

Republic of Lebanon
National Council for Scientific Research

Provisional Seismological Bulletin

from the

NATIONAL SEISMIC NETWORK

June

2016

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	Nov2000-Sep2012
FKH	3414.69N	3624.61E	1152	FAKEHEH	Opened Dec 2004
RCY	3329.79N	3550.14E	1370	RACHAYA	Opened Jun 2006
BEYL	3352.30N	3529.59E	49	BEIRUT	Opened Jul 2006
NAQL	3307.02N	3508.46E	83	NAQOURA	Jul2008-Jan2012
DQRL	3342.34N	3534.21E	963	DEIR QAMAR	Opened Mar 2010
QRWL	3332.86N	3540.93E	875	QARAOUN	Opened Oct 2011
SHBL	3320.90N	3544.63E	1422	CHEBAA	Opened Oct 2011
ZAHL	3351.48N	3553.12E	1211	ZAHLE	Opened Aug 2015

REGIONAL AND DISTANT EARTHQUAKES

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

MACROSEISMIC DATA

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

MONTHLY EPICENTER MAPS

Maps will be found on the last page.

ELECTRONIC PUBLICATION

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

REFERENCES

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

Abbreviations:

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

LAT: Latitude of epicenter

LON: Longitude of epicenter

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

AGENCY: REL throughout the bulletin, aka. REsearch Lebanon

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

EMSC: Euro-Mediterranean Seismological Centre.

OT: Origin Time

RMS: Root mean square value of travel time residuals

STAT: Station code

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

DIST: Epicenter distance (km)

AZI: Azimuth from source to station

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

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

HR: Hour

MN: Minute

SECON: Seconds

TRES: Residual (seconds)

CODA: Signal duration in seconds

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

PERI: Period where amplitude is measured

BAZ: Back azimuth (station to event)

ARES: Back azimuth residual

VELO: Apparent phase velocity (km/sec)

WT: Weight of phase in the location

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

June 1 2016 Hour: 9:41 35.3 Lat: 33.47N Lon: 35.68E Depth: 0 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.0 secs

WEST BEKAA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	8	0	EP		941	36.60	-0.05	37						1.0
RCY	SZ	15	79	EP		941	37.65	-0.01							1.0
RCY	SN	15	79	ES		941	39.42	0.02							1.0
SHBL	BZ	15	157	EP		941	37.72	0.01							1.0
DQRL	SZ	28	338	EP		941	39.80	0.00							1.0
DQRL	SN	28	338	ES		941	43.16	0.03							1.0
HWQ	BZ	93	15	EP		941	50.29	0.04							0.2

June 1 2016 Hour: 11:51 59.3 Lat: 33.85N Lon: 35.78E Depth: 35 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.1 secs

BAABDA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	10	84	EP		1152	5.12	0.04							1.0
BHL	BZ	13	298	EP		1152	5.29	0.08	40						1.0
BHL	BN	13	298	ES		1152	9.56	0.01							1.0
DQRL	SZ	25	231	EP		1152	6.00	-0.04							1.0
DQRL	SN	25	231	ES		1152	10.96	-0.04							1.0
RCY	SZ	39	173	EP		1152	7.70	0.19							1.0
RCY	SN	39	173	ES		1152	13.43	-0.13							1.0
HWQ	BZ	50	18	EP		1152	8.60	-0.11							1.0

June 1 2016 Hour: 11:58 40.3 Lat: 33.33N Lon: 35.30E Depth: 1 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.0 secs

SAIDA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	BZ	41	87	EP		1158	46.92	-0.07							1.0
SHBL	BN	41	87	ES		1158	51.96	0.05							1.0
DQRL	SZ	49	31	EP		1158	48.26	0.07	43						1.0
DQRL	SN	49	31	ES		1158	53.96	-0.04							1.0
RCY	SZ	53	69	EP		1158	48.87	-0.02							1.0
HWQ	BZ	121	29	EP		1158	59.87	0.01							1.0

June 1 2016 Hour: 15:11 50.6 Lat: 33.79N Lon: 35.76E Depth: 12 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.0 secs

ALEY REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	14	57	EP		1511	53.62	-0.01							1.0
BHL	BZ	16	321	EP		1511	53.88	-0.03	33						1.0
BHL	BN	16	321	ES		1511	56.39	0.01							1.0
DQRL	SZ	20	242	EP		1511	54.45	0.01							1.0
RCY	SZ	33	168	EP		1511	56.33	-0.03							1.0
RCY	SN	33	168	ES		1512	0.67	0.02							1.0
HWQ	BZ	57	17	EP		1511	59.97	0.02							1.0

June 1 2016 Hour: 21:27 36.0 Lat: 34.90N Lon: 38.49E Depth: 0 Agency: REL Regional
Magnitudes: 3.5MC REL Rms: 0.1 secs

SYRIA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	BZ	243	254	EP		2128	12.37	-0.01	92						1.0
HWQ	BN	243	254	ES		2128	39.27	-0.00							1.0
ZAHL	SZ	266	245	EP		2128	15.04	-0.14							1.0
BHL	BZ	283	248	EP		2128	17.36	0.06							1.0
BHL	BN	283	248	ES		2128	47.96	0.12							1.0
DQRL	SZ	299	245	EP		2128	19.38	0.04							1.0
DQRL	SN	299	245	ES		2128	51.26	-0.13							1.0
SHBL	BZ	306	237	EP		2128	20.25	0.05							1.0
SHBL	BN	306	237	ES		2128	52.91	0.02							1.0

June 1 2016 Hour: 22:56 1.5 Agency: REL Distant
EMSC OT=22:56:01.5 2.09S 100.64E 55Km M=6.4 INDONESIA
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 RCY SZ EP 23 7 10.29
 SHBL BZ EP 23 7 11.02
 HWQ BZ EP 23 7 10.92
 QRWL SZ EP 23 7 11.02
 BHL BZ EP 23 7 11.97
 DQRL SZ EP 23 7 12.07

June 2 2016 Hour: 8:10 50.1 Lat: 33.39N Lon: 35.63E Depth: 6 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.1 secs
HASBAYA REGION
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 SHBL BZ 12 116 EP 810 52.50 0.12 1.0
 QRWL SZ 18 15 EP 810 53.12-0.09 44 1.0
 RCY SZ 22 59 EP 810 53.64-0.26 1.0
 RCY SN 22 59 ES 810 56.78 0.08 1.0
 DQRL SZ 35 351 EP 810 55.84-0.06 1.0
 DQRL SN 35 351 ES 811 0.22 0.05 1.0
 HWQ SZ 102 16 EP 811 6.81 0.15 1.0

June 2 2016 Hour: 11:2 49.2 Agency: REL Distant
EMSC OT=11:02:49.2 23.58S 177.64W 263Km M=5.1 FIJI ISLANDS
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 BHL BZ EP 1122 7.03
 SHBL BZ EP 1122 7.36

June 2 2016 Hour: 15:12 27.8 Lat: 33.80N Lon: 35.78E Depth: 11 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.0 secs
ALEY REGION
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 ZAHL SZ 12 56 EP 1512 30.55-0.02 1.0
 BHL BZ 16 317 EP 1512 30.98-0.06 40 1.0
 BHL BN 16 317 ES 1512 33.48 0.02 1.0
 DQRL SZ 21 242 EP 1512 31.75 0.03 1.0
 RCY SZ 34 170 EP 1512 33.49-0.06 1.0
 RCY SN 34 170 ES 1512 37.88 0.04 1.0
 HWQ BZ 56 16 EP 1512 37.02 0.05 1.0

June 2 2016 Hour: 16:13 3.7 Lat: 33.80N Lon: 35.82E Depth: 6 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.1 secs
ZAHLE REGION
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 ZAHL SZ 9 42 EP 1613 5.64-0.03 1.0
 ZAHL SN 9 42 ES 1613 7.09-0.01 1.0
 BHL BZ 19 307 EP 1613 7.12 0.01 37 1.0
 BHL BN 19 307 ES 1613 9.65 0.05 1.0
 DQRL SZ 26 246 EP 1613 7.96-0.07 1.0
 QRWL SZ 31 205 EP 1613 8.79-0.06 1.0
 RCY SZ 34 178 EP 1613 9.39 0.07 1.0
 RCY SN 34 178 ES 1613 13.48 0.03 1.0
 HWQ BZ 54 12 EP 1613 12.73 0.14 0.2

June 3 2016 Hour: 1:57 14.3 Lat: 32.81N Lon: 36.93E Depth: 1 Agency: REL Regional
Magnitudes: 3.2MC REL Rms: 0.2 secs
SYRIA REGION
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 SHBL BZ 126 299 EP 157 34.66-0.00 1.0
 SHBL BN 126 299 ES 157 49.78 0.06 1.0
 QRWL SZ 143 305 EP 157 37.01-0.07 1.0
 ZAHL SZ 152 320 EP 157 38.36-0.10 1.0
 DQRL SZ 161 308 EP 157 39.86 0.02 1.0

BHL	BZ	170	316	EP		157	41.17	0.04	69								1.0
HWQ	BZ	187	331	EP		157	43.52	0.01									1.0
HWQ	BN	187	331	ES		158	5.17	0.06									1.0

June 3 2016 Hour: 3:44.3 Lat: 33.65N Lon: 35.56E Depth: 2 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.1 secs

CHOUF REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ	7	5	EP		3	4	44.57	0.02	40					1.0
QRWL	SZ	15	135	EP		3	4	45.68	-0.18						1.0
BHL	BZ	30	16	EP		3	4	48.15	-0.03						1.0
BHL	BN	30	16	ES		3	4	51.81	0.03						1.0
SHBL	BZ	37	153	EP		3	4	49.31	0.01						1.0
SHBL	BN	37	153	ES		3	4	53.84	0.11						1.0
ZAHL	SZ	38	51	EP		3	4	49.50	0.03						1.0

June 3 2016 Hour: 9:52 58.4 Lat: 33.48N Lon: 35.69E Depth: 9 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.0 secs

