9650
FNA	0.91	47.0	Pg	00:45:17.307	-0.3	---											mc		9649
FNA	0.91	47.0	AM1	00:45:35.260		---				0.1	0.40	a	M1		1.9		a		5394
LKD2	1.38	175.0	Sn	00:45:45.388	0.0	---											m		9652
LKD2	1.38	175.0	Pn	00:45:25.879	0.1	---											m		9651
LKD2	1.38	175.0	AM1	00:45:44.990		---				0.2	1.42	a	M1		2.3		a		5395
SCTE	1.56	268.0	Pn	00:45:29.188	0.3	---											m		9653

DATA_TYPE COMMENT GSE2.1
Event 585

Official Magnitude:
M1 1.75

Error ellipse:

	Azim	Dip	Mag
Max:	312	81	1.3300
Intermediate:	119	8	0.6700
Min:	209	2	0.2500

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785744 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 587 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2019/04/12	18:04:50.31		0.03	39.0468	20.3695				19.7	1.4	6	10	204	0.34	1.46	m		
629																		

Magnitude	Err	Nsta	Author	OrigID
Ml	1.9	0.0	2	629
Md	2.9	0.0	3	629

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
LKD2	0.34	138.0	Sg	18:05:03.360	-0.3					---						9691
LKD2	0.34	138.0	Pg	18:04:57.945	0.0					---						9690
LKD2	0.34	138.0	AMl	18:05:12.680						---		0.4	0.28	a_	Ml	1.7
LKD2	0.34	138.0	AMd	18:05:59.424						---		0.0	61.48	a_	Md	2.9
IGT	0.48	357.0	Sg	18:05:08.121	0.0					---						9693
IGT	0.48	357.0	Pg	18:05:00.439	-0.0					---						9692
IGT	0.48	357.0	AMd	18:05:44.892						---		0.0	44.45	a_	Md	2.0
SRN	0.88	342.0	Sn	18:05:21.258	0.2					---						9694
LSK	1.12	0.0	Pn	18:05:12.785	0.0					---						9697
NEST	1.46	20.0	Sn	18:05:38.472	0.0					---						9696
NEST	1.46	20.0	Pn	18:05:17.846	0.0					---						9695
NEST	1.46	20.0	AMl	18:05:45.180						---		0.1	0.62	a_	Ml	2.0
NEST	1.46	20.0	AMd	18:06:26.937						---		0.0	69.09	a_	Md	3.1

DATA_TYPE COMMENT GSE2.1
Event 587

Official Magnitude:
Ml 1.85

Error ellipse:

	Azim	Dip	Mag
Max:	254	31	2.6900
Intermediate:	95	56	0.8000
Min:	350	10	0.4000

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785743 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 590 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/13	14:22:09.35		0.07	42.0562	19.1663				21.9	1.1	16	22	113	0.11	2.17	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.8	0.0	5	632
Md	2.9	0.0	12	632

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
ULC	0.11	146.0	Pg	14:22:12.604	-0.3					---				m		9726
ULC	0.11	146.0	AMd	14:22:29.782						---		0.0	17.18	a	Md	5429
DRME	0.13	7.0	Pg	14:22:13.251	0.0					---				m		9727
DRME	0.13	7.0	AMd	14:22:57.559						---		0.0	44.31	a	Md	5430
BUM	0.31	321.0	Pg	14:22:16.462	-0.0					---				m		9728
BUM	0.31	321.0	AMd	14:23:06.323						---		0.0	49.86	a	Md	5431
PUK	0.54	91.0	Sg	14:22:28.139	-0.5					---				m		9730
PUK	0.54	91.0	Pg	14:22:20.276	-0.1					---				m		9729
PUK	0.54	91.0	AMl	14:22:30.050						---		2.7	0.14	a	Ml	5441
PUK	0.54	91.0	AMd	14:23:11.225						---		0.0	50.95	a	Md	5432
HCY	0.64	309.0	Pg	14:22:22.218	0.0					---				m		9731
HCY	0.64	309.0	AMd	14:23:25.931						---		0.0	63.71	a	Md	5433
BCI	0.74	0.0	Pg	14:22:23.692	0.0					---				m		9744
BCI	0.74	64.0	Sg	14:22:34.779	-0.0					---				m		9732
BCI	0.74	64.0	AMl	14:22:37.750						---		1.6	0.28	a	Ml	5442
KOME	0.83	17.0	Pg	14:22:25.623	-0.1					---				m		9733
KOME	0.83	17.0	AMd	14:23:29.941						---		0.0	64.32	a	Md	5434
TIR	0.88	143.0	Sg	14:22:39.454	0.1					---				m		9735
TIR	0.88	143.0	Pg	14:22:26.554	0.0					---				m		9734
TIR	0.88	143.0	AMl	14:22:44.690						---		0.4	0.52	a	Ml	5443
TIR	0.88	143.0	AMd	14:23:25.485						---		0.0	58.93	a	Md	5435
BEY	0.98	33.0	Pg	14:22:28.445	0.2					---				m		9736
BEY	0.98	33.0	AMd	14:23:26.228						---		0.0	57.78	a	Md	5436
PHP	1.02	110.0	Sg	14:22:43.316	0.0					---				m		9738
PHP	1.02	110.0	Pg	14:22:28.744	0.0					---				m		9737
PHP	1.02	110.0	AMl	14:22:47.290						---		1.5	0.34	a	Ml	5444
PHP	1.02	110.0	AMd	14:23:22.217						---		0.0	53.47	a	Md	5437
UPM	1.16	351.0	Pg	14:22:31.525	0.0					---				m		9739
UPM	1.16	351.0	AMd	14:23:39.448						---		0.0	67.92	a	Md	5438
SCTE	2.05	196.0	Sn	14:23:12.437	-1.2					---				m		9741
SCTE	2.05	196.0	Pn	14:22:46.152	0.1					---				m		9740
SCTE	2.05	196.0	AMd	14:24:12.721						---		0.0	86.57	a	Md	5439
NEST	2.17	138.0	Sn	14:23:16.835	0.0					---				m		9743
NEST	2.17	138.0	Pn	14:22:47.835	-0.1					---				m		9742
NEST	2.17	138.0	AMl	14:23:31.560						---		0.1	0.40	a	Ml	5445
NEST	2.17	138.0	AMd	14:24:23.400						---		0.0	95.57	a	Md	5440

DATA_TYPE COMMENT GSE2.1
Event 590

Official Magnitude:
Ml 2.77

Error ellipse:

	Azim	Dip	Mag
Max:	27	74	1.0800
Intermediate:	238	12	0.4400
Min:	146	8	0.2800

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556785743 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 591 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/13	17:48:42.52		0.03	41.8297	20.6363				16.0	0.7	19	22	194	0.21	2.40	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.4	0.0	6	633
Md	3.2	0.0	13	633

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
PHP	0.21	226.0	Sg	17:48:50.905	0.0					---				m		9746	
PHP	0.21	226.0	Pg	17:48:47.301	0.0					---				m		9745	
PHP	0.21	226.0	AMl	17:48:53.220						---		1.5	0.12	a	Ml	2.1	5459
PHP	0.21	226.0	AMd	17:49:34.227						---		0.0	46.93	a	Md	2.7	5446
PUK	0.59	292.0	Sg	17:49:03.391	-0.0					---				m		9748	
PUK	0.59	292.0	Pg	17:48:54.460	0.0					---				m		9747	
PUK	0.59	292.0	AMl	17:49:08.580						---		0.8	0.24	a	Ml	2.3	5460
PUK	0.59	292.0	AMd	17:50:01.518						---		0.0	67.06	a	Md	3.1	5447
BCI	0.68	0.0	Pg	17:48:55.327	0.0					---				m		9764	
BCI	0.68	322.0	Sg	17:49:06.363	0.0					---				m		9749	
BCI	0.68	322.0	AMl	17:49:12.270						---		0.8	0.30	a	Ml	2.4	5461
TIR	0.75	231.0	Sg	17:49:08.768	-0.1					---				m		9751	
TIR	0.75	231.0	Pg	17:48:57.567	0.0					---				m		9750	
TIR	0.75	231.0	AMl	17:49:19.100						---		0.4	0.30	a	Ml	2.1	5462
TIR	0.75	231.0	AMd	17:49:59.074						---		0.0	61.51	a	Md	3.0	5448
PVY	0.91	328.0	Pg	17:49:00.418	-0.0					---				m		9752	
PVY	0.91	328.0	AMd	17:50:08.239						---		0.0	67.82	a	Md	3.1	5449
ULC	1.04	278.0	Pg	17:49:02.862	0.1					---				m		9753	
ULC	1.04	278.0	AMd	17:50:06.406						---		0.0	63.54	a	Md	3.0	5450
DRME	1.14	289.0	Pn	17:49:04.418	-0.0					---				m		9754	
DRME	1.14	289.0	AMd	17:50:22.089						---		0.0	77.67	a	Md	3.2	5451
BEY	1.17	333.0	Pn	17:49:05.104	-0.0					---				m		9755	
BEY	1.17	333.0	AMd	17:50:17.201						---		0.0	72.10	a	Md	3.2	5452
BUM	1.38	291.0	Pn	17:49:08.715	0.0					---				m		9756	
BUM	1.38	291.0	AMd	17:50:25.144						---		0.0	76.43	a	Md	3.2	5453
NEST	1.45	167.0	Sn	17:49:30.512	-0.0					---				m		9758	
NEST	1.45	167.0	Pn	17:49:09.976	0.0					---				m		9757	
NEST	1.45	167.0	AMl	17:49:36.970						---		0.3	0.64	a	Ml	2.6	5463
NEST	1.45	167.0	AMd	17:50:21.848						---		0.0	71.87	a	Md	3.2	5454
CEME	1.46	300.0	Pn	17:49:10.286	0.0					---				m		9759	
CEME	1.46	300.0	AMd	17:50:36.956						---		0.0	86.67	a	Md	3.4	5455

LSK	1.68	181.0	Sn	17:49:37.471	0.0	---											m		9761
LSK	1.68	181.0	Pn	17:49:13.918	0.0	---											m		9760
LSK	1.68	181.0	AMl	17:49:45.770		---						0.4	0.50	a	Ml	2.9			5464
LSK	1.68	181.0	AMd	17:50:35.123		---						0.0	81.20	a	Md	3.3			5456
HCY	1.71	292.0	Pn	17:49:14.633	-0.0	---											m		9762
HCY	1.71	292.0	AMd	17:50:42.251		---						0.0	87.62	a	Md	3.4			5457
SCTE	2.40	224.0	Pn	17:49:25.103	0.0	---											m		9763
SCTE	2.40	224.0	AMd	17:50:53.453		---						0.0	88.35	a	Md	3.5			5458

DATA_TYPE COMMENT GSE2.1
Event 591

Official Magnitude:
Ml 2.38

Error ellipse:

	Azim	Dip	Mag
Max:	253	50	0.8700
Intermediate:	66	39	0.4200
Min:	159	3	0.2300

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785743 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 592 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/14	09:46:33.19		0.25	40.1672	20.6952				3.6	1.2	14	11	135	0.07	2.25	m	
635																	

Magnitude	Err	Nsta	Author	OrigID
Ml	3.1	0.0	10	635

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
LSK	0.08	0.0	Pg	09:46:31.964	0.0					---						9798	
LSK	0.08	257.0	Sg	09:46:36.248	-0.0					---						9782	
LSK	0.08	257.0	AMl	09:46:39.500						---		456.8	0.52	a	Ml	4.2	5478
LSK	0.08	257.0	AMl	09:46:37.760						---		413.8	0.70	a	Ml	4.2	5477
NEST	0.37	47.0	Pg	09:46:40.112	-0.9					---						9784	
NEST	0.37	47.0	Sg	09:46:46.754	-0.2					---						9783	
NEST	0.37	47.0	AMl	09:46:48.740						---		8.0	0.36	a	Ml	3.0	5480
NEST	0.37	47.0	AMl	09:46:53.770						---		6.8	0.54	a	Ml	2.9	5479
KBN	0.46	8.0	Pg	09:46:41.325	-1.1					---						9786	
KBN	0.46	8.0	Sg	09:46:49.035	-0.2					---						9785	
KBN	0.46	8.0	AMl	09:46:56.150						---		4.5	0.56	a	Ml	2.8	5482

KBN	0.46	8.0	AM1	09:46:55.870						4.5	0.52	a__	M1	2.8	5481
SRN	0.61	242.0	Pg	09:46:44.781	-1.2							m__			9788
SRN	0.61	242.0	Sg	09:46:55.409	-0.2							m__			9787
SRN	0.61	242.0	AM1	09:46:59.730						2.4	0.40	a__	M1	2.8	5484
SRN	0.61	242.0	AM1	09:46:56.340						1.7	0.46	a__	M1	2.6	5483
IGT	0.69	205.0	Pg	09:46:47.494	0.2							m__			9790
IGT	0.69	205.0	Sg	09:46:57.699	-0.2							m__			9789
TIR	1.34	333.0	Pn	09:46:59.772	0.2							m__			9791
TIR	1.34	333.0	AM1	09:47:24.730						0.7	0.94	a__	M1	2.9	5485
LKD2	1.38	182.0	Pn	09:47:00.489	0.2							m__			9792
LKD2	1.38	182.0	AM1	09:47:29.590						2.2	0.54	a__	M1	3.4	5486
PHP	1.53	353.0	Pn	09:47:02.334	-0.3							m__			9794
PHP	1.53	353.0	Sn	09:47:25.041	0.3							m__			9793
PHP	1.53	353.0	AM1	09:47:34.720						1.2	0.96	a__	M1	3.3	5487
SCTE	1.71	268.0	Pn	09:47:05.402	-0.8							m__			9795
SCTE	1.71	268.0	AM1	09:47:32.750						1.4	0.36	a__	M1	3.4	5488
PUK	1.97	343.0	Pn	09:47:10.556	-0.1							m__			9796
PUK	1.97	343.0	AM1	09:47:46.380						0.6	0.62	a__	M1	3.2	5489
BCI	2.25	349.0	Pn	09:47:15.219	0.4							m__			9797
BCI	2.25	349.0	AM1	09:47:53.470						0.9	0.86	a__	M1	3.5	5490

DATA_TYPE COMMENT GSE2.1
Event 592

Official Magnitude:
M1 3.09

Error ellipse:

	Azim	Dip	Mag
Max:	277	67	1.2600
Intermediate:	123	20	0.6800
Min:	30	9	0.3400

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785743 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 593 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/14	10:18:08.33		0.38	40.1942	20.6630				1.3	0.8	15	30	128	0.06	1.94	m	
636																	

Magnitude	Err	Nsta	Author	OrigID
M1	2.6	0.0	9	636
Md	2.3	0.0	2	636

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
LSK	0.07	229.0	Sg	10:18:11.405	0.4									m		9800
LSK	0.07	229.0	Pg	10:18:09.550	-0.3									m		9799
LSK	0.07	229.0	AM1	10:18:13.150								135.4	0.68	a	M1	3.6
LSK	0.07	229.0	AMd	10:18:48.852								0.0	39.30	a	Md	2.5
NEST	0.35	0.0	Pg	10:18:15.048	0.0									m		9816
NEST	0.37	53.0	Sg	10:18:21.487	-1.0									m		9801
NEST	0.37	53.0	AM1	10:18:28.590								2.7	0.50	a	M1	2.5
KBN	0.44	12.0	Sg	10:18:24.052	-0.0									m		9803
KBN	0.44	12.0	Pg	10:18:16.634	-0.7									m		9802
KBN	0.44	12.0	AM1	10:18:30.630								1.8	0.94	a	M1	2.4
KBN	0.44	12.0	AMd	10:18:45.227								0.0	28.59	a	Md	2.2
SRN	0.60	239.0	Sg	10:18:30.302	-0.6									m		9805
SRN	0.60	239.0	Pg	10:18:19.908	-1.3									m		9804
SRN	0.60	239.0	AM1	10:18:35.420								0.6	0.72	a	M1	2.2
SRN	0.60	239.0	AM1	10:18:36.910								0.6	0.56	a	M1	2.2
IGT	0.71	202.0	Sg	10:18:34.232	0.3									m		9807
IGT	0.71	202.0	Pg	10:18:22.888	-0.1									m		9806
IGT	0.71	202.0	AM1	10:18:42.140								0.7	0.68	a	M1	2.4
LKD2	1.40	181.0	Sn	10:18:56.930	-0.1									m		9809
LKD2	1.40	181.0	Pn	10:18:36.620	0.5									m		9808
LKD2	1.40	181.0	AM1	10:19:04.470								0.5	0.56	a	M1	2.8
PHP	1.50	354.0	Sn	10:18:59.797	0.3									m		9811
PHP	1.50	354.0	Pn	10:18:37.682	0.1									m		9810
PHP	1.50	354.0	AM1	10:19:09.590								0.4	1.00	a	M1	2.8
SCTE	1.69	267.0	Sn	10:19:04.269	-1.5									m		9813
SCTE	1.69	267.0	Pn	10:18:40.862	-0.3									m		9812
SCTE	1.69	267.0	AM1	10:19:05.800								0.3	0.70	a	M1	2.8
PUK	1.94	343.0	Sn	10:19:14.068	0.7									m		9815
PUK	1.94	343.0	Pn	10:18:45.598	0.1									m		9814
PUK	1.94	343.0	AM1	10:19:21.230								0.2	0.64	a	M1	2.8

DATA_TYPE COMMENT GSE2.1
Event 593

Official Magnitude:
M1 2.63

Error ellipse:

	Azim	Dip	Mag
Max:	279	37	1.3700
Intermediate:	123	50	0.9300
Min:	18	12	0.4400

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785742 athena

DATA_TYPE BULLETIN GSE2.1:SHORT

Event 594 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/14	10:48:27.14		0.03	40.2310	20.6765				7.0	12.7	4	7	215	0.34	0.75	m	
OrigID 637																	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.9	0.0	2	637
Md	2.0	0.0	1	637

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
LSK	0.10	0.0	Pg	10:48:28.752	0.0					---				m		9822	
LSK	0.10	217.0	Sg	10:48:30.631	-0.8					---				m		9817	
LSK	0.10	217.0	AMl	10:48:32.760						---		7.8	0.42	a	Ml	2.6	5504
NEST	0.34	57.0	Sg	10:48:39.592	0.0					---				m		9819	
NEST	0.34	57.0	Pg	10:48:34.208	-0.0					---				m		9818	
NEST	0.34	57.0	AMl	10:48:42.680						---		0.1	0.28	a	Ml	1.1	5505
NEST	0.34	57.0	AMd	10:48:58.772						---		0.0	24.56	a	Md	2.0	5503
IGT	0.75	202.0	Sg	10:48:53.255	-0.0					---				m		9821	
IGT	0.75	202.0	Pg	10:48:42.109	0.0					---				m		9820	

DATA_TYPE COMMENT GSE2.1

Event 594

Official Magnitude:

Ml 1.86

Error ellipse:

	Azim	Dip	Mag
Max:	121	85	12.7100
Intermediate:	309	4	3.7500
Min:	219	1	0.3300

BEGIN GSE2.1

MSG_TYPE DATA

MSG_ID 1556785742 athena

DATA_TYPE BULLETIN GSE2.1:SHORT

Event 595 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/14	10:52:22.99		0.03	40.2703	20.6140				0.8	0.9	6	30	195	0.12	0.77	m	
OrigID 638																	

Magnitude Err Nsta Author OrigID
Ml 1.5 0.0 3 638

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
LSK	0.12	0.0	Sg	10:52:27.514	0.0									m		9830
LSK	0.12	186.0	Pg	10:52:25.817	0.0									m		9823
LSK	0.12	186.0	AMl	10:52:28.090								9.0	0.16	a	Ml 2.7	5506
NEST	0.36	66.0	Sg	10:52:37.134	0.0									m		9825
NEST	0.36	66.0	Pg	10:52:31.012	-0.1									m		9824
NEST	0.36	66.0	AMl	10:52:42.900								0.2	0.32	a	Ml 1.4	5507
SRN	0.61	231.0	Pg	10:52:36.202	0.0									m		9827
SRN	0.61	231.0	Sg	10:52:46.084	0.0									m		9826
IGT	0.77	197.0	Sg	10:52:50.704	-0.0									m		9829
IGT	0.77	197.0	Pg	10:52:39.071	0.2									m		9828
IGT	0.77	197.0	AMl	10:52:58.830								0.1	0.66	a	Ml 1.5	5508

DATA_TYPE COMMENT GSE2.1
Event 595

Official Magnitude:
Ml 1.49

Error ellipse:

	Azim	Dip	Mag
Max:	323	76	0.9300
Intermediate:	140	13	0.8300
Min:	230	1	0.2500

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785742 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 596 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/14	11:34:28.98		0.20	40.2225	20.6590				4.0	1.1	6	4	180	0.09	0.73	m	
639																	

Magnitude Err Nsta Author OrigID
Ml 1.3 0.0 3 639
Md 2.0 0.0 1 639

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
LSK	0.09	0.0	P	11:34:31.063	0.0									m		9838
LSK	0.09	213.0	Sg	11:34:32.483	0.0									m		9831
LSK	0.09	213.0	AMl	11:34:33.330								5.4	0.12	a	Ml 2.3	5510

NEST	0.35	57.0	Sg	11:34:42.399	0.2	---											m		9833
NEST	0.35	57.0	Pg	11:34:36.280	-0.3	---											m		9832
NEST	0.35	57.0	AMl	11:34:45.360		---					0.1	0.20	a	Ml	1.1				5511
NEST	0.35	57.0	AMd	11:34:59.424		---					0.0	23.14	a	Md	2.0				5509
SRN	0.61	237.0	Sg	11:34:51.450	0.0	---											m		9835
SRN	0.61	237.0	Pg	11:34:40.414	-1.4	---											m		9834
IGT	0.73	201.0	Sg	11:34:54.832	-0.1	---											m		9837
IGT	0.73	201.0	Pg	11:34:44.309	0.5	---											m		9836
IGT	0.73	201.0	AMl	11:34:56.260		---					0.1	1.02	a	Ml	1.3				5512

DATA_TYPE COMMENT GSE2.1
Event 596

Official Magnitude:
Ml 1.25

Error ellipse:

	Azim	Dip	Mag
Max:	137	12	1.7800
Intermediate:	283	75	1.1000
Min:	45	8	0.4000

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785742 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 597 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/14	11:45:52.70		0.07	40.2690	20.6323				1.1	0.9	6	30	193	0.13	0.77	m	641

Magnitude	Err	Nsta	Author	OrigID
Ml	2.9	0.0	1	641

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
LSK	0.12	193.0	Sg	11:45:57.183	-0.4					---						9846	
LSK	0.12	193.0	Pg	11:45:55.450	-0.0					---						9845	
LSK	0.12	193.0	AMl	11:46:00.010						---		16.5	0.44	a	Ml	2.9	5514
NEST	0.33	0.0	P	11:46:00.740	0.0					---						9851	
NEST	0.35	65.0	S	11:46:06.339	0.0					---						9847	
SRN	0.62	232.0	Sg	11:46:16.046	-0.0					---						9848	
IGT	0.77	198.0	Sg	11:46:20.483	0.0					---						9850	
IGT	0.77	198.0	P	11:46:08.913	0.3					---						9849	

DATA_TYPE COMMENT GSE2.1

Event 597

Official Magnitude:

M1 2.92

Error ellipse:

	Azim	Dip	Mag
Max:	143	49	1.2000
Intermediate:	319	40	0.8900
Min:	51	2	0.2600

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556785742 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 598 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/14	12:03:21.08		0.45	40.1850	20.6825				3.7	1.7	13	10	153	0.07	1.95	m	
OrigID 642																	

Magnitude	Err	Nsta	Author	OrigID
M1	2.6	0.0	6	642

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
LSK	0.09	0.0	Pg	12:03:22.482	0.0					---				m		9866
LSK	0.07	242.0	Sg	12:03:24.154	0.1					---				m		9852
LSK	0.07	242.0	AM1	12:03:26.630						---		54.8	0.54	a	M1	3.3
LSK	0.07	242.0	AM1	12:03:25.990						---		74.4	0.64	a	M1	3.4
NEST	0.36	50.0	Sg	12:03:34.443	-0.2					---				m		9854
NEST	0.36	50.0	Pg	12:03:27.778	-1.1					---				m		9853
NEST	0.36	50.0	AM1	12:03:41.370						---		1.3	0.60	a	M1	2.2
KBN	0.45	10.0	Sg	12:03:36.601	0.0					---				m		9856
KBN	0.45	10.0	Pg	12:03:29.087	-0.9					---				m		9855
KBN	0.45	10.0	AM1	12:03:43.540						---		0.9	0.46	a	M1	2.1
SRN	0.61	241.0	Sg	12:03:42.341	-1.1					---				m		9858
SRN	0.61	241.0	Pg	12:03:32.234	-1.6					---				m		9857
SRN	0.61	241.0	AM1	12:03:47.360						---		0.4	0.36	a	M1	2.0
IGT	0.71	203.0	Sg	12:03:46.661	0.5					---				m		9860
IGT	0.71	203.0	Pg	12:03:35.368	-0.0					---				m		9859
PHP	1.51	354.0	Sn	12:04:12.702	0.7					---				m		9862
PHP	1.51	354.0	Pn	12:03:50.235	0.0					---				m		9861
PHP	1.51	354.0	AM1	12:04:22.360						---		0.2	0.98	a	M1	2.6
SCTE	1.70	268.0	Sn	12:04:17.899	-0.6					---				m		9864
SCTE	1.70	268.0	Pn	12:03:54.002	0.1					---				m		9863
SCTE	1.70	268.0	AM1	12:04:20.370						---		0.2	0.38	a	M1	2.6

PUK 1.95 343.0 Pn 12:03:58.615 0.5 _____ m__ 9865

DATA_TYPE COMMENT GSE2.1
Event 598

Official Magnitude:
Ml 2.56

Error ellipse:

	Azim	Dip	Mag
Max:	234	79	1.7000
Intermediate:	126	3	1.2300
Min:	35	10	0.5600

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785742 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 599 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/14	13:51:46.54		0.38	40.1797	20.7148				1.2	1.2	21	30	135	0.09	2.31	m	
OrigID 643																	

