

Republic of Lebanon
National Council for Scientific Research

Provisional Seismological Bulletin

from the

NATIONAL SEISMIC NETWORK

May

2013

Prepared by
The National Centre for Geophysical Research
Bhannes

*P.o.b. : 165432
Ashrafyeh Beirut 1100-2040*

*Tel : +9614-981885
Fax : +9614-981886
Email : geophys@cnrs.edu.lb*

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.

May 1 2013 Hour: 6:50 52.0 Agency: REL Regional

EMSC OT=06:50:52.0 37.31N 37.11E 2Km M=4.2 CENTRAL TURKEY

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ			EP		651	44.13								
BHL	BZ			EP		651	50.57								
DQRL	SZ			EP		652	0.13								
QRWL	SZ			EP		652	0.81								
RCY	SZ			EP		651	55.91								

May 1 2013 Hour: 13:15 3.9 Lat: 33.59N Lon: 35.87E 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
RCY	SZ	11	198	EP		1315	7.55	-0.02	25						1.0
RCY	SN	11	198	ES		1315	10.30	0.01							1.0
QRWL	SZ	18	256	EP		1315	8.21	0.04							1.0
QRWL	SN	18	256	ES		1315	11.33	-0.01							1.0
DQRL	SZ	31	295	EP		1315	9.68	-0.03							1.0
BHL	BZ	41	330	EP		1315	11.21	0.19							0.2

May 1 2013 Hour: 13:21 17.1 Lat: 33.86N Lon: 35.82E Depth: 1 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	16	287	EP		1321	19.68	-0.06	43						1.0
BHL	BN	16	287	ES		1321	21.74	0.02							1.0
DQRL	SZ	29	234	EP		1321	21.79	0.02							1.0
DQRL	SN	29	234	ES		1321	25.26	0.01							1.0
RCY	SZ	40	178	EP		1321	23.58	-0.02							1.0
RCY	SN	40	178	ES		1321	28.44	0.01							1.0
HWQ	SZ	48	14	EP		1321	24.78	0.02							1.0

May 1 2013 Hour: 14:59 43.4 Lat: 33.35N Lon: 35.34E Depth: 6 Agency: REL Local

Magnitudes: 2.5MC REL

Rms: 0.0 secs

SOUTH LEBANON

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ	45	28	EP		1459	50.73	-0.01							1.0
DQRL	SN	45	28	ES		1459	56.20	0.02							1.0
RCY	SZ	49	70	EP		1459	51.40	0.04	30						1.0
RCY	SE	49	70	ES		1459	57.25	-0.02							1.0
BHL	BZ	68	25	EP		1459	54.41	-0.03							1.0
HWQ	SZ	117	28	EP		15	0	2.16	0.00						1.0

May 1 2013 Hour: 18:31 4.0 Agency: REL Distant

EMSC OT=18:31:04.0 28.22N 51.70E 10Km M=5.2 SOUTHERN IRAN

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	BZ			EP		1834	31.71								
BHL	BZ			EP		1834	34.08								
DQRL	SZ			EP		1834	35.80								

May 1 2013 Hour: 21:21 32.3 Lat: 33.80N Lon: 35.81E Depth: 11 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	310	EP		2121	35.94	0.04	39						1.0
BHL	BE	18	310	ES		2121	38.55	-0.01							1.0
DQRL	SZ	24	245	EP		2121	36.63	-0.07							1.0
DQRL	SE	24	245	ES		2121	39.96	0.02							1.0
RCY	SZ	34	175	EP		2121	38.08	-0.03							1.0
RCY	SN	34	175	ES		2121	42.40	-0.00							1.0
SHBL	BZ	50	187	EP		2121	40.73	0.05							1.0
HWQ	SZ	55	14	EP		2121	41.34	-0.06							0.2

May 2 2013 Hour: 12:34 39.0 Lat: 33.46N Lon: 35.64E 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	11	20	EP		1234	40.66	-0.04							1.0
QRWL	SN	11	20	ES		1234	42.00	0.01							1.0
SHBL	BZ	15	142	EP		1234	41.45	0.01							1.0
SHBL	BE	15	142	ES		1234	43.27	-0.01							1.0
RCY	SZ	19	76	EP		1234	41.98	0.02	31						1.0
DQRL	SZ	28	346	EP		1234	43.56	0.02							1.0

May 2 2013 Hour: 15:46 44.5 Lat: 33.81N Lon: 35.78E Depth: 16 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	314	EP		1546	48.18	-0.02	40						1.0
BHL	BN	16	314	ES		1546	50.95	0.00							1.0
DQRL	SZ	22	240	EP		1546	48.98	0.04							1.0
QRWL	SZ	30	197	EP		1546	49.88	-0.07							1.0
QRWL	SN	30	197	ES		1546	54.01	0.01							1.0
RCY	SZ	35	171	EP		1546	50.68	0.03							1.0
SHBL	BZ	51	184	EP		1546	52.99	0.01							1.0
HWQ	SZ	55	16	EP		1546	53.61	0.07							0.2

May 2 2013 Hour: 22:33 4.1 Lat: 33.48N Lon: 35.64E 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	29	EP		2233	5.32	-0.08	30						1.0
QRWL	SN	8	29	ES		2233	6.40	0.02							1.0
SHBL	BZ	18	147	EP		2233	6.93	-0.04							1.0
SHBL	BN	18	147	ES		2233	9.14	0.02							1.0
RCY	SZ	18	86	EP		2233	7.07	0.04							1.0
DQRL	SZ	25	345	EP		2233	8.25	0.07							1.0
BHL	BZ	47	2	EP		2233	11.57	-0.03							1.0

May 3 2013 Hour: 0:54 0.0 Agency: REL Local

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ			EP		055	12.74								
SHBL	BZ			EP		055	8.85								

May 3 2013 Hour: 11:57 53.2 Lat: 33.40N Lon: 35.68E Depth: 1 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	8	136	EP		1157	54.67	0.00							1.0
QRWL	SZ	16	0	EP		1157	55.82	-0.04							1.0
QRWL	SN	16	0	ES		1157	57.81	0.01							1.0
RCY	SZ	18	54	EP		1157	56.14	0.01	31						1.0
RCY	SN	18	54	ES		1157	58.26	-0.00							1.0
DQRL	SZ	35	343	EP		1157	58.94	0.02							1.0

May 4 2013 Hour: 8:32 40.6 Lat: 33.87N Lon: 35.84E Depth: 0 Agency: REL Local
Magnitudes: 3.1MC REL Rms: 0.0 secs

BEIRUT REGION

Earthquake was felt

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	17	284	EP		832	43.36	-0.05	66						1.0
BHL	BN	17	284	ES		832	45.47	-0.01							1.0
DQRL	SZ	31	234	EP		832	45.61	0.09							1.0
DQRL	SE	31	234	ES		832	49.15	-0.02							1.0
BEYL	BZ	32	271	EP		832	45.79	0.06							1.0
QRWL	SZ	38	202	EP		832	46.71	-0.06							1.0

QRWL	SN	38	202	ES	832	51.40	0.06										1.0
RCY	SZ	41	180	EP	832	47.30	0.06										1.0
RCY	SN	41	180	ES	832	52.14	-0.01										1.0
HWQ	SZ	47	13	EP	832	48.16	0.03										1.0
HWQ	SE	47	13	ES	832	53.68	-0.02										1.0
SHBL	BZ	58	189	EP	832	49.95	-0.04										1.0
SHBL	BN	58	189	ES	832	56.88	-0.06										1.0

May 4 2013 Hour: 9:44 43.0 Agency: REL Distant

EMSC OT=09:44:43.0 18.55S 177.84W 538Km M=5.1 FIJI REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EP		10	3	23.72							
SHBL	BZ			EP		10	3	24.45							
QRWL	SZ			EP		10	3	24.42							

May 4 2013 Hour: 13:16 53.4 Lat: 33.47N Lon: 35.69E Depth: 0 Agency: REL Local
Magnitudes: 3.1MC 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	355	EP		1316		54.77-0.02							1.0
QRWL	SN	8	355	ES		1316		55.74-0.04							1.0
RCY	SZ	14	79	EP		1316		55.68-0.00							1.0
RCY	SN	14	79	ES		1316		57.37 0.03							1.0
SHBL	BZ	15	160	EP		1316		55.80-0.03							1.0
SHBL	BN	15	160	ES		1316		57.57-0.03							1.0
DQRL	SZ	28	337	EP		1316		57.94-0.03	72						1.0
DQRL	SN	28	337	ES		1317		1.39 0.06							1.0
BHL	BZ	48	356	EP		1317		1.11-0.06							1.0
BHL	BN	48	356	ES		1317		6.89-0.00							1.0
HWQ	SZ	92	15	EP		1317		8.39 0.05							1.0

May 4 2013 Hour: 13:58 33.7 Lat: 33.54N Lon: 35.71E 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	3	283	EP		1358		34.16-0.03							1.0
RCY	SZ	13	113	EP		1358		35.79-0.04	32						1.0
SHBL	BZ	22	171	EP		1358		37.30 0.03							1.0
SHBL	BN	22	171	ES		1358		39.88 0.01							1.0
DQRL	SZ	22	325	EP		1358		37.30-0.04							1.0
DQRL	SN	22	325	ES		1358		40.00 0.01							1.0
BHL	BZ	40	353	EP		1358		40.33 0.05							1.0

May 4 2013 Hour: 14: 0 37.1 Lat: 33.78N Lon: 35.75E Depth: 8 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	327	EP		14	0	40.08-0.08	34						1.0
BHL	BN	16	327	ES		14	0	42.49 0.06							1.0
DQRL	SZ	19	244	EP		14	0	40.45-0.03							1.0
DQRL	SN	19	244	ES		14	0	43.00 0.01							1.0
RCY	SZ	33	166	EP		14	0	42.60 0.01							1.0
HWQ	SZ	58	18	EP		14	0	46.61 0.01							1.0

