

Republic of Lebanon
National Council for Scientific Research

Provisional Seismological Bulletin

from the

NATIONAL SEISMIC NETWORK

August

2014

Prepared by
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GENERAL BULLETIN INFORMATION

The National Centre for Geophysical Research is a governmental agency established 1975 in Lebanon by the National Council for Scientific Research (CNRS). The mission of the Centre, among other assignments, is the monitoring of seismic activity within the national territory. Currently, the national seismic network is under deployment; it has been officially registered as GRAL, an acronym for Geophysical Research Arrays of Lebanon. Station coordinates and status are given below.

Since 1993, the Centre has been participating in a regional initiative by the UNESCO and the USGS known as RELEMR, i.e. Reducing Earthquake Losses in the Eastern Mediterranean Region.

Within this framework, the Centre routinely contributes to the database set up for this purpose and maintained by the Euro-Mediterranean Seismological Centre (EMSC). For coherence, the Centre has adopted the recommended seismic analysis system SEISAN developed by Jens Havskov and Lars Ottemoller from the University of Bergen, Norway.

The localization program currently used for locating earthquakes is Hypocenter (Lienert et al., 1986). Plane parallel layers are assumed for local and regional events, while the IASPEI travel time tables are used for distant events.

The velocity model used for all local and regional events is the one currently adopted by the RELEMR initiative.

P-wave velocity (km/sec)	depth to top of layer (km)
6.2	0.0
6.8	14.0
8.05	34.0
8.25	50.0
8.5	80.0

Magnitudes are calculated from the coda duration. The coda wave magnitude is estimated via the formula:

$$M_c = 0.08 + 1.63 * \log_{10}(T) + 0.0009 * D.$$

where T is the coda duration (sec) and D is the epicentral distance (km). The coefficients above were adopted at the outset of our Centre in 1980 and thus are still in use for the sake of continuity.

All available coda values are used for magnitude calculations. No station corrections are used for either travel times or magnitudes calculations. The V_p/V_s velocity ratio used in both layered models above is 1.74.

As a general policy, neither depths, nor epicenters, are fixed unless stated otherwise since this might restrict later use of the data. Consequently, some event locations might be unrealistic such as zero depth earthquakes or teleseismic locations off by 1000 km. However, the locations are based on the available data and reflect the localization procedure and the models used.

STATIONS USED

The stations listed below are operated by the National Centre for Geophysical Research. They constitute the basic setup of the National Seismic Network of Lebanon.

However, readings from other cooperating agencies are also used in locating the events and thus more stations may appear in the event lists than in the station list; it is worth mentioning the systematic use of arrival times from the Cypriot seismic network CSS in order to constrain events corresponding to an active zone off the Lebanese shorelines.

STATION	LATITUDE	LONGITUDE	HEIGHT (m)	NAME	COMMENTS
BHL	3354.25N	3539.25E	1000	BHANNES	Opened May 1980
HWQ	3416.68N	3556.78E	1161	HAWQA	Opened Jan 2001
MATL	3329.32N	3519.78E	5	MATARIH	Nov2000-Sep2012
FKH	3414.69N	3624.61E	1152	FAKEHEH	Opened Dec 2004
RCY	3329.79N	3550.14E	1370	RACHAYA	Opened Jun 2006
BEYL	3352.30N	3529.59E	49	BEIRUT	Opened Jul 2006
NAQL	3307.02N	3508.46E	83	NAQOURA	Jul2008-Jan2012
DQRL	3342.34N	3534.21E	963	DEIR QAMAR	Opened Mar 2010
QRWL	3332.86N	3540.93E	875	QARAOUN	Opened Oct 2011
SHBL	3320.90N	3544.63E	1422	CHEBAA	Opened Oct 2011

REGIONAL AND DISTANT EARTHQUAKES

Because regional events and teleseisms are not localized, but simply identified, EMSC determination data are given along with phase arrivals (in general first arrival) at the stations of our network.

MACROSEISMIC DATA

Macroseismic data, if available, are included in the bulletin.

MONTHLY EPICENTER MAPS

Maps will be found on the last page.

ELECTRONIC PUBLICATION

This provisional bulletin is available for download in pdf format on:
<http://www.cnrs.edu.lb/grdownload.html>

REFERENCES

- Havskov, J. and Ottemoller, L.(2001). SEISAN: The Earthquake Analysis Software. -version 7.2-
Institute of Solid Earth Physics, University of Bergen.
<http://www.ifjf.uib.no/seismo/software/seisan.html>
- Lienert, B.R., Berg, E. and Frazer, L.N.(1986). Hypocenter: An earthquake location method using centered, scaled, and adaptively least squares. Bull. Seism. Soc. Am., 76., pp 771-783.

Abbreviations:

TIME: Origin time in UTC (hr. min. and sec.) or data file onset time if event is not located.

LAT: Latitude of epicenter

LON: Longitude of epicenter

DEPTH: Focal depth in kilometer (trailing F indicates fixed depth)

AGENCY: REL throughout the bulletin, aka. REsearch Lebanon

MAGNITUDES: Up to 3 different magnitudes can be given followed by type and reporting agency, e.g. 3.1 MC REL - coda magnitude calculated according to above mentioned formula.

EMSC: Euro-Mediterranean Seismological Centre.

OT: Origin Time

RMS: Root mean square value of travel time residuals

STAT: Station code

CO: Component; S:short period, L:long period, B:broadband.

DIST: Epicenter distance (km)

AZI: Azimuth from source to station

PHAS: Phase; The first letter characterizes onset E(mergent) or I(mpulsive)

P: Polarity (C for compression, D for dilatation)

HR: Hour

MN: Minute

SECON: Seconds

TRES: Residual (seconds)

CODA: Signal duration in seconds

AMPL: Ground Amplitude ($0.5 * (\text{peak to peak})$), (nm) at period PERI

PERI: Period where amplitude is measured

BAZ: Back azimuth (station to event)

ARES: Back azimuth residual

VELO: Apparent phase velocity (km/sec)

WT: Weight of phase in the location

*: An asterisk before the phase arrival time implies a potential timing error. If an S phase is read, differential S-P times will be used in the hypocenter location.

August 1 2014 Hour: 4:11 17.6 Agency: REL Distant
EMSC OT=04:11:17.6 36.93N 3.18E 10Km M=5.5 NORTHERN ALGERIA
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 BHL BZ EP 416 55.25
 DQRL SZ EP 416 56.68
 HWQ SZ EP 416 57.01
 SHBL BZ EP 416 58.06

August 1 2014 Hour: 15:50 30.3 Lat: 33.79N Lon: 35.76E Depth: 0 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.0 secs
BEIRUT REGION
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 BHL BZ 16 321 EP 1550 32.88-0.04 35 1.0
 DQRL SZ 20 243 EP 1550 33.57 0.00 1.0
 DQRL SE 20 243 ES 1550 36.02 0.02 1.0
 SHBL BZ 49 182 EP 1550 38.18-0.01 1.0
 SHBL BE 49 182 ES 1550 44.03-0.01 1.0
 HWQ SZ 57 17 EP 1550 39.45 0.03 1.0

August 2 2014 Hour: 3:45 45.7 Lat: 33.55N Lon: 35.40E Depth: 15 Agency: REL Local
Magnitudes: 3.1MC REL Rms: 0.1 secs
SAIDA REGION
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 DQRL SZ 23 41 EP 345 50.28 0.01 66 1.0
 QRWL SZ 26 90 EP 345 50.61 0.01 1.0
 QRWL SN 26 90 ES 345 54.25 0.02 1.0
 SHBL BZ 39 125 EP 345 52.39-0.04 1.0
 BHL BZ 46 30 EP 345 53.37-0.06 1.0
 BHL BN 46 30 ES 345 59.12-0.04 1.0
 HWQ SZ 95 32 EP 346 0.80 0.10 1.0

