

Republic of Lebanon
National Council for Scientific Research

Provisional Seismological Bulletin

from the

NATIONAL SEISMIC NETWORK

August

2012

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	Opened Nov 2000
FKH	3414.69N	3624.61E	1152	FAKEHEH	Opened Dec 2004
RCY	3329.79N	3550.14E	1370	RACHAYA	Opened Jun 2006
DWR	3323.13N	3524.08E	420	DWEIR	Scheduled 2003
BEYL	3352.30N	3529.59E	49	BEIRUT	Opened Jul 2006
NAQL	3307.02N	3508.46E	83	NAQOURA	Opened Jul 2008
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 ($0.5 \times (\text{peak to peak})$), (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 2012 Hour: 10:32 53.8 Lat: 33.88N Lon: 35.85E Depth: 0 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	18	280	EP		1032	56.68	-0.07	54						1.0
BHL	BN	18	280	ES		1032	58.91	0.01							1.0
DQRL	SZ	32	234	EP		1032	59.03	0.06							1.0
DQRL	SN	32	234	ES		1033	2.76	-0.00							1.0
RCY	SZ	42	181	EP		1033	0.65	0.01							1.0
RCY	SN	42	181	ES		1033	5.64	-0.03							1.0
HWQ	SZ	46	12	EP		1033	1.18	-0.00							1.0
SHBL	BZ	59	189	EP		1033	3.45	0.04							1.0
SHBL	BN	59	189	ES		1033	10.48	-0.02							1.0

August 1 2012 Hour: 23:18 43.1 Lat: 34.90N Lon: 36.53E Depth: 0 Agency: REL Local
Magnitudes: 3.0MC REL Rms: 0.1 secs

HOMS REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	87	218	EP		2318	57.17	0.03	54						1.0
HWQ	SN	87	218	ES		2319	7.45	-0.10							1.0
BHL	BZ	137	216	EP		2319	5.16	0.08							1.0
BHL	BN	137	216	ES		2319	21.47	0.11							1.0
DQRL	SZ	159	214	EP		2319	8.34	-0.06							1.0
DQRL	SN	159	214	ES		2319	27.09	-0.04							1.0
RCY	SZ	168	202	EP		2319	9.71	-0.06							1.0
RCY	SN	168	202	ES		2319	29.56	0.04							1.0
SHBL	BZ	187	203	EP		2319	12.44	-0.01							1.0

August 2 2012 Hour: 8:19 40.8 Lat: 34.17N Lon: 36.33E Depth: 0 Agency: REL Local
Magnitudes: 3.0MC REL Rms: 0.0 secs

HERMEL BAALBEK REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
FKH	SZ	11	42	EP		819	42.52	-0.03							1.0
HWQ	SZ	37	289	EP		819	46.81	0.03	60						1.0
BHL	BZ	69	245	EP		819	51.89	-0.02							1.0
DQRL	SZ	87	234	EP		819	54.86	0.03							1.0
DQRL	SN	87	234	ES		820	5.21	-0.03							1.0
RCY	SZ	88	212	EP		819	54.90	-0.02							1.0
RCY	SN	88	212	ES		820	5.41	0.02							1.0
QRWL	SZ	92	221	EP		819	55.49	-0.04							1.0
QRWL	SN	92	221	ES		820	6.43	-0.02							1.0
SHBL	BZ	106	211	EP		819	57.95	0.05							1.0
SHBL	BN	106	211	ES		820	10.53	-0.04							1.0

August 2 2012 Hour: 15:29 13.4 Lat: 33.79N Lon: 35.78E Depth: 5 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	317	EP		1529	16.22	-0.05	29						1.0
DQRL	SZ	22	243	EP		1529	17.01	-0.01							1.0
DQRL	SN	22	243	ES		1529	19.73	0.04							1.0
RCY	SZ	33	171	EP		1529	18.84	-0.05							1.0
RCY	SN	33	171	ES		1529	22.97	0.02							1.0
HWQ	SZ	56	16	EP		1529	22.52	0.05							1.0

August 3 2012 Hour: 0:23 3.2 Lat: 35.28N Lon: 36.27E Depth: 0 Agency: REL Local
Magnitudes: 3.3MC REL Rms: 0.0 secs

HOMS REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	115	195	EP		023	21.72	-0.07	79						1.0
HWQ	SE	115	195	ES		023	35.57	0.03							1.0
BHL	BZ	163	200	EP		023	29.09	0.04							1.0
DQRL	SZ	186	200	EP		023	32.40	-0.01							1.0

DQRL	SN	186	200	ES	023	54.00-0.02											1.0
SHBL	BZ	220	193	EP	023	36.68	0.05										1.0
SHBL	BN	220	193	ES	024	1.34-0.02											1.0

August 3 2012 Hour: 15:44 54.0 Lat: 33.78N Lon: 35.78E 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	18	318	EP		1544	56.89-0.05		33						1.0
DQRL	SZ	22	246	EP		1544	57.57	0.02							1.0
DQRL	SN	22	246	ES		1545	0.17	0.02							1.0
RCY	SZ	32	172	EP		1544	59.22-0.03								1.0
RCY	SN	32	172	ES		1545	3.12	0.01							1.0
HWQ	SZ	57	15	EP		1545	3.23	0.04							1.0

August 3 2012 Hour: 15:45 29.1 Lat: 33.83N Lon: 35.81E Depth: 17 Agency: REL Local
Magnitudes: 2.3MC 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	300	EP		1545	32.96-0.01		21						1.0
DQRL	SZ	26	238	EP		1545	34.13	0.01							1.0
DQRL	SN	26	238	ES		1545	37.85-0.00								1.0
RCY	SZ	37	176	EP		1545	35.62-0.02								1.0
RCY	SE	37	176	ES		1545	40.51	0.01							1.0
HWQ	SZ	51	14	EP		1545	37.77	0.12							0.2

August 4 2012 Hour: 11:41 35.8 Lat: 33.79N Lon: 35.77E Depth: 0 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	321	EP		1141	38.49-0.01		45						1.0
BHL	BE	17	321	ES		1141	40.50-0.02								1.0
DQRL	SZ	20	244	EP		1141	39.11	0.04							1.0
DQRL	SN	20	244	ES		1141	41.51-0.00								1.0
BEYL	BZ	27	291	EP		1141	39.70-0.46								0.2
RCY	SZ	33	169	EP		1141	41.00-0.04								1.0
RCY	SN	33	169	ES		1141	44.92-0.03								1.0
HWQ	SZ	57	17	EP		1141	44.99	0.03							1.0

