

Republic of Lebanon
National Council for Scientific Research

Provisional Seismological Bulletin

from the

NATIONAL SEISMIC NETWORK

March

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
DWR	3323.13N	3524.08E	420	DWEIR	
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 ($0.5 \times (\text{peak to peak})$), (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.

March 1 2014 Hour: 3:52 52.7 Lat: 36.18N Lon: 35.58E Depth: 0 Agency: REL Regional
Magnitudes: 3.7MC REL Rms: 0.1 secs

TURKEY REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	214	171	EP		353	25.44	0.04	124						1.0
BHL	BZ	253	179	EP		353	30.19	-0.04							1.0
BHL	BN	253	179	ES		353	58.09	0.07							1.0
DQRL	SZ	275	180	EP		353	33.02	0.07							1.0
DQRL	SN	275	180	ES		354	2.78	0.03							1.0
QRWL	SZ	293	178	EP		353	35.07	-0.07							1.0
QRWL	SN	293	178	ES		354	6.45	-0.10							1.0

March 1 2014 Hour: 4:18 39.0 Lat: 32.30N Lon: 35.42E Depth: 7 Agency: REL Regional
Magnitudes: 3.4MC REL Rms: 0.1 secs

DEAD SEA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	138	16	EP		419	0.72	0.01	91						1.0
RCY	SN	138	16	ES		419	17.01	0.20							1.0
QRWL	SZ	140	10	EP		419	0.99	-0.01							1.0
DQRL	SZ	156	5	EP		419	3.46	0.10							1.0
BHL	BZ	179	7	EP		419	6.45	-0.11							1.0
HWQ	SZ	225	13	EP		419	12.33	0.09							1.0
HWQ	SE	225	13	ES		419	36.69	-0.18							1.0

March 1 2014 Hour: 10:36 46.9 Lat: 33.40N Lon: 35.65E 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
SHBL	BZ	10	123	EP		1036	48.54	-0.00							1.0
SHBL	BN	10	123	ES		1036	49.74	-0.00							1.0
QRWL	SZ	17	9	EP		1036	49.59	-0.04	31						1.0
RCY	SZ	20	57	EP		1036	50.16	-0.00							1.0
RCY	SN	20	57	ES		1036	52.58	0.01							1.0
DQRL	SZ	35	347	EP		1036	52.61	0.04							1.0

March 1 2014 Hour: 11:45 32.9 Lat: 33.50N Lon: 35.68E Depth: 0 Agency: REL Local
Magnitudes: 2.2MC REL Rms: 0.0 secs

MOUNT HERMON REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	5	359	EP		1145	33.74	-0.06	21						1.0
QRWL	SE	5	359	ES		1145	34.46	0.03							1.0
RCY	SZ	14	92	EP		1145	35.28	0.03							1.0
RCY	SE	14	92	ES		1145	36.94	-0.01							1.0
DQRL	SZ	25	335	EP		1145	37.01	0.02							1.0

March 1 2014 Hour: 14: 8 37.0 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	17	320	EP		14 8	39.79	-0.04	41						1.0
BHL	BE	17	320	ES		14 8	41.91	-0.01							1.0
DQRL	SZ	21	246	EP		14 8	40.45	0.08							1.0
QRWL	SZ	28	198	EP		14 8	41.34	-0.11							1.0
RCY	SZ	32	170	EP		14 8	42.32	0.10							1.0
RCY	SN	32	170	ES		14 8	46.05	-0.03							1.0
HWQ	SZ	57	16	EP		14 8	46.24	0.01							1.0

March 1 2014 Hour: 14:36 18.7 Lat: 33.76N Lon: 35.29E Depth: 32 Agency: REL Local
Magnitudes: 2.4MC 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	27	104	EP		1436	25.21	-0.07							1.0
DQRL	SE	27	104	ES		1436	30.22	0.04							1.0
BHL	BZ	37	65	EP		1436	26.44	0.07	26						1.0
BHL	BN	37	65	ES		1436	32.04	-0.04							1.0
QRWL	SZ	44	123	EP		1436	27.11	0.00							1.0

March 1 2014 Hour: 14:43 15.2 Lat: 33.79N 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	18	316	EP		1443	18.29	-0.01	37						1.0
BHL	BN	18	316	ES		1443	20.63	0.02							1.0
DQRL	SZ	23	247	EP		1443	18.93	-0.02							1.0
DQRL	SN	23	247	ES		1443	21.73	0.00							1.0
RCY	SZ	32	173	EP		1443	20.50	-0.01							1.0
RCY	SN	32	173	ES		1443	24.45	0.00							1.0

March 1 2014 Hour: 15: 2 46.5 Lat: 33.78N Lon: 35.82E 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	20	311	EP		15 2	49.83	-0.01	45						1.0
DQRL	SZ	25	249	EP		15 2	50.48	-0.04							1.0
DQRL	SN	25	249	ES		15 2	53.53	0.03							1.0
RCY	SZ	32	177	EP		15 2	51.72	0.02							1.0
RCY	SN	32	177	ES		15 2	55.54	-0.01							1.0
HWQ	SZ	56	12	EP		15 2	55.59	0.01							1.0

March 2 2014 Hour: 4:25 57.0 Agency: REL Regional
EMSC OT=04:25:57.0 36.79N 35.18E 7Km M=4.4 CENTRAL TURKEY

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EP		426	44.96								
DQRL	SZ			EP		426	47.24								
QRWL	SZ			EP		426	49.83								
RCY	SZ			EP		426	51.05								

March 2 2014 Hour: 5: 5 52.2 Lat: 33.79N Lon: 35.89E Depth: 13 Agency: REL Local
Magnitudes: 2.9MC 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	25	299	EP		5 5	56.82	-0.01	49						1.0
DQRL	SZ	31	251	EP		5 5	57.63	-0.09							1.0
DQRL	SN	31	251	ES		5 6	1.82	0.02							1.0
QRWL	SZ	33	215	EP		5 5	57.96	-0.11							1.0
QRWL	SN	33	215	ES		5 6	2.44	0.03							1.0
RCY	SZ	33	188	EP		5 5	58.16	0.03							1.0
RCY	SN	33	188	ES		5 6	2.54	0.03							1.0
BEYL	BZ	37	283	EP		5 5	58.71	0.09							1.0
HWQ	SZ	54	6	EP		5 6	1.24	0.09							0.2