WEST BEKAA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	7	357	EP		953	0.55	0.05	36						1.0
RCY	SZ	14	83	EP		953	1.24	-0.05							1.0
RCY	SN	14	83	ES		953	3.43	0.01							1.0
SHBL	BZ	16	160	EP		953	1.53	0.02							1.0
DQRL	SZ	27	337	EP		953	3.06	-0.06							1.0
DQRL	SN	27	337	ES		953	6.61	0.01							1.0
HWQ	BZ	92	15	EP		953	13.22	0.03							1.0

June 3 2016 Hour: 14:52 0.9 Lat: 33.97N Lon: 36.17E Depth: 26 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.0 secs

BAALBECK REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	29	244	EP		1452	7.10	-0.09							1.0
ZAHL	SN	29	244	ES		1452	11.83	0.03							1.0
HWQ	BZ	40	329	EP		1452	8.46	0.01							1.0
HWQ	BN	40	329	ES		1452	14.02	0.01							1.0
BHL	BZ	48	261	EP		1452	9.54	0.02							1.0
BHL	BN	48	261	ES		1452	15.85	-0.01							1.0
RCY	SZ	61	210	EP		1452	11.34	0.04	45						1.0
DQRL	SZ	63	242	EP		1452	11.49	-0.01							1.0

June 4 2016 Hour: 2:22 56.8 Agency: REL Regional
EMSC OT=02:22:56.8 35.40N 31.55E 10Km M=4.2 CYPRUS REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EP		223	57.15								
HWQ	BZ			EP		223	56.72								
DQRL	SZ			EP		223	56.81								
QRWL	SZ			EP		223	57.51								
RCY	SZ			EP		223	59.60								
SHBL	BZ			EP		223	59.17								

June 4 2016 Hour: 2:56 43.0 Agency: REL Regional
EMSC OT=02:56:43.0 35.55N 26.54E 10Km M=4.3 CRETE, GREECE

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ			EP		258	33.81								
HWQ	BZ			EP		258	35.15								
SHBL	BZ			EP		258	35.20								

June 4 2016 Hour: 5:35 53.8 Lat: 33.41N Lon: 35.66E Depth: 8 Agency: REL Local
Magnitudes: 2.5MC REL Rms: 0.0 secs

HASBAYA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	BZ	11	131	EP		535	56.12	-0.02							1.0
QRWL	SZ	15	9	EP		535	56.62	-0.07							1.0
RCY	SZ	19	60	EP		535	57.31	0.04	31						1.0
RCY	SN	19	60	ES		535	59.82	0.00							1.0
DQRL	SZ	34	346	EP		535	59.53	0.08							1.0
DQRL	SN	34	346	ES		536	3.59	-0.02							1.0
HWQ	BZ	100	15	EP		536	9.87	-0.03							1.0

June 4 2016 Hour: 15: 6 28.4 Lat: 33.78N Lon: 35.78E Depth: 6 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.1 secs

ALEY REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	13	51	EP		15 6	30.94	0.03							1.0
BHL	BZ	18	320	EP		15 6	31.45	-0.06	36						1.0
BHL	BN	18	320	ES		15 6	33.74	-0.06							1.0
DQRL	SZ	21	246	EP		15 6	32.04	0.03							1.0
DQRL	SN	21	246	ES		15 6	34.74	0.07							1.0
RCY	SZ	32	170	EP		15 6	33.64	-0.16							1.0
RCY	SN	32	170	ES		15 6	37.83	0.05							1.0
HWQ	BZ	57	16	EP		15 6	37.82	0.10							1.0

June 5 2016 Hour: 1:11 30.0 Agency: REL Regional
EMSC OT=01:11:30.0 34.19N 26.14E 10Km M=4.3 CRETE, GREECE

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ			EP		113	23.64								
QRWL	SZ			EP		113	22.84								
SHBL	BZ			EP		113	24.49								
RCY	SZ			EP		113	26.28								
HWQ	SZ			EP		113	27.23								

June 5 2016 Hour: 5: 6 8.8 Lat: 34.03N Lon: 35.69E Depth: 20 Agency: REL Local
Magnitudes: 3.0MC REL Rms: 0.0 secs

KESROUAN REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	14	192	EP		5 6	12.85	0.04	56						1.0
BHL	BN	14	192	ES		5 6	15.77	-0.02							1.0
ZAHL	SZ	26	135	EP		5 6	14.09	-0.06							1.0
HWQ	BZ	37	41	EP		5 6	15.41	-0.07							1.0
HWQ	BN	37	41	ES		5 6	20.50	0.07							1.0
DQRL	SZ	37	197	EP		5 6	15.48	-0.03							1.0
QRWL	SZ	53	180	EP		5 6	17.77	0.05							1.0
QRWL	SN	53	180	ES		5 6	24.36	0.02							1.0

June 5 2016 Hour: 13:54 50.2 Lat: 33.79N Lon: 35.78E Depth: 11 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.0 secs

ALEY REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	12	52	EP		1354	52.98	0.02							1.0
BHL	BZ	17	317	EP		1354	53.52	-0.05	38						1.0
BHL	BN	17	317	ES		1354	56.07	-0.02							1.0
DQRL	SZ	22	244	EP		1354	54.24	0.05							1.0
DQRL	SN	22	244	ES		1354	57.18	0.01							1.0
RCY	SZ	33	171	EP		1354	55.79	-0.08							1.0
RCY	SN	33	171	ES		1355	0.12	0.03							1.0
HWQ	BZ	56	16	EP		1354	59.47	0.04							1.0

June 5 2016 Hour: 16:25 32.6 Agency: REL Distant
EMSC OT=16:25:32.6 4.54S 125.73E 427Km M=6.3 BANDA SEA
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 HWQ BZ EP 1637 56.38
 ZAHL SZ EP 1637 56.86
 RCY SZ EP 1637 57.04
 SHBL BZ EP 1637 57.22
 BHL BZ EP 1637 57.46

June 6 2016 Hour: 2:35 25.3 Agency: REL Distant
EMSC OT=02:35:25.3 30.32S 177.49W 10Km M=6.0 KERMADEC ISLANDS
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 BHL BZ EP 255 12.82
 HWQ BZ EP 255 13.00

June 6 2016 Hour: 4:20 43.5 Agency: REL Regional
EMSC OT=04:20:43.5 34.64N 31.01E 40Km M=3.6 CYPRUS REGION
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 DQRL SZ EP 421 39.92
 QRWL SZ EP 421 41.41
 HWQ BZ EP 421 42.58
 SHBL BZ EP 421 43.24
 RCY SZ EP 421 43.60

June 6 2016 Hour: 14:15 5.8 Lat: 34.01N Lon: 35.78E Depth: 0 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.1 secs
KESROUAN REGION
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 BHL BZ 17 224 EP 1415 8.32-0.13 44 1.0
 BHL BN 17 224 ES 1415 10.44 0.01 1.0
 ZAHL SZ 20 150 EP 1415 8.89-0.07 1.0
 HWQ BZ 33 28 EP 1415 11.21 0.07 1.0
 DQRL SZ 39 210 EP 1415 12.07-0.00 1.0
 DQRL SN 39 210 ES 1415 16.83 0.09 1.0
 RCY SZ 58 175 EP 1415 15.00-0.04 1.0
 RCY SN 58 175 ES 1415 21.96 0.06 1.0

June 6 2016 Hour: 15:54 33.9 Lat: 33.98N Lon: 36.18E Depth: 18 Agency: REL Local
Magnitudes: 3.1MC REL Rms: 0.1 secs
BAALBECK REGION
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 ZAHL SZ 31 243 EP 1554 39.70 0.03 1.0
 ZAHL SN 31 243 ES 1554 43.93-0.02 1.0
 HWQ BZ 39 326 EP 1554 40.86 0.04 67 1.0
 HWQ BN 39 326 ES 1554 45.95-0.00 1.0
 BHL BZ 50 260 EP 1554 42.12-0.15 1.0
 BHL BN 50 260 ES 1554 48.53 0.06 1.0
 RCY SZ 63 211 EP 1554 44.13-0.07 1.0
 DQRL SZ 65 242 EP 1554 44.41-0.01 1.0
 QRWL SZ 67 224 EP 1554 44.84 0.07 1.0
 SHBL BZ 81 210 EP 1554 46.95 0.05 1.0
 SHBL BN 81 210 ES 1554 56.55 0.01 1.0

June 6 2016 Hour: 16:42 42.7 Lat: 32.40N Lon: 35.38E Depth: 0 Agency: REL Regional
Magnitudes: 3.2MC 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 110 18 EP 1643 0.52 0.01 1.0
 SHBL BN 110 18 ES 1643 13.76 0.09 1.0
 RCY SZ 129 19 EP 1643 3.24-0.22 1.0
 RCY SN 129 19 ES 1643 18.84 0.03 1.0
 QRWL SZ 130 13 EP 1643 3.49-0.21 1.0
 DQRL SZ 146 7 EP 1643 6.02-0.02 64 1.0

DQRL	SN	146	7	ES	1643	23.25	-0.05										1.0
BHL	BZ	168	9	EP	1643	9.57	0.16										1.0
HWQ	BZ	215	14	EP	1643	15.72	0.20										1.0

June 7 2016 Hour: 14:43 2.3 Lat: 33.99N Lon: 36.21E Depth: 24 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.1 secs

BAALBECK REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	33	245	EP		1443	8.77	-0.03							1.0
HWQ	BZ	41	323	EP		1443	9.71	-0.04							1.0
HWQ	BN	41	323	ES		1443	15.23	-0.01							1.0
BHL	BZ	52	260	EP		1443	11.36	0.08	43						1.0
BHL	BE	52	260	ES		1443	18.01	0.10							1.0
RCY	SZ	64	213	EP		1443	13.11	0.09							1.0
RCY	SN	64	213	ES		1443	20.91	-0.02							1.0
DQRL	SZ	67	243	EP		1443	13.26	-0.08							1.0
DQRL	SN	67	243	ES		1443	21.39	-0.10							1.0

June 7 2016 Hour: 15:35 43.0 Lat: 33.67N Lon: 35.69E Depth: 11 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.0 secs