May 4 2013 Hour: 15: 6 22.0 Lat: 33.46N Lon: 35.66E Depth: 1 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	11	12	EP		15	6	23.65-0.06	28						1.0
QRWL	SN	11	12	ES		15	6	25.02 0.02							1.0
SHBL	BZ	14	146	EP		15	6	24.32-0.00							1.0
SHBL	BN	14	146	ES		15	6	26.07 0.00							1.0
RCY	SZ	17	74	EP		15	6	24.79 0.02							1.0
DQRL	SZ	29	344	EP		15	6	26.71 0.05							1.0

BHL BZ 50 360 EP 15 6 29.99-0.02 1.0

May 4 2013 Hour: 19: 8 24.4 Lat: 34.71N Lon: 36.30E Depth: 8 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.1 secs

AKKAR

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	58	214	EP		19	8	33.92	0.07						1.0
HWQ	SE	58	214	ES		19	8	40.81	-0.04						1.0
BHL	BZ	107	214	EP		19	8	41.41	-0.12	39					1.0
BHL	BE	107	214	ES		19	8	54.25	0.04						1.0
DQRL	SZ	130	211	EP		19	8	44.94	0.06						1.0
SHBL	BZ	159	199	EP		19	8	49.22	-0.01						1.0

May 4 2013 Hour: 22:48 45.4 Lat: 33.56N Lon: 36.19E Depth: 3 Agency: REL Local
Magnitudes: 3.5MC 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	33	257	EP		2248	50.74	-0.10							1.0
RCY	SN	33	257	ES		2248	54.86	0.00							1.0
QRWL	SZ	47	268	EP		2248	52.94	-0.04							1.0
SHBL	BZ	48	240	EP		2248	53.17	0.05							1.0
SHBL	BN	48	240	ES		2248	58.81	-0.01							1.0
DQRL	SZ	59	285	EP		2248	55.01	0.03	111						1.0
DQRL	SN	59	285	ES		2249	2.06	0.01							1.0
BHL	BZ	62	308	EP		2248	55.44	0.01	108						1.0
BEYL	BZ	73	298	EP		2248	57.04	-0.09							0.2
HWQ	SZ	82	344	EP		2248	58.68	0.00							1.0

May 4 2013 Hour: 22:52 16.9 Lat: 33.53N Lon: 36.20E Depth: 0 Agency: REL Local
Magnitudes: 2.9MC 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	34	263	EP		2252	22.46	0.01	53						1.0
SHBL	BZ	47	244	EP		2252	24.59	0.03							1.0
SHBL	BN	47	244	ES		2252	30.17	-0.04							1.0
DQRL	SZ	62	288	EP		2252	26.90	0.05							1.0
BHL	BZ	65	309	EP		2252	27.42	-0.02							1.0
BHL	BN	65	309	ES		2252	35.23	0.01							1.0
HWQ	SZ	86	344	EP		2252	30.71	-0.03							1.0

May 4 2013 Hour: 22:57 52.9 Lat: 33.54N Lon: 36.21E Depth: 0 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.0 secs

DAMASCUS REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	BZ	48	244	EP		2258	0.72	0.00	37						1.0
SHBL	BN	48	244	ES		2258	6.46	-0.02							1.0
DQRL	SZ	62	287	EP		2258	3.00	0.05							1.0
DQRL	SN	62	287	ES		2258	10.36	0.00							1.0
BHL	BZ	65	308	EP		2258	3.44	-0.04							1.0
HWQ	SZ	85	344	EP		2258	6.65	-0.05							0.2

May 4 2013 Hour: 23:10 56.9 Lat: 33.49N Lon: 36.33E Depth: 2 Agency: REL Local
Magnitudes: 3.0MC 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	46	271	EP		2311	4.31	-0.03	60						1.0
RCY	SN	46	271	ES		2311	9.79	-0.03							1.0
SHBL	BZ	57	254	EP		2311	6.10	0.02							1.0
SHBL	BN	57	254	ES		2311	12.88	0.04							1.0
QRWL	SZ	60	276	EP		2311	6.68	0.00							1.0
DQRL	SZ	74	289	EP		2311	8.90	-0.03							1.0
DQRL	SN	74	289	ES		2311	17.84	0.03							1.0
BHL	BZ	78	307	EP		2311	9.38	-0.07							1.0
HWQ	SZ	94	338	EP		2311	12.21	0.06							1.0

May 5 2013 Hour: 0:59 5.0 Agency: REL Distant
EMSC OT=00:59:05.0 23.44S 179.81E 579Km M=4.5 FIJI ISLANDS
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 SHBL BZ EP 117 45.47
 BHL BZ EP 117 45.12

May 5 2013 Hour: 1:22 0.0 Agency: REL Regional
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 SHBL BZ EP 123 1.27
 DQRL SZ EP 123 8.75

May 5 2013 Hour: 8:20 38.0 Agency: REL Distant
EMSC OT=08:20:38.0 13.25N 49.60E 10Km M=5.2 GULF OF ADEN
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 SHBL BZ EP 825 49.59
 BHL BZ EP 825 54.90

May 5 2013 Hour: 11:18 46.6 Lat: 34.46N Lon: 36.16E Depth: 8 Agency: REL Local
 Magnitudes: 3.0MC REL Rms: 0.0 secs
AKKAR

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	28	224	EP		1118	51.41	-0.00	61						1.0
HWQ	SE	28	224	ES		1118	54.96	-0.00							1.0
BHL	BZ	77	217	EP		1118	59.17	0.00							1.0
BHL	BN	77	217	ES		1119	8.45	-0.00							1.0
DQRL	SZ	100	213	EP		1119	2.63	0.00							1.0
RCY	SZ	111	196	EP		1119	4.30	-0.00							1.0

May 5 2013 Hour: 11:20 45.8 Lat: 33.83N Lon: 35.74E 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
BHL	BZ	12	318	EP		1120	49.98	-0.00	21						1.0
BHL	BN	12	318	ES		1120	53.08	0.00							1.0
DQRL	SZ	21	230	EP		1120	50.74	0.01							1.0
DQRL	SN	21	230	ES		1120	54.38	-0.01							1.0
RCY	SZ	38	166	EP		1120	52.76	-0.00							1.0

May 5 2013 Hour: 11:21 3.2 Lat: 34.12N Lon: 36.17E Depth: 30 Agency: REL Local
 Magnitudes: 2.7MC REL Rms: 0.0 secs
HERMEL BAALBEK REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	27	311	EP		1121	9.66	0.03	39						1.0
HWQ	SN	27	311	ES		1121	14.33	-0.03							1.0
BHL	BZ	53	243	EP		1121	12.78	0.07							1.0
DQRL	SZ	72	230	EP		1121	15.17	-0.07							1.0
RCY	SZ	76	204	EP		1121	15.78	-0.02							1.0
RCY	SE	76	204	ES		1121	25.12	0.02							1.0

May 5 2013 Hour: 15:54 24.5 Lat: 34.20N Lon: 35.70E Depth: 33 Agency: REL Local
 Magnitudes: 2.7MC REL Rms: 0.0 secs
KESROUANE

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	25	68	EP		1554	31.04	0.04	41						1.0
HWQ	SN	25	68	ES		1554	35.79	-0.02							1.0
BHL	BZ	33	187	EP		1554	31.72	-0.06							1.0
BHL	BN	33	187	ES		1554	37.17	0.02							1.0
DQRL	SZ	56	192	EP		1554	34.54	0.02							1.0
SHBL	BZ	94	177	EP		1554	39.41	-0.00							1.0

May 5 2013 Hour: 16:52 29.0 Agency: REL Regional

EMSC OT=16:52:29.0 37.30N 37.10E 7Km M=3.6 CENTRAL TURKEY

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ			EP		1653	22.79								
BHL	BZ			EP		1653	29.94								
DQRL	SZ			EP		1653	33.94								
SHBL	BZ			EP		1653	35.05								

May 5 2013 Hour: 22:53 54.9 Lat: 33.77N Lon: 35.76E Depth: 0 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	18	325	EP		2253	57.66-0.11		63						1.0
BHL	BN	18	325	ES		2253	59.84-0.06								1.0
DQRL	SZ	19	248	EP		2253	58.06 0.04								1.0
DQRL	SN	19	248	ES		2254	0.37 0.04								1.0
QRWL	SZ	26	197	EP		2253	59.04-0.05								1.0
BEYL	BZ	27	294	EP		2253	59.35 0.05								1.0
RCY	SZ	31	168	EP		2253	59.91-0.04								1.0
SHBL	BZ	47	182	EP		2254	2.44-0.05								1.0
HWQ	SZ	59	17	EP		2254	4.46 0.11								1.0

May 6 2013 Hour: 2:28 6.2 Agency: REL Distant

EMSC OT=02:28:06.0 28.49N 51.70E 30Km M=5.0 SOUTHERN IRAN

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	BZ			EP		231	31.45								
HWQ	SZ			EP		231	31.97								
BHL	BZ			EP		231	33.60								

May 6 2013 Hour: 14:10 6.8 Lat: 33.30N Lon: 35.42E Depth: 24 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	30	80	EP		1410	13.02 0.05								1.0
SHBL	BN	30	80	ES		1410	17.54-0.02								1.0
RCY	SZ	44	60	EP		1410	14.65-0.05		42						1.0
RCY	SN	44	60	ES		1410	20.58 0.02								1.0
DQRL	SZ	47	17	EP		1410	15.03-0.01								1.0
DQRL	SN	47	17	ES		1410	21.17 0.01								1.0
HWQ	SZ	119	24	EP		1410	25.44 0.12								0.2

May 6 2013 Hour: 15:15 47.0 Lat: 33.45N Lon: 35.63E Depth: 0 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.0 secs