March 2 2014 Hour: 12:41 34.4 Lat: 33.44N Lon: 35.61E Depth: 0 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
QRWL	SZ	14	30	EP		1241	36.60	-0.07	26						1.0
QRWL	SN	14	30	ES		1241	38.34	-0.00							1.0
RCY	SZ	22	73	EP		1241	37.99	0.00							1.0
RCY	SN	22	73	ES		1241	40.65	0.01							1.0
DQRL	SZ	30	353	EP		1241	39.19	-0.04							1.0

BHL BZ 52 5 EP 1241 42.86 0.09 1.0

March 2 2014 Hour: 13:56 46.0 Lat: 33.46N Lon: 35.68E Depth: 0 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
QRWL	SZ	9	0	EP		1356	47.46	-0.02	28						1.0
QRWL	SN	9	0	ES		1356	48.60	-0.00							1.0
RCY	SZ	15	75	EP		1356	48.36	0.01							1.0
RCY	SN	15	75	ES		1356	50.12	-0.00							1.0
DQRL	SZ	29	339	EP		1356	50.62	0.01							1.0

March 2 2014 Hour: 20:11 22.0 Agency: REL Distant

EMSC OT=20:11:22.0 27.47N 127.32E 110Km M=6.5 RYUKYU ISLANDS

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	BZ			EP		2022	58.06								
BHL	BZ			EP		2023	0.19								
BEYL	BZ			EP		2023	0.51								
RCY	SZ			EP		2023	0.82								
DQRL	SZ			EP		2023	1.01								
QRWL	SZ			EP		2023	1.01								

March 3 2014 Hour: 13:22 46.6 Lat: 33.47N Lon: 35.69E 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
QRWL	SZ	8	354	EP		1322	47.92	-0.04	31						1.0
QRWL	SN	8	354	ES		1322	48.97	-0.00							1.0
RCY	SZ	14	78	EP		1322	48.80	0.01							1.0
SHBL	BZ	15	161	EP		1322	48.95	0.01							1.0
SHBL	BN	15	161	ES		1322	50.68	-0.00							1.0
DQRL	SZ	28	336	EP		1322	51.18	0.03							1.0

March 3 2014 Hour: 15:21 9.9 Lat: 33.55N Lon: 35.78E Depth: 14 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
RCY	SZ	8	138	EP		1521	12.74	0.00	38						1.0
RCY	SN	8	138	ES		1521	14.82	0.01							1.0
SHBL	BZ	23	188	EP		1521	14.40	0.04							1.0
SHBL	BE	23	188	ES		1521	17.60	-0.04							1.0
DQRL	SZ	26	312	EP		1521	14.72	-0.01							1.0
DQRL	SE	26	312	ES		1521	18.29	0.02							1.0
BHL	BZ	41	344	EP		1521	16.89	-0.03							1.0

March 4 2014 Hour: 7:45 7.7 Lat: 33.88N Lon: 35.81E Depth: 10 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	280	EP		745	10.68	-0.04	40						1.0
BHL	BN	15	280	ES		745	12.92	0.00							1.0
DQRL	SZ	30	229	EP		745	12.89	0.05							1.0
RCY	SZ	43	177	EP		745	14.81	-0.08							1.0
RCY	SE	43	177	ES		745	20.21	0.04							1.0
HWQ	SZ	46	16	EP		745	15.36	0.03							1.0

March 5 2014 Hour: 9:48 32.4 Lat: 33.79N Lon: 35.77E Depth: 4 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	322	EP		948	35.26	-0.00	27						1.0
DQRL	SZ	20	244	EP		948	35.82	0.02							1.0
DQRL	SN	20	244	ES		948	38.31	-0.01							1.0
RCY	SZ	33	169	EP		948	37.77	-0.02							1.0

RCY	SN	33	169	ES		948	41.78	0.01										1.0
HWQ	SZ	57	17	EP		948	41.66	0.00										1.0

March 6 2014 Hour: 10:55 56.6 Lat: 33.30N Lon: 35.71E Depth: 18 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	7	33	EP		1055	59.90	-0.00							1.0
SHBL	BN	7	33	ES		1056	2.37	0.00							1.0
RCY	SZ	25	29	EP		1056	1.62	0.00	27						1.0
RCY	SN	25	29	ES		1056	5.36	-0.00							1.0
DQRL	SZ	47	344	EP		1056	4.53	0.00							1.0

March 6 2014 Hour: 15:15 22.0 Agency: REL Regional

EMSC OT=15:15:22.0 35.95N 31.31E 47Km M=4.5 CYPRUS REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EP		1516	23.07								
DQRL	SZ			EP		1516	24.10								
HWQ	BZ			EP		1516	24.01								
QRWL	SZ			EP		1516	26.25								
RCY	SZ			EP		1516	27.97								
SHBL	BZ			EP		1516	28.59								

March 6 2014 Hour: 15:24 28.7 Lat: 33.78N 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	18	322	EP		1524	31.59	-0.04	41						1.0
BHL	BN	18	322	ES		1524	33.84	0.01							1.0
DQRL	SZ	21	246	EP		1524	32.12	0.05							1.0
QRWL	SZ	27	198	EP		1524	33.05	-0.06							1.0
QRWL	SN	27	198	ES		1524	36.40	-0.00							1.0
RCY	SZ	32	169	EP		1524	33.93	0.03							1.0
HWQ	SZ	58	16	EP		1524	37.99	0.01							1.0

March 6 2014 Hour: 17:39 20.7 Lat: 33.76N Lon: 35.70E Depth: 23 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
DQRL	SZ	14	243	EP		1739	25.05	-0.01							1.0
DQRL	SE	14	243	ES		1739	28.27	0.00							1.0
BHL	BZ	16	344	EP		1739	25.28	-0.00	22						1.0
QRWL	SZ	24	184	EP		1739	26.01	0.01							1.0
QRWL	SN	24	184	ES		1739	29.91	-0.00							1.0

March 6 2014 Hour: 17:40 57.3 Lat: 33.76N Lon: 35.73E Depth: 18 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
DQRL	SZ	16	249	EP		1741	1.22	-0.01							1.0
DQRL	SN	16	249	ES		1741	4.18	0.01							1.0
BHL	BZ	18	338	EP		1741	1.45	0.00	22						1.0
QRWL	SZ	24	190	EP		1741	2.11	0.01							1.0
QRWL	SN	24	190	ES		1741	5.68	-0.01							1.0