August 5 2012 Hour: 13:55 11.0 Agency: REL Distant
EMSC OT=13:55:11.0 21.09S 178.29W 487Km M=5.9 FIJI REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EP		1414	0.44								
SHBL	BZ			EP		1414	1.13								

August 5 2012 Hour: 20:37 23.0 Agency: REL Regional
EMSC OT=20:37:23.0 37.44N 42.93E 10Km M=5.1 TURKEY-SYRIA-IRAQ

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
FKH	SZ			EP		2038	55.88								
HWQ	SZ			EP		2039	0.18								
BHL	BZ			EP		2039	5.71								
RCY	SZ			EP		2039	7.48								
DQRL	SZ			EP		2039	8.41								
QRWL	SZ			EP		2039	9.09								
SHBL	BZ			EP		2039	9.76								

August 6 2012 Hour: 8:31 17.4 Lat: 34.25N Lon: 36.38E Depth: 2 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
FKH	SZ	3	98	EP		831	18.15-0.03		57						1.0
HWQ	SZ	40	275	EP		831	23.89	0.03							1.0
HWQ	SN	40	275	ES		831	28.57-0.04								1.0
DQRL	SZ	96	231	EP		831	33.01	0.12							1.0

DQRL SN 96 231 ES 831 44.29-0.04 1.0

August 7 2012 Hour: 16:32 26.5 Lat: 33.78N Lon: 35.78E Depth: 0 Agency: REL Local
Magnitudes: 2.9MC 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	321	EP		1632	29.28	-0.11	53						1.0
BHL	BE	18	321	ES		1632	31.55	0.02							1.0
DQRL	SZ	21	247	EP		1632	29.93	0.09							1.0
DQRL	SN	21	247	ES		*1632	32.45	0.14							0.0
BEYL	BZ	28	292	EP		1632	30.76	-0.26							0.2
RCY	SZ	32	170	EP		1632	31.57	-0.07							1.0
RCY	SN	32	170	ES		1632	35.48	0.03							1.0
SHBL	BZ	48	183	EP		1632	34.22	-0.00							1.0
SHBL	BE	48	183	ES		1632	39.93	-0.00							1.0
HWQ	SZ	58	16	EP		1632	35.87	0.08							1.0

August 8 2012 Hour: 13:54 49.0 Agency: REL Regional
EMSC OT=13:54:49.0 34.99N 34.21E 40Km M=2.3 CYPRUS REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ			EP		1355	11.92								
RCY	SZ			EP		1355	17.38								
SHBL	BZ			EP		1355	18.09								

August 8 2012 Hour: 14:42 1.3 Lat: 33.78N Lon: 35.78E Depth: 0 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	18	319	EP		1442	4.08	-0.08	41						1.0
BHL	BN	18	319	ES		1442	6.25	-0.04							1.0
DQRL	SZ	21	246	EP		1442	4.81	0.09							1.0
DQRL	SN	21	246	ES		1442	7.30	0.04							1.0
RCY	SZ	32	171	EP		1442	6.46	-0.03							1.0
HWQ	SZ	57	16	EP		1442	10.57	0.09							1.0

August 8 2012 Hour: 16:33 2.3 Lat: 33.80N Lon: 35.79E Depth: 5 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		1633	5.31	-0.03	41						1.0
DQRL	SZ	23	244	EP		1633	6.11	-0.04							1.0
DQRL	SN	23	244	ES		1633	9.03	0.04							1.0
RCY	SZ	34	173	EP		1633	7.90	0.04							1.0
RCY	SN	34	173	ES		1633	11.95	-0.00							1.0
SHBL	BZ	50	185	EP		1633	10.49	0.04							1.0
SHBL	BN	50	185	ES		1633	16.41	-0.06							1.0
HWQ	SZ	55	15	EP		1633	11.41	0.09							0.2

August 8 2012 Hour: 17:13 9.2 Lat: 33.80N 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	318	EP		1713	12.38	0.04	38						1.0
DQRL	SZ	21	242	EP		1713	12.99	-0.04							1.0
DQRL	SN	21	242	ES		1713	15.84	0.00							1.0
RCY	SZ	34	170	EP		1713	14.96	-0.01							1.0
RCY	SN	34	170	ES		1713	19.20	-0.00							1.0
SHBL	BN	50	183	EP		1713	17.45	-0.00							1.0
SHBL	BE	50	183	ES		1713	23.53	0.00							1.0
HWQ	SZ	56	17	EP		1713	18.40	-0.02							1.0

August 9 2012 Hour: 6:45 11.9 Lat: 33.89N Lon: 35.75E Depth: 3 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	9	281	EP		645	13.52	-0.00	37						1.0
BHL	BN	9	281	ES		645	14.75	0.00							1.0
DQRL	SZ	26	219	EP		645	16.19	0.00							1.0
DQRL	SN	26	219	ES		645	19.38	-0.00							1.0
RCY	SZ	44	170	EP		645	19.07	0.01							1.0
RCY	SN	44	170	ES		645	24.37	-0.01							1.0
HWQ	SZ	47	23	EP		645	19.45	-0.00							1.0

August 9 2012 Hour: 15:16 10.0 Lat: 33.72N Lon: 35.86E Depth: 3 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
RCY	SZ	24	185	EP		1516	13.97	-0.01	36						1.0
RCY	SN	24	185	ES		1516	16.94	-0.01							1.0
QRWL	SZ	25	221	EP		1516	13.94	-0.09							1.0
QRWL	SE	25	221	ES		1516	17.08	0.04							1.0
DQRL	SZ	27	268	EP		1516	14.37	0.02							1.0
DQRL	SN	27	268	ES		1516	17.58	-0.01							1.0
BHL	BZ	28	318	EP		1516	14.57	-0.00							1.0
SHBL	BZ	42	195	EP		1516	16.82	0.01							1.0
SHBL	BE	42	195	ES		1516	21.90	0.03							1.0
HWQ	SZ	63	7	EP		1516	20.15	0.02							1.0

August 9 2012 Hour: 17:23 17.5 Lat: 33.79N Lon: 35.77E Depth: 3 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	17	320	EP		1723	20.20	-0.05	52						1.0
BHL	BN	17	320	ES		1723	22.28	-0.02							1.0
DQRL	SZ	21	243	EP		1723	20.91	0.01							1.0
DQRL	SN	21	243	ES		1723	23.45	0.04							1.0
BEYL	BZ	27	290	EP		1723	21.91	0.01							1.0
RCY	SZ	33	169	EP		1723	22.85	-0.03							1.0
RCY	SE	33	169	ES		1723	26.91	0.04							1.0
SHBL	BZ	49	183	EP		1723	25.39	-0.04							1.0
SHBL	BE	49	183	ES		1723	31.29	-0.02							1.0
HWQ	SZ	57	17	EP		1723	26.70	0.06							1.0

