

Republic of Lebanon
National Council for Scientific Research

Provisional Seismological Bulletin

from the

NATIONAL SEISMIC NETWORK

November

2015

Prepared by
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GENERAL BULLETIN INFORMATION

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

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

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

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

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

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

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

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

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 Vp/Vs 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*(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.

**November 1 2015 Hour: 10:26 8.7 Lat: 33.43N Lon: 35.68E Depth: 0 Agency: REL Local
Magnitudes: 2.6MC 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 | 13 | 1 | EP | | 1026 | 10.76 | -0.02 | 34 | | | | | | 1.0 |
| QRWL | SN | 13 | 1 | ES | | 1026 | 12.33 | -0.01 | | | | | | | 1.0 |
| RCY | SZ | 16 | 63 | EP | | 1026 | 11.30 | 0.01 | | | | | | | 1.0 |
| DQRL | SZ | 32 | 342 | EP | | 1026 | 13.87 | 0.00 | | | | | | | 1.0 |
| DQRL | SN | 32 | 342 | ES | | 1026 | 17.73 | 0.01 | | | | | | | 1.0 |
| BHL | BZ | 53 | 357 | EP | | 1026 | 17.16 | 0.00 | | | | | | | 1.0 |

**November 1 2015 Hour: 11:21 32.4 Lat: 33.79N Lon: 35.77E 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 | 13 | 56 | EP | | 1121 | 34.97 | -0.01 | | | | | | | 1.0 |
| BHL | BZ | 16 | 319 | EP | | 1121 | 35.34 | -0.09 | 42 | | | | | | 1.0 |
| DQRL | SZ | 21 | 242 | EP | | 1121 | 36.13 | 0.03 | | | | | | | 1.0 |
| DQRL | SN | 21 | 242 | ES | | 1121 | 38.91 | 0.04 | | | | | | | 1.0 |
| RCY | SZ | 34 | 170 | EP | | 1121 | 37.88 | -0.14 | | | | | | | 1.0 |
| RCY | SN | 34 | 170 | ES | | 1121 | 42.28 | 0.08 | | | | | | | 1.0 |
| HWQ | SZ | 56 | 17 | EP | | 1121 | 41.65 | 0.10 | | | | | | | 1.0 |

November 2 2015 Hour: 3:4 7.5 EMSC OT=03:04:07.5 18.22S 177.82W 609Km M=5.6 FIJI REGION Agency: REL Distant

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|------|------|------|------|-----|------|------|-----|
| ZAHL | SZ | | | EP | | 322 | 41.56 | | | | | | | | 1.0 |
| BHL | BZ | | | EP | | 322 | 41.56 | | | | | | | | 1.0 |
| RCY | SZ | | | EP | | 322 | 41.87 | | | | | | | | 1.0 |
| DQRL | SZ | | | EP | | 322 | 42.26 | | | | | | | | 1.0 |

**November 2 2015 Hour: 6:27 23.3 Lat: 34.42N Lon: 36.18E Depth: 9 Agency: REL Local
Magnitudes: 3.2MC REL Rms: 0.1 secs**

AKKAR REGION

Earthquake was felt

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| HWQ | BZ | 26 | 234 | EP | | 627 | 27.87 | -0.01 | 75 | | | | | | 1.0 |
| HWQ | BN | 26 | 234 | ES | | 627 | 31.21 | -0.05 | | | | | | | 1.0 |
| BHL | BZ | 75 | 220 | EP | | 627 | 35.37 | -0.08 | | | | | | | 1.0 |
| BHL | BN | 75 | 220 | ES | | 627 | 44.52 | 0.08 | | | | | | | 1.0 |
| DQRL | SZ | 97 | 216 | EP | | 627 | 38.91 | 0.11 | | | | | | | 1.0 |
| QRWL | SZ | 107 | 205 | EP | | 627 | 40.36 | 0.10 | | | | | | | 1.0 |
| RCY | SZ | 107 | 197 | EP | | 627 | 40.37 | 0.06 | | | | | | | 1.0 |
| RCY | SN | 107 | 197 | ES | | 627 | 52.83 | -0.08 | | | | | | | 1.0 |

**November 2 2015 Hour: 7:53 45.9 Lat: 33.89N Lon: 35.85E Depth: 0 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 | 5 | 137 | EP | | 753 | 46.67 | 0.00 | | | | | | | 1.0 |
| BHL | BZ | 18 | 276 | EP | | 753 | 48.83 | -0.04 | 35 | | | | | | 1.0 |
| BHL | BN | 18 | 276 | ES | | 753 | 51.09 | 0.01 | | | | | | | 1.0 |
| DQRL | SZ | 33 | 232 | EP | | 753 | 51.26 | 0.03 | | | | | | | 1.0 |
| RCY | SZ | 43 | 182 | EP | | 753 | 52.86 | -0.05 | | | | | | | 1.0 |
| RCY | SN | 43 | 182 | ES | | 753 | 58.12 | 0.02 | | | | | | | 1.0 |
| HWQ | SZ | 44 | 11 | EP | | 753 | 53.04 | 0.02 | | | | | | | 1.0 |

**November 2 2015 Hour: 14:14 24.3 Lat: 33.82N Lon: 35.76E Depth: 0 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 |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| ZAHL | SZ | 12 | 71 | EP | | 1414 | 26.26 | -0.00 | | | | | | | 1.0 |
| BHL | BZ | 14 | 312 | EP | | 1414 | 26.49 | -0.03 | 27 | | | | | | 1.0 |
| BHL | BN | 14 | 312 | ES | | 1414 | 28.15 | 0.01 | | | | | | | 1.0 |
| DQRL | SZ | 22 | 234 | EP | | 1414 | 27.92 | 0.03 | | | | | | | 1.0 |
| DQRL | SN | 22 | 234 | ES | | 1414 | 30.52 | -0.01 | | | | | | | 1.0 |
| HWQ | SZ | 53 | 18 | EP | | 1414 | 32.92 | 0.00 | | | | | | | 1.0 |

**November 2 2015 Hour: 16:54 21.0 Lat: 33.79N Lon: 35.77E Depth: 9 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 | 55 | EP | | 1654 | 23.75 | 0.00 | | | | | | | 1.0 |
| BHL | BZ | 16 | 320 | EP | | 1654 | 24.14 | -0.02 | 31 | | | | | | 1.0 |
| DQRL | SZ | 21 | 243 | EP | | 1654 | 24.78 | 0.03 | | | | | | | 1.0 |
| DQRL | SE | 21 | 243 | ES | | 1654 | 27.51 | -0.01 | | | | | | | 1.0 |
| RCY | SZ | 33 | 169 | EP | | 1654 | 26.62 | -0.04 | | | | | | | 1.0 |
| RCY | SN | 33 | 169 | ES | | 1654 | 30.85 | 0.02 | | | | | | | 1.0 |
| HWQ | SZ | 57 | 17 | EP | | 1654 | 30.30 | 0.01 | | | | | | | 1.0 |