August 2 2014 Hour: 15:40 10.7 Lat: 33.54N Lon: 35.71E Depth: 0 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.1 secs
CENTRAL BEKAA
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 QRWL SZ 3 297 EP 1540 11.11-0.07 34 1.0
 RCY SZ 13 111 EP 1540 12.78-0.04 1.0
 RCY SN 13 111 ES 1540 14.38 0.02 1.0
 SHBL BZ 21 171 EP 1540 14.15-0.03 1.0
 SHBL BN 21 171 ES 1540 16.76 0.04 1.0
 DQRL SZ 23 326 EP 1540 14.46 0.08 1.0

August 3 2014 Hour: 16:41 45.4 Lat: 33.79N Lon: 35.79E Depth: 4 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.0 secs
BEIRUT REGION
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 BHL BZ 18 317 EP 1641 48.36-0.05 42 1.0
 DQRL SZ 22 246 EP 1641 49.06 0.01 1.0
 DQRL SN 22 246 ES 1641 51.79 0.03 1.0
 QRWL SZ 28 200 EP 1641 49.94-0.10 1.0
 BEYL SZ 29 289 EP 1641 50.12 0.02 1.0
 RCY SZ 33 172 EP 1641 50.79 0.06 1.0
 RCY SN 33 172 ES 1641 54.67 0.00 1.0
 HWQ SZ 56 15 EP 1641 54.56 0.02 1.0

August 5 2014 Hour: 3:43 8.1 Lat: 34.38N Lon: 36.23E Depth: 32 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.0 secs
NORTH LEBANON
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 BHL BZ 75 226 EP 343 20.56 0.00 35 1.0
 DQRL SZ 96 220 EP 343 23.26-0.02 1.0
 DQRL SE 96 220 ES 343 34.55 0.01 1.0
 RCY SZ 104 201 EP 343 24.32 0.02 1.0

RCY	SE	104	201	ES		343	36.31	-0.01									1.0
QRWL	SZ	105	209	EP		343	24.35	-0.00									1.0

August 5 2014 Hour: 15: 0 59.8 Lat: 34.07N Lon: 36.05E Depth: 57 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.1 secs

HERMEL BAALBEK REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	25	338	EP		15	1	8.81	-0.01	34					1.0
HWQ	SE	25	338	ES		15	1	15.52	0.03						1.0
BHL	BZ	41	243	EP		15	1	9.73	-0.13						1.0
DQRL	SZ	60	228	EP		15	1	11.69	0.14						1.0
DQRL	SE	60	228	ES		15	1	20.24	-0.01						1.0
RCY	SZ	67	197	EP		15	1	12.26	-0.02						1.0

August 5 2014 Hour: 15: 1 50.3 Lat: 33.81N Lon: 35.78E Depth: 15 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.0 secs

BEIRUT REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	15	312	EP		15	1	53.89	-0.01	33					1.0
BHL	BE	15	312	ES		15	1	56.54	0.00						1.0
DQRL	SZ	23	238	EP		15	1	54.79	-0.00						1.0
RCY	SZ	36	171	EP		15	1	56.64	0.02						1.0
RCY	SE	36	171	ES		15	2	1.27	-0.01						1.0
HWQ	SZ	54	17	EP		15	1	59.26	-0.00						1.0

August 5 2014 Hour: 15:36 25.1 Lat: 33.47N Lon: 35.69E Depth: 0 Agency: REL Local
Magnitudes: 2.4MC REL Rms: 0.0 secs

CENTRAL BEKAA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	9	356	EP		1536	26.52	-0.02	26						1.0
RCY	SZ	14	77	EP		1536	27.41	0.01							1.0
SHBL	BZ	14	159	EP		1536	27.47	0.02							1.0
SHBL	BN	14	159	ES		1536	29.16	-0.02							1.0
DQRL	SZ	28	337	EP		1536	29.73	0.02							1.0
DQRL	SN	28	337	ES		1536	33.11	-0.00							1.0

August 5 2014 Hour: 15:50 56.9 Lat: 33.79N Lon: 35.74E Depth: 5 Agency: REL Local
Magnitudes: 2.4MC REL Rms: 0.0 secs

BEIRUT REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	16	328	EP		1550	59.61	0.01	25						1.0
BHL	BN	16	328	ES		1551	1.59	-0.01							1.0
DQRL	SZ	18	241	EP		1551	0.03	-0.00							1.0
DQRL	SN	18	241	ES		1551	2.34	-0.01							1.0
RCY	SZ	33	165	EP		1551	2.37	0.00							1.0
HWQ	SZ	58	19	EP		1551	6.26	0.00							1.0

August 5 2014 Hour: 23:26 48.7 Lat: 33.46N Lon: 35.92E Depth: 0 Agency: REL Local
Magnitudes: 2.5MC REL Rms: 0.0 secs

MOUNT HERMON REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	9	296	EP		2326	50.14	-0.03	30						1.0
RCY	SN	9	296	ES		2326	51.31	0.02							1.0
QRWL	SZ	25	293	EP		2326	52.67	0.04							1.0
QRWL	SN	25	293	ES		2326	55.55	-0.02							1.0
DQRL	SZ	43	310	EP		2326	55.50	-0.06							0.2
BHL	BZ	55	333	EP		2326	57.61	0.03							0.2

August 6 2014 Hour: 4:43 4.6 Lat: 33.55N Lon: 35.47E Depth: 19 Agency: REL Local
Magnitudes: 2.5MC REL Rms: 0.0 secs

SAIDA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ	19	28	EP		443	9.00	0.05							1.0
DQRL	SN	19	28	ES		443	12.19	0.01							1.0
QRWL	SZ	20	92	EP		443	8.91	-0.08	30						1.0
QRWL	SN	20	92	ES		443	12.24	-0.01							1.0
SHBL	BZ	34	132	EP		443	10.87	0.02							1.0
RCY	SZ	34	101	EP		443	10.91	0.02							1.0
RCY	SN	34	101	ES		443	15.56	0.01							1.0
BHL	BZ	42	23	EP		443	11.92	-0.02							1.0

August 6 2014 Hour: 15:10 30.8 Lat: 33.54N Lon: 35.71E Depth: 0 Agency: REL Local
Magnitudes: 2.5MC REL Rms: 0.0 secs

CENTRAL BEKAA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	3	286	EP		1510	31.20	-0.07	30						1.0
RCY	SZ	13	113	EP		1510	32.77	-0.06							1.0
RCY	SN	13	113	ES		1510	34.35	0.01							1.0
SHBL	BZ	22	172	EP		1510	34.32	0.05							1.0
DQRL	SZ	23	324	EP		1510	34.49	0.07							1.0
DQRL	SN	23	324	ES		1510	37.11	-0.00							1.0

August 6 2014 Hour: 18:12 53.6 Lat: 33.78N Lon: 35.83E Depth: 15 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.1 secs

CENTRAL BEKAA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	21	309	EP		1812	57.74	-0.06							1.0
DQRL	SZ	26	250	EP		1812	58.46	0.05	37						1.0
DQRL	SN	26	250	ES		1813	2.00	0.02							1.0
QRWL	SZ	30	207	EP		1812	58.92	-0.05							1.0
RCY	SZ	32	179	EP		1812	59.28	-0.07							1.0
RCY	SN	32	179	ES		1813	3.68	0.06							1.0
HWQ	SZ	56	11	EP		1813	2.83	0.05							1.0

August 7 2014 Hour: 2: 3 43.0 Lat: 34.15N Lon: 35.75E Depth: 25 Agency: REL Local
Magnitudes: 3.3MC REL Rms: 0.0 secs

KESROUANE

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	23	52	EP		2 3	48.41	0.01							1.0
HWQ	SN	23	52	ES		2 3	52.42	0.00							1.0
BHL	BZ	29	198	EP		2 3	49.05	-0.05	95						1.0
BHL	BN	29	198	ES		2 3	53.63	0.00							1.0
BEYL	SZ	40	218	EP		2 3	50.27	0.01							1.0
DQRL	SZ	53	199	EP		2 3	52.10	0.03							1.0
DQRL	SE	53	199	ES		2 3	58.81	0.01							1.0
QRWL	SZ	68	186	EP		2 3	54.13	-0.02							1.0
RCY	SZ	73	174	EP		2 3	55.05	0.05							1.0
RCY	SN	73	174	ES		2 4	3.90	-0.00							1.0
SHBL	BZ	89	181	EP		2 3	57.27	-0.04							1.0