Magnitude	Err	Nsta	Author	OrigID
Ml	3.5	0.0	11	643

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
LSK	0.10	0.0	Pg	13:51:48.396	0.0									m__		9890	
LSK	0.09	252.0	Sg	13:51:50.607	0.3									m__		9867	
LSK	0.09	252.0	AMl	13:51:50.730								386.7	0.74	a__	Ml	4.2	5523
LSK	0.09	252.0	AMl	13:51:51.490								440.6	0.62	a__	Ml	4.3	5522
NEST	0.35	47.0	Sg	13:52:00.054	0.0									m__		9869	
NEST	0.35	47.0	Pg	13:51:53.687	-0.6									m__		9868	
NEST	0.35	47.0	AMl	13:52:03.580								12.0	0.44	a__	Ml	3.1	5525
NEST	0.35	47.0	AMl	13:52:02.370								10.5	0.36	a__	Ml	3.1	5524
KBN	0.45	7.0	Sg	13:52:02.568	0.0									m__		9871	
KBN	0.45	7.0	Pg	13:51:55.055	-0.6									m__		9870	
KBN	0.45	7.0	AMl	13:52:07.700								7.6	0.80	a__	Ml	3.0	5526
SRN	0.63	242.0	Sg	13:52:09.034	-1.0									m__		9873	
SRN	0.63	242.0	Pg	13:51:58.684	-1.3									m__		9872	
SRN	0.63	242.0	AMl	13:52:13.390								2.8	0.72	a__	Ml	2.9	5527
IGT	0.71	205.0	Sg	13:52:12.450	0.2									m__		9875	
IGT	0.71	205.0	Pg	13:52:01.228	-0.0									m__		9874	
IGT	0.71	205.0	AMl	13:52:16.770								3.3	0.64	a__	Ml	3.1	5528
BPA2	1.00	304.0	S	13:52:21.478	-0.4									m__		9876	

TIR	1.33	332.0	Sn	13:52:32.902	-0.1	---	m	---	---	---	---	---	---	---	---	---	9878
TIR	1.33	332.0	Pn	13:52:14.240	1.1	---	m	---	---	---	---	---	---	---	---	---	9877
TIR	1.33	332.0	AM1	13:52:37.240		---	a	1.6	0.66	M1	3.2	---	---	---	---	5529	
LKD2	1.39	182.0	Sn	13:52:35.017	0.2	---	m	---	---	---	---	---	---	---	---	9880	
LKD2	1.39	182.0	Pn	13:52:14.143	0.0	---	m	---	---	---	---	---	---	---	---	9879	
LKD2	1.39	182.0	AM1	13:52:43.250		---	a	2.4	0.52	M1	3.5	---	---	---	---	5530	
PHP	1.52	353.0	Sn	13:52:38.520	0.2	---	m	---	---	---	---	---	---	---	---	9882	
PHP	1.52	353.0	Pn	13:52:16.611	0.5	---	m	---	---	---	---	---	---	---	---	9881	
PHP	1.52	353.0	AM1	13:52:47.310		---	a	2.3	1.26	M1	3.5	---	---	---	---	5531	
SCTE	1.72	268.0	Sn	13:52:43.166	-2.1	---	m	---	---	---	---	---	---	---	---	9884	
SCTE	1.72	268.0	Pn	13:52:19.902	-0.2	---	m	---	---	---	---	---	---	---	---	9883	
SCTE	1.72	268.0	AM1	13:52:44.690		---	a	1.5	0.62	M1	3.5	---	---	---	---	5532	
PUK	1.96	342.0	Sn	13:52:52.757	0.4	---	m	---	---	---	---	---	---	---	---	9886	
PUK	1.96	342.0	Pn	13:52:24.251	0.1	---	m	---	---	---	---	---	---	---	---	9885	
PUK	1.96	342.0	AM1	13:53:00.760		---	a	1.1	0.82	M1	3.5	---	---	---	---	5533	
ULC	2.10	329.0	Pn	13:52:25.042	-1.4	---	m	---	---	---	---	---	---	---	---	9887	
BCI	2.24	348.0	Pn	13:52:28.821	0.4	---	m	---	---	---	---	---	---	---	---	9888	
BCI	2.24	348.0	AM1	13:53:07.110		---	a	2.3	0.92	M1	4.0	---	---	---	---	5534	
DRME	2.31	331.0	Pn	13:52:27.706	-1.9	---	m	---	---	---	---	---	---	---	---	9889	

DATA_TYPE COMMENT GSE2.1
Event 599

Official Magnitude:
M1 3.46

Error ellipse:

	Azim	Dip	Mag
Max:	253	77	1.2400
Intermediate:	112	10	0.6900
Min:	21	8	0.4300

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785741 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 600 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/14	14:12:46.70		0.21	40.1907	20.7068				0.9	0.6	20	30	133	0.09	2.30	m	
644																	

Magnitude	Err	Nsta	Author	OrigID
M1	3.1	0.0	8	644
Md	2.7	0.0	2	644

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
LSK	0.09	244.0	Sg	14:12:50.435	0.0					---				m		9892
LSK	0.09	244.0	Pg	14:12:48.886	0.1					---				m		9891
LSK	0.09	244.0	AMl	14:12:53.980						---		437.5	0.52	a	Ml	4.3
LSK	0.09	244.0	AMd	14:13:26.850						---		0.0	37.96	a	Md	2.4
NEST	0.34	49.0	Sg	14:12:59.437	-0.8					---				m		9894
NEST	0.34	49.0	Pg	14:12:54.202	-0.2					---				m		9893
NEST	0.34	49.0	AMl	14:13:06.150						---		8.6	0.60	a	Ml	3.0
NEST	0.34	49.0	AMd	14:13:56.862						---		0.0	62.66	a	Md	3.0
KBN	0.44	8.0	Sg	14:13:02.450	-0.0					---				m		9896
KBN	0.44	8.0	Pg	14:12:55.440	-0.3					---				m		9895
KBN	0.44	8.0	AMl	14:13:21.220						---		7.2	1.28	a	Ml	3.0
KBN	0.44	8.0	AMl	14:13:19.330						---		8.6	1.46	a	Ml	3.1
SRN	0.63	241.0	Sg	14:13:09.943	-0.3					---				m		9898
SRN	0.63	241.0	Pg	14:12:59.307	-0.8					---				m		9897
SRN	0.63	241.0	AMl	14:13:15.300						---		2.9	0.78	a	Ml	2.9
IGT	0.72	204.0	Sg	14:13:12.778	0.0					---				m		9900
IGT	0.72	204.0	Pg	14:13:01.813	0.2					---				m		9899
VLO	0.97	288.0	Pn	14:13:06.833	1.2					---				m		9901
TIR	1.32	332.0	Sn	14:13:32.666	-0.2					---				m		9903
TIR	1.32	332.0	Pn	14:13:13.136	0.1					---				m		9902
TIR	1.32	332.0	AMl	14:13:38.870						---		1.1	1.02	a	Ml	3.1
LKD2	1.40	182.0	Sn	14:13:35.479	0.1					---				m		9905
LKD2	1.40	182.0	Pn	14:13:14.569	0.0					---				m		9904
LKD2	1.40	182.0	AMl	14:13:41.660						---		2.4	0.78	a	Ml	3.5
PHP	1.51	353.0	Sn	14:13:38.965	0.8					---				m		9907
PHP	1.51	353.0	Pn	14:13:16.374	0.3					---				m		9906
PHP	1.51	353.0	AMl	14:13:47.830						---		1.9	1.10	a	Ml	3.4
SCTE	1.72	267.0	Sn	14:13:45.351	0.0					---				m		9909
SCTE	1.72	267.0	Pn	14:13:19.934	-0.3					---				m		9908
PUK	1.95	342.0	Sn	14:13:52.790	0.6					---				m		9911
PUK	1.95	342.0	Pn	14:13:24.235	0.1					---				m		9910
PUK	1.95	342.0	AMl	14:14:01.260						---		1.0	0.88	a	Ml	3.4
BCI	2.23	0.0	Pn	14:13:29.042	0.0					---				m		9913
DRME	2.30	331.0	Pn	14:13:28.208	-1.4					---				m		9912

DATA_TYPE COMMENT GSE2.1

Event 600

Official Magnitude:

Ml 3.08

Error ellipse:

	Azim	Dip	Mag
Max:	271	73	0.6600
Intermediate:	114	15	0.4900
Min:	22	6	0.2800

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556785741 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 601 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/14	14:15:34.56		0.28	40.1872	20.6113				4.1	0.6	14	10	161	0.04	1.93	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.4	0.0	9	645
Md	2.1	0.0	1	645

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
LSK	0.04	195.0	Sg	14:15:36.690	0.2									m		9915
LSK	0.04	195.0	Pg	14:15:35.300	-0.3									m		9914
LSK	0.04	195.0	AMl	14:15:37.598								51.4	0.18	a	Ml	3.1
LSK	0.04	195.0	AMd	14:16:01.196								0.0	25.90	a	Md	2.1
NEST	0.40	0.0	Pg	14:15:40.723	0.0									m		9931
NEST	0.40	55.0	Sg	14:15:47.260	-2.2									m		9916
NEST	0.40	55.0	AMl	14:15:51.278								0.8	0.28	a	Ml	2.0
NEST	0.40	55.0	AMl	14:15:53.238								0.8	0.46	a	Ml	2.0
KBN	0.46	17.0	Sg	14:15:49.996	-0.4									m		9918
KBN	0.46	17.0	Pg	14:15:42.132	-1.5									m		9917
KBN	0.46	17.0	AMl	14:16:00.538								0.6	0.62	a	Ml	1.9
SRN	0.56	238.0	Sg	14:15:55.198	-0.2									m		9920
SRN	0.56	238.0	Pg	14:15:45.025	-1.4									m		9919
SRN	0.56	238.0	AMl	14:15:58.908								0.3	0.56	a	Ml	1.9
IGT	0.69	199.0	Sg	14:15:58.981	-0.0									m		9922
IGT	0.69	199.0	Pg	14:15:48.221	-0.3									m		9921
IGT	0.69	199.0	AMl	14:16:03.708								0.3	0.42	a	Ml	1.9
LKD2	1.40	178.0	Sn	14:16:22.634	0.2									m		9924
LKD2	1.40	178.0	Pn	14:16:02.086	0.2									m		9923
LKD2	1.40	178.0	AMl	14:16:33.958								0.3	1.12	a	Ml	2.5
LKD2	1.40	178.0	AMl	14:16:31.448								0.3	0.64	a	Ml	2.5
PHP	1.50	356.0	Sn	14:16:25.204	0.0									m		9926
PHP	1.50	356.0	Pn	14:16:04.408	0.9									m		9925
PHP	1.50	356.0	AMl	14:16:35.198								0.2	0.66	a	Ml	2.5
SCTE	1.65	267.0	Sn	14:16:30.001	-0.2									m		9928
SCTE	1.65	267.0	Pn	14:16:06.725	0.4									m		9927
SCTE	1.65	267.0	AMl	14:16:32.108								0.2	0.50	a	Ml	2.6
PUK	1.93	344.0	Sn	14:16:39.106	0.3									m		9930
PUK	1.93	344.0	Pn	14:16:11.276	-0.0									m		9929
PUK	1.93	344.0	AMl	14:16:47.628								0.1	0.82	a	Ml	2.4

DATA_TYPE COMMENT GSE2.1
 Event 601

Official Magnitude:
Ml 2.44

Error ellipse:

	Azim	Dip	Mag
Max:	106	29	0.9000
Intermediate:	251	55	0.6700
Min:	6	17	0.3600

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785741 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 602 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/14	14:38:41.80		0.49	40.2122	20.6530				2.8	2.2	13	30	123	0.07	1.68	m	
OrigID 646																	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.1	0.0	6	646
Md	2.4	0.0	2	646

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
LSK	0.08	0.0	Pg	14:38:43.061	0.0									m		9946
LSK	0.07	214.0	Sg	14:38:45.002	0.2									m		9932
LSK	0.07	214.0	AMl	14:38:47.750								43.0	0.42	a	Ml	3.2
NEST	0.36	56.0	Sg	14:38:55.283	-0.3									m		9934
NEST	0.36	56.0	Pg	14:38:48.344	-1.3									m		9933
NEST	0.36	56.0	AMl	14:38:56.790								1.1	0.20	a	Ml	2.1
NEST	0.36	56.0	AMd	14:39:35.568								0.0	47.22	a	Md	2.7
KBN	0.42	13.0	Sg	14:38:56.852	0.1									m		9936
KBN	0.42	13.0	Pg	14:38:49.409	-0.9									m		9935
KBN	0.42	13.0	AMl	14:39:05.670								0.4	0.50	a	Ml	1.7
KBN	0.42	13.0	AMd	14:39:18.505								0.0	29.10	a	Md	2.2
SRN	0.60	237.0	Sg	14:39:03.547	-0.6									m		9938
SRN	0.60	237.0	Pg	14:38:52.501	-2.1									m		9937
SRN	0.60	237.0	AMl	14:39:07.750								0.1	0.42	a	Ml	1.5
IGT	0.72	201.0	Sg	14:39:07.671	0.1									m		9940
IGT	0.72	201.0	Pg	14:38:56.272	-0.3									m		9939
LKD2	1.42	179.0	Sn	14:39:31.020	0.3									m		9942
LKD2	1.42	179.0	Pn	14:39:11.019	1.3									m		9941
LKD2	1.42	179.0	AMl	14:39:34.620								0.2	0.96	a	Ml	2.4
PHP	1.48	354.0	Sn	14:39:32.357	0.3									m		9944
PHP	1.48	354.0	Pn	14:39:11.386	0.9									m		9943

PHP 1.48 354.0 AM1 14:39:42.020 _____ 0.1 0.68 a__ M1 2.0 5565
 SCTE 1.68 267.0 Pn 14:39:14.217 -0.1 _____ m__ 9945

DATA_TYPE COMMENT GSE2.1
 Event 602

Official Magnitude:
 M1 2.06

Error ellipse:

	Azim	Dip	Mag
Max:	257	80	2.2400
Intermediate:	116	7	1.3400
Min:	25	6	0.5800

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556785741 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 603 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/14	15:15:44.02		0.08	40.2370	20.6382				2.5	0.9	6	6	185	0.09	0.74	m	
OrigID 647																	

Magnitude	Err	Nsta	Author	OrigID
M1	1.6	0.0	3	647

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
NEST	0.00	0.0	Pg	15:15:51.404	0.0									m__		9954
NEST	0.36	60.0	Sg	15:15:57.730	0.0									m__		9949
NEST	0.36	60.0	AM1	15:16:01.108								0.3	0.26	a__ M1	1.6	5569
NEST	0.36	60.0	AM1	15:15:59.738								0.2	0.18	a__ M1	1.3	5568
LSK	0.09	200.0	Sg	15:15:47.709	0.1									m__		9948
LSK	0.09	200.0	Pg	15:15:45.942	-0.1									m__		9947
LSK	0.09	200.0	AM1	15:15:50.638								5.4	0.52	a__ M1	2.4	5567
LSK	0.09	200.0	AM1	15:15:48.008								8.5	0.34	a__ M1	2.5	5566
SRN	0.61	235.0	Sg	15:16:06.517	-0.0									m__		9951
SRN	0.61	235.0	Pg	15:15:56.993	0.1									m__		9950
IGT	0.74	199.0	Sg	15:16:10.505	-0.0									m__		9953
IGT	0.74	199.0	Pg	15:16:01.317	2.2									m__		9952
IGT	0.74	199.0	AM1	15:16:14.088								0.1	0.40	a__ M1	1.3	5570

DATA_TYPE COMMENT GSE2.1
 Event 603

Official Magnitude:
Ml 1.57

Error ellipse:

	Azim	Dip	Mag
Max:	144	46	1.2000
Intermediate:	309	42	0.7800
Min:	46	8	0.3300

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785741 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 604 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/14	16:13:26.75		0.11	40.1608	20.7078				7.9	1.3	7	9	160	0.08	0.69	m	648

Magnitude	Err	Nsta	Author	OrigID
Ml	1.8	0.0	5	648
Md	2.1	0.0	3	648

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
LSK	0.08	263.0	Sg	16:13:30.778	0.1					---				m		9956	
LSK	0.08	263.0	Pg	16:13:28.822	-0.2					---				m		9955	
LSK	0.08	263.0	AMl	16:13:32.400						---		38.2	0.38	a	Ml	3.3	5574
LSK	0.08	263.0	AMd	16:13:54.875						---		0.0	26.05	a	Md	2.1	5571
NEST	0.37	0.0	Pg	16:13:34.055	0.0					---				m		9964	
NEST	0.36	45.0	Sg	16:13:40.008	-0.0					---				m		9957	
NEST	0.36	45.0	AMl	16:13:46.090						---		0.6	0.42	a	Ml	1.9	5576
NEST	0.36	45.0	AMl	16:13:42.570						---		0.5	0.36	a	Ml	1.8	5575
KBN	0.47	7.0	Sg	16:13:42.643	0.0					---				m		9959	
KBN	0.47	7.0	Pg	16:13:36.406	0.6					---				m		9958	
KBN	0.47	7.0	AMl	16:13:47.990						---		0.4	0.44	a	Ml	1.8	5578
KBN	0.47	7.0	AMl	16:13:47.310						---		0.3	0.32	a	Ml	1.6	5577
KBN	0.47	7.0	AMd	16:13:58.599						---		0.0	22.19	a	Md	1.9	5572
SRN	0.61	243.0	Sg	16:13:48.829	-0.1					---				m		9961	
SRN	0.61	243.0	Pg	16:13:39.603	0.2					---				m		9960	
SRN	0.61	243.0	AMl	16:13:53.760						---		0.2	0.40	a	Ml	1.7	5579
SRN	0.61	243.0	AMd	16:14:12.408						---		0.0	32.81	a	Md	2.3	5573
IGT	0.69	205.0	Sg	16:13:51.026	0.0					---				m		9963	
IGT	0.69	205.0	Pg	16:13:41.826	1.2					---				m		9962	
IGT	0.69	205.0	AMl	16:13:57.320						---		0.2	0.66	a	Ml	1.8	5580

DATA_TYPE COMMENT GSE2.1

Event 604

Official Magnitude:

Ml 1.77

Error ellipse:

	Azim	Dip	Mag
Max:	302	67	1.4300
Intermediate:	130	22	0.6700
Min:	39	3	0.2800

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556785741 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 606 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/14	16:27:03.48		0.34	40.2452	20.6492				1.8	1.8	12	30	119	0.10	2.23	m	
OrigID 652																	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.0	0.0	6	652

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
LSK	0.10	203.0	Sg	16:27:07.526	0.0					---				m		10041
LSK	0.10	203.0	Pg	16:27:05.496	-0.3					---				m		10040
LSK	0.10	203.0	AMl	16:27:09.588						---		69.1	0.44	a	Ml 3.5	5614
NEST	0.35	60.0	Sg	16:27:16.330	-0.6					---				m		10043
NEST	0.35	60.0	Pg	16:27:11.056	-0.1					---				m		10042
NEST	0.35	60.0	AMl	16:27:20.678						---		0.6	0.38	a	Ml 1.8	5616
NEST	0.35	60.0	AMl	16:27:20.548						---		0.9	0.38	a	Ml 2.0	5615
KBN	0.39	0.0	Pg	16:27:11.565	0.0					---				m		10054
KBN	0.39	15.0	Sg	16:27:18.092	0.5					---				m		10044
KBN	0.39	15.0	AMl	16:27:20.558						---		0.4	0.46	a	Ml 1.7	5617
SRN	0.62	234.0	Sg	16:27:25.143	-1.4					---				m		10046
SRN	0.62	234.0	Pg	16:27:16.729	0.1					---				m		10045
SRN	0.62	234.0	AMl	16:27:31.228						---		0.2	0.42	a	Ml 1.7	5618
IGT	0.75	200.0	Sg	16:27:28.549	-1.9					---				m		10048
IGT	0.75	200.0	Pg	16:27:18.913	0.0					---				m		10047
IGT	0.75	200.0	AMl	16:27:36.888						---		0.3	0.32	a	Ml 2.0	5619
LKD2	1.45	179.0	Sn	16:27:53.834	0.2					---				m		10050
LKD2	1.45	179.0	Pn	16:27:32.370	0.2					---				m		10049
LKD2	1.45	179.0	AMl	16:28:01.288						---		0.2	0.74	a	Ml 2.4	5620
SCTE	1.68	265.0	Sn	16:28:00.088	-0.5					---				m		10052
SCTE	1.68	265.0	Pn	16:27:37.111	1.0					---				m		10051

DRME 2.23 331.0 Pn 16:27:45.277 0.1 _____ m__ 10053

DATA_TYPE COMMENT GSE2.1
Event 606

Official Magnitude:
Ml 2.00

Error ellipse:

	Azim	Dip	Mag
Max:	158	84	1.8300
Intermediate:	300	4	0.8700
Min:	30	4	0.4900

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785740 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 607 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/14	16:44:21.11		0.04	40.2803	20.5818				1.2	0.9	7	8	200	0.13	1.49	m	

OrigID 653

Magnitude	Err	Nsta	Author	OrigID
Ml	1.3	0.0	3	653
Md	1.6	0.0	1	653

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
LSK	0.13	174.0	Sg	16:44:25.786	-0.5					_____				m__		10056	
LSK	0.13	174.0	Pg	16:44:24.036	-0.1					_____				m__		10055	
LSK	0.13	174.0	AMl	16:44:27.160						_____		9.4	0.22	a__	Ml	2.7	5622
LSK	0.13	174.0	AMd	16:44:40.877						_____		0.0	16.84	a__	Md	1.6	5621
NEST	0.38	0.0	Pg	16:44:29.596	0.0					_____				m__		10063	
NEST	0.38	69.0	Sg	16:44:35.768	0.0					_____				m__		10057	
NEST	0.38	69.0	AMl	16:44:37.570						_____		0.1	0.30	a__	Ml	1.2	5623
SRN	0.60	229.0	Sg	16:44:43.658	-0.0					_____				m__		10059	
SRN	0.60	229.0	Pg	16:44:34.053	0.0					_____				m__		10058	
IGT	0.77	195.0	S	16:44:48.892	0.0					_____				m__		10061	
IGT	0.77	195.0	Pg	16:44:36.991	0.0					_____				m__		10060	
IGT	0.77	195.0	AMl	16:44:52.100						_____		0.1	0.28	a__	Ml	1.3	5624
LKD2	1.49	177.0	Pn	16:44:52.379	1.9					_____				m__		10062	

DATA_TYPE COMMENT GSE2.1
Event 607

Official Magnitude:
Ml 1.29

Error ellipse:

	Azim	Dip	Mag
Max:	152	72	0.9700
Intermediate:	323	17	0.8200
Min:	54	3	0.2900

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785740 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 608 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/14	19:11:54.81		0.37	40.1690	20.6922				4.3	1.2	15	9	135	0.07	1.97	m	
OrigID 655																	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.6	0.0	8	655

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
LSK	0.07	0.0	Pg	19:11:56.096	0.0					---				m		10097
LSK	0.07	256.0	Sg	19:11:57.926	0.0					---				m		10081
LSK	0.07	256.0	AMl	19:12:00.930						---		168.6	0.44	a	Ml	3.8
NEST	0.37	47.0	Pg	19:12:01.526	-1.1					---				m		10083
NEST	0.37	47.0	Sg	19:12:08.000	-0.4					---				m		10082
NEST	0.37	47.0	AMl	19:12:13.490						---		1.9	0.54	a	Ml	2.3
KBN	0.46	9.0	Pg	19:12:02.803	-1.1					---				m		10085
KBN	0.46	9.0	Sg	19:12:10.326	-0.4					---				m		10084
KBN	0.46	9.0	AMl	19:12:17.280						---		1.3	0.50	a	Ml	2.3
SRN	0.60	242.0	Pg	19:12:06.066	-1.4					---				m		10087
SRN	0.60	242.0	Sg	19:12:16.405	-0.6					---				m		10086
SRN	0.60	242.0	AMl	19:12:17.810						---		0.6	0.46	a	Ml	2.2
IGT	0.70	204.0	Pg	19:12:09.194	0.3					---				m		10089
IGT	0.70	204.0	Sg	19:12:19.307	-0.1					---				m		10088
IGT	0.70	204.0	AMl	19:12:24.710						---		0.7	0.60	a	Ml	2.4
LKD2	1.38	182.0	Pn	19:12:22.188	0.4					---				m		10091
LKD2	1.38	182.0	Sn	19:12:42.182	0.1					---				m		10090
LKD2	1.38	182.0	AMl	19:12:51.030						---		0.5	0.50	a	Ml	2.8
PHP	1.53	353.0	Pn	19:12:25.001	0.8					---				m		10093
PHP	1.53	353.0	Sn	19:12:46.429	0.3					---				m		10092
PHP	1.53	353.0	AMl	19:12:56.160						---		0.4	1.04	a	Ml	2.8
SCTE	1.71	268.0	Pn	19:12:27.391	-0.3					---				m		10094
PUK	1.97	343.0	Pn	19:12:32.210	0.1					---				m		10096

PUK 1.97 343.0 Sn 19:13:00.533 0.4 _____ m____ 10095
 PUK 1.97 343.0 AM1 19:13:07.780 _____ 0.2 0.62 a____ M1 2.8 5640

DATA_TYPE COMMENT GSE2.1
 Event 608

Official Magnitude:
 M1 2.57

Error ellipse:

	Azim	Dip	Mag
Max:	274	63	1.3600
Intermediate:	117	25	0.7800
Min:	23	9	0.4300

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556785740 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 609 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/14	20:46:39.08		0.25	40.1998	20.6697				4.9	0.7	15	30	128	0.07	2.21	m	
OrigID 656																	

