

Republic of Lebanon
National Council for Scientific Research

Provisional Seismological Bulletin

from the

NATIONAL SEISMIC NETWORK

May

2017

Prepared by
The National Centre for Geophysical Research
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GENERAL BULLETIN INFORMATION

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

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

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

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

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

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

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

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

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

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

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

STATIONS USED

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

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

STATION	LATITUDE	LONGITUDE	HEIGHT (m)	NAME	COMMENTS
BHL	3354.25N	3539.25E	1000	BHANNES	Opened May 1980
HWQ	3416.68N	3556.78E	1161	HAWQA	Opened Jan 2001
MATL	3329.32N	3519.78E	5	MATARIH	Nov2000-Sep2012
FKH	3414.69N	3624.61E	1152	FAKEHEH	Opened Dec 2004
RCY	3329.79N	3550.14E	1370	RACHAYA	Opened Jun 2006
BEYL	3352.30N	3529.59E	49	BEIRUT	Opened Jul 2006
NAQL	3307.02N	3508.46E	83	NAQOURA	Jul2008-Jan2012
DQRL	3342.34N	3534.21E	963	DEIR QAMAR	Opened Mar 2010
QRWL	3332.86N	3540.93E	875	QARAOUN	Opened Oct 2011
SHBL	3320.90N	3544.63E	1422	CHEBAA	Opened Oct 2011
ZAHL	3351.48N	3553.12E	1211	ZAHLE	Opened Aug 2015
BEIL	3432.50N	3611.08E	572	BEINO	Opened Jan 2017

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 2017 Hour: 12:31 53.5 **Agency: REL Distant**
EMSC OT=12:31:53.5 59.85N 136.66W 4Km M=6.2 SOUTHEASTERN ALASKA
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 BEIL SZ EP 1244 34.26
 HWQ BZ EP 1244 35.46
 BHL BZ EP 1244 37.27
 ZAHL SZ EP 1244 37.97
 DQRL SZ EP 1244 38.37
 QRWL SZ EP 1244 39.38
 RCY SZ EP 1244 39.78

May 1 2017 Hour: 14:18 17.0 **Agency: REL Distant**
EMSC OT=14:18:17.0 59.77N 136.81W 10Km M=6.2 SOUTHEASTERN ALASKA
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 HWQ BZ EP 1430 58.06
 BHL BZ EP 1431 0.00
 SHBL BZ EP 1431 2.86

May 1 2017 Hour: 16:30 41.3 **Agency: REL Regional**
EMSC OT=16:30:41.3 38.25N 42.97E 7Km M=4.4 EASTERN TURKEY
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 BEIL SZ EP 1632 18.52
 HWQ BZ EP 1632 23.67
 BHL BZ EP 1632 31.13
 DQRL SZ EP 1632 35.80

May 1 2017 Hour: 18:9 4.6 **Agency: REL Regional**
EMSC OT=18:09:04.6 38.28N 42.94E 5Km M=4.0 EASTERN TURKEY
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 BEIL SZ EP 1810 43.35
 HWQ BZ EP 1810 48.30
 BHL BZ EP 1810 54.72
 DQRL SZ EP 1810 58.35

May 2 2017 Hour: 10:7 2.2 **Lat: 34.04N Lon: 35.74E Depth: 0** **Agency: REL Local**
Magnitudes: 2.8MC 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 17 208 EP 10 7 4.95-0.09 45 1.0
 BHL BN 17 208 ES 10 7 7.15 0.04 1.0
 ZAHL SZ 24 147 EP 10 7 6.16-0.01 1.0
 HWQ BZ 32 36 EP 10 7 7.42-0.02 1.0
 HWQ BN 32 36 ES 10 7 11.27-0.02 1.0
 DQRL SZ 41 203 EP 10 7 8.81 0.02 1.0
 QRWL SZ 55 186 EP 10 7 11.16 0.03 1.0
 RCY SZ 61 172 EP 10 7 12.10-0.00 1.0
 RCY SN 61 172 ES 10 7 19.39-0.01 1.0
 BEIL SZ 69 36 EP 10 7 13.38 0.05 1.0

May 2 2017 Hour: 20:38 6.0 **Agency: REL Regional**
EMSC OT=20:38:06.0 37.56N 38.53E 5Km M=3.7 EASTERN TURKEY
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 BEIL SZ EP 2039 2.85
 HWQ BZ EP 2039 7.86
 BHL BZ EP 2039 12.64
 DQRL SZ EP 2039 17.89

May 2 2017 Hour: 22:47 29.5 Agency: REL Regional
EMSC OT=22:47:29.5 35.28N 26.83E 10Km M=4.2 CRETE, GREECE
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 BEIL SZ EP 2249 19.65
 HWQ BZ EP 2249 18.58

May 3 2017 Hour: 4:47 12.8 Agency: REL Distant
EMSC OT=04:47:12.8 39.47N 71.49E 10Km M=5.9 TAJIKISTAN
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 BEIL SZ EP 453 8.89
 HWQ BZ EP 453 11.43
 BHL BZ EP 453 14.39
 DQRL SZ EP 453 15.51
 QRWL SZ EP 453 15.92

May 3 2017 Hour: 21:13 57.3 Lat: 33.35N Lon: 35.80E Depth: 0 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 5 262 EP 2113 58.23-0.02 41 1.0
 SHBL BN 5 262 ES 2113 58.95 0.01 1.0
 RCY SZ 16 12 EP 2113 59.94 0.01 1.0
 RCY SN 16 12 ES 2114 1.86 0.00 1.0
 QRWL SZ 24 333 EP 2114 1.15-0.05 1.0
 DQRL SZ 44 331 EP 2114 4.54 0.06 1.0
 DQRL SE 44 331 ES 2114 9.78-0.00 1.0
 ZAHL SZ 56 8 EP 2114 6.38-0.03 0.2
 BHL BZ 62 347 EP 2114 7.38-0.01 1.0
 HWQ BZ 103 7 EP 2114 13.97-0.01 0.2
 BEIL SZ 136 15 EP 2114 19.28 0.07 0.2

May 3 2017 Hour: 23:57 12.8 Agency: REL Regional
EMSC OT=23:57:12.8 36.58N 43.45E 21Km M=4.1 IRAQ
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 BEIL SZ EP 2358 45.98
 HWQ BZ EP 2358 50.74
 DQRL SZ EP 2358 57.98

May 4 2017 Hour: 15: 2 15.6 Lat: 34.02N Lon: 35.76E 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 16 215 EP 15 2 18.38 0.02 56 1.0
 BHL BN 16 215 ES 15 2 20.40 0.00 1.0
 ZAHL SZ 22 147 EP 15 2 19.19-0.07 1.0
 HWQ BZ 33 32 EP 15 2 21.12 0.05 1.0
 DQRL SZ 39 206 EP 15 2 21.92-0.07 1.0
 DQRL SN 39 206 ES 15 2 26.70-0.00 1.0
 QRWL SZ 53 187 EP 15 2 24.28 0.05 1.0
 RCY SZ 59 173 EP 15 2 25.13-0.03 1.0
 RCY SN 59 173 ES 15 2 32.28 0.07 1.0
 BEIL SZ 70 34 EP 15 2 26.90-0.01 1.0