August 7 2014 Hour: 15:39 17.3 Lat: 33.47N Lon: 35.70E Depth: 7 Agency: REL Local
Magnitudes: 2.4MC REL Rms: 0.0 secs

CENTRAL BEKAA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	8	350	EP		1539	19.26	0.01	25						1.0
QRWL	SN	8	350	ES		1539	20.67	-0.00							1.0
RCY	SZ	13	78	EP		1539	19.86	-0.00							1.0
SHBL	BZ	14	163	EP		1539	20.07	0.01							1.0
SHBL	BN	14	163	ES		1539	22.07	-0.01							1.0
DQRL	SZ	29	335	EP		1539	22.10	-0.01							1.0

August 7 2014 Hour: 17:15 22.7 Lat: 34.04N Lon: 35.95E Depth: 8 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.0 secs

KESROUANE

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	26	359	EP		1715	27.22	-0.00							1.0
BHL	BZ	31	241	EP		1715	27.94	-0.02	38						1.0
BHL	BE	31	241	ES		1715	31.89	0.01							1.0
DQRL	SZ	51	224	EP		1715	31.07	-0.00							1.0
RCY	SZ	61	190	EP		1715	32.71	0.03							1.0
RCY	SE	61	190	ES		1715	40.08	-0.01							1.0

August 8 2014 Hour: 8:20 45.6 Agency: REL Regional

EMSC OT=08:20:45.6 34.58N 24.79E 10Km M=4.8 CRETE, GREECE

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ			EP		822	55.61								
RCY	SZ			EP		822	56.18								
HWQ	SZ			EP		822	57.26								

August 8 2014 Hour: 9:39 57.0 Lat: 33.47N Lon: 35.68E Depth: 10 Agency: REL Local
Magnitudes: 2.3MC REL Rms: 0.0 secs

CENTRAL BEKAA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	9	3	EP		939	59.30	-0.01	22						1.0
QRWL	SE	9	3	ES		940	1.02	0.01							1.0
SHBL	BZ	15	155	EP		940	0.07	0.02							1.0
SHBL	BE	15	155	ES		940	2.30	-0.01							1.0
RCY	SZ	15	78	EP		940	0.09	-0.00							1.0
DQRL	SZ	28	339	EP		940	1.89	-0.00							1.0

August 8 2014 Hour: 11:44 54.8 Lat: 33.83N Lon: 35.71E Depth: 33 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.1 secs

BEIRUT REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	10	330	EP		1145	0.32	-0.06	37						1.0
DQRL	SZ	19	223	EP		1145	0.81	-0.07							1.0
DQRL	SE	19	223	ES		1145	5.44	0.08							1.0
RCY	SZ	39	162	EP		1145	2.89	0.03							1.0
RCY	SE	39	162	ES		1145	8.77	-0.02							1.0
HWQ	SZ	55	24	EP		1145	4.79	0.04							1.0

August 8 2014 Hour: 15:13 18.2 Lat: 33.78N Lon: 35.79E Depth: 0 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.0 secs

BEIRUT REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	18	317	EP		1513	21.13	-0.04	41						1.0
DQRL	SZ	22	247	EP		1513	21.75	-0.00							1.0
DQRL	SN	22	247	ES		1513	24.41	0.02							1.0
RCY	SZ	32	172	EP		1513	23.36	0.00							1.0
RCY	SN	32	172	ES		1513	27.17	-0.01							1.0
HWQ	SZ	57	15	EP		1513	27.40	0.03							1.0

August 8 2014 Hour: 15:28 4.8 Lat: 33.79N Lon: 35.77E Depth: 9 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.0 secs

BEIRUT REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	16	320	EP		1528	7.94	-0.01	38						1.0
BHL	BE	16	320	ES		1528	10.26	0.00							1.0
DQRL	SZ	21	242	EP		1528	8.58	0.00							1.0
RCY	SZ	34	169	EP		1528	10.52	0.00							1.0
RCY	SE	34	169	ES		1528	14.73	0.00							1.0
HWQ	SZ	56	17	EP		1528	14.07	0.00							1.0

August 10 2014 Hour: 3:43 16.3

Agency: REL Distant

EMSC OT=03:43:16.3 41.25N 142.27E 30Km M=6.0 HOKKAIDO

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	BZ			EP		355	16.62								
BHL	BZ			EP		355	19.07								
RCY	SZ			EP		355	20.27								
DQRL	SZ			EP		355	20.33								
QRWL	SZ			EP		355	20.13								
SHBL	BZ			EP		355	21.06								

August 10 2014 Hour: 7:41 52.5

Lat: 33.46N

Lon: 35.64E

Depth: 0

Agency: REL Local

Magnitudes: 2.7MC REL

Rms: 0.0 secs

CENTRAL BEKAA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	11	22	EP		741	54.28-0.02		40						1.0
SHBL	BZ	16	140	EP		741	54.98-0.02								1.0
RCY	SZ	19	76	EP		741	55.56-0.02								1.0
RCY	SE	19	76	ES		741	57.89 0.02								1.0
DQRL	SZ	29	348	EP		741	57.18 0.09								1.0
DQRL	SN	29	348	ES		742	0.44-0.05								1.0
BHL	BZ	50	2	EP		742	0.54 0.00								1.0

August 10 2014 Hour: 13:33 24.8

Agency: REL Distant

EMSC OT=13:33:24.8 05.88N 127.15E 100Km M=5.7 PHILIPPINE ISLANDS

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ			EP		1346	3.82								
BHL	BZ			EP		1346	3.96								
SHBL	BZ			EP		1346	4.37								
DQRL	SZ			EP		1346	4.87								

August 10 2014 Hour: 13:50 37.0

Lat: 33.80N

Lon: 35.79E

Depth: 7

Agency: REL Local

Magnitudes: 2.7MC REL

Rms: 0.0 secs

BEIRUT REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	17	314	EP		1350	40.02-0.02		39						1.0
DQRL	SZ	23	243	EP		1350	40.83-0.00								1.0
DQRL	SE	23	243	ES		1350	43.71 0.01								1.0
RCY	SZ	34	172	EP		1350	42.56-0.01								1.0
RCY	SN	34	172	ES		1350	46.73 0.00								1.0
HWQ	SZ	55	15	EP		1350	46.01 0.01								1.0

August 10 2014 Hour: 15:15 37.2

Lat: 33.79N

Lon: 35.77E

Depth: 1

Agency: REL Local

Magnitudes: 2.7MC REL

Rms: 0.0 secs

BEIRUT REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	17	320	EP		1515	39.97-0.01		37						1.0
BHL	BE	17	320	ES		1515	42.04-0.00								1.0
DQRL	SZ	21	245	EP		1515	40.59 0.01								1.0
RCY	SZ	33	170	EP		1515	42.46-0.01								1.0
RCY	SN	33	170	ES		1515	46.39 0.01								1.0
HWQ	SZ	57	16	EP		1515	46.36 0.01								1.0

August 10 2014 Hour: 16:19 24.3

Lat: 33.54N

Lon: 35.72E

Depth: 0

Agency: REL Local

Magnitudes: 2.4MC REL

Rms: 0.1 secs

CENTRAL BEKAA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	3	286	EP		1619	24.74-0.13		26						1.0
QRWL	SN	3	286	ES		1619	25.28 0.02								1.0
RCY	SZ	12	113	EP		1619	26.26-0.06								1.0
SHBL	BZ	21	173	EP		1619	27.88 0.09								1.0
SHBL	BN	21	173	ES		1619	30.35-0.00								1.0
DQRL	SZ	23	324	EP		1619	28.06 0.04								1.0
BHL	BZ	41	352	EP		1619	30.96 0.04								1.0