**November 3 2015 Hour: 10:54 49.6 Lat: 33.78N 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 |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| BHL | BZ | 17 | 323 | EP | | 1054 | 52.70 | -0.01 | 39 | | | | | | 1.0 |
| DQRL | SZ | 20 | 244 | EP | | 1054 | 53.24 | 0.07 | | | | | | | 1.0 |
| DQRL | SN | 20 | 244 | ES | | 1054 | 55.80 | -0.02 | | | | | | | 1.0 |
| QRWL | SZ | 27 | 196 | EP | | 1054 | 54.18 | -0.09 | | | | | | | 1.0 |
| QRWL | SE | 27 | 196 | ES | | 1054 | 57.75 | 0.02 | | | | | | | 1.0 |
| RCY | SZ | 33 | 168 | EP | | 1054 | 55.13 | 0.03 | | | | | | | 1.0 |
| HWQ | SZ | 57 | 17 | EP | | 1054 | 58.97 | 0.00 | | | | | | | 1.0 |

**November 3 2015 Hour: 16:48 29.8 Lat: 33.79N Lon: 35.76E Depth: 2 Agency: REL Local
Magnitudes: 2.3MC 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 | | 1648 | 32.04 | -0.11 | | | | | | | 1.0 |
| ZAHL | SN | 14 | 57 | ES | | 1648 | 33.92 | 0.06 | | | | | | | 1.0 |
| BHL | BZ | 16 | 323 | EP | | 1648 | 32.41 | -0.07 | 24 | | | | | | 1.0 |
| DQRL | SZ | 20 | 242 | EP | | 1648 | 33.05 | -0.03 | | | | | | | 1.0 |
| DQRL | SN | 20 | 242 | ES | | 1648 | 35.54 | 0.06 | | | | | | | 1.0 |
| HWQ | SZ | 57 | 18 | EP | | 1648 | 39.14 | 0.10 | | | | | | | 1.0 |

**November 4 2015 Hour: 1:56 47.5 Lat: 33.57N Lon: 35.51E Depth: 9 Agency: REL Local
Magnitudes: 3.1MC REL Rms: 0.0 secs**

JEZZINE REGION

Earthquake was felt

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| DQRL | SZ | 16 | 19 | EP | | 156 | 50.50 | 0.02 | 68 | | | | | | 1.0 |
| DQRL | SN | 16 | 19 | ES | | 156 | 52.72 | -0.01 | | | | | | | 1.0 |
| RCY | SZ | 31 | 105 | EP | | 156 | 52.73 | -0.00 | | | | | | | 1.0 |
| RCY | SN | 31 | 105 | ES | | 156 | 56.64 | 0.00 | | | | | | | 1.0 |
| BEYL | SZ | 33 | 357 | EP | | 156 | 53.09 | 0.05 | | | | | | | 0.2 |
| BHL | BZ | 39 | 19 | EP | | 156 | 53.96 | -0.02 | | | | | | | 1.0 |
| BHL | BN | 39 | 19 | ES | | 156 | 58.82 | 0.01 | | | | | | | 1.0 |
| HWQ | SZ | 88 | 27 | EP | | 157 | 1.72 | 0.00 | | | | | | | 1.0 |

November 4 2015 Hour: 4:40 32.1 Lat: 33.57N Lon: 35.51E Depth: 5 Agency: REL Local
 Magnitudes: 3.2MC REL Rms: 0.1 secs

JEZZINE REGION

Earthquake was felt

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| DQRL | SZ | 16 | 19 | EP | | 440 | 34.90 | 0.04 | 82 | | | | | | 1.0 |
| DQRL | SE | 16 | 19 | ES | | 440 | 36.95 | 0.01 | | | | | | | 1.0 |
| RCY | SZ | 31 | 105 | EP | | 440 | 37.12 | -0.04 | | | | | | | 1.0 |
| RCY | SN | 31 | 105 | ES | | 440 | 40.95 | 0.01 | | | | | | | 1.0 |
| BEYL | SZ | 34 | 357 | EP | | 440 | 37.69 | 0.12 | | | | | | | 0.2 |
| BHL | BZ | 39 | 19 | EP | | 440 | 38.36 | -0.14 | | | | | | | 1.0 |
| BHL | BN | 39 | 19 | ES | | 440 | 43.25 | -0.02 | | | | | | | 1.0 |
| ZAHL | SZ | 47 | 47 | EP | | 440 | 39.76 | 0.04 | | | | | | | 1.0 |
| HWQ | SZ | 88 | 27 | EP | | 440 | 46.42 | 0.09 | | | | | | | 1.0 |

November 4 2015 Hour: 14:41 6.8 Lat: 33.59N Lon: 35.56E Depth: 6 Agency: REL Local
 Magnitudes: 2.8MC REL Rms: 0.0 secs

JEZZINE REGION

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| DQRL | SZ | 13 | 5 | EP | | 1441 | 9.20 | -0.00 | 49 | | | | | | 1.0 |
| DQRL | SE | 13 | 5 | ES | | 1441 | 10.96 | 0.01 | | | | | | | 1.0 |
| RCY | SZ | 28 | 112 | EP | | 1441 | 11.46 | -0.03 | | | | | | | 1.0 |
| RCY | SN | 28 | 112 | ES | | 1441 | 14.93 | -0.00 | | | | | | | 1.0 |
| BHL | BZ | 36 | 14 | EP | | 1441 | 12.65 | -0.08 | | | | | | | 1.0 |
| ZAHL | SZ | 42 | 46 | EP | | 1441 | 13.83 | 0.06 | | | | | | | 1.0 |
| HWQ | SZ | 84 | 25 | EP | | 1441 | 20.48 | 0.02 | | | | | | | 1.0 |

November 4 2015 Hour: 16:48 0.7 Lat: 33.79N Lon: 35.76E 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 | 14 | 56 | EP | | 1648 | 2.96 | -0.00 | | | | | | | 1.0 |
| ZAHL | SN | 14 | 56 | ES | | 1648 | 4.61 | -0.01 | | | | | | | 1.0 |
| BHL | BZ | 16 | 322 | EP | | 1648 | 3.33 | -0.02 | 37 | | | | | | 1.0 |
| BHL | BN | 16 | 322 | ES | | 1648 | 5.29 | -0.01 | | | | | | | 1.0 |
| DQRL | SZ | 20 | 243 | EP | | 1648 | 3.94 | 0.01 | | | | | | | 1.0 |
| HWQ | SZ | 57 | 17 | EP | | 1648 | 9.95 | 0.04 | | | | | | | 1.0 |