MOUNT HERMON REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	12	24	EP		1515	48.86-0.06		43						1.0
QRWL	SN	12	24	ES		1515	50.40 0.03								1.0
SHBL	BZ	15	136	EP		1515	49.45-0.01								1.0
SHBL	BN	15	136	ES		1515	51.31 0.01								1.0
RCY	SZ	20	74	EP		1515	50.17-0.02								1.0
DQRL	SZ	29	349	EP		1515	51.66 0.01								1.0
DQRL	SN	29	349	ES		1515	55.07-0.05								1.0
BHL	BZ	51	3	EP		1515	55.22 0.09								1.0

May 6 2013 Hour: 15:25 7.2 Lat: 33.79N Lon: 35.78E 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	17	318	EP		1525	9.88-0.05		38						1.0
BHL	BN	17	318	ES		1525	11.94 0.00								1.0
DQRL	SZ	21	243	EP		1525	10.62-0.04								1.0
DQRL	SN	21	243	ES		1525	13.25 0.05								1.0
RCY	SZ	33	170	EP		1525	12.59-0.01								1.0

HWQ SZ 56 16 EP 1525 16.34 0.05 1.0

May 6 2013 Hour: 16:7 19.5 Lat: 33.78N Lon: 35.79E 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	18	317	EP		16	7	22.54	-0.05	35					1.0
BHL	BE	18	317	ES		16	7	24.93	0.01						1.0
DQRL	SZ	22	247	EP		16	7	23.15	0.00						1.0
DQRL	SN	22	247	ES		16	7	25.90	0.02						1.0
SHBL	BZ	48	185	EP		16	7	27.32	-0.01						1.0
HWQ	SZ	57	15	EP		16	7	28.72	0.03						1.0

May 6 2013 Hour: 18:33 17.0 Agency: REL Regional
EMSC OT=18:33:17.0 37.31N 37.15E 7Km M=4.2 CENTRAL TURKEY

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ			EP		1834		16.13							
BHL	BZ			EP		1834		16.72							
DQRL	SZ			EP		1834		20.60							
RCY	SZ			EP		1834		22.29							
SHBL	BZ			EP		1834		24.35							

May 7 2013 Hour: 14:14 14.6 Lat: 33.78N Lon: 35.77E Depth: 0 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	322	EP		1414		17.37	-0.07	48					1.0
BHL	BN	18	322	ES		1414		19.56	-0.01						1.0
DQRL	SZ	20	247	EP		1414		17.90	0.07						1.0
DQRL	SE	20	247	ES		1414		20.28	0.02						1.0
QRWL	SZ	27	198	EP		1414		18.83	-0.04						1.0
QRWL	SN	27	198	ES		1414		22.03	-0.03						1.0
RCY	SZ	32	169	EP		1414		19.72	0.06						1.0
SHBL	BZ	48	183	EP		1414		22.20	-0.03						1.0
HWQ	SZ	58	16	EP		1414		23.93	0.04						1.0

May 7 2013 Hour: 14:35 39.4 Lat: 33.37N Lon: 35.63E Depth: 6 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.1 secs

MOUNT HERMON REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	BZ	11	104	EP		1435		41.59	-0.02						1.0
QRWL	SZ	20	15	EP		1435		42.77	-0.06						1.0
QRWL	SN	20	15	ES		1435		45.39	0.01						1.0
RCY	SZ	24	55	EP		1435		43.48	0.07	44					1.0
RCY	SN	24	55	ES		1435		46.39	-0.01						1.0
DQRL	SZ	37	352	EP		1435		45.60	0.09						1.0
BHL	BZ	59	2	EP		1435		48.88	-0.08						1.0

May 8 2013 Hour: 10:28 0.5 Lat: 33.90N 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	15	270	EP		1028		3.08	-0.02	44					1.0
BHL	BN	15	270	ES		1028		5.01	0.01						1.0
DQRL	SZ	32	227	EP		1028		5.71	0.00						1.0
DQRL	SE	32	227	ES		1028		9.56	0.01						1.0
QRWL	SZ	41	198	EP		1028		7.22	-0.03						1.0
HWQ	SZ	43	16	EP		1028		7.53	0.00						1.0
RCY	SZ	45	178	EP		1028		7.88	0.03						1.0
RCY	SN	45	178	ES		1028		13.26	-0.01						1.0

May 8 2013 Hour: 14:50 15.0 Lat: 33.79N Lon: 35.78E 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	17	316	EP		1450	17.73	0.01	37						1.0
BHL	BE	17	316	ES		1450	19.74	-0.02							1.0
DQRL	SZ	22	244	EP		1450	18.47	-0.02							1.0
DQRL	SE	22	244	ES		1450	21.14	0.03							1.0
RCY	SZ	33	171	EP		1450	20.31	-0.01							1.0
RCY	SE	33	171	ES		1450	24.30	0.00							1.0
HWQ	SZ	56	16	EP		1450	23.99	0.02							1.0

May 8 2013 Hour: 15:12 35.6 Lat: 33.45N Lon: 35.58E Depth: 14 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	15	43	EP		1512	39.03	0.02							1.0
QRWL	SN	15	43	ES		1512	41.50	-0.01							1.0
SHBL	BZ	19	126	EP		1512	39.64	-0.01							1.0
SHBL	BN	19	126	ES		1512	42.63	0.01							1.0
RCY	SZ	25	78	EP		1512	40.34	0.00	26						1.0
DQRL	SZ	28	359	EP		1512	40.78	-0.01							0.2

May 8 2013 Hour: 16:48 19.5 Lat: 33.54N Lon: 35.71E Depth: 0 Agency: REL Local
Magnitudes: 2.3MC REL Rms: 0.0 secs

CENTRAL BEKAA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	3	293	EP		1648	19.94	-0.02							1.0
RCY	SZ	13	111	EP		1648	21.56	-0.03	24						1.0
RCY	SN	13	111	ES		1648	23.14	0.02							1.0
SHBL	BZ	21	171	EP		1648	22.99	0.02							1.0
DQRL	SZ	23	326	EP		1648	23.16	0.00							1.0
DQRL	SN	23	326	ES		1648	25.86	0.01							1.0

May 9 2013 Hour: 15:11 11.3 Lat: 33.46N Lon: 35.58E Depth: 15 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	14	44	EP		1511	14.77	0.06							1.0
QRWL	SN	14	44	ES		1511	17.24	-0.02							1.0
SHBL	BZ	20	129	EP		1511	15.43	-0.01							1.0
RCY	SZ	24	80	EP		1511	15.99	-0.00	26						1.0
RCY	SN	24	80	ES		1511	19.49	-0.00							1.0
DQRL	SZ	27	358	EP		1511	16.36	-0.02							1.0

May 9 2013 Hour: 15:35 6.9 Lat: 33.80N Lon: 35.77E Depth: 14 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	317	EP		1535	10.51	-0.00	40						1.0
BHL	BE	16	317	ES		1535	13.21	0.00							1.0
DQRL	SZ	21	242	EP		1535	11.12	-0.00							1.0
RCY	SZ	34	170	EP		1535	12.87	0.01							1.0
RCY	SE	34	170	ES		1535	17.28	-0.01							1.0
HWQ	SZ	56	17	EP		1535	16.08	-0.00							1.0

May 10 2013 Hour: 13:29 1.9 Lat: 33.79N Lon: 35.77E Depth: 4 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.0 secs

BEIRUT REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	17	320	EP		1329	4.74	-0.00	35						1.0
BHL	BN	17	320	ES		1329	6.86	-0.00							1.0
DQRL	SZ	21	244	EP		1329	5.33	0.01							1.0

RCY	SZ	33	170	EP		1329	7.21	-0.02									1.0
RCY	SE	33	170	ES		1329	11.20	0.01									1.0
HWQ	SZ	57	16	EP		1329	11.10	0.01									1.0

May 10 2013 Hour: 17:27 41.1 Lat: 33.79N 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	17	318	EP		1727	43.80	-0.06	39						1.0
BHL	BN	17	318	ES		1727	45.95	0.02							1.0
DQRL	SZ	22	244	EP		1727	44.58	0.02							1.0
RCY	SZ	33	171	EP		1727	46.40	-0.01							1.0
RCY	SE	33	171	ES		1727	50.38	0.00							1.0
HWQ	SZ	56	16	EP		1727	50.17	0.02							1.0

May 11 2013 Hour: 2: 8 14.0 Agency: REL Distant

EMSC OT=02:08:14.0 26.79N 57.85E 30Km M=6.2 SOUTHERN IRAN

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ			EP		212	47.09								
SHBL	BZ			EP		212	47.26								
HWQ	SZ			EP		212	48.01								
QRWL	SZ			EP		212	48.68								
BHL	BZ			EP		212	50.09								
DQRL	SZ			EP		212	49.68								
BEYL	BZ			EP		212	50.93								

May 11 2013 Hour: 3: 9 54.0 Agency: REL Distant

EMSC OT=03:09:54.0 26.78N 57.91E 20Km M=5.4 SOUTHERN IRAN

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ			EP		314	26.64								
SHBL	BZ			EP		314	26.52								
HWQ	SZ			EP		314	28.01								
BHL	BZ			EP		314	29.79								

May 11 2013 Hour: 6:10 8.3 Lat: 33.88N Lon: 35.86E 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	19	277	EP		610	11.44	-0.03	40						1.0
BHL	BN	19	277	ES		610	13.82	0.00							1.0
DQRL	SZ	33	233	EP		610	13.69	-0.01							1.0
DQRL	SE	33	233	ES		610	17.71	0.02							1.0
RCY	SZ	43	183	EP		610	15.28	-0.01							1.0
RCY	SN	43	183	ES		610	20.46	0.00							1.0
HWQ	SZ	45	11	EP		610	15.57	0.02							1.0

May 11 2013 Hour: 8:42 40.0 Agency: REL Distant

EMSC OT=08:42:40.0 26.66N 57.84E 30Km M=5.0 SOUTHERN IRAN

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ			EP		847	12.37								
HWQ	SZ			EP		847	14.19								
BHL	BZ			EP		847	15.37								
DQRL	SZ			EP		847	15.96								