August 11 2014 Hour: 11:258.3 Lat: 33.47N Lon: 35.68E Depth: 1 Agency: REL Local
Magnitudes: 2.5MC REL Rms: 0.1 secs

CENTRAL BEKAA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	9	1	EP		11	2	59.77-0.10	29						1.0
QRWL	SN	9	1	ES		11	3	1.02 0.02							1.0
SHBL	BZ	14	156	EP		11	3	0.72 0.02							1.0
RCY	SZ	15	76	EP		11	3	0.68-0.10							1.0
RCY	SN	15	76	ES		11	3	2.64 0.07							1.0
DQRL	SZ	29	339	EP		11	3	3.06 0.08							1.0

August 11 2014 Hour: 13:33 20.0 Lat: 33.46N Lon: 35.57E Depth: 17 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.0 secs

SAIDA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	14	45	EP		1333	23.59-0.03	33							1.0
QRWL	SN	14	45	ES		1333	26.35 0.02								1.0
SHBL	BZ	20	127	EP		1333	24.26-0.01								1.0
RCY	SZ	25	79	EP		1333	24.92 0.05								1.0
RCY	SN	25	79	ES		1333	28.48-0.03								1.0
DQRL	SZ	28	360	EP		1333	25.20-0.01								1.0

August 11 2014 Hour: 14:43 60.0 Lat: 33.46N Lon: 35.69E Depth: 6 Agency: REL Local
Magnitudes: 2.4MC REL Rms: 0.1 secs

CENTRAL BEKAA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	9	359	EP		1444	1.81-0.09	25							1.0
QRWL	SN	9	359	ES		1444	3.34 0.01								1.0
SHBL	BZ	14	157	EP		1444	2.56 0.03								1.0
RCY	SZ	15	75	EP		1444	2.55-0.08								1.0
RCY	SN	15	75	ES		1444	4.66 0.06								1.0
DQRL	SZ	29	339	EP		1444	4.88 0.08								1.0

August 11 2014 Hour: 16:030.0 Lat: 33.52N Lon: 35.69E Depth: 0 Agency: REL Local
Magnitudes: 2.3MC REL Rms: 0.1 secs

CENTRAL BEKAA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	3	348	EP		16	0	30.44-0.12	22						1.0
RCY	SZ	14	100	EP		16	0	32.19-0.03							1.0
RCY	SN	14	100	ES		16	0	33.90 0.04							1.0
DQRL	SZ	24	332	EP		16	0	33.88 0.07							1.0
DQRL	SN	24	332	ES		16	0	36.67 0.04							1.0

August 12 2014 Hour: 20:39 32.6 Lat: 34.32N Lon: 35.94E Depth: 20 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.0 secs

NORTH LEBANON

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	5	176	EP		2039	36.02-0.00								1.0
HWQ	SE	5	176	ES		2039	38.59 0.00								1.0
BHL	BZ	54	210	EP		2039	41.51-0.04	43							1.0
BHL	BN	54	210	ES		2039	48.25 0.04								1.0
DQRL	SZ	77	207	EP		2039	44.91 0.02								1.0
QRWL	SZ	89	196	EP		2039	46.71-0.02								1.0
QRWL	SN	89	196	ES		2039	57.16-0.06								1.0
SHBL	BZ	110	190	EP		2039	49.80 0.05								1.0
SHBL	BN	110	190	ES		2040	2.50 0.03								1.0

August 13 2014 Hour: 14:17 40.4

Agency: REL Regional

EMSC OT=14:17:40.4 34.51N 28.29E 46Km M=4.4 MEDITERRANEAN SEA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ			EP		1419	10.07								
RCY	SZ			EP		1419	9.78								

August 13 2014 Hour: 15:27 3.4

Lat: 33.78N Lon: 35.78E

Depth: 8 Agency: REL Local

Magnitudes: 2.7MC REL

Rms: 0.0 secs

BEIRUT REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	18	319	EP		1527	6.62	0.00	40						1.0
BHL	BN	18	319	ES		1527	8.99	-0.01							1.0
DQRL	SZ	21	246	EP		1527	7.24	0.08							1.0
QRWL	SZ	28	199	EP		1527	8.07	-0.07							1.0
QRWL	SN	28	199	ES		1527	11.59	-0.06							1.0
RCY	SZ	32	171	EP		1527	8.89	0.02							1.0
RCY	SE	32	171	ES		1527	12.96	0.04							1.0
HWQ	SZ	57	16	EP		1527	12.67	-0.02							1.0

August 13 2014 Hour: 23:28 53.5

Lat: 33.79N Lon: 35.79E

Depth: 5 Agency: REL Local

Magnitudes: 2.8MC REL

Rms: 0.1 secs

BEIRUT REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	18	315	EP		2328	56.55	-0.03	48						1.0
BHL	BE	18	315	ES		2328	58.88	-0.00							1.0
DQRL	SZ	23	247	EP		2328	57.27	0.04							1.0
DQRL	SN	23	247	ES		2329	0.03	0.02							1.0
QRWL	SZ	28	201	EP		2328	58.05	-0.10							1.0
BEYL	SZ	29	289	EP		2328	58.20	-0.06							0.2
RCY	SZ	32	173	EP		2328	58.80	0.01							1.0
RCY	SN	32	173	ES		2329	2.77	0.03							1.0
SHBL	BZ	49	185	EP		2329	1.37	-0.03							1.0
HWQ	SZ	56	14	EP		2329	3.04	0.44							0.2

August 14 2014 Hour: 0:41 37.4

Lat: 33.05N Lon: 35.68E

Depth: 0 Agency: REL Regional

Magnitudes: 2.7MC REL

Rms: 0.0 secs

NORTH GALILEE

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	BZ	34	10	EP		041	42.83	-0.09	38						1.0
SHBL	BN	34	10	ES		041	47.01	0.02							1.0
RCY	SZ	52	16	EP		041	45.88	0.06							1.0
QRWL	SZ	56	0	EP		041	46.37	-0.02							1.0
QRWL	SN	56	0	ES		041	53.02	-0.02							1.0
DQRL	SZ	74	352	EP		041	49.38	0.05							1.0
BHL	BZ	95	359	EP		041	52.78	0.00							1.0

August 14 2014 Hour: 0:59 51.9

Agency: REL Regional

EMSC OT=00:59:51.9 35.73N 27.54E 10Km M=3.8 DODECANESE ISLANDS

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ			EP		1	1	31.85							
HWQ	SZ			EP		1	1	33.82							
SHBL	BZ			EP		1	1	34.99							

August 14 2014 Hour: 12:28 0.1

Agency: REL Regional

EMSC OT=12:28:00.1 35.93N 28.30E 2Km M=4.3 MEDITERRANEAN SEA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ			EP		1229	34.92								
RCY	SZ			EP		1229	37.75								

August 14 2014 Hour: 16: 0 41.5 Lat: 33.79N Lon: 35.78E Depth: 9 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.1 secs

BEIRUT REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	17	318	EP		16	0	44.71	-0.06	38					1.0
DQRL	SZ	21	244	EP		16	0	45.41	0.05						1.0
DQRL	SN	21	244	ES		16	0	48.26	0.03						1.0
QRWL	SZ	28	198	EP		16	0	46.26	-0.11						1.0
RCY	SZ	33	171	EP		16	0	47.16	0.06						1.0
RCY	SN	33	171	ES		16	0	51.25	-0.00						1.0
HWQ	SZ	56	16	EP		16	0	50.78	0.03						1.0

August 14 2014 Hour: 16:31 43.5 Lat: 33.54N Lon: 35.71E Depth: 1 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.1 secs

CENTRAL BEKAA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	3	282	EP		1631	43.94	-0.15	35						1.0
QRWL	SN	3	282	ES		1631	44.61	0.08							1.0
RCY	SZ	12	114	EP		1631	45.55	0.02							1.0
SHBL	BZ	22	173	EP		1631	47.04	0.03							1.0
SHBL	BN	22	173	ES		1631	49.60	-0.01							1.0
DQRL	SZ	23	324	EP		1631	47.21	0.07							1.0
BHL	BZ	41	352	EP		1631	50.01	-0.03							1.0