November 5 2015 Hour: 1:13 56.6 Lat: 33.96N Lon: 35.01E Depth: 25 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 |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| DQRL | SZ | 59 | 118 | EP | | 114 | 6.58 | 0.01 | 45 | | | | | | 1.0 |
| DQRL | SN | 59 | 118 | ES | | 114 | 14.00 | 0.03 | | | | | | | 1.0 |
| BHL | BZ | 60 | 96 | EP | | 114 | 6.64 | -0.06 | | | | | | | 1.0 |
| RCY | SZ | 92 | 123 | EP | | 114 | 11.33 | 0.02 | | | | | | | 1.0 |
| RCY | SN | 92 | 123 | ES | | 114 | 22.21 | -0.02 | | | | | | | 1.0 |
| HWQ | SZ | 94 | 67 | EP | | 114 | 11.52 | 0.03 | | | | | | | 1.0 |

November 6 2015 Hour: 17:50 25.7 Lat: 34.12N Lon: 36.26E Depth: 15 Agency: REL Local
 Magnitudes: 3.9MC REL Rms: 0.0 secs

BAALBECK REGION

Earthquake was felt

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| HWQ | BZ | 34 | 300 | EP | | 1750 | 31.79 | 0.06 | | | | | | | 1.0 |
| HWQ | BN | 34 | 300 | ES | | 1750 | 36.18 | -0.02 | | | | | | | 1.0 |
| ZAHL | SZ | 46 | 230 | EP | | 1750 | 33.43 | -0.02 | | | | | | | 1.0 |
| BHL | BZ | 61 | 247 | EP | | 1750 | 35.61 | -0.12 | 198 | | | | | | 1.0 |
| BHL | BN | 61 | 247 | ES | | 1750 | 43.13 | -0.02 | | | | | | | 1.0 |
| BEYL | SZ | 77 | 249 | EP | | 1750 | 37.92 | 0.03 | | | | | | | 1.0 |
| DQRL | SZ | 79 | 234 | EP | | 1750 | 38.41 | 0.07 | | | | | | | 1.0 |
| DQRL | SN | 79 | 234 | ES | | 1750 | 47.73 | 0.04 | | | | | | | 1.0 |
| RCY | SZ | 80 | 210 | EP | | 1750 | 38.47 | -0.03 | | | | | | | 1.0 |

RCY SN 80 210 ES 1750 47.98 0.01 1.0

November 7 2015 Hour: 11: 9 32.7 Lat: 33.49N Lon: 35.66E Depth: 4 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 | 7 | 19 | EP | | 11 | 9 | 34.04-0.01 | 22 | | | | | | 1.0 |
| QRWL | SN | 7 | 19 | ES | | 11 | 9 | 35.03-0.01 | | | | | | | 1.0 |
| RCY | SZ | 16 | 88 | EP | | 11 | 9 | 35.52 0.01 | | | | | | | 1.0 |
| DQRL | SZ | 25 | 341 | EP | | 11 | 9 | 36.86 0.00 | | | | | | | 1.0 |
| DQRL | SN | 25 | 341 | ES | | 11 | 9 | 39.93 0.01 | | | | | | | 1.0 |

November 8 2015 Hour: 9:34 57.8 Agency: REL Distant EMSC OT=09:34:57.8 0.76N 98.90E 80Km M=5.8 NIAS REGION, INDONESIA

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|------|------|------|------|-----|------|------|----|
| RCY | SZ | | | EP | | 945 | 45.45 | | | | | | | | |
| ZAHL | SZ | | | EP | | 945 | 45.81 | | | | | | | | |
| HWQ | BZ | | | EP | | 945 | 45.81 | | | | | | | | |
| QRWL | SZ | | | EP | | 945 | 45.93 | | | | | | | | |
| BHL | BZ | | | EP | | 945 | 46.65 | | | | | | | | |
| DQRL | SZ | | | EP | | 945 | 47.13 | | | | | | | | |

November 8 2015 Hour: 10: 5 12.2 Lat: 33.44N Lon: 35.68E Depth: 0 Agency: REL Local Magnitudes: 2.4MC 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 | 12 | 359 | EP | | 10 | 5 | 14.03-0.06 | 27 | | | | | | 1.0 |
| QRWL | SN | 12 | 359 | ES | | 10 | 5 | 15.46-0.03 | | | | | | | 1.0 |
| RCY | SZ | 15 | 67 | EP | | 10 | 5 | 14.73 0.04 | | | | | | | 1.0 |
| DQRL | SZ | 31 | 340 | EP | | 10 | 5 | 17.22 0.00 | | | | | | | 1.0 |
| DQRL | SN | 31 | 340 | ES | | 10 | 5 | 20.99 0.07 | | | | | | | 1.0 |
| BHL | BZ | 51 | 357 | EP | | 10 | 5 | 20.45-0.03 | | | | | | | 1.0 |

November 8 2015 Hour: 14:47 45.7 Lat: 33.80N Lon: 35.77E Depth: 13 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 | 59 | EP | | 1447 | 48.72-0.05 | | | | | | | | 1.0 |
| ZAHL | SN | 12 | 59 | ES | | 1447 | 51.03 0.02 | | | | | | | | 1.0 |
| BHL | BZ | 16 | 316 | EP | | 1447 | 49.17 0.01 | 37 | | | | | | | 1.0 |
| DQRL | SZ | 22 | 241 | EP | | 1447 | 49.87-0.02 | | | | | | | | 1.0 |
| DQRL | SN | 22 | 241 | ES | | 1447 | 52.96 0.00 | | | | | | | | 1.0 |
| RCY | SZ | 34 | 170 | EP | | 1447 | 51.75 0.02 | | | | | | | | 1.0 |
| HWQ | SZ | 55 | 17 | EP | | 1447 | 54.94 0.01 | | | | | | | | 1.0 |

November 8 2015 Hour: 15:12 29.7 Lat: 33.80N Lon: 35.78E Depth: 17 Agency: REL Local Magnitudes: 2.5MC 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 | | 1512 | 33.21-0.00 | | | | | | | | 1.0 |
| BHL | BZ | 16 | 315 | EP | | 1512 | 33.57-0.00 | 28 | | | | | | | 1.0 |
| DQRL | SZ | 22 | 241 | EP | | 1512 | 34.25 0.02 | | | | | | | | 1.0 |
| DQRL | SN | 22 | 241 | ES | | 1512 | 37.55-0.01 | | | | | | | | 1.0 |
| RCY | SZ | 34 | 171 | EP | | 1512 | 35.87-0.04 | | | | | | | | 1.0 |
| RCY | SN | 34 | 171 | ES | | 1512 | 40.50 0.02 | | | | | | | | 1.0 |
| HWQ | SZ | 55 | 17 | EP | | 1512 | 38.99 0.11 | | | | | | | | 0.2 |

November 8 2015 Hour: 15:26 32.0 Lat: 33.31N Lon: 35.63E Depth: 0 Agency: REL Local Magnitudes: 3.0MC REL Rms: 0.1 secs