August 9 2012 Hour: 18:9 34.7 Lat: 33.79N Lon: 35.76E 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	16	322	EP		18 9	37.27	-0.05	38						1.0
DQRL	SZ	20	243	EP		18 9	37.89	-0.00							1.0
DQRL	SE	20	243	ES		18 9	40.30	0.03							1.0
SHBL	BZ	49	182	EP		18 9	42.49	-0.04							1.0
SHBL	BN	49	182	ES		18 9	48.36	0.01							1.0
HWQ	SZ	57	17	EP		18 9	43.92	0.05							1.0

August 10 2012 Hour: 9:25 41.6 Lat: 33.93N Lon: 35.84E 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	17	260	EP		925	44.61	-0.04	38						1.0
DQRL	SZ	35	225	EP		925	47.42	0.00							1.0
DQRL	SE	35	225	ES		925	51.75	0.03							1.0
HWQ	SZ	40	14	EP		925	48.15	0.02							1.0
RCY	SZ	48	180	EP		925	49.43	-0.04							1.0
RCY	SE	48	180	ES		925	55.30	0.01							1.0

August 10 2012 Hour: 10:24 30.8 Lat: 33.86N Lon: 35.82E Depth: 2 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	16	287	EP		1024	33.42	-0.05	38						1.0
DQRL	SZ	29	233	EP		1024	35.62	0.09							1.0
DQRL	SN	29	233	ES		1024	39.02	0.00							1.0
RCY	SZ	41	178	EP		1024	37.46	0.04							1.0
RCY	SN	41	178	ES		1024	42.35	0.05							1.0
HWQ	SZ	48	14	EP		1024	38.53	0.01							1.0
SHBL	BZ	58	187	EP		1024	40.05	-0.08							1.0
SHBL	BN	58	187	ES		1024	46.94	-0.07							1.0

August 10 2012 Hour: 12:52 47.1 Lat: 33.80N Lon: 35.76E Depth: 6 Agency: REL Local
Magnitudes: 3.0MC 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	15	321	EP		1252	49.90	0.07	59						1.0
BHL	BE	15	321	ES		1252	51.86	-0.01							1.0
DQRL	SZ	20	240	EP		1252	50.58	0.05							1.0
DQRL	SN	20	240	ES		1252	53.08	-0.01							1.0
BEYL	BZ	26	289	EP		1252	51.29	-0.10							1.0
RCY	SZ	34	168	EP		1252	52.57	-0.12							1.0
RCY	SE	34	168	ES		1252	56.88	0.03							1.0
SHBL	BZ	50	182	EP		1252	55.21	0.03							1.0
SHBL	BE	50	182	ES		1253	1.15	-0.03							1.0
HWQ	SZ	56	18	EP		1252	56.22	0.00							1.0

August 10 2012 Hour: 18:23 7.9 Lat: 33.65N Lon: 35.24E Depth: 3 Agency: REL Local
Magnitudes: 2.5MC REL Rms: 0.0 secs

OFFSHORE CENTRAL LEBANON

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ	32	78	EP		1823	13.18	0.10	31						1.0
DQRL	SE	32	78	ES		1823	16.85	-0.03							1.0
BHL	BZ	48	54	EP		1823	15.65	-0.05							1.0
SHBL	BZ	58	125	EP		1823	17.26	-0.03							1.0
SHBL	BE	58	125	ES		1823	24.18	-0.03							1.0
RCY	SZ	58	107	EP		1823	17.36	0.01							1.0
RCY	SN	58	107	ES		1823	24.35	0.03							1.0

August 11 2012 Hour: 1:48 56.7 Lat: 33.38N Lon: 35.63E Depth: 14 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
SHBL	BZ	11	106	EP		148	59.78	-0.02							1.0
SHBL	BN	11	106	ES		149	2.08	0.01							1.0
RCY	SZ	23	55	EP		149	1.28	0.02	28						1.0
RCY	SN	23	55	ES		149	4.58	-0.01							1.0
DQRL	SZ	37	351	EP		149	3.18	-0.00							1.0

August 11 2012 Hour: 12:23 18.0

Agency: REL Distant

EMSC OT=12:23:18.0 38.41N 46.81E 10Km M=6.4 IRAN

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ			EP		1225	37.95								
BHL	BZ			EP		1225	42.92								
RCY	SZ			EP		1225	44.51								
DQRL	SZ			EP		1225	45.68								
QRWL	SZ			EP		1225	45.41								

August 11 2012 Hour: 12:34 36.0

Agency: REL Distant

EMSC OT=12:34:36.0 38.48N 46.75E 10Km M=6.3 IRAN

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ			EP		1236	56.34								
BHL	BZ			EP		1237	0.47								
RCY	SZ			EP		1237	1.91								
DQRL	SZ			EP		1237	3.35								
QRWL	SZ			EP		1237	3.44								

August 11 2012 Hour: 17: 3 2.8

Lat: 33.79N

Lon: 35.78E

Depth: 3

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	17	319	EP		17 3	5.68	0.02	46						1.0
DQRL	SZ	21	245	EP		17 3	6.27	0.01							1.0
QRWL	SZ	28	198	EP		17 3	7.32	-0.03							1.0
QRWL	SN	28	198	ES		17 3	10.68	-0.04							1.0
RCY	SZ	33	170	EP		17 3	8.19	0.06							1.0
RCY	SN	33	170	ES		17 3	12.07	-0.01							1.0
SHBL	BZ	49	183	EP		17 3	10.63	-0.07							1.0
SHBL	BN	49	183	ES		17 3	16.59	0.05							1.0
HWQ	SZ	57	16	EP		17 3	11.96	-0.02							1.0

August 11 2012 Hour: 22:24 4.0

Agency: REL Distant

EMSC OT=22:24:04.0 38.54N 46.73E 10Km M=5.1 IRAN

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EP		2226	28.68								
QRWL	SZ			EP		2226	30.37								
DQRL	SZ			EP		2226	31.18								
SHBL	BZ			EP		2226	32.14								

August 12 2012 Hour: 10:47 5.0

Agency: REL Distant

EMSC OT=10:47:05.0 35.76N 82.68E 2Km M=6.2 XINJIANG-XIZANG

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EP		1054	27.65								
SHBL	BZ			EP		1054	28.44								

August 12 2012 Hour: 12:44 51.1

Lat: 33.78N

Lon: 35.79E

Depth: 0

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	18	316	EP		1244	54.01	-0.07	32						1.0
BHL	BN	18	316	ES		1244	56.30	0.02							1.0
DQRL	SZ	22	247	EP		1244	54.75	0.03							1.0
RCY	SZ	32	173	EP		1244	56.36	0.05							1.0
RCY	SN	32	173	ES		1245	0.11	-0.05							1.0
HWQ	SZ	57	15	EP		1245	0.25	0.02							1.0