CHOUF REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ	11	287	EP		1535	45.75	0.03							1.0
DQRL	SN	11	287	ES		1535	47.77	0.00							1.0
RCY	SZ	24	145	EP		1535	47.35	-0.05							1.0
RCY	SE	24	145	ES		1535	50.67	-0.02							1.0
BHL	BZ	26	353	EP		1535	47.57	-0.00	48						1.0
BHL	BN	26	353	ES		1535	50.93	-0.06							1.0
ZAHL	SZ	27	42	EP		1535	47.95	0.10							1.0
SHBL	BZ	37	172	EP		1535	49.27	0.02							1.0
HWQ	BZ	71	20	EP		1535	54.52	-0.02							1.0

June 7 2016 Hour: 15:37 49.8 Lat: 33.67N Lon: 35.69E Depth: 5 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.1 secs

CHOUF REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ	12	288	EP		1537	51.97	0.02	34						1.0
DQRL	SN	12	288	ES		1537	53.55	0.02							1.0
RCY	SZ	24	145	EP		1537	53.76	-0.05							1.0
RCY	SN	24	145	ES		1537	56.77	-0.00							1.0
BHL	BZ	26	353	EP		1537	53.96	-0.14							1.0
BHL	BN	26	353	ES		1537	57.26	-0.02							1.0
ZAHL	SZ	27	42	EP		1537	54.42	0.06							1.0
SHBL	BZ	36	172	EP		1537	55.83	0.04							1.0
SHBL	BE	36	172	ES		1538	0.19	-0.02							1.0
HWQ	BZ	71	19	EP		1538	1.41	0.07							1.0

June 7 2016 Hour: 15:38 41.4 Lat: 33.68N Lon: 35.71E Depth: 4 Agency: REL Local
Magnitudes: 2.3MC REL Rms: 0.0 secs

CHOUF REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ	13	283	EP		1538	43.72	0.01	22						1.0
DQRL	SN	13	283	ES		1538	45.42	-0.00							1.0
RCY	SZ	23	150	EP		1538	45.22	-0.02							1.0
RCY	SN	23	150	ES		1538	48.10	0.01							1.0
BHL	BZ	26	348	EP		1538	45.59	-0.02							1.0
SHBL	BZ	37	175	EP		1538	47.38	0.00							1.0
HWQ	BZ	70	18	EP		1538	52.95	0.24							0.2

June 7 2016 Hour: 16:26 10.6 Lat: 33.66N Lon: 35.67E Depth: 14 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.1 secs

CHOUF REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ	11	299	EP		1626	13.65	0.03	36						1.0
DQRL	SN	11	299	ES		1626	15.87	0.03							1.0
RCY	SZ	24	140	EP		1626	15.19	-0.01							1.0
RCY	SN	24	140	ES		1626	18.57	-0.01							1.0
BHL	BZ	27	357	EP		1626	15.46	-0.19							1.0
HWQ	BZ	73	20	EP		1626	22.54	0.15							1.0

June 7 2016 Hour: 19:9 31.4 Agency: REL Regional

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	BZ			EP		1928	9.09								
BHL	BZ			EP		1928	10.14								
SHBL	BZ			EP		1928	10.99								

June 8 2016 Hour: 2:46 33.1 Lat: 33.67N Lon: 35.70E Depth: 11 Agency: REL Local
Magnitudes: 2.4MC REL Rms: 0.0 secs

CHOUF REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ	12	287	EP		246	35.95	0.05	27						1.0
DQRL	SN	12	287	ES		246	38.01	0.02							1.0
QRWL	SZ	14	185	EP		246	36.07	-0.05							1.0
QRWL	SN	14	185	ES		246	38.34	-0.04							1.0
RCY	SZ	24	147	EP		246	37.49	0.06							1.0
RCY	SN	24	147	ES		246	40.67	0.02							1.0
BHL	BZ	26	351	EP		246	37.66	-0.05							1.0

June 8 2016 Hour: 4:37 30.0 Lat: 33.68N Lon: 35.69E Depth: 10 Agency: REL Local
Magnitudes: 2.4MC REL Rms: 0.1 secs

CHOUF REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ	12	286	EP		437	32.65	0.04	25						1.0
DQRL	SN	12	286	ES		437	34.53	-0.00							1.0
QRWL	SZ	14	183	EP		437	32.83	-0.09							1.0
RCY	SZ	24	146	EP		437	34.24	-0.06							1.0
RCY	SN	24	146	ES		437	37.53	0.05							1.0
SHBL	BZ	37	172	EP		437	36.27	0.06							1.0

June 8 2016 Hour: 7:25 35.3 Lat: 33.67N Lon: 35.70E Depth: 7 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.1 secs

CHOUF REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ	12	287	EP		725	37.75	0.05	33						1.0
DQRL	SN	12	287	ES		725	39.51	0.03							1.0
QRWL	SZ	14	185	EP		725	37.92	-0.02							1.0
QRWL	SN	14	185	ES		725	39.88	-0.01							1.0
RCY	SZ	24	147	EP		725	39.33	-0.03							1.0
RCY	SN	24	147	ES		725	42.35	-0.00							1.0
BHL	BZ	26	351	EP		725	39.58	-0.12							1.0
BHL	BN	26	351	ES		725	42.90	-0.05							1.0
ZAHL	SZ	27	40	EP		725	39.94	0.07							1.0
SHBL	BZ	36	173	EP		725	41.34	0.00							1.0
HWQ	BZ	71	19	EP		725	46.90	0.07							1.0

June 8 2016 Hour: 8:45 26.2 Lat: 33.41N Lon: 35.65E Depth: 8 Agency: REL Local
Magnitudes: 2.5MC REL Rms: 0.0 secs

HASBAYA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	BZ	11	129	EP		845	28.62	-0.03	29						1.0
SHBL	BN	11	129	ES		845	30.48	0.02							1.0
QRWL	SZ	15	12	EP		845	29.07	-0.02							1.0

QRWL	SN	15	12	ES		845	31.21	-0.01										1.0
RCY	SZ	20	62	EP		845	29.77	0.01										1.0
DQRL	SZ	33	347	EP		845	31.81	0.03										1.0

June 8 2016 Hour: 14: 8 17.0 Lat: 33.52N Lon: 36.43E Depth: 3 Agency: REL Local
Magnitudes: 3.0MC REL Rms: 0.1 secs

SYRIA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	55	267	EP		14	8	25.87	-0.07	56					1.0
RCY	SN	55	267	ES		14	8	32.51	-0.08						1.0
SHBL	BZ	67	253	EP		14	8	27.88	0.11						1.0
SHBL	BN	67	253	ES		14	8	35.82	0.05						1.0
QRWL	SZ	70	272	EP		14	8	28.25	0.03						1.0
DQRL	SZ	82	284	EP		14	8	30.28	-0.00						1.0
DQRL	SN	82	284	ES		14	8	40.16	0.02						1.0
BHL	BZ	84	301	EP		14	8	30.37	-0.09						1.0
HWQ	SZ	95	332	EP		14	8	32.96	0.66						0.2

June 8 2016 Hour: 17: 1 29.9 Lat: 34.64N Lon: 38.15E Depth: 32 Agency: REL Regional
Magnitudes: 3.5MC REL Rms: 0.1 secs

SYRIA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	206	259	EP		17	1	58.77	-0.00	90					1.0
HWQ	SN	206	259	ES		17	2	20.12	0.00						1.0
ZAHL	SZ	226	248	EP		17	2	1.25	0.06						1.0
ZAHL	SN	226	248	ES		17	2	24.33	-0.00						1.0
BHL	BZ	244	251	EP		17	2	3.25	-0.16						1.0
DQRL	SZ	259	247	EP		17	2	5.49	0.16						1.0
SHBL	BZ	264	238	EP		17	2	5.94	-0.06						1.0

June 9 2016 Hour: 4:13 8.1 Agency: REL Distant
EMSC OT=04:13:08.1 11.38S 116.24E 25Km M=6.1 SOUTH OF LOMBOK, INDONESIA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	BZ			EP		425	59.22								
BHL	BZ			EP		425	59.78								

June 9 2016 Hour: 14:59 0.3 Lat: 33.81N Lon: 35.75E Depth: 17 Agency: REL Local
Magnitudes: 2.4MC REL Rms: 0.0 secs

BAABDA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	14	321	EP		1459	3.93	0.02	27						1.0
BHL	BN	14	321	ES		1459	6.59	-0.01							1.0
DQRL	SZ	20	236	EP		1459	4.55	-0.00							1.0
RCY	SZ	35	167	EP		1459	6.56	-0.02							1.0
RCY	SN	35	167	ES		1459	11.25	0.01							1.0
HWQ	SZ	55	19	EP		1459	9.46	-0.00							1.0

June 9 2016 Hour: 15: 8 31.9 Lat: 33.83N Lon: 35.75E Depth: 33 Agency: REL Local
Magnitudes: 2.5MC REL Rms: 0.0 secs

BAABDA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	13	313	EP		15	8	37.47	-0.01	31					1.0
DQRL	SZ	22	232	EP		15	8	38.10	0.01						1.0
DQRL	SN	22	232	ES		15	8	42.66	-0.00						1.0
RCY	SZ	37	168	EP		15	8	39.67	-0.01						1.0
RCY	SN	37	168	ES		15	8	45.45	0.01						1.0
HWQ	SZ	53	19	EP		15	8	41.68	0.10						0.2

June 10 2016 Hour: 18:29 54.7 Agency: REL Distant
EMSC OT=18:29:54.7 16.92S 177.16W 10Km M=5.8 FIJI REGION
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 BHL BZ EP 1849 37.10
 SHBL BZ EP 1849 37.65

June 11 2016 Hour: 6:0 45.6 Lat: 33.47N Lon: 35.69E Depth: 0 Agency: REL Local
Magnitudes: 2.5MC REL Rms: 0.0 secs
HASBAYA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	8	357	EP		6	0	46.94	-0.01						1.0
RCY	SZ	14	79	EP		6	0	47.91	0.02	30					1.0
RCY	SN	14	79	ES		6	0	49.58	-0.00						1.0
SHBL	BZ	15	159	EP		6	0	47.98	-0.01						1.0
DQRL	SZ	28	337	EP		6	0	50.13	0.01						1.0
DQRL	SN	28	337	ES		6	0	53.47	-0.00						1.0