March 7 2014 Hour: 13:48 21.3 Lat: 33.47N Lon: 35.70E Depth: 0 Agency: REL Local
Magnitudes: 2.4MC REL Rms: 0.1 secs

MOUNT HERMON REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	8	349	EP		1348	22.56	-0.09	28						1.0
RCY	SZ	13	79	EP		1348	23.42	0.02							1.0
SHBL	BZ	15	163	EP		1348	23.58	-0.06							1.0
SHBL	BN	15	163	ES		1348	25.42	0.04							1.0
DQRL	SZ	28	335	EP		1348	25.95	0.07							1.0

DQRL SN 28 335 ES 1348 29.29 0.02 1.0

**March 9 2014 Hour: 5:41 28.5 Lat: 33.59N Lon: 35.75E Depth: 13 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	8	232	EP		541	31.09	0.02	23						1.0
QRWL	SN	8	232	ES		541	32.98	-0.01							1.0
RCY	SZ	13	142	EP		541	31.65	-0.00							1.0
DQRL	SZ	21	308	EP		541	32.53	-0.02							1.0
DQRL	SE	21	308	ES		541	35.57	0.01							1.0
BHL	BZ	36	346	EP		541	34.70	0.00							1.0

**March 9 2014 Hour: 11: 3 20.2 Lat: 33.60N Lon: 35.39E Depth: 21 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	20	56	EP		11 3	24.97	0.05	28						1.0
DQRL	SE	20	56	ES		11 3	28.40	-0.03							1.0
BHL	BZ	41	36	EP		11 3	27.47	-0.05							1.0
BHL	BE	41	36	ES		11 3	32.98	0.03							1.0
RCY	SZ	43	106	EP		11 3	27.79	-0.00							1.0

**March 9 2014 Hour: 13:52 47.0 Lat: 33.47N Lon: 35.69E Depth: 8 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
QRWL	SZ	8	356	EP		1352	48.94	-0.10	29						1.0
QRWL	SN	8	356	ES		1352	50.59	0.04							1.0
RCY	SZ	14	79	EP		1352	49.78	0.01							1.0
SHBL	BZ	15	159	EP		1352	49.91	0.02							1.0
SHBL	BN	15	159	ES		1352	52.03	-0.01							1.0
DQRL	SZ	28	337	EP		1352	51.80	0.03							1.0

**March 10 2014 Hour: 10: 6 58.8 Lat: 33.54N Lon: 35.71E Depth: 0 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	3	291	EP		10 6	59.20	-0.09	31						1.0
QRWL	SN	3	291	ES		10 6	59.68	0.03							1.0
RCY	SZ	12	112	EP		10 7	0.81	0.00							1.0
SHBL	BZ	21	172	EP		10 7	2.17	-0.06							1.0
SHBL	BN	21	172	ES		10 7	4.84	0.06							1.0
DQRL	SZ	23	325	EP		10 7	2.53	0.06							1.0

**March 12 2014 Hour: 0:55 47.1 Lat: 33.61N Lon: 35.81E Depth: 15 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
RCY	SZ	12	170	EP		055	50.49	0.02	29						1.0
RCY	SN	12	170	ES		055	52.98	0.01							1.0
QRWL	SZ	14	242	EP		055	50.48	-0.06							1.0
DQRL	SZ	25	296	EP		055	51.98	0.07							1.0
DQRL	SN	25	296	ES		055	55.46	-0.00							1.0
BHL	BZ	36	336	EP		055	53.42	-0.03							1.0

**March 13 2014 Hour: 18:32 49.4 Lat: 34.11N Lon: 35.83E Depth: 24 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.1 secs**

KESROUANE

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	22	29	EP		1832	54.60	0.03	46						1.0
HWQ	SE	22	29	ES		1832	58.39	-0.01							1.0
BHL	BZ	28	216	EP		1832	55.23	-0.03							1.0
QRWL	SZ	64	193	EP		1833	0.06	0.09							1.0

RCY	SZ	68	180	EP		1833	0.49	-0.10											1.0
RCY	SE	68	180	ES		1833	8.91	0.03											1.0

March 14 2014 Hour: 18:56 46.1 Lat: 33.06N Lon: 35.62E Depth: 0 Agency: REL Local
Magnitudes: 2.5MC REL Rms: 0.1 secs

MOUNT HERMON REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	52	22	EP		1856	54.52	0.01	28						1.0
RCY	SN	52	22	ES		1857	0.78	0.02							1.0
QRWL	SZ	54	6	EP		1856	54.74	-0.10							1.0
QRWL	SN	54	6	ES		1857	1.32	-0.02							1.0
DQRL	SZ	72	356	EP		1856	57.71	0.06							1.0
BHL	BZ	94	2	EP		1857	1.21	0.03							1.0

March 14 2014 Hour: 22: 6 20.7 Lat: 33.80N Lon: 35.82E 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	19	306	EP		22 6	23.71	-0.05	33						1.0
BHL	BN	19	306	ES		22 6	26.02	-0.02							1.0
DQRL	SZ	26	245	EP		22 6	24.80	-0.03							1.0
QRWL	SZ	31	204	EP		22 6	25.76	0.04							1.0
QRWL	SN	31	204	ES		22 6	29.42	-0.02							1.0
BEYL	BZ	31	284	EP		22 6	25.82	0.09							1.0
RCY	SZ	34	178	EP		22 6	26.18	-0.01							1.0
HWQ	SZ	54	12	EP		22 6	29.37	-0.00							1.0

March 14 2014 Hour: 23:29 25.5 Lat: 33.86N Lon: 35.92E Depth: 10 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
BHL	BZ	25	282	EP		2329	29.92	-0.01							1.0
BHL	BN	25	282	ES		2329	33.19	0.00							1.0
DQRL	SZ	36	242	EP		2329	31.65	0.00							1.0
RCY	SZ	41	191	EP		2329	32.37	0.01	30						1.0
RCY	SN	41	191	ES		2329	37.42	-0.00							1.0