Magnitude	Err	Nsta	Author	OrigID
M1	2.7	0.0	6	656
Md	3.3	0.0	1	656

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
LSK	0.07	228.0	Sg	20:46:42.358	0.1					_____				m____		10099
LSK	0.07	228.0	Pg	20:46:40.632	-0.3					_____				m____		10098
LSK	0.07	228.0	AM1	20:46:44.700						_____		270.7	0.56	a____ M1	4.0	5642
LSK	0.07	228.0	AMd	20:48:08.165						_____		0.0	87.53	a____ Md	3.3	5641
NEST	0.36	53.0	Sg	20:46:52.208	-0.2					_____				m____		10101
NEST	0.36	53.0	Pg	20:46:45.979	-0.7					_____				m____		10100
NEST	0.36	53.0	AM1	20:46:55.630						_____		3.4	0.30	a____ M1	2.6	5643
KBN	0.43	11.0	Sg	20:46:54.047	0.1					_____				m____		10103
KBN	0.43	11.0	Pg	20:46:47.201	-0.4					_____				m____		10102
KBN	0.43	11.0	AM1	20:47:06.320						_____		2.2	1.26	a____ M1	2.5	5644
SRN	0.61	239.0	Sg	20:47:00.776	-0.4					_____				m____		10105
SRN	0.61	239.0	Pg	20:46:50.390	-1.3					_____				m____		10104
SRN	0.61	239.0	AM1	20:47:04.660						_____		0.7	0.52	a____ M1	2.3	5645
IGT	0.72	202.0	Sg	20:47:04.408	0.1					_____				m____		10107
IGT	0.72	202.0	Pg	20:46:53.762	0.3					_____				m____		10106
LKD2	1.41	181.0	Sn	20:47:27.061	-0.2					_____				m____		10109

LKD2	1.41	181.0	Pn	20:47:06.996	0.4	---											m		10108			
LKD2	1.41	181.0	AMl	20:47:32.290		---											0.5	0.66	a	Ml	2.8	5646
PHP	1.49	354.0	Pn	20:47:07.998	0.2	---													m			10110
SCTE	1.69	267.0	Pn	20:47:11.538	-0.1	---													m			10111
PUK	1.93	343.0	Sn	20:47:43.232	0.0	---													m			10113
PUK	1.93	343.0	Pn	20:47:16.055	0.3	---													m			10112
PUK	1.93	343.0	AMl	20:47:50.680		---											0.2	0.82	a	Ml	2.7	5647
BCI	2.21	0.0	Pn	20:47:21.105	0.0	---													m			10114

DATA_TYPE COMMENT GSE2.1
Event 609

Official Magnitude:
Ml 2.66

Error ellipse:

	Azim	Dip	Mag
Max:	278	50	0.9200
Intermediate:	122	37	0.6700
Min:	23	12	0.3400

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785740 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 610 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/14	20:43:49.74		0.32	40.2560	20.5790				2.4	1.5	13	30	118	0.11	1.86	m	657

Magnitude	Err	Nsta	Author	OrigID
Ml	2.0	0.0	5	657
Md	2.2	0.0	1	657

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
LSK	0.11	171.0	Sg	20:43:53.568	-0.3					---						10116	
LSK	0.11	171.0	Pg	20:43:52.205	0.1					---						10115	
LSK	0.11	171.0	AMl	20:43:54.180						---		39.3	0.16	a	Ml	3.3	5650
LSK	0.11	171.0	AMl	20:43:55.830						---		52.4	0.28	a	Ml	3.4	5649
LSK	0.11	171.0	AMd	20:44:21.242						---		0.0	29.04	a	Md	2.2	5648
NEST	0.39	66.0	Sg	20:44:04.522	-0.0					---						10118	
NEST	0.39	66.0	Pg	20:43:57.641	-0.6					---						10117	
NEST	0.39	66.0	AMl	20:44:08.090						---		0.9	0.42	a	Ml	2.1	5651
KBN	0.43	0.0	Pg	20:43:58.796	0.0					---						10130	
KBN	0.40	23.0	Sg	20:44:06.140	2.2					---						10119	

KBN	0.40	23.0	AM1	20:44:13.550	---	0.6	0.62	a__	M1	1.9	5653
KBN	0.40	23.0	AM1	20:44:13.290	---	0.6	0.58	a__	M1	1.9	5652
SRN	0.58	230.0	Sg	20:44:11.019	-0.5	---	---	m__	---	---	10121
SRN	0.58	230.0	Pg	20:44:02.210	0.0	---	---	m__	---	---	10120
SRN	0.58	230.0	AM1	20:44:15.320	---	0.3	0.46	a__	M1	1.9	5655
SRN	0.58	230.0	AM1	20:44:16.040	---	0.2	0.48	a__	M1	1.7	5654
IGT	0.75	195.0	Sg	20:44:16.544	0.1	---	---	m__	---	---	10123
IGT	0.75	195.0	Pg	20:44:05.157	0.2	---	---	m__	---	---	10122
PHP	1.43	356.0	Pn	20:44:21.327	3.7	---	---	m__	---	---	10124
LKD2	1.47	177.0	Sg	20:44:40.090	-0.0	---	---	m__	---	---	10126
LKD2	1.47	177.0	Pn	20:44:18.892	0.4	---	---	m__	---	---	10125
LKD2	1.47	177.0	AM1	20:44:48.310	---	0.3	0.54	a__	M1	2.6	5656
SCTE	1.63	265.0	Sn	20:44:45.075	-0.0	---	---	m__	---	---	10128
SCTE	1.63	265.0	Pn	20:44:23.556	2.2	---	---	m__	---	---	10127
PUK	1.86	345.0	Pn	20:44:28.350	3.0	---	---	m__	---	---	10129

DATA_TYPE COMMENT GSE2.1
Event 610

Official Magnitude:
M1 1.99

Error ellipse:

	Azim	Dip	Mag
Max:	136	70	1.6000
Intermediate:	323	19	0.7400
Min:	232	2	0.5400

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785740 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 611 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/14	20:51:24.17		0.44	40.2223	20.6188				4.1	1.7	9	30	161	0.07	1.65	m	
658																	

Magnitude	Err	Nsta	Author	OrigID
M1	1.8	0.0	5	658

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
LSK	0.07	193.0	Sg	20:51:26.912	-0.3	---	---	---	---	---	---	---	---	m__	---	10132	
LSK	0.07	193.0	Pg	20:51:22.755	-3.2	---	---	---	---	---	---	---	---	m__	---	10131	
LSK	0.07	193.0	AM1	20:51:30.980	---	---	---	---	---	---	---	62.6	0.50	a__	M1	3.4	5657
NEST	0.38	59.0	Pg	20:51:27.775	-4.5	---	---	---	---	---	---	---	---	m__	---	10133	

NEST	0.38	59.0	AM1	20:51:39.440		---					0.8	0.24	a	M1	2.0	5658
KBN	0.42	17.0	Sg	20:51:38.304	-0.5	---								m		10135
KBN	0.42	17.0	Pg	20:51:33.046	0.5	---								m		10134
KBN	0.42	17.0	AM1	20:51:43.510		---					0.4	0.32	a	M1	1.8	5659
SRN	0.58	235.0	Sg	20:51:45.393	-0.4	---								m		10137
SRN	0.58	235.0	Pg	20:51:36.811	0.3	---								m		10136
SRN	0.58	235.0	AM1	20:51:47.940		---					0.2	0.50	a	M1	1.6	5661
SRN	0.58	235.0	AM1	20:51:48.440		---					0.2	0.64	a	M1	1.6	5660
IGT	0.72	198.0	Sg	20:51:49.815	0.0	---								m		10139
IGT	0.72	198.0	Pg	20:51:39.626	0.8	---								m		10138
IGT	0.72	198.0	AM1	20:51:56.170		---					0.2	0.30	a	M1	1.9	5662
LKD2	1.43	178.0	Pn	20:51:51.683	-0.5	---								m		10140
PHP	1.47	355.0	Pn	20:51:52.501	0.0	---								m		10141
SCTE	1.65	0.0	Pn	20:51:57.322	0.0	---								m		10142

DATA_TYPE COMMENT GSE2.1
Event 611

Official Magnitude:
M1 1.84

Error ellipse:

	Azim	Dip	Mag
Max:	115	37	2.7700
Intermediate:	278	51	1.8000
Min:	19	8	0.7200

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785740 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 612 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/14	22:19:12.70		0.11	40.2647	20.5875				3.9	0.8	7	30	196	0.12	1.47	m	
659																	

Magnitude	Err	Nsta	Author	OrigID
M1	1.6	0.0	5	659

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
LSK	0.12	0.0	Pg	22:19:15.552	0.0									m		10152	
LSK	0.12	175.0	Sg	22:19:17.156	-0.1									m		10143	
LSK	0.12	175.0	AM1	22:19:17.450								18.3	0.14	a	M1	3.0	5663
NEST	0.38	66.0	Sg	22:19:26.782	-0.2									m		10145	
NEST	0.38	66.0	Pg	22:19:20.996	0.2									m		10144	

NEST	0.38	66.0	AM1	22:19:31.490	---	0.3	0.38	a	M1	1.6	5664
SRN	0.59	230.0	Sg	22:19:34.424	-0.1	---	---	m	---	---	10147
SRN	0.59	230.0	Pg	22:19:25.253	0.1	---	---	m	---	---	10146
SRN	0.59	230.0	AM1	22:19:40.580	---	0.1	0.74	a	M1	1.3	5665
IGT	0.76	196.0	Sg	22:19:39.525	0.0	---	---	m	---	---	10149
IGT	0.76	196.0	Pg	22:19:28.551	0.5	---	---	m	---	---	10148
IGT	0.76	196.0	AM1	22:19:46.780	---	0.1	0.50	a	M1	1.6	5666
LKD2	1.47	177.0	Sn	22:20:03.109	0.0	---	---	m	---	---	10151
LKD2	1.47	177.0	Pn	22:19:42.168	0.7	---	---	m	---	---	10150
LKD2	1.47	177.0	AM1	22:20:05.760	---	0.1	1.02	a	M1	2.2	5667

DATA_TYPE COMMENT GSE2.1
Event 612

Official Magnitude:
M1 1.60

Error ellipse:

	Azim	Dip	Mag
Max:	137	60	0.8600
Intermediate:	311	29	0.5800
Min:	42	3	0.2900

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785739 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 613 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/15	02:05:53.23		0.37	40.1567	20.7548				0.0	1.2	24	30	111	0.12	2.27	m	660

Magnitude	Err	Nsta	Author	OrigID
M1	3.5	0.0	13	660

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
LSK	0.13	0.0	Pg	02:05:55.575	0.0	---	---	---	---	---	---	---	---	m	---	10180	
LSK	0.12	267.0	Sg	02:05:57.759	-0.4	---	---	---	---	---	---	---	---	m	---	10153	
LSK	0.12	267.0	AM1	02:05:57.950	---	---	---	---	---	---	---	960.7	0.16	a	M1	4.7	5668
NEST	0.34	41.0	Sg	02:06:07.527	0.7	---	---	---	---	---	---	---	---	m	---	10155	
NEST	0.34	41.0	Pg	02:06:01.250	0.2	---	---	---	---	---	---	---	---	m	---	10154	
NEST	0.34	41.0	AM1	02:06:11.160	---	---	---	---	---	---	---	21.5	0.74	a	M1	3.4	5669
KBN	0.47	3.0	Sg	02:06:10.433	0.2	---	---	---	---	---	---	---	---	m	---	10157	
KBN	0.47	3.0	Pg	02:06:02.471	-0.5	---	---	---	---	---	---	---	---	m	---	10156	
KBN	0.47	3.0	AM1	02:06:28.540	---	---	---	---	---	---	---	14.8	1.12	a	M1	3.4	5671

KBN	0.47	3.0	AM1	02:06:27.700		15.4	1.38	a	M1	3.4	5670
SRN	0.64	245.0	Sg	02:06:15.839	-1.7			m			10159
SRN	0.64	245.0	Pg	02:06:06.303	-0.8			m			10158
SRN	0.64	245.0	AM1	02:06:21.670		6.6	0.64	a	M1	3.3	5672
IGT	0.71	208.0	Sg	02:06:19.101	0.1			m			10161
IGT	0.71	208.0	Pg	02:06:08.183	0.2			m			10160
IGT	0.71	208.0	AM1	02:06:26.600		4.7	0.48	a	M1	3.2	5673
VLO	1.01	289.0	Sn	02:06:27.941	-0.1			m			10165
VLO	1.01	289.0	Pn	02:06:12.985	-0.1			m			10164
VLO	1.01	289.0	AM1	02:06:35.080		15.7	0.70	a	M1	4.0	5674
BPA1	1.01	305.0	Sn	02:06:33.081	3.8			m			10163
BPA1	1.01	305.0	Pn	02:06:14.030	0.2			m			10162
TIR	1.37	331.0	Sn	02:06:40.917	-0.2			m			10169
TIR	1.37	331.0	Pn	02:06:20.576	-0.0			m			10168
TIR	1.37	331.0	AM1	02:06:46.000		2.3	0.90	a	M1	3.4	5677
TIR	1.37	331.0	AM1	02:06:50.730		2.4	0.60	a	M1	3.4	5676
LKD2	1.37	184.0	Sn	02:06:41.636	0.5			m			10167
LKD2	1.37	184.0	Pn	02:06:21.110	0.5			m			10166
LKD2	1.37	184.0	AM1	02:06:52.200		6.8	0.78	a	M1	3.9	5675
PHP	1.54	352.0	Sn	02:06:46.377	0.2			m			10171
PHP	1.54	352.0	Pn	02:06:23.344	-0.1			m			10170
PHP	1.54	352.0	AM1	02:06:54.890		4.6	1.36	a	M1	3.9	5678
THE	1.75	73.0	S	02:06:52.323	-0.8			m			10173
THE	1.75	73.0	Pn	02:06:25.926	-1.5			m			10172
THE	1.75	73.0	AM1	02:06:58.290		1.4	0.88	a	M1	3.5	5679
SCTE	1.75	269.0	Pn	02:06:27.454	-0.0			m			10174
SCTE	1.75	269.0	AM1	02:06:52.770		3.2	0.48	a	M1	3.8	5680
PUK	1.99	342.0	Sn	02:07:00.296	-0.0			m			10176
PUK	1.99	342.0	Pg	02:06:30.975	-0.6			m			10175
PUK	1.99	342.0	AM1	02:07:08.640		2.5	0.82	a	M1	3.9	5681
ULC	2.13	329.0	Pn	02:06:32.599	-1.3			m			10177
BCI	2.27	348.0	Sn	02:07:07.659	0.1			m			10179
BCI	2.27	348.0	Pn	02:06:35.810	0.1			m			10178
BCI	2.27	348.0	AM1	02:07:14.800		3.2	0.92	a	M1	4.1	5682

DATA_TYPE COMMENT GSE2.1
Event 613

Official Magnitude:
M1 3.49

Error ellipse:

	Azim	Dip	Mag
Max:	245	80	1.2000
Intermediate:	116	6	0.6000
Min:	25	8	0.4300

BEGIN GSE2.1

MSG_TYPE DATA
 MSG_ID 1556785739 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 614 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/15	02:09:19.88		0.27	40.1693	20.7235				0.0	1.0	21	30	109	0.10	2.32	m	
OrigID 661																	

Magnitude	Err	Nsta	Author	OrigID
M1	3.6	0.0	11	661

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
LSK	0.09	0.0	Pg	02:09:22.284	0.0									m		10205	
LSK	0.10	259.0	Sg	02:09:23.872	0.1									m		10181	
LSK	0.10	259.0	AM1	02:09:24.280								1142.5	0.40	a	M1	4.7	5683
NEST	0.35	45.0	Sg	02:09:33.511	-0.3									m		10183	
NEST	0.35	45.0	Pg	02:09:27.691	-0.1									m		10182	
NEST	0.35	45.0	AM1	02:09:37.900								10.4	0.30	a	M1	3.1	5684
KBN	0.46	6.0	Sg	02:09:36.447	-0.1									m		10185	
KBN	0.46	6.0	Pg	02:09:28.941	-0.5									m		10184	
KBN	0.46	6.0	AM1	02:09:54.000								12.8	0.74	a	M1	3.3	5685
SRN	0.63	243.0	Sg	02:09:43.163	-0.5									m		10187	
SRN	0.63	243.0	Pg	02:09:31.823	-1.6									m		10186	
SRN	0.63	243.0	AM1	02:09:46.390								6.3	0.52	a	M1	3.3	5686
IGT	0.71	206.0	Sg	02:09:45.871	0.2									m		10189	
IGT	0.71	206.0	Pg	02:09:34.695	0.1									m		10188	
VLO	0.99	289.0	Pn	02:09:39.404	0.2									m		10190	
VLO	0.99	289.0	AM1	02:10:01.310								15.1	0.54	a	M1	4.0	5687
TIR	1.35	332.0	Sn	02:10:07.531	0.5									m		10192	
TIR	1.35	332.0	Pn	02:09:46.880	0.0									m		10191	
TIR	1.35	332.0	AM1	02:10:12.260								1.3	0.80	a	M1	3.2	5688
LKD2	1.38	183.0	Sn	02:10:08.374	0.2									m		10194	
LKD2	1.38	183.0	Pn	02:09:47.470	0.0									m		10193	
LKD2	1.38	183.0	AM1	02:10:18.370								5.4	0.60	a	M1	3.8	5689
PHP	1.53	353.0	Sn	02:10:12.457	0.2									m		10196	
PHP	1.53	353.0	Pn	02:09:49.458	-0.4									m		10195	
PHP	1.53	353.0	AM1	02:10:21.200								2.8	1.36	a	M1	3.6	5690
SCTE	1.73	268.0	Sn	02:10:15.304	-3.8									m		10198	
SCTE	1.73	268.0	Pn	02:09:52.698	-1.0									m		10197	
SCTE	1.73	268.0	AM1	02:10:19.050								2.8	0.44	a	M1	3.8	5691
THE	1.77	74.0	Pn	02:09:54.194	-0.2									m		10199	
PUK	1.97	342.0	Sn	02:10:26.450	0.1									m		10201	
PUK	1.97	342.0	Pn	02:09:58.032	0.1									m		10200	
PUK	1.97	342.0	AM1	02:10:33.970								1.3	0.62	a	M1	3.6	5692
BCI	2.25	348.0	Sn	02:10:33.609	-0.2									m		10203	
BCI	2.25	348.0	Pn	02:10:02.504	0.4									m		10202	
BCI	2.25	348.0	AM1	02:10:38.810								1.9	1.26	a	M1	3.9	5693

DRME 2.32 331.0 Pn 02:10:01.446 -1.9 _____ m__ 10204

DATA_TYPE COMMENT GSE2.1
Event 614

Official Magnitude:
Ml 3.62

Error ellipse:

	Azim	Dip	Mag
Max:	252	80	1.0000
Intermediate:	114	6	0.5600
Min:	23	7	0.3500

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785738 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 615 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/15	02:23:31.84		0.24	40.1775	20.6918				0.0	0.8	16	30	134	0.08	2.24	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.2	0.0	8	662

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
LSK	0.08	249.0	Sg	02:23:34.925	0.1					_____				m__		10207
LSK	0.08	249.0	Pg	02:23:33.460	-0.1					_____				m__		10206
LSK	0.08	249.0	AMl	02:23:38.060						_____		83.2	0.54	a__ Ml	3.5	5694
NEST	0.36	48.0	Sg	02:23:45.776	-0.3					_____				m__		10209
NEST	0.36	48.0	Pg	02:23:38.908	-1.1					_____				m__		10208
NEST	0.36	48.0	AMl	02:23:48.670						_____		1.0	0.40	a__ Ml	2.0	5695
KBN	0.45	9.0	Sg	02:23:48.248	-0.1					_____				m__		10211
KBN	0.45	9.0	Pg	02:23:40.232	-1.0					_____				m__		10210
KBN	0.45	9.0	AMl	02:23:53.510						_____		0.8	0.56	a__ Ml	2.1	5696
SRN	0.61	241.0	Sg	02:23:54.580	-0.5					_____				m__		10213
SRN	0.61	241.0	Pg	02:23:43.339	-1.8					_____				m__		10212
SRN	0.61	241.0	AMl	02:23:58.570						_____		0.4	0.72	a__ Ml	2.0	5697
IGT	0.70	204.0	Sg	02:23:57.540	0.0					_____				m__		10215
IGT	0.70	204.0	Pg	02:23:46.625	0.1					_____				m__		10214
IGT	0.70	204.0	AMl	02:24:05.280						_____		0.5	0.34	a__ Ml	2.2	5698
VLO	0.96	289.0	Pn	02:23:51.019	0.3					_____				m__		10216
TIR	1.33	333.0	Sn	02:24:18.112	-0.3					_____				m__		10218
TIR	1.33	333.0	Pn	02:23:59.492	1.1					_____				m__		10217

TIR	1.33	333.0	AM1	02:24:27.620								0.2	0.58	a	M1	2.2	5699
LKD2	1.39	182.0	Sn	02:24:20.484	0.1									m			10220
LKD2	1.39	182.0	Pn	02:23:59.645	0.1									m			10219
PHP	1.52	353.0	Sn	02:24:24.153	0.3									m			10222
PHP	1.52	353.0	Pn	02:24:01.448	-0.1									m			10221
PHP	1.52	353.0	AM1	02:24:33.480								0.2	0.94	a	M1	2.4	5700
SCTE	1.71	268.0	Pn	02:24:04.859	-0.4									m			10223
PUK	1.96	343.0	Pn	02:24:09.337	-0.2									m			10224
BCI	2.24	0.0	Pn	02:24:13.688	0.0									m			10226
BCI	2.24	349.0	Sn	02:24:45.702	0.3									m			10225
BCI	2.24	349.0	AM1	02:24:54.550								0.2	0.92	a	M1	2.8	5701

DATA_TYPE COMMENT GSE2.1
Event 615

Official Magnitude:
M1 2.22

Error ellipse:

	Azim	Dip	Mag
Max:	268	64	0.8800
Intermediate:	119	22	0.5000
Min:	24	12	0.2800

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785738 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 616 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/15	03:23:09.11		0.13	42.4128	19.3367				10.3	1.7	15	30	82	0.25	1.10	m	
663																	

Magnitude	Err	Nsta	Author	OrigID
M1	1.8	0.0	3	663

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
DRME	0.25	206.0	Pg	03:23:14.899	0.3									m		10227
CEME	0.34	294.0	Sg	03:23:21.609	0.0									m		10229
CEME	0.34	294.0	Pg	03:23:16.152	-0.1									m		10228
BUM	0.34	251.0	Sg	03:23:22.685	0.9									m		10231
BUM	0.34	251.0	Pg	03:23:16.461	0.1									m		10230
ULC	0.45	189.0	Pg	03:23:18.335	-0.1									m		10232
KOME	0.46	16.0	Pg	03:23:18.703	0.2									m		10233
PVY	0.50	68.0	Pg	03:23:19.349	-0.1									m		10234

BCI	0.54	0.0	Pg	03:23:19.619	0.0	---										m		10244
BCI	0.54	94.0	Sg	03:23:28.151	-0.1	---										m		10235
BCI	0.54	94.0	AM1	03:23:30.340		---					0.5	0.24	a	M1	2.0		5703	
BCI	0.54	94.0	AM1	03:23:30.650		---					0.5	0.18	a	M1	2.0		5702	
PUK	0.55	131.0	Sg	03:23:28.558	-0.0	---										m		10237
PUK	0.55	131.0	Pg	03:23:20.128	-0.1	---										m		10236
PUK	0.55	131.0	AM1	03:23:31.260		---					0.3	0.16	a	M1	1.7		5705	
PUK	0.55	131.0	AM1	03:23:31.260		---					0.3	0.18	a	M1	1.8		5704	
BEY	0.62	42.0	Pg	03:23:21.565	0.0	---										m		10238
HCY	0.63	274.0	Sg	03:23:31.246	-0.0	---										m		10240
HCY	0.63	274.0	Pg	03:23:21.526	-0.3	---										m		10239
PLE	0.92	2.0	Pg	03:23:26.649	-0.6	---										m		10241
PHP	1.10	131.0	Sn	03:23:46.668	0.3	---										m		10243
PHP	1.10	131.0	Pn	03:23:30.458	0.1	---										m		10242
PHP	1.10	131.0	AM1	03:23:54.230		---					0.1	0.28	a	M1	1.6		5706	

DATA_TYPE COMMENT GSE2.1
Event 616

Official Magnitude:
M1 1.81

Error ellipse:

	Azim	Dip	Mag
Max:	327	84	1.6600
Intermediate:	196	3	0.4700
Min:	106	5	0.2600

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785738 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 617 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/15	03:51:03.15		0.49	40.1730	20.6160				5.2	0.9	14	30	162	0.03	2.23	m	664

Magnitude	Err	Nsta	Author	OrigID
M1	2.8	0.0	9	664

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
LSK	0.03	210.0	Sg	03:51:05.368	0.3					---					m	10246	
LSK	0.03	210.0	Pg	03:51:03.889	-0.3					---					m	10245	
LSK	0.03	210.0	AM1	03:51:07.440						---		117.7	0.50	a	M1	3.5	5708
LSK	0.03	210.0	AM1	03:51:08.550						---		157.7	0.50	a	M1	3.6	5707

NEST	0.41	53.0	Sg	03:51:15.893	-2.2	---										m		10248
NEST	0.41	53.0	Pg	03:51:09.398	-2.3	---										m		10247
NEST	0.41	53.0	AMl	03:51:19.100		---				2.0	0.62	a	Ml		2.4		5709	
KBN	0.47	0.0	Pg	03:51:10.567	0.0	---										m		10262
KBN	0.47	16.0	Sg	03:51:18.463	-0.8	---										m		10249
KBN	0.47	16.0	AMl	03:51:27.590		---				1.5	0.76	a	Ml		2.4		5710	
SRN	0.56	239.0	Sg	03:51:23.462	-0.2	---										m		10251
SRN	0.56	239.0	Pg	03:51:13.775	-1.1	---										m		10250
SRN	0.56	239.0	AMl	03:51:30.470		---				1.0	0.58	a	Ml		2.3		5711	
IGT	0.68	200.0	Sg	03:51:27.653	0.6	---										m		10253
IGT	0.68	200.0	Pg	03:51:16.999	0.2	---										m		10252
IGT	0.68	200.0	AMl	03:51:35.750		---				0.8	0.40	a	Ml		2.4		5712	
LKD2	1.38	178.0	Sn	03:51:52.338	1.9	---										m		10255
LKD2	1.38	178.0	Pn	03:51:29.743	-0.4	---										m		10254
LKD2	1.38	178.0	AMl	03:52:00.160		---				0.7	0.88	a	Ml		2.9		5713	
PHP	1.52	356.0	Sn	03:51:54.124	0.1	---										m		10257
PHP	1.52	356.0	Pn	03:51:32.994	0.8	---										m		10256
PHP	1.52	356.0	AMl	03:52:03.900		---				0.4	0.86	a	Ml		2.8		5714	
SCTE	1.65	268.0	S	03:51:58.376	-0.3	---										m		10258
SCTE	1.65	268.0	AMl	03:52:26.140		---				0.5	1.20	a	Ml		3.0		5715	
PUK	1.95	344.0	Sg	03:52:08.326	0.7	---										m		10260
PUK	1.95	344.0	Pn	03:51:39.797	-0.2	---										m		10259
PUK	1.95	344.0	AMl	03:52:16.190		---				0.2	0.64	a	Ml		2.8		5716	
BCI	2.23	350.0	Pn	03:51:44.387	0.1	---										m		10261