August 12 2012 Hour: 18:21 28.0

Lat: 33.58N

Lon: 35.61E

Depth: 11

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	8	113	EP		1821	30.41	0.05							1.0
QRWL	SN	8	113	ES		1821	32.12	0.02							1.0
DQRL	SZ	15	347	EP		1821	31.19	0.04	34						1.0
DQRL	SE	15	347	ES		1821	33.48	0.01							1.0
SHBL	BZ	28	153	EP		1821	32.94	-0.07							1.0
SHBL	BN	28	153	ES		1821	36.69	-0.02							1.0
BHL	BZ	37	7	EP		1821	34.23	-0.05							1.0
BHL	BE	37	7	ES		1821	38.90	-0.03							1.0

August 13 2012 Hour: 1:5 0.0

Agency: REL Local

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ			EP		1 6	3.87								
RCY	SZ			EP		1 6	7.40								

August 13 2012 Hour: 1:49 36.8

Lat: 33.32N

Lon: 35.67E

Depth: 19

Agency: REL Local

Magnitudes: 2.4MC REL

Rms: 0.0 secs

MOUNT HERMON REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	BZ	8	68	EP		149	40.34	0.00							1.0
SHBL	BN	8	68	ES		149	42.97	0.00							1.0
RCY	SZ	25	39	EP		149	41.91	0.00	26						1.0
RCY	SN	25	39	ES		149	45.70	-0.00							1.0
DQRL	SZ	43	348	EP		149	44.33	-0.00							1.0

August 13 2012 Hour: 13:58 53.1

Lat: 33.38N

Lon: 35.45E

Depth: 0

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	28	49	EP		1358	57.63	-0.01	36						1.0
QRWL	SN	28	49	ES		1359	1.01	0.02							1.0
DQRL	SZ	38	17	EP		1358	59.15	-0.00							1.0
DQRL	SN	38	17	ES		1359	3.62	-0.01							1.0
RCY	SZ	38	70	EP		1358	59.21	0.02							1.0
RCY	SE	38	70	ES		1359	3.67	-0.03							1.0
BHL	BZ	61	18	EP		1359	2.90	-0.02							1.0
HWQ	SZ	109	25	EP		1359	10.76	0.02							1.0

August 13 2012 Hour: 15:38 45.4

Lat: 33.78N

Lon: 35.81E

Depth: 0

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	20	313	EP		1538	48.64	-0.01	25						1.0
DQRL	SZ	24	250	EP		1538	49.30	0.02							1.0
DQRL	SN	24	250	ES		1538	52.15	-0.01							1.0
RCY	SZ	32	176	EP		1538	50.53	0.03							1.0
RCY	SE	32	176	ES		1538	54.24	-0.03							1.0
HWQ	SZ	57	12	EP		1538	54.51	-0.00							1.0

August 13 2012 Hour: 16:0 35.6

Lat: 33.83N

Lon: 35.72E

Depth: 25

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	325	EP		16 0	40.07	0.03	41						1.0
BHL	BN	10	325	ES		16 0	43.24	-0.09							1.0
DQRL	SZ	19	225	EP		16 0	40.80	0.11							1.0
DQRL	SN	19	225	ES		16 0	44.48	0.01							1.0
RCY	SZ	38	163	EP		16 0	42.86	-0.00							1.0
RCY	SE	38	163	ES		16 0	48.27	0.03							1.0
HWQ	SZ	54	23	EP		16 0	44.97	0.03							1.0

August 13 2012 Hour: 17:37 35.6

Lat: 33.81N

Lon: 35.77E

Depth: 15

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	15	314	EP		1737	39.11	-0.02	47						1.0
BHL	BN	15	314	ES		1737	41.74	-0.03							1.0
DQRL	SZ	22	239	EP		1737	39.88	-0.04							1.0
DQRL	SN	22	239	ES		1737	43.16	0.00							1.0
BEYL	BZ	27	285	EP		1737	40.62	0.12							1.0
RCY	SZ	35	170	EP		1737	41.83	0.07							1.0
RCY	SE	35	170	ES		1737	46.40	0.05							1.0
HWQ	SZ	55	17	EP		1737	44.58	-0.01							1.0

August 14 2012 Hour: 2:59 40.0 Agency: REL Distant

EMSC OT=02:59:40.0 49.84N 145.06E 611Km M=7.7 SEA OF OKHOTSK

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ			EP		310	23.91								
BHL	BZ			EP		310	26.45								
BEYL	BZ			EP		310	26.85								
DQRL	SZ			EP		310	27.92								
RCY	SZ			EP		310	28.08								
QRWL	SZ			EP		310	28.16								
SHBL	BZ			EP		310	29.11								

August 14 2012 Hour: 7:55 2.9 Lat: 34.03N Lon: 35.71E Depth: 1 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.0 secs

KESROUANE

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	15	201	EP		755	5.29-0.03	37							1.0
BHL	BN	15	201	ES		755	7.16 0.02								1.0
HWQ	SZ	35	38	EP		755	8.48-0.03								1.0
HWQ	SN	35	38	ES		755	12.70 0.01								1.0
DQRL	SZ	38	200	EP		755	9.06-0.00								1.0
RCY	SZ	60	169	EP		755	12.67 0.06								1.0
RCY	SE	60	169	ES		755	19.78-0.04								1.0

August 14 2012 Hour: 11:33 47.8 Lat: 33.88N Lon: 35.83E Depth: 4 Agency: REL Local
Magnitudes: 2.3MC 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	281	EP		1133	50.58-0.05	24							1.0
DQRL	SZ	31	233	EP		1133	52.79-0.01								1.0
DQRL	SN	31	233	ES		1133	56.59 0.05								1.0
RCY	SZ	42	180	EP		1133	54.54-0.04								1.0
RCY	SN	42	180	ES		1133	59.65 0.02								1.0
HWQ	SZ	46	13	EP		1133	55.26 0.04								1.0

August 14 2012 Hour: 12:17 28.0 Lat: 33.78N Lon: 35.76E Depth: 0 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	323	EP		1217	30.72-0.03	30							1.0
DQRL	SZ	20	245	EP		1217	31.23-0.01								1.0
DQRL	SN	20	245	ES		1217	33.65 0.02								1.0
RCY	SZ	32	168	EP		1217	33.25-0.00								1.0
RCY	SE	32	168	ES		1217	37.12-0.01								1.0
HWQ	SZ	57	17	EP		1217	37.30 0.03								1.0

August 14 2012 Hour: 12:43 0.0 Agency: REL Local

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ			EP		1244	5.85								
SHBL	BZ			EP		1244	3.16								