May 5 2017 Hour: 0: 0 28.2 Lat: 33.85N Lon: 35.82E Depth: 27 Agency: REL Local
Magnitudes: 2.6MC 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 6 80 EP 0 0 32.68-0.05 1.0
 BHL BZ 16 292 EP 0 0 33.39 0.13 35 1.0
 DQRL SZ 28 235 EP 0 0 34.33-0.01 1.0
 DQRL SN 28 235 ES 0 0 38.78-0.08 1.0
 RCY SZ 39 177 EP 0 0 35.67-0.03 1.0
 RCY SN 39 177 ES 0 0 41.29 0.06 1.0

HWQ	SZ	49	14	EP		0	0	36.89-0.09									0.2
BEIL	SZ	84	24	EP		0	0	41.58-0.21									0.2

May 8 2017 Hour: 1:38 16.5 Lat: 34.69N Lon: 35.47E Depth: 24 Agency: REL Local
Magnitudes: 3.2MC REL Rms: 0.1 secs

OFFSHORE NORTH LEBANON

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	BZ	63	137	EP		138	27.01-0.02								1.0
HWQ	BN	63	137	ES		138	34.82-0.03								1.0
BEIL	SZ	67	104	EP		138	27.63 0.09								1.0
BEIL	SE	67	104	ES		138	35.69-0.05								1.0
BHL	BZ	89	169	EP		138	30.80 0.08		78						1.0
BEYL	SZ	91	179	EP		138	30.90-0.05								1.0
ZAHL	SZ	100	158	EP		138	32.42 0.09								1.0
DQRL	SZ	110	175	EP		138	33.70-0.04								1.0
QRWL	SZ	129	171	EP		138	36.17-0.14								1.0
RCY	SZ	137	166	EP		138	37.41 0.01								1.0
RCY	SN	137	166	ES		138	52.95 0.06								1.0

May 9 2017 Hour: 1:54 14.8 Agency: REL Distant
EMSC OT=01:54:14.8 24.43N 126.30E 10Km M=6.0 RYUKYU ISLANDS, JAPAN

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEIL	SZ			EP		2	6	6.89							
HWQ	BZ			EP		2	6	7.14							
BHL	BZ			EP		2	6	9.41							

May 9 2017 Hour: 12:19 48.7 Lat: 34.66N Lon: 35.68E Depth: 0 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.0 secs

OFFSHORE NORTH LEBANON

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEIL	SZ	48	106	EP		1219	56.52 0.02		46						1.0
BEIL	SN	48	106	ES		1220	2.25 0.00								1.0
HWQ	BZ	49	150	EP		1219	56.60-0.08								1.0
HWQ	BN	49	150	ES		1220	2.57 0.01								1.0
BHL	BZ	84	182	EP		1220	2.33-0.00								1.0
DQRL	SZ	107	186	EP		1220	6.01 0.05								1.0

May 9 2017 Hour: 13:43 6.6 Agency: REL Regional
EMSC OT=13:43:06.6 36.14N 35.90E 5Km M=3.2 CENTRAL TURKEY

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEIL	SZ			EP		1343	35.54								
HWQ	BZ			EP		1343	39.04								
BHL	BZ			EP		1343	46.37								

May 9 2017 Hour: 13:50 31.3 Lat: 33.97N Lon: 36.25E Depth: 13 Agency: REL Local
Magnitudes: 2.6MC 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	36	250	EP		1350	37.56-0.00								1.0
ZAHL	SN	36	250	ES		1350	42.21 0.00								1.0
HWQ	BZ	44	321	EP		1350	38.83-0.00		31						1.0
HWQ	BN	44	321	ES		1350	44.42-0.00								1.0
BHL	BZ	56	263	EP		1350	40.51 0.01								0.2
BEIL	SZ	64	354	EP		1350	41.72 0.04								0.2
RCY	SZ	65	217	EP		1350	41.89 0.00								1.0
DQRL	SZ	70	245	EP		1350	42.47-0.05								0.2

May 10 2017 Hour: 10:17 8.6 Lat: 33.78N Lon: 35.78E Depth: 0 Agency: REL Local
Magnitudes: 2.5MC 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	50	EP		1017	10.71-0.02								1.0
BHL	BZ	18	320	EP		1017	11.36-0.06		31						1.0
DQRL	SZ	21	246	EP		1017	11.99 0.05								1.0

DQRL	SN	21	246	ES		1017	14.42	-0.01									1.0
QRWL	SZ	27	198	EP		1017	12.99	-0.01									1.0
RCY	SZ	32	170	EP		1017	13.76	-0.02									1.0
RCY	SN	32	170	ES		1017	17.62	0.00									1.0
HWQ	BZ	57	16	EP		1017	17.89	0.07									1.0
BEIL	SZ	92	24	EP		1017	23.35	-0.13									0.2

May 10 2017 Hour: 16:10 20.8 Lat: 33.77N Lon: 35.77E Depth: 5 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	14	48	EP		1610	23.35	0.03							1.0
BHL	BZ	18	322	EP		1610	23.83	-0.10	55						1.0
DQRL	SZ	20	248	EP		1610	24.27	0.00							1.0
DQRL	SN	20	248	ES		1610	26.88	0.06							1.0
QRWL	SZ	27	199	EP		1610	25.21	-0.01							1.0
RCY	SZ	31	169	EP		1610	26.02	0.02							1.0
RCY	SN	31	169	ES		1610	29.79	-0.04							1.0
HWQ	BZ	58	16	EP		1610	30.23	-0.02							1.0
BEIL	SZ	93	24	EP		1610	35.93	0.06							1.0

May 10 2017 Hour: 22:35 28.1 Agency: REL Regional
EMSC OT=22:35:28.1 37.19N 35.98E 15Km M=3.3 CENTRAL TURKEY

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEIL	SZ			EP		2236	10.23								
HWQ	BZ			EP		2236	13.62								
BHL	BZ			EP		2236	18.38								
DQRL	SZ			EP		2236	21.65								

May 11 2017 Hour: 9:32 55.6 Lat: 33.78N Lon: 35.76E Depth: 1 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		932	57.93	-0.02							1.0
ZAHL	SN	14	54	ES		932	59.69	0.02							1.0
BHL	BZ	17	323	EP		932	58.26	-0.11	26						1.0
DQRL	SZ	20	244	EP		932	58.85	0.01							1.0
DQRL	SN	20	244	ES		933	1.28	0.06							1.0
RCY	SZ	32	168	EP		933	0.84	-0.04							1.0
HWQ	BZ	58	17	EP		933	5.00	0.09							1.0

May 11 2017 Hour: 17:58 1.3 Agency: REL Regional
EMSC OT=17:58:01.3 40.07N 40.71E 3Km M=5.0 EASTERN TURKEY

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEIL	SZ			EP		1759	39.28								
HWQ	BZ			EP		1759	44.34								
ZAHL	SZ			EP		1759	50.48								
BHL	BZ			EP		1759	49.72								
DQRL	SZ			EP		1759	53.39								