May 11 2013 Hour: 13:23 0.0 Agency: REL Local

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ			EP		1324	20.20								
RCY	SZ			EP		1324	4.68								

May 11 2013 Hour: 14:16 24.0 Lat: 33.61N Lon: 36.10E Depth: 2 Agency: REL Local
Magnitudes: 2.5MC 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	28	242	EP		1416	28.50	0.00	31						1.0
RCY	SN	28	242	ES		1416	31.81	-0.01							1.0
DQRL	SZ	50	282	EP		1416	32.11	0.00							1.0
DQRL	SN	50	282	ES		1416	38.10	0.00							1.0
BHL	BZ	52	308	EP		1416	32.48	0.00							1.0

May 11 2013 Hour: 20: 2 55.9 Lat: 33.80N Lon: 35.74E Depth: 15 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	14	324	EP		20 2	59.37	-0.00	44						1.0
BHL	BN	14	324	ES		20 3	1.91	-0.01							1.0
DQRL	SZ	19	236	EP		20 3	0.02	0.05							1.0
DQRL	SN	19	236	ES		20 3	2.98	0.02							1.0
BEYL	BZ	24	288	EP		20 3	0.46	-0.07							1.0
RCY	SZ	35	166	EP		20 3	2.05	-0.09							1.0
SHBL	BZ	50	180	EP		20 3	4.42	0.05							1.0
SHBL	BN	50	180	ES		20 3	10.62	0.00							1.0
HWQ	SZ	56	20	EP		20 3	5.22	0.04							1.0

May 11 2013 Hour: 20:46 56.0 Agency: REL Distant

EMSC OT=20:46:56.0 17.94S 175.12W 200Km M=6.4 TONGA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ			EP		21 6	15.72								
BHL	BZ			EP		21 6	15.59								
QRWL	SZ			EP		21 6	15.66								
DQRL	SZ			EP		21 6	16.12								
SHBL	BZ			EP		21 6	16.44								

May 12 2013 Hour: 0: 7 9.0 Agency: REL Distant

EMSC OT=00:07:09.0 26.79N 57.91E 80Km M=5.6 SOUTHERN IRAN

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ			EP		011	37.42								
SHBL	BZ			EP		011	37.88								
HWQ	SZ			EP		011	38.40								
QRWL	SZ			EP		011	38.81								
BHL	BZ			EP		011	40.08								
DQRL	SZ			EP		011	40.61								
BEYL	BZ			EP		011	40.90								

May 12 2013 Hour: 10:54 50.0 Agency: REL Distant

EMSC OT=10:54:50.0 26.76N 57.80E 20Km M=5.5 SOUTHERN IRAN

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ			EP		1059	23.48								
SHBL	BZ			EP		1059	24.05								
BHL	BZ			EP		1059	26.56								
DQRL	SZ			EP		1059	26.33								

May 12 2013 Hour: 13:26 30.6 Lat: 33.45N Lon: 35.63E Depth: 4 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	12	22	EP		1326	32.67	-0.09	35						1.0
QRWL	SN	12	22	ES		1326	34.35	0.02							1.0
SHBL	BZ	15	137	EP		1326	33.21	-0.02							1.0
SHBL	BN	15	137	ES		1326	35.15	0.01							1.0
RCY	SZ	20	74	EP		1326	33.97	0.04							1.0
DQRL	SZ	29	348	EP		1326	35.53	0.09							1.0
BHL	BZ	51	2	EP		1326	38.82	-0.05							1.0

May 13 2013 Hour: 3:8 2.7 Lat: 33.77N 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	322	EP		3 8	5.66	0.00	35						1.0
BHL	BN	18	322	ES		3 8	7.81	-0.04							1.0
DQRL	SZ	21	248	EP		3 8	6.01	0.00							1.0
DQRL	SN	21	248	ES		3 8	8.50	0.04							1.0
QRWL	SZ	27	199	EP		3 8	6.91	-0.07							1.0
RCY	SZ	31	170	EP		3 8	7.74	0.00							1.0
SHBL	BZ	47	184	EP		3 8	10.37	0.05							1.0
SHBL	BN	47	184	ES		3 8	15.95	-0.02							1.0
HWQ	SZ	58	16	EP		3 8	12.10	0.03							1.0

May 13 2013 Hour: 6:31 19.5 Lat: 33.87N Lon: 35.71E Depth: 21 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	7	306	EP		631	23.13	0.02	43						1.0
BHL	BN	7	306	ES		631	25.78	0.00							1.0
DQRL	SZ	22	216	EP		631	24.38	-0.04							1.0
RCY	SZ	43	164	EP		631	27.03	-0.04							1.0
RCY	SN	43	164	ES		631	32.71	0.03							1.0
HWQ	SZ	50	26	EP		631	28.03	-0.03							1.0
SHBL	BZ	58	177	EP		631	29.30	0.13							1.0
SHBL	BN	58	177	ES		631	36.26	-0.07							1.0

May 13 2013 Hour: 13:12 49.8 Lat: 33.49N Lon: 35.67E Depth: 0 Agency: REL Local
 Magnitudes: 2.3MC 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	13	EP		1312	50.90	-0.07	22						1.0
QRWL	SN	7	13	ES		1312	51.80	-0.01							1.0
RCY	SZ	16	86	EP		1312	52.45	0.05							1.0
DQRL	SZ	26	340	EP		1312	53.98	-0.03							1.0
DQRL	SN	26	340	ES		1312	57.17	0.07							1.0

May 13 2013 Hour: 15:52 19.2 Lat: 33.78N Lon: 35.78E Depth: 5 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	318	EP		1552	22.28	-0.05	49						1.0
BHL	BN	18	318	ES		1552	24.63	0.02							1.0
DQRL	SZ	22	247	EP		1552	22.96	0.06							1.0
DQRL	SN	22	247	ES		1552	25.59	-0.01							1.0
QRWL	SZ	28	200	EP		1552	23.78	-0.08							1.0
BEYL	BZ	29	290	EP		1552	24.03	0.07							0.2
RCY	SZ	32	172	EP		1552	24.60	0.04							1.0
RCY	SE	32	172	ES		1552	28.48	-0.00							1.0
HWQ	SZ	57	15	EP		1552	28.48	0.01							1.0

May 14 2013 Hour: 0:32 26.5 Agency: REL Distant

EMSC OT=00:32:26.5 18.82N 145.26E 605Km M=6.8 N.MARIANA ISLANDS

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EP		044	44.51								
QRWL	SZ			EP		044	45.33								
DQRL	SZ			EP		044	45.45								
SHBL	BZ			EP		044	45.51								

May 15 2013 Hour: 7: 9 58.0 Agency: REL Regional
EMSC OT=07:09:58.0 39.00N 41.19E 16Km M=4.6 EASTERN TURKEY
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 HWQ SZ EP 711 34.51
 DQRL SZ EP 711 54.71
 RCY SZ EP 711 52.41

May 15 2013 Hour: 13: 1 38.6 Lat: 33.87N Lon: 35.84E Depth: 1 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	283	EP		13	1	41.36	-0.08	50					1.0
BHL	BE	18	283	ES		13	1	43.59	0.03						1.0
DQRL	SZ	31	234	EP		13	1	43.62	0.06						1.0
QRWL	SZ	38	202	EP		13	1	44.75	-0.04						1.0
RCY	SZ	41	180	EP		13	1	45.32	0.08						1.0
RCY	SE	41	180	ES		13	1	50.18	0.01						1.0
HWQ	SZ	47	12	EP		13	1	46.10	-0.01						1.0
SHBL	BZ	58	189	EP		13	1	48.02	0.02						1.0
SHBL	BN	58	189	ES		13	1	54.89	-0.07						1.0

May 15 2013 Hour: 16:52 28.0 Agency: REL Regional
EMSC OT=16:52:28.0 37.00N 30.49E 56Km M=4.0 WESTERN TURKEY

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ			EP		1653	40.71								
BHL	BZ			EP		1653	39.92								
DQRL	SZ			EP		1653	41.03								
QRWL	SZ			EP		1653	44.02								
RCY	SZ			EP		1653	45.98								
SHBL	BZ			EP		1653	46.76								

May 16 2013 Hour: 3: 2 1.0 Agency: REL Regional
EMSC OT=03:02:01.0 37.05N 28.39E 3Km M=4.8 WESTERN TURKEY

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ			EP		3	3	40.99							
HWQ	SZ			EP		3	3	41.73							
QRWL	SZ			EP		3	3	43.59							
RCY	SZ			EP		3	3	44.95							
SHBL	BZ			EP		3	3	44.87							

May 16 2013 Hour: 9:36 45.3 Lat: 33.78N Lon: 35.77E 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	17	321	EP		936	48.03	0.02	35						1.0
BHL	BE	17	321	ES		936	50.00	-0.05							1.0
DQRL	SZ	20	245	EP		936	48.60	0.05							1.0
RCY	SZ	33	169	EP		936	50.46	-0.06							1.0
RCY	SE	33	169	ES		936	54.41	0.01							1.0
HWQ	SZ	57	17	EP		936	54.52	0.03							1.0

May 16 2013 Hour: 10: 8 0.1 Lat: 33.39N Lon: 35.63E Depth: 2 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	112	EP		10	8	2.01	-0.00						1.0
QRWL	SZ	19	15	EP		10	8	3.14	0.03	31					1.0
QRWL	SE	19	15	ES		10	8	5.35	-0.00						1.0
RCY	SZ	23	57	EP		10	8	3.80	0.01						1.0
RCY	SE	23	57	ES		10	8	6.52	-0.01						1.0
DQRL	SZ	36	351	EP		10	8	5.86	-0.02						1.0

May 16 2013 Hour: 14:53 13.0 Lat: 33.40N Lon: 35.46E Depth: 7 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.0 secs