August 14 2012 Hour: 12:44 48.0 Agency: REL Regional

EMSC OT=12:44:48.0 37.18N 30.97E 105Km M=3.7 TURKEY

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ			EP		1246	0.01								
RCY	SZ			EP		1246	5.60								
SHBL	BZ			EP		1246	6.30								

August 14 2012 Hour: 14: 2 26.0

Agency: REL Distant

EMSC OT=14:02:26.0 38.43N 46.83E 10Km M=5.1 IRAN

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ			EP		14 4	47.05								
BHL	BZ			EP		14 4	51.86								
RCY	SZ			EP		14 4	53.43								
DQRL	SZ			EP		14 4	54.11								
QRWL	SZ			EP		14 4	55.27								
SHBL	BZ			EP		14 4	54.96								

August 14 2012 Hour: 17:14 10.0 Lat: 33.78N Lon: 35.76E Depth: 1 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	324	EP		1714	12.63	-0.06	36						1.0
DQRL	SZ	20	244	EP		1714	13.22	0.05							1.0
DQRL	SN	20	244	ES		1714	15.52	0.00							1.0
BEYL	BZ	26	292	EP		1714	14.34	0.08							0.2
RCY	SZ	33	167	EP		1714	15.27	-0.02							1.0
RCY	SN	33	167	ES		1714	19.24	0.03							1.0
SHBL	BZ	48	182	EP		1714	17.76	-0.05							1.0
SHBL	BN	48	182	ES		1714	23.59	-0.00							1.0
HWQ	SZ	58	18	EP		1714	19.32	0.04							1.0

August 15 2012 Hour: 3: 8 1.4 Lat: 33.81N Lon: 35.82E Depth: 0 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	19	304	EP		3 8	4.44	0.00	28						1.0
BHL	BN	19	304	ES		3 8	6.69	-0.01							1.0
DQRL	SZ	26	244	EP		3 8	5.67	0.06							1.0
DQRL	SN	26	244	ES		3 8	8.69	-0.03							1.0
RCY	SZ	35	178	EP		3 8	6.98	-0.01							1.0
RCY	SN	35	178	ES		3 8	11.13	-0.00							1.0
SHBL	BZ	52	188	EP		3 8	9.72	-0.00							1.0
SHBL	BN	52	188	ES		3 8	15.89	0.00							1.0
HWQ	SZ	53	12	EP		3 8	9.97	-0.01							1.0

August 15 2012 Hour: 10:14 51.8 Lat: 33.54N Lon: 35.74E 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
RCY	SZ	11	119	EP		1014	53.55	-0.01	24						1.0
SHBL	BZ	22	178	EP		1014	55.34	0.03							1.0
SHBL	BN	22	178	ES		1014	57.88	-0.02							1.0
DQRL	SZ	24	320	EP		1014	55.65	0.01							1.0
DQRL	SN	24	320	ES		1014	58.46	-0.01							1.0

August 15 2012 Hour: 15:29 49.2 Lat: 33.65N Lon: 35.54E 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
DQRL	SZ	7	19	EP		1529	51.22	-0.02	38						1.0
DQRL	SE	7	19	ES		1529	52.79	0.02							1.0
BHL	BZ	30	19	EP		1529	54.34	-0.03							1.0
RCY	SZ	32	122	EP		1529	54.61	0.02							1.0
RCY	SN	32	122	ES		1529	58.57	-0.03							1.0
SHBL	BZ	38	151	EP		1529	55.51	-0.03							1.0
SHBL	BN	38	151	ES		1530	0.28	0.02							1.0
HWQ	SZ	79	28	EP		1530	2.11	0.03							1.0

August 15 2012 Hour: 17:49 6.0 Agency: REL Distant
EMSC OT=17:49:06.0 38.52N 46.77E 10Km M=5.1 IRAN
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 HWQ SZ EP 1751 27.63
 BHL BZ EP 1751 29.24
 DQRL SZ EP 1751 34.97
 RCY SZ EP 1751 33.83
 QRWL SZ EP 1751 35.48
 SHBL BZ EP 1751 35.48

August 16 2012 Hour: 17:14 16.0 Agency: REL Distant
EMSC OT=17:14:16.0 38.49N 46.84E 20Km M=4.6 IRAN
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 RCY SZ EP 1716 40.73
 DQRL SZ EP 1716 42.14
 SHBL BZ EP 1716 42.29

August 16 2012 Hour: 22:36 3.6 Lat: 33.92N Lon: 34.54E Depth: 22 Agency: REL Local
Magnitudes: 3.2MC REL Rms: 0.2 secs
OFFSHORE CENTRAL LEBANON

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEYL	BZ	88	94	EP		2236	17.54	-0.03							0.2
DQRL	SZ	98	104	EP		2236	19.09	-0.01							1.0
DQRL	SN	98	104	ES		2236	30.49	-0.07							1.0
BHL	BZ	103	91	EP		2236	19.77	-0.01	73						1.0
QRWL	SZ	113	111	EP		2236	21.51	0.17							1.0
SHBL	BZ	128	120	EP		2236	23.69	0.14							1.0
RCY	SN	129	111	ES		2236	38.54	0.11							1.0
RCY	SZ	129	111	EP		2236	23.69	0.07							1.0
HWQ	SZ	135	73	EP		2236	24.51	0.09							1.0
HWQ	SN	135	73	ES		2236	39.87	0.04							1.0

August 17 2012 Hour: 4:44 33.2 Agency: REL Regional
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 HWQ SZ EP 452 23.40
 RCY SZ EP 452 29.06
 SHBL BZ EP 452 30.41

August 18 2012 Hour: 2:47 39.7 Lat: 33.81N Lon: 35.85E Depth: 2 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	21	300	EP		247	42.99	-0.05	53						1.0
BHL	BE	21	300	ES		247	45.50	-0.02							1.0
DQRL	SZ	28	245	EP		247	44.35	0.07							1.0
DQRL	SE	28	245	ES		247	47.70	0.02							1.0
QRWL	SZ	33	208	EP		247	45.15	0.09							1.0
QRWL	SN	33	208	ES		247	48.99	-0.05							1.0
RCY	SZ	35	182	EP		247	45.35	-0.03							1.0
RCY	SN	35	182	ES		247	49.60	0.01							1.0
SHBL	BZ	52	191	EP		247	48.19	0.03							1.0
SHBL	BN	52	191	ES		247	54.44	0.01							1.0
HWQ	SZ	52	10	EP		247	48.17	0.02							1.0