DATA_TYPE COMMENT GSE2.1
Event 617

Official Magnitude:
Ml 2.78

Error ellipse:

	Azim	Dip	Mag
Max:	110	18	1.7100
Intermediate:	237	59	1.0000
Min:	12	23	0.6300

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785739 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 618 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2019/04/14	22:28:11.22		0.18	40.2485	20.6218				3.6	1.2	8	8	145	0.10	0.75	m		
665																		

Magnitude Err Nsta Author OrigID
M1 1.1 0.0 4 665

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
LSK	0.10	0.0	Pg	22:28:13.347	0.0									m		10272
LSK	0.10	191.0	Sg	22:28:15.183	0.0									m		10263
LSK	0.10	191.0	AM1	22:28:15.400								5.6	0.14	a	M1	2.4
LSK	0.10	191.0	AM1	22:28:16.940								6.9	0.58	a	M1	2.5
NEST	0.37	62.0	Sg	22:28:24.791	-0.2									m		10265
NEST	0.37	62.0	Pg	22:28:18.461	-0.6									m		10264
NEST	0.37	62.0	AM1	22:28:28.260								0.1	0.36	a	M1	1.2
KBN	0.40	18.0	Sg	22:28:25.071	-0.0									m		10267
KBN	0.40	18.0	Pg	22:28:19.428	0.3									m		10266
KBN	0.40	18.0	AM1	22:28:32.330								0.1	0.40	a	M1	1.1
KBN	0.40	18.0	AM1	22:28:27.820								0.1	0.34	a	M1	1.1
SRN	0.60	233.0	Sg	22:28:33.443	-0.0									m		10269
SRN	0.60	233.0	Pg	22:28:23.643	-0.3									m		10268
SRN	0.60	233.0	AM1	22:28:34.380								0.0	0.54	a	M1	1.0
SRN	0.60	233.0	AM1	22:28:37.720								0.0	0.54	a	M1	1.0
IGT	0.75	198.0	Sg	22:28:37.948	0.2									m		10271
IGT	0.75	198.0	Pg	22:28:27.174	0.8									m		10270

DATA_TYPE COMMENT GSE2.1
Event 618

Official Magnitude:
M1 1.10

Error ellipse:

	Azim	Dip	Mag
Max:	136	64	1.2800
Intermediate:	298	24	0.8000
Min:	31	7	0.3200

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785739 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 619 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/14	22:31:27.61		0.36	40.2208	20.6390				5.8	1.1	8	10	142	0.08	1.43	m	
666																	

Magnitude Err Nsta Author OrigID

M1 1.4 0.0 5 666

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
NEST	0.00	0.0	Pg	22:31:34.826	0.0									m		10283
NEST	0.37	58.0	Sg	22:31:40.702	-0.4									m		10275
NEST	0.37	58.0	AM1	22:31:43.910								0.2	0.22	a	M1	5726
NEST	0.37	58.0	AM1	22:31:45.400								0.2	0.38	a	M1	5725
LSK	0.08	204.0	Sg	22:31:31.059	0.0									m		10274
LSK	0.08	204.0	Pg	22:31:29.449	-0.1									m		10273
LSK	0.08	204.0	AM1	22:31:31.360								11.9	0.14	a	M1	5724
KBN	0.42	15.0	Sg	22:31:44.097	2.2									m		10277
KBN	0.42	15.0	Pg	22:31:36.323	0.6									m		10276
KBN	0.42	15.0	AM1	22:31:47.890								0.1	0.26	a	M1	5727
SRN	0.60	236.0	Sg	22:31:49.278	-0.1									m		10279
SRN	0.60	236.0	Pg	22:31:39.391	-0.6									m		10278
SRN	0.60	236.0	AM1	22:31:53.560								0.1	0.58	a	M1	5728
IGT	0.73	200.0	Sg	22:31:53.277	0.2									m		10281
IGT	0.73	200.0	Pg	22:31:42.547	0.4									m		10280
IGT	0.73	200.0	AM1	22:32:02.330								0.1	0.50	a	M1	5729
LKD2	1.43	179.0	Pn	22:31:57.018	1.6									m		10282

DATA_TYPE COMMENT GSE2.1
Event 619

Official Magnitude:
M1 1.38

Error ellipse:

	Azim	Dip	Mag
Max:	132	14	2.0000
Intermediate:	266	69	1.2200
Min:	38	14	0.6600

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785739 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 620 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/14	22:56:58.17		0.29	40.2143	20.6485				5.0	1.0	10	30	137	0.07	1.91	m	
667																	

Magnitude Err Nsta Author OrigID
M1 1.6 0.0 5 667

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
KBN	0.00	0.0	Pg	22:57:06.393	0.0					---				m		10295
KBN	0.42	14.0	Sg	22:57:13.078	0.4					---				m		10288
KBN	0.42	14.0	AM1	22:57:20.410						---		0.2	0.54	a	M1	1.4
LSK	0.07	211.0	Sg	22:57:01.501	0.1					---				m		10285
LSK	0.07	211.0	Pg	22:56:59.898	-0.1					---				m		10284
LSK	0.07	211.0	AM1	22:57:01.790						---		20.6	0.14	a	M1	2.9
LSK	0.07	211.0	AM1	22:57:01.820						---		18.4	0.12	a	M1	2.9
NEST	0.37	56.0	Sg	22:57:11.528	-0.1					---				m		10287
NEST	0.37	56.0	Pg	22:57:05.345	-0.5					---				m		10286
NEST	0.37	56.0	AM1	22:57:15.230						---		0.4	0.30	a	M1	1.6
SRN	0.60	237.0	Sg	22:57:19.917	-0.2					---				m		10290
SRN	0.60	237.0	Pg	22:57:10.056	-0.6					---				m		10289
SRN	0.60	237.0	AM1	22:57:23.400						---		0.1	0.48	a	M1	1.4
IGT	0.72	200.0	Sg	22:57:23.681	0.0					---				m		10292
IGT	0.72	200.0	Pg	22:57:12.815	0.1					---				m		10291
IGT	0.72	200.0	AM1	22:57:29.280						---		0.1	0.34	a	M1	1.6
LKD2	1.42	179.0	Pn	22:57:26.444	0.5					---				m		10293
PUK	1.91	343.0	Pn	22:57:35.983	1.5					---				m		10294

DATA_TYPE COMMENT GSE2.1
Event 620

Official Magnitude:
M1 1.59

Error ellipse:

	Azim	Dip	Mag
Max:	128	11	1.3300
Intermediate:	256	71	1.0200
Min:	35	15	0.4400

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785739 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 621 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/15	00:10:50.80		0.24	40.1998	20.6790				3.6	0.9	8	10	151	0.08	0.72	m	
668																	

Magnitude	Err	Nsta	Author	OrigID
M1	1.3	0.0	5	668

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

NEST	0.00	0.0	Pg	00:10:58.068	0.0	---										m		10305
NEST	0.36	52.0	Sg	00:11:04.429	0.3	---										m		10298
NEST	0.36	52.0	AM1	00:11:07.210		---				0.2	0.24	a	M1		1.2		5737	
LSK	0.08	232.0	Sg	00:10:54.372	0.4	---										m		10297
LSK	0.08	232.0	Pg	00:10:52.415	-0.2	---										m		10296
LSK	0.08	232.0	AM1	00:10:57.030		---				14.4	0.48	a	M1		2.7		5736	
KBN	0.43	11.0	Sg	00:11:05.909	0.0	---										m		10300
KBN	0.43	11.0	Pg	00:10:58.985	-0.4	---										m		10299
KBN	0.43	11.0	AM1	00:11:09.440		---				0.1	0.34	a	M1		1.1		5738	
SRN	0.61	239.0	Sg	00:11:13.449	0.1	---										m		10302
SRN	0.61	239.0	Pg	00:11:02.859	-0.8	---										m		10301
SRN	0.61	239.0	AM1	00:11:18.970		---				0.1	0.56	a	M1		1.3		5739	
IGT	0.72	203.0	Sg	00:11:16.332	0.0	---										m		10304
IGT	0.72	203.0	Pg	00:11:05.143	-0.3	---										m		10303
IGT	0.72	203.0	AM1	00:11:23.100		---				0.1	0.44	a	M1		1.3		5740	

DATA_TYPE COMMENT GSE2.1
Event 621

Official Magnitude:
M1 1.27

Error ellipse:

	Azim	Dip	Mag
Max:	298	40	1.3800
Intermediate:	139	48	1.0700
Min:	37	11	0.4000

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785739 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 622 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/15	00:12:55.20		0.31	40.2170	20.6930				1.2	2.1	11	30	129	0.10	1.92	m	
669																	

Magnitude	Err	Nsta	Author	OrigID
M1	1.8	0.0	6	669

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
LSK	0.10	228.0	Sg	00:12:58.856	-0.3					---					m	10307	
LSK	0.10	228.0	Pg	00:12:57.070	-0.4					---					m	10306	
LSK	0.10	228.0	AM1	00:13:00.598						---		27.8	0.54	a	M1	3.1	5742
LSK	0.10	228.0	AM1	00:13:01.708						---		24.5	0.38	a	M1	3.0	5741

NEST	0.34	53.0	Sg	00:13:08.205	-0.2	---	m	---	10309
NEST	0.34	53.0	Pg	00:13:02.339	-0.4	---	m	---	10308
NEST	0.34	53.0	AM1	00:13:11.938		---	0.5	0.34 a M1	1.7 5743
KBN	0.41	0.0	Pg	00:13:03.260	0.0	---	m	---	10319
KBN	0.41	10.0	Sg	00:13:09.841	-0.2	---	m	---	10310
KBN	0.41	10.0	AM1	00:13:18.318		---	0.4	0.48 a M1	1.7 5744
SRN	0.63	238.0	Sg	00:13:17.155	-1.6	---	m	---	10312
SRN	0.63	238.0	Pg	00:13:07.323	-1.4	---	m	---	10311
SRN	0.63	238.0	AM1	00:13:20.668		---	0.1	0.38 a M1	1.6 5745
IGT	0.74	203.0	S	00:13:21.899	0.1	---	m	---	10314
IGT	0.74	203.0	Pg	00:13:10.471	0.1	---	m	---	10313
IGT	0.74	203.0	AM1	00:13:27.438		---	0.2	0.56 a M1	1.8 5746
LKD2	1.43	182.0	Sn	00:13:44.752	0.1	---	m	---	10316
LKD2	1.43	182.0	Pn	00:13:23.835	0.4	---	m	---	10315
LKD2	1.43	182.0	AM1	00:13:47.078		---	0.1	1.08 a M1	2.3 5747
PHP	1.48	353.0	Pn	00:13:24.520	0.4	---	m	---	10317
PUK	1.92	342.0	Pn	00:13:32.551	0.5	---	m	---	10318

DATA_TYPE COMMENT GSE2.1
Event 622

Official Magnitude:
M1 1.81

Error ellipse:

	Azim	Dip	Mag
Max:	294	73	2.2100
Intermediate:	117	16	1.1200
Min:	27	1	0.4700

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785738 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 623 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/15	05:26:34.79		0.26	40.1812	20.7193				0.0	0.9	19	30	135	0.10	2.31	m	670

Magnitude	Err	Nsta	Author	OrigID
M1	3.5	0.0	9	670
Md	2.6	0.0	1	670

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
LSK	0.10	252.0	Sg	05:26:38.692	-0.0					---				m		10321

LSK	0.10	252.0	Pg	05:26:36.631	-0.4	---			m			10320
LSK	0.10	252.0	AM1	05:26:41.830		---	424.6	0.46	a	M1	4.3	5749
LSK	0.10	252.0	AMd	05:27:19.693		---	0.0	43.06	a	Md	2.6	5748
NEST	0.34	47.0	Sg	05:26:48.481	0.0	---			m			10323
NEST	0.34	47.0	Pg	05:26:42.080	-0.5	---			m			10322
NEST	0.34	47.0	AM1	05:26:51.900		---	19.9	0.32	a	M1	3.3	5751
NEST	0.34	47.0	AM1	05:26:54.900		---	18.6	0.60	a	M1	3.3	5750
KBN	0.45	6.0	Pg	05:26:43.421	0.0	---			m			10341
KBN	0.45	6.0	Sg	05:26:51.123	0.1	---			m			10324
KBN	0.45	6.0	AM1	05:27:09.020		---	12.8	1.26	a	M1	3.3	5752
SRN	0.63	242.0	Sg	05:26:58.144	-0.5	---			m			10326
SRN	0.63	242.0	Pg	05:26:46.853	-1.6	---			m			10325
SRN	0.63	242.0	AM1	05:27:01.610		---	5.4	0.78	a	M1	3.2	5753
IGT	0.71	205.0	Sg	05:27:00.865	-0.0	---			m			10328
IGT	0.71	205.0	Pg	05:26:49.607	-0.1	---			m			10327
VLO	0.98	288.0	S	05:27:08.854	0.4	---			m			10330
VLO	0.98	288.0	Pn	05:26:54.620	0.6	---			m			10329
TIR	1.33	332.0	Sn	05:27:21.313	-0.3	---			m			10332
TIR	1.33	332.0	Pn	05:27:01.532	0.0	---			m			10331
TIR	1.33	332.0	AM1	05:27:25.550		---	2.5	0.58	a	M1	3.4	5754
LKD2	1.39	182.0	Sn	05:27:23.871	0.4	---			m			10334
LKD2	1.39	182.0	Pn	05:27:02.530	-0.1	---			m			10333
LKD2	1.39	182.0	AM1	05:27:31.540		---	4.2	0.58	a	M1	3.7	5755
PHP	1.52	353.0	Sg	05:27:26.701	-0.1	---			m			10336
PHP	1.52	353.0	Pg	05:27:04.275	-0.2	---			m			10335
PHP	1.52	353.0	AM1	05:27:32.620		---	2.7	1.28	a	M1	3.6	5756
PUK	1.96	342.0	Sn	05:27:41.212	0.3	---			m			10338
PUK	1.96	342.0	Pn	05:27:12.285	-0.3	---			m			10337
PUK	1.96	342.0	AM1	05:27:53.160		---	1.7	0.80	a	M1	3.7	5757
BCI	2.24	348.0	Sn	05:27:48.312	-0.1	---			m			10339
BCI	2.24	348.0	AM1	05:27:55.440		---	3.3	0.80	a	M1	4.1	5758
DRME	2.31	331.0	Pn	05:27:16.132	-1.9	---			m			10340

DATA_TYPE COMMENT GSE2.1
Event 623

Official Magnitude:
M1 3.52

Error ellipse:

	Azim	Dip	Mag
Max:	231	78	0.8700
Intermediate:	114	5	0.5500
Min:	23	11	0.3300

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785738 athena

DATA_TYPE BULLETIN GSE2.1:SHORT

Event 624 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/15	05:33:18.48		0.04	40.2053	20.6615				11.0	0.6	5	30	176	0.07	0.72	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.6	0.0	3	671
Md	2.1	0.0	1	671

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
LSK	0.07	221.0	Sg	05:33:22.791	0.0					---				m		10343	
LSK	0.07	221.0	Pg	05:33:20.851	-0.1					---				m		10342	
LSK	0.07	221.0	AMl	05:33:24.350						---		16.5	0.38	a	Ml	2.9	5761
LSK	0.07	221.0	AMl	05:33:25.490						---		21.0	0.46	a	Ml	3.1	5760
LSK	0.07	221.0	AMd	05:33:48.365						---		0.0	27.51	a	Md	2.1	5759
NEST	0.36	0.0	Pg	05:33:26.059	0.0					---				m		10349	
NEST	0.36	54.0	Sg	05:33:31.844	0.0					---				m		10344	
NEST	0.36	54.0	AMl	05:33:34.500						---		0.3	0.46	a	Ml	1.6	5763
NEST	0.36	54.0	AMl	05:33:38.030						---		0.3	0.42	a	Ml	1.6	5762
SRN	0.60	238.0	Sg	05:33:40.448	0.0					---				m		10346	
SRN	0.60	238.0	Pg	05:33:32.046	1.0					---				m		10345	
SRN	0.60	238.0	AMl	05:33:45.800						---		0.1	0.32	a	Ml	1.3	5764
IGT	0.72	201.0	Sg	05:33:43.695	0.0					---				m		10348	
IGT	0.72	201.0	Pg	05:33:33.961	1.1					---				m		10347	

DATA_TYPE COMMENT GSE2.1

Event 624

Official Magnitude:

Ml 1.61

Error ellipse:

	Azim	Dip	Mag
Max:	317	14	0.8500
Intermediate:	144	75	0.6200
Min:	47	2	0.2300

BEGIN GSE2.1

MSG_TYPE DATA

MSG_ID 1556785738 athena

DATA_TYPE BULLETIN GSE2.1:SHORT

Event 625 2.8 km from Gërmenj, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/15	05:56:41.83		0.06	40.2032	20.6913				0.0	0.7	6	4	151	0.09	0.73	m	

OrigID
672

Magnitude	Err	Nsta	Author	OrigID
M1	2.1	0.0	3	672

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
LSK	0.09	234.0	Sg	05:56:45.350	-0.0									m		10351
LSK	0.09	234.0	Pg	05:56:43.538	-0.3									m		10350
LSK	0.09	234.0	AM1	05:56:47.620								115.6	0.46	a	M1	3.7
NEST	0.35	0.0	Pg	05:56:48.916	0.0									m		10357
NEST	0.35	52.0	Sg	05:56:55.568	0.0									m		10352
NEST	0.35	52.0	AM1	05:56:55.830								1.2	0.40	a	M1	2.1
KBN	0.43	9.0	Sg	05:56:57.550	0.1									m		10354
KBN	0.43	9.0	Pg	05:56:50.517	-0.2									m		10353
KBN	0.43	9.0	AM1	05:56:59.200								0.7	0.28	a	M1	2.0
IGT	0.73	203.0	Sg	05:57:08.328	0.0									m		10356
IGT	0.73	203.0	Pg	05:56:56.926	-0.0									m		10355

DATA_TYPE COMMENT GSE2.1
Event 625

Official Magnitude:
M1 2.12

Error ellipse:

	Azim	Dip	Mag
Max:	289	61	0.8300
Intermediate:	133	26	0.5200
Min:	38	10	0.1900

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785738 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 626 1.6 km from Gërmenj, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/15	07:03:28.16		0.62	40.2180	20.6895				0.1	18.5	5	4	188	0.10	0.74	m	

OrigID
674

Magnitude	Err	Nsta	Author	OrigID
M1	1.4	0.0	1	674

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
NEST	0.00	0.0	Pg	07:03:35.143	0.0					---				m		10371
NEST	0.34	54.0	Sg	07:03:40.845	-0.8					---				m		10367
NEST	0.34	54.0	AMl	07:03:43.610						---		0.2	0.22	a	Ml	1.4
LSK	0.10	226.0	Sg	07:03:31.331	-0.8					---				m		10366
LSK	0.10	226.0	Pg	07:03:29.672	-0.7					---				m		10365
KBN	0.41	10.0	P	07:03:40.497	3.7					---				m		10368
IGT	0.74	203.0	Sg	07:03:55.441	0.4					---				m		10370
IGT	0.74	203.0	Pg	07:03:43.253	-0.3					---				m		10369

DATA_TYPE COMMENT GSE2.1
Event 626

Official Magnitude:
Ml 1.35

Error ellipse:

	Azim	Dip	Mag
Max:	312	26	41.5100
Intermediate:	158	61	2.9100
Min:	47	11	1.1200

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785737 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 627 1.2 km from Arrëz, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/15	07:10:18.54		0.54	40.2370	20.6945				0.0	17.0	5	3	195	0.12	0.76	m	675

Magnitude	Err	Nsta	Author	OrigID
Ml	1.6	0.0	2	675

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
NEST	0.00	0.0	Pg	07:10:25.653	0.0					---				m		10377
NEST	0.32	56.0	Sg	07:10:31.126	-0.3					---				m		10374
NEST	0.32	56.0	AMl	07:10:34.460						---		0.1	0.32	a	Ml	1.1
LSK	0.11	221.0	Sg	07:10:22.003	-1.2					---				m		10373
LSK	0.11	221.0	Pg	07:10:20.071	-1.1					---				m		10372
LSK	0.11	221.0	AMl	07:10:22.170						---		3.2	0.14	a	Ml	2.2
IGT	0.76	202.0	Sg	07:10:45.877	-0.2					---				m		10376
IGT	0.76	202.0	Pg	07:10:34.283	0.0					---				m		10375

DATA_TYPE COMMENT GSE2.1

Event 627

Official Magnitude:

Ml 1.62

Error ellipse:

	Azim	Dip	Mag
Max:	312	22	44.9900
Intermediate:	145	67	2.8000
Min:	44	5	0.9300

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556785737 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 628 2.0 km from Vrëpckë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/15	10:26:37.84		0.09	40.1888	20.6275				16.3	0.7	5	4	165	0.04	0.70	m	
OrigID 676																	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.7	0.0	3	676

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
NEST	0.00	0.0	Pg	10:26:46.427	0.0									m		10384	
NEST	0.39	54.0	Sg	10:26:52.474	-0.0									m		10380	
NEST	0.39	54.0	AMl	10:26:55.590								0.3	0.38	a	Ml	1.7	5773
LSK	0.04	210.0	Sg	10:26:42.991	-0.1									m		10379	
LSK	0.04	210.0	Pg	10:26:41.219	0.4									m		10378	
LSK	0.04	210.0	AMl	10:26:43.360								12.5	0.34	a	Ml	2.9	5772
KBN	0.45	15.0	Sg	10:26:53.497	0.0									m		10382	
KBN	0.45	15.0	Pg	10:26:46.242	-0.6									m		10381	
KBN	0.45	15.0	AMl	10:27:03.530								0.2	0.54	a	Ml	1.6	5774
IGT	0.70	200.0	Pg	10:26:51.773	-0.0									m		10383	

DATA_TYPE COMMENT GSE2.1
 Event 628

Official Magnitude:

Ml 1.66

Error ellipse:

	Azim	Dip	Mag
Max:	298	8	0.9700
Intermediate:	172	75	0.6700

Min: 30 12 0.3200

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785736 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 630 1.7 km from Amarantos, Epirus, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/15	21:08:36.90		0.26	40.1688	20.7098				5.4	0.7	14	12	159	0.09	2.25	m	
678																	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.7	0.0	7	678
Md	2.9	0.0	5	678

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
LSK	0.09	258.0	Sg	21:08:40.438	-0.2					---				m		10398	
LSK	0.09	258.0	Pg	21:08:38.948	-0.1					---				m		10397	
LSK	0.09	258.0	AMl	21:08:41.150						---		265.7	0.64	a	Ml	4.1	5788
LSK	0.09	258.0	AMd	21:09:50.892						---		0.0	71.94	a	Md	3.1	5783
NEST	0.36	46.0	S	21:08:49.870	-0.2					---				m		10400	
NEST	0.36	46.0	Pg	21:08:44.391	-0.0					---				m		10399	
NEST	0.36	46.0	AMl	21:08:54.950						---		3.8	0.92	a	Ml	2.6	5789
NEST	0.36	46.0	AMd	21:09:46.806						---		0.0	62.41	a	Md	3.0	5784
KBN	0.46	7.0	Sg	21:08:52.404	-0.2					---				m		10402	
KBN	0.46	7.0	Pg	21:08:45.682	-0.2					---				m		10401	
KBN	0.46	7.0	AMl	21:09:02.680						---		2.4	0.86	a	Ml	2.6	5790
KBN	0.46	7.0	AMd	21:09:44.544						---		0.0	58.86	a	Md	2.9	5785
SRN	0.62	243.0	Sg	21:08:59.257	-0.1					---				m		10404	
SRN	0.62	243.0	Pg	21:08:48.688	-1.0					---				m		10403	
SRN	0.62	243.0	AMl	21:09:05.230						---		1.1	0.84	a	Ml	2.5	5791
SRN	0.62	243.0	AMd	21:09:39.440						---		0.0	50.75	a	Md	2.8	5786
IGT	0.70	205.0	Sg	21:09:01.260	-0.3					---				m		10406	
IGT	0.70	205.0	Pg	21:08:51.512	0.6					---				m		10405	
IGT	0.70	205.0	AMd	21:09:42.232						---		0.0	50.72	a	Md	2.2	5787
TIR	1.34	0.0	Pn	21:09:06.979	0.0					---				m		10414	
TIR	1.34	332.0	Sn	21:09:23.068	0.3					---				m		10407	
TIR	1.34	332.0	AMl	21:09:29.030						---		0.5	0.90	a	Ml	2.7	5792
PHP	1.53	353.0	Sg	21:09:29.237	1.1					---				m		10409	
PHP	1.53	353.0	Pg	21:09:06.824	0.7					---				m		10408	
PHP	1.53	353.0	AMl	21:09:37.870						---		0.9	1.46	a	Ml	3.1	5793
PUK	1.97	343.0	Sn	21:09:41.852	-0.2					---				m		10411	
PUK	1.97	343.0	Pn	21:09:14.588	0.5					---				m		10410	
PUK	1.97	343.0	AMl	21:09:50.690						---		0.3	0.70	a	Ml	3.0	5794
BCI	2.25	348.0	Sn	21:09:49.132	-0.2					---				m		10413	