SOUTH LEBANON

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ	35	17	EP		1453	18.85	0.01							1.0
DQRL	SN	35	17	ES		1453	23.13	-0.01							1.0
RCY	SZ	37	74	EP		1453	19.09	-0.01	35						1.0
RCY	SN	37	74	ES		1453	23.60	0.01							1.0
BHL	BZ	58	18	EP		1453	22.57	0.03							0.2
HWQ	SZ	107	25	EP		1453	30.20	0.00							1.0

May 16 2013 Hour: 15: 7 43.3 Lat: 33.48N Lon: 35.67E 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	10	EP		15 7	44.47	-0.05	29						1.0
QRWL	SE	8	10	ES		15 7	45.46	0.00							1.0
RCY	SZ	16	83	EP		15 7	45.77	-0.04							1.0
RCY	SN	16	83	ES		15 7	47.73	0.04							1.0
DQRL	SZ	27	340	EP		15 7	47.65	0.07							1.0
BHL	BZ	47	358	EP		15 7	50.85	-0.03							1.0

May 16 2013 Hour: 15:16 39.9 Lat: 34.03N Lon: 36.13E Depth: 7 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.0 secs

HERMEL BAALBEK REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	33	328	EP		1516	45.39	0.00							1.0
BHL	BZ	46	253	EP		1516	47.46	-0.03							1.0
BHL	BE	46	253	ES		1516	53.14	0.02							1.0
DQRL	SZ	63	236	EP		1516	50.16	0.00							1.0
RCY	SZ	65	205	EP		1516	50.47	0.03	39						1.0
RCY	SE	65	205	ES		1516	58.23	-0.02							1.0

May 16 2013 Hour: 18:27 9.0 Agency: REL Distant
EMSC OT=18:27:09.0 22.19S 179.55W 594Km M=5.3 S.FIJI ISLANDS

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EP		1845	46.13								
SHBL	BZ			EP		1845	46.61								
QRWL	SZ			EP		1845	46.84								
DQRL	SZ			EP		1845	47.24								

May 16 2013 Hour: 21:21 18.0 Agency: REL Regional
EMSC OT=21:21:18.0 37.03N 28.39E 7Km M=4.4 WESTERN TURKEY

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ			EP		2122	57.33								
DQRL	SZ			EP		2122	57.68								
QRWL	SZ			EP		2123	0.14								
RCY	SZ			EP		2123	0.94								
SHBL	BZ			EP		2123	1.63								

May 16 2013 Hour: 23:21 13.2 Lat: 33.78N Lon: 35.78E Depth: 0 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.0 secs

BEIRUT REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	18	320	EP		2321	16.13	-0.05	38						1.0
BHL	BN	18	320	ES		2321	18.32	-0.02							1.0
DQRL	SZ	21	247	EP		2321	16.67	0.02							1.0
DQRL	SE	21	247	ES		2321	19.20	0.03							1.0
RCY	SZ	32	171	EP		2321	18.32	-0.06							1.0
RCY	SN	32	171	ES		2321	22.17	0.00							1.0
SHBL	BZ	48	184	EP		2321	20.99	0.02							1.0
HWQ	SZ	57	15	EP		2321	22.58	0.06							1.0

May 17 2013 Hour: 9:43 58.3 Lat: 33.78N Lon: 35.76E Depth: 4 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	326	EP		944	1.16	-0.04	38						1.0
DQRL	SZ	19	245	EP		944	1.57	0.05							1.0
DQRL	SE	19	245	ES		944	3.88	-0.01							1.0
RCY	SZ	32	167	EP		944	3.48	-0.09							1.0
RCY	SE	32	167	ES		944	7.51	0.05							1.0
HWQ	SZ	58	17	EP		944	7.78	0.04							1.0

May 17 2013 Hour: 10:2 6.1 Lat: 33.79N Lon: 35.74E Depth: 12 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.0 secs

BEIRUT REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	15	328	EP		10 2	9.37	0.01	36						1.0
DQRL	SZ	18	240	EP		10 2	9.76	-0.00							1.0
DQRL	SN	18	240	ES		10 2	12.46	-0.00							1.0
RCY	SZ	34	165	EP		10 2	11.97	0.01							1.0
RCY	SE	34	165	ES		10 2	16.28	-0.00							1.0
HWQ	SZ	58	19	EP		10 2	15.63	-0.01							1.0

May 17 2013 Hour: 10:44 38.5 Lat: 33.29N Lon: 35.38E Depth: 0 Agency: REL Local
Magnitudes: 3.0MC 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	34	79	EP		1044	44.02	-0.01							1.0
SHBL	BN	34	79	ES		1044	48.08	-0.04							1.0
QRWL	SZ	40	44	EP		1044	44.88	-0.08							1.0
QRWL	SN	40	44	ES		1044	49.75	0.01							1.0
RCY	SZ	48	61	EP		1044	46.31	0.06	61						1.0
RCY	SN	48	61	ES		1044	52.03	0.04							1.0
DQRL	SZ	50	21	EP		1044	46.43	-0.05							1.0
DQRL	SN	50	21	ES		1044	52.37	-0.02							1.0
BHL	BZ	73	20	EP		1044	50.26	0.01							1.0
HWQ	SZ	122	25	EP		1044	58.19	0.08							1.0

May 17 2013 Hour: 12:58 59.0 Agency: REL Regional

EMSC OT=12:58:59.0 35.50N 29.54E 30Km M=3.8 E.MED.SEA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ			EP		13 0	18.03								
SHBL	BZ			EP		13 0	19.52								
RCY	SZ			EP		13 0	19.86								

May 17 2013 Hour: 14:48 10.9 Lat: 34.50N Lon: 36.19E Depth: 5 Agency: REL Local
Magnitudes: 3.0MC REL Rms: 0.0 secs

AKKAR

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	34	222	EP		1448	16.33	-0.07	62						1.0
HWQ	SE	34	222	ES		1448	20.48	-0.02							1.0
BHL	BZ	83	217	EP		1448	24.36	0.09							1.0
DQRL	SZ	105	213	EP		1448	27.91	0.01							1.0
DQRL	SN	105	213	ES		1448	40.51	0.01							1.0
RCY	SZ	116	196	EP		1448	29.52	-0.03							1.0

May 17 2013 Hour: 16:34 28.8 Lat: 33.45N Lon: 35.64E 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	11	22	EP		1634	30.80	-0.03							1.0
QRWL	SE	11	22	ES		1634	32.31	0.00							1.0
SHBL	BZ	15	140	EP		1634	31.45	-0.02							1.0
SHBL	BN	15	140	ES		1634	33.43	0.02							1.0

RCY	SZ	19	75	EP		1634	32.06	0.02	30								1.0
RCY	SE	19	75	ES		1634	34.41	-0.00									1.0
DQRL	SZ	29	347	EP		1634	33.55	0.01									1.0
DQRL	SN	29	347	ES		1634	37.03	0.01									1.0

May 18 2013 Hour: 5:48 1.0 Agency: REL Distant
EMSC OT=05:48:01.0 37.79N 141.51E 52Km M=6.0 E.COAST HONSHU JP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 BHL BZ EP 6 0 9.85
 RCY SZ EP 6 0 11.03
 SHBL BZ EP 6 0 11.43

May 18 2013 Hour: 10:3 19.0 Agency: REL Distant
EMSC OT=10:03:19.0 26.79N 57.80E 10Km M=5.6 SOUTHERN IRAN
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 RCY SZ EP 10 7 53.66
 SHBL BZ EP 10 7 54.20
 HWQ SZ EP 10 7 54.88
 QRWL SZ EP 10 7 55.22
 BHL BZ EP 10 7 57.04
 DQRL SZ EP 10 7 57.18

May 18 2013 Hour: 10:57 50.0 Agency: REL Distant
EMSC OT=10:57:50.0 26.84N 57.82E 10Km M=5.5 SOUTHERN IRAN
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 SHBL BZ EP 11 2 25.13
 BHL BZ EP 11 2 27.53
 DQRL SZ EP 11 2 29.18

May 18 2013 Hour: 12:40 49.1 Lat: 33.79N Lon: 35.77E Depth: 7 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.0 secs
BEIRUT REGION
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 BHL BZ 17 320 EP 1240 52.10-0.00 40 1.0
 BHL BN 17 320 ES 1240 54.29-0.00 1.0
 DQRL SZ 21 243 EP 1240 52.70-0.02 1.0
 DQRL SE 21 243 ES 1240 55.38 0.02 1.0
 RCY SZ 33 169 EP 1240 54.66-0.00 1.0
 HWQ SZ 57 17 EP 1240 58.37 0.01 1.0

May 18 2013 Hour: 13:16 0.0 Agency: REL Local
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 DQRL SZ EP 1317 7.63
 RCY SZ EP 1317 8.50

May 18 2013 Hour: 15:21 48.5 Lat: 33.79N Lon: 35.79E 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 18 315 EP 1521 51.47 0.01 34 1.0
 BHL BN 18 315 ES 1521 53.62-0.01 1.0
 DQRL SZ 23 246 EP 1521 52.20 0.01 1.0
 RCY SZ 33 173 EP 1521 53.80-0.03 1.0
 RCY SN 33 173 ES 1521 57.77 0.02 1.0
 HWQ SZ 56 15 EP 1521 57.58 0.01 1.0

May 19 2013 Hour: 9:24 29.2 Lat: 33.80N Lon: 35.78E Depth: 9 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.0 secs
BEIRUT REGION
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 BHL BZ 16 316 EP 924 32.28-0.01 34 1.0
 BHL BE 16 316 ES 924 34.61 0.00 1.0
 DQRL SZ 22 242 EP 924 33.04-0.00 1.0
 DQRL SE 22 242 ES 924 35.92 0.00 1.0

RCY	SZ	34	171	EP		924	34.92	0.01										1.0
RCY	SE	34	171	ES		924	39.16	-0.00										1.0
HWQ	SZ	56	16	EP		924	38.28	0.00										1.0