March 15 2014 Hour: 2:28 40.1 Lat: 33.50N Lon: 35.58E Depth: 13 Agency: REL Local
Magnitudes: 2.4MC 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	11	61	EP		228	42.95	-0.06	26						1.0
QRWL	SE	11	61	ES		228	45.20	0.01							1.0
DQRL	SZ	23	359	EP		228	44.50	0.05							1.0
RCY	SZ	24	90	EP		228	44.67	0.03							1.0
RCY	SN	24	90	ES		228	48.03	0.01							1.0
BHL	BZ	46	9	EP		228	47.75	-0.03							1.0

March 15 2014 Hour: 10:49 7.0 Agency: REL Regional

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ			EP		11 7	47.84								
BHL	BZ			EP		11 7	48.70								
DQRL	SZ			EP		11 7	49.28								
SHBL	BZ			EP		11 7	49.07								

March 15 2014 Hour: 13:51 29.7 Lat: 33.46N Lon: 35.64E Depth: 2 Agency: REL Local
Magnitudes: 2.4MC REL Rms: 0.1 secs

MOUNT HERMON REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	11	20	EP		1351	31.51	-0.03	27						1.0
QRWL	SE	11	20	ES		1351	32.89	-0.01							1.0
SHBL	BZ	15	142	EP		1351	32.16	-0.09							1.0
SHBL	BE	15	142	ES		1351	34.19	0.06							1.0
RCY	SZ	19	76	EP		1351	32.78	0.02							1.0

DQRL SZ 29 346 EP 1351 34.39 0.05 1.0

March 15 2014 Hour: 14:57 53.3 Lat: 33.48N Lon: 35.68E Depth: 8 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.0 secs

MOUNT HERMON REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	8	3	EP		1457	55.13	-0.05							1.0
RCY	SZ	15	81	EP		1457	56.12	0.02	38						1.0
SHBL	BZ	16	156	EP		1457	56.15	-0.04							1.0
SHBL	BN	16	156	ES		1457	58.39	0.04							1.0
DQRL	SZ	27	339	EP		1457	57.91	0.01							1.0
DQRL	SN	27	339	ES		1458	1.35	0.02							1.0

March 16 2014 Hour: 6:26 6.3 Lat: 34.89N Lon: 34.38E Depth: 11 Agency: REL Regional
Magnitudes: 3.4MC REL Rms: 0.2 secs

CYPRUS REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEYL	BZ	153	138	EP		626	29.83	-0.05							1.0
HWQ	SZ	159	115	EP		626	30.99	0.10							1.0
HWQ	SN	159	115	ES		626	48.90	-0.18							1.0
BHL	BZ	160	133	EP		626	30.93	-0.16	88						1.0
BHL	BN	160	133	ES		626	49.33	-0.10							1.0
DQRL	SZ	171	140	EP		626	32.66	0.09							1.0
DQRL	SN	171	140	ES		626	51.91	-0.10							1.0
QRWL	SZ	191	141	EP		626	35.24	0.17							1.0
RCY	SZ	205	139	EP		626	36.98	0.19							1.0
SHBL	BZ	213	143	EP		626	37.96	0.22							1.0

March 16 2014 Hour: 13:49 27.0 Lat: 33.88N Lon: 35.85E Depth: 5 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	18	278	EP		1349	30.11	-0.02	48						1.0
BHL	BN	18	278	ES		1349	32.47	0.02							1.0
DQRL	SZ	32	233	EP		1349	32.34	-0.00							1.0
QRWL	SZ	40	203	EP		1349	33.55	-0.03							1.0
RCY	SZ	43	182	EP		1349	34.00	-0.00							1.0
RCY	SN	43	182	ES		1349	39.17	-0.01							1.0
HWQ	SZ	45	11	EP		1349	34.31	0.00							1.0
SHBL	BZ	60	189	EP		1349	36.80	0.05							1.0

March 17 2014 Hour: 13:46 48.4 Lat: 33.69N Lon: 35.77E Depth: 22 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	18	208	EP		1346	52.97	-0.06							1.0
QRWL	SE	18	208	ES		1346	56.48	0.02							1.0
DQRL	SZ	19	275	EP		1346	53.19	0.05							1.0
DQRL	SE	19	275	ES		1346	56.63	-0.02							1.0
RCY	SZ	22	165	EP		1346	53.54	0.02	34						1.0
BHL	BZ	26	335	EP		1346	53.89	-0.01							1.0

March 18 2014 Hour: 13:5 26.7 Lat: 33.44N Lon: 35.57E Depth: 18 Agency: REL Local
Magnitudes: 2.5MC 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	16	41	EP		13	5	30.63	0.04	28					1.0
SHBL	BZ	19	122	EP		13	5	31.10	0.09						1.0
SHBL	BE	19	122	ES		13	5	34.18	-0.06						1.0
RCY	SZ	26	76	EP		13	5	31.67	-0.08						1.0
RCY	SE	26	76	ES		13	5	35.56	0.04						1.0
DQRL	SZ	29	0	EP		13	5	32.17	-0.03						1.0

March 19 2014 Hour: 5:57 20.6 Lat: 33.80N Lon: 35.78E Depth: 13 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	17	314	EP		557	24.20	0.01	34						1.0
BHL	BE	17	314	ES		557	26.84	-0.01							1.0
DQRL	SZ	22	243	EP		557	24.89	0.00							1.0
RCY	SZ	34	172	EP		557	26.51	-0.03							1.0
RCY	SN	34	172	ES		557	30.94	0.02							1.0
HWQ	SZ	55	16	EP		557	29.80	0.00							1.0

March 19 2014 Hour: 10: 7 38.0 Lat: 33.80N Lon: 35.72E Depth: 18 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	13	330	EP		10 7	41.64	-0.00	29						1.0
DQRL	SZ	18	233	EP		10 7	42.13	0.00							1.0
DQRL	SN	18	233	ES		10 7	45.18	-0.00							1.0
QRWL	SZ	29	188	EP		10 7	43.40	-0.01							1.0
RCY	SZ	36	163	EP		10 7	44.38	0.00							1.0
RCY	SE	36	163	ES		10 7	49.10	0.00							1.0

March 19 2014 Hour: 12:19 27.0 Agency: REL Distant

EMSC OT=12:19:27.0 24.07N 122.33E 30Km M=5.7 TAIWAN REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EP		1231	2.82								
SHBL	BZ			EP		1231	3.86								