June 11 2016 Hour: 12:47 30.2 Lat: 33.80N Lon: 35.76E Depth: 12 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.0 secs

ALEY REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	13	61	EP		1247	33.25	-0.00							1.0
BHL	BZ	15	321	EP		1247	33.39	-0.04	38						1.0
DQRL	SZ	20	239	EP		1247	34.06	-0.02							1.0
DQRL	SN	20	239	ES		1247	37.01	0.03							1.0
RCY	SZ	34	168	EP		1247	36.11	-0.01							1.0
RCY	SN	34	168	ES		1247	40.53	0.00							1.0
HWQ	SZ	56	18	EP		1247	39.48	0.03							1.0

June 11 2016 Hour: 14:25 27.4 Lat: 33.79N Lon: 35.78E Depth: 12 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.0 secs

ALEY REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	12	54	EP		1425	30.35	-0.00							1.0
BHL	BZ	17	317	EP		1425	30.87	-0.01	35						1.0
BHL	BN	17	317	ES		1425	33.49	-0.00							1.0
DQRL	SZ	22	243	EP		1425	31.48	-0.03							1.0
DQRL	SN	22	243	ES		1425	34.62	0.03							1.0
HWQ	SZ	56	16	EP		1425	36.67	0.02							1.0

June 11 2016 Hour: 15:42 22.7 Lat: 33.99N Lon: 36.17E Depth: 16 Agency: REL Local
Magnitudes: 3.0MC REL Rms: 0.0 secs

Earthquake was felt
BAALBECK REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	30	241	EP		1542	28.29	0.00	59						1.0
HWQ	SZ	38	327	EP		1542	29.37	0.02							1.0
HWQ	SE	38	327	ES		1542	34.26	-0.00							1.0
BHL	BZ	49	259	EP		1542	30.86	-0.06							1.0
RCY	SZ	63	210	EP		1542	33.08	0.04							1.0
RCY	SN	63	210	ES		1542	40.64	-0.03							1.0
DQRL	SZ	64	240	EP		1542	33.13	-0.02							1.0
DQRL	SN	64	240	ES		1542	40.91	0.04							1.0

June 12 2016 Hour: 15:30 20.5 Lat: 34.68N Lon: 36.27E Depth: 3 Agency: REL Local
Magnitudes: 3.3MC REL Rms: 0.1 secs

SYRIA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	54	214	EP		1530	29.07	-0.06	88						1.0
HWQ	SN	54	214	ES		1530	35.50	-0.04							1.0
BHL	BZ	103	214	EP		1530	36.98	-0.11							1.0
BHL	BN	103	214	ES		1530	49.54	0.15							1.0
DQRL	SZ	126	211	EP		1530	40.85	0.18							1.0

DQRL SN 126 211 ES 1530 55.51-0.11 1.0

June 12 2016 Hour: 22: 8 35.0 Lat: 33.59N Lon: 35.79E Depth: 0 Agency: REL Local
Magnitudes: 2.4MC REL Rms: 0.0 secs

RACHAYA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	11	243	EP		22	8	36.89	0.04	26					1.0
DQRL	SZ	24	301	EP		22	8	38.96	0.08						1.0
DQRL	SN	24	301	ES		22	8	41.67	-0.06						1.0
SHBL	BZ	28	189	EP		22	8	39.47	-0.02						1.0
SHBL	BN	28	189	ES		22	8	42.77	-0.02						1.0
BHL	BZ	37	340	EP		22	8	40.92	-0.02						1.0

June 13 2016 Hour: 8:48 13.5 Lat: 33.41N Lon: 35.66E Depth: 6 Agency: REL Local
Magnitudes: 2.3MC REL Rms: 0.0 secs

HASBAYA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	BZ	10	132	EP		848	15.52	0.01							1.0
QRWL	SZ	16	7	EP		848	16.16	-0.04	22						1.0
RCY	SZ	19	59	EP		848	16.75	0.02							1.0
RCY	SN	19	59	ES		848	19.15	-0.00							1.0
DQRL	SZ	34	345	EP		848	19.05	-0.01							1.0
DQRL	SN	34	345	ES		848	23.23	0.03							1.0

June 13 2016 Hour: 16:57 28.0 Lat: 33.79N Lon: 35.77E Depth: 9 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.0 secs

ALEY REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	13	55	EP		1657	30.62	0.03							1.0
BHL	BZ	17	318	EP		1657	31.08	0.00	37						1.0
DQRL	SZ	21	243	EP		1657	31.75	0.01							1.0
DQRL	SN	21	243	ES		1657	34.54	0.01							1.0
QRWL	SZ	29	197	EP		1657	32.76	-0.07							1.0
QRWL	SN	29	197	ES		1657	36.43	-0.01							1.0
RCY	SZ	33	170	EP		1657	33.66	0.05							1.0
RCY	SN	33	170	ES		1657	37.75	-0.04							1.0
SHBL	BZ	49	183	EP		1657	36.17	0.06							1.0
HWQ	SZ	56	17	EP		1657	37.11	-0.04							1.0

June 13 2016 Hour: 18: 6 27.2 Lat: 34.03N Lon: 35.94E Depth: 9 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.1 secs

KESROUAN REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	19	196	EP		18	6	30.72	-0.03						1.0
HWQ	SZ	28	1	EP		18	6	32.02	-0.03						1.0
HWQ	SN	28	1	ES		18	6	35.65	0.02						1.0
BHL	BZ	30	243	EP		18	6	32.39	0.09	42					1.0
BHL	BN	30	243	ES		18	6	36.05	-0.00						1.0
DQRL	SZ	49	224	EP		18	6	35.21	-0.14						1.0
QRWL	SZ	58	204	EP		18	6	36.76	0.02						1.0
SHBL	BZ	77	194	EP		18	6	39.86	0.06						1.0

June 13 2016 Hour: 21:37 4.5 Lat: 33.76N Lon: 35.68E Depth: 11 Agency: REL Local
Magnitudes: 2.5MC REL Rms: 0.1 secs

ALEY REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ	12	239	EP		2137	7.31	-0.05	30						1.0
DQRL	SN	12	239	ES		2137	9.50	0.05							1.0
BHL	BZ	16	351	EP		2137	7.76	-0.07							1.0
BHL	BN	16	351	ES		2137	10.27	0.00							1.0
ZAHL	SZ	22	60	EP		2137	8.58	-0.02							1.0
HWQ	SZ	62	23	EP		2137	14.87	0.08							1.0

June 14 2016 Hour: 2: 7 37.8 Lat: 34.68N Lon: 38.47E Depth: 33 Agency: REL Regional
Magnitudes: 3.9MC REL Rms: 0.1 secs

SYRIA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	236	260	EP		2 8	10.29	0.01	169						1.0
HWQ	SE	236	260	ES		2 8	34.30	-0.04							1.0
ZAHL	SZ	255	250	EP		2 8	12.63	0.00							1.0
BHL	BZ	273	252	EP		2 8	14.86	-0.01							1.0
RCY	SZ	276	242	EP		2 8	15.39	0.08							1.0
RCY	SN	276	242	ES		2 8	43.03	-0.06							1.0
QRWL	SZ	286	245	EP		2 8	16.52	0.03							1.0
DQRL	SZ	288	249	EP		2 8	16.70	-0.05							1.0
DQRL	SE	288	249	ES		2 8	45.70	0.09							1.0
SHBL	BZ	292	240	EP		2 8	17.18	-0.07							1.0

June 14 2016 Hour: 5:56 33.8 Lat: 33.46N Lon: 35.71E Depth: 11 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.0 secs

HASBAYA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	BZ	12	165	EP		556	36.78	-0.00							1.0
SHBL	BN	12	165	ES		556	38.95	-0.01							1.0
RCY	SZ	13	69	EP		556	36.80	0.00	47						1.0
DQRL	SZ	31	335	EP		556	39.19	0.01							1.0
DQRL	SN	31	335	ES		556	43.13	-0.00							1.0
HWQ	SZ	94	14	EP		556	48.78	0.00							1.0

June 14 2016 Hour: 10:51 43.2 Lat: 33.55N Lon: 35.72E Depth: 0 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.1 secs

WEST BEKAA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	3	274	EP		1051	43.59	-0.09							1.0
RCY	SZ	12	116	EP		1051	45.19	0.03	34						1.0
RCY	SE	12	116	ES		1051	46.60	-0.05							1.0
SHBL	BZ	22	173	EP		1051	46.77	0.06							1.0
DQRL	SZ	22	323	EP		1051	46.78	0.03							1.0
DQRL	SN	22	323	ES		1051	49.44	0.02							1.0

June 14 2016 Hour: 15:20 10.8 Lat: 33.79N Lon: 35.77E Depth: 14 Agency: REL Local
Magnitudes: 2.4MC REL Rms: 0.0 secs

ALEY REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	13	57	EP		1520	14.13	-0.00							1.0
BHL	BZ	16	320	EP		1520	14.42	-0.01	25						1.0
DQRL	SZ	21	242	EP		1520	15.02	0.03							1.0
DQRL	SN	21	242	ES		1520	18.06	0.01							1.0
QRWL	SZ	28	196	EP		1520	15.95	-0.08							1.0
RCY	SZ	34	169	EP		1520	16.86	0.05							1.0
RCY	SN	34	169	ES		1520	21.22	-0.00							1.0

June 15 2016 Hour: 12:38 43.6 Lat: 33.39N Lon: 35.65E Depth: 16 Agency: REL Local
Magnitudes: 2.3MC REL Rms: 0.0 secs

HASBAYA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	BZ	10	119	EP		1238	46.95	0.02							1.0
QRWL	SZ	18	10	EP		1238	47.51	-0.06							1.0
RCY	SZ	21	56	EP		1238	48.05	0.03	22						1.0
RCY	SN	21	56	ES		1238	51.26	-0.01							1.0
DQRL	SZ	36	348	EP		1238	49.91	-0.02							1.0
DQRL	SN	36	348	ES		1238	54.62	0.04							1.0

June 15 2016 Hour: 14:19 3.7 Lat: 33.79N Lon: 35.76E Depth: 8 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.0 secs