May 19 2013 Hour: 11:47 17.9 Lat: 33.49N Lon: 35.70E Depth: 0 Agency: REL Local
Magnitudes: 3.2MC 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	7	346	EP		1147	18.92	-0.02							1.0
QRWL	SN	7	346	ES		1147	19.77	0.04							1.0
RCY	SZ	13	87	EP		1147	19.83	-0.11							1.0
RCY	SN	13	87	ES		1147	21.54	0.07							1.0
DQRL	SN	27	334	EP		1147	22.15	-0.03	74						1.0
DQRL	SE	27	334	ES		1147	25.38	0.01							1.0
BHL	BZ	46	355	EP		1147	25.26	-0.05							1.0
BHL	BN	46	355	ES		1147	30.85	0.04							1.0
HWQ	SZ	90	15	EP		1147	32.44	-0.00							1.0

May 19 2013 Hour: 15:33 1.4 Lat: 33.54N Lon: 35.71E Depth: 0 Agency: REL Local
Magnitudes: 2.8MC 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	3	282	EP		1533	1.79	-0.10							1.0
QRWL	SN	3	282	ES		1533	2.24	0.01							1.0
RCY	SZ	13	114	EP		1533	3.38	-0.11							1.0
RCY	SN	13	114	ES		1533	5.02	0.00							1.0
SHBL	BZ	22	172	EP		1533	5.00	0.05							1.0
SHBL	BN	22	172	ES		1533	7.54	-0.01							1.0
DQRL	SZ	22	324	EP		1533	5.00	-0.03	46						1.0
DQRL	SN	22	324	ES		1533	7.71	0.01							1.0
BHL	BZ	40	353	EP		1533	7.98	0.02							1.0
HWQ	SZ	84	15	EP		1533	15.12	0.06							1.0

May 19 2013 Hour: 16:19 42.6 Lat: 33.44N Lon: 35.62E Depth: 0 Agency: REL Local
Magnitudes: 2.6MC 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	13	28	EP		1619	44.73	-0.02							1.0
QRWL	SN	13	28	ES		1619	46.38	0.05							1.0
SHBL	BZ	16	131	EP		1619	45.23	0.06							1.0
SHBL	BN	16	131	ES		1619	47.05	-0.02							1.0
RCY	SZ	21	74	EP		1619	45.96	-0.10	33						1.0
DQRL	SZ	30	352	EP		1619	47.35	-0.03							1.0
DQRL	SN	30	352	ES		1619	50.84	-0.06							1.0
BHL	BZ	51	4	EP		1619	50.93	0.03							1.0
HWQ	SZ	98	18	EP		1619	58.45	0.09							1.0

May 19 2013 Hour: 18:44 9.0 Agency: REL Distant
EMSC OT=18:44:09.0 52.29N 160.18E 10Km M=5.9 E.COAST KAMCHATKA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EP		1856	26.78								
QRWL	SZ			EP		1856	28.50								
SHBL	BZ			EP		1856	29.52								

May 19 2013 Hour: 21:17 0.0 Agency: REL Local

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EP		2117	29.37								
QRWL	SZ			EP		2117	31.14								

May 19 2013 Hour: 22:50 0.0

Agency: REL Local

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EP		2251	3.47								
DQRL	SZ			EP		2251	5.17								
SHBL	BZ			EP		2251	6.31								
QRWL	SZ			EP		2251	5.40								

May 20 2013 Hour: 0:25 0.0

Agency: REL Local

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EP		025	31.16								
SHBL	BZ			EP		025	33.89								
QRWL	SZ			EP		025	32.93								
DQRL	SZ			EP		025	32.39								

May 20 2013 Hour: 13:24 26.4

Lat: 33.38N Lon: 35.65E Depth: 9 Agency: REL Local

Magnitudes: 2.8MC REL

Rms: 0.0 secs

MOUNT HERMON REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	BZ	10	110	EP		1324	28.71	-0.01							1.0
SHBL	BN	10	110	ES		1324	30.47	0.01							1.0
QRWL	SZ	19	10	EP		1324	29.80	-0.09							1.0
QRWL	SN	19	10	ES		1324	32.50	0.01							1.0
RCY	SZ	22	53	EP		1324	30.35	0.02	46						1.0
DQRL	SZ	37	349	EP		1324	32.64	0.05							1.0
DQRL	SN	37	349	ES		1324	37.19	0.00							1.0
HWQ	SZ	104	15	EP		1324	42.91	-0.00							1.0

May 20 2013 Hour: 13:47 0.0

Agency: REL Local

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ			EP		1348	18.90								
RCY	SZ			EP		1348	18.99								

May 20 2013 Hour: 15:44 36.9

Lat: 33.95N Lon: 36.21E Depth: 3 Agency: REL Local

Magnitudes: 3.0MC REL

Rms: 0.0 secs

CENTRAL BEKAA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	44	326	EP		1544	44.04	-0.01	58						1.0
HWQ	SE	44	326	ES		1544	49.36	0.01							1.0
BHL	BZ	52	265	EP		1544	45.29	0.03							1.0
RCY	SZ	61	215	EP		1544	46.64	-0.08							1.0
RCY	SN	61	215	ES		1544	53.99	-0.01							1.0
DQRL	SZ	65	246	EP		1544	47.44	0.04							1.0
DQRL	SE	65	246	ES		1544	55.13	-0.06							1.0
SHBL	BZ	79	213	EP		1544	49.68	-0.00							1.0
SHBL	BN	79	213	ES		1544	59.23	0.08							1.0

May 20 2013 Hour: 22:48 40.0

Agency: REL Regional

EMSC OT=22:48:40.0 35.43N 26.53E 30Km M=4.2 CRETE, GREECE

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	BZ			EP		2250	31.03								

May 20 2013 Hour: 22:51 45.0

Agency: REL Distant

EMSC OT=22:51:45.0 52.39N 160.10E 30Km M=5.3 E.COAST KAMCHATKA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EP		23 3	59.28								
DQRL	SZ			EP		23 4	0.83								
QRWL	SZ			EP		23 4	1.23								
SHBL	BZ			EP		23 4	1.89								

May 20 2013 Hour: 23:125.0 Agency: REL Distant
EMSC OT=23:01:25.0 52.43N 160.24E 16Km M=5.6 E.COAST KAMCHATKA
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 BHL BZ EP 2313 40.24
 DQRL SZ EP 2313 41.95
 QRWL SZ EP 2313 41.95
 SHBL BZ EP 2313 43.28

May 21 2013 Hour: 1:55 4.0 Agency: REL Distant
EMSC OT=01:55:04.0 52.44N 160.48E 10Km M=6.0 E.COAST KAMCHATKA
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 BHL BZ EP 2 7 22.14
 DQRL SZ EP 2 7 23.60
 RCY SZ EP 2 7 23.95
 QRWL SZ EP 2 7 23.95
 SHBL BZ EP 2 7 24.43

May 21 2013 Hour: 3:550.0 Agency: REL Distant
EMSC OT=03:05:50.0 52.40N 160.38E 10Km M=5.8 E.COAST KAMCHATKA
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 BHL BZ EP 318 7.35
 DQRL SZ EP 318 8.71
 QRWL SZ EP 318 8.84
 SHBL BZ EP 318 9.82

May 21 2013 Hour: 3:822.0 Agency: REL Distant
EMSC OT=03:08:22.0 52.43N 160.02E 42Km M=5.8 E.COAST KAMCHATKA
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 BHL BZ EP 320 33.38
 DQRL SZ EP 320 34.79
 RCY SZ EP 320 35.23
 QRWL SZ EP 320 35.06

May 21 2013 Hour: 5:4321.0 Agency: REL Distant
EMSC OT=05:43:21.0 52.34N 160.01E 30Km M=6.1 E.COAST KAMCHATKA
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 BHL BZ EP 555 34.53
 DQRL SZ EP 555 35.85
 RCY SZ EP 555 36.29
 QRWL SZ EP 555 36.29
 SHBL BZ EP 555 36.85

May 21 2013 Hour: 10:4611.3 Lat: 33.86N Lon: 35.83E Depth: 0 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 17 286 EP 1046 14.01-0.08 46 1.0
 BHL BE 17 286 ES 1046 16.18 0.02 1.0
 DQRL SZ 30 235 EP 1046 16.15 0.02 1.0
 DQRL SE 30 235 ES 1046 19.74 0.03 1.0
 RCY SZ 41 180 EP 1046 17.80-0.03 1.0
 RCY SN 41 180 ES 1046 22.67 0.00 1.0
 HWQ SZ 47 13 EP 1046 18.95 0.04 1.0

May 21 2013 Hour: 13:023.2 Lat: 34.09N Lon: 35.62E Depth: 7 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
 BHL BZ 21 171 EP 13 0 26.81-0.05 44 1.0
 BHL BE 21 171 ES 13 0 29.57 0.01 1.0
 HWQ SZ 37 56 EP 13 0 29.33 0.02 1.0
 DQRL SZ 43 186 EP 13 0 30.34 0.07 1.0
 RCY SZ 69 163 EP 13 0 34.35-0.08 1.0

RCY SE 69 163 ES 13 0 42.76 0.04 1.0

May 21 2013 Hour: 13:16 2.3 Lat: 33.38N Lon: 35.63E Depth: 4 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
SHBL	BZ	11	107	EP		1316	4.38	0.02							1.0
SHBL	BN	11	107	ES		1316	5.86	-0.02							1.0
QRWL	SZ	20	15	EP		1316	5.61	0.04							1.0
QRWL	SN	20	15	ES		1316	8.01	0.03							1.0
RCY	SZ	23	56	EP		1316	6.23	0.04	36						1.0
RCY	SN	23	56	ES		1316	9.03	-0.04							1.0
DQRL	SZ	37	352	EP		1316	8.22	-0.07							1.0