August 15 2014 Hour: 4: 0 17.6 Agency: REL Regional
EMSC OT=04:00:17.6 37.01N 27.43E 1Km M=4.0 WESTERN TURKEY

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ			EP		4	2	5.91							
HWQ	SZ			EP		4	2	6.55							
SHBL	BZ			EP		4	2	7.98							
RCY	SZ			EP		4	2	8.94							

August 15 2014 Hour: 9:54 26.4 Lat: 33.83N Lon: 35.78E Depth: 29 Agency: REL Local
Magnitudes: 2.9MC REL Rms: 0.0 secs

BEIRUT REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	14	306	EP		954	31.59	0.07	51						1.0
DQRL	SZ	24	235	EP		954	32.24	-0.04							1.0
DQRL	SN	24	235	ES		954	36.63	-0.01							1.0
RCY	SZ	37	172	EP		954	33.83	0.05							1.0
RCY	SE	37	172	ES		954	39.23	-0.02							1.0
HWQ	SZ	52	17	EP		954	35.62	-0.04							1.0

August 15 2014 Hour: 11:27 55.6 Lat: 33.46N Lon: 35.58E Depth: 16 Agency: REL Local
Magnitudes: 2.3MC REL Rms: 0.0 secs

SAIDA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	14	43	EP		1127	59.14	0.01	21						1.0
QRWL	SN	14	43	ES		1128	1.73	-0.01							1.0
SHBL	BZ	19	129	EP		1127	59.83	0.00							1.0
SHBL	BN	19	129	ES		1128	2.94	-0.00							1.0
RCY	SZ	24	80	EP		1128	0.38	0.00							1.0

August 16 2014 Hour: 13: 2 10.4 Lat: 33.44N Lon: 35.58E Depth: 16 Agency: REL Local
Magnitudes: 2.2MC REL Rms: 0.1 secs

SAIDA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	15	38	EP		13	2	13.91	-0.09	19					1.0
QRWL	SN	15	38	ES		13	2	16.70	0.05						1.0
SHBL	BZ	18	126	EP		13	2	14.56	0.09						1.0
SHBL	BE	18	126	ES		13	2	17.40	-0.05						1.0
RCY	SZ	24	76	EP		13	2	15.17	-0.00						1.0

August 17 2014 Hour: 12:24 56.0 Lat: 33.79N Lon: 35.78E Depth: 1 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.1 secs

BEIRUT REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	17	319	EP		1224	58.79	-0.05	48						1.0
DQRL	SZ	21	245	EP		1224	59.41	-0.03							1.0
DQRL	SN	21	245	ES		1225	1.98	-0.00							1.0
BEYL	SZ	28	290	EP		1225	0.64	0.11							1.0
RCY	SZ	33	170	EP		1225	1.33	0.05							1.0
RCY	SN	33	170	ES		1225	5.20	0.02							1.0
HWQ	SZ	57	16	EP		1225	5.16	-0.02							1.0

August 17 2014 Hour: 14:26 53.3 Lat: 34.04N Lon: 36.15E Depth: 51 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.1 secs

HERMEL BAALBEK REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	32	325	EP		1427	2.18	-0.01							1.0
HWQ	SE	32	325	ES		1427	8.78	0.02							1.0
BHL	BZ	48	252	EP		1427	3.40	-0.09	45						1.0
DQRL	SZ	65	235	EP		1427	5.29	0.09							1.0
DQRL	SN	65	235	ES		1427	13.98	-0.01							1.0
RCY	SZ	67	206	EP		1427	5.44	-0.01							1.0

August 17 2014 Hour: 15:22 47.1 Lat: 33.79N Lon: 35.79E Depth: 4 Agency: REL Local
Magnitudes: 2.5MC REL Rms: 0.0 secs

BEIRUT REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	17	315	EP		1522	49.98	-0.04	31						1.0
BHL	BN	17	315	ES		1522	52.22	0.00							1.0
DQRL	SZ	22	244	EP		1522	50.76	-0.00							1.0
DQRL	SN	22	244	ES		1522	53.52	0.02							1.0
RCY	SZ	33	172	EP		1522	52.47	-0.02							1.0
RCY	SN	33	172	ES		1522	56.52	0.01							1.0
HWQ	SZ	56	15	EP		1522	56.16	0.03							1.0

August 17 2014 Hour: 16:56 25.1 Lat: 33.49N Lon: 35.66E Depth: 0 Agency: REL Local
Magnitudes: 2.3MC REL Rms: 0.0 secs

CENTRAL BEKAA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	7	15	EP		1656	26.20	-0.07	24						1.0
QRWL	SN	7	15	ES		1656	27.14	0.03							1.0
RCY	SZ	16	86	EP		1656	27.77	0.03							1.0
RCY	SN	16	86	ES		1656	29.67	-0.01							1.0
DQRL	SZ	26	341	EP		1656	29.32	0.03							1.0

August 18 2014 Hour: 2: 2 59.1 Lat: 34.96N Lon: 37.25E Depth: 8 Agency: REL Regional
Magnitudes: 3.5MC REL Rms: 0.1 secs

SYRIA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	141	238	EP		2 3	21.18	-0.09							1.0
HWQ	SN	141	238	ES		2 3	37.74	0.05							1.0
BHL	BZ	188	232	EP		2 3	27.75	0.06	96						1.0
BHL	BN	188	232	ES		2 3	48.63	-0.23							1.0
RCY	SN	208	219	EP		2 3	30.18	-0.11							1.0
DQRL	SZ	208	228	EP		2 3	30.30	0.09							1.0
DQRL	SN	208	228	ES		2 3	53.43	0.18							1.0
QRWL	SZ	213	223	EP		2 3	30.99	0.15							1.0
SHBL	BZ	227	218	EP		2 3	32.45	-0.10							1.0

August 18 2014 Hour: 2:32 5.5 Agency: REL Regional
EMSC OT=02:32:05.5 32.58N 47.62E 10Km M=6.2 IRAN-IRAQ BORDER
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 HWQ BZ EP 234 27.95
 SHBL BZ EP 234 30.49
 BHL BZ EP 234 33.24

August 18 2014 Hour: 5:25 51.7 Agency: REL Regional
EMSC OT=05:25:51.7 32.58N 47.72E 10Km M=5.7 IRAN-IRAQ BORDER
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 HWQ SZ EP 528 17.40
 QRWL SZ EP 528 18.51
 BHL BZ EP 528 22.93

August 18 2014 Hour: 11:51 34.3 Agency: REL Regional
EMSC OT=11:51:34.3 32.62N 47.54E 10Km M=5.7 IRAN-IRAQ BORDER
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 HWQ SZ EP 1153 52.94
 RCY SZ EP 1153 56.74
 BHL BZ EP 1153 58.09
 SHBL BZ EP 1153 56.29
 QRWL SZ EP 1153 58.61
 DQRL SZ EP 1153 58.89

August 19 2014 Hour: 15:38 17.7 Agency: REL Distant
EMSC OT=15:38:17.7 22.15S 179.42W 609Km M=5.3 FIJI ISLANDS
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 BHL BZ EP 1556 54.34
 RCY SZ EP 1556 54.42
 DQRL SZ EP 1556 55.08

August 19 2014 Hour: 16:39 28.0 Lat: 33.79N Lon: 35.77E Depth: 5 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.1 secs
BEIRUT REGION
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 BHL BZ 17 319 EP 1639 30.86-0.05 37 1.0
 DQRL SZ 21 244 EP 1639 31.48-0.08 1.0
 DQRL SN 21 244 ES 1639 34.29 0.08 1.0
 RCY SZ 33 170 EP 1639 33.45-0.00 1.0
 RCY SN 33 170 ES 1639 37.49-0.01 1.0
 HWQ SZ 56 16 EP 1639 37.20 0.06 1.0

August 19 2014 Hour: 21:32 17.5 Agency: REL Regional
EMSC OT=21:32:17.5 32.64N 47.56E 10Km M=5.2 IRAN-IRAQ BORDER
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 SHBL BZ EP 2134 39.66
 QRWL SZ EP 2134 40.44
 BHL BZ EP 2134 41.54