ALEY REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	14	56	EP		1419	6.39	0.01							1.0
BHL	BZ	16	321	EP		1419	6.71	-0.02	39						1.0
DQRL	SZ	20	242	EP		1419	7.40	0.09							1.0
DQRL	SE	20	242	ES		1419	9.93	-0.04							1.0
RCY	SZ	33	168	EP		1419	9.24	-0.06							1.0
RCY	SN	33	168	ES		1419	13.47	0.03							1.0
SHBL	BZ	49	182	EP		1419	11.77	-0.01							1.0
HWQ	BZ	57	17	EP		1419	12.99	0.01							1.0

June 15 2016 Hour: 15:4 22.6 Lat: 33.80N Lon: 35.78E Depth: 15 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.0 secs

ZAHLE REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	12	58	EP		15 4	25.80	-0.03							1.0
BHL	BZ	16	315	EP		15 4	26.31	0.04	38						1.0
DQRL	SZ	22	241	EP		15 4	26.98	-0.00							1.0
DQRL	SN	22	241	ES		15 4	30.20	-0.02							1.0
RCY	SZ	34	171	EP		15 4	28.62	-0.07							1.0
RCY	SN	34	171	ES		15 4	33.26	0.07							1.0
HWQ	BZ	55	16	EP		15 4	31.73	0.01							1.0

June 15 2016 Hour: 16:5 41.6 Lat: 33.78N Lon: 35.76E Depth: 6 Agency: REL Local
Magnitudes: 2.4MC REL Rms: 0.1 secs

ALEY REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	14	54	EP		16 5	44.11	-0.02							1.0
BHL	BZ	17	323	EP		16 5	44.36	-0.15	27						1.0
BHL	BE	17	323	ES		16 5	46.75	0.07							1.0
DQRL	SZ	20	244	EP		16 5	45.03	0.03							1.0
RCY	SZ	33	168	EP		16 5	46.98	-0.00							1.0
RCY	SN	33	168	ES		16 5	50.99	0.01							1.0
HWQ	BZ	57	17	EP		16 5	50.96	0.06							1.0

June 15 2016 Hour: 23:9 1.1 Lat: 33.78N Lon: 35.79E Depth: 2 Agency: REL Local
Magnitudes: 2.4MC REL Rms: 0.1 secs

ALEY REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	12	48	EP		23 9	3.14	-0.07							1.0
ZAHL	SN	12	48	ES		23 9	4.78	0.04							1.0
BHL	BZ	18	317	EP		23 9	4.04	-0.07	25						1.0
BHL	BE	18	317	ES		23 9	6.31	0.00							1.0
DQRL	SZ	22	246	EP		23 9	4.79	0.07							1.0
QRWL	SZ	28	200	EP		23 9	5.67	-0.03							1.0
HWQ	BZ	57	15	EP		23 9	10.34	0.05							1.0

June 16 2016 Hour: 0:48 3.5 Agency: REL Distant
EMSC OT=00:48:03.5 20.84S 178.61W 564Km M=5.2 FIJI REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	BZ			EP		1 6	41.68								
BHL	BZ			EP		1 6	42.46								
SHBL	BZ			EP		1 6	43.65								

June 16 2016 Hour: 1:51 26.9 Lat: 34.05N Lon: 36.27E Depth: 7 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.0 secs

BAALBECK REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	BZ	39	310	EP		151	33.29	-0.00							1.0
HWQ	BN	39	310	ES		151	38.04	0.00							1.0
ZAHL	SZ	41	239	EP		151	33.64	-0.05							1.0

ZAHL	SN	41	239	ES	151	38.75	0.03									1.0
BHL	BZ	59	254	EP	151	36.52	0.03	37								1.0
BHL	BN	59	254	ES	151	43.58	-0.03									1.0
DQRL	SZ	75	239	EP	151	39.08	0.02									1.0

June 16 2016 Hour: 10:33 21.7 Lat: 34.27N Lon: 36.56E Depth: 7 Agency: REL Local
Magnitudes: 2.9MC REL Rms: 0.1 secs

BAALBECK REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	BZ	57	271	EP		1033	30.93	-0.02	50						1.0
HWQ	BN	57	271	ES		1033	37.81	-0.00							1.0
BHL	BZ	93	244	EP		1033	36.93	0.13							1.0
RCY	SZ	109	218	EP		1033	39.19	0.01							1.0
RCY	SN	109	218	ES		1033	52.12	-0.01							1.0
DQRL	SZ	111	236	EP		1033	39.33	-0.11							1.0

June 16 2016 Hour: 10:34 42.6 Lat: 33.49N Lon: 35.68E Depth: 2 Agency: REL Local
Magnitudes: 2.9MC REL Rms: 0.1 secs

WEST BEKAA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	6	2	EP		1034	43.63	-0.09	50						1.0
QRWL	SN	6	2	ES		1034	44.55	-0.00							1.0
RCY	SZ	15	88	EP		1034	45.10	0.09							1.0
DQRL	SZ	26	337	EP		1034	46.80	0.00							1.0
DQRL	SN	26	337	ES		1034	50.05	0.14							1.0
BHL	BZ	46	357	EP		1034	49.87	-0.14							1.0

June 16 2016 Hour: 11:16 26.0 Lat: 34.77N Lon: 36.09E Depth: 1 Agency: REL Local
Magnitudes: 3.0MC REL Rms: 0.0 secs

SYRIA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	BZ	56	194	EP		1116	34.93	-0.05	61						1.0
HWQ	BN	56	194	ES		1116	41.66	-0.00							1.0
BHL	BZ	104	203	EP		1116	42.77	0.06							1.0
DQRL	SZ	127	202	EP		1116	46.46	-0.01							1.0
DQRL	SN	127	202	ES		1117	1.63	-0.02							1.0
RCY	SZ	143	190	EP		1116	48.81	0.00							1.0
RCY	SN	143	190	ES		1117	5.74	0.02							1.0

June 16 2016 Hour: 15: 7 34.8 Lat: 33.78N Lon: 35.78E Depth: 5 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.0 secs

ALEY REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	13	48	EP		15 7	37.11	0.00							1.0
BHL	BZ	18	320	EP		15 7	37.77	-0.08	46						1.0
BHL	BN	18	320	ES		15 7	40.16	0.02							1.0
DQRL	SZ	21	248	EP		15 7	38.31	0.03							1.0
RCY	SZ	32	171	EP		15 7	39.96	-0.00							1.0
RCY	SN	32	171	ES		15 7	43.81	-0.01							1.0
HWQ	BZ	58	15	EP		15 7	44.11	0.02							1.0

June 16 2016 Hour: 15: 9 25.6 Lat: 33.78N Lon: 35.77E Depth: 0 Agency: REL Local
Magnitudes: 2.4MC REL Rms: 0.1 secs

ALEY REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	14	51	EP		15 9	27.87	-0.01							1.0
BHL	BZ	17	323	EP		15 9	28.34	-0.07	27						1.0
DQRL	SZ	20	246	EP		15 9	28.92	0.09							1.0
DQRL	SN	20	246	ES		15 9	31.18	-0.03							1.0
RCY	SZ	32	168	EP		15 9	30.69	-0.07							1.0
RCY	SN	32	168	ES		15 9	34.60	0.02							1.0
HWQ	BZ	58	17	EP		15 9	35.00	0.07							1.0

June 17 2016 Hour: 4:47 1.6 Lat: 33.48N Lon: 35.68E Depth: 5 Agency: REL Local
Magnitudes: 2.5MC REL Rms: 0.1 secs

WEST BEKAA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	8	2	EP		447	3.09	-0.10	32						1.0
QRWL	SN	8	2	ES		447	4.41	0.01							1.0
RCY	SZ	15	82	EP		447	4.20	0.03							1.0
SHBL	BZ	16	157	EP		447	4.29	-0.01							1.0
SHBL	BN	16	157	ES		447	6.35	0.03							1.0
DQRL	SZ	27	338	EP		447	6.05	-0.04							1.0
DQRL	SN	27	338	ES		447	9.52	0.08							1.0

June 17 2016 Hour: 16:3 35.2 Lat: 33.78N Lon: 35.77E Depth: 8 Agency: REL Local
Magnitudes: 3.0MC REL Rms: 0.1 secs

ALEY REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	14	52	EP		16 3	37.95	0.02							1.0
ZAHL	SE	14	52	ES		16 3	39.99	0.02							1.0
BHL	BZ	17	322	EP		16 3	38.22	-0.15	60						1.0
DQRL	SZ	20	245	EP		16 3	38.87	0.08							1.0
DQRL	SN	20	245	ES		16 3	41.50	0.05							1.0
QRWL	SZ	27	197	EP		16 3	39.76	-0.06							1.0
RCY	SZ	32	169	EP		16 3	40.67	0.04							1.0
RCY	SN	32	169	ES		16 3	44.61	-0.05							1.0
HWQ	BZ	58	17	EP		16 3	44.65	0.05							1.0

June 18 2016 Hour: 10:42 36.1 Lat: 33.42N Lon: 35.67E Depth: 2 Agency: REL Local
Magnitudes: 2.3MC REL Rms: 0.0 secs

HASBAYA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	BZ	10	141	EP		1042	37.88	0.01							1.0
QRWL	SZ	14	3	EP		1042	38.40	-0.09	22						1.0
RCY	SZ	17	60	EP		1042	39.00	0.03							1.0
RCY	SN	17	60	ES		1042	41.06	-0.00							1.0
DQRL	SZ	33	343	EP		1042	41.51	-0.01							1.0
DQRL	SN	33	343	ES		1042	45.56	0.06							1.0

June 18 2016 Hour: 14:31 18.5 Lat: 33.78N Lon: 35.76E Depth: 7 Agency: REL Local
Magnitudes: 2.9MC REL Rms: 0.1 secs

ALEY REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	14	53	EP		1431	21.16	-0.02	54						1.0
ZAHL	SN	14	53	ES		1431	23.16	0.03							1.0
BHL	BZ	17	323	EP		1431	21.44	-0.13	50						1.0
DQRL	SZ	20	245	EP		1431	22.09	0.10							1.0
DQRL	SN	20	245	ES		1431	24.54	0.01							1.0
RCY	SZ	32	168	EP		1431	23.89	-0.04							1.0
RCY	SN	32	168	ES		1431	27.90	-0.02							1.0
HWQ	BZ	58	17	EP		1431	27.98	0.06							1.0