BCI 2.25 348.0 Pn 21:09:19.273 1.0 _____ m__ 10412

DATA_TYPE COMMENT GSE2.1
Event 630

Official Magnitude:
Ml 2.71

Error ellipse:

	Azim	Dip	Mag
Max:	261	64	0.7600
Intermediate:	130	17	0.7000
Min:	34	18	0.3400

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785736 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 631 1.5 km from Vilan, Elbasan, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/15	23:22:16.96		0.27	41.0792	20.2937				0.0	1.4	18	13	128	0.42	1.71	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.0	0.0	7	679
Md	2.5	0.0	3	679

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.42	0.0	Pg	23:22:25.492	0.0					_____				m__		10433
TIR	0.42	310.0	Sg	23:22:32.693	-0.5					_____				m__		10415
TIR	0.42	310.0	AMl	23:22:34.190						_____		0.5	0.18	a__ Ml	1.8	5798
KBN	0.59	140.0	Sg	23:22:38.413	0.4					_____				m__		10417
KBN	0.59	140.0	Pg	23:22:28.897	-0.1					_____				m__		10416
KBN	0.59	140.0	AMl	23:22:42.730						_____		0.4	0.48	a__ Ml	2.0	5799
KBN	0.59	140.0	AMd	23:23:02.124						_____		0.0	33.23	a__ Md	2.3	5795
PHP	0.62	10.0	S	23:22:39.139	-0.1					_____				m__		10419
PHP	0.62	10.0	Pg	23:22:29.677	0.0					_____				m__		10418
PHP	0.62	10.0	AMl	23:22:40.750						_____		0.6	0.38	a__ Ml	2.2	5800
PHP	0.62	10.0	AMd	23:23:09.047						_____		0.0	39.37	a__ Md	2.5	5796
VLO	0.86	226.0	Sg	23:22:46.945	0.3					_____				m__		10421
VLO	0.86	226.0	Pg	23:22:33.740	-0.2					_____				m__		10420
NEST	0.88	138.0	Sg	23:22:48.262	-0.2					_____				m__		10423
NEST	0.88	138.0	Pg	23:22:34.573	-0.4					_____				m__		10422
NEST	0.88	138.0	AMl	23:22:51.790						_____		0.1	0.36	a__ Ml	1.8	5801
NEST	0.88	138.0	AMd	23:23:13.206						_____		0.0	38.63	a__ Md	2.5	5797

LSK	0.96	165.0	Sg	23:22:50.528	-0.4	---										m		10425
LSK	0.96	165.0	Pg	23:22:36.022	-0.3	---										m		10424
LSK	0.96	165.0	AMl	23:22:55.820		---				0.2	0.44	a	Ml	2.2			5802	
PUK	1.01	343.0	Sg	23:22:52.666	0.0	---										m		10427
PUK	1.01	343.0	Pg	23:22:36.768	-0.6	---										m		10426
PUK	1.01	343.0	AMl	23:22:56.780		---				0.3	0.16	a	Ml	2.3			5803	
SRN	1.22	191.0	Sn	23:23:00.645	0.1	---										m		10429
SRN	1.22	191.0	Pn	23:22:42.051	0.2	---										m		10428
SRN	1.22	191.0	AMl	23:23:03.200		---				0.1	0.58	a	Ml	1.9			5804	
BCI	1.30	353.0	Sg	23:23:02.086	-0.3	---										m		10431
BCI	1.30	353.0	Pg	23:22:43.325	0.4	---										m		10430
SCTE	1.71	235.0	Pn	23:22:50.105	-0.4	---										m		10432

DATA_TYPE COMMENT GSE2.1
Event 631

Official Magnitude:
Ml 1.95

Error ellipse:

	Azim	Dip	Mag
Max:	210	88	1.4100
Intermediate:	81	0	0.6200
Min:	351	2	0.3300

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785736 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 634 0.6 km from Gozhdarazhdë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/16	20:21:15.73		0.09	40.2552	20.6230				2.2	0.9	12	8	115	0.11	1.66	m	
682																	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.4	0.0	6	682
Md	2.3	0.0	4	682

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
LSK	0.11	191.0	Sg	20:21:19.613	-0.3				---							m	10453
LSK	0.11	191.0	Pg	20:21:18.138	0.0				---							mdi	10452
LSK	0.11	191.0	AMl	20:21:22.770					---			98.9	0.44	a	Ml	3.7	5817
LSK	0.11	191.0	AMd	20:21:51.033					---			0.0	32.89	a	Md	2.3	5813
NEST	0.36	63.0	Sg	20:21:29.463	-0.1				---							m	10455
NEST	0.36	63.0	Pg	20:21:23.286	-0.3				---							mci	10454

NEST	0.36	63.0	AMl	20:21:35.740	---	1.2	0.44	a__	Ml	2.1	5818
NEST	0.36	63.0	AMd	20:22:19.891	---	0.0	56.61	a__	Md	2.9	5814
KBN	0.39	18.0	Sg	20:21:29.597	0.0	---	---	m__	---	---	10457
KBN	0.39	18.0	Pg	20:21:23.734	0.1	---	---	mce	---	---	10456
KBN	0.39	18.0	AMl	20:21:39.110	---	0.8	0.46	a__	Ml	2.0	5819
KBN	0.39	18.0	AMd	20:21:50.232	---	0.0	26.50	a__	Md	2.1	5815
SRN	0.61	233.0	Sn	20:21:38.253	-0.1	---	---	m__	---	---	10459
SRN	0.61	233.0	Pn	20:21:28.482	-0.2	---	---	mce	---	---	10458
SRN	0.61	233.0	AMd	20:22:01.247	---	0.0	32.76	a__	Md	2.3	5816
IGT	0.76	198.0	Sg	20:21:42.777	0.1	---	---	m__	---	---	10461
IGT	0.76	198.0	Pg	20:21:31.215	0.1	---	---	mci	---	---	10460
IGT	0.76	198.0	AMl	20:21:46.550	---	0.5	0.62	a__	Ml	2.3	5820
LKD2	1.46	178.0	Sn	20:22:06.331	0.2	---	---	m__	---	---	10463
LKD2	1.46	178.0	Pn	20:21:44.479	-0.0	---	---	mdi	---	---	10462
LKD2	1.46	178.0	AMl	20:22:10.860	---	0.3	0.90	a__	Ml	2.6	5821
SCTE	1.66	0.0	Pn	20:21:49.545	0.0	---	---	mce	---	---	10465
SCTE	1.66	265.0	Sn	20:22:12.254	0.1	---	---	m__	---	---	10464
SCTE	1.66	265.0	AMl	20:22:18.100	---	0.3	0.50	a__	Ml	2.7	5822

DATA_TYPE COMMENT GSE2.1
Event 634

Official Magnitude:
Ml 2.44

Error ellipse:

	Azim	Dip	Mag
Max:	132	77	0.8800
Intermediate:	306	12	0.4000
Min:	36	1	0.2100

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785737 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 636 1.0 km from Podë, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/15	09:06:41.79		0.09	40.2410	20.6020				1.2	1.1	8	6	120	0.09	1.64	m	684

Magnitude	Err	Nsta	Author	OrigID
Ml	1.5	0.0	3	684

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
LSK	0.09	182.0	Sg	09:06:45.445	-0.0									m__		10481

LSK	0.09	182.0	Pg	09:06:43.875	-0.0	---													m		10480
LSK	0.09	182.0	AM1	09:06:45.758		---				21.4	0.14	a	M1		2.9				a		5827
LSK	0.09	182.0	AM1	09:06:46.008		---				18.9	0.30	a	M1		2.9				a		5826
NEST	0.38	0.0	Pg	09:06:49.374	0.0	---													m		10490
NEST	0.38	62.0	Sg	09:06:56.422	-0.1	---													m		10482
NEST	0.38	62.0	AM1	09:06:59.218		---				0.3	0.46	a	M1		1.5				a		5829
NEST	0.38	62.0	AM1	09:06:59.128		---				0.2	0.18	a	M1		1.4				a		5828
KBN	0.41	20.0	Sg	09:06:56.613	0.1	---													m		10483
SRN	0.59	233.0	Sg	09:07:03.999	0.1	---													m		10485
SRN	0.59	233.0	Pg	09:06:54.355	-0.1	---													m		10484
SRN	0.59	233.0	AM1	09:07:07.358		---				0.1	0.62	a	M1		1.5				a		5830
IGT	0.74	197.0	Sg	09:07:08.825	0.4	---													m		10487
IGT	0.74	197.0	Pg	09:06:57.149	0.1	---													m		10486
SCTE	1.64	265.0	S	09:07:37.869	-0.1	---													m		10489
SCTE	1.64	265.0	Pn	09:07:13.351	-0.5	---													m		10488

DATA_TYPE COMMENT GSE2.1
Event 636

Official Magnitude:
M1 1.53

Error ellipse:

	Azim	Dip	Mag
Max:	145	53	1.3400
Intermediate:	286	30	0.3900
Min:	28	19	0.2600

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785737 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 638 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/15	12:06:08.36		0.10	40.2615	20.5998				1.5	1.5	7	6	194	0.11	1.47	m	
686																	

Magnitude	Err	Nsta	Author	OrigID
M1	1.6	0.0	5	686

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
NEST	0.00	0.0	Pg	12:06:16.380	0.0					---						10508
NEST	0.38	65.0	Sg	12:06:22.748	-0.0					---						10501
NEST	0.38	65.0	AM1	12:06:25.528						---		0.3	0.24	a	M1	5838
NEST	0.38	65.0	AM1	12:06:24.518						---		0.3	0.24	a	M1	5837

LSK	0.11	181.0	Sg	12:06:12.679	-0.1	---											m		10500
LSK	0.11	181.0	Pg	12:06:10.964	0.1	---											m		10499
LSK	0.11	181.0	AM1	12:06:12.918		---				13.7	0.16	a	M1	2.8					5836
LSK	0.11	181.0	AM1	12:06:13.228		---				17.1	0.18	a	M1	2.9					5835
SRN	0.60	231.0	Sg	12:06:30.884	0.1	---											m		10503
SRN	0.60	231.0	Pg	12:06:20.995	-0.2	---											m		10502
SRN	0.60	231.0	AM1	12:06:34.088		---				0.1	0.24	a	M1	1.4					5839
IGT	0.76	196.0	Sg	12:06:34.814	-0.7	---											m		10505
IGT	0.76	196.0	Pg	12:06:24.000	0.1	---											m		10504
IGT	0.76	196.0	AM1	12:06:41.558		---				0.1	0.56	a	M1	1.6					5840
LKD2	1.47	178.0	Sn	12:06:59.698	0.6	---											m		10507
LKD2	1.47	178.0	Pn	12:06:37.420	0.1	---											m		10506
LKD2	1.47	178.0	AM1	12:07:07.048		---				0.2	0.86	a	M1	2.4					5841

DATA_TYPE COMMENT GSE2.1
Event 638

Official Magnitude:
M1 1.58

Error ellipse:

	Azim	Dip	Mag
Max:	163	77	1.5400
Intermediate:	319	11	0.8100
Min:	50	5	0.3900

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785737 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 639 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/15	14:49:12.41		0.22	40.2745	20.6173				2.9	1.1	8	27	195	0.13	1.48	m	
687																	

Magnitude	Err	Nsta	Author	OrigID
M1	1.6	0.0	4	687

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
NEST	0.00	0.0	Pg	14:49:20.536	0.0				---							m	10518
NEST	0.36	66.0	Sg	14:49:26.062	0.1				---							m	10511
NEST	0.36	66.0	AM1	14:49:30.350					---			0.3	0.34	a	M1	1.5	5844
LSK	0.13	187.0	Sg	14:49:17.247	-0.0				---							m	10510
LSK	0.13	187.0	Pg	14:49:15.429	0.2				---							m	10509
LSK	0.13	187.0	AM1	14:49:17.440					---			9.8	0.14	a	M1	2.7	5843

LSK	0.13	187.0	AM1	14:49:17.740	---	13.3	0.16	a	M1	2.9	5842
SRN	0.62	231.0	Sg	14:49:35.513	0.3	---	---	m	---	---	10513
SRN	0.62	231.0	Pg	14:49:25.129	-0.3	---	---	m	---	---	10512
SRN	0.62	231.0	AM1	14:49:39.030	---	0.1	0.42	a	M1	1.4	5846
SRN	0.62	231.0	AM1	14:49:37.320	---	0.1	0.26	a	M1	1.3	5845
IGT	0.77	197.0	Sg	14:49:38.815	-1.1	---	---	m	---	---	10515
IGT	0.77	197.0	Pg	14:49:30.085	2.0	---	---	m	---	---	10514
IGT	0.77	197.0	AM1	14:49:45.760	---	0.1	0.76	a	M1	1.7	5847
LKD2	1.48	178.0	Sn	14:50:03.255	0.0	---	---	m	---	---	10517
LKD2	1.48	178.0	Pn	14:49:41.189	-0.3	---	---	m	---	---	10516

DATA_TYPE COMMENT GSE2.1
Event 639

Official Magnitude:
M1 1.64

Error ellipse:

	Azim	Dip	Mag
Max:	151	56	1.2900
Intermediate:	311	32	0.9300
Min:	47	9	0.4900

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785737 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 640 0.7 km from Sanjollas, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/15	15:40:13.14		0.26	40.2578	20.6045				2.0	1.9	9	28	148	0.11	1.47	m	688

Magnitude	Err	Nsta	Author	OrigID
M1	2.1	0.0	4	688

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
LSK	0.10	0.0	Pg	15:40:15.015	0.0	---	---	---	---	---	---	---	---	m	---	10529	
LSK	0.11	183.0	Sg	15:40:16.956	-0.4	---	---	---	---	---	---	---	---	m	---	10519	
LSK	0.11	183.0	AM1	15:40:19.830	---	---	---	---	---	---	---	49.1	0.50	a	M1	3.4	5849
LSK	0.11	183.0	AM1	15:40:18.670	---	---	---	---	---	---	---	34.6	0.32	a	M1	3.2	5848
NEST	0.37	65.0	Sg	15:40:27.151	-0.2	---	---	---	---	---	---	---	---	m	---	10521	
NEST	0.37	65.0	Pg	15:40:20.516	-0.8	---	---	---	---	---	---	---	---	m	---	10520	
NEST	0.37	65.0	AM1	15:40:29.110	---	---	---	---	---	---	---	0.5	0.30	a	M1	1.8	5851
NEST	0.37	65.0	AM1	15:40:30.080	---	---	---	---	---	---	---	0.6	0.32	a	M1	1.8	5850
KBN	0.39	20.0	Sg	15:40:27.254	0.1	---	---	---	---	---	---	---	---	m	---	10522	

SRN	0.60	232.0	Sg	15:40:35.202	-0.3	---											m		10524
SRN	0.60	232.0	Pg	15:40:24.679	-1.2	---											m		10523
SRN	0.60	232.0	AM1	15:40:36.810		---					0.1	0.56	a	M1		1.4		5852	
IGT	0.76	197.0	Sg	15:40:40.369	0.2	---											m		10526
IGT	0.76	197.0	Pg	15:40:28.565	0.0	---											m		10525
LKD2	1.47	178.0	Sg	15:41:03.811	0.2	---											m		10528
LKD2	1.47	178.0	Pg	15:40:42.342	0.4	---											m		10527
LKD2	1.47	178.0	AM1	15:41:04.950		---					0.1	1.44	a	M1		2.3		5853	

DATA_TYPE COMMENT GSE2.1
Event 640

Official Magnitude:
M1 2.06

Error ellipse:

	Azim	Dip	Mag
Max:	140	78	1.8900
Intermediate:	299	11	1.0100
Min:	30	4	0.4300

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785737 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 641 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/15	17:52:44.15		0.36	40.2242	20.6747				0.0	1.2	12	30	125	0.09	1.70	m	
689																	

Magnitude	Err	Nsta	Author	OrigID
M1	2.6	0.0	5	689

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
LSK	0.09	219.0	Sg	17:52:47.963	0.0									m		10531	
LSK	0.09	219.0	Pg	17:52:46.124	-0.2									m		10530	
LSK	0.09	219.0	AM1	17:52:50.800								240.9	0.50	a	M1	4.0	5855
LSK	0.09	219.0	AM1	17:52:50.230								176.1	0.44	a	M1	3.9	5854
NEST	0.34	0.0	Pg	17:52:51.196	0.0									m		10543	
NEST	0.34	56.0	Sg	17:52:56.937	-0.9									m		10532	
NEST	0.34	56.0	AM1	17:53:04.980								2.3	0.60	a	M1	2.4	5856
KBN	0.41	12.0	Pg	17:52:52.390	-0.4									m		10534	
KBN	0.41	12.0	Sg	17:53:00.481	1.3									m		10533	
KBN	0.41	12.0	AM1	17:53:09.710								2.0	0.88	a	M1	2.4	5857
SRN	0.62	237.0	Pg	17:52:56.644	-1.0									m		10536	

SRN	0.62	237.0	Sg	17:53:05.702	-2.1	---												m				10535	
SRN	0.62	237.0	AM1	17:53:11.880		---												0.7	0.38	a	M1	2.3	5858
IGT	0.74	202.0	Sg	17:53:11.179	0.1	---																	10538
IGT	0.74	202.0	Pg	17:52:59.439	-0.1	---																	10537
LKD2	1.43	181.0	Sn	17:53:34.194	0.1	---																	10540
LKD2	1.43	181.0	Pn	17:53:12.906	0.2	---																	10539
LKD2	1.43	181.0	AM1	17:53:37.780		---												0.6	0.74	a	M1	2.9	5859
SCTE	1.70	266.0	Sn	17:53:42.084	-0.2	---																	10542
SCTE	1.70	266.0	Pn	17:53:17.869	0.5	---																	10541

DATA_TYPE COMMENT GSE2.1
Event 641

Official Magnitude:
M1 2.64

Error ellipse:

	Azim	Dip	Mag
Max:	277	76	1.2400
Intermediate:	126	11	1.0000
Min:	35	7	0.6100

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785736 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 642 1.5 km from Radimisht, Korçë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/17	18:41:24.29		0.01	40.2618	20.5512				5.1	1.2	4	31	233	0.12	0.75	m	
690																	

Magnitude	Err	Nsta	Author	OrigID
M1	1.9	0.0	2	690

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
LSK	0.00	0.0	Pg	18:41:27.370	0.0					---						10549	
LSK	0.12	161.0	Sg	18:41:29.016	0.0					---						10544	
LSK	0.12	161.0	AM1	18:41:30.950						---		8.4	0.40	a	M1	2.6	5861
LSK	0.12	161.0	AM1	18:41:29.310						---		6.6	0.14	a	M1	2.5	5860
NEST	0.41	67.0	Sg	18:41:39.226	0.0					---						10546	
NEST	0.41	67.0	Pg	18:41:32.828	0.0					---						10545	
NEST	0.41	67.0	AM1	18:41:44.690						---		0.1	0.24	a	M1	1.2	5863
NEST	0.41	67.0	AM1	18:41:43.280						---		0.1	0.22	a	M1	1.3	5862
IGT	0.75	194.0	Sg	18:41:50.555	0.0					---						10548	
IGT	0.75	194.0	Pg	18:41:41.413	2.1					---						10547	

DATA_TYPE COMMENT GSE2.1
 Event 642

Official Magnitude:
 Ml 1.90

Error ellipse:

	Azim	Dip	Mag
Max:	126	30	2.2600
Intermediate:	279	56	0.6800
Min:	29	13	0.3300

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556785735 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 650 3.1 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
2019/04/22	14:07:28.64		0.21	41.4888	19.4998				25.6	1.2	23	21	113	0.31	2.05	m	
OrigID 698																	

Magnitude	Err	Nsta	Author	OrigID
Ml	3.2	0.0	9	698
Md	3.0	0.0	16	698

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
TIR	0.31	117.0	Sg	14:07:39.186	-2.5									m		10655	
TIR	0.31	117.0	Pg	14:07:35.727	-0.4									m		10654	
TIR	0.31	117.0	AMl	14:07:39.800								13.4	0.24	a	Ml	3.2	5924
TIR	0.31	117.0	AMd	14:08:15.263								0.0	39.54	a	Md	2.5	5908
ULC	0.51	339.0	Pg	14:07:39.486	0.1									m		10656	
ULC	0.51	339.0	AMd	14:08:45.303								0.0	65.82	a	Md	3.0	5909
PUK	0.63	27.0	Sg	14:07:51.022	0.3									m		10658	
PUK	0.63	27.0	Pg	14:07:40.797	-0.5									m		10657	
PUK	0.63	27.0	AMl	14:07:55.640								3.2	0.34	a	Ml	3.0	5925
PUK	0.63	27.0	AMd	14:08:34.416								0.0	53.62	a	Md	2.8	5910
PHP	0.73	74.0	Sg	14:07:54.025	0.3									m		10660	
PHP	0.73	74.0	Pg	14:07:42.370	-0.6									m		10659	
PHP	0.73	74.0	AMl	14:07:59.030								5.6	0.76	a	Ml	3.3	5926
PHP	0.73	74.0	AMd	14:08:53.771								0.0	71.40	a	Md	3.1	5911
DRME	0.73	342.0	Pg	14:07:43.391	0.1									m		10661	
DRME	0.73	342.0	AMd	14:08:52.561								0.0	69.17	a	Md	3.1	5912
BUM	0.93	332.0	Pg	14:07:46.760	0.1									m		10662	
BUM	0.93	332.0	AMd	14:08:49.335								0.0	62.58	a	Md	3.0	5913

BCI	0.97	0.0	Pg	14:07:46.432	0.0	---			m				10680
BCI	0.97	25.0	Sg	14:08:01.094	-0.4	---			m				10663
BCI	0.97	25.0	AMl	14:08:09.450		---		2.6	0.42	a	Ml	3.2	5927
VLO	1.02	181.0	Sn	14:08:01.815	-0.0	---				m			10665
VLO	1.02	181.0	Pn	14:07:47.755	0.2	---				m			10664
VLO	1.02	181.0	AMl	14:08:08.600		---		4.1	0.30	a	Ml	3.4	5928
VLO	1.02	181.0	AMd	14:08:47.924		---		0.0	60.17	a	Md	3.0	5914
CEME	1.14	338.0	Pg	14:07:50.550	0.1	---				m			10666
CEME	1.14	338.0	AMd	14:08:57.601		---		0.0	67.05	a	Md	3.1	5915
PVY	1.16	17.0	Pg	14:07:50.945	0.1	---				m			10667
PVY	1.16	17.0	AMd	14:08:42.279		---		0.0	51.33	a	Md	2.8	5916
HCY	1.22	323.0	Pg	14:07:51.889	0.0	---				m			10668
HCY	1.22	323.0	AMd	14:09:04.658		---		0.0	72.77	a	Md	3.2	5917
KBN	1.30	131.0	Sg	14:08:11.151	0.1	---				m			10670
KBN	1.30	131.0	Pg	14:07:52.973	0.1	---				m			10669
KBN	1.30	131.0	AMl	14:08:15.860		---		1.4	0.68	a	Ml	3.2	5929
KBN	1.30	131.0	AMd	14:08:53.972		---		0.0	61.00	a	Md	3.0	5918
BEY	1.41	12.0	Pg	14:07:55.284	0.0	---				m			10671
BEY	1.41	12.0	AMd	14:09:11.916		---		0.0	76.63	a	Md	3.3	5919
LSK	1.58	147.0	S	14:08:19.734	0.0	---				m			10673
LSK	1.58	147.0	Pn	14:07:57.833	-0.0	---				m			10672
LSK	1.58	147.0	AMl	14:08:34.120		---		1.6	0.62	a	Ml	3.4	5930
LSK	1.58	147.0	AMd	14:09:31.069		---		0.0	93.24	a	Md	3.5	5920
SCTE	1.61	210.0	Sn	14:08:20.140	-0.8	---				m			10675
SCTE	1.61	210.0	Pn	14:07:58.448	-0.1	---				m			10674
SCTE	1.61	210.0	AMl	14:08:22.530		---		1.7	0.78	a	Ml	3.5	5931
SCTE	1.61	210.0	AMd	14:08:57.803		---		0.0	59.35	a	Md	3.0	5921
SRN	1.65	166.0	Sn	14:08:21.410	-1.3	---				m			10677
SRN	1.65	166.0	Pn	14:07:59.493	-0.0	---				m			10676
SRN	1.65	166.0	AMl	14:08:32.570		---		0.4	0.44	a	Ml	2.9	5932
SRN	1.65	166.0	AMd	14:09:31.069		---		0.0	91.58	a	Md	3.5	5922
IGT	2.05	161.0	Sn	14:08:31.177	-1.4	---				m			10679
IGT	2.05	161.0	Pn	14:08:05.186	0.0	---				m			10678
IGT	2.05	161.0	AMd	14:09:38.332		---		0.0	93.15	a	Md	2.9	5923

DATA_TYPE COMMENT GSE2.1
Event 650

Official Magnitude:
Ml 3.24

Error ellipse:

	Azim	Dip	Mag
Max:	32	77	1.2500
Intermediate:	265	7	0.5600
Min:	174	10	0.3200

BEGIN GSE2.1

MSG_TYPE DATA
 MSG_ID 1556785735 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 651 0.7 km from Gramëz, Durrës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/23	06:43:52.50		0.23	41.5295	19.6515				15.6	2.3	13	16	179	0.24	1.60	m	
OrigID 699																	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.6	0.0	2	699

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.24	0.0	Pg	06:43:58.259	0.0											10696
TIR	0.24	138.0	Sg	06:44:02.430	0.1											10681
TIR	0.24	138.0	AMl	06:44:02.500								8.1	0.20	a__	Ml	2.9
ULC	0.53	326.0	Pg	06:44:03.185	-0.1											10682
PUK	0.54	19.0	Sg	06:44:11.895	0.2											10684
PUK	0.54	19.0	Pg	06:44:03.495	0.0											10683
PUK	0.54	19.0	AMl	06:44:16.400								1.0	0.30	a__	Ml	2.3
PHP	0.61	75.0	Sg	06:44:13.675	0.0											10686
PHP	0.61	75.0	Pg	06:44:04.521	-0.1											10685
DRME	0.74	333.0	Pn	06:44:07.151	-0.2											10687
BCI	0.89	20.0	P	06:44:08.183	-1.8											10688
BUM	0.95	325.0	P	06:44:11.420	0.2											10689
CEME	1.15	332.0	Pn	06:44:14.429	-0.3											10690
HCY	1.26	317.0	Pn	06:44:17.068	0.4											10691
KOME	1.32	356.0	Pn	06:44:18.780	1.0											10692
NKME	1.34	338.0	Pn	06:44:18.371	0.3											10693
BEY	1.35	7.0	P	06:44:18.065	-0.2											10694
BRY	1.60	330.0	P	06:44:22.064	-0.6											10695