MARJAAYOUN REGION

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|------------|------|------|------|------|-----|------|------|-----|
| RCY | SZ | 28 | 44 | EP | | 1526 | 36.58 0.04 | | | | | | | | 1.0 |
| RCY | SE | 28 | 44 | ES | | 1526 | 39.83-0.06 | | | | | | | | 1.0 |
| DQRL | SZ | 44 | 353 | EP | | 1526 | 38.95-0.13 | 60 | | | | | | | 1.0 |

| | | | | | | | | |
|---------|-----|-----|----|------|-------|-------|--|-----|
| DQRL SN | 44 | 353 | ES | 1526 | 44.35 | 0.04 | | 1.0 |
| BHL BZ | 66 | 2 | EP | 1526 | 42.54 | -0.04 | | 1.0 |
| HWQ SZ | 111 | 15 | EP | 1526 | 50.05 | 0.14 | | 1.0 |

November 9 2015 Hour: 10:10 59.9 Lat: 33.86N Lon: 35.85E Depth: 3 Agency: REL Local Magnitudes: 2.9MC REL
ZAHLE REGION

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| ZAHL | SZ | 4 | 99 | EP | | 1011 | 0.83 | -0.01 | | | | | | | 1.0 |
| BHL | BZ | 18 | 284 | EP | | 1011 | 2.90 | -0.03 | 52 | | | | | | 1.0 |
| DQRL | SZ | 31 | 236 | EP | | 1011 | 4.84 | -0.09 | | | | | | | 1.0 |
| DQRL | SN | 31 | 236 | ES | | 1011 | 8.75 | 0.09 | | | | | | | 1.0 |
| QRWL | SZ | 38 | 203 | EP | | 1011 | 6.01 | -0.08 | | | | | | | 1.0 |
| RCY | SZ | 41 | 181 | EP | | 1011 | 6.55 | 0.05 | | | | | | | 1.0 |
| RCY | SN | 41 | 181 | ES | | 1011 | 11.41 | 0.02 | | | | | | | 1.0 |
| HWQ | SZ | 47 | 11 | EP | | 1011 | 7.55 | 0.05 | | | | | | | 1.0 |

November 9 2015 Hour: 16:4 37.3 Lat: 33.80N Lon: 35.76E Depth: 13 Agency: REL Local Magnitudes: 2.4MC REL
ALEY REGION

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|-------|------|------|-----|------|------|-----|
| ZAHL | SZ | 13 | 59 | EP | | 16 | 4 | 40.39 | -0.02 | | | | | | 1.0 |
| BHL | BZ | 16 | 319 | EP | | 16 | 4 | 40.72 | 0.03 | 26 | | | | | 1.0 |
| DQRL | SZ | 21 | 241 | EP | | 16 | 4 | 41.34 | 0.02 | | | | | | 1.0 |
| DQRL | SN | 21 | 241 | ES | | 16 | 4 | 44.27 | -0.03 | | | | | | 1.0 |
| RCY | SZ | 34 | 169 | EP | | 16 | 4 | 43.23 | -0.01 | | | | | | 1.0 |
| RCY | SN | 34 | 169 | ES | | 16 | 4 | 47.66 | 0.02 | | | | | | 1.0 |
| HWQ | SZ | 56 | 17 | EP | | 16 | 4 | 46.58 | -0.01 | | | | | | 1.0 |

November 11 2015 Hour: 0:5 42.8 Lat: 33.79N Lon: 35.80E Depth: 7 Agency: REL Local Magnitudes: 2.6MC REL
ZAHLE REGION

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|-------|------|------|-----|------|------|-----|
| ZAHL | SZ | 11 | 46 | EP | | 0 | 5 | 45.15 | 0.03 | | | | | | 1.0 |
| ZAHL | SN | 11 | 46 | ES | | 0 | 5 | 46.83 | 0.01 | | | | | | 1.0 |
| BHL | BZ | 19 | 313 | EP | | 0 | 5 | 46.07 | -0.07 | 36 | | | | | 1.0 |
| DQRL | SZ | 23 | 246 | EP | | 0 | 5 | 46.79 | -0.05 | | | | | | 1.0 |
| DQRL | SN | 23 | 246 | ES | | 0 | 5 | 49.83 | 0.02 | | | | | | 1.0 |
| BEYL | SZ | 30 | 288 | EP | | 0 | 5 | 47.88 | 0.07 | | | | | | 1.0 |
| RCY | SZ | 33 | 174 | EP | | 0 | 5 | 48.27 | -0.03 | | | | | | 1.0 |
| HWQ | SZ | 56 | 14 | EP | | 0 | 5 | 51.93 | -0.02 | | | | | | 1.0 |

November 11 2015 Hour: 8:49 39.2 Lat: 33.87N Lon: 35.84E Depth: 0 Agency: REL Local Magnitudes: 2.8MC REL
ZAHLE REGION

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| ZAHL | SZ | 4 | 109 | EP | | 849 | 39.82 | -0.05 | | | | | | | 1.0 |
| BHL | BZ | 18 | 282 | EP | | 849 | 41.98 | -0.06 | 44 | | | | | | 1.0 |
| BHL | BN | 18 | 282 | ES | | 849 | 44.17 | 0.01 | | | | | | | 1.0 |
| DQRL | SZ | 31 | 234 | EP | | 849 | 44.21 | 0.03 | | | | | | | 1.0 |
| QRWL | SZ | 39 | 203 | EP | | 849 | 45.37 | -0.04 | | | | | | | 1.0 |
| RCY | SZ | 42 | 181 | EP | | 849 | 45.91 | 0.06 | | | | | | | 1.0 |
| RCY | SN | 42 | 181 | ES | | 849 | 50.82 | 0.01 | | | | | | | 1.0 |
| HWQ | SZ | 46 | 12 | EP | | 849 | 46.66 | 0.04 | | | | | | | 1.0 |
| HWQ | BN | 46 | 12 | ES | | 849 | 52.14 | 0.00 | | | | | | | 1.0 |

November 11 2015 Hour: 9:42 55.1 Lat: 33.38N Lon: 35.23E Depth: 41 Agency: REL Local Magnitudes: 2.7MC REL
SAIDA REGION

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| QRWL | SZ | 46 | 66 | EP | | 943 | 4.29 | -0.01 | | | | | | | 1.0 |
| DQRL | SZ | 48 | 41 | EP | | 943 | 4.55 | 0.02 | | | | | | | 1.0 |
| DQRL | SN | 48 | 41 | ES | | 943 | 11.49 | -0.01 | | | | | | | 1.0 |
| RCY | SZ | 58 | 77 | EP | | 943 | 5.66 | -0.01 | 36 | | | | | | 1.0 |

| | | |
|------------------|----------------|-----|
| RCY SN 58 77 ES | 943 13.49 0.01 | 1.0 |
| HWQ SZ 120 33 EP | 943 13.11-0.04 | 0.2 |

November 11 2015 Hour: 11:45 22.9 Agency: REL Distant
EMSC OT=11:45:22.9 8.82S 110.21E 69Km M=5.5 JAVA, INDONESIA
STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
HWQ SZ EP 1157 36.66
RCY SZ EP 1157 36.99
BHL BZ EP 1157 37.53