March 19 2014 Hour: 16: 0 19.0 Agency: REL Distant

EMSC OT=16:00:19.0 28.04S 177.07W 10Km M=5.8 KERMADEC ISLANDS

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	BZ			EP		1620	13.53								
RCY	SZ			EP		1620	14.35								
BHL	BZ			EP		1620	14.27								
QRWL	SZ			EP		1620	14.94								
SHBL	BZ			EP		1620	14.35								

March 20 2014 Hour: 13:37 41.0 Lat: 33.47N Lon: 35.70E 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
QRWL	SZ	9	350	EP		1337	42.34	-0.07	32						1.0
QRWL	SN	9	350	ES		1337	43.47	0.02							1.0
RCY	SZ	13	77	EP		1337	43.14	0.01							1.0
SHBL	BZ	14	163	EP		1337	43.31	-0.01							1.0
SHBL	BN	14	163	ES		1337	45.04	0.01							1.0
DQRL	SZ	29	335	EP		1337	45.67	0.04							1.0

March 20 2014 Hour: 13:54 18.8 Lat: 33.42N Lon: 35.55E Depth: 4 Agency: REL Local
Magnitudes: 2.9MC 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	19	40	EP		1354	21.97	-0.00							1.0
QRWL	SN	19	40	ES		1354	24.29	-0.00							1.0
SHBL	BZ	19	114	EP		1354	22.10	-0.01							1.0
SHBL	BN	19	114	ES		1354	24.54	0.00							1.0
RCY	SZ	28	72	EP		1354	23.42	0.02	51						1.0
DQRL	SZ	32	3	EP		1354	24.08	0.03							1.0
BHL	BZ	55	10	EP		1354	27.67	-0.03							1.0

March 20 2014 Hour: 14:26 26.8 Lat: 33.78N Lon: 35.76E Depth: 9 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	325	EP		1426	29.96	-0.02	45						1.0
DQRL	SZ	19	244	EP		1426	30.39	0.01							1.0
DQRL	SN	19	244	ES		1426	33.02	0.02							1.0
QRWL	SZ	27	195	EP		1426	31.44	-0.06							1.0
RCY	SZ	33	167	EP		1426	32.42	0.05							1.0
RCY	SN	33	167	ES		1426	36.46	-0.01							1.0
HWQ	SZ	58	18	EP		1426	36.29	0.01							1.0

March 20 2014 Hour: 14:45 55.9 Lat: 33.46N Lon: 35.66E Depth: 0 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.1 secs

MOUNT HERMON REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	10	9	EP		1445	57.48	-0.09	37						1.0
QRWL	SE	10	9	ES		1445	58.82	0.01							1.0
SHBL	BZ	14	148	EP		1445	58.14	-0.04							1.0
SHBL	BE	14	148	ES		1445	59.89	0.02							1.0
RCY	SZ	17	74	EP		1445	58.62	0.04							1.0
DQRL	SZ	29	343	EP		1446	0.66	0.07							1.0

March 20 2014 Hour: 16:54 29.0 Lat: 35.92N Lon: 36.21E Depth: 17 Agency: REL Regional
Magnitudes: 3.6MC REL Rms: 0.3 secs

TURKEY REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	BZ	183	188	EP		1654	56.37	0.13							1.0
HWQ	BE	183	188	ES		1655	16.38	0.02							1.0
BHL	BZ	229	193	EP		1655	1.82	-0.07	109						1.0
BHL	BN	229	193	ES		1655	26.27	0.07							1.0
BEYL	BZ	236	196	EP		1655	2.75	0.07							1.0
DQRL	SZ	252	194	EP		1655	4.61	-0.16							1.0
DQRL	SN	252	194	ES		1655	31.11	-0.09							1.0
QRWL	SZ	267	191	EP		1655	6.69	0.07							1.0
RCY	SZ	271	187	EP		1655	7.19	0.09							1.0
SHBL	BZ	288	189	EP		1655	9.46	0.19							1.0

March 20 2014 Hour: 20:53 32.5 Lat: 33.74N Lon: 36.62E Depth: 0 Agency: REL Local
Magnitudes: 3.0MC 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	78	250	EP		2053	45.14	0.01	53						1.0
RCY	SN	78	250	ES		2053	54.41	-0.04							1.0
HWQ	SZ	86	314	EP		2053	46.38	-0.07							1.0
QRWL	SZ	90	256	EP		2053	47.07	0.02							1.0
QRWL	SN	90	256	ES		2053	57.80	0.01							1.0
BHL	BZ	92	282	EP		2053	47.47	0.17							1.0
DQRL	SZ	98	268	EP		2053	48.20	-0.10							1.0

March 21 2014 Hour: 8:40 31.1 Lat: 32.74N Lon: 35.72E Depth: 9 Agency: REL Regional
Magnitudes: 2.9MC 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	68	2	EP		840	41.99	-0.11							1.0
SHBL	BN	68	2	ES		840	50.29	0.03							1.0
RCY	SZ	85	7	EP		840	44.93	0.11	48						1.0
RCY	SN	85	7	ES		840	54.96	-0.03							1.0
DQRL	SZ	108	352	EP		840	48.28	0.02							1.0
HWQ	SZ	172	7	EP		840	57.57	-0.02							1.0

March 21 2014 Hour: 13:41 8.0 Agency: REL Distant
EMSC OT=13:41:08.0 07.69N 94.20E 10Km M=6.4 NICOBAR ISLANDS
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 HWQ BZ EP 1351 10.44
 SHBL BZ EP 1351 13.15
 BHL BZ EP 1351 13.46

March 21 2014 Hour: 20:20 49.0 Lat: 33.76N Lon: 35.99E Depth: 22 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 33 206 EP 2020 55.33 0.02 33 1.0
 RCY SE 33 206 ES 2021 0.01-0.01 1.0
 BHL BZ 35 296 EP 2020 55.54-0.00 1.0
 QRWL SZ 38 231 EP 2020 55.84-0.00 1.0
 DQRL SZ 40 261 EP 2020 56.15-0.00 1.0
 DQRL SN 40 261 ES 2021 1.48 0.00 1.0