August 20 2014 Hour: 10:14 15.5 Agency: REL Regional
EMSC OT=10:14:15.5 32.51N 47.79E 10Km M=5.6 IRAN-IRAQ BORDER
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 RCY SZ EP 1016 38.70
 SHBL BZ EP 1016 41.17
 BHL BZ EP 1016 45.88

August 20 2014 Hour: 14:13 35.0 Lat: 33.58N Lon: 35.70E Depth: 4 Agency: REL Local
Magnitudes: 2.3MC REL Rms: 0.0 secs
CENTRAL BEKAA
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 QRWL SZ 5 204 EP 1413 36.16-0.03 23 1.0
 QRWL SN 5 204 ES 1413 37.05 0.01 1.0
 RCY SZ 16 129 EP 1413 37.77 0.00 1.0

DQRL	SZ	18	317	EP		1413	38.11	0.01									1.0
DQRL	SN	18	317	ES		1413	40.35	-0.01									1.0
SHBL	BZ	27	172	EP		1413	39.44	0.00									1.0

August 20 2014 Hour: 14:17 1.5 Lat: 33.78N Lon: 35.78E Depth: 6 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.1 secs

BEIRUT REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	18	318	EP		1417	4.49	-0.10	35						1.0
BHL	BE	18	318	ES		1417	6.94	0.04							1.0
DQRL	SZ	21	246	EP		1417	5.19	0.04							1.0
RCY	SZ	32	171	EP		1417	6.86	-0.00							1.0
RCY	SN	32	171	ES		1417	10.85	-0.00							1.0
HWQ	SZ	57	16	EP		1417	10.76	0.04							1.0

August 21 2014 Hour: 9:43 38.5 Lat: 33.47N Lon: 35.69E Depth: 8 Agency: REL Local
Magnitudes: 2.5MC REL Rms: 0.0 secs

CENTRAL BEKAA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	9	355	EP		943	40.58	-0.03	28						1.0
QRWL	SN	9	355	ES		943	42.18	-0.00							1.0
RCY	SZ	14	77	EP		943	41.28	0.01							1.0
SHBL	BZ	14	159	EP		943	41.26	-0.05							1.0
SHBL	BN	14	159	ES		943	43.44	0.04							1.0
DQRL	SZ	29	337	EP		943	43.41	0.04							1.0

August 21 2014 Hour: 15:29 25.1 Lat: 34.01N Lon: 36.15E Depth: 33 Agency: REL Local
Magnitudes: 3.0MC REL Rms: 0.1 secs

HERMEL BAALBEK REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	34	328	EP		1529	32.67	0.08	57						1.0
HWQ	SN	34	328	ES		1529	38.09	-0.04							1.0
BHL	BZ	47	255	EP		1529	33.97	-0.05							1.0
DQRL	SZ	63	237	EP		1529	36.15	0.05							1.0
RCY	SZ	64	207	EP		1529	36.18	-0.09							1.0
RCY	SN	64	207	ES		1529	44.58	0.05							1.0

August 21 2014 Hour: 16:16 38.2 Lat: 33.83N Lon: 35.73E Depth: 30 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.0 secs

BEIRUT REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	11	321	EP		1616	43.44	0.06	45						1.0
BHL	BN	11	321	ES		1616	47.14	-0.04							1.0
DQRL	SZ	20	226	EP		1616	44.01	0.01							1.0
DQRL	SN	20	226	ES		1616	48.26	-0.00							1.0
RCY	SZ	38	165	EP		1616	45.87	-0.07							1.0
RCY	SN	38	165	ES		1616	51.67	0.04							1.0
HWQ	SZ	54	22	EP		1616	47.81	0.00							1.0

August 21 2014 Hour: 20:37 18.4 Agency: REL Regional

EMSC OT=20:37:18.4 35.41N 27.74E 10Km M=4.8 DODECANESE ISLANDS

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ			EP		2038	55.13								
QRWL	SZ			EP		2038	56.78								
HWQ	SZ			EP		2038	57.13								
SHBL	BZ			EP		2038	57.70								
RCY	SZ			EP		2038	58.56								

August 22 2014 Hour: 4:27 55.0 Agency: REL Distant
EMSC OT=04:27:55.0 39.92N 23.46E 29Km M=5.0 AEGEAN SEA
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 BHL BZ EP 430 38.80
 HWQ SZ EP 430 39.71
 SHBL BZ EP 430 43.82

August 22 2014 Hour: 10:50 57.2 Lat: 33.79N Lon: 35.77E Depth: 6 Agency: REL Local
 Magnitudes: 2.7MC REL Rms: 0.0 secs
BEIRUT REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	16	320	EP		1051	0.13-0.00								1.0
DQRL	SZ	21	243	EP		1051	0.75-0.00	42							1.0
DQRL	SN	21	243	ES		1051	3.38 0.00								1.0
RCY	SZ	33	169	EP		1051	2.73-0.00								1.0
RCY	SN	33	169	ES		1051	6.82-0.00								1.0
HWQ	SZ	57	17	EP		1051	6.42 0.01								1.0

August 22 2014 Hour: 17:46 30.8 Agency: REL Regional
EMSC OT=17:46:30.8 35.45N 27.77E 15Km M=4.3 DODECANESE ISLANDS

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ			EP		1748	4.76								
HWQ	SZ			EP		1748	8.94								
RCY	SZ			EP		1748	10.03								
SHBL	BZ			EP		1748	9.49								

August 22 2014 Hour: 20: 6 4.7 Agency: REL Regional
EMSC OT=20:06:04.7 33.63N 45.72E 20Km M=4.9 IRAN-IRAQ BORDER

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ			EP		20 8	2.55								
RCY	SZ			EP		20 8	2.61								
SHBL	BZ			EP		20 8	4.15								
QRWL	SZ			EP		20 8	4.99								
BHL	BZ			EP		20 8	5.12								
DQRL	SZ			EP		20 8	6.40								

August 23 2014 Hour: 2:40 5.0 Agency: REL Regional
EMSC OT=02:40:05.0 35.44N 31.55E 10Km M=3.5 CYPRUS REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	BZ			EP		241	5.76								
HWQ	SZ			EP		241	2.58								

August 23 2014 Hour: 11:30 23.8 Lat: 33.48N Lon: 35.67E Depth: 9 Agency: REL Local
 Magnitudes: 2.6MC REL Rms: 0.0 secs

CENTRAL BEKAA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	8	12	EP		1130	25.80-0.07	33							1.0
QRWL	SN	8	12	ES		1130	27.44 0.02								1.0
SHBL	BN	16	153	ES		1130	29.18-0.01								1.0
RCY	SZ	16	82	EP		1130	26.90 0.02								1.0
SHBL	BZ	16	153	EP		1130	26.89 0.01								1.0
DQRL	SZ	27	341	EP		1130	28.44 0.03								1.0
HWQ	SZ	93	16	EP		1130	38.68-0.01								1.0

August 23 2014 Hour: 15: 9 30.4 Lat: 33.42N Lon: 35.68E Depth: 19 Agency: REL Local
 Magnitudes: 2.4MC REL Rms: 0.0 secs

CENTRAL BEKAA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	BZ	10	141	EP		15 9	34.09 0.02								1.0
SHBL	BN	10	141	ES		15 9	36.76-0.01								1.0
RCY	SZ	17	59	EP		15 9	34.67-0.02	27							1.0
RCY	SN	17	59	ES		15 9	37.85 0.01								1.0
DQRL	SZ	34	343	EP		15 9	36.61-0.00								1.0

August 23 2014 Hour: 20: 5 18.3 Agency: REL Regional
EMSC OT=20:05:18.3 32.65N 47.78E 10Km M=5.4 IRAN-IRAQ BORDER
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 SHBL BZ EP 20 7 43.35
 RCY SZ EP 20 7 42.52
 QRWL SZ EP 20 7 44.48
 DQRL SZ EP 20 7 46.44
 BHL BZ EP 20 7 45.10
 HWQ SZ EP 20 7 47.88