May 11 2017 Hour: 19: 5 28.1 Lat: 33.96N Lon: 35.86E Depth: 10 Agency: REL Local
Magnitudes: 2.7MC 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	11	169	EP		19 5	30.75	0.10							1.0
ZAHL	SN	11	169	ES		19 5	32.51	-0.06							1.0
BHL	BZ	20	252	EP		19 5	31.77	0.00	37						1.0
HWQ	BZ	36	12	EP		19 5	34.18	-0.00							1.0
DQRL	SZ	39	224	EP		19 5	34.56	-0.04							1.0
DQRL	SN	39	224	ES		19 5	39.47	0.04							1.0
QRWL	SZ	49	200	EP		19 5	36.01	-0.09							1.0
RCY	SZ	51	183	EP		19 5	36.45	-0.10							1.0
RCY	SN	51	183	ES		19 5	42.90	0.07							1.0
SHBL	SZ	69	189	EP		19 5	39.35	0.06							1.0

BEIL SZ 71 25 EP 19 5 39.69 0.02 1.0

May 12 2017 Hour: 0:46 51.5 Agency: REL Distant

EMSC OT=00:46:51.5 27.76S 176.72W 10Km M=5.6 KERMADEC ISLANDS REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEIL	SZ			EP		1 6	45.67								
HWQ	BZ			EP		1 6	45.81								
ZAHL	SZ			EP		1 6	46.44								
RCY	SZ			EP		1 6	46.54								
BHL	BZ			EP		1 6	46.73								
SHBL	SZ			EP		1 6	46.90								
DQRL	SZ			EP		1 6	47.12								

May 13 2017 Hour: 2:15 48.4 Agency: REL Distant

EMSC OT=02:15:48.4 33.75S 178.78W 51Km M=4.6 SOUTH OF KERMADEC ISLANDS

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEIL	SZ			EP		235	36.80								
HWQ	BZ			EP		235	36.65								
BHL	BZ			EP		235	37.34								
DQRL	SZ			EP		235	37.99								

May 13 2017 Hour: 14:47 38.9 Lat: 33.79N Lon: 35.78E 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	13	52	EP		1447	41.18	0.03							1.0
BHL	BZ	17	318	EP		1447	41.71	-0.11	45						1.0
DQRL	SZ	21	244	EP		1447	42.46	-0.00							1.0
DQRL	SN	21	244	ES		1447	45.16	0.07							1.0
RCY	SZ	33	170	EP		1447	44.27	-0.03							1.0
RCY	SN	33	170	ES		1447	48.27	-0.02							1.0
HWQ	BZ	57	16	EP		1447	48.09	0.02							1.0
BEIL	SZ	92	24	EP		1447	53.75	0.04							1.0

May 13 2017 Hour: 15:41 20.8 Lat: 33.79N Lon: 35.77E Depth: 4 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	13	53	EP		1541	23.05	-0.04							1.0
ZAHL	SN	13	53	ES		1541	24.79	0.02							1.0
BHL	BZ	17	319	EP		1541	23.64	-0.04	33						1.0
DQRL	SZ	21	244	EP		1541	24.27	-0.03							1.0
DQRL	SN	21	244	ES		1541	26.91	0.04							1.0
HWQ	BZ	57	16	EP		1541	30.08	0.09							1.0
BEIL	SZ	92	24	EP		1541	35.61	-0.03							1.0

May 13 2017 Hour: 18:1 0.9 Agency: REL Distant

EMSC OT=18:01:00.9 37.68N 57.33E 15Km M=5.6 NORTHEASTERN IRAN

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEIL	SZ			EP		18 5	2.28								
HWQ	BZ			EP		18 5	6.53								
ZAHL	SZ			EP		18 5	8.78								
BHL	BZ			EP		18 5	11.03								
DQRL	SZ			EP		18 5	12.41								

May 13 2017 Hour: 19:41 43.4 Lat: 36.37N Lon: 35.56E Depth: 33 Agency: REL Regional
Magnitudes: 3.4MC REL Rms: 0.0 secs

OFFSHORE SYRIA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEIL	SZ	211	164	EP		1942	12.64	0.01	83						1.0
BEIL	SN	211	164	ES		1942	34.27	-0.02							1.0
HWQ	BZ	235	171	EP		1942	15.71	0.02							1.0
HWQ	BE	235	171	ES		1942	39.64	0.02							1.0
BHL	BZ	274	178	EP		1942	20.46	-0.06							1.0

ZAHL SZ 280 174 EP 1942 21.37 0.02 1.0
 DQRL SZ 296 180 EP 1942 23.25 0.02 1.0

May 14 2017 Hour: 13:33 39.7 Lat: 33.78N Lon: 35.78E Depth: 2 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	48	EP		1333	41.84	-0.09							1.0
BHL	BZ	18	319	EP		1333	42.63	-0.10	37						1.0
DQRL	SZ	21	247	EP		1333	43.20	-0.03							1.0
DQRL	SN	21	247	ES		1333	45.90	0.10							1.0
QRWL	SZ	27	200	EP		1333	44.09	-0.11							1.0
RCY	SZ	32	171	EP		1333	44.88	-0.05							1.0
RCY	SN	32	171	ES		1333	48.87	0.11							1.0
SHBL	SZ	48	184	EP		1333	47.53	0.01							1.0
HWQ	BZ	57	15	EP		1333	49.00	-0.01							1.0
HWQ	BN	57	15	ES		1333	56.00	0.13							1.0
BEIL	SZ	92	24	EP		1333	54.68	0.03							1.0

May 14 2017 Hour: 15:47 57.0 Lat: 33.78N Lon: 35.78E 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	13	51	EP		1547	59.27	0.03							1.0
BHL	BZ	17	320	EP		1547	59.77	-0.13	28						1.0
DQRL	SZ	21	246	EP		1548	0.46	0.02							1.0
DQRL	SN	21	246	ES		1548	3.03	0.06							1.0
RCY	SZ	32	170	EP		1548	2.23	-0.05							1.0
RCY	SN	32	170	ES		1548	6.16	-0.01							1.0
HWQ	BZ	57	16	EP		1548	6.33	0.08							1.0

May 15 2017 Hour: 3:46 21.0 Agency: REL Regional
 EMSC OT=03:46:21.0 35.45N 32.35E 60Km M=3.5 CYPRUS REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EP		347	5.24								
DQRL	SZ			EP		347	5.97								
HWQ	BZ			EP		347	7.19								
BEIL	SZ			EP		347	8.41								
QRWL	SZ			EP		347	8.96								
ZAHL	SZ			EP		347	8.77								
RCY	SZ			EP		347	11.21								
SHBL	SZ			EP		347	11.27								

May 15 2017 Hour: 10:15 45.5 Lat: 33.54N Lon: 35.71E Depth: 0 Agency: REL Local
 Magnitudes: 2.4MC 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	297	EP		1015	45.90	-0.11							1.0
RCY	SZ	13	111	EP		1015	47.49	-0.06	26						1.0
RCY	SN	13	111	ES		1015	49.09	0.04							1.0
SHBL	SZ	21	171	EP		1015	48.99	0.06							1.0
DQRL	SZ	23	325	EP		1015	49.23	0.02							1.0
DQRL	SN	23	325	ES		1015	52.05	0.11							1.0
BHL	BZ	41	353	EP		1015	52.10	-0.06							1.0