DATA_TYPE COMMENT GSE2.1
 Event 651

Official Magnitude:
 Ml 2.62

Error ellipse:

	Azim	Dip	Mag
Max:	136	74	2.4000
Intermediate:	36	2	0.9000
Min:	305	16	0.5300

BEGIN GSE2.1
 MSG_TYPE DATA

MSG_ID 1556785735 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 652 1.0 km from Kullas, Durres, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/23	08:58:14.06		0.33	41.5075	19.6017				25.0	1.8	16	17	134	0.25	2.89	m	

Magnitude	Err	Nsta	Author	OrigID
M1	3.8	0.0	4	700

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.25	0.0	Pg	08:58:20.321	0.0									mdi		10715
TIR	0.25	128.0	Sg	08:58:25.235	-0.4									m__		10697
TIR	0.25	128.0	AM1	08:58:24.710								265.4	0.46	a__	M1	5935
ULC	0.53	331.0	Pg	08:58:24.496	-0.5									mdi	4.5	10698
PUK	0.58	22.0	Sg	08:58:34.497	0.0									m__		10700
PUK	0.58	22.0	Pg	08:58:25.430	-0.3									mdi		10699
PUK	0.58	22.0	AM1	08:58:41.180								10.1	0.24	a__	M1	5936
DRME	0.74	336.0	Pn	08:58:28.456	-0.4									mde		10701
BCI	0.93	21.0	Sn	08:58:45.399	0.1									m__		10703
BCI	0.93	21.0	Pn	08:58:31.410	-0.5									mdi		10702
BCI	0.93	21.0	AM1	08:58:57.940								14.1	0.82	a__	M1	5937
BUM	0.95	327.0	Pn	08:58:32.539	0.1									mde		10704
VLO	1.04	185.0	Sg	08:58:47.661	-0.2									m__		10706
VLO	1.04	185.0	Pg	08:58:35.296	1.9									mci		10705
PVY	1.12	14.0	Pn	08:58:35.663	0.2									mde		10707
CEME	1.16	335.0	Pn	08:58:36.056	-0.1									mce		10708
HCY	1.25	319.0	Pn	08:58:38.424	0.6									mde		10709
KOME	1.34	358.0	Pn	08:58:39.756	0.3									mde		10710
NKME	1.35	340.0	Pn	08:58:40.016	0.5									mde		10711
SRN	1.65	169.0	Sn	08:59:08.266	0.0									m__		10713
SRN	1.65	169.0	Pn	08:58:43.611	-1.4									mci		10712
SRN	1.65	169.0	AM1	08:59:17.890								2.4	0.56	a__	M1	5938
SGRT	2.89	277.0	P	08:58:59.274	-3.7									m__		10714

DATA_TYPE COMMENT GSE2.1
 Event 652

Official Magnitude:
 M1 3.78

Error ellipse:

	Azim	Dip	Mag
Max:	84	69	1.8600
Intermediate:	266	20	1.0600
Min:	176	1	0.5500

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556785735 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 653 0.6 km from Mallkuç, Durrës, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/23	16:46:37.87		0.09	41.4980	19.6243				25.0	0.9	16	18	144	0.23	1.64	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	3.3	0.0	5	701
Md	3.0	0.0	12	701

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
TIR	0.23	129.0	Sg	16:46:48.173	-0.8									m		10717	
TIR	0.23	129.0	Pg	16:46:44.126	-0.1									m		10716	
TIR	0.23	129.0	AMl	16:46:48.680								31.9	0.24	a	Ml	3.6	5951
TIR	0.23	129.0	AMd	16:47:20.752								0.0	36.63	a	Md	2.4	5939
ULC	0.54	330.0	Pg	16:46:48.831	-0.3									m		10718	
ULC	0.54	330.0	AMd	16:47:48.443								0.0	59.61	a	Md	2.9	5940
PUK	0.58	20.0	Sg	16:46:58.447	-0.1									m		10720	
PUK	0.58	20.0	Pg	16:46:49.634	-0.1									m		10719	
PUK	0.58	20.0	AMl	16:47:03.430								4.8	0.30	a	Ml	3.1	5952
PUK	0.58	20.0	AMd	16:47:45.350								0.0	55.72	a	Md	2.9	5941
PHP	0.64	72.0	Pg	16:46:50.486	-0.1									m		10721	
DRME	0.76	335.0	Pg	16:46:53.006	0.0									m		10722	
DRME	0.76	335.0	AMd	16:47:51.260								0.0	58.25	a	Md	2.9	5942
BCI	0.93	0.0	Pg	16:46:55.872	0.0									m		10734	
BCI	0.93	20.0	Sg	16:47:09.226	-0.1									m		10723	
BCI	0.93	20.0	AMl	16:47:19.250								3.9	0.60	a	Ml	3.3	5953
VLO	1.03	186.0	Sg	16:47:11.507	0.0									m		10725	
VLO	1.03	186.0	Pg	16:46:57.097	0.0									m		10724	
VLO	1.03	186.0	AMl	16:47:22.150								6.6	0.18	a	Ml	3.7	5954
VLO	1.03	186.0	AMd	16:48:05.170								0.0	68.07	a	Md	3.1	5943
PVY	1.13	13.0	Pg	16:46:57.952	-1.5									m		10726	
PVY	1.13	13.0	AMd	16:47:50.552								0.0	52.60	a	Md	2.9	5944
CEME	1.17	334.0	Pg	16:47:00.227	0.0									m		10727	
CEME	1.17	334.0	AMd	16:47:52.665								0.0	52.44	a	Md	2.8	5945
KOME	1.35	357.0	Pn	16:47:03.417	-0.0									m		10728	
KOME	1.35	357.0	AMd	16:48:14.735								0.0	71.32	a	Md	3.2	5946
NKME	1.36	339.0	Pn	16:47:03.601	0.0									m		10729	
NKME	1.36	339.0	AMd	16:48:07.847								0.0	64.25	a	Md	3.1	5947
BEY	1.39	8.0	Pn	16:47:04.169	0.2									m		10730	
BEY	1.39	8.0	AMd	16:48:10.518								0.0	66.35	a	Md	3.1	5948
BRY	1.62	331.0	Pn	16:47:07.860	-0.0									m		10731	

BRY	1.62	331.0	AMd	16:48:14.876	---	0.0	67.02	a__	Md	3.1	5949
SRN	1.64	169.0	Sn	16:47:31.673	-0.1	---	---	m__	---	---	10733
SRN	1.64	169.0	Pn	16:47:08.185	-0.5	---	---	m__	---	---	10732
SRN	1.64	169.0	AMl	16:47:37.950	---	0.5	0.36	a__	Ml	2.9	5955
SRN	1.64	169.0	AMd	16:48:17.259	---	0.0	69.07	a__	Md	3.2	5950

DATA_TYPE COMMENT GSE2.1
Event 653

Official Magnitude:
Ml 3.33

Error ellipse:

	Azim	Dip	Mag
Max:	78	68	0.9600
Intermediate:	273	20	0.5800
Min:	182	5	0.2500

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785735 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 657 1.3 km from Damaj, Durres, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/23	11:37:06.75		0.13	41.5068	19.5750				12.3	1.3	9	31	207	0.27	1.83	m	
705																	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.4	0.0	3	705

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
TIR	0.27	0.0	Pg	11:37:13.090	0.0					---				m__		10795
TIR	0.27	126.0	Sg	11:37:17.149	-0.0					---				m__		10784
TIR	0.27	126.0	AMl	11:37:16.980						---		2.8	0.48	a__	Ml	2.4
ULC	0.52	333.0	Pg	11:37:17.435	0.1					---				m__		10785
PUK	0.59	23.0	Sg	11:37:27.383	0.1					---				m__		10787
PUK	0.59	23.0	Pg	11:37:17.917	-0.6					---				m__		10786
PUK	0.59	23.0	AMl	11:37:29.980						---		0.9	0.24	a__	Ml	2.3
PUK	0.59	23.0	AMl	11:37:31.940						---		1.1	0.22	a__	Ml	2.4
DRME	0.74	338.0	Pg	11:37:21.412	-0.1					---				m__		10788
BCI	0.93	22.0	Sg	11:37:38.776	-0.1					---				m__		10790
BCI	0.93	22.0	Pg	11:37:24.444	-0.7					---				m__		10789
BCI	0.93	22.0	AMl	11:37:47.080						---		0.7	0.38	a__	Ml	2.6
BUM	0.94	328.0	Pn	11:37:26.178	0.9					---				m__		10791
CEME	1.15	335.0	Pn	11:37:29.033	-0.1					---				m__		10792

BEY	1.38	9.0	Pn	11:37:33.500	0.2	---	m	10793
PLE	1.83	356.0	Pn	11:37:41.088	-0.0	---	m	10794

DATA_TYPE COMMENT GSE2.1
Event 657

Official Magnitude:
Ml 2.44

Error ellipse:

	Azim	Dip	Mag
Max:	142	75	1.3600
Intermediate:	238	1	0.6700
Min:	328	15	0.4000

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785734 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 661 1.1 km from Bejkollat, Berat, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/28	20:20:42.82		0.18	40.6615	19.9948				16.9	0.9	22	31	75	0.26	1.70	m	
OrigID 709																	

Magnitude	Err	Nsta	Author	OrigID
Ml	3.0	0.0	10	709

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
BPA1	0.27	284.0	Sg	20:20:53.583	0.1					---				m		10854	
BPA1	0.27	284.0	Pg	20:20:49.034	0.1					---				m		10853	
BPA1	0.27	284.0	AMl	20:20:57.060						---		14.6	0.78	a	Ml	3.2	6015
BPA2	0.29	0.0	Pg	20:20:49.297	0.0					---				m		10877	
BPA2	0.29	284.0	Sg	20:20:54.425	0.0					---				m		10855	
BPA2	0.29	284.0	AMl	20:20:55.180						---		22.2	0.14	a	Ml	3.4	6016
VLO	0.43	244.0	Sg	20:20:57.285	-0.0					---				m		10857	
VLO	0.43	244.0	Pg	20:20:51.258	0.2					---				m		10856	
VLO	0.43	244.0	AMl	20:21:01.720						---		18.4	0.22	a	Ml	3.4	6017
KBN	0.60	93.0	Sg	20:21:03.333	-0.1					---				m		10859	
KBN	0.60	93.0	Pg	20:20:54.870	0.3					---				m		10858	
KBN	0.60	93.0	AMl	20:21:09.060						---		2.2	0.78	a	Ml	2.8	6018
LSK	0.69	137.0	Sg	20:21:06.975	0.2					---				m		10861	
LSK	0.69	137.0	Pg	20:20:55.526	-1.0					---				m		10860	
LSK	0.69	137.0	AMl	20:21:17.810						---		2.6	0.46	a	Ml	2.9	6019
TIR	0.69	352.0	Sg	20:21:07.183	0.0					---				m		10863	
TIR	0.69	352.0	Pg	20:20:56.573	-0.2					---				m		10862	

TIR	0.69	352.0	AM1	20:21:14.720	---	1.2	0.56	a	M1	2.6	6020
SRN	0.78	179.0	Sg	20:21:10.383	-0.3	---	---	m	---	---	10865
SRN	0.78	179.0	Pg	20:20:58.259	-0.5	---	---	m	---	---	10864
SRN	0.78	179.0	AM1	20:21:16.070	---	1.1	0.54	a	M1	2.7	6021
NEST	0.84	106.0	Sn	20:21:12.032	0.1	---	---	m	---	---	10867
NEST	0.84	106.0	Pn	20:20:59.129	-0.3	---	---	m	---	---	10866
PHP	1.08	18.0	Pn	20:21:03.026	-0.3	---	---	m	---	---	10868
IGT	1.16	167.0	Sn	20:21:21.946	0.2	---	---	m	---	---	10870
IGT	1.16	167.0	Pn	20:21:05.985	0.9	---	---	m	---	---	10869
SCTE	1.30	244.0	Pn	20:21:07.555	-0.1	---	---	m	---	---	10871
SCTE	1.30	244.0	AM1	20:21:28.830	---	0.9	0.30	a	M1	3.0	6022
PUK	1.38	357.0	Sn	20:21:28.485	-0.0	---	---	m	---	---	10873
PUK	1.38	357.0	Pn	20:21:09.131	0.2	---	---	m	---	---	10872
PUK	1.38	357.0	AM1	20:21:39.720	---	0.8	0.58	a	M1	3.0	6023
ULC	1.42	337.0	Pn	20:21:09.665	0.0	---	---	m	---	---	10874
DRME	1.64	339.0	Pn	20:21:13.209	-0.4	---	---	m	---	---	10875
BCI	1.70	1.0	Pn	20:21:14.973	0.3	---	---	m	---	---	10876
BCI	1.70	1.0	AM1	20:21:47.460	---	1.1	0.92	a	M1	3.3	6024

DATA_TYPE COMMENT GSE2.1
Event 661

Official Magnitude:
M1 2.97

Error ellipse:

	Azim	Dip	Mag
Max:	251	76	0.9300
Intermediate:	39	12	0.3300
Min:	131	7	0.2800

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785734 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 662 2.1 km from Fterë, Vlorë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/28	20:42:06.11		0.26	40.1050	19.9143				28.7	0.9	16	31	114	0.49	1.94	m	710

Magnitude	Err	Nsta	Author	OrigID
M1	2.2	0.0	10	710

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
SRN	0.23	163.0	Sg	20:42:16.032	-2.5					---				m		10879

SRN	0.23	163.0	Pg	20:42:11.045	-2.1	---		m				10878
SRN	0.23	163.0	AM1	20:42:17.250		---	3.5	0.42	a	M1	2.7	6025
VLO	0.48	319.0	Sg	20:42:23.623	0.4	---			m			10881
VLO	0.48	319.0	Pg	20:42:15.806	-0.1	---			m			10880
VLO	0.48	319.0	AM1	20:42:29.660		---	2.3	0.32	a	M1	2.6	6026
LSK	0.52	0.0	Pg	20:42:16.243	0.0	---			m			10897
LSK	0.53	84.0	Sg	20:42:25.352	-0.1	---			m			10882
LSK	0.53	84.0	AM1	20:42:29.110		---	0.7	0.46	a	M1	2.2	6027
IGT	0.66	150.0	Sg	20:42:29.699	0.2	---			m			10884
IGT	0.66	150.0	Pg	20:42:19.253	-0.3	---			m			10883
IGT	0.66	150.0	AM1	20:42:35.760		---	0.4	0.24	a	M1	2.1	6028
KBN	0.84	51.0	Sg	20:42:35.637	1.2	---			m			10886
KBN	0.84	51.0	Pg	20:42:21.758	-0.5	---			m			10885
KBN	0.84	51.0	AM1	20:42:40.340		---	0.3	0.50	a	M1	2.2	6030
KBN	0.84	51.0	AM1	20:42:40.710		---	0.3	0.74	a	M1	2.2	6029
NEST	0.92	70.0	Sg	20:42:37.818	0.2	---			m			10888
NEST	0.92	70.0	Pg	20:42:24.063	-0.1	---			m			10887
NEST	0.92	70.0	AM1	20:42:47.140		---	0.2	0.62	a	M1	2.0	6031
SCTE	1.11	270.0	Sn	20:42:43.107	-0.3	---			m			10890
SCTE	1.11	270.0	Pn	20:42:27.407	0.0	---			m			10889
SCTE	1.11	270.0	AM1	20:42:44.930		---	0.7	0.24	a	M1	2.8	6032
TIR	1.24	359.0	Sg	20:42:48.290	0.9	---			m			10892
TIR	1.24	359.0	Pg	20:42:29.994	0.3	---			m			10891
TIR	1.24	359.0	AM1	20:42:56.300		---	0.2	0.38	a	M1	2.2	6033
LKD2	1.43	156.0	Sn	20:42:53.343	0.2	---			m			10894
LKD2	1.43	156.0	Pn	20:42:33.213	0.2	---			m			10893
LKD2	1.43	156.0	AM1	20:42:59.270		---	0.3	0.26	a	M1	2.6	6034
PUK	1.94	0.0	Sn	20:43:06.299	0.0	---			m			10896
PUK	1.94	0.0	Pn	20:42:40.213	-0.3	---			m			10895
PUK	1.94	0.0	AM1	20:43:15.520		---	0.1	0.64	a	M1	2.5	6035

DATA_TYPE COMMENT GSE2.1
Event 662

Official Magnitude:
M1 2.19

Error ellipse:

	Azim	Dip	Mag
Max:	69	78	0.9400
Intermediate:	218	9	0.5500
Min:	309	6	0.4300

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785733 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 668 2.9 km from Ndërshenë, Lezhë, Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/30	14:52:59.28		0.03	41.8053	20.0990				19.8	0.7	8	31	147	0.28	1.36	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.5	0.0	3	717
Md	1.8	0.0	2	717

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
PHP	0.28	115.0	Pg	14:53:05.631	0.0									m		10972	
PHP	0.28	115.0	AMl	14:53:12.710								0.3	0.32	a	Ml	1.5	6080
PHP	0.28	115.0	AMd	14:53:25.312								0.0	19.68	a	Md	1.8	6077
PUK	0.28	328.0	Sg	14:53:10.661	0.0									m		10971	
PUK	0.28	328.0	Pg	14:53:05.806	0.0									m		10970	
PUK	0.28	328.0	AMl	14:53:12.340								0.6	0.12	a	Ml	1.9	6079
PUK	0.28	328.0	AMl	14:53:11.220								0.6	0.20	a	Ml	1.8	6078
PUK	0.28	328.0	AMd	14:53:24.348								0.0	18.54	a	Md	1.8	6076
TIR	0.49	202.0	Pg	14:53:09.333	-0.2									m		10974	
TIR	0.49	202.0	Sg	14:53:17.235	0.0									m		10973	
TIR	0.49	202.0	AMl	14:53:22.320								0.1	0.28	a	Ml	1.2	6082
TIR	0.49	202.0	AMl	14:53:19.450								0.1	0.36	a	Ml	1.2	6081
ULC	0.65	0.0	Pg	14:53:12.353	0.0									m		10979	
DRME	0.78	300.0	Pg	14:53:14.638	-0.0									m		10975	
BUM	1.02	300.0	Pg	14:53:18.990	0.0									m		10976	
CEME	1.15	311.0	Pg	14:53:21.194	-0.0									m		10977	
HCY	1.36	299.0	Pg	14:53:24.299	-0.7									m		10978	

DATA_TYPE COMMENT GSE2.1
Event 668

Official Magnitude:
Ml 1.45

Error ellipse:

	Azim	Dip	Mag
Max:	81	55	0.8100
Intermediate:	248	33	0.5700
Min:	342	6	0.3400

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

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556785745 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 578 2.1 km from Debelldeh, Gjilan, Kosovo

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/08	22:44:49.12		0.26	42.2657	21.3740				11.1	2.0	16	15	291	0.91	2.15	m	
619																	

Magnitude	Err	Nsta	Author	OrigID
Ml	3.1	0.0	4	619
Md	3.3	0.0	4	619

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
PHP	0.91	231.0	Sg	22:45:19.831	-0.2					---				m		9518
PHP	0.91	231.0	Pg	22:45:06.826	0.0					---				mci		9517
PHP	0.91	231.0	AMl	22:45:22.020						---		3.3	0.32	a	Ml	3.2
PHP	0.91	231.0	AMd	22:46:27.913						---		0.0	81.09	a	Md	3.3
BCI	0.97	277.0	Sg	22:45:22.640	0.0					---				m		9520
BCI	0.97	277.0	Pg	22:45:08.344	0.1					---				mce		9519
BCI	0.97	277.0	AMl	22:45:27.370						---		3.0	0.40	a	Ml	3.3
BCI	0.97	277.0	AMd	22:46:36.041						---		0.0	87.70	a	Md	3.4
PVY	1.09	289.0	Pg	22:45:10.296	-0.2					---				mde		9521
PVY	1.09	289.0	AMd	22:46:21.894						---		0.0	71.60	a	Md	3.2
PUK	1.12	260.0	Sg	22:45:27.382	0.0					---				m		9523
PUK	1.12	260.0	Pg	22:45:11.083	0.1					---				mce		9522
PUK	1.12	260.0	AMl	22:45:32.340						---		1.5	0.36	a	Ml	3.1
PUK	1.12	260.0	AMd	22:46:31.956						---		0.0	80.87	a	Md	3.3
BEY	1.24	300.0	Pg	22:45:13.148	-0.1					---				mce		9524
TIR	1.45	0.0	Pn	22:45:17.924	0.0					---				mde		9535
TIR	1.45	232.0	Sn	22:45:37.857	0.0					---				m		9525
TIR	1.45	232.0	AMl	22:45:44.420						---		0.3	0.54	a	Ml	2.6
KOME	1.49	294.0	Pn	22:45:17.335	-0.3					---				mce		9526
ULC	1.61	260.0	Pn	22:45:19.817	0.1					---				mce		9527
DRME	1.62	268.0	Pn	22:45:20.672	0.7					---				mde		9528
PLE	1.80	307.0	Pn	22:45:22.046	-1.1					---				mce		9529
BUM	1.84	272.0	Pn	22:45:24.218	0.5					---				mde		9530
CEME	1.84	280.0	Pn	22:45:23.190	-0.6					---				mde		9531
NKME	1.85	287.0	Pn	22:45:24.567	0.5					---				mce		9532

UPM 2.04 299.0 Pn 22:45:25.196 -1.7 _____ mce 9533
 HCY 2.15 276.0 Pn 22:45:28.196 -0.3 _____ mci 9534

DATA_TYPE COMMENT GSE2.1
 Event 578

Official Magnitude:
 Ml 3.14

Error ellipse:

	Azim	Dip	Mag
Max:	126	64	2.2100
Intermediate:	285	23	1.5200
Min:	19	8	0.8700

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556785745 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 580 9 km from Podori³nes, Ionian Islands, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/09	07:53:07.22		0.07	39.3123	20.0287				4.0	2.3	7	6	222	0.32	1.35	m	
OrigID 621																	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.7	0.0	5	621

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
IGT	0.32	46.0	Sg	07:53:19.292	-0.0					_____				m		9551
IGT	0.32	46.0	Pg	07:53:15.396	1.3					_____				mde		9550
IGT	0.32	46.0	AMl	07:53:21.978						_____		3.2	0.18	a__ Ml	2.5	5339
SRN	0.57	358.0	Sg	07:53:28.157	-0.1					_____				m		9553
SRN	0.57	358.0	Pg	07:53:19.305	0.1					_____				mce		9552
SRN	0.57	358.0	AMl	07:53:28.878						_____		1.3	0.26	a__ Ml	2.5	5340
LKD2	0.72	136.0	Sg	07:53:32.550	-0.0					_____				m		9555
LKD2	0.72	136.0	Pg	07:53:21.712	0.0					_____				mde		9554
LKD2	0.72	136.0	AMl	07:53:33.148						_____		2.8	0.30	a__ Ml	3.0	5341
LSK	0.94	27.0	Sn	07:53:39.938	-0.1					_____				m		9557
LSK	0.94	27.0	Pn	07:53:25.456	-0.5					_____				mde		9556
LSK	0.94	27.0	AMl	07:53:44.638						_____		1.6	0.56	a__ Ml	3.0	5342
NEST	1.35	0.0	Pg	07:53:32.846	0.0					_____				mc_		9559
NEST	1.35	35.0	Sg	07:53:53.888	0.1					_____				m		9558
NEST	1.35	35.0	AMl	07:53:57.618						_____		0.5	0.30	a__ Ml	2.7	5343

DATA_TYPE COMMENT GSE2.1

Event 580

Official Magnitude:

Ml 2.70

Error ellipse:

	Azim	Dip	Mag
Max:	249	71	2.3900
Intermediate:	79	18	0.6800
Min:	348	3	0.2900

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556785744 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 586 2.3 km from Mesalongos, West Macedonia, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/12	05:51:22.63		0.75	40.3507	21.2448				24.4	2.6	30	25	184	0.16	4.38	m	628

Magnitude	Err	Nsta	Author	OrigID
Ml	3.4	0.0	9	628
Md	3.5	0.0	5	628

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
NEST	0.16	294.0	Sg	05:51:31.205	0.8									m__		9656	
NEST	0.16	294.0	Pg	05:51:27.949	0.9									mdi		9655	
NEST	0.16	294.0	AMl	05:51:31.360								49.4	0.24	a__	Ml	3.7	5401
NEST	0.16	294.0	AMd	05:53:31.330								0.0	123.38	a__	Md	3.6	5396
KBN	0.44	309.0	Sg	05:51:39.115	0.8									m__		9658	
KBN	0.44	309.0	Pg	05:51:32.118	0.5									mci		9657	
KBN	0.44	309.0	AMl	05:51:42.500								13.3	0.54	a__	Ml	3.3	5402
KBN	0.44	309.0	AMd	05:53:02.185								0.0	90.07	a__	Md	3.3	5397
FNA	0.44	13.0	Sg	05:51:38.595	-0.5									m__		9660	
FNA	0.44	13.0	Pg	05:51:32.824	0.8									mci		9659	
FNA	0.44	13.0	AMl	05:51:41.360								15.5	0.32	a__	Ml	3.4	5403
FNA	0.44	13.0	AMd	05:53:16.873								0.0	104.05	a__	Md	3.5	5398
LSK	0.53	249.0	Sg	05:51:41.373	-0.3									m__		9662	
LSK	0.53	249.0	Pg	05:51:33.210	-0.3									mce		9661	
LSK	0.53	249.0	AMl	05:51:44.990								28.6	0.52	a__	Ml	3.8	5404
LSK	0.53	249.0	AMd	05:53:47.953								0.0	134.74	a__	Md	3.8	5399
SRN	1.06	245.0	Sn	05:51:59.756	0.7									m__		9664	
SRN	1.06	245.0	Pn	05:51:43.947	0.5									mci		9663	
SRN	1.06	245.0	AMl	05:52:03.880								3.3	0.60	a__	Ml	3.4	5405
IGT	1.08	221.0	Sg	05:51:58.493	-0.4									m__		9666	