November 11 2015 Hour: 15:6 4.5 Lat: 33.79N Lon: 35.77E 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 13 53 EP 15 6 6.52-0.07 1.0
ZAHL SN 13 53 ES 15 6 8.20 0.03 1.0
BHL BZ 17 320 EP 15 6 7.18-0.03 35 1.0
DQRL SZ 21 245 EP 15 6 7.84 0.04 1.0
DQRL SN 21 245 ES 15 6 10.27-0.01 1.0
HWQ SZ 57 16 EP 15 6 13.68 0.05 1.0

November 12 2015 Hour: 0:4 13.1 Lat: 34.90N Lon: 36.48E Depth: 3 Agency: REL Local
Magnitudes: 2.9MC 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 85 215 EP 0 4 26.95 0.07 50 1.0
HWQ SN 85 215 ES 0 4 37.06 0.01 1.0
BHL BZ 135 215 EP 0 4 34.53-0.05 1.0
DQRL SZ 157 213 EP 0 4 37.83-0.09 1.0
DQRL SN 157 213 ES 0 4 56.27 0.01 1.0
RCY SZ 167 201 EP 0 4 39.29-0.11 1.0
SHBL BZ 186 202 EP 0 4 42.12 0.16 1.0

November 12 2015 Hour: 16:12 31.8 Lat: 33.39N Lon: 35.67E Depth: 13 Agency: REL Local
Magnitudes: 2.9MC 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 8 124 EP 1612 34.52 0.03 1.0
RCY SZ 19 52 EP 1612 35.67-0.04 51 1.0
RCY SN 19 52 ES 1612 38.60 0.01 1.0
DQRL SZ 36 345 EP 1612 38.02-0.07 1.0
DQRL SE 36 345 ES 1612 42.76 0.03 1.0
BHL BZ 57 358 EP 1612 41.33 0.06 1.0
HWQ SZ 102 14 EP 1612 47.83-0.03 1.0

November 13 2015 Hour: 9:58 5.3 Lat: 33.43N Lon: 35.67E Depth: 7 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 11 144 EP 958 7.60-0.01 1.0
SHBL BN 11 144 ES 958 9.33 0.02 1.0
QRWL SZ 13 3 EP 958 7.73-0.09 1.0
RCY SZ 17 64 EP 958 8.40 0.02 32 1.0
DQRL SZ 32 343 EP 958 10.68 0.01 1.0
DQRL SE 32 343 ES 958 14.67 0.04 1.0

November 13 2015 Hour: 10:28 32.9 Lat: 33.48N Lon: 35.69E Depth: 2 Agency: REL Local
Magnitudes: 2.8MC 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 8 358 EP 1028 34.29-0.05 1.0
RCY SZ 14 81 EP 1028 35.36 0.04 47 1.0
SHBL BZ 15 159 EP 1028 35.49 0.01 1.0
SHBL BN 15 159 ES 1028 37.36-0.01 1.0

| | | | | | | | | |
|---------|----|-----|----|------|-------|-------|--|-----|
| DQRL SZ | 28 | 337 | EP | 1028 | 37.44 | 0.02 | | 1.0 |
| DQRL SN | 28 | 337 | ES | 1028 | 40.77 | 0.03 | | 1.0 |
| HWQ SZ | 92 | 15 | EP | 1028 | 47.16 | -0.65 | | 0.2 |

November 13 2015 Hour: 10:45 1.5 Lat: 33.78N Lon: 35.79E Depth: 6 Agency: REL Local Magnitudes: 2.8MC REL

ALEY REGION

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|---------|----|------|-----|-------|------|-------|-------|------|------|------|------|-----|------|------|-----|
| ZAHL SZ | 13 | 48 | EP | | 1045 | 3.89 | -0.01 | | | | | | | | 1.0 |
| BHL BZ | 18 | 318 | EP | | 1045 | 4.64 | -0.06 | 45 | | | | | | | 1.0 |
| BHL BN | 18 | 318 | ES | | 1045 | 7.08 | 0.01 | | | | | | | | 1.0 |
| DQRL SZ | 22 | 247 | EP | | 1045 | 5.26 | 0.03 | | | | | | | | 1.0 |
| DQRL SN | 22 | 247 | ES | | 1045 | 7.99 | 0.01 | | | | | | | | 1.0 |
| QRWL SZ | 28 | 200 | EP | | 1045 | 6.11 | -0.04 | | | | | | | | 1.0 |
| RCY SZ | 32 | 172 | EP | | 1045 | 6.82 | -0.02 | | | | | | | | 1.0 |
| RCY SN | 32 | 172 | ES | | 1045 | 10.82 | 0.03 | | | | | | | | 1.0 |
| HWQ SZ | 57 | 15 | EP | | 1045 | 10.83 | 0.05 | | | | | | | | 1.0 |

November 13 2015 Hour: 20:51 35.2

EMSC OT=20:51:35.2 30.95N 129.00E 10Km M=6.7 KYUSHU, JAPAN

Agency: Distant

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|---------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|----|
| HWQ SZ | | | | EP | | 21 | 3 | 23.39 | | | | | | | |
| BHL BZ | | | | EP | | 21 | 3 | 24.72 | | | | | | | |
| DQRL SZ | | | | EP | | 21 | 3 | 24.99 | | | | | | | |
| SHBL BZ | | | | EP | | 21 | 3 | 26.45 | | | | | | | |

November 14 2015 Hour: 11:22 15.2 Lat: 33.81N Lon: 35.74E Depth: 13 Agency: REL Local Magnitudes: 2.7MC REL

BAABDA REGION

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|---------|----|------|-----|-------|------|-------|-------|------|------|------|------|-----|------|------|-----|
| BHL BZ | 13 | 326 | EP | | 1122 | 18.31 | -0.05 | 37 | | | | | | | 1.0 |
| BHL BN | 13 | 326 | ES | | 1122 | 20.70 | 0.02 | | | | | | | | 1.0 |
| DQRL SZ | 19 | 234 | EP | | 1122 | 19.04 | 0.01 | | | | | | | | 1.0 |
| RCY SZ | 36 | 165 | EP | | 1122 | 21.41 | -0.01 | | | | | | | | 1.0 |
| RCY SE | 36 | 165 | ES | | 1122 | 26.02 | 0.01 | | | | | | | | 1.0 |
| HWQ SZ | 56 | 20 | EP | | 1122 | 24.51 | 0.01 | | | | | | | | 1.0 |

November 14 2015 Hour: 17: 9 35.7

EMSC OT=17:09:35.7 34.85N 32.14E 10Km M=3.5 CYPRUS REGION

Agency: REL Regional

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|---------|----|------|-----|-------|---|------|-------|------|------|------|------|-----|------|------|----|
| BHL BZ | | | | EP | | 1710 | 27.46 | | | | | | | | |
| SHBL BZ | | | | EP | | 1710 | 28.92 | | | | | | | | |
| DQRL SZ | | | | EP | | 1710 | 29.27 | | | | | | | | |