May 15 2017 Hour: 15:58 3.8 Lat: 34.60N Lon: 36.28E Depth: 6 Agency: REL Local
 Magnitudes: 3.1MC REL Rms: 0.2 secs

AKKAR REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEIL	SZ	11	230	EP		1558	5.99	0.06	74						1.0
HWQ	BZ	47	220	EP		1558	11.36	-0.16							1.0
HWQ	BN	47	220	ES		1558	17.23	0.01							1.0
ZAHL	SZ	90	204	EP		1558	18.67	0.25							1.0
BHL	BZ	96	217	EP		1558	19.26	-0.15							1.0

BHL	BN	96	217	ES	1558	30.92	-0.03										1.0
DQRL	SZ	119	213	EP	1558	23.05	0.29										1.0
RCY	SZ	129	198	EP	1558	24.09	-0.23										1.0
RCY	SN	129	198	ES	1558	39.53	0.04										1.0
SHBL	SZ	148	200	EP	1558	26.94	-0.08										1.0

May 15 2017 Hour: 16:2 11.0 Lat: 33.78N Lon: 35.77E Depth: 6 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	52	EP		16	2	13.51	-0.01						1.0
ZAHL	SN	13	52	ES		16	2	15.35	-0.00						1.0
BHL	BZ	17	321	EP		16	2	14.04	-0.02	44					1.0
DQRL	SZ	21	245	EP		16	2	14.62	0.04						1.0
DQRL	SN	21	245	ES		16	2	17.19	0.00						1.0
QRWL	SZ	28	197	EP		16	2	15.57	-0.08						1.0
RCY	SZ	33	169	EP		16	2	16.41	-0.03						1.0
RCY	SN	33	169	ES		16	2	20.48	0.05						1.0
SHBL	SZ	49	183	EP		16	2	18.98	0.01						1.0
HWQ	BZ	57	16	EP		16	2	20.38	0.05						1.0
BEIL	SZ	92	24	EP		16	2	25.95	-0.01						1.0

May 15 2017 Hour: 16:9 5.5 Lat: 33.79N Lon: 35.77E 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	13	53	EP		16	9	7.86	0.00						1.0
BHL	BZ	17	320	EP		16	9	8.33	-0.10	33					1.0
DQRL	SZ	21	244	EP		16	9	8.96	-0.05						1.0
DQRL	SN	21	244	ES		16	9	11.69	0.09						1.0
RCY	SZ	33	170	EP		16	9	10.84	-0.07						1.0
RCY	SN	33	170	ES		16	9	14.91	0.02						1.0
HWQ	BZ	57	16	EP		16	9	14.74	0.01						1.0
BEIL	SZ	92	24	EP		16	9	20.47	0.09						1.0

May 15 2017 Hour: 18:53 23.0 Lat: 35.74N Lon: 37.48E Depth: 4 Agency: REL Regional
Magnitudes: 3.4MC REL Rms: 0.2 secs

SYRIA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEIL	SZ	177	222	EP		1853	51.06	0.34	89						1.0
BEIL	SE	177	222	ES		1854	11.24	0.02							1.0
HWQ	BZ	214	221	EP		1853	55.15	-0.16							1.0
HWQ	BN	214	221	ES		1854	19.13	-0.07							1.0
BHL	BZ	263	220	EP		1854	1.17	-0.22							1.0
DQRL	SZ	285	218	EP		1854	4.15	0.01							1.0
QRWL	SZ	293	215	EP		1854	5.24	0.09							1.0
QRWL	SE	293	215	ES		1854	36.38	0.05							1.0
SHBL	SZ	309	212	EP		1854	7.10	-0.06							1.0

May 15 2017 Hour: 20:21 52.0 Lat: 33.52N Lon: 35.65E 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	4	50	EP		2021	53.84	-0.05							1.0
RCY	SZ	18	100	EP		2021	55.40	-0.03							1.0
RCY	SN	18	100	ES		2021	57.96	0.03							1.0
DQRL	SZ	21	341	EP		2021	55.98	0.07	35						1.0
DQRL	SN	21	341	ES		2021	58.78	0.00							1.0
SHBL	SZ	21	155	EP		2021	55.95	0.01							1.0
BHL	BZ	42	1	EP		2021	59.01	-0.06							1.0
ZAHL	SZ	43	31	EP		2021	59.26	0.03							1.0
HWQ	BZ	88	18	EP		2022	6.16	-0.12							0.2

May 15 2017 Hour: 23:55 20.0 Lat: 33.78N Lon: 35.79E Depth: 0 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	12	48	EP		2355	22.03	-0.02							1.0
BHL	BZ	18	318	EP		2355	22.90	-0.08	41						1.0
BHL	BN	18	318	ES		2355	25.14	-0.01							1.0
DQRL	SZ	22	247	EP		2355	23.66	0.10							1.0
QRWL	SZ	28	200	EP		2355	24.45	-0.08							1.0
RCY	SZ	32	172	EP		2355	25.19	-0.03							1.0
RCY	SN	32	172	ES		2355	29.07	0.01							1.0
SHBL	SZ	48	185	EP		2355	27.88	0.04							1.0
HWQ	BZ	57	15	EP		2355	29.22	0.01							1.0
BEIL	SZ	92	23	EP		2355	34.91	0.06							1.0

May 16 2017 Hour: 9:24 59.5 Lat: 33.49N Lon: 35.92E Depth: 1 Agency: REL Local
Magnitudes: 3.1MC REL Rms: 0.1 secs

RACHAYA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	8	279	EP		925	0.87	-0.01							1.0
RCY	SN	8	279	ES		925	1.87	-0.01							1.0
SHBL	SZ	22	227	EP		925	3.23	0.06							1.0
SHBL	SN	22	227	ES		925	5.86	0.01							1.0
QRWL	SZ	23	287	EP		925	3.24	-0.05							1.0
DQRL	SZ	41	307	EP		925	6.16	0.06							1.0
DQRL	SN	41	307	ES		925	10.90	-0.06							1.0
ZAHL	SZ	42	356	EP		925	6.31	0.07							1.0
BHL	BZ	53	332	EP		925	7.87	-0.16	65						1.0
BHL	BN	53	332	ES		925	14.47	0.16							1.0
HWQ	BZ	88	2	EP		925	13.69	-0.04							1.0
BEIL	SZ	120	12	EP		925	18.83	-0.02							1.0

May 16 2017 Hour: 16:31 7.0 Lat: 33.79N Lon: 35.77E Depth: 4 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	54	EP		1631	9.20	-0.10							1.0
ZAHL	SN	13	54	ES		1631	11.07	0.06							1.0
BHL	BZ	17	319	EP		1631	9.75	-0.11	36						1.0
DQRL	SZ	21	244	EP		1631	10.54	0.04							1.0
DQRL	SN	21	244	ES		1631	13.14	0.04							1.0
RCY	SZ	33	170	EP		1631	12.40	-0.02							1.0
RCY	SN	33	170	ES		1631	16.43	-0.01							1.0
SHBL	SZ	49	183	EP		1631	14.97	0.00							1.0
HWQ	BZ	57	16	EP		1631	16.26	0.10							1.0