June 18 2016 Hour: 17:7 14.8 Lat: 33.48N Lon: 36.59E Depth: 0 Agency: REL Local
Magnitudes: 3.3MC REL Rms: 0.2 secs

SYRIA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	70	271	EP		17 7	25.75	-0.37							1.0
RCY	SN	70	271	ES		17 7	34.60	0.08							1.0
SHBL	BZ	80	260	EP		17 7	27.89	0.16							1.0
QRWL	SZ	85	275	EP		17 7	28.47	0.01							1.0
DQRL	SZ	98	285	EP		17 7	30.67	0.08	81						1.0
BHL	BZ	99	299	EP		17 7	30.76	0.06							1.0
BHL	BE	99	299	ES		17 7	42.44	-0.05							1.0
HWQ	BZ	107	326	EP		17 7	32.57	0.61							0.2

June 19 2016 Hour: 14:49 55.8 Lat: 33.79N Lon: 35.78E Depth: 8 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.0 secs

ALEY REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	13	53	EP		1449	58.34	0.01							1.0
BHL	BZ	17	318	EP		1449	58.89	-0.02	42						1.0
BHL	BN	17	318	ES		1450	1.22	-0.02							1.0
DQRL	SZ	21	244	EP		1449	59.55	0.02							1.0
DQRL	SN	21	244	ES		1450	2.34	0.02							1.0
RCY	SZ	33	170	EP		1450	1.25	-0.07							1.0
RCY	SN	33	170	ES		1450	5.46	0.03							1.0
HWQ	BZ	56	16	EP		1450	5.03	0.04							1.0

June 19 2016 Hour: 19:20 48.0 Lat: 33.70N Lon: 35.69E Depth: 5 Agency: REL Local
Magnitudes: 3.1MC REL Rms: 0.1 secs

CHOUF REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ	11	271	EP		1920	50.14	0.01	69						1.0
DQRL	SN	11	271	ES		1920	51.75	0.05							1.0
QRWL	SZ	17	183	EP		1920	50.96	-0.03							1.0
BHL	BZ	23	351	EP		1920	51.67	-0.12							1.0
BHL	BN	23	351	ES		1920	54.56	-0.04							1.0
ZAHL	SZ	25	46	EP		1920	52.16	0.01							1.0
RCY	SZ	27	150	EP		1920	52.44	0.01							1.0
RCY	SN	27	150	ES		1920	55.72	0.00							1.0
SHBL	BZ	40	173	EP		1920	54.48	-0.03							1.0
HWQ	BZ	68	20	EP		1920	59.15	0.14							1.0

June 19 2016 Hour: 23:13 44.4 Agency: REL Distant
EMSC OT=23:13:44.4 5.56S 11.52W 10Km M=5.5 ASCENSION ISLAND REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	BZ			EP		2323	50.13								
BHL	BZ			EP		2323	47.37								

June 20 2016 Hour: 10:38 29.5 Lat: 33.54N Lon: 35.73E Depth: 0 Agency: REL Local
Magnitudes: 2.2MC REL Rms: 0.1 secs

RACHAYA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	4	275	EP		1038	30.02	-0.15	20						1.0
RCY	SZ	12	117	EP		1038	31.30	-0.07							1.0
RCY	SN	12	117	ES		1038	32.76	0.01							1.0
SHBL	BZ	22	176	EP		1038	33.08	0.06							1.0
SHBL	BN	22	176	ES		1038	35.68	0.05							1.0
DQRL	SZ	23	321	EP		1038	33.55	0.34							0.2
DQRL	SN	23	321	ES		1038	36.05	0.09							1.0

June 20 2016 Hour: 15:51 53.7 Lat: 33.97N Lon: 36.30E Depth: 4 Agency: REL Local
Magnitudes: 2.9MC REL Rms: 0.0 secs

BAALBECK REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	40	253	EP		1552	0.24	0.01							1.0
HWQ	BZ	48	317	EP		1552	1.51	0.07	48						1.0
HWQ	BN	48	317	ES		1552	7.12	-0.04							1.0
BHL	BZ	60	264	EP		1552	3.42	-0.00							1.0
RCY	SZ	67	220	EP		1552	4.64	0.02							1.0
RCY	SN	67	220	ES		1552	12.69	-0.01							1.0
DQRL	SZ	73	247	EP		1552	5.52	-0.05							1.0
DQRL	SN	73	247	ES		1552	14.39	0.04							1.0
QRWL	SZ	74	231	EP		1552	5.55	-0.05							1.0

June 20 2016 Hour: 16:1 5.4 Lat: 33.99N Lon: 36.07E Depth: 27 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.0 secs

BAALBECK REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	23	229	EP		16	1	11.13	0.01						1.0
ZAHL	SN	23	229	ES		16	1	15.31	-0.01						1.0
HWQ	BZ	34	340	EP		16	1	12.29	-0.00	45					1.0
BHL	BN	34	340	ES		16	1	17.36	-0.00						1.0
BHL	BZ	40	256	EP		16	1	13.00	-0.01						1.0
BHL	BN	40	256	ES		16	1	18.61	0.01						1.0
DQRL	SZ	56	236	EP		16	1	15.15	-0.00						1.0

June 20 2016 Hour: 16:1 59.1 Lat: 34.03N Lon: 35.98E Depth: 13 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.0 secs

BAALBECK REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	21	205	EP		16	2	3.20	-0.03						1.0
ZAHL	SN	21	205	ES		16	2	6.28	0.02						1.0
HWQ	BZ	28	354	EP		16	2	4.26	0.01	38					1.0
BHL	BZ	33	246	EP		16	2	4.94	-0.02						1.0
BHL	BN	33	246	ES		16	2	9.28	0.00						1.0
DQRL	SZ	52	227	EP		16	2	7.82	0.01						1.0

June 20 2016 Hour: 18:13 7.4 Lat: 33.79N Lon: 35.78E Depth: 9 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.1 secs

ALEY REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	12	53	EP		1813	10.14	0.06	49						1.0
ZAHL	SE	12	53	ES		1813	11.99	-0.04							1.0
BHL	BZ	17	318	EP		1813	10.58	-0.09	37						1.0
DQRL	SZ	21	244	EP		1813	11.24	-0.03							1.0
DQRL	SN	21	244	ES		1813	14.20	0.08							1.0
QRWL	SZ	28	198	EP		1813	12.23	-0.06							1.0
RCY	SZ	33	171	EP		1813	12.96	-0.07							1.0
RCY	SN	33	171	ES		1813	17.22	0.05							1.0
SHBL	BZ	49	184	EP		1813	15.55	0.01							1.0
HWQ	BZ	56	16	EP		1813	16.76	0.08							1.0

June 21 2016 Hour: 10:32 37.6 Lat: 33.53N Lon: 35.71E Depth: 0 Agency: REL Local
Magnitudes: 2.3MC REL Rms: 0.1 secs

RACHAYA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	3	312	EP		1032	37.98	-0.16	22						1.0
QRWL	SN	3	312	ES		1032	38.56	0.03							1.0
RCY	SZ	13	107	EP		1032	39.53	-0.11							1.0
RCY	SN	13	107	ES		1032	41.17	0.03							1.0
SHBL	BZ	20	170	EP		1032	40.98	0.08							1.0
DQRL	SZ	23	327	EP		1032	41.46	0.07							1.0
HWQ	BZ	86	15	EP		1032	51.55	0.06							1.0

June 21 2016 Hour: 11:40 38.9 Agency: REL Distant
EMSC OT=11:40:38.9 23.49S 179.16E 556Km M=5.3 SOUTH OF FIJI ISLANDS

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	BZ			EP		1159	17.81								
BHL	BZ			EP		1159	18.79								
SHBL	BZ			EP		1159	19.41								

June 21 2016 Hour: 16:26 34.6 Agency: REL Distant
EMSC OT=16:26:34.6 22.58N 45.11W 10Km M=6.1 NORTHERN MID-ATLANTIC RIDGE
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 BHL BZ EP 1637 46.78
 HWQ BZ EP 1637 49.71
 SHBL BZ EP 1637 51.57

June 21 2016 Hour: 19:24 12.6 Agency: REL Distant
EMSC OT=19:24:12.6 23.75S 179.91W 539Km M=4.8 SOUTH OF FIJI ISLANDS
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 HWQ BZ EP 1942 55.69
 BHL BZ EP 1942 56.32
 SHBL BZ EP 1942 57.52

June 22 2016 Hour: 5:59 31.4 Lat: 33.87N Lon: 35.84E Depth: 0 Agency: REL Local
Magnitudes: 3.0MC REL Rms: 0.0 secs
BAABDA REGION
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 ZAHL SZ 4 107 EP 559 32.06-0.01 1.0
 BHL BZ 18 283 EP 559 34.22-0.05 1.0
 BHL BN 18 283 ES 559 36.43 0.02 1.0
 DQRL SZ 31 234 EP 559 36.41 0.02 1.0
 DQRL SN 31 234 ES 559 40.12 0.02 1.0
 QRWL SZ 39 203 EP 559 37.53-0.07 1.0
 RCY SZ 41 181 EP 559 38.04 0.00 1.0
 RCY SN 41 181 ES 559 43.01 0.04 1.0
 HWQ BZ 46 12 EP 559 38.85-0.01 60 1.0
 HWQ BN 46 12 ES 559 44.42 0.03 1.0
 SHBL BZ 58 189 EP 559 40.82 0.01 1.0

June 22 2016 Hour: 13:15 29.8 Lat: 34.04N Lon: 35.71E Depth: 4 Agency: REL Local
Magnitudes: 2.9MC REL Rms: 0.0 secs
KESROUAN REGION
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 BHL BZ 17 200 EP 1315 32.59-0.05 1.0
 BHL BN 17 200 ES 1315 34.76 0.03 1.0
 ZAHL SZ 26 142 EP 1315 34.09-0.04 1.0
 HWQ BZ 34 40 EP 1315 35.33 0.01 55 1.0
 HWQ BN 34 40 ES 1315 39.40 0.00 1.0
 DQRL SZ 40 200 EP 1315 36.30-0.01 1.0
 RCY SZ 62 169 EP 1315 39.88 0.05 1.0