November 15 2015 Hour: 10:27 53.0 Lat: 33.40N Lon: 35.70E Depth: 16 Agency: REL Local Magnitudes: 2.6MC REL

HASBAYA REGION

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|---------|----|------|-----|-------|------|-------|-------|------|------|------|------|-----|------|------|-----|
| SHBL BZ | 7 | 145 | EP | | 1027 | 56.07 | 0.02 | | | | | | | | 1.0 |
| SHBL BN | 7 | 145 | ES | | 1027 | 58.31 | -0.01 | | | | | | | | 1.0 |
| RCY SZ | 17 | 49 | EP | | 1027 | 56.87 | -0.00 | 36 | | | | | | | 1.0 |
| DQRL SZ | 36 | 340 | EP | | 1027 | 59.35 | -0.02 | | | | | | | | 1.0 |
| DQRL SN | 36 | 340 | ES | | 1028 | 4.10 | 0.01 | | | | | | | | 1.0 |
| BHL BZ | 56 | 356 | EP | | 1028 | 2.28 | 0.00 | | | | | | | | 1.0 |

November 16 2015 Hour: 10:44 1.8 Lat: 34.08N Lon: 35.67E Depth: 0 Agency: REL Local Magnitudes: 2.8MC REL

JBEIL REGION

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|---------|----|------|-----|-------|------|-------|-------|------|------|------|------|-----|------|------|-----|
| BHL BZ | 20 | 184 | EP | | 1044 | 5.02 | 0.00 | 44 | | | | | | | 1.0 |
| BHL BE | 20 | 184 | ES | | 1044 | 7.27 | -0.10 | | | | | | | | 1.0 |
| HWQ SZ | 34 | 49 | EP | | 1044 | 7.19 | -0.07 | | | | | | | | 1.0 |
| HWQ SE | 34 | 49 | ES | | 1044 | 11.30 | 0.02 | | | | | | | | 1.0 |
| DQRL SZ | 43 | 192 | EP | | 1044 | 8.76 | 0.04 | | | | | | | | 1.0 |

RCY SZ 67 167 EP 1044 12.70 0.11 1.0

November 16 2015 Hour: 11:10 29.5Lat: 34.61N Lon: 36.81E Depth: 0 Agency: REL Local Magnitudes: 2.9MC 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 | 88 | 245 | EP | | 1110 | 43.70 | 0.06 | 50 | | | | | | 1.0 |
| HWQ | SN | 88 | 245 | ES | | 1110 | 54.09 | -0.03 | | | | | | | 1.0 |
| BHL | BZ | 132 | 234 | EP | | 1110 | 50.64 | -0.18 | | | | | | | 1.0 |
| DQRL | SZ | 152 | 229 | EP | | 1110 | 54.01 | 0.26 | | | | | | | 1.0 |
| RCY | SZ | 153 | 216 | EP | | 1110 | 53.75 | -0.13 | | | | | | | 1.0 |
| RCY | SN | 153 | 216 | ES | | 1111 | 11.97 | 0.03 | | | | | | | 1.0 |

November 16 2015 Hour: 13:37 51.2Lat: 33.87N Lon: 35.84E Depth: 0 Agency: REL Local Magnitudes: 2.9MC 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 | 4 | 102 | EP | | 1337 | 51.89 | -0.03 | | | | | | | 1.0 |
| ZAHL | SN | 4 | 102 | ES | | 1337 | 52.41 | -0.03 | | | | | | | 1.0 |
| BHL | BZ | 18 | 284 | EP | | 1337 | 54.02 | -0.07 | 52 | | | | | | 1.0 |
| BHL | BN | 18 | 284 | ES | | 1337 | 56.28 | 0.06 | | | | | | | 1.0 |
| DQRL | SZ | 31 | 235 | EP | | 1337 | 56.07 | -0.11 | | | | | | | 1.0 |
| RCY | SZ | 41 | 181 | EP | | 1337 | 57.89 | 0.07 | | | | | | | 1.0 |
| RCY | SN | 41 | 181 | ES | | 1338 | 2.76 | 0.05 | | | | | | | 1.0 |
| HWQ | SZ | 47 | 12 | EP | | 1337 | 58.83 | 0.07 | | | | | | | 1.0 |

November 16 2015 Hour: 14:17 9.1 Lat: 33.46N Lon: 35.69E Depth: 5 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 | 14 | 159 | EP | | 1417 | 11.61 | 0.03 | | | | | | | 1.0 |
| SHBL | BN | 14 | 159 | ES | | 1417 | 13.38 | -0.01 | | | | | | | 1.0 |
| RCY | SZ | 14 | 74 | EP | | 1417 | 11.61 | -0.01 | 39 | | | | | | 1.0 |
| DQRL | SZ | 29 | 337 | EP | | 1417 | 13.88 | -0.07 | | | | | | | 1.0 |
| DQRL | SN | 29 | 337 | ES | | 1417 | 17.55 | 0.03 | | | | | | | 1.0 |
| BHL | BZ | 49 | 356 | EP | | 1417 | 17.15 | 0.04 | | | | | | | 1.0 |
| HWQ | SZ | 94 | 15 | EP | | 1417 | 24.24 | 0.00 | | | | | | | 1.0 |

November 16 2015 Hour: 16:49 14.6

Agency: REL Distant

EMSC OT=16:49:14.6 48.25N 154.34E 40Km M=5.9 KURIL ISLANDS

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| HWQ | SZ | | | EP | | 17 | 1 | 25.35 | | | | | | | 1.0 |
| BHL | BZ | | | EP | | 17 | 1 | 28.16 | | | | | | | 1.0 |
| SHBL | BZ | | | EP | | 17 | 1 | 30.31 | | | | | | | 1.0 |

November 17 2015 Hour: 7:10 8.8

Agency: REL Distant

EMSC OT=07:10:08.8 38.76N 20.45E 10Km M=6.5 GREECE

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|------|------|------|------|-----|------|------|-----|
| BHL | BZ | | | EP | | 713 | 14.44 | | | | | | | | 1.0 |
| HWQ | BZ | | | EP | | 713 | 15.28 | | | | | | | | 1.0 |
| SHBL | BZ | | | EP | | 713 | 15.75 | | | | | | | | 1.0 |

November 17 2015 Hour: 15:34 54.1Lat: 33.79N Lon: 35.78E Depth: 5 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 |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| BHL | BZ | 17 | 318 | EP | | 1534 | 57.07 | -0.00 | 22 | | | | | | 1.0 |
| DQRL | SZ | 21 | 244 | EP | | 1534 | 57.71 | -0.02 | | | | | | | 1.0 |
| DQRL | SN | 21 | 244 | ES | | 1535 | 0.39 | 0.01 | | | | | | | 1.0 |
| RCY | SZ | 33 | 170 | EP | | 1534 | 59.59 | 0.01 | | | | | | | 1.0 |
| RCY | SN | 33 | 170 | ES | | 1535 | 3.59 | -0.01 | | | | | | | 1.0 |
| HWQ | SZ | 56 | 16 | EP | | 1535 | 3.30 | 0.00 | | | | | | | 1.0 |