August 18 2012 Hour: 9:41 52.0 Agency: REL Distant
EMSC OT=09:41:52.0 1.28S 120.15E 10Km M=6.3 INDONESIA
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 SHBL BZ EP 954 33.96
 BHL BZ EP 954 34.33
 RCY SZ EP 954 35.14

August 18 2012 Hour: 17:45 2.0 Agency: REL Distant
EMSC OT=17:45:02.0 15.53S 173.08W 10Km M=5.7 TONGA
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 BHL BZ EP 18 4 45.45
 SHBL BZ EP 18 4 46.14
 DQRL SZ EP 18 4 49.24

August 21 2012 Hour: 3:51 11.4 Lat: 33.42N Lon: 35.39E Depth: 0 Agency: REL Local
 Magnitudes: 3.0MC REL Rms: 0.1 secs
SAIDA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	BZ	34	104	EP		351	16.92	-0.04							1.0
SHBL	BN	34	104	ES		351	21.08	0.03							1.0
DQRL	SZ	36	28	EP		351	17.15	-0.07	56						1.0
DQRL	SN	36	28	ES		351	21.47	-0.02							1.0
BHL	BZ	59	25	EP		351	20.97	0.02							1.0
HWQ	SZ	108	28	EP		351	28.98	0.09							1.0

August 22 2012 Hour: 3:37 31.3 Lat: 33.35N Lon: 35.27E Depth: 4 Agency: REL Local
 Magnitudes: 2.9MC REL Rms: 0.1 secs
SOUTH LEBANON

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	BZ	44	91	EP		337	38.41	-0.09							1.0
SHBL	BN	44	91	ES		337	43.89	0.05							1.0
DQRL	SZ	48	36	EP		337	39.15	0.07							1.0
DQRL	SE	48	36	ES		337	44.81	-0.05							1.0
BHL	BZ	71	30	EP		337	42.75	0.02	52						1.0
HWQ	SZ	120	31	EP		337	50.61	-0.00							1.0

August 22 2012 Hour: 21:11 10.0 Agency: REL Regional
EMSC OT=21:11:10.0 36.20N 36.18E 15Km M=3.1 TURKEY-SYRIA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ			EP		2111	42.39								
BHL	BZ			EP		2111	47.83								
DQRL	SZ			EP		2111	50.60								
SHBL	BZ			EP		2111	54.27								

August 22 2012 Hour: 22:51 0.5 Lat: 33.79N Lon: 35.76E 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	15	322	EP		2251	3.47	-0.02	41						1.0
BHL	BN	15	322	ES		2251	5.73	0.03							1.0
DQRL	SZ	20	240	EP		2251	4.10	-0.02							1.0
DQRL	SN	20	240	ES		2251	6.81	0.01							1.0
BEYL	BZ	26	289	EP		2251	4.89	-0.04							1.0
SHBL	BZ	50	181	EP		2251	8.63	-0.06							1.0
SHBL	BN	50	181	ES		*2251	14.78	0.03							0.0
HWQ	SZ	56	18	EP		2251	9.75	0.00							1.0

August 23 2012 Hour: 20:26 52.0 Lat: 33.81N Lon: 35.57E 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
BEYL	BZ	10	315	EP		2026	53.57	0.00							1.0
DQRL	SZ	11	179	EP		2026	53.79	-0.06							1.0
DQRL	SN	11	179	ES		2026	55.23	0.01							1.0
BHL	BZ	13	37	EP		2026	54.11	-0.03	35						1.0
BHL	BN	13	37	ES		2026	55.76	0.03							1.0
QRWL	SZ	31	160	EP		2026	56.93	-0.05							1.0
QRWL	SN	31	160	ES		2027	0.69	0.03							1.0
SHBL	BZ	54	162	EP		2027	0.74	0.09							1.0
SHBL	BN	54	162	ES		2027	7.04	-0.02							1.0

HWQ SZ 63 34 EP 2027 2.11-0.00 1.0

August 23 2012 Hour: 23: 8 40.4 Lat: 33.13N Lon: 35.64E Depth: 5 Agency: REL Local
Magnitudes: 3.0MC REL Rms: 0.0 secs

MOUNT HERMON REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	BZ	26	21	EP		23	8	44.69-0.05							1.0
SHBL	BN	26	21	ES		23	8	48.03 0.05							1.0
RCY	SZ	45	24	EP		23	8	47.69 0.04	58						1.0
RCY	SN	45	24	ES		23	8	53.02-0.03							1.0
DQRL	SZ	64	354	EP		23	8	50.73-0.07							1.0
DQRL	SN	64	354	ES		23	8	58.52-0.01							1.0
BEYL	BZ	84	351	EP		23	8	53.95 0.07							1.0
BHL	BZ	86	1	EP		23	8	54.29 0.01							1.0
HWQ	SZ	131	12	EP		23	9	1.13 0.00							1.0

August 24 2012 Hour: 0:25 0.0 Agency: REL Local

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	BZ			EP		025		56.98							
DQRL	SZ			EP		025		57.57							

August 24 2012 Hour: 5:35 5.4 Lat: 33.06N Lon: 35.43E Depth: 0 Agency: REL Local
Magnitudes: 3.3MC REL Rms: 0.1 secs

SOUTH LEBANON

Earthquake was felt

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	BZ	43	43	EP		535		12.40 0.03							1.0
SHBL	BN	43	43	ES		535		17.51-0.00							1.0
QRWL	SZ	59	24	EP		535		14.79-0.08							1.0
QRWL	SN	59	24	ES		535		21.88 0.03							1.0
RCY	SZ	61	38	EP		535		15.20-0.08							1.0
RCY	SN	61	38	ES		535		22.53-0.04							1.0
DQRL	SZ	72	10	EP		535		17.03-0.06	83						1.0
DQRL	SE	72	10	ES		535		25.67-0.04							1.0
BEYL	BZ	90	4	EP		535		19.93 0.04							0.2
BHL	BZ	95	13	EP		535		20.90 0.08							1.0
HWQ	SZ	143	20	EP		535		28.40 0.03							1.0
HWQ	SE	143	20	ES		535		45.41 0.07							1.0

August 24 2012 Hour: 10: 1 54.0 Agency: REL Distant
EMSC OT=10:01:54.0 33.39S 179.46W 40Km M=5.7 KERMADEC ISLANDS

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ			EP		1021		42.13							
BHL	BZ			EP		1021		42.54							
DQRL	SZ			EP		1021		42.78							

August 24 2012 Hour: 17:23 0.0 Agency: REL Local

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ			EP		1724		17.01							
SHBL	BZ			EP		1724		13.74							