March 22 2014 Hour: 11:17 56.4 Lat: 33.46N Lon: 35.63E Depth: 0 Agency: REL Local
Magnitudes: 2.2MC REL Rms: 0.0 secs
MOUNT HERMON REGION
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 QRWL SZ 11 26 EP 1117 58.14 0.01 20 1.0
 QRWL SE 11 26 ES 1117 59.45 0.00 1.0
 SHBL BZ 16 139 EP 1117 58.99 0.02 1.0
 SHBL BN 16 139 ES 1118 0.88-0.02 1.0
 RCY SZ 20 77 EP 1117 59.50-0.01 1.0
 DQRL SZ 28 348 EP 1118 0.86-0.01 1.0

March 22 2014 Hour: 13:41 40.5 Lat: 33.78N Lon: 35.76E Depth: 5 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 16 325 EP 1341 43.35 0.03 33 1.0
 DQRL SZ 19 243 EP 1341 43.86 0.08 1.0
 DQRL SN 19 243 ES 1341 46.17-0.06 1.0
 QRWL SZ 27 195 EP 1341 44.95-0.05 1.0
 QRWL SE 27 195 ES 1341 48.38 0.03 1.0
 RCY SZ 33 167 EP 1341 45.91 0.00 1.0
 HWQ SZ 57 18 EP 1341 49.78-0.03 1.0

March 22 2014 Hour: 14:20 31.8 Lat: 33.47N Lon: 35.69E 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
 QRWL SZ 9 358 EP 1420 33.18-0.07 32 1.0
 SHBL BZ 14 158 EP 1420 34.16 0.04 1.0
 SHBL BN 14 158 ES 1420 35.81-0.02 1.0
 RCY SZ 14 77 EP 1420 34.09-0.04 1.0
 RCY SE 14 77 ES 1420 35.89 0.04 1.0
 DQRL SZ 29 338 EP 1420 36.46 0.05 1.0

March 22 2014 Hour: 14:18 48.0 Agency: REL Distant
EMSC OT=14:18:48.0 29.31N 139.32E 430Km M=5.4 IZU ISLANDS
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 BHL BZ EP 1430 33.72
 SHBL BZ EP 1430 35.01

March 22 2014 Hour: 15:48 12.8 Lat: 33.69N Lon: 35.32E Depth: 3 Agency: REL Local
Magnitudes: 2.4MC 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	23	85	EP		1548	16.56	-0.04	25						1.0
DQRL	SN	23	85	ES		1548	19.42	0.02							1.0
QRWL	SZ	37	115	EP		1548	18.84	0.04							1.0
QRWL	SE	37	115	ES		1548	23.22	-0.02							1.0
BHL	BZ	39	52	EP		1548	19.13	-0.00							1.0

March 22 2014 Hour: 23:34 22.4 Lat: 33.73N Lon: 35.74E 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
DQRL	SZ	16	260	EP		2334	25.17	0.02							1.0
BHL	BZ	21	338	EP		2334	25.82	-0.07	42						1.0
BHL	BN	21	338	ES		2334	28.51	0.01							1.0
QRWL	SZ	21	194	EP		2334	25.90	-0.04							1.0
QRWL	SN	21	194	ES		2334	28.57	-0.01							1.0
BEYL	BZ	27	305	EP		2334	26.95	0.05							1.0
RCY	SZ	28	161	EP		2334	27.06	0.07							1.0

March 23 2014 Hour: 4:31 3.0 Agency: REL Distant

EMSC OT=04:31:03.0 20.73S 178.80W 634Km M=5.9 FIJI REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	BZ			EP		449	36.42								
BHL	BZ			EP		449	37.50								
BEYL	BZ			EP		449	37.50								
RCY	SZ			EP		449	37.64								
DQRL	SZ			EP		449	37.86								
QRWL	SZ			EP		449	37.98								
SHBL	BZ			EP		449	37.98								

March 23 2014 Hour: 4:55 41.5 Lat: 34.49N Lon: 34.13E Depth: 0 Agency: REL Regional
Magnitudes: 3.8MC REL Rms: 0.1 secs

CYPRUS REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEYL	BZ	144	118	EP		456	4.45	-0.03							1.0
BHL	BZ	155	115	EP		456	6.10	-0.15	162						1.0
DQRL	SZ	160	123	EP		456	6.65	-0.20							1.0
DQRL	SE	160	123	ES		456	25.63	-0.01							1.0
HWQ	BZ	169	98	EP		456	8.28	-0.01							1.0
HWQ	SE	169	98	ES		456	28.20	0.06							1.0
QRWL	SZ	178	126	EP		456	9.55	-0.03							1.0
QRWL	SN	178	126	ES		456	30.35	-0.03							1.0
RCY	SZ	193	125	EP		456	11.94	0.33							1.0
SHBL	BZ	196	130	EP		456	12.05	0.01							1.0

March 23 2014 Hour: 4:45 58.0 Agency: REL Distant

EMSC OT=04:45:58.0 20.73S 178.69W 612Km M=5.0 FIJI REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EP		5 4	34.22								
SHBL	BZ			EP		5 4	34.75								

March 23 2014 Hour: 13:37 31.4 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	318	EP		1337	34.04	-0.01	32						1.0
DQRL	SZ	21	243	EP		1337	34.84	0.03							1.0
DQRL	SN	21	243	ES		1337	37.34	-0.01							1.0
RCY	SZ	33	170	EP		1337	36.75	-0.02							1.0
RCY	SE	33	170	ES		1337	40.77	0.01							1.0

HWQ SZ 56 16 EP 1337 40.41 0.00 1.0

March 23 2014 Hour: 14: 9 15.6 Lat: 34.32N Lon: 36.60E Depth: 20 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.1 secs

NEBEK REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	60	266	EP		14	9	25.51	-0.02						1.0
BHL	BZ	98	242	EP		14	9	31.21	0.11	35					1.0
BHL	BN	98	242	ES		14	9	42.59	0.01						1.0
RCY	SZ	115	218	EP		14	9	33.64	0.05						1.0
RCY	SN	115	218	ES		14	9	46.90	-0.01						1.0
DQRL	SZ	117	235	EP		14	9	33.64	-0.14						1.0

March 23 2014 Hour: 15:25 36.8 Lat: 33.47N Lon: 35.69E Depth: 0 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.1 secs