November 17 2015 Hour: 17:29 36.2 Agency: REL Distant

EMSC OT=17:29:36.2 40.35N 73.26E 15Km M=5.5 KYRGYZSTAN

| | | | | | | | | | | | | | | | |
|------|----|------|-----|-------|---|------|-------|------|------|------|------|-----|------|------|----|
| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
| BHL | BZ | | | EP | | 1735 | 55.42 | | | | | | | | |
| HWQ | SZ | | | EP | | 1735 | 52.16 | | | | | | | | |

November 18 2015 Hour: 5:44 31.3 Lat: 33.41N Lon: 35.69E Depth: 17 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 | 8 | 144 | EP | | 544 | 34.56 | -0.02 | 28 | | | | | | 1.0 |
| SHBL | BN | 8 | 144 | ES | | 544 | 37.03 | 0.01 | | | | | | | 1.0 |
| RCY | SZ | 17 | 53 | EP | | 544 | 35.29 | 0.00 | | | | | | | 1.0 |
| DQRL | SZ | 35 | 341 | EP | | 544 | 37.59 | 0.02 | | | | | | | 1.0 |
| DQRL | SN | 35 | 341 | ES | | 544 | 42.23 | -0.01 | | | | | | | 1.0 |

November 18 2015 Hour: 6:46 23.8 Lat: 33.82N Lon: 35.71E Depth: 32 Agency: REL Local Magnitudes: 2.7MC 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 | 10 | 329 | EP | | 646 | 29.22 | -0.00 | 39 | | | | | | 1.0 |
| DQRL | SZ | 19 | 225 | EP | | 646 | 29.73 | 0.02 | | | | | | | 1.0 |
| DQRL | SN | 19 | 225 | ES | | 646 | 34.05 | -0.01 | | | | | | | 1.0 |
| QRWL | SZ | 31 | 185 | EP | | 646 | 30.77 | -0.02 | | | | | | | 1.0 |
| RCY | SZ | 38 | 162 | EP | | 646 | 31.65 | 0.00 | | | | | | | 1.0 |
| RCY | SE | 38 | 162 | ES | | 646 | 37.44 | 0.01 | | | | | | | 1.0 |
| HWQ | SZ | 55 | 23 | EP | | 646 | 33.69 | 0.00 | | | | | | | 0.2 |

November 18 2015 Hour: 12: 9 37.4 Lat: 33.47N Lon: 35.68E Depth: 0 Agency: REL Local Magnitudes: 2.5MC 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 | | 12 | 9 | 38.64 | -0.06 | | | | | | 1.0 |
| RCY | SZ | 14 | 80 | EP | | 12 | 9 | 39.73 | 0.02 | 29 | | | | | 1.0 |
| SHBL | BZ | 15 | 158 | EP | | 12 | 9 | 39.80 | -0.02 | | | | | | 1.0 |
| SHBL | BN | 15 | 158 | ES | | 12 | 9 | 41.64 | 0.01 | | | | | | 1.0 |
| DQRL | SZ | 28 | 338 | EP | | 12 | 9 | 41.87 | 0.02 | | | | | | 1.0 |
| DQRL | SN | 28 | 338 | ES | | 12 | 9 | 45.20 | 0.04 | | | | | | 1.0 |
| HWQ | SZ | 92 | 15 | EP | | 12 | 9 | 52.22 | -0.06 | | | | | | 0.2 |

November 18 2015 Hour: 14:55 39.6

Agency: REL Regional

EMSC OT=14:55:39.6 37.85N 29.32E 9Km M=4.2 WESTERN TURKEY

| | | | | | | | | | | | | | | | |
|------|----|------|-----|-------|---|------|-------|------|------|------|------|-----|------|------|----|
| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
| RCY | SZ | | | EP | | 1457 | 21.37 | | | | | | | | |
| DQRL | SZ | | | EP | | 1457 | 17.62 | | | | | | | | |

November 18 2015 Hour: 15:35 9.5 Lat: 34.02N Lon: 36.17E Depth: 48 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 |
| HWQ | SZ | 35 | 324 | EP | | 1535 | 18.20 | -0.03 | 43 | | | | | | 1.0 |
| HWQ | SN | 35 | 324 | ES | | 1535 | 24.72 | 0.02 | | | | | | | 1.0 |
| BHL | BZ | 50 | 255 | EP | | 1535 | 19.56 | 0.00 | | | | | | | 1.0 |
| BHL | BE | 50 | 255 | ES | | 1535 | 26.98 | -0.02 | | | | | | | 1.0 |
| DQRL | SZ | 66 | 238 | EP | | 1535 | 21.31 | 0.03 | | | | | | | 1.0 |
| RCY | SZ | 66 | 208 | EP | | 1535 | 21.36 | -0.00 | | | | | | | 1.0 |

November 19 2015 Hour: 9:47 6.9 Lat: 33.42N Lon: 35.65E Depth: 3 Agency: REL Local Magnitudes: 3.0MC 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 | 11 | 131 | EP | | 947 | 8.89 | 0.02 | | | | | | | 1.0 |
| QRWL | SZ | 15 | 10 | EP | | 947 | 9.35 | -0.08 | | | | | | | 1.0 |
| QRWL | SN | 15 | 10 | ES | | 947 | 11.28 | -0.00 | | | | | | | 1.0 |
| RCY | SZ | 19 | 62 | EP | | 947 | 10.03 | -0.07 | 62 | | | | | | 1.0 |
| RCY | SN | 19 | 62 | ES | | 947 | 12.51 | 0.06 | | | | | | | 1.0 |
| DQRL | SZ | 33 | 346 | EP | | 947 | 12.39 | 0.07 | | | | | | | 1.0 |
| BHL | BZ | 54 | 360 | EP | | 947 | 15.73 | 0.02 | | | | | | | 1.0 |
| HWQ | SZ | 100 | 16 | EP | | 947 | 22.98 | -0.01 | | | | | | | 1.0 |

November 20 2015 Hour: 9:53 37.9 Lat: 33.80N Lon: 35.79E Depth: 15 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 | 53 | EP | | 953 | 41.14 | 0.01 | | | | | | | 1.0 |
| ZAHL | SN | 11 | 53 | ES | | 953 | 43.52 | -0.01 | | | | | | | 1.0 |
| BHL | BZ | 17 | 314 | EP | | 953 | 41.69 | -0.02 | 33 | | | | | | 1.0 |
| DQRL | SZ | 23 | 244 | EP | | 953 | 42.39 | 0.04 | | | | | | | 1.0 |
| DQRL | SE | 23 | 244 | ES | | 953 | 45.66 | 0.01 | | | | | | | 1.0 |
| QRWL | SZ | 29 | 200 | EP | | 953 | 43.18 | -0.06 | | | | | | | 1.0 |
| RCY | SZ | 34 | 172 | EP | | 953 | 43.91 | 0.03 | | | | | | | 1.0 |
| HWQ | SZ | 55 | 15 | EP | | 953 | 47.10 | 0.04 | | | | | | | 0.2 |