May 16 2017 Hour: 21:42 23.8 Lat: 33.51N Lon: 35.96E Depth: 0 Agency: REL Local
Magnitudes: 2.5MC 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	12	262	EP		2142	25.61	-0.04	30						1.0
RCY	SN	12	262	ES		2142	27.01	-0.04							1.0
QRWL	SZ	26	279	EP		2142	28.00	0.03							1.0
SHBL	SZ	27	228	EP		2142	28.11	0.00							1.0
SHBL	SN	27	228	ES		2142	31.38	0.05							1.0
ZAHL	SZ	39	350	EP		2142	30.05	-0.02							1.0
DQRL	SZ	42	301	EP		2142	30.47	-0.09							1.0
DQRL	SN	42	301	ES		2142	35.67	0.08							1.0
BHL	BZ	52	327	EP		2142	32.13	-0.02							1.0
BEIL	SZ	116	10	EP		2142	42.56	0.06							1.0

May 16 2017 Hour: 23: 6 29.0 Lat: 33.78N Lon: 35.79E Depth: 0 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	44	EP		23	6	31.03-0.03							1.0
ZAHL	SN	13	44	ES		23	6	32.59 0.02							1.0
BHL	BZ	19	318	EP		23	6	31.97-0.10	39						1.0
DQRL	SZ	22	249	EP		23	6	32.60 0.03							1.0
DQRL	SN	22	249	ES		23	6	35.24 0.05							1.0
QRWL	SZ	27	202	EP		23	6	33.43-0.02							1.0
RCY	SZ	32	172	EP		23	6	34.00-0.10							1.0
RCY	SN	32	172	ES		23	6	37.89 0.03							1.0
SHBL	SZ	48	185	EP		23	6	36.77 0.04							1.0
HWQ	BZ	57	14	EP		23	6	38.26-0.01							1.0
BEIL	SZ	92	23	EP		23	6	43.97 0.08							1.0

May 17 2017 Hour: 0:17 6.2 Lat: 33.29N Lon: 35.39E Depth: 0 Agency: REL Local
Magnitudes: 3.3MC REL Rms: 0.3 secs

SOUR REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHBL	SZ	34	79	EP		017		11.51-0.23							1.0
QRWL	SZ	40	44	EP		017		12.27-0.41							1.0
RCY	SZ	48	61	EP		017		13.68-0.28							1.0
DQRL	SZ	49	20	EP		017		13.84-0.37	93						1.0
DQRL	SE	49	20	ES		017		19.94-0.16							1.0
BEYL	SZ	65	9	EP		017		16.90 0.09							0.2
BHL	BZ	73	20	EP		017		18.07 0.09							1.0
BHL	BE	73	20	ES		017		26.54-0.11							1.0
ZAHL	SZ	78	36	EP		017		18.94 0.05							1.0
ZAHL	SE	78	36	ES		017		29.03 0.78							1.0
HWQ	BZ	121	25	EP		017		26.18 0.35							1.0
BEIL	SZ	157	28	EP		017		31.38 0.09							0.2
BEIL	SN	157	28	ES		017		49.81-0.01							1.0

May 17 2017 Hour: 11:30 32.7 Agency: REL Regional
EMSC OT=11:30:32.7 35.90N 27.49E 12Km M=4.9 DODECANESE ISLANDS, GREECE

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ			EP		1132		14.31							
BHL	BZ			EP		1132		13.08							
HWQ	BZ			EP		1132		15.75							
ZAHL	SZ			EP		1132		16.66							
BEIL	SZ			EP		1132		17.62							

May 17 2017 Hour: 13: 2 6.5 Agency: REL Regional
EMSC OT=13:02:06.5 35.60N 28.40E 40Km M=4.2 EASTERN MEDITERRANEAN SEA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEIL	SZ			EP		13	3	36.22							
HWQ	BZ			EP		13	3	35.70							

May 17 2017 Hour: 14:32 28.7 Lat: 33.79N Lon: 35.79E Depth: 13 Agency: REL Local
Magnitudes: 2.6MC 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	11	50	EP		1432		31.64 0.01							1.0
BHL	BZ	18	315	EP		1432		32.32-0.01	33						1.0
DQRL	SZ	23	245	EP		1432		32.94-0.03							1.0
DQRL	SN	23	245	ES		1432		36.15 0.02							1.0
QRWL	SZ	29	200	EP		1432		33.87 0.01							1.0
RCY	SZ	33	173	EP		1432		34.52 0.02							1.0
RCY	SN	33	173	ES		1432		38.77-0.02							1.0
SHBL	SZ	49	185	EP		1432		36.99 0.00							1.0

May 17 2017 Hour: 15:54 28.4 Lat: 33.79N Lon: 35.76E Depth: 8 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	14	55	EP		1554	31.00	-0.11							1.0
ZAHL	SN	14	55	ES		1554	33.14	0.05							1.0
BHL	BZ	16	322	EP		1554	31.45	-0.01	37						1.0
DQRL	SZ	20	243	EP		1554	31.95	-0.04							1.0
DQRL	SN	20	243	ES		1554	34.66	0.03							1.0
SHBL	SZ	49	182	EP		1554	36.48	0.03							1.0
HWQ	BZ	57	17	EP		1554	37.77	0.05							1.0

May 18 2017 Hour: 3:45 37.4 Agency: REL Regional

EMSC OT=03:45:37.4 35.59N 32.58E 60Km M=2.9 CYPRUS REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	BZ			EP		346	21.57								
QRWL	SZ			EP		346	24.23								
SHBL	SZ			EP		346	26.96								

May 18 2017 Hour: 10:57 38.4 Lat: 33.54N Lon: 35.71E Depth: 0 Agency: REL Local
Magnitudes: 2.3MC 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	3	283	EP		1057	38.83	-0.03							1.0
RCY	SZ	12	114	EP		1057	40.36	-0.01	24						1.0
RCY	SN	12	114	ES		1057	41.85	-0.01							1.0
SHBL	SZ	22	172	EP		1057	41.88	0.03							1.0
DQRL	SZ	23	324	EP		1057	42.04	0.04							1.0
DQRL	SN	23	324	ES		1057	44.67	-0.02							1.0
BHL	BZ	41	352	EP		1057	44.93	0.02							1.0

May 18 2017 Hour: 12:29 22.1 Lat: 34.84N Lon: 36.33E Depth: 5 Agency: REL Local
Magnitudes: 3.2MC REL Rms: 0.1 secs

SYRIA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEIL	SZ	36	203	EP		1229	27.76	-0.14	78						1.0
BEIL	SN	36	203	ES		1229	32.23	0.03							1.0
HWQ	BZ	71	210	EP		1229	33.75	0.08							1.0
HWQ	BN	71	210	ES		1229	42.25	0.01							1.0
ZAHL	SZ	116	201	EP		1229	40.82	0.07							1.0
BHL	BZ	121	211	EP		1229	41.31	-0.12							1.0
DQRL	SZ	144	209	EP		1229	44.82	0.02							1.0
QRWL	SZ	155	203	EP		1229	46.53	0.07							1.0
RCY	SZ	156	197	EP		1229	46.62	0.06							1.0
RCY	SN	156	197	ES		1230	4.62	-0.05							1.0
SHBL	SZ	174	198	EP		1229	49.23	-0.02							1.0