August 24 2012 Hour: 22:39 47.4 Lat: 33.81N Lon: 35.57E Depth: 3 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
BEYL	BZ	10	316	EP		2239		49.07 0.02							1.0
DQRL	SZ	11	179	EP		2239		49.30-0.01	30						1.0
DQRL	SN	11	179	ES		2239		50.72-0.02							1.0
BHL	BZ	13	37	EP		2239		49.60-0.02							1.0
BHL	BN	13	37	ES		2239		51.31 0.02							1.0
SHBL	BZ	54	162	EP		2239		56.01-0.02							1.0
SHBL	BN	54	162	ES		2240		2.47 0.04							1.0
HWQ	SZ	63	34	EP		2239		57.51-0.01							1.0

August 25 2012 Hour: 1:18 0.0 Agency: REL Local
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 DQRL SZ EP 119 7.78
 SHBL BZ EP 119 2.86

August 25 2012 Hour: 2:42 18.5 Lat: 33.07N Lon: 35.48E Depth: 0 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.0 secs

SOUTH LEBANON

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	58	35	EP		242	27.71	-0.08	37						1.0
RCY	SN	58	35	ES		242	34.73	0.04							1.0
DQRL	SZ	71	7	EP		242	29.92	0.01							1.0
DQRL	SN	71	7	ES		242	38.35	-0.04							1.0
BHL	BZ	94	10	EP		242	33.67	0.06							1.0
HWQ	SZ	141	18	EP		242	41.10	0.00							1.0

August 25 2012 Hour: 14:16 15.0 Agency: REL Distant
EMSC OT=14:16:15.0 42.50N 142.94E 40Km M=5.9 HOKKAIDO, JAPAN

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EP		1428	15.77								
RCY	SZ			EP		1428	16.75								
DQRL	SZ			EP		1428	17.09								
SHBL	BZ			EP		1428	17.90								

August 25 2012 Hour: 15:48 18.5 Lat: 33.35N Lon: 35.29E Depth: 3 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.0 secs

SOUTH LEBANON

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	BZ	42	91	EP		1548	25.39	0.03							1.0
SHBL	BN	42	91	ES		1548	30.43	-0.02							1.0
DQRL	SZ	47	34	EP		1548	26.07	-0.02	40						1.0
DQRL	SN	47	34	ES		1548	31.78	0.06							1.0
BHL	BZ	70	29	EP		1548	29.73	-0.04							1.0
BHL	BN	70	29	ES		1548	38.06	-0.05							1.0
HWQ	SZ	119	31	EP		1548	37.77	0.04							1.0

August 25 2012 Hour: 20:22 12.4 Lat: 33.09N Lon: 35.39E Depth: 7 Agency: REL Local
Magnitudes: 3.1MC REL Rms: 0.0 secs

SOUTH LEBANON

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	BZ	43	49	EP		2022	19.59	0.06							1.0
SHBL	BN	43	49	ES		2022	24.77	-0.04							1.0
RCY	SZ	61	42	EP		2022	22.34	0.01	65						1.0
RCY	SN	61	42	ES		2022	29.69	0.00							1.0
DQRL	SZ	70	14	EP		2022	23.69	-0.09							1.0
DQRL	SN	70	14	ES		2022	32.25	0.04							1.0
BHL	BZ	93	15	EP		2022	27.54	0.03							1.0
HWQ	SZ	141	21	EP		2022	34.62	-0.00							1.0

August 26 2012 Hour: 15: 5 37.0 Agency: REL Distant
EMSC OT=15:05:37.0 2.24N 126.87E 80Km M=6.6 MOLUCCA SEA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EP		1518	26.66								
SHBL	BZ			EP		1518	27.04								

August 26 2012 Hour: 15:44 2.2 Lat: 33.70N Lon: 35.02E Depth: 90 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.1 secs

OFFSHORE CENTRAL LEBANON

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ	51	89	EP		1544	16.17	0.00							1.0
DQRL	SN	51	89	ES		1544	26.46	-0.02							1.0
BHL	BZ	63	69	EP		1544	17.06	0.05							1.0
SHBL	BZ	78	120	EP		1544	18.07	-0.16							1.0

SHBL	BN	78	120	ES	1544	30.13	0.06										1.0
RCY	SZ	79	106	EP	1544	18.48	0.14	41									1.0
RCY	SE	79	106	ES	1544	30.20	-0.05										1.0
HWQ	SZ	107	53	EP	1544	20.87	-0.03										1.0

August 27 2012 Hour: 12:38 15.4 Lat: 33.31N Lon: 35.48E Depth: 5 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.1 secs

SOUTH LEBANON

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	BZ	25	82	EP		1238	19.66	0.04							1.0
SHBL	BN	25	82	ES		1238	22.75	0.04							1.0
RCY	SZ	39	59	EP		1238	21.66	-0.14							1.0
RCY	SN	39	59	ES		1238	26.51	-0.00							1.0
DQRL	SZ	44	11	EP		1238	22.67	0.04	40						1.0
BHL	BZ	67	14	EP		1238	26.30	-0.05							0.2
HWQ	BZ	115	22	EP		1238	34.01	0.02							1.0

August 27 2012 Hour: 13:34 47.2 Lat: 33.79N Lon: 35.77E 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	17	320	EP		1334	50.16	0.05	42						1.0
BHL	BN	17	320	ES		1334	52.25	0.00							1.0
DQRL	SZ	21	244	EP		1334	50.68	-0.03							1.0
DQRL	SN	21	244	ES		1334	53.28	-0.01							1.0
RCY	SZ	33	170	EP		1334	52.61	-0.01							1.0
RCY	SN	33	170	ES		1334	56.62	0.00							1.0
HWQ	SZ	57	16	EP		1334	56.40	-0.03							1.0

August 28 2012 Hour: 3:29 4.2 Lat: 33.60N Lon: 35.54E Depth: 1 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
DQRL	SZ	13	12	EP		329	6.24	0.02							1.0
DQRL	SE	13	12	ES		329	7.73	-0.00							1.0
RCY	SZ	29	112	EP		329	8.94	0.01	35						1.0
RCY	SN	29	112	ES		329	12.45	-0.01							1.0
BHL	BZ	36	17	EP		329	9.89	-0.06							1.0
HWQ	BZ	84	26	EP		329	17.84	0.05							1.0

August 28 2012 Hour: 10:11 0.0 Agency: REL Local

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ			EP		1012	8.36								
HWQ	BZ			EP		1012	9.26								

August 28 2012 Hour: 12:38 54.8 Lat: 33.56N Lon: 35.78E Depth: 13 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
RCY	SZ	9	145	EP		1238	57.60	0.00	35						1.0
RCY	SE	9	145	ES		1238	59.69	-0.00							1.0
SHBL	BZ	24	189	EP		1238	59.33	0.00							1.0
SHBL	BE	24	189	ES		1239	2.70	-0.00							1.0
DQRL	SZ	26	309	EP		1238	59.53	0.00							1.0
DQRL	SN	26	309	ES		1239	3.05	-0.00							1.0