November 21 2015 Hour: 0: 2 38.9 Lat: 33.77N Lon: 35.80E Depth: 0 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 | 39 | EP | | 0 | 2 | 40.83 | -0.08 | | | | | | 1.0 |
| ZAHL | SN | 13 | 39 | ES | | 0 | 2 | 42.45 | 0.04 | | | | | | 1.0 |
| DQRL | SZ | 23 | 251 | EP | | 0 | 2 | 42.42 | -0.10 | | | | | | 1.0 |
| DQRL | SN | 23 | 251 | ES | | 0 | 2 | 45.26 | 0.05 | | | | | | 1.0 |
| RCY | SZ | 31 | 174 | EP | | 0 | 2 | 43.85 | 0.01 | 32 | | | | | 1.0 |
| SHBL | BZ | 47 | 186 | EP | | 0 | 2 | 46.53 | 0.03 | | | | | | 1.0 |
| HWQ | SZ | 58 | 14 | EP | | 0 | 2 | 48.27 | 0.06 | | | | | | 1.0 |

November 21 2015 Hour: 6:46 33.8 Lat: 33.45N Lon: 35.92E Depth: 4 Agency: REL Local Magnitudes: 2.5MC 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 | 10 | 304 | EP | | 646 | 35.69 | 0.00 | 31 | | | | | | 1.0 |
| RCY | SN | 10 | 304 | ES | | 646 | 37.04 | -0.03 | | | | | | | 1.0 |
| SHBL | BZ | 20 | 237 | EP | | 646 | 37.19 | 0.00 | | | | | | | 1.0 |
| SHBL | BN | 20 | 237 | ES | | 646 | 39.68 | -0.00 | | | | | | | 1.0 |
| QRWL | SZ | 25 | 297 | EP | | 646 | 38.01 | 0.05 | | | | | | | 1.0 |
| DQRL | SZ | 44 | 311 | EP | | 646 | 40.59 | -0.32 | | | | | | | 0.2 |

November 21 2015 Hour: 7: 5 4.2 Lat: 33.87N Lon: 35.81E Depth: 5 Agency: REL Local Magnitudes: 2.3MC 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 | 7 | 103 | EP | | 7 | 5 | 5.68 | -0.09 | 22 | | | | | 1.0 |
| ZAHL | SN | 7 | 103 | ES | | 7 | 5 | 6.96 | 0.05 | | | | | | 1.0 |
| BHL | BZ | 15 | 284 | EP | | 7 | 5 | 6.77 | -0.05 | | | | | | 1.0 |
| DQRL | SZ | 29 | 230 | EP | | 7 | 5 | 8.98 | -0.02 | | | | | | 1.0 |
| DQRL | SN | 29 | 230 | ES | | 7 | 5 | 12.59 | 0.06 | | | | | | 1.0 |
| HWQ | SZ | 47 | 16 | EP | | 7 | 5 | 11.88 | 0.06 | | | | | | 1.0 |

**November 21 2015 Hour: 9:29 59.0 Lat: 33.41N Lon: 35.67E Depth: 8 Agency: REL Local
Magnitudes: 2.7MC 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 | 10 | 136 | EP | | 930 | 1.19 | 0.01 | 41 | | | | | | 1.0 |
| SHBL | BE | 10 | 136 | ES | | 930 | 2.81 | 0.02 | | | | | | | 1.0 |
| QRWL | SZ | 15 | 4 | EP | | 930 | 1.73 | -0.11 | | | | | | | 1.0 |
| RCY | SZ | 18 | 58 | EP | | 930 | 2.29 | 0.02 | | | | | | | 1.0 |
| RCY | SN | 18 | 58 | ES | | 930 | 4.70 | -0.00 | | | | | | | 1.0 |
| DQRL | SZ | 34 | 344 | EP | | 930 | 4.65 | -0.03 | | | | | | | 1.0 |
| DQRL | SN | 34 | 344 | ES | | 930 | 8.96 | 0.08 | | | | | | | 1.0 |
| HWQ | SZ | 100 | 15 | EP | | 930 | 15.04 | 0.02 | | | | | | | 1.0 |

**November 21 2015 Hour: 11:18 49.3 Lat: 33.47N Lon: 35.68E Depth: 3 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 | 9 | 1 | EP | | 1118 | 50.89 | 0.02 | | | | | | | 1.0 |
| SHBL | BZ | 15 | 156 | EP | | 1118 | 51.76 | -0.00 | | | | | | | 1.0 |
| RCY | SZ | 15 | 78 | EP | | 1118 | 51.80 | -0.00 | 36 | | | | | | 1.0 |
| RCY | SE | 15 | 78 | ES | | 1118 | 53.64 | -0.01 | | | | | | | 1.0 |
| DQRL | SZ | 28 | 339 | EP | | 1118 | 53.91 | -0.01 | | | | | | | 1.0 |
| DQRL | SE | 28 | 339 | ES | | 1118 | 57.32 | -0.01 | | | | | | | 1.0 |
| HWQ | SZ | 93 | 15 | EP | | 1119 | 4.48 | 0.13 | | | | | | | 0.2 |

**November 21 2015 Hour: 14:20 17.3 Lat: 33.80N Lon: 35.77E Depth: 2 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 | 58 | EP | | 1420 | 19.40 | -0.01 | | | | | | | 1.0 |
| BHL | BZ | 16 | 317 | EP | | 1420 | 19.88 | -0.07 | 33 | | | | | | 1.0 |
| BHL | BN | 16 | 317 | ES | | 1420 | 21.91 | 0.00 | | | | | | | 1.0 |
| DQRL | SZ | 21 | 241 | EP | | 1420 | 20.66 | -0.13 | | | | | | | 1.0 |
| DQRL | SN | 21 | 241 | ES | | 1420 | 23.47 | 0.11 | | | | | | | 1.0 |
| HWQ | SZ | 56 | 17 | EP | | 1420 | 26.40 | 0.09 | | | | | | | 1.0 |

**November 21 2015 Hour: 14:36 28.4 Lat: 33.79N Lon: 35.78E Depth: 9 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 | 52 | EP | | 1436 | 31.07 | -0.02 | | | | | | | 1.0 |
| ZAHL | SN | 13 | 52 | ES | | 1436 | 33.09 | 0.01 | | | | | | | 1.0 |
| BHL | BZ | 17 | 319 | EP | | 1436 | 31.64 | -0.03 | 32 | | | | | | 1.0 |
| DQRL | SZ | 21 | 245 | EP | | 1436 | 32.20 | -0.02 | | | | | | | 1.0 |
| DQRL | SN | 21 | 