MOUNT HERMON REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	9	356	EP		1525	38.19	-0.06	34						1.0
QRWL	SN	9	356	ES		1525	39.25	-0.06							1.0
RCY	SZ	14	77	EP		1525	39.13	0.05							1.0
SHBL	BZ	14	159	EP		1525	39.13	-0.01							1.0
SHBL	BN	14	159	ES		1525	40.82	-0.03							1.0
DQRL	SZ	29	337	EP		1525	41.53	0.10							1.0

March 23 2014 Hour: 15:37 33.2 Lat: 33.78N Lon: 35.74E 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	16	331	EP		1537	35.74	-0.11	39						1.0
BHL	BE	16	331	ES		1537	37.77	-0.02							1.0
DQRL	SZ	18	244	EP		1537	36.22	0.15							1.0
BEYL	BZ	25	295	EP		1537	37.23	-0.06							1.0
QRWL	SZ	26	192	EP		1537	37.38	-0.03							1.0
RCY	SZ	32	164	EP		1537	38.36	-0.07							1.0
RCY	SN	32	164	ES		1537	42.30	0.01							1.0
HWQ	SZ	59	19	EP		1537	42.82	0.12							1.0

March 24 2014 Hour: 9: 8 45.3 Lat: 33.51N Lon: 35.69E 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	4	344	EP		9	8	45.91	-0.07	31					1.0
QRWL	SE	4	344	ES		9	8	46.48	0.02						1.0
RCY	SZ	13	98	EP		9	8	47.50	0.01						1.0
DQRL	SZ	24	332	EP		9	8	49.28	0.04						1.0
DQRL	SN	24	332	ES		9	8	52.12	-0.00						1.0

March 24 2014 Hour: 15:47 20.1 Lat: 33.47N Lon: 35.69E Depth: 0 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.0 secs

MOUNT HERMON REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	8	354	EP		1547	21.47	-0.01	36						1.0
QRWL	SN	8	354	ES		1547	22.46	-0.03							1.0
RCY	SZ	14	79	EP		1547	22.36	0.02							1.0
SHBL	BZ	15	160	EP		1547	22.50	0.01							1.0
SHBL	BN	15	160	ES		1547	24.22	-0.02							1.0
DQRL	SZ	28	337	EP		1547	24.70	0.03							1.0

March 24 2014 Hour: 19:38 42.0 Agency: REL Regional
EMSC OT=19:38:42.0 36.16N 27.30E 65Km M=3.5 DODECANESE ISLANDS
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 RCY SZ EP 1940 25.97
 HWQ SZ EP 1940 23.98

March 25 2014 Hour: 11:26 49.0 Agency: REL Regional
EMSC OT=11:26:49.0 36.48N 28.10E 49Km M=3.9 DODECANESE ISLANDS
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 HWQ SZ EP 1128 24.38
 RCY SZ EP 1128 27.66

March 25 2014 Hour: 12:52 28.9 Lat: 33.49N Lon: 35.65E Depth: 14 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.0 secs
MOUNT HERMON REGION
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 QRWL SZ 7 22 EP 1252 31.63-0.00 37 1.0
 QRWL SN 7 22 ES 1252 33.67 0.00 1.0
 RCY SZ 17 86 EP 1252 32.64-0.00 1.0
 SHBL BZ 17 150 EP 1252 32.61-0.07 1.0
 SHBL BN 17 150 ES 1252 35.53 0.04 1.0
 DQRL SZ 26 343 EP 1252 33.76 0.07 1.0
 DQRL SN 26 343 ES 1252 37.20-0.04 1.0

March 25 2014 Hour: 14:26 21.3 Lat: 33.78N Lon: 35.79E Depth: 6 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 18 317 EP 1426 24.47-0.00 34 1.0
 BHL BE 18 317 ES 1426 26.82-0.00 1.0
 DQRL SZ 22 247 EP 1426 25.08 0.05 1.0
 DQRL SN 22 247 ES 1426 27.78-0.01 1.0
 QRWL SZ 28 200 EP 1426 25.91-0.05 1.0
 RCY SZ 32 172 EP 1426 26.64 0.00 1.0
 RCY SN 32 172 ES 1426 30.60 0.01 1.0
 HWQ SZ 57 15 EP 1426 30.54-0.00 1.0

March 25 2014 Hour: 16:57 47.3 Lat: 33.80N Lon: 35.78E Depth: 15 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 16 315 EP 1657 50.93-0.01 42 1.0
 BHL BN 16 315 ES 1657 53.67 0.02 1.0
 DQRL SZ 22 241 EP 1657 51.65 0.03 1.0
 QRWL SZ 29 198 EP 1657 52.53-0.10 1.0
 QRWL SN 29 198 ES 1657 56.55-0.04 1.0
 RCY SZ 34 171 EP 1657 53.37 0.03 1.0
 SHBL BZ 50 184 EP 1657 55.70 0.01 1.0
 SHBL BN 50 184 ES 1658 1.97 0.06 1.0
 HWQ SZ 55 16 EP 1657 56.22-0.19 0.2

March 26 2014 Hour: 3:29 35.0 Agency: REL Distant
EMSC OT=03:29:35.0 26.17S 179.42E 479Km M=6.3 SOUTH OF FIJI ISLS
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 RCY SZ EP 348 21.65
 HWQ BZ EP 348 21.52
 QRWL SZ EP 348 21.65
 BHL BZ EP 348 22.43

March 26 2014 Hour: 13: 6 52.0 Lat: 33.47N Lon: 35.70E Depth: 0 Agency: REL Local
Magnitudes: 2.5MC REL Rms: 0.1 secs

MOUNT HERMON REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	9	351	EP		13 6	53.36	-0.09	29						1.0
QRWL	SN	9	351	ES		13 6	54.50	0.01							1.0
RCY	SZ	13	77	EP		13 6	54.20	0.02							1.0
SHBL	BZ	14	162	EP		13 6	54.30	-0.05							1.0
SHBL	BN	14	162	ES		13 6	56.09	0.04							1.0
DQRL	SZ	29	336	EP		13 6	56.73	0.07							1.0

March 26 2014 Hour: 14: 1 20.4 Agency: REL Regional
EMSC OT=14:00:14.0 38.15N 38.59E 4Km M=4.0 EASTERN TURKEY