June 22 2016 Hour: 15:37 18.5 Lat: 33.79N Lon: 35.78E Depth: 8 Agency: REL Local
Magnitudes: 2.9MC REL Rms: 0.0 secs
ALEY REGION
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 ZAHL SZ 13 52 EP 1537 21.09 0.02 1.0
 ZAHL SN 13 52 ES 1537 22.96-0.01 1.0
 BHL BZ 17 320 EP 1537 21.59-0.04 56 1.0
 DQRL SZ 21 245 EP 1537 22.24 0.06 1.0
 DQRL SN 21 245 ES 1537 24.88-0.02 1.0
 RCY SZ 33 170 EP 1537 23.90-0.08 1.0
 RCY SN 33 170 ES 1537 28.06 0.03 1.0
 HWQ BZ 57 16 EP 1537 27.80 0.02 1.0

June 23 2016 Hour: 0:24 34.5 Lat: 33.63N Lon: 35.51E Depth: 12 Agency: REL Local
Magnitudes: 2.4MC REL Rms: 0.1 secs
CHOUF REGION
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 DQRL SZ 10 32 EP 024 37.22 0.11 26 1.0
 DQRL SN 10 32 ES 024 39.09 0.02 1.0
 BHL BZ 33 23 EP 024 40.01-0.19 1.0
 SHBL BZ 38 146 EP 024 40.91-0.03 1.0

ZAHL	SZ	43	54	EP		024	41.67	0.00										1.0
HWQ	BZ	82	29	EP		024	47.75	0.08										1.0

June 23 2016 Hour: 4:15 3.1 Agency: REL Regional
EMSC OT=04:15:03.1 36.17N 28.73E 40Km M=3.3 DODECANESE-TURKEY BORDER REG

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	BZ			EP		416	30.59								
SHBL	BZ			EP		416	33.36								

June 23 2016 Hour: 11:3 0.6 Lat: 33.41N Lon: 35.66E Depth: 10 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.0 secs

HASBAYA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	BZ	10	132	EP		11	3	3.09	0.01						1.0
QRWL	SZ	16	6	EP		11	3	3.63	-0.06						1.0
RCY	SZ	19	59	EP		11	3	4.18	0.02	41					1.0
RCY	SN	19	59	ES		11	3	6.76	-0.00						1.0
DQRL	SZ	34	345	EP		11	3	6.40	-0.01						1.0
DQRL	SN	34	345	ES		11	3	10.71	0.03						1.0

June 23 2016 Hour: 11:35 37.0 Agency: REL Distant
EMSC OT=11:35:37.0 36.51N 70.85E 200Km M=5.4 HINDU KUSH REGION, AFGHANISTAN

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	BZ			EP		1141	14.16								
BHL	BZ			EP		1141	16.94								
SHBL	BZ			EP		1141	18.00								

June 23 2016 Hour: 15:19 32.5 Lat: 33.79N Lon: 35.77E Depth: 7 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.0 secs

ALEY REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	14	54	EP		1519	35.06	0.02							1.0
BHL	BZ	17	321	EP		1519	35.43	-0.06	41						1.0
DQRL	SZ	20	244	EP		1519	36.03	0.02							1.0
DQRL	SN	20	244	ES		1519	38.64	0.02							1.0
RCY	SZ	33	169	EP		1519	37.91	-0.02							1.0
RCY	SN	33	169	ES		1519	41.96	-0.01							1.0
HWQ	BZ	57	17	EP		1519	41.80	0.03							1.0

June 23 2016 Hour: 15:21 24.3 Lat: 33.78N Lon: 35.78E Depth: 4 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.1 secs

ALEY REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	13	51	EP		1521	26.57	0.04							1.0
BHL	BZ	18	320	EP		1521	27.03	-0.17	41						1.0
DQRL	SZ	21	246	EP		1521	27.84	0.11							1.0
DQRL	SN	21	246	ES		1521	30.33	0.03							1.0
RCY	SZ	32	170	EP		1521	29.44	-0.10							1.0
RCY	SN	32	170	ES		1521	33.46	0.01							1.0
HWQ	BZ	57	16	EP		1521	33.58	0.08							1.0

June 23 2016 Hour: 15:25 7.6 Lat: 33.79N Lon: 35.77E Depth: 0 Agency: REL Local
Magnitudes: 2.5MC REL Rms: 0.1 secs

ALEY REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	13	55	EP		1525	9.69	-0.04							1.0
BHL	BZ	17	319	EP		1525	10.16	-0.14	28						1.0
DQRL	SZ	21	243	EP		1525	10.92	-0.09							1.0
DQRL	SN	21	243	ES		1525	13.63	0.13							1.0
HWQ	BZ	56	17	EP		1525	16.80	0.07							1.0
HWQ	BN	56	17	ES		1525	23.53	0.08							1.0

June 23 2016 Hour: 19:33 36.3 Agency: REL Regional

EMSC OT=19:33:36.3 38.16N 38.58E 7Km M=3.5 EASTERN TURKEY

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	BZ			EP		1934	44.49								
BHL	BZ			EP		1934	50.99								
DQRL	SZ			EP		1934	53.96								
QRWL	SZ			EP		1934	55.24								
SHBL	BZ			EP		1934	57.17								

June 25 2016 Hour: 14:42 33.0 Lat: 33.78N Lon: 35.78E Depth: 5 Agency: REL Local

Magnitudes: 3.1MC REL

Rms: 0.1 secs

ALEY REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	13	47	EP		1442	35.46	0.11							1.0
BHL	BZ	18	320	EP		1442	36.05	-0.06	69						1.0
BHL	BN	18	320	ES		1442	38.35	-0.09							1.0
DQRL	SZ	21	248	EP		1442	36.51	-0.03							1.0
DQRL	SN	21	248	ES		1442	39.26	0.09							1.0
QRWL	SZ	27	200	EP		1442	37.35	-0.11							1.0
QRWL	SN	27	200	ES		1442	40.81	0.03							1.0
BEYL	SZ	29	291	EP		1442	37.78	0.10							1.0
RCY	SZ	32	171	EP		1442	38.16	-0.02							1.0
RCY	SN	32	171	ES		1442	42.00	-0.03							1.0
SHBL	BZ	48	184	EP		1442	40.75	0.01							1.0
HWQ	BZ	58	15	EP		1442	42.37	0.05							1.0
HWQ	BN	58	15	ES		1442	49.20	-0.04							1.0

June 25 2016 Hour: 14:49 46.9 Lat: 33.78N Lon: 35.77E Depth: 0 Agency: REL Local

Magnitudes: 2.7MC REL

Rms: 0.0 secs

ALEY REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	13	53	EP		1449	49.05	-0.04							1.0
ZAHL	SN	13	53	ES		1449	50.71	0.01							1.0
BHL	BZ	17	321	EP		1449	49.59	-0.07	38						1.0
BHL	BN	17	321	ES		1449	51.71	0.01							1.0
DQRL	SZ	21	245	EP		1449	50.24	0.02							1.0
DQRL	SN	21	245	ES		1449	52.67	0.00							1.0
HWQ	BZ	57	17	EP		1449	56.19	0.07							1.0

June 25 2016 Hour: 15:20 52.9 Lat: 33.79N Lon: 35.77E Depth: 1 Agency: REL Local

Magnitudes: 2.7MC REL

Rms: 0.0 secs

ALEY REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	13	55	EP		1520	55.05	0.01							1.0
ZAHL	SN	13	55	ES		1520	56.67	0.00							1.0
BHL	BZ	17	321	EP		1520	55.51	-0.03	37						1.0
BHL	BN	17	321	ES		1520	57.49	-0.04							1.0
DQRL	SZ	21	243	EP		1520	56.17	-0.01							1.0
DQRL	SN	21	243	ES		1520	58.70	0.06							1.0
RCY	SZ	33	169	EP		1520	58.11	-0.10							1.0
RCY	SN	33	169	ES		1521	2.21	0.03							1.0
HWQ	BZ	57	17	EP		1521	2.07	0.07							1.0

June 25 2016 Hour: 19: 2 12.6 Lat: 33.67N Lon: 35.82E Depth: 10 Agency: REL Local

Magnitudes: 3.0MC REL

Rms: 0.1 secs

WEST BEKAA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	18	225	EP		19 2	16.10	-0.02							1.0
RCY	SZ	19	176	EP		19 2	16.17	-0.05							1.0
ZAHL	SZ	22	15	EP		19 2	16.68	0.02							1.0
ZAHL	SE	22	15	ES		19 2	19.65	0.02							1.0
DQRL	SZ	24	281	EP		19 2	17.00	0.12							1.0
DQRL	SE	24	281	ES		19 2	20.01	-0.01							1.0

BHL	BZ	31	330	EP	19	2	17.76	-0.15	57								1.0
SHBL	BZ	36	192	EP	19	2	18.74	-0.01									1.0
SHBL	BN	36	192	ES	19	2	23.29	0.03									1.0
HWQ	BZ	69	10	EP	19	2	23.95	0.05									1.0

June 25 2016 Hour: 19:12 7.6 Lat: 33.68N Lon: 35.87E Depth: 0 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.0 secs

WEST BEKAA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	20	5	EP		1912	10.75	-0.09							1.0
RCY	SZ	21	188	EP		1912	11.01	0.04							1.0
DQRL	SZ	28	276	EP		1912	12.09	0.01							1.0
DQRL	SN	28	276	ES		1912	15.37	-0.00							1.0
BHL	BZ	32	322	EP		1912	12.76	0.02	38						1.0
SHBL	BZ	39	197	EP		1912	13.85	-0.01							1.0
SHBL	BN	39	197	ES		1912	18.43	-0.03							1.0
HWQ	BZ	67	6	EP		1912	18.46	0.06							1.0

June 25 2016 Hour: 23:43 26.5 Lat: 33.67N Lon: 35.84E Depth: 8 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.1 secs