May 19 2017 Hour: 15:48 21.0 Lat: 33.79N Lon: 35.77E Depth: 8 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		1548	23.65	-0.05							1.0
BHL	BZ	17	320	EP		1548	24.07	-0.08	31						1.0
BHL	BN	17	320	ES		1548	26.49	0.05							1.0
DQRL	SZ	21	243	EP		1548	24.72	-0.01							1.0
RCY	SZ	33	169	EP		1548	26.52	-0.11							1.0
RCY	SN	33	169	ES		1548	30.84	0.08							1.0
SHBL	SZ	49	183	EP		1548	29.16	0.04							1.0
HWQ	BZ	57	17	EP		1548	30.39	0.08							1.0

May 19 2017 Hour: 16:22 0.1 Lat: 33.78N Lon: 35.78E 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	13	48	EP		1622	2.32	-0.00							1.0
BHL	BZ	18	319	EP		1622	2.98	-0.12	43						1.0
DQRL	SZ	21	247	EP		1622	3.62	0.02							1.0
DQRL	SN	21	247	ES		1622	6.28	0.07							1.0
RCY	SZ	32	171	EP		1622	5.20	-0.10							1.0
RCY	SN	32	171	ES		1622	9.22	0.06							1.0
SHBL	SZ	48	184	EP		1622	7.85	-0.03							1.0
HWQ	BZ	57	15	EP		1622	9.39	0.05							1.0
BEIL	SZ	92	24	EP		1622	15.04	0.07							1.0

May 20 2017 Hour: 5:41 16.8 Lat: 34.85N Lon: 34.14E Depth: 22 Agency: REL Regional
 Magnitudes: 4.0MC REL Rms: 0.1 secs

CYPRUS REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	174	126	EP		541	42.48	-0.06							1.0
BHL	BN	174	126	ES		542	1.54	-0.03							1.0
HWQ	BZ	178	110	EP		541	43.03	0.06							1.0
HWQ	BN	178	110	ES		542	2.22	-0.08							1.0
DQRL	SZ	183	133	EP		541	43.69	0.09							1.0
BEIL	SZ	191	100	EP		541	44.62	0.09	203						1.0
BEIL	SN	191	100	ES		542	4.98	-0.03							1.0
ZAHL	SZ	195	124	EP		541	45.18	0.09							1.0
RCY	SZ	217	133	EP		541	47.68	-0.16							1.0
RCY	SE	217	133	ES		542	10.92	0.14							1.0
SHBL	SZ	223	138	EP		541	48.48	-0.11							1.0

May 21 2017 Hour: 10:2 19.4 Lat: 33.47N Lon: 35.68E Depth: 5 Agency: REL Local
 Magnitudes: 2.4MC 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	359	EP		10 2	21.11	-0.01	25						1.0
RCY	SZ	14	80	EP		10 2	22.00	-0.01							1.0
RCY	SN	14	80	ES		10 2	23.94	0.02							1.0
SHBL	SZ	15	158	EP		10 2	22.10	-0.00							1.0
DQRL	SZ	28	338	EP		10 2	24.08	0.04							1.0
DQRL	SN	28	338	ES		10 2	27.44	-0.01							1.0
ZAHL	SZ	47	24	EP		10 2	27.00	-0.02							1.0

May 21 2017 Hour: 15:27 38.9 Lat: 33.98N Lon: 36.12E Depth: 19 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	26	238	EP		1527	44.00	-0.06							1.0
ZAHL	SN	26	238	ES		1527	47.93	0.02							1.0
HWQ	BZ	37	334	EP		1527	45.34	-0.11	39						1.0
HWQ	BN	37	334	ES		1527	50.39	0.06							1.0
BHL	BZ	44	259	EP		1527	46.46	-0.01							1.0
DQRL	SZ	60	239	EP		1527	48.67	-0.00							1.0
RCY	SZ	60	206	EP		1527	48.71	-0.07							1.0
RCY	SN	60	206	ES		1527	56.17	0.04							1.0
BEIL	SZ	62	5	EP		1527	49.11	0.05							1.0
SHBL	SZ	79	207	EP		1527	51.55	0.07							1.0

May 21 2017 Hour: 16: 6 37.9 Lat: 34.62N Lon: 36.14E Depth: 0 Agency: REL Local
Magnitudes: 3.1MC REL Rms: 0.1 secs

AKKAR REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEIL	SZ	10	155	EP		16 6	39.41	-0.05	69						1.0
BEIL	SN	10	155	ES		16 6	40.66	0.01							1.0
HWQ	BZ	42	205	EP		16 6	44.62	-0.05							1.0
HWQ	BN	42	205	ES		16 6	49.61	-0.10							1.0
ZAHL	SZ	88	196	EP		16 6	52.11	0.05							1.0
ZAHL	SN	88	196	ES		16 7	2.64	0.07							1.0
BHL	BZ	91	209	EP		16 6	52.63	0.02							1.0
DQRL	SZ	114	207	EP		16 6	56.38	0.05							1.0

May 21 2017 Hour: 22:55 16.6 Lat: 33.78N Lon: 35.79E Depth: 0 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	47	EP		2255	18.57	0.01							1.0
BHL	BZ	18	317	EP		2255	19.53	-0.02	34						1.0
DQRL	SZ	22	247	EP		2255	20.12	-0.01							1.0
DQRL	SN	22	247	ES		2255	22.79	0.03							1.0
QRWL	SZ	28	201	EP		2255	21.00	-0.08							1.0
RCY	SZ	32	172	EP		2255	21.79	0.04							1.0
RCY	SN	32	172	ES		2255	25.55	-0.03							1.0
SHBL	SZ	48	185	EP		2255	24.45	0.07							1.0
HWQ	BZ	57	15	EP		2255	25.75	0.00							1.0

May 22 2017 Hour: 15:58 33.0 Lat: 33.78N Lon: 35.76E Depth: 0 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	15	53	EP		1558	35.38	-0.02							1.0
BHL	BZ	17	325	EP		1558	35.79	0.01	26						1.0
DQRL	SZ	19	245	EP		1558	36.23	0.06							1.0
DQRL	SN	19	245	ES		1558	38.45	-0.04							1.0
QRWL	SZ	27	196	EP		1558	37.30	-0.05							1.0
RCY	SZ	32	167	EP		1558	38.30	0.06							1.0
RCY	SN	32	167	ES		1558	42.07	-0.01							1.0
HWQ	BZ	58	17	EP		1558	42.40	0.01							1.0

May 23 2017 Hour: 10:56 48.8 Lat: 33.78N Lon: 35.77E Depth: 1 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	14	50	EP		1056	51.10	-0.02							1.0
BHL	BZ	18	323	EP		1056	51.53	-0.14	39						1.0
BHL	BE	18	323	ES		1056	53.84	0.05							1.0
DQRL	SZ	20	247	EP		1056	52.10	0.06							1.0
RCY	SZ	32	169	EP		1056	53.84	-0.10							1.0
RCY	SE	32	169	ES		1056	57.80	0.06							1.0
HWQ	BZ	58	16	EP		1056	58.22	0.05							1.0
BEIL	SZ	93	24	EP		1057	3.87	0.04							1.0