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ			EP		14 1	23.06								
BHL	BZ			EP		14 1	28.41								
DQRL	SZ			EP		14 1	32.87								
QRWL	SZ			EP		14 1	33.92								
RCY	SZ			EP		14 1	33.63								

March 26 2014 Hour: 14:54 56.7 Lat: 33.45N Lon: 35.65E Depth: 3 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
QRWL	SZ	11	17	EP		1454	58.53	-0.05	31						1.0
QRWL	SN	11	17	ES		1455	0.01	0.01							1.0
SHBL	BZ	15	142	EP		1454	59.12	-0.03							1.0
SHBL	BN	15	142	ES		1455	1.00	0.02							1.0
RCY	SN	18	74	EP		1454	59.72	0.01							1.0
DQRL	SZ	29	346	EP		1455	1.43	0.03							1.0

March 27 2014 Hour: 13:41 35.2 Lat: 33.49N Lon: 35.63E Depth: 17 Agency: REL Local
Magnitudes: 2.4MC 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	9	37	EP		1341	38.37	0.04	27						1.0
QRWL	SN	9	37	ES		1341	40.68	0.00							1.0
SHBL	BZ	19	144	EP		1341	39.37	0.04							1.0
SHBL	BN	19	144	ES		1341	42.39	-0.03							1.0
RCY	SZ	20	86	EP		1341	39.41	-0.01							1.0
DQRL	SZ	25	348	EP		1341	40.02	-0.04							1.0

March 28 2014 Hour: 10:10 15.0 Lat: 33.87N Lon: 35.85E Depth: 7 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	19	284	EP		1010	18.15	-0.10	43						1.0
BHL	BE	19	284	ES		1010	20.65	-0.02							1.0
DQRL	SZ	31	236	EP		1010	20.19	-0.01							1.0
DQRL	SE	31	236	ES		1010	24.16	0.10							1.0
RCY	SZ	41	182	EP		1010	21.77	0.05							1.0
RCY	SN	41	182	ES		1010	26.62	-0.09							1.0
HWQ	SZ	47	11	EP		1010	22.68	0.05							1.0
SHBL	BZ	58	190	EP		1010	24.52	0.06							1.0

March 28 2014 Hour: 14:54 59.6 Lat: 33.47N Lon: 35.69E Depth: 4 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
QRWL	SZ	8	357	EP		1455	1.18	-0.04	29						1.0
QRWL	SN	8	357	ES		1455	2.41	0.01							1.0
RCY	SZ	14	79	EP		1455	2.09	0.01							1.0
SHBL	BZ	15	159	EP		1455	2.17	-0.02							1.0

SHBL	BN	15	159	ES		1455	4.12	0.02									1.0
DQRL	SZ	28	337	EP		1455	4.24	0.02									1.0

March 28 2014 Hour: 14:55 58.0 Lat: 33.79N Lon: 35.78E Depth: 13 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	316	EP		1456	1.57	-0.03	38						1.0
BHL	BN	17	316	ES		1456	4.30	0.02							1.0
DQRL	SZ	22	243	EP		1456	2.23	0.01							1.0
RCY	SZ	33	171	EP		1456	3.86	-0.02							1.0
RCY	SN	33	171	ES		1456	8.27	0.02							1.0
HWQ	SZ	56	16	EP		1456	7.22	0.01							1.0

March 28 2014 Hour: 15:51 5.1 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	321	EP		1551	7.95	-0.03	34						1.0
DQRL	SZ	21	247	EP		1551	8.43	-0.01							1.0
DQRL	SN	21	247	ES		1551	10.93	0.01							1.0
QRWL	SZ	27	199	EP		1551	9.49	0.02							1.0
RCY	SZ	32	170	EP		1551	10.20	-0.03							1.0
RCY	SN	32	170	ES		1551	14.04	0.00							1.0
HWQ	SZ	58	16	EP		1551	14.41	0.04							1.0

March 29 2014 Hour: 12:26 41.4 Lat: 33.79N Lon: 35.76E Depth: 13 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	16	323	EP		1226	44.84	-0.04	43						1.0
BHL	BN	16	323	ES		1226	47.44	0.00							1.0
DQRL	SZ	20	241	EP		1226	45.47	0.09							1.0
QRWL	SZ	28	194	EP		1226	46.37	-0.13							1.0
RCY	SZ	34	167	EP		1226	47.35	-0.01							1.0
RCY	SN	34	167	ES		1226	51.80	0.05							1.0
HWQ	SZ	57	18	EP		1226	50.82	0.02							1.0

March 30 2014 Hour: 11:40 16.9 Lat: 33.95N Lon: 35.85E Depth: 16 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	19	256	EP		1140	21.00	-0.01	22						1.0
BHL	BN	19	256	ES		1140	24.04	0.00							1.0
DQRL	SZ	37	225	EP		1140	23.47	0.01							1.0
DQRL	SN	37	225	ES		1140	28.29	-0.01							1.0
RCY	SZ	50	182	EP		1140	25.30	0.01							1.0

March 31 2014 Hour: 13:36 25.1 Lat: 33.46N Lon: 35.65E Depth: 0 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
QRWL	SZ	10	16	EP		1336	26.67	-0.08	26						1.0
QRWL	SN	10	16	ES		1336	28.00	0.02							1.0
SHBL	BZ	15	145	EP		1336	27.50	-0.02							1.0
SHBL	BN	15	145	ES		1336	29.32	0.01							1.0
RCY	SZ	18	76	EP		1336	27.95	0.02							1.0
DQRL	SZ	28	344	EP		1336	29.72	0.04							1.0

March 31 2014 Hour: 15: 8 16.0 Lat: 33.78N Lon: 35.78E Depth: 2 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	19	320	EP		15 8	19.02	-0.07	40						1.0
BHL	BN	19	320	ES		15 8	21.37	0.02							1.0
DQRL	SZ	21	248	EP		15 8	19.58	0.06							1.0
QRWL	SZ	27	200	EP		15 8	20.38	-0.06							1.0
RCY	SZ	31	171	EP		15 8	21.19	0.04							1.0
RCY	SN	31	171	ES		15 8	24.92	-0.01							1.0
HWQ	SZ	58	15	EP		15 8	25.38	0.02							1.0

Epicentral Map of Lebanon

MARCH 2014