IGT	1.08	221.0	Pg	05:51:43.215	-0.1	---	mde	9665
IGT	1.08	221.0	AMl	05:52:04.510		---	2.2 0.62 a__ Ml	3.2 5406
IGT	1.08	221.0	AMd	05:53:48.475		---	0.0 125.26 a__ Md	3.1 5400
VLO	1.34	276.0	P	05:51:51.045	3.8	---	m__	9667
PHP	1.46	336.0	Pn	05:51:49.774	-0.1	---	mce	9669
TIR	1.50	0.0	Pn	05:51:51.401	0.0	---	mdi	9689
TIR	1.44	315.0	Sn	05:52:13.751	3.6	---	m__	9668
TIR	1.44	315.0	AMl	05:52:19.060		---	1.0 0.62 a__ Ml	3.1 5407
LKD2	1.62	197.0	Sg	05:52:14.592	-0.9	---	m__	9671
LKD2	1.62	197.0	Pg	05:51:54.397	1.6	---	mci	9670
LKD2	1.62	197.0	AMl	05:52:20.440		---	1.9 0.70 a__ Ml	3.5 5408
PUK	1.97	330.0	Sn	05:52:23.990	-0.5	---	m__	9673
PUK	1.97	330.0	Pn	05:51:58.222	0.2	---	mce	9672
PUK	1.97	330.0	AMl	05:52:30.670		---	1.5 0.58 a__ Ml	3.7 5409
SCTE	2.14	264.0	Sn	05:52:30.886	1.8	---	m__	9675
SCTE	2.14	264.0	Pn	05:51:59.988	-0.6	---	mce	9674
BCI	2.20	337.0	Pn	05:52:00.928	-0.4	---	m_e	9676
ULC	2.21	318.0	Pn	05:52:01.570	0.1	---	mde	9677
DRME	2.40	321.0	Pn	05:52:04.195	-0.2	---	mce	9678
PVY	2.44	338.0	Pn	05:52:04.529	-0.4	---	mde	9679
BUM	2.63	319.0	Pn	05:52:07.023	-0.7	---	mce	9680
BEY	2.71	339.0	Pn	05:52:08.302	-0.7	---	mce	9681
CEME	2.80	323.0	Pn	05:52:09.630	-0.7	---	mde	9682
KOME	2.81	334.0	Pn	05:52:11.893	1.4	---	mde	9683
HCY	2.95	317.0	P	05:52:12.582	0.2	---	m__	9684
NKME	2.96	326.0	Pn	05:52:15.066	2.4	---	m_i	9685
UPM	3.34	330.0	Pn	05:52:19.619	1.4	---	mdi	9686
SGRT	4.38	291.0	Sn	05:53:18.280	-8.3	---	m__	9688
SGRT	4.38	291.0	Pn	05:52:30.390	-3.1	---	mci	9687

DATA_TYPE COMMENT GSE2.1
Event 586

Official Magnitude:
Ml 3.41

Error ellipse:

	Azim	Dip	Mag
Max:	277	71	2.7800
Intermediate:	113	18	1.9500
Min:	21	5	1.0100

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785741 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 605 0.4 km from Loutra, Epirus, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/14	16:23:43.51		0.30	40.1743	20.7312				1.8	1.3	22	14	138	0.11	2.25	m	
OrigID																	
651																	

Magnitude	Err	Nsta	Author	OrigID
Ml	3.7	0.0	10	651
Md	2.9	0.0	1	651

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
LSK	0.10	257.0	Pg	16:23:45.791	-0.1									m		10016
LSK	0.10	257.0	Sg	16:23:47.672	0.1									m		10015
LSK	0.10	257.0	AMl	16:23:48.070								1935.2	0.66	a	Ml	5604
NEST	0.34	45.0	Pg	16:23:51.076	0.0									m		10018
NEST	0.34	45.0	Sg	16:23:56.870	0.2									m		10017
NEST	0.34	45.0	AMl	16:24:00.890								27.1	0.80	a	Ml	5605
KBN	0.45	5.0	Pg	16:23:52.155	-0.5									m		10020
KBN	0.45	5.0	Sg	16:23:59.477	-0.1									m		10019
KBN	0.45	5.0	AMl	16:24:11.010								20.2	0.84	a	Ml	5606
SRN	0.63	243.0	Pg	16:23:55.471	-1.5									m		10022
SRN	0.63	243.0	Sg	16:24:05.889	-1.2									m		10021
SRN	0.63	243.0	AMl	16:24:10.270								8.1	0.84	a	Ml	5607
SRN	0.63	243.0	AMd	16:24:52.787								0.0	57.32	a	Md	5603
IGT	0.71	206.0	Pg	16:23:58.399	0.3									m		10024
IGT	0.71	206.0	Sg	16:24:09.251	0.1									m		10023
VLO	0.99	288.0	Pn	16:24:02.845	0.1									m		10026
VLO	0.99	288.0	Sn	16:24:20.218	3.1									m		10025
BPA2	1.01	304.0	Pg	16:24:03.848	-0.1									m		10028
BPA2	1.01	304.0	Sg	16:24:19.414	0.2									m		10027
TIR	1.34	0.0	Pn	16:24:10.605	0.0									m		10039
TIR	1.34	331.0	Sn	16:24:30.323	0.1									m		10029
TIR	1.34	331.0	AMl	16:24:35.730								3.8	1.04	a	Ml	5608
LKD2	1.38	183.0	Pn	16:24:11.356	0.4									m		10031
LKD2	1.38	183.0	Sn	16:24:30.999	-0.5									m		10030
LKD2	1.38	183.0	AMl	16:24:38.630								8.8	0.72	a	Ml	5609
PHP	1.52	352.0	Pn	16:24:13.286	0.2									m		10033
PHP	1.52	352.0	Sn	16:24:35.318	-0.0									m		10032
PHP	1.52	352.0	AMl	16:24:44.630								2.2	0.94	a	Ml	5610
SCTE	1.74	268.0	Pn	16:24:16.691	-0.5									m		10034
SCTE	1.74	268.0	AMl	16:24:42.620								3.2	0.62	a	Ml	5611
PUK	1.97	342.0	Pn	16:24:20.829	-0.4									m		10036
PUK	1.97	342.0	Sn	16:24:49.385	-0.1									m		10035
PUK	1.97	342.0	AMl	16:24:58.180								2.6	0.92	a	Ml	5612
ULC	2.11	329.0	Pn	16:24:22.303	-1.2									m		10037
BCI	2.25	348.0	Pn	16:24:26.129	0.8									m		10038
BCI	2.25	348.0	AMl	16:25:04.420								5.9	0.90	a	Ml	5613

DATA_TYPE COMMENT GSE2.1
Event 605

Official Magnitude:
Ml 3.73

Error ellipse:

	Azim	Dip	Mag
Max:	202	86	1.3000
Intermediate:	287	0	0.5900
Min:	17	4	0.3800

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785737 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 629 1.3 km from Loutra, Epirus, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/15	18:19:33.18		0.17	40.1807	20.7152				3.4	1.0	9	8	158	0.09	1.52	m	
OrigID 677																	

Magnitude	Err	Nsta	Author	OrigID
Ml	2.1	0.0	5	677
Md	2.5	0.0	3	677

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
LSK	0.09	252.0	Sg	18:19:36.835	-0.1									m		10386
LSK	0.09	252.0	Pg	18:19:35.372	0.1									m		10385
LSK	0.09	252.0	AMl	18:19:38.930								76.0	0.66	a	Ml	3.5
LSK	0.09	252.0	AMd	18:20:27.570								0.0	52.20	a	Md	2.8
NEST	0.35	0.0	Pg	18:19:40.775	0.0									m		10396
NEST	0.35	47.0	Sg	18:19:46.071	-0.2									m		10387
NEST	0.35	47.0	AMl	18:19:54.340								1.2	0.54	a	Ml	2.1
KBN	0.45	7.0	Sg	18:19:48.565	-0.2									m		10389
KBN	0.45	7.0	Pg	18:19:42.264	0.2									m		10388
KBN	0.45	7.0	AMl	18:19:56.460								0.7	0.54	a	Ml	2.0
KBN	0.45	7.0	AMd	18:20:17.968								0.0	35.70	a	Md	2.4
SRN	0.63	242.0	S	18:19:55.997	-0.2									m		10391
SRN	0.63	242.0	Pg	18:19:45.645	-0.7									m		10390
SRN	0.63	242.0	AMl	18:19:56.950								0.3	0.44	a	Ml	2.0
SRN	0.63	242.0	AMd	18:20:22.575								0.0	36.93	a	Md	2.5
IGT	0.71	205.0	S	18:19:58.683	0.2									m		10393
IGT	0.71	205.0	Pg	18:19:47.694	0.0									m		10392
PHP	1.52	353.0	S	18:20:24.722	0.3									m		10395
PHP	1.52	353.0	P	18:20:03.222	0.8									m		10394
PHP	1.52	353.0	AMl	18:20:34.460								0.2	0.76	a	Ml	2.5

DATA_TYPE COMMENT GSE2.1
Event 629

Official Magnitude:
M1 2.11

Error ellipse:

	Azim	Dip	Mag
Max:	286	60	1.1500
Intermediate:	132	27	0.7400
Min:	36	11	0.3200

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785736 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 632 1.3 km from Skiadás, Epirus, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/16	12:05:40.91		0.03	39.3210	20.7217				34.7	3.2	7	6	174	0.37	1.12	m	
680																	

Magnitude	Err	Nsta	Author	OrigID
M1	2.7	0.0	3	680

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
IGT	0.37	305.0	Sg	12:05:55.499	-1.4					---				m		10435	
IGT	0.37	305.0	Pg	12:05:50.033	0.0					---				mde		10434	
LKD2	0.53	186.0	Sg	12:06:01.206	-0.0					---				m		10437	
LKD2	0.53	186.0	Pg	12:05:52.569	0.1					---				mci		10436	
LKD2	0.53	186.0	AM1	12:06:04.778						---		2.1	0.34	a	M1	2.7	5805
SRN	0.79	316.0	S	12:06:09.256	0.0					---				m		10439	
SRN	0.79	316.0	P	12:05:57.071	-0.0					---				m		10438	
LSK	0.83	354.0	S	12:06:09.697	0.0					---				m		10440	
LSK	0.83	354.0	AM1	12:06:16.688						---		1.2	0.68	a	M1	2.8	5806
NEST	1.09	0.0	Pn	12:06:02.206	0.0					---				mce		10442	
NEST	1.12	12.0	Sn	12:06:18.488	-0.0					---				m		10441	
NEST	1.12	12.0	AM1	12:06:25.438						---		0.5	0.84	a	M1	2.6	5807

DATA_TYPE COMMENT GSE2.1
Event 632

Official Magnitude:
M1 2.71

Error ellipse:

	Azim	Dip	Mag
Max:	221	82	3.2400
Intermediate:	88	5	0.7900
Min:	357	6	0.3100

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785737 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 637 3.5 km from Prosalion, Epirus, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/15	11:45:04.40		0.17	40.1647	20.6860				6.6	2.0	6	6	157	0.07	0.69	m	
OrigID 685																	

Magnitude	Err	Nsta	Author	OrigID
M1	1.8	0.0	2	685

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
NEST	0.00	0.0	P	11:45:11.406	0.0									m		10498	
NEST	0.37	47.0	S	11:45:18.043	0.0									m		10493	
NEST	0.37	47.0	AM1	11:45:19.330								0.2	0.16	a	M1	1.3	5834
NEST	0.37	47.0	AM1	11:45:21.270								0.2	0.14	a	M1	1.3	5833
LSK	0.07	258.0	Sg	11:45:07.789	0.1									m		10492	
LSK	0.07	258.0	Pg	11:45:06.053	-0.2									m		10491	
LSK	0.07	258.0	AM1	11:45:09.860								3.8	0.26	a	M1	2.2	5832
LSK	0.07	258.0	AM1	11:45:10.050								3.9	0.28	a	M1	2.2	5831
SRN	0.60	242.0	Sg	11:45:26.204	0.1									m		10495	
SRN	0.60	242.0	Pg	11:45:15.166	-1.7									m		10494	
IGT	0.69	204.0	Sg	11:45:28.560	0.0									m		10497	
IGT	0.69	204.0	Pg	11:45:20.475	2.3									m		10496	

DATA_TYPE COMMENT GSE2.1
Event 637

Official Magnitude:
M1 1.75

Error ellipse:

	Azim	Dip	Mag
Max:	313	59	2.3200
Intermediate:	142	30	0.9000
Min:	50	4	0.4000

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556785736 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 647 0.5 km from Achladia, Epirus, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/18	18:54:03.91		0.11	39.5917	20.3947				35.3	1.0	8	10	134	0.42	1.56	m	

Magnitude	Err	Nsta	Author	OrigID
Ml	1.9	0.0	6	695
Md	2.8	0.0	4	695

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
IGT	0.08	220.0	Sg	18:54:10.664	-4.1											10625	
IGT	0.08	220.0	Pg	18:54:07.956	-2.1											10624	
IGT	0.08	220.0	AMl	18:54:11.418								2.1	0.14	a	Ml	2.5	5893
IGT	0.08	220.0	AMd	18:54:38.198								0.0	30.24	a	Md	1.6	5889
SRN	0.42	314.0	Sg	18:54:21.844	-0.0											10627	
SRN	0.42	314.0	Pg	18:54:14.120	-0.1											10626	
SRN	0.42	314.0	AMl	18:54:26.808								0.1	0.42	a	Ml	1.3	5894
SRN	0.42	314.0	AMd	18:55:01.340								0.0	47.22	a	Md	2.7	5890
LSK	0.58	0.0	Pg	18:54:15.881	0.0											10634	
LSK	0.58	15.0	Sg	18:54:25.406	0.1											10628	
LSK	0.58	15.0	AMl	18:54:31.398								0.3	0.52	a	Ml	1.9	5895
LKD2	0.83	165.0	Sg	18:54:32.953	0.2											10630	
LKD2	0.83	165.0	Pg	18:54:20.174	-0.2											10629	
LKD2	0.83	165.0	AMl	18:54:41.688								0.2	0.64	a	Ml	1.9	5896
LKD2	0.83	165.0	AMd	18:55:14.369								0.0	54.19	a	Md	2.9	5891
NEST	0.96	31.0	Sg	18:54:36.847	0.0											10632	
NEST	0.96	31.0	Pg	18:54:22.643	-0.1											10631	
NEST	0.96	31.0	AMl	18:54:45.048								0.1	0.50	a	Ml	1.9	5897
NEST	0.96	31.0	AMd	18:55:23.850								0.0	61.21	a	Md	3.0	5892
SCTE	1.56	289.0	Sn	18:54:53.710	0.1											10633	
SCTE	1.56	289.0	AMl	18:55:07.838								0.2	0.84	a	Ml	2.6	5898

DATA_TYPE COMMENT GSE2.1
 Event 647

Official Magnitude:
 Ml 1.94

Error ellipse:

	Azim	Dip	Mag
Max:	66	77	1.0300
Intermediate:	265	11	0.5200
Min:	174	4	0.3900

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556785734 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 655 1.0 km from BraÅtani, Danilovgrad, Montenegro

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/24	13:06:13.15		0.22	42.4917	19.1078				14.8	2.3	14	31	96	0.24	1.28	m	

Magnitude	Err	Nsta	Author	OrigID
M1	2.4	0.0	4	703

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
CEME	0.15	292.0	Pg	13:06:18.013	0.8									m		10750	
BUM	0.25	219.0	Pg	13:06:18.879	0.1									m		10751	
NKME	0.30	339.0	Pg	13:06:19.888	0.2									m		10752	
DRME	0.31	168.0	Pg	13:06:20.041	0.1									m		10753	
KOME	0.47	39.0	Pg	13:06:23.007	0.2									m		10754	
ULC	0.54	168.0	Pg	13:06:23.706	-0.5									m		10755	
BRY	0.58	315.0	Pg	13:06:24.845	-0.2									m		10756	
PVY	0.65	80.0	Pg	13:06:26.326	0.1									m		10757	
BEY	0.70	56.0	P	13:06:27.009	-0.1									m		10758	
BCI	0.72	99.0	Pg	13:06:27.179	-0.3									m		10760	
BCI	0.72	99.0	Sg	13:06:38.068	-0.2									m		10759	
BCI	0.72	99.0	AM1	13:06:40.510								1.2	0.28	a	M1	2.6	5969
BCI	0.72	99.0	AM1	13:06:40.760								1.2	0.36	a	M1	2.6	5968
UPM	0.73	0.0	Pg	13:06:27.035	0.0									m		10766	
PUK	0.73	127.0	Sg	13:06:38.980	0.3									m		10762	
PUK	0.73	127.0	Pg	13:06:27.342	-0.4									m		10761	
PUK	0.73	127.0	AM1	13:06:41.710								0.6	0.18	a	M1	2.3	5970
TIR	1.27	153.0	Pn	13:06:37.661	0.1									m		10763	
TIR	1.27	153.0	AM1	13:06:56.130								0.2	0.42	a	M1	2.4	5971
PHP	1.28	128.0	Sn	13:06:56.753	1.2									m		10765	
PHP	1.28	128.0	Pn	13:06:37.603	0.2									m		10764	
PHP	1.28	128.0	AM1	13:07:02.270								0.2	0.16	a	M1	2.3	5972

DATA_TYPE COMMENT GSE2.1
 Event 655

Official Magnitude:
 M1 2.36

Error ellipse:
 Azim Dip Mag

Max: 285 83 2.3000
 Intermediate: 41 2 0.6400
 Min: 131 6 0.5100

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556785734 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 659 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/27	17:11:30.91		0.10	39.4452	20.2775				11.0	0.9	9	31	140	0.10	2.61	m	
707																	

Magnitude	Err	Nsta	Author	OrigID
ML	2.7	0.0	6	707
Md	1.5	0.0	1	707

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID
IGT	0.10	25.0	Sg	17:11:34.855	-1.1									m		10820
IGT	0.10	25.0	Pg	17:11:33.600	-0.2									m		10819
IGT	0.10	25.0	AMl	17:11:36.100								27.5	0.22	a	Ml	3.2
IGT	0.10	25.0	AMd	17:11:59.476								0.0	25.88	a	Md	1.5
SRN	0.48	334.0	Sg	17:11:49.080	0.2									m		10822
SRN	0.48	334.0	Pg	17:11:41.159	-0.0									m		10821
SRN	0.48	334.0	AMl	17:11:55.850								0.9	0.32	a	Ml	2.2
LKD2	0.72	155.0	Sg	17:11:57.000	0.9									m		10824
LKD2	0.72	155.0	Pg	17:11:45.409	0.1									m		10823
LKD2	0.72	155.0	AMl	17:12:03.880								1.1	0.34	a	Ml	2.6
LKD2	0.72	155.0	AMl	17:12:08.540								1.0	0.56	a	Ml	2.5
LSK	0.75	19.0	Sg	17:11:56.849	0.1									m		10826
LSK	0.75	19.0	Pg	17:11:45.628	-0.1									m		10825
LSK	0.75	19.0	AMl	17:12:00.550								2.4	0.58	a	Ml	3.0
LSK	0.75	19.0	AMl	17:12:02.560								1.5	0.68	a	Ml	2.7
NEST	1.13	31.0	Sn	17:12:09.721	-0.1									m		10828
NEST	1.13	31.0	Pg	17:11:53.149	0.0									m		10827
NEST	1.13	31.0	AMl	17:12:16.220								0.7	0.70	a	Ml	2.7
SCTE	1.53	0.0	Pn	17:11:59.509	0.0									m		10831
SCTE	1.53	295.0	Sn	17:12:21.964	-0.1									m		10829
SCTE	1.53	295.0	AMl	17:12:34.370								0.4	0.50	a	Ml	2.8
PUK	2.61	354.0	Pn	17:12:16.027	-0.9									m		10830

DATA_TYPE COMMENT GSE2.1
 Event 659

Official Magnitude:

M1 2.74

Error ellipse:

	Azim	Dip	Mag
Max:	117	82	0.8800
Intermediate:	224	2	0.5000
Min:	314	8	0.4800

BEGIN GSE2.1
 MSG_TYPE DATA
 MSG_ID 1556785734 athena
 DATA_TYPE BULLETIN GSE2.1:SHORT

Event 665 Region N/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/30	01:12:28.56		0.35	39.3097	19.8938				33.1	1.4	15	31	176	0.40	3.06	m	
714																	

Magnitude	Err	Nsta	Author	OrigID
M1	3.2	0.0	7	714

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
IGT	0.40	56.0	Sg	01:12:44.713	-0.5									m		10930	
IGT	0.40	56.0	Pg	01:12:38.463	0.4									m		10929	
IGT	0.40	56.0	AM1	01:12:47.800								4.5	0.20	a	M1	2.9	6047
SRN	0.58	8.0	Sg	01:12:50.609	0.0									m		10932	
SRN	0.58	8.0	Pn	01:12:42.299	1.2									mc		10931	
SRN	0.58	8.0	AM1	01:12:52.020								1.9	0.30	a	M1	2.7	6048
LKD2	0.79	130.0	Sg	01:12:55.902	-0.3									m		10934	
LKD2	0.79	130.0	Pg	01:12:44.725	0.4									m		10933	
LKD2	0.79	130.0	AM1	01:12:56.230								5.1	0.28	a	M1	3.4	6050
LKD2	0.79	130.0	AM1	01:12:56.240								4.4	0.28	a	M1	3.3	6049
LSK	1.00	32.0	Sn	01:13:02.368	0.1									m		10936	
LSK	1.00	32.0	Pn	01:12:47.899	0.1									m		10935	
LSK	1.00	32.0	AM1	01:13:07.780								4.5	0.60	a	M1	3.5	6051
SCTE	1.34	306.0	Sn	01:13:12.162	-0.3									m		10938	
SCTE	1.34	306.0	Pn	01:12:54.183	0.5									m		10937	
SCTE	1.34	306.0	AM1	01:13:21.850								1.3	0.30	a	M1	3.2	6052
NEST	1.42	38.0	Sn	01:13:14.951	0.4									m		10940	
NEST	1.42	38.0	Pn	01:12:54.902	0.0									m		10939	
NEST	1.42	38.0	AM1	01:13:23.410								1.2	0.36	a	M1	3.2	6054
NEST	1.42	38.0	AM1	01:13:17.770								0.9	0.42	a	M1	3.1	6053
KBN	1.48	27.0	Sn	01:13:17.017	1.5									m		10942	
KBN	1.48	27.0	Pn	01:12:55.202	-0.2									m		10941	
KBN	1.48	27.0	AM1	01:13:20.810								0.5	0.40	a	M1	2.9	6055
TIR	2.04	0.0	Pn	01:13:03.796	-0.4									m		10943	

PHP	2.41	9.0	Pn	01:13:08.455	-0.9	---	m	10944
PUK	2.73	0.0	Pn	01:13:12.435	-1.8	---	m	10945
BCI	3.06	0.0	Pn	01:13:17.299	0.0	---	m	10946

DATA_TYPE COMMENT GSE2.1
Event 665

Official Magnitude:
Ml 3.19

Error ellipse:

	Azim	Dip	Mag
Max:	86	61	1.5700
Intermediate:	212	18	0.8900
Min:	310	22	0.6800

BEGIN GSE2.1
MSG_TYPE DATA
MSG_ID 1556785733 athena
DATA_TYPE BULLETIN GSE2.1:SHORT

Event 667 1.5 km from Gornji Vukovci, Podgorica, Montenegro

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/04/30	05:56:17.29		0.59	42.3477	19.1965				0.1	6.0	12	15	76	0.16	1.12	m	716

Magnitude	Err	Nsta	Author	OrigID
Ml	2.0	0.0	3	716
Md	3.1	0.0	11	716

Sta	Dist	EvAz	Phase	Time	Tres	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	
DRME	0.16	182.0	Pg	05:56:20.604	-0.6					---				m		10955	
DRME	0.16	182.0	AMd	05:57:22.258						---		0.0	61.65	a	Md	2.9	6062
BUM	0.22	258.0	Pg	05:56:22.353	-0.2					---				m		10956	
BUM	0.22	258.0	AMd	05:57:30.836						---		0.0	68.48	a	Md	3.0	6063
CEME	0.29	315.0	Pg	05:56:24.017	0.2					---				m		10957	
CEME	0.29	315.0	AMd	05:57:38.754						---		0.0	74.74	a	Md	3.1	6064
ULC	0.39	174.0	Pg	05:56:22.438	-3.5					---				m		10958	
ULC	0.39	174.0	AMd	05:57:14.780						---		0.0	52.34	a	Md	2.8	6065
NKME	0.45	338.0	Pg	05:56:27.601	0.4					---				m		10959	
NKME	0.45	338.0	AMd	05:57:41.173						---		0.0	73.57	a	Md	3.1	6066
HCY	0.53	282.0	Pg	05:56:28.667	-0.1					---				m		10960	
HCY	0.53	282.0	AMd	05:57:47.111						---		0.0	78.44	a	Md	3.2	6067
KOME	0.55	24.0	Pg	05:56:29.350	0.2					---				m		10961	
KOME	0.55	24.0	AMd	05:57:49.531						---		0.0	80.18	a	Md	3.2	6068
PUK	0.60	120.0	Sg	05:56:40.059	0.7					---				m		10963	