May 23 2017 Hour: 13:30 48.2 Lat: 34.65N Lon: 36.19E Depth: 6 Agency: REL Local
Magnitudes: 3.1MC REL Rms: 0.1 secs

SYRIA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEIL	SZ	12	181	EP		1330	50.38	-0.06	69						1.0
BEIL	SN	12	181	ES		1330	52.14	0.06							1.0
HWQ	BZ	47	209	EP		1330	55.69	-0.13							1.0
HWQ	BN	47	209	ES		1331	1.43	-0.02							1.0
ZAHL	SZ	92	198	EP		1331	3.19	0.12							1.0
BHL	BZ	96	211	EP		1331	3.71	-0.02							1.0

DQRL	SZ	119	209	EP		1331	7.38	0.22									1.0
RCY	SZ	132	194	EP		1331	9.06	-0.00									1.0
RCY	SN	132	194	ES		1331	24.46	-0.03									1.0
SHBL	SZ	150	196	EP		1331	11.58	-0.15									1.0

May 25 2017 Hour: 2:58 50.3 Agency: REL Regional

EMSC OT=02:58:50.3 38.67N 38.14E 5Km M=3.9 EASTERN TURKEY

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEIL	SZ	18	177	EP		259	59.85	0.00							1.0
HWQ	BZ	51	204	EP		3 0	4.32	0.01							1.0
ZAHL	SZ	97	196	EP		3 0	10.97	-0.01							1.0
BHL	BZ	101	209	EP		3 0	11.38	-0.07							1.0
DQRL	SZ	124	207	EP		3 0	14.92	0.08							1.0

May 25 2017 Hour: 11:11 4.0 Lat: 33.56N Lon: 35.71E 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	3	241	EP		1111	4.47	-0.06							1.0
RCY	SZ	14	121	EP		1111	6.20	-0.04	35						1.0
RCY	SN	14	121	ES		1111	7.88	0.00							1.0
DQRL	SZ	21	321	EP		1111	7.42	0.06							1.0
DQRL	SN	21	321	ES		1111	9.83	-0.00							1.0
SHBL	SZ	24	172	EP		1111	7.93	0.06							1.0
BHL	BZ	38	352	EP		1111	10.20	-0.03							1.0

May 25 2017 Hour: 13:38 0.7 Lat: 33.53N Lon: 35.69E Depth: 0 Agency: REL Local
Magnitudes: 2.4MC 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	2	336	EP		1338	0.91	-0.10	26						1.0
SHBL	SZ	21	166	EP		1338	4.13	-0.03							1.0
SHBL	SN	21	166	ES		1338	6.75	0.04							1.0
DQRL	SZ	22	330	EP		1338	4.23	-0.03							1.0
DQRL	SN	22	330	ES		1338	6.95	0.07							1.0
HWQ	BZ	86	16	EP		1338	14.59	0.03							1.0

May 25 2017 Hour: 13:42 10.7 Lat: 33.53N Lon: 35.71E Depth: 0 Agency: REL Local
Magnitudes: 2.9MC REL Rms: 0.2 secs

RACHAYA REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QRWL	SZ	3	305	EP		1342	11.05	-0.16							1.0
RCY	SZ	13	109	EP		1342	12.59	-0.17	52						1.0
RCY	SN	13	109	ES		1342	14.32	0.05							1.0
SHBL	SZ	21	171	EP		1342	14.21	0.14							1.0
DQRL	SZ	23	326	EP		1342	14.45	0.01							1.0
DQRL	SN	23	326	ES		1342	17.31	0.12							1.0
ZAHL	SZ	40	25	EP		1342	16.93	-0.19							1.0
BHL	BZ	42	353	EP		1342	17.29	-0.12							1.0
HWQ	BZ	86	15	EP		1342	24.51	-0.01							1.0
BEIL	SZ	120	21	EP		1342	30.45	0.33							1.0

May 25 2017 Hour: 16:37 17.6 Lat: 33.86N Lon: 35.78E Depth: 24 Agency: REL Local
Magnitudes: 2.8MC 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	9	89	EP		1637	21.78	-0.03	44						1.0
BHL	BZ	13	293	EP		1637	22.19	0.17							1.0
DQRL	SZ	26	230	EP		1637	23.14	-0.08							1.0
DQRL	SE	26	230	ES		1637	27.34	-0.06							1.0
HWQ	BZ	49	18	EP		1637	26.08	-0.06							1.0
SHBL	SZ	57	184	EP		1637	27.25	0.05							1.0
SHBL	SE	57	184	ES		1637	34.33	0.01							1.0

May 25 2017 Hour: 17:25 47.1 Lat: 33.78N Lon: 35.77E Depth: 6 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	50	EP		1725	49.54	-0.06							1.0
BHL	BZ	18	321	EP		1725	50.17	-0.03	39						1.0
DQRL	SZ	21	246	EP		1725	50.65	-0.00							1.0
DQRL	SN	21	246	ES		1725	53.32	0.04							1.0
QRWL	SZ	27	198	EP		1725	51.58	-0.08							1.0
RCY	SZ	32	170	EP		1725	52.42	-0.01							1.0
RCY	SN	32	170	ES		1725	56.45	0.09							1.0
SHBL	SZ	48	183	EP		1725	54.90	-0.06							1.0
HWQ	BZ	57	16	EP		1725	56.55	0.10							1.0
BEIL	SZ	93	24	EP		1726	2.20	0.13							0.2

May 25 2017 Hour: 17:42 58.4 Lat: 34.03N Lon: 35.96E Depth: 0 Agency: REL Local
Magnitudes: 2.5MC 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	21	201	EP		1743	1.81	0.02							1.0
HWQ	BZ	27	357	EP		1743	2.72	-0.11							1.0
HWQ	BN	27	357	ES		1743	6.08	0.00							1.0
BHL	BZ	32	244	EP		1743	3.68	0.08	30						1.0
BHL	BE	32	244	ES		1743	7.46	0.04							1.0
DQRL	SZ	51	225	EP		1743	6.61	-0.13							1.0
BEIL	SZ	60	20	EP		1743	8.21	0.10							1.0
SHBL	SZ	79	195	EP		1743	11.12	-0.00							1.0

May 26 2017 Hour: 1:3 4.4 Agency: REL Regional
EMSC OT=01:03:04.4 34.06N 28.20E 67Km M=4.3 EASTERN MEDITERRANEAN SEA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ			EP		1 4	29.84								
BHL	BZ			EP		1 4	30.04								
SHBL	SZ			EP		1 4	32.78								
RCY	SZ			EP		1 4	33.59								
ZAHL	SZ			EP		1 4	33.42								
HWQ	BZ			EP		1 4	34.84								

May 26 2017 Hour: 10:50 16.3 Lat: 34.03N Lon: 35.74E Depth: 0 Agency: REL Local
Magnitudes: 2.7MC 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	16	211	EP		1050	18.73	-0.07	42						1.0
ZAHL	SZ	23	144	EP		1050	19.87	-0.10							1.0
HWQ	BZ	34	34	EP		1050	21.71	-0.02							1.0
HWQ	BN	34	34	ES		1050	25.81	0.04							1.0
DQRL	SZ	39	204	EP		1050	22.45	-0.09							1.0
DQRL	SN	39	204	ES		1050	27.25	0.08							1.0
QRWL	SZ	53	186	EP		1050	24.84	-0.03							1.0
QRWL	SN	53	186	ES		1050	31.36	0.13							1.0
BEIL	SZ	70	35	EP		1050	27.70	0.08							1.0
SHBL	SZ	75	180	EP		1050	28.37	-0.02							1.0