August 24 2014 Hour: 0: 9 53.5 Agency: REL Distant
EMSC OT=00:09:53.5 64.69N 17.59W 2Km M=5.2 ICELAND
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 BHL BZ EP D 018 3.71
 DQRL SZ EP 018 5.38
 QRWL SZ EP 018 5.81
 SHBL BZ EP 018 8.43

August 24 2014 Hour: 2:44 52.3 Agency: REL Regional
EMSC OT=02:44:52.3 32.61N 47.87E 10Km M=5.1 IRAN-IRAQ BORDER
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 SHBL BZ EP 247 17.73
 QRWL SZ EP 247 18.55
 DQRL SZ EP 247 19.95
 BHL BZ EP 247 21.83

August 24 2014 Hour: 13: 6 54.3 Agency: REL Regional
EMSC OT=13:06:54.3 35.24N 31.55E 10Km M=3.9 CYPRUS REGION
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 BHL BZ EP 13 7 50.89
 DQRL SZ EP 13 7 51.06
 HWQ SZ EP 13 7 52.96
 RCY SZ EP 13 7 55.43

August 24 2014 Hour: 15:24 42.1 Lat: 33.79N Lon: 35.79E Depth: 4 Agency: REL Local
 Magnitudes: 2.6MC REL Rms: 0.0 secs
BEIRUT REGION
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 BHL BZ 18 315 EP 1524 45.20-0.02 36 1.0
 DQRL SZ 23 246 EP 1524 45.96 0.04 1.0
 DQRL SN 23 246 ES 1524 48.72 0.00 1.0
 QRWL SZ 29 201 EP 1524 46.80-0.06 1.0
 RCY SZ 33 173 EP 1524 47.54 0.04 1.0
 RCY SN 33 173 ES 1524 51.46-0.00 1.0
 HWQ SZ 56 14 EP 1524 51.23 0.00 1.0

August 24 2014 Hour: 18:44 27.7 Lat: 33.47N Lon: 36.45E Depth: 9 Agency: REL Local
 Magnitudes: 2.9MC REL Rms: 0.1 secs
DAMASCUS REGION
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 RCY SZ 57 273 EP 1844 37.01-0.11 50 1.0
 RCY SN 57 273 ES 1844 44.09 0.00 1.0
 SHBL BZ 67 259 EP 1844 38.76 0.07 1.0
 QRWL SZ 72 277 EP 1844 39.49 0.05 1.0
 DQRL SZ 86 288 EP 1844 41.54-0.09 1.0
 DQRL SN 86 288 ES 1844 51.94 0.01 1.0
 BHL BZ 88 303 EP 1844 42.04 0.07 1.0

August 25 2014 Hour: 8:27 10.9 Lat: 33.46N Lon: 35.60E Depth: 13 Agency: REL Local
Magnitudes: 2.5MC REL Rms: 0.0 secs

SAIDA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	12	41	EP		827	13.91	-0.01	31						1.0
QRWL	SN	12	41	ES		827	16.16	-0.01							1.0
SHBL	BZ	19	132	EP		827	14.69	-0.03							1.0
SHBL	BN	19	132	ES		827	17.59	0.02							1.0
RCY	SZ	23	80	EP		827	15.24	0.01							1.0
DQRL	SZ	27	355	EP		827	15.83	0.02							1.0

August 25 2014 Hour: 13:47 0.6 Lat: 33.47N Lon: 35.63E Depth: 14 Agency: REL Local
Magnitudes: 2.3MC REL Rms: 0.0 secs

SAIDA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	10	30	EP		1347	3.56	0.04	24						1.0
QRWL	SN	10	30	ES		1347	5.66	-0.04							1.0
SHBL	BZ	17	142	EP		1347	4.34	-0.03							1.0
SHBL	BE	17	142	ES		1347	7.20	0.03							1.0
RCY	SZ	19	82	EP		1347	4.63	0.01							1.0
DQRL	SZ	27	348	EP		1347	5.47	-0.06							1.0
DQRL	SN	27	348	ES		1347	9.25	0.06							1.0

August 25 2014 Hour: 14:47 0.3 Lat: 33.55N Lon: 35.72E Depth: 1 Agency: REL Local
Magnitudes: 2.4MC REL Rms: 0.1 secs

CENTRAL BEKAA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	3	269	EP		1447	0.83	-0.16	27						1.0
QRWL	SN	3	269	ES		1447	1.56	0.08							1.0
RCY	SZ	13	117	EP		1447	2.40	-0.04							1.0
RCY	SN	13	117	ES		1447	4.02	0.03							1.0
DQRL	SZ	22	323	EP		1447	3.97	0.05							1.0
SHBL	BZ	22	173	EP		1447	4.01	0.04							1.0

August 26 2014 Hour: 1:26 8.7 Agency: REL Distant

EMSC OT=01:26:08.7 64.79N 17.35W 2Km M=5.4 ICELAND

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EP		134	18.51								
DQRL	SZ			EP		134	19.72								
QRWL	SZ			EP		134	21.22								
SHBL	BZ			EP		134	23.35								

August 26 2014 Hour: 9:43 40.9 Lat: 33.47N Lon: 35.67E Depth: 6 Agency: REL Local
Magnitudes: 2.5MC REL Rms: 0.0 secs

CENTRAL BEKAA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	8	6	EP		943	42.69	-0.01	30						1.0
QRWL	SE	8	6	ES		943	44.01	-0.00							1.0
SHBL	BZ	15	154	EP		943	43.65	-0.02							1.0
SHBL	BN	15	154	ES		943	45.72	0.02							1.0
RCY	SZ	15	80	EP		943	43.69	0.00							1.0
DQRL	SZ	28	340	EP		943	45.54	0.01							1.0

August 26 2014 Hour: 19:34 28.5 Lat: 33.42N Lon: 36.16E Depth: 24 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.0 secs

MOUNT HERMON REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	31	286	EP		1934	34.79	-0.05	44						1.0
RCY	SN	31	286	ES		1934	39.52	0.03							1.0
DQRL	SZ	63	300	EP		1934	39.10	0.03							1.0
DQRL	SN	63	300	ES		1934	46.83	-0.03							1.0
BHL	BZ	71	319	EP		1934	40.25	0.04							1.0
HWQ	SZ	97	348	EP		1934	43.93	-0.02							1.0

August 26 2014 Hour: 21: 6 22.4 Agency: REL Regional

EMSC OT=21:06:22.4 35.23N 31.44E 10Km M=3.1 CYPRUS REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	BZ			EP		21	7	24.67							
HWQ	SZ			EP		21	7	22.16							

August 27 2014 Hour: 0:16 29.6 Agency: REL Distant

EMSC OT=00:16:29.6 64.58N 17.54W 2Km M=5.1 ICELAND

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EP		024		38.52							
SHBL	BZ			EP		024		43.55							

August 27 2014 Hour: 10: 2 29.5 Lat: 35.91N Lon: 41.22E Depth: 0 Agency: REL Regional

Magnitudes: 4.5MC REL Rms: 0.4 secs

SYRIA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	514	251	EP		10	3	39.27	0.23	282					1.0
HWQ	SN	514	251	ES		10	4	30.25	-0.29						1.0
BHL	BZ	555	248	EP		10	3	43.74	-0.30						1.0
RCY	SZ	561	243	EP		10	3	45.08	0.28						1.0
RCY	SN	561	243	ES		10	4	40.96	0.40						1.0
DQRL	SZ	572	246	EP		10	3	45.70	-0.35						1.0

August 27 2014 Hour: 14:33 16.4 Lat: 33.49N Lon: 35.67E Depth: 0 Agency: REL Local

Magnitudes: 1.8MC REL Rms: 0.1 secs

CENTRAL BEKAA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	6	13	EP		1433		17.33	-0.11	11					1.0
QRWL	SE	6	13	ES		1433		18.25	0.04						1.0
RCY	SZ	16	88	EP		1433		18.97	0.03						1.0
RCY	SN	16	88	ES		1433		20.82	0.00						1.0
DQRL	SZ	25	339	EP		1433		20.55	0.05						1.0