PUK	0.60	120.0	Pg	05:56:26.590	-3.3	---		m				10962
PUK	0.60	120.0	AM1	05:56:47.830		---	0.3	0.14	a	M1	1.9	6073
PUK	0.60	120.0	AMd	05:57:41.613		---	0.0	75.02	a	Md	3.2	6069
PVY	0.63	66.0	Pg	05:56:28.966	-1.5	---			m			10964
PVY	0.63	66.0	AMd	05:57:38.754		---	0.0	69.79	a	Md	3.1	6070
BCI	0.66	0.0	Pg	05:56:23.534	0.0	---			m			10969
BCI	0.65	88.0	Sg	05:56:41.936	1.1	---			m			10965
BCI	0.65	88.0	AM1	05:56:52.570		---	0.6	0.40	a	M1	2.3	6074
BRY	0.73	319.0	Pg	05:56:32.721	0.2	---			m			10966
BRY	0.73	319.0	AMd	05:57:51.070		---	0.0	78.35	a	Md	3.2	6071
BEY	0.74	44.0	Pg	05:56:31.611	-1.0	---			m			10967
BEY	0.74	44.0	AMd	05:57:35.675		---	0.0	64.06	a	Md	3.0	6072
TIR	1.12	153.0	Sg	05:56:57.295	0.5	---			m			10968
TIR	1.12	153.0	AM1	05:57:04.460		---	0.1	0.34	a	M1	2.0	6075

DATA_TYPE COMMENT GSE2.1
Event 667

Official Magnitude:
M1 1.96

Error ellipse:

	Azim	Dip	Mag
Max:	288	75	6.2300
Intermediate:	35	4	1.4000
Min:	126	14	0.9400

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

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2019-04-10			1516	08.40								LSK
GAP=					hor.err=		ver.err=					
STAT	SP	IPHASW	D	HRMM	SECON			AZIMU	RES	DIS	DUR	Md
LSK	SZ	IPG		1516	08.40							
LSK	SE	ISG		1516	10.20							

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2019-04-10			1707	54.01								LSK
GAP=					hor.err=		ver.err=					
STAT	SP	IPHASW	D	HRMM	SECON			AZIMU	RES	DIS	DUR	Md
LSK	SZ	IPG		1707	54.01							
LSK	SE	ISG		1707	55.70							

Y	M	D	HM	Sec	Lat	Long	Dep	Net	Nr	Rms	Mag	Epicenter
2019-04-14			0549	35.19								LSK
GAP=					hor.err=		ver.err=					
STAT	SP	IPHASW	D	HRMM	SECON			AZIMU	RES	DIS	DUR	Md
LSK	SZ	IPG		1707	54.01							
LSK	SE	ISG		1707	55.70							

Katalogu i termeteve

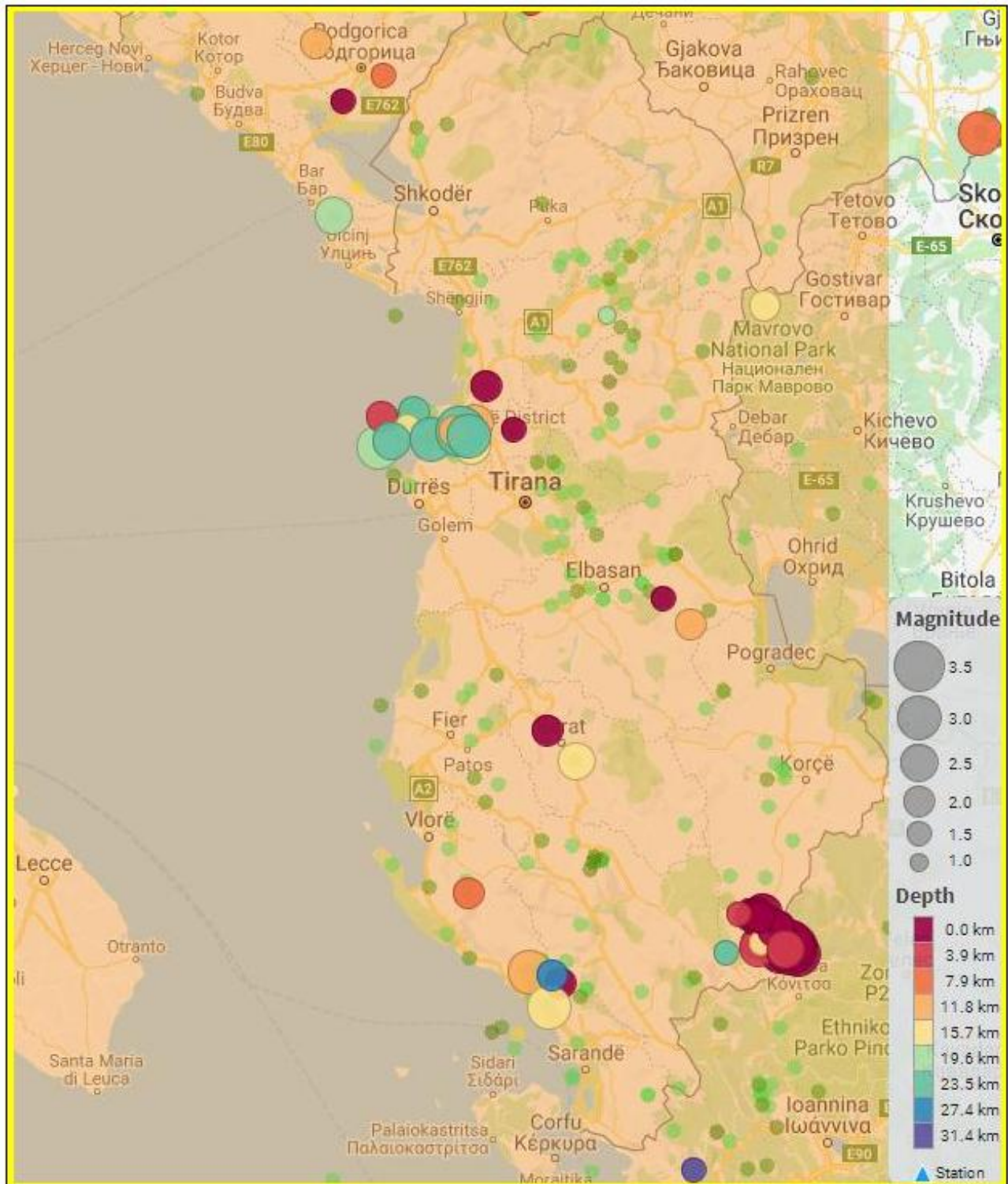
Data	Origin Time	Rms	Latitude	Longitude	Mag	depth (km)	Depth error	No. Stations	Num. Phases	Azimuth Gap
2019-04-01	11:57:28Z	0.59	41.468	19.320	3.2	21	2.4	28	32	50
2019-04-02	12:50:33Z	0.16	41.622	19.687	2	3	3.2	16	14	161
2019-04-02	19:32:57Z	0.19	41.514	19.779	1.5	5	2.2	13	11	161
2019-04-02	23:47:34Z	0.27	41.545	19.330	2.3	6	2.7	11	11	188
2019-04-03	09:35:00Z	0.49	40.112	19.834	3.1	13	1.4	16	24	116
2019-04-04	05:33:00Z	0.17	41.473	19.638	2.5	19	0.9	20	13	204
2019-04-04	16:28:03Z	0.09	40.082	19.938	2.1	2	1	12	14	105
2019-04-04	18:15:46Z	0.03	41.558	19.439	2.1	24	1.1	22	18	75
2019-04-05	05:54:31Z	0.27	40.018	19.903	3.2	20	0.8	11	16	120
2019-04-05	20:21:55Z	0.11	42.593	19.839	1.8	6	1.1	31	10	79
2019-04-06	01:22:25Z	0.21	40.316	19.628	2.2	9	2.2	31	11	181
2019-04-07	11:15:57Z	0.29	40.741	19.895	2.1	3	1.3	31	22	90
2019-04-08	02:37:24Z	0.31	41.519	19.420	1.7	17	1.6	31	19	117
2019-04-08	04:17:28Z	0.39	41.013	20.384	2.3	12	2	31	21	116
2019-04-08	22:44:49Z	0.26	42.266	21.374	3.1	11	2	15	16	291
2019-04-09	07:53:07Z	0.07	39.312	20.029	2.7	4	2.3	6	7	222
2019-04-10	13:49:24Z	0.23	40.203	20.682	2.7	4	1.2	31	16	129

2019-04-11 14:19:03Z	0.41	41.485	19.362	2.7	24	2.5	27	28	78
2019-04-12 00:44:59Z	0.11	40.164	20.506	1.8	26	1.3	31	13	116
2019-04-12 05:51:22Z	0.75	40.351	21.245	3.4	24	2.6	25	30	184
2019-04-12 18:04:50Z	0.03	39.047	20.370	1.9	20	1.4	10	6	204
2019-04-13 14:22:09Z	0.07	42.056	19.166	2.8	22	1.1	22	16	113
2019-04-13 17:48:42Z	0.03	41.830	20.636	2.4	16	0.7	22	19	194
2019-04-14 09:46:33Z	0.25	40.167	20.695	3.1	4	1.2	11	14	135
2019-04-14 10:18:08Z	0.38	40.194	20.663	2.6	1	0.8	30	15	128
2019-04-14 10:48:27Z	0.03	40.231	20.677	1.9	7	12.7	7	4	215
2019-04-14 10:52:22Z	0.03	40.270	20.614	1.5	1	0.9	30	6	195
2019-04-14 11:34:28Z	0.2	40.223	20.659	1.3	4	1.1	4	6	180
2019-04-14 11:45:52Z	0.07	40.269	20.632	2.9	1	0.9	30	6	193
2019-04-14 12:03:21Z	0.45	40.185	20.683	2.6	4	1.7	10	13	153
2019-04-14 13:51:46Z	0.38	40.180	20.715	3.5	1	1.2	30	21	135
2019-04-14 14:12:46Z	0.21	40.191	20.707	3.1	1	0.6	30	20	133
2019-04-14 14:15:34Z	0.28	40.187	20.611	2.4	4	0.6	10	14	161
2019-04-14 14:38:41Z	0.49	40.212	20.653	2.1	3	2.2	30	13	123
2019-04-14 15:15:44Z	0.08	40.237	20.638	1.6	3	0.9	6	6	185
2019-04-14 16:13:26Z	0.11	40.161	20.708	1.8	8	1.3	9	7	160

2019-04-14 16:23:43Z	0.3	40.174	20.731	3.7	2	1.3	14	22	138
2019-04-14 16:27:03Z	0.34	40.245	20.649	2	2	1.8	30	12	119
2019-04-14 16:44:21Z	0.04	40.280	20.582	1.3	1	0.9	8	7	200
2019-04-14 19:11:54Z	0.37	40.169	20.692	2.6	4	1.2	9	15	135
2019-04-14 20:43:49Z	0.32	40.256	20.579	2	2	1.5	30	13	118
2019-04-14 20:46:39Z	0.25	40.200	20.670	2.7	5	0.7	30	15	128
2019-04-14 20:51:24Z	0.44	40.222	20.619	1.8	4	1.7	30	9	161
2019-04-14 22:19:12Z	0.11	40.265	20.588	1.6	4	0.8	30	7	196
2019-04-14 22:28:11Z	0.18	40.249	20.622	1.1	4	1.2	8	8	145
2019-04-14 22:31:27Z	0.36	40.221	20.639	1.4	6	1.1	10	8	142
2019-04-14 22:56:58Z	0.29	40.214	20.649	1.6	5	1	30	10	137
2019-04-15 00:10:50Z	0.24	40.200	20.679	1.3	4	0.9	10	8	151
2019-04-15 00:12:55Z	0.31	40.217	20.693	1.8	1	2.1	30	11	129
2019-04-15 02:05:53Z	0.37	40.157	20.755	3.5	2	1.2	30	24	111
2019-04-15 02:09:19Z	0.27	40.169	20.724	3.6	2	1	30	21	109
2019-04-15 02:23:31Z	0.24	40.178	20.692	2.2	3	0.8	30	16	134
2019-04-15 03:23:09Z	0.13	42.413	19.337	1.8	10	1.7	30	15	82
2019-04-15 03:51:03Z	0.49	40.173	20.616	2.8	5	0.9	30	14	162
2019-04-15 05:26:34Z	0.26	40.181	20.719	3.5	0	0.9	30	19	135

2019-04-15 05:33:18Z	0.04	40.205	20.662	1.6	11	0.6	30	5	176
2019-04-15 05:56:41Z	0.06	40.203	20.691	2.1	0	0.7	4	6	151
2019-04-15 07:03:28Z	0.62	40.218	20.690	1.4	0	18.5	4	5	188
2019-04-15 07:10:18Z	0.54	40.237	20.695	1.6	0	17	3	5	195
2019-04-15 09:06:41Z	0.09	40.241	20.602	1.5	1	1.1	6	8	120
2019-04-15 10:26:37Z	0.09	40.189	20.628	1.7	16	0.7	4	5	165
2019-04-15 11:45:04Z	0.17	40.165	20.686	1.8	7	2	6	6	157
2019-04-15 12:06:08Z	0.1	40.262	20.600	1.6	2	1.5	6	7	194
2019-04-15 14:49:12Z	0.22	40.275	20.617	1.6	3	1.1	27	8	195
2019-04-15 15:40:13Z	0.26	40.258	20.605	2.1	2	1.9	28	9	148
2019-04-15 17:52:44Z	0.36	40.224	20.675	2.6	0	1.2	30	12	125
2019-04-15 18:19:33Z	0.17	40.181	20.715	2.1	3	1	8	9	158
2019-04-15 21:08:36Z	0.26	40.169	20.710	2.7	5	0.7	12	14	159
2019-04-15 23:22:16Z	0.27	41.079	20.294	2	0	1.4	13	18	128
2019-04-16 12:05:40Z	0.03	39.321	20.722	2.7	35	3.2	6	7	174
2019-04-16 20:21:15Z	0.09	40.255	20.623	2.4	2	0.9	8	12	115
2019-04-17 18:41:24Z	0.01	40.262	20.551	1.9	5	1.2	31	4	233
2019-04-18 18:54:03Z	0.11	39.592	20.395	1.9	35	1	10	8	134
2019-04-22 14:07:28Z	0.21	41.489	19.500	3.2	26	1.2	21	23	113

2019-04-23 06:43:52Z	0.23	41.530	19.652	2.6	16	2.3	16	13	179
2019-04-23 08:58:14Z	0.33	41.508	19.602	3.8	25	1.8	17	16	134
2019-04-23 11:37:06Z	0.13	41.507	19.575	2.4	12	1.3	31	9	207
2019-04-23 16:46:37Z	0.09	41.498	19.624	3.3	25	0.9	18	16	144
2019-04-24 13:06:13Z	0.22	42.492	19.108	2.4	15	2.3	31	14	96
2019-04-27 17:11:30Z	0.1	39.445	20.278	2.7	11	0.9	31	9	140
2019-04-28 20:20:42Z	0.18	40.662	19.995	3	17	0.9	31	22	75
2019-04-28 20:42:06Z	0.26	40.105	19.914	2.2	29	0.9	31	16	114
2019-04-30 01:12:28Z	0.35	39.310	19.894	3.2	33	1.4	31	15	176
2019-04-30 05:56:17Z	0.59	42.348	19.197	2	0	6	15	12	76
2019-04-30 14:52:59Z	0.03	41.805	20.099	1.5	20	0.7	31	8	147



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

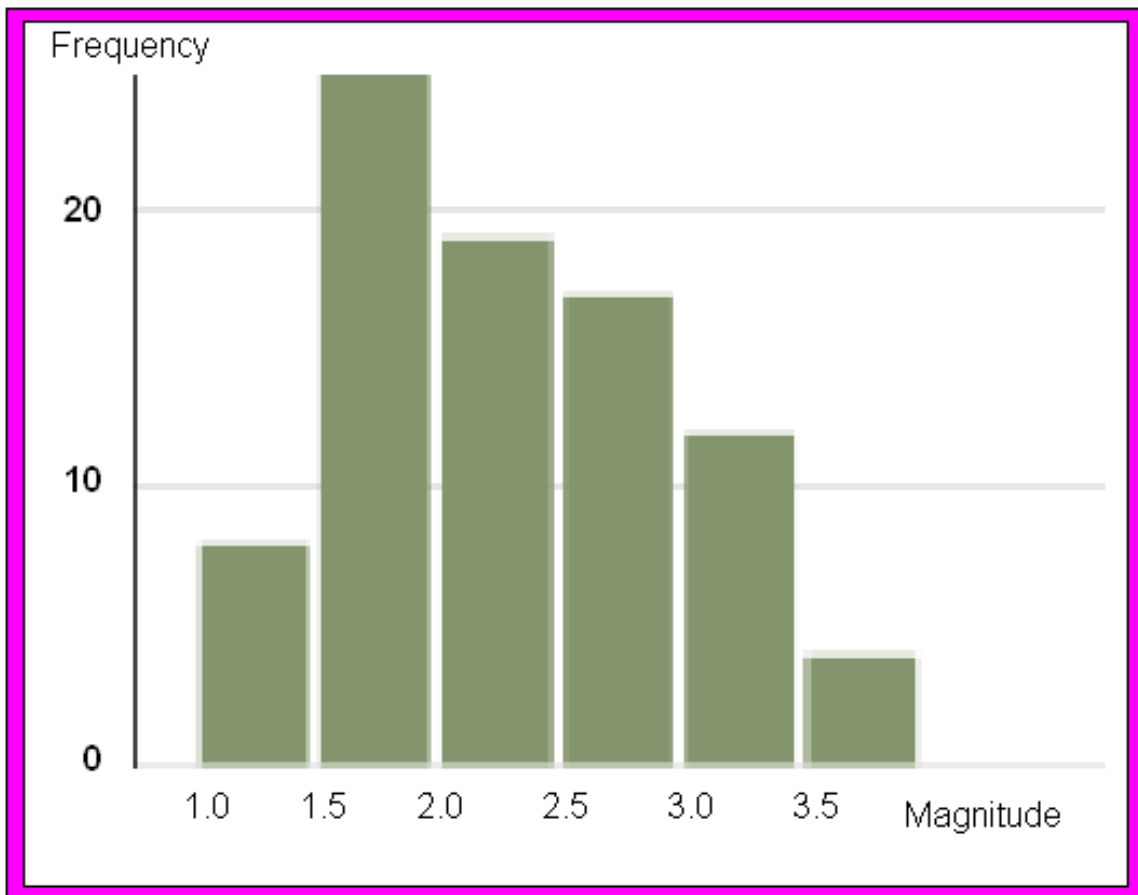
1. Statistika e ngjarjeve (Events Statistics)

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

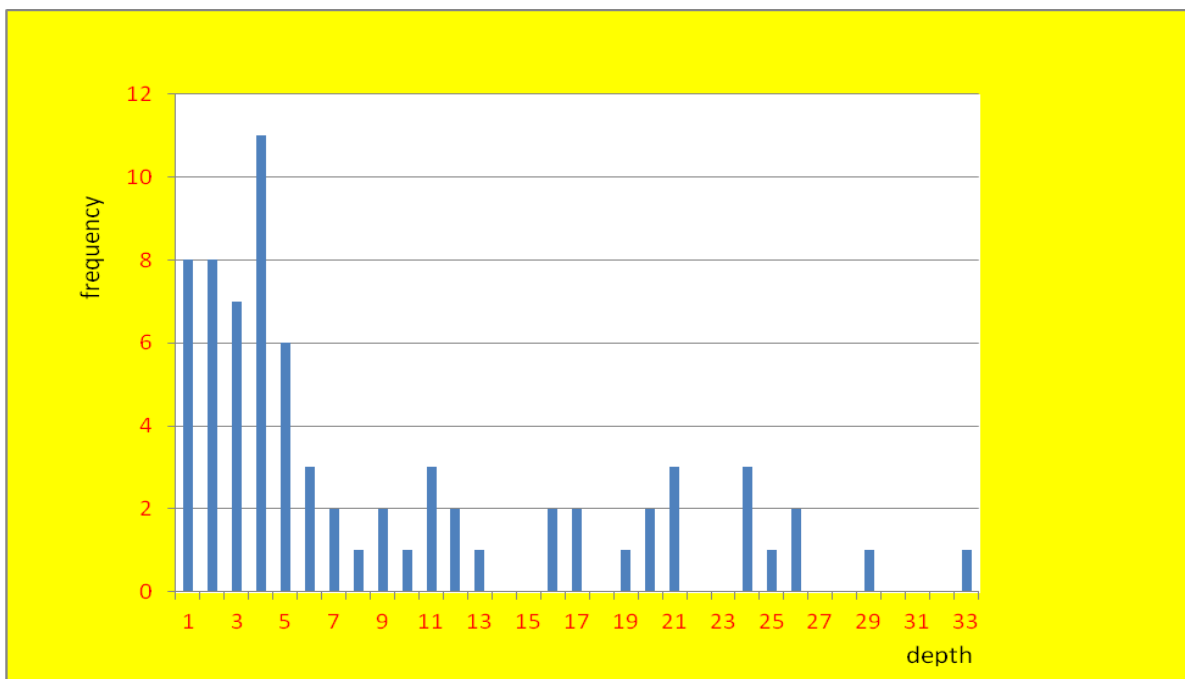
Të dhënat përfaqësuese	Representative Parameters	Vlerat (observed values)
Numuri i përgjithshëm i ngjarjeve të regjistruara (kuadrati 39 ^o -43 ^o V; 18.5 ^o -21.5 ^o L)	[total recorded number of seismic events]	85
Numuri i ngjarjeve sizmike brenda kufirit shtetëror	[earthquakes occurred within state border]	71
Thellësia mesatare e vrojtuar (km)	[mean observed depth]	9
Thellësia maksimale e vrojtuar (km)	[maximum observed depth]	35
Magnituda lokale minimale e vrojtuar (M_{Ld})	[minimum observed local magnitude]	1.0
Magnituda lokale maksimale e vrojtuar (M_{Ld})	[maximum observed local magnitude]	3.8
Intensiteti maksimal i vrojtuar (MSK-64)	[maximum observed intensity]	IV-V

2. Karakteristikat kryesore të sizmicitetit për muajin

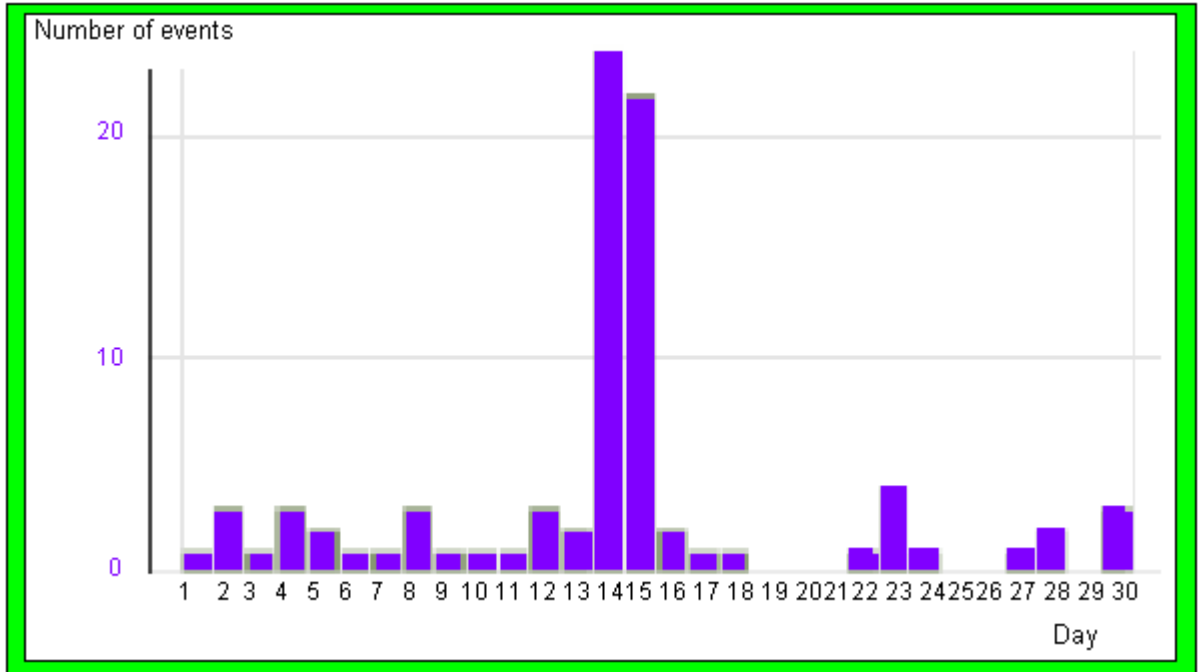
Sizmiciteti i muajit Prill 2019 është percaktuar si aktivitet sizmik në dy zona aktive të vendit në zonën Durrësit dhe në zonën e Leskovikut. Në Durrës kemi regjistrimin e ngjarjes së datës 23 Prill 2019, ora 08:58:14 (UTM), me $M_L = 3.8$ (Rihter). Në këtë zonë kemi një grumbull termetesh nga të cilat janë lokalizuar 13 ngjarje me magnitudo që variojnë nga 1.5 - 3.8 Rihter. Thellessia mesatare është 17 km dhe thellessia max 26 km. Epiqendrat shpërndahen kryesisht në det me shtrirje P- L. Një aktivitet i dallueshëm gjatë këtij muaji është grumbulli i termeteve nga të cilat janë lokalizuar 28 ngjarje me magnitudo që variojnë nga 1.1 - 3.7 Rihter. Thellessia mesatare është 4 km dhe thellessia max 26 km. Epiqendrat shpërndahen kryesisht në det me shtrirje VP- JL.



Grafiku i numurit te ngjarjeve per nivelin e magnitudave



Grafiku i frekuences se termeteve ne lidhje me thellesin.



Grafiku ishperndarjes se numurit te ngjarjeve per dite

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

Ngjarja 1:

Datë 24.04.2019, në orën 08:58:14.06(UTC); (10:58: 14.06 ora lokale); termeti i lokalizuar 41.51V; 19.60L, ne Hamallaj 21km ne VL te qytetit te Durresit; Intensiteti i tërmetit në epiqendër $I_0 = IV-V$ ballë (EMS-98); Ndjerë: III-IV ballë në qytetet e Durresit, Vores, Fushkrujes dhe Mamurras; III ballë ne qytetet e Tiranes, Krujes Laci dhe Kavajes; II-III ballë ne Lezhe, Klos dhe Rogozhin,

(Event 1):

(Intensity $I_0 = IV-V$ degree EMS-98, felt III-IV degree at Durresi, Vora, Fushkruje and Mamurras towns; III at Tirana, Kruja Laci and Kavaja; II-III at Lezha, Klosi and Rogozhina, towns).

REFERENCA (References)

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