August 28 2012 Hour: 16:30 40.5 Lat: 33.09N Lon: 35.41E Depth: 0 Agency: REL Local
Magnitudes: 3.1MC REL Rms: 0.1 secs

SOUTH LEBANON

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSDI	BZ	26	63	EP		1630	44.73	0.08							1.0
QRWL	SZ	57	26	EP		1630	49.69	0.02							1.0
QRWL	SN	57	26	ES		1630	56.41	-0.07							1.0
RCY	SZ	60	41	EP		1630	50.06	-0.14							1.0

RCY	SN	60	41	ES	1630	57.43	0.03									1.0
DQRL	SZ	70	12	EP	1630	51.80	0.00	65								1.0
DQRL	SE	70	12	ES	1631	0.20	0.03									1.0
BEYL	BZ	87	5	EP	1630	54.68	0.12									0.2
BHL	BZ	93	14	EP	1630	55.51	-0.03									1.0
BHL	BN	93	14	ES	1631	6.72	0.03									1.0
HWQ	SZ	141	21	EP	1631	3.21	0.05									1.0

August 29 2012 Hour: 22:57 57.3 Lat: 33.31N Lon: 35.44E Depth: 3 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.0 secs

SOUTH LEBANON

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	34	41	EP		2258	2.80	-0.04							1.0
QRWL	SN	34	41	ES		2258	6.97	0.01							1.0
RCY	SZ	42	61	EP		2258	4.09	0.03	41						1.0
RCY	SN	42	61	ES		2258	9.08	-0.01							1.0
DQRL	SZ	45	15	EP		2258	4.59	0.01							1.0
DQRL	SN	45	15	ES		2258	9.99	0.00							1.0
BHL	BZ	68	17	EP		2258	8.32	-0.00							1.0
HWQ	BZ	117	23	EP		2258	16.10	-0.00							1.0

August 30 2012 Hour: 0:38 28.1 Lat: 33.28N Lon: 35.41E Depth: 3 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.0 secs

SOUTH LEBANON

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	39	41	EP		038	34.33	-0.09							1.0
QRWL	SN	39	41	ES		038	39.07	-0.00							1.0
RCY	SZ	46	59	EP		038	35.65	0.04	40						1.0
RCY	SN	46	59	ES		038	41.17	0.02							1.0
DQRL	SZ	49	18	EP		038	36.11	0.02							1.0
BEYL	BZ	66	7	EP		038	38.77	0.03							1.0
BHL	BZ	73	18	EP		038	39.83	-0.01							1.0
HWQ	BZ	121	24	EP		038	47.66	-0.00							1.0

August 30 2012 Hour: 13:43 23.0 Agency: REL Distant
EMSC OT=13:43:23.0 71.52N 10.61W 2Km M=6.7 JAN MAYEN ISLAND

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	BZ			EP		1351	35.31								
BHL	BZ			EP		1351	37.79								
SHBL	BZ			EP		1351	43.41								

August 30 2012 Hour: 14:28 17.9 Lat: 33.09N Lon: 35.48E Depth: 0 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.0 secs

SOUTH LEBANON

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	BZ	38	41	EP		1428	23.95	-0.02							1.0
SHBL	BN	38	41	ES		1428	28.49	0.01							1.0
RCY	SZ	56	37	EP		1428	26.92	0.02	42						1.0
RCY	SN	56	37	ES		1428	33.57	-0.01							1.0
DQRL	SZ	69	7	EP		1428	28.90	-0.05							1.0
BHL	BZ	92	10	EP		1428	32.70	0.05							1.0
HWQ	BZ	139	18	EP		1428	40.17	-0.00							1.0

August 30 2012 Hour: 15: 8 7.4 Lat: 33.79N Lon: 35.78E Depth: 0 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	316	EP		15 8	10.17	-0.01	28						1.0
DQRL	SZ	22	244	EP		15 8	10.91	-0.01							1.0
DQRL	SN	22	244	ES		15 8	13.56	0.01							1.0
RCY	SZ	33	172	EP		15 8	12.71	-0.00							1.0
RCY	SE	33	172	ES		15 8	16.66	-0.00							1.0
HWQ	BZ	56	15	EP		15 8	16.43	0.01							1.0

August 30 2012 Hour: 15:40 55.9 Lat: 33.78N Lon: 35.78E 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	18	318	EP		1540	59.01	-0.04	37						1.0
DQRL	SZ	22	246	EP		1540	59.60	-0.02							1.0
DQRL	SN	22	246	ES		1541	2.39	0.03							1.0
RCY	SZ	32	171	EP		1541	1.29	-0.01							1.0
RCY	SN	32	171	ES		1541	5.29	0.00							1.0
HWQ	SZ	57	15	EP		1541	5.19	0.04							1.0

August 31 2012 Hour: 11:40 36.4 Lat: 33.75N Lon: 36.38E Depth: 0 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.0 secs

DAMASCUS REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	58	241	EP		1140	45.68	-0.05	42						1.0
RCY	SE	58	241	ES		1140	52.63	0.01							1.0
BHL	BZ	69	285	EP		1140	47.59	-0.05							1.0
HWQ	BZ	71	326	EP		1140	47.98	0.05							1.0
HWQ	BN	71	326	ES		1140	56.41	-0.03							1.0
DQRL	SZ	75	267	EP		1140	48.62	0.05							1.0
DQRL	SE	75	267	ES		1140	57.55	0.01							1.0

August 31 2012 Hour: 12:47 32.0 Agency: REL Distant

EMSC OT=12:47:32.0 10.86N 126.68E 20Km M=7.6 PHILIPPINE

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ			EP		13 0	7.67								
BHL	BZ			EP		13 0	7.78								
QRWL	SZ			EP		13 0	8.08								
SHBL	BZ			EP		13 0	8.04								
DQRL	SZ			EP		13 0	8.44								
BEYL	BZ			EP		13 0	8.04								

August 31 2012 Hour: 18:23 22.0 Agency: REL Regional

EMSC OT=18:23:22.0 35.12N 33.75E 40Km M=2.8 CYPRUS REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	BZ			EP		1823	52.54								
RCY	SZ			EP		1823	57.64								

August 31 2012 Hour: 23:37 58.0 Agency: REL Distant

EMSC OT=23:37:58.0 10.43N 126.75E 40Km M=5.7 PHILIPPINE

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	BZ			EP		2350	29.61								
BHL	BZ			EP		2350	31.19								
BEYL	BZ			EP		2350	31.77								

Epicentral Map of Lebanon

AUGUST 2012