May 21 2013 Hour: 15: 8 18.4 Lat: 33.80N Lon: 35.76E 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	15	319	EP		15 8	21.85	0.00	41						1.0
DQRL	SZ	21	239	EP		15 8	22.57	0.04							1.0
DQRL	SN	21	239	ES		15 8	25.56	-0.02							1.0
RCY	SZ	35	169	EP		15 8	24.49	-0.01							1.0
RCY	SE	35	169	ES		15 8	29.00	0.00							1.0
HWQ	SZ	56	18	EP		15 8	27.58	-0.01							1.0

May 21 2013 Hour: 15:15 38.1 Lat: 33.45N 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
QRWL	SZ	11	15	EP		1515	39.77	-0.04							1.0
SHBL	BZ	14	144	EP		1515	40.41	0.00							1.0
SHBL	BN	14	144	ES		1515	42.13	-0.01							1.0
RCY	SZ	18	74	EP		1515	40.96	0.03	31						1.0
RCY	SE	18	74	ES		1515	43.04	-0.00							1.0
DQRL	SZ	29	345	EP		1515	42.77	0.02							1.0

May 21 2013 Hour: 15:25 51.1 Lat: 33.79N Lon: 35.77E 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	17	320	EP		1525	53.85	-0.02	37						1.0
DQRL	SZ	21	243	EP		1525	54.55	0.04							1.0
DQRL	SN	21	243	ES		1525	57.00	-0.01							1.0
RCY	SZ	33	169	EP		1525	56.44	-0.06							1.0
RCY	SE	33	169	ES		1526	0.51	0.03							1.0
HWQ	SZ	57	17	EP		1526	0.30	0.02							1.0

May 21 2013 Hour: 16: 6 56.2 Lat: 33.78N Lon: 35.78E Depth: 1 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	19	319	EP		16 6	59.13	-0.10	48						1.0
BHL	BN	19	319	ES		16 7	1.50	0.03							1.0
DQRL	SZ	21	248	EP		16 6	59.67	-0.01							1.0
DQRL	SN	21	248	ES		16 7	2.29	0.03							1.0
QRWL	SZ	27	200	EP		16 7	0.56	-0.04							1.0
BEYL	BZ	29	291	EP		16 7	0.90	0.02							1.0
RCY	SZ	32	171	EP		16 7	1.36	0.05							1.0
RCY	SN	32	171	ES		16 7	5.07	-0.01							1.0
HWQ	SZ	58	15	EP		16 7	5.53	0.04							1.0

May 22 2013 Hour: 9: 9 33.0 Lat: 33.31N Lon: 35.42E Depth: 0 Agency: REL Local
Magnitudes: 2.6MC 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	44	62	EP		9 9	40.05	0.00	34						1.0
RCY	SN	44	62	ES		9 9	45.28	-0.00							1.0
DQRL	SZ	46	18	EP		9 9	40.39	0.03							1.0
DQRL	SN	46	18	ES		9 9	45.83	0.00							1.0
BHL	BZ	69	18	EP		9 9	44.05	-0.08							1.0
HWQ	SZ	118	24	EP		9 9	52.01	0.05							1.0

May 22 2013 Hour: 12:18 58.5 Lat: 33.40N Lon: 35.65E 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
SHBL	BZ	10	125	EP		1219	0.15	-0.02							1.0
SHBL	BN	10	125	ES		1219	1.40	0.01							1.0
QRWL	SZ	17	9	EP		1219	1.12	-0.07							1.0
QRWL	SN	17	9	ES		1219	3.19	0.02							1.0
RCY	SZ	20	58	EP		1219	1.78	0.04	32						1.0
RCY	SE	20	58	ES		1219	4.11	-0.02							1.0
DQRL	SZ	35	347	EP		1219	4.16	0.03							1.0

May 22 2013 Hour: 13:55 37.5 Lat: 34.45N Lon: 36.04E Depth: 50 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.0 secs

NORTH LEBANON

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	21	206	EP		1355	45.52	0.04							1.0
HWQ	SN	21	206	ES		1355	51.37	-0.01							1.0
BHL	BZ	70	211	EP		1355	49.82	-0.06	40						1.0
DQRL	SZ	93	208	EP		1355	52.55	0.02							1.0
DQRL	SE	93	208	ES		1356	3.68	0.02							1.0
RCY	SZ	107	190	EP		1355	54.20	-0.05							1.0
SHBL	BZ	125	193	EP		1355	56.45	0.04							1.0

May 22 2013 Hour: 16: 2 34.0 Lat: 33.79N Lon: 35.78E Depth: 7 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.0 secs

BEIRUT REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	17	318	EP		16 2	37.08	-0.00	38						1.0
BHL	BN	17	318	ES		16 2	39.34	0.01							1.0
DQRL	SZ	21	243	EP		16 2	37.81	0.04							1.0
DQRL	SN	21	243	ES		16 2	40.48	-0.04							1.0
RCY	SZ	33	170	EP		16 2	39.64	0.00							1.0
RCY	SE	33	170	ES		16 2	43.77	0.00							1.0
HWQ	SZ	56	16	EP		16 2	43.18	-0.02							1.0

May 22 2013 Hour: 18:34 19.0 Lat: 34.07N Lon: 36.11E Depth: 0 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.0 secs

HERMEL BAALBEK REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	27	326	EP		1834	23.39	0.01	41						1.0
HWQ	SE	27	326	ES		1834	26.62	-0.02							1.0
BHL	BZ	46	246	EP		1834	26.41	-0.04							1.0
BHL	BN	46	246	ES		1834	31.98	0.00							1.0
DQRL	SZ	65	231	EP		1834	29.45	0.04							1.0
RCY	SZ	69	202	EP		1834	30.10	-0.01							1.0
RCY	SE	69	202	ES		1834	38.35	0.00							1.0

May 23 2013 Hour: 15:23 42.5 Lat: 33.46N Lon: 35.67E 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	8	EP		1523	44.09	-0.05							1.0
QRWL	SN	10	8	ES		1523	45.37	-0.01							1.0
SHBL	BZ	14	149	EP		1523	44.72	0.00							1.0
SHBL	BN	14	149	ES		1523	46.37	-0.01							1.0
RCY	SZ	16	74	EP		1523	45.15	0.03	26						1.0
DQRL	SZ	29	342	EP		1523	47.20	0.03							1.0

May 23 2013 Hour: 17:19 2.0 Agency: REL Distant

EMSC OT=17:19:02.0 23.04S 177.08W 155Km M=7.4 S.OF FIJI ISLANDS

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEYL	BZ			EP		1738	28.45								
DQRL	SZ			EP		1738	33.44								
BHL	BZ			EP		1738	28.65								
QRWL	SZ			EP		1738	29.58								
SHBL	BZ			EP		1738	29.02								
RCY	SZ			EP		1738	33.16								

May 23 2013 Hour: 21: 7 45.0 Agency: REL Distant

EMSC OT=21:07:45.0 20.53S 175.83W 137Km M=6.3 TONGA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EP		2127	12.80								
SHBL	BZ			EP		2127	13.33								
DQRL	SZ			EP		2127	13.87								

May 24 2013 Hour: 5:44 48.0 Agency: REL Distant

EMSC OT=05:44:48.0 54.91N 153.34E 598Km M=8.3 SEA OF OKHOTSK

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ			EP		555	36.75								
BHL	BZ			EP		555	39.43								
BEYL	BZ			EP		555	39.75								
DQRL	SZ			EP		555	40.80								
RCY	SZ			EP		555	41.09								
QRWL	SZ			EP		555	41.25								
SHBL	BZ			EP		555	41.94								

May 24 2013 Hour: 11:10 48.0 Agency: REL Distant

EMSC OT=11:10:48.0 24.32S 175.02W 2Km M=6.0 SOUTH OF TONGA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EP		1130	44.86								
SHBL	BZ			EP		1130	45.09								

May 24 2013 Hour: 15: 6 0.0 Agency: REL Local

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEYL	BZ			EP		15	7	25.57							
RCY	SZ			EP		15	7	26.75							
QRWL	SZ			EP		15	7	26.57							
HWQ	SZ			EP		15	7	22.54							
DQRL	SZ			EP		15	7	26.53							
BHL	BZ			EP		15	7	25.00							
SHBL	BZ			EP		15	7	27.41							

May 24 2013 Hour: 16: 9 44.2 Lat: 33.78N Lon: 35.78E Depth: 0 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.0 secs

BEIRUT REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	18	319	EP		16	9	47.07	-0.09	40					1.0
BHL	BN	18	319	ES		16	9	49.38	0.02						1.0
DQRL	SZ	21	248	EP		16	9	47.67	0.04						1.0
RCY	SZ	32	171	EP		16	9	49.24	-0.04						1.0

RCY	SE	32	171	ES	16	9	53.07	0.02										1.0
HWQ	SZ	58	15	EP	16	9	53.50	0.05										1.0

May 24 2013 Hour: 23:20 36.4 Lat: 32.77N Lon: 36.32E Depth: 0 Agency: REL Regional
Magnitudes: 3.4MC REL Rms: 0.0 secs

SYRIA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	BZ	83	320	EP		2320	49.80	-0.08							1.0
SHBL	BN	83	320	ES		2320	59.83	-0.00							1.0
QRWL	SZ	104	325	EP		2320	53.37	0.10							1.0
QRWL	SN	104	325	ES		2321	5.70	-0.03							1.0
DQRL	SZ	125	326	EP		2320	56.54	-0.01	87						1.0
BHL	BZ	140	334	EP		2320	58.93	0.02							1.0

May 25 2013 Hour: 10:20 14.1 Lat: 33.33N Lon: 35.59E Depth: 18 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
SHBL	BZ	15	80	EP		1020	18.04	-0.01							1.0
SHBL	BN	15	80	ES		1020	20.99	0.02							1.0
QRWL	SZ	26	20	EP		1020	19.19	-0.07							1.0
RCY	SZ	30	51	EP		1020	19.81	0.02	34						1.0
RCY	SN	30	51	ES		1020	24.00	-0.00							1.0
DQRL	SZ	42	358	EP		1020	21.48	0.05							1.0