August 27 2014 Hour: 14:44 56.2 Lat: 33.97N Lon: 36.16E Depth: 1 Agency: REL Local

Magnitudes: 3.0MC REL Rms: 0.1 secs

CENTRAL BEKAA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	40	331	EP		1445		2.55	-0.04	59					1.0
HWQ	SE	40	331	ES		1445		7.36	0.04						1.0
BHL	BZ	47	262	EP		1445		3.67	-0.13						1.0
RCY	SZ	60	210	EP		1445		5.90	-0.02						1.0
DQRL	SZ	62	242	EP		1445		6.30	0.15						1.0
DQRL	SN	62	242	ES		1445		13.49	-0.01						1.0

August 27 2014 Hour: 14:58 36.3 Lat: 33.79N Lon: 35.79E Depth: 9 Agency: REL Local

Magnitudes: 2.6MC REL Rms: 0.0 secs

BEIRUT REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	18	315	EP		1458		39.61	-0.05	35					1.0
DQRL	SZ	22	245	EP		1458		40.30	-0.03						1.0
DQRL	SN	22	245	ES		1458		43.34	0.05						1.0
RCY	SZ	33	172	EP		1458		41.95	-0.00						1.0
RCY	SN	33	172	ES		1458		46.11	-0.00						1.0
HWQ	SZ	56	15	EP		1458		45.55	0.04						1.0

August 27 2014 Hour: 15:43 58.6 Lat: 34.06N Lon: 36.20E Depth: 51 Agency: REL Local

Magnitudes: 2.9MC REL Rms: 0.1 secs

HERMEL BAALBEK REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	33	315	EP		1544		7.61	-0.00	53					1.0
HWQ	SN	33	315	ES		1544		14.26	0.01						1.0
BHL	BZ	54	251	EP		1544		9.31	-0.07						1.0

DQRL	SZ	71	236	EP		1544	11.27	0.10								1.0
DQRL	SN	71	236	ES		1544	20.41	-0.02								1.0
RCY	SZ	72	208	EP		1544	11.27	-0.04								1.0
RCY	SN	72	208	ES		1544	20.70	0.02								1.0

August 28 2014 Hour: 9:25 26.2 Lat: 33.47N Lon: 35.69E Depth: 3 Agency: REL Local
Magnitudes: 2.4MC REL Rms: 0.0 secs

CENTRAL BEKAA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	8	356	EP		925	27.60	-0.10	28						1.0
QRWL	SN	8	356	ES		925	28.88	0.04							1.0
RCY	SZ	14	78	EP		925	28.56	0.01							1.0
SHBL	BZ	15	159	EP		925	28.64	-0.01							1.0
SHBL	BN	15	159	ES		925	30.50	0.01							1.0
DQRL	SZ	28	337	EP		925	30.82	0.05							1.0

August 28 2014 Hour: 10:22 0.7 Agency: REL Regional

EMSC OT=10:22:00.7 37.07N 36.92E 2Km M=3.9 CENTRAL TURKEY

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ			EP		1022	49.21								
BHL	BZ			EP		1022	56.38								
DQRL	SZ			EP		1022	57.30								
RCY	SZ			EP		1022	58.68								

August 28 2014 Hour: 21:20 7.5 Lat: 33.00N Lon: 35.77E Depth: 1 Agency: REL Regional

Magnitudes: 2.8MC REL

NORTH GALILEE

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	BZ	39	357	EP		2120	13.65	-0.07	46						1.0
SHBL	BN	39	357	ES		2120	18.33	-0.01							1.0
RCY	SZ	55	6	EP		2120	16.41	-0.00							1.0
RCY	SN	55	6	ES		2120	23.07	0.05							1.0
QRWL	SZ	61	352	EP		2120	17.33	-0.02							1.0
QRWL	SN	61	352	ES		2120	24.55	-0.11							1.0
DQRL	SZ	80	347	EP		2120	20.48	0.04							1.0
DQRL	SN	80	347	ES		2120	30.09	0.06							1.0
BHL	BZ	101	354	EP		2120	23.78	0.05							1.0
HWQ	SZ	143	7	EP		2120	30.30	-0.01							1.0

August 29 2014 Hour: 0:19 10.4 Agency: REL Regional

EMSC OT=00:19:10.4 36.60N 34.35E 5Km M=3.2 CENTRAL TURKEY

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ			EP		019	52.71								
BHL	BZ			EP		019	55.29								
DQRL	SZ			EP		019	57.59								
SHBL	BZ			EP		020	3.01								

August 29 2014 Hour: 3:30 21.7 Lat: 33.11N Lon: 34.99E Depth: 10 Agency: REL Local

Magnitudes: 3.0MC REL

OFFSHORE SOUTH LEBANON

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	BZ	75	69	EP		330	33.84	-0.05							1.0
SHBL	BN	75	69	ES		330	42.97	0.03							1.0
QRWL	SZ	81	52	EP		330	34.71	0.01							1.0
DQRL	SZ	85	39	EP		330	35.36	-0.05	55						1.0
DQRL	SN	85	39	ES		330	45.56	-0.03							1.0
BHL	BZ	108	34	EP		330	38.78	0.09							1.0

August 29 2014 Hour: 3:45 6.5

Agency: REL Regional

EMSC OT=03:45:06.5 36.67N 23.68E 95Km M=5.8 SOUTHERN GREECE

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEYL	SZ			EP		347	24.24								
HWQ	BZ			EP		347	24.20								
BHL	BZ			EP		347	24.67								
DQRL	SZ			EP		347	24.97								
QRWL	SZ			EP		347	27.94								
RCY	SZ			EP		347	29.59								
SHBL	BZ			EP		347	29.06								

August 29 2014 Hour: 21: 8 16.1

Lat: 32.78N

Lon: 35.60E

Depth: 8

Agency: REL

Regional

Magnitudes: 2.8MC REL

Rms: 0.1 secs

DEAD SEA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	BZ	65	12	EP		21 8	26.65	-0.07	42						1.0
SHBL	BN	65	12	ES		21 8	34.54	-0.05							1.0
RCY	SZ	83	15	EP		21 8	29.70	0.10							1.0
QRWL	SZ	86	5	EP		21 8	30.01	-0.06							1.0
QRWL	SN	86	5	ES		21 8	40.49	0.08							1.0
DQRL	SZ	103	359	EP		21 8	32.67	0.04							1.0
DQRL	SN	103	359	ES		21 8	44.83	-0.03							1.0

August 30 2014 Hour: 9:23 35.2

Lat: 33.48N

Lon: 35.68E

Depth: 0

Agency: REL

Local

Magnitudes: 2.5MC REL

Rms: 0.0 secs

CENTRAL BEKAA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	8	360	EP		923	36.46	-0.02							1.0
RCY	SZ	14	81	EP		923	37.54	0.01	29						1.0
SHBL	BZ	15	158	EP		923	37.64	-0.04							1.0
SHBL	BE	15	158	ES		923	39.54	0.03							1.0
DQRL	SZ	28	338	EP		923	39.65	0.02							1.0
DQRL	SN	28	338	ES		923	42.92	0.01							1.0

August 31 2014 Hour: 15:23 0.5

Lat: 33.80N

Lon: 35.78E

Depth: 8

Agency: REL

Local

Magnitudes: 2.4MC REL

Rms: 0.0 secs

BEIRUT REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	17	316	EP		1523	3.62	-0.02	26						1.0
DQRL	SZ	22	242	EP		1523	4.39	-0.00							1.0
DQRL	SE	22	242	ES		1523	7.27	0.01							1.0
RCY	SZ	34	171	EP		1523	6.21	-0.01							1.0
RCY	SE	34	171	ES		1523	10.44	0.00							1.0
HWQ	SZ	56	16	EP		1523	9.65	0.02							1.0

Epicentral Map of Lebanon

AUGUST 2014