WEST BEKAA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	19	181	EP		2343	30.02	-0.02							1.0
RCY	SN	19	181	ES		2343	32.60	-0.03							1.0
QRWL	SZ	20	227	EP		2343	30.04	-0.06							1.0
ZAHL	SZ	21	12	EP		2343	30.46	0.10	35						1.0
DQRL	SZ	25	279	EP		2343	30.96	0.05							1.0
DQRL	SN	25	279	ES		2343	34.20	0.06							1.0
BHL	BZ	31	327	EP		2343	31.61	-0.21							1.0
SHBL	BZ	37	194	EP		2343	32.76	0.08							1.0
HWQ	BZ	68	8	EP		2343	38.11	0.43							0.2

June 26 2016 Hour: 9:20 30.4 Lat: 33.99N Lon: 36.13E Depth: 23 Agency: REL Local
Magnitudes: 3.0MC REL Rms: 0.1 secs

BAALBECK REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	27	238	EP		920	35.96	-0.09	56						1.0
ZAHL	SN	27	238	ES		920	40.26	0.04							1.0
HWQ	BZ	37	332	EP		920	37.26	0.01							1.0
HWQ	BN	37	332	ES		920	42.34	0.03							1.0
BHL	BZ	45	259	EP		920	38.20	-0.15							1.0
DQRL	SZ	61	239	EP		920	40.65	0.15							1.0
RCY	SZ	61	207	EP		920	40.58	0.02							1.0

June 26 2016 Hour: 11:17 10.8 Agency: REL Distant
EMSC OT=11:17:10.8 39.50N 73.46E 10Km M=6.4 KYRGYZSTAN

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EP		1123	25.04								
HWQ	BZ			EP		1123	25.30								
SHBL	BZ			EP		1123	27.57								

June 26 2016 Hour: 11:46 18.8 Lat: 33.78N Lon: 35.77E Depth: 3 Agency: REL Local
Magnitudes: 3.1MC REL Rms: 0.1 secs

ALEY REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	14	50	EP		1146	21.28	0.02							1.0
BHL	BZ	18	324	EP		1146	21.68	-0.09							1.0
DQRL	SZ	20	247	EP		1146	22.17	0.06	74						1.0
DQRL	SN	20	247	ES		1146	24.51	-0.01							1.0
QRWL	SZ	27	197	EP		1146	23.07	-0.10							1.0
BEYL	SZ	27	293	EP		1146	23.38	0.08							1.0
RCY	SZ	32	168	EP		1146	23.94	-0.06							1.0
RCY	SN	32	168	ES		1146	27.89	0.07							1.0
HWQ	BZ	58	17	EP		1146	28.26	0.02							1.0

June 27 2016 Hour: 6: 4 46.0 Lat: 34.10N Lon: 35.47E Depth: 11 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.0 secs

OFFSHORE CENTRAL LEBANON

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	28	143	EP		6 4	50.99	0.04	43						1.0
BHL	BN	28	143	ES		6 4	54.56	-0.03							1.0
DQRL	SZ	45	169	EP		6 4	53.60	0.01							1.0
HWQ	BZ	48	66	EP		6 4	53.93	-0.05							1.0
HWQ	BN	48	66	ES		6 4	59.90	0.03							1.0
RCY	SZ	75	154	EP		6 4	58.27	-0.00							1.0

June 27 2016 Hour: 7: 3 52.8 Lat: 33.87N Lon: 35.85E Depth: 0 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.1 secs

BAABDA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	4	116	EP		7 3	53.35	-0.09	35						1.0
BHL	BZ	18	281	EP		7 3	55.57	-0.13	38						1.0
BHL	BN	18	281	ES		7 3	57.93	0.06							1.0
DQRL	SZ	32	234	EP		7 3	57.83	-0.05							1.0
RCY	SZ	42	181	EP		7 3	59.56	0.03							1.0
RCY	SN	42	181	ES		7 4	4.60	0.08							1.0
HWQ	BZ	46	12	EP		7 4	0.26	0.10							1.0

June 27 2016 Hour: 15: 2 22.4 Lat: 33.79N Lon: 35.76E Depth: 5 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.1 secs

ALEY REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	14	57	EP		15 2	24.93	0.02							1.0
ZAHL	SN	14	57	ES		15 2	26.82	0.03							1.0
BHL	BZ	16	324	EP		15 2	25.01	-0.15	35						1.0
DQRL	SZ	20	242	EP		15 2	25.77	0.09							1.0
DQRL	SN	20	242	ES		15 2	28.16	0.03							1.0
RCY	SZ	33	167	EP		15 2	27.84	0.03							1.0
RCY	SN	33	167	ES		15 2	31.76	-0.08							1.0
HWQ	BZ	57	18	EP		15 2	31.67	0.03							1.0

June 27 2016 Hour: 15:50 50.3 Lat: 33.99N Lon: 36.18E Depth: 18 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.1 secs

BAALBECK REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	31	242	EP		1550	55.99	-0.03	40						1.0
HWQ	BZ	39	326	EP		1550	57.10	0.01							1.0
HWQ	BN	39	326	ES		1551	2.18	0.03							1.0
BHL	BZ	50	259	EP		1550	58.51	-0.11							1.0
RCY	SZ	63	211	EP		1551	0.59	-0.02							1.0
RCY	SN	63	211	ES		1551	8.32	0.04							1.0
DQRL	SZ	65	241	EP		1551	0.89	0.09							1.0

June 27 2016 Hour: 21:34 26.3 Agency: REL Regional

EMSC OT=21:34:26.3 34.21N 26.47E 47Km M=4.4 CRETE, GREECE

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ			EP		2136	12.88								
RCY	SZ			EP		2136	14.84								
HWQ	BZ			EP		2136	17.24								

June 27 2016 Hour: 22:51 1.8 Lat: 33.78N Lon: 35.79E Depth: 2 Agency: REL Local
Magnitudes: 2.5MC REL Rms: 0.1 secs

ALEY REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	12	46	EP		2251	3.80	-0.01	32						1.0
BHL	BZ	18	316	EP		2251	4.74	-0.08	30						1.0
DQRL	SZ	22	247	EP		2251	5.48	0.05							1.0
DQRL	SN	22	247	ES		2251	8.15	0.02							1.0

RCY	SZ	32	173	EP		2251	6.86	-0.15									1.0
RCY	SN	32	173	ES		2251	10.96	0.08									1.0
HWQ	BZ	57	15	EP		2251	11.02	0.09									1.0

June 28 2016 Hour: 7:24 39.5 Lat: 33.64N Lon: 35.55E Depth: 7 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.1 secs

CHOUF REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ	8	13	EP		724	41.34	0.08	41						1.0
DQRL	SN	8	13	ES		724	42.54	-0.04							1.0
QRWL	SZ	16	130	EP		724	42.19	-0.13							1.0
QRWL	SN	16	130	ES		724	44.47	0.06							1.0
RCY	SZ	31	121	EP		724	44.66	0.05							1.0
BHL	BZ	31	18	EP		724	44.67	0.02							1.0
ZAHL	SZ	39	52	EP		724	45.94	-0.03							1.0

June 28 2016 Hour: 21:30 13.7 Lat: 33.50N Lon: 36.35E Depth: 1 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.0 secs

SYRIA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	48	270	EP		2130	21.44	-0.01	39						1.0
RCY	SN	48	270	ES		2130	27.16	0.01							1.0
SHBL	BZ	59	254	EP		2130	23.21	-0.01							1.0
QRWL	SZ	62	275	EP		2130	23.78	0.00							1.0
DQRL	SZ	76	288	EP		2130	26.05	0.07							1.0
DQRL	SN	76	288	ES		2130	35.04	0.00							1.0
BHL	BZ	79	305	EP		2130	26.33	-0.09							1.0
HWQ	BZ	94	337	EP		2130	28.96	0.03							1.0

June 29 2016 Hour: 12:16 58.5 Lat: 34.05N Lon: 35.71E Depth: 5 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.1 secs

KESROUAN REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	17	197	EP		1217	1.38	-0.11	43						1.0
BHL	BN	17	197	ES		1217	3.72	0.03							1.0
HWQ	BZ	33	41	EP		1217	3.89	-0.07							1.0
HWQ	BN	33	41	ES		1217	8.04	0.06							1.0
DQRL	SZ	41	198	EP		1217	5.27	0.12							1.0
RCY	SZ	63	169	EP		1217	8.69	-0.03							1.0

June 29 2016 Hour: 13:24 31.5 Lat: 33.68N Lon: 35.58E Depth: 4 Agency: REL Local
Magnitudes: 4.0MC REL Rms: 0.2 secs

Earthquake was felt

CHOUF REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ	3	351	EP		1324	32.44	0.00							1.0
QRWL	SZ	18	146	EP		1324	34.34	-0.12							1.0
BEYL	SZ	23	340	EP		1324	35.27	0.07							1.0
BHL	BZ	26	16	EP		1324	35.76	0.00	235						1.0
BHL	BE	26	16	ES		*1324	38.56	-0.36							0.0
RCY	SZ	32	130	EP		1324	36.78	0.11							1.0
ZAHL	SZ	35	55	EP		1324	37.56	0.37							1.0
SHBL	BZ	40	157	EP		1324	37.84	-0.16							1.0
HWQ	BZ	75	27	EP		1324	43.62	0.05							1.0
HWQ	BN	75	27	ES		1324	52.19	-0.32							1.0

June 29 2016 Hour: 15:26 29.7 Lat: 33.78N Lon: 35.77E Depth: 4 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.1 secs

ALEY REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	14	53	EP		1526	32.03	0.00							1.0
BHL	BZ	17	321	EP		1526	32.45	-0.09	43						1.0
DQRL	SZ	20	244	EP		1526	33.01	-0.06							1.0
DQRL	SN	20	244	ES		1526	35.65	0.08							1.0

RCY	SZ	33	169	EP	1526	35.00-0.02	1.0
RCY	SN	33	169	ES	1526	38.96-0.00	1.0
HWQ	BZ	57	17	EP	1526	39.02 0.08	1.0

Epicentral Map of Lebanon

June 2016