May 25 2013 Hour: 13: 7 0.0 Agency: REL Local

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ			EP		13	8	20.31							
RCY	SZ			EP		13	8	20.86							

May 25 2013 Hour: 15: 2 17.1 Lat: 33.45N Lon: 35.64E Depth: 1 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	12	21	EP		15	2	18.91	-0.05	39					1.0
SHBL	BZ	15	139	EP		15	2	19.46	-0.07						1.0
SHBL	BN	15	139	ES		15	2	21.40	0.05						1.0
RCY	SZ	19	75	EP		15	2	20.21	0.03						1.0
RCY	SN	19	75	ES		15	2	22.49	-0.00						1.0
DQRL	SZ	29	348	EP		15	2	21.79	0.05						1.0

May 25 2013 Hour: 22:42 7.8 Lat: 33.49N Lon: 35.64E Depth: 0 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	28	EP		2242	9.01	-0.05							1.0
RCY	SZ	18	86	EP		2242	10.74	0.02	37						1.0
RCY	SN	18	86	ES		2242	12.86	-0.00							1.0
SHBL	BZ	18	149	EP		2242	10.68	-0.04							1.0
SHBL	BE	18	149	ES		2242	12.91	0.03							1.0
DQRL	SZ	25	344	EP		2242	11.91	0.02							1.0
BHL	BZ	46	1	EP		2242	15.30	0.01							1.0

May 26 2013 Hour: 6: 8 16.0 Agency: REL Distant
EMSC OT=06:08:16.0 40.03N 67.44E 21Km M=5.8 E.UZBEKISTAN

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ			EP		613	46.05								
BHL	BZ			EP		613	49.50								
RCY	SZ			EP		613	50.00								
QRWL	SZ			EP		613	50.80								
DQRL	SZ			EP		613	50.95								
SHBL	BZ			EP		613	51.15								

May 26 2013 Hour: 10: 7 57.8 Lat: 33.54N Lon: 35.71E 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	3	289	EP		10	7	58.16	-0.04						1.0
RCY	SZ	13	112	EP		10	7	59.75	-0.08	37					1.0
RCY	SN	13	112	ES		10	8	1.38	0.02						1.0
SHBL	BZ	22	171	EP		10	8	1.29	0.05						1.0
DQRL	SZ	22	325	EP		10	8	1.39	0.01						1.0
DQRL	SN	22	325	ES		10	8	4.05	-0.01						1.0
BHL	BZ	41	353	EP		10	8	4.37	0.04						1.0

May 27 2013 Hour: 3:41 0.0 Agency: REL Local

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ			EP		341	54.33								
DQRL	SZ			EP		341	57.86								
SHBL	BZ			EP		341	54.73								
BHL	BZ			EP		341	59.34								

May 27 2013 Hour: 11:25 41.6 Lat: 33.79N Lon: 35.78E Depth: 11 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	317	EP		1125	44.94	-0.00	36						1.0
DQRL	SZ	21	242	EP		1125	45.59	-0.02							1.0
DQRL	SN	21	242	ES		1125	48.56	0.01							1.0
RCY	SZ	34	170	EP		1125	47.43	0.01							1.0
RCY	SE	34	170	ES		1125	51.69	-0.01							1.0
HWQ	SZ	56	16	EP		1125	50.86	0.00							1.0

May 27 2013 Hour: 15:10 5.1 Lat: 33.46N Lon: 35.62E Depth: 4 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	12	28	EP		1510	6.96	-0.11	32						1.0
QRWL	SN	12	28	ES		1510	8.57	0.01							1.0
SHBL	BZ	16	137	EP		1510	7.72	-0.12							1.0
SHBL	BN	16	137	ES		1510	9.99	0.09							1.0
RCY	SZ	20	77	EP		1510	8.46	0.04							1.0
DQRL	SZ	28	350	EP		1510	9.75	0.09							1.0

May 27 2013 Hour: 19:43 24.7 Lat: 33.79N Lon: 35.77E 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	17	319	EP		1943	27.38	0.02	34						1.0
BHL	BE	17	319	ES		1943	29.35	-0.01							1.0
DQRL	SZ	21	243	EP		1943	28.06	-0.01							1.0
DQRL	SN	21	243	ES		1943	30.59	0.00							1.0
RCY	SZ	33	170	EP		1943	30.01	-0.00							1.0
HWQ	SZ	56	16	EP		1943	33.74	-0.00							1.0

May 27 2013 Hour: 20:22 4.0 Agency: REL Distant

EMSC OT=20:22:04.0 52.33N 160.15E 40Km M=5.5 E.COAST KAMCHATKA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EP		2034	16.49								
SHBL	BZ			EP		2034	18.71								

May 28 2013 Hour: 16:21 41.8 Lat: 33.82N Lon: 35.75E Depth: 21 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	13	319	EP		1621	45.85	-0.01	44						1.0
BHL	BE	13	319	ES		1621	48.89	0.00							1.0
DQRL	SZ	20	233	EP		1621	46.55	0.01							1.0
DQRL	SN	20	233	ES		1621	50.06	-0.01							1.0
RCY	SZ	36	167	EP		1621	48.49	-0.00							1.0
HWQ	SZ	54	20	EP		1621	50.95	0.00							1.0

May 29 2013 Hour: 11:57 45.7 Lat: 33.42N Lon: 35.63E Depth: 19 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	15	20	EP		1157	49.67	0.00							1.0
RCY	SZ	21	67	EP		1157	50.40	0.03	34						1.0
RCY	SN	21	67	ES		1157	53.81	-0.02							1.0
DQRL	SZ	32	351	EP		1157	51.63	-0.03							1.0
DQRL	SN	32	351	ES		1157	56.10	0.02							1.0

May 29 2013 Hour: 15:11 21.5 Lat: 33.79N Lon: 35.78E Depth: 7 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.0 secs

BEIRUT REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	17	317	EP		1511	24.56	-0.01	37						1.0
DQRL	SZ	22	244	EP		1511	25.25	0.00							1.0
DQRL	SN	22	244	ES		1511	28.02	0.00							1.0
RCY	SZ	33	171	EP		1511	27.04	-0.01							1.0
RCY	SE	33	171	ES		1511	31.16	0.01							1.0
HWQ	SZ	56	16	EP		1511	30.67	0.01							1.0

May 30 2013 Hour: 1: 4 40.5 Lat: 33.21N Lon: 38.07E Depth: 0 Agency: REL Regional
Magnitudes: 3.9MC REL Rms: 0.2 secs

SYRIA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	211	279	EP		1 5	12.82	0.01							1.0
SHBL	BZ	218	275	EP		1 5	13.65	-0.02							1.0
SHBL	BN	218	275	ES		1 5	38.25	0.02							1.0
QRWL	SZ	226	280	EP		1 5	14.59	-0.02							1.0
QRWL	SN	226	280	ES		1 5	40.04	0.17							1.0
HWQ	SZ	230	302	EP		1 5	15.15	-0.01							1.0
BHL	BZ	237	289	EP		1 5	16.16	0.07	175						1.0
DQRL	SZ	239	284	EP		1 5	16.34	0.05							1.0
DQRL	SN	239	284	ES		1 5	42.79	-0.01							1.0

May 30 2013 Hour: 9:36 55.3 Lat: 33.86N Lon: 35.82E Depth: 0 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	16	288	EP		936	57.81	-0.05	44						1.0
BHL	BN	16	288	ES		936	59.76	0.01							1.0
DQRL	SZ	29	233	EP		936	59.94	0.03							1.0
RCY	SZ	40	177	EP		937	1.82	-0.01							1.0
RCY	SN	40	177	ES		937	6.65	0.00							1.0
HWQ	SZ	48	14	EP		937	3.06	0.02							1.0

May 30 2013 Hour: 13:53 37.0 Lat: 33.78N Lon: 35.77E Depth: 0 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	323	EP		1353	39.73	-0.04	43						1.0
BHL	BN	17	323	ES		1353	41.84	-0.01							1.0
DQRL	SZ	20	246	EP		1353	40.22	0.05							1.0
BEYL	BZ	27	292	EP		1353	41.37	-0.00							1.0
RCY	SZ	32	168	EP		1353	42.07	-0.03							1.0
RCY	SE	32	168	ES		1353	45.91	-0.00							1.0
HWQ	SZ	58	17	EP		1353	46.32	0.04							1.0

May 30 2013 Hour: 16: 7 18.8 Lat: 33.82N Lon: 35.75E Depth: 28 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	12	315	EP		16 7	23.68	-0.02	34						1.0
DQRL	SZ	21	231	EP		16 7	24.40	0.04							1.0
DQRL	SN	21	231	ES		16 7	28.46	0.01							1.0
QRWL	SZ	31	191	EP		16 7	25.33	-0.07							1.0
RCY	SZ	37	167	EP		16 7	26.19	0.04							1.0
RCY	SN	37	167	ES		16 7	31.56	-0.00							1.0
HWQ	SZ	54	20	EP		16 7	28.26	0.05							0.2

May 31 2013 Hour: 11: 2 25.6 Lat: 33.40N Lon: 35.66E 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
SHBL	BZ	10	126	EP		11 2	27.21	-0.02							1.0
QRWL	SZ	17	8	EP		11 2	28.26	-0.04	32						1.0
QRWL	SN	17	8	ES		11 2	30.22	-0.05							1.0
RCY	SZ	20	57	EP		11 2	28.78	-0.03							1.0
RCY	SN	20	57	ES		11 2	31.21	0.05							1.0
DQRL	SZ	35	346	EP		11 2	31.35	0.09							1.0

May 31 2013 Hour: 13:25 55.0 Agency: REL Distant
 EMSC OT=13:25:55.0 28.43S 178.49W 276Km M=5.3 KERMADEC REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ			EP		1345	15.23								
BHL	BZ			EP		1345	15.42								
QRWL	SZ			EP		1345	15.62								
DQRL	SZ			EP		1345	15.87								

Epicentral Map of Lebanon

MAY 2013