May 26 2017 Hour: 13:56 45.9 Lat: 34.60N Lon: 36.19E Depth: 8 Agency: REL Local
Magnitudes: 3.1MC REL Rms: 0.1 secs

AKKAR REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEIL	SZ	7	184	EP		1356	47.63	-0.02	67						1.0
BEIL	SN	7	184	ES		1356	49.02	0.05							1.0
HWQ	BZ	42	212	EP		1356	52.71	-0.16							1.0
HWQ	BN	42	212	ES		1356	58.05	-0.01							1.0
BHL	BZ	92	213	EP		1357	0.83	0.07							1.0
DQRL	SZ	115	210	EP		1357	4.29	0.17							1.0

SHBL SZ 145 197 EP 1357 8.50-0.11 1.0

May 29 2017 Hour: 0:35 45.8 Agency: REL Regional

EMSC OT=00:35:45.8 34.08N 32.87E 10Km M=4.0 CYPRUS REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ			EP		036	24.25								
BHL	BZ			EP		036	23.61								
QRWL	SZ			EP		036	24.89								
SHBL	SZ			EP		036	26.11								
HWQ	BZ			EP		036	26.39								
ZAHL	SZ			EP		036	25.50								
RCY	SZ			EP		036	26.43								

May 29 2017 Hour: 9:58 25.6 Lat: 33.53N Lon: 35.71E Depth: 0 Agency: REL Local

Magnitudes: 2.4MC 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	310	EP		958	25.97-0.12								1.0
RCY	SZ	12	107	EP		958	27.53-0.03		26						1.0
SHBL	SZ	20	171	EP		958	29.01 0.17								1.0
SHBL	SN	20	171	ES		958	31.21-0.07								1.0
DQRL	SZ	23	327	EP		958	29.28-0.05								1.0
DQRL	SE	23	327	ES		958	32.22 0.10								1.0
BHL	BZ	42	353	EP		958	32.36 0.05								0.2

May 29 2017 Hour: 14:35 23.1

Agency: REL Distant

EMSC OT=14:35:23.1 1.25S 120.43E 12Km M=6.6 SULAWESI, INDONESIA

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEIL	SZ			EP		1448	1.94								
HWQ	BZ			EP		1448	5.83								
BHL	BZ			EP		1448	6.58								

May 29 2017 Hour: 21:26 51.9 Lat: 34.88N Lon: 34.13E Depth:135 Agency: REL Regional

Magnitudes: 3.5MC REL

Rms: 0.1 secs

CYPRUS REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	177	127	EP		2127	20.34 0.03								1.0
HWQ	BZ	180	111	EP		2127	20.60 0.02		90						1.0
HWQ	BN	180	111	ES		2127	42.00 0.17								1.0
DQRL	SZ	186	134	EP		2127	20.95-0.22								1.0
BEIL	SZ	192	101	EP		2127	21.81 0.06								1.0
BEIL	SN	192	101	ES		2127	43.67-0.19								1.0
ZAHL	SZ	197	125	EP		2127	22.48 0.12								1.0

May 30 2017 Hour: 1:10 1.3 Lat: 33.76N Lon: 35.54E Depth: 4 Agency: REL Local

Magnitudes: 2.3MC REL

Rms: 0.0 secs

ALEY REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ	7	153	EP		110	2.72-0.03		22						1.0
DQRL	SE	7	153	ES		110	3.82 0.02								1.0
BHL	BZ	19	34	EP		110	4.57-0.01								1.0
BHL	BE	19	34	ES		110	6.99 0.00								1.0
ZAHL	SZ	34	71	EP		110	6.92 0.03								1.0
ZAHL	SE	34	71	ES		110	10.99-0.02								1.0

May 30 2017 Hour: 12:29 29.6

Agency: REL Regional

EMSC OT=12:29:29.6 35.56N 31.32E 50Km M=4.2 CYPRUS REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ			EP		1230	29.34								
BEIL	SZ			EP		1230	30.59								
RCY	SZ			EP		1230	31.77								
SHBL	SZ			EP		1230	32.17								

May 30 2017 Hour: 16:11 4.6 Lat: 33.79N Lon: 35.78E 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
ZAHL	SZ	12	53	EP		1611	7.41	0.03							1.0
BHL	BZ	17	317	EP		1611	7.94	-0.04	30						1.0
DQRL	SZ	22	244	EP		1611	8.52	-0.09							1.0
DQRL	SN	22	244	ES		1611	11.67	0.09							1.0
QRWL	SZ	29	199	EP		1611	9.54	-0.06							1.0
RCY	SZ	33	171	EP		1611	10.42	0.11							1.0
RCY	SN	33	171	ES		1611	14.45	-0.09							1.0
SHBL	SZ	49	184	EP		1611	12.86	0.06							1.0

May 31 2017 Hour: 6:22 53.5 Lat: 33.92N Lon: 35.89E Depth: 3 Agency: REL Local
 Magnitudes: 2.7MC REL Rms: 0.2 secs

ZAHLE REGION

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZAHL	SZ	6	183	EP		622	54.76	-0.04							1.0
BHL	BZ	22	267	EP		622	56.96	-0.13	37						1.0
BHL	BN	22	267	ES		622	59.87	0.13							1.0
DQRL	SZ	38	232	EP		622	59.47	-0.13							1.0
HWQ	SZ	41	7	EP		623	0.76	0.67							0.2
RCY	SZ	47	186	EP		623	1.16	0.08							1.0
SHBL	SZ	64	192	EP		623	3.92	0.02							1.0
SHBL	SE	64	192	ES		623	11.63	0.03							1.0

May 31 2017 Hour: 16:14 2.5 Lat: 33.78N Lon: 35.78E Depth: 13 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	50	EP		16	1	45.56	-0.06						1.0
BHL	BZ	18	320	EP		16	1	45.95	-0.18	34					1.0
BHL	BN	18	320	ES		16	1	48.95	0.13						1.0
DQRL	SZ	21	246	EP		16	1	46.63	0.07						1.0
QRWL	SZ	28	199	EP		16	1	47.29	-0.17						1.0
RCY	SZ	32	170	EP		16	1	48.25	0.07						1.0
RCY	SN	32	170	ES		16	1	52.49	0.09						1.0
SHBL	SZ	48	184	EP		16	1	50.60	-0.02						1.0
HWQ	SZ	57	16	EP		16	1	52.04	0.08						1.0

May 31 2017 Hour: 20:30 14.3 Agency: REL Regional
 EMSC OT=20:30:14.3 36.55N 26.03E 141Km M=3.8 DODECANESE ISLANDS, GREECE

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DQRL	SZ			EP		2032	9.50								
SHBL	SZ			EP		2032	13.12								
RCY	SZ			EP		2032	13.75								

Epicentral Map of Lebanon

MAY 2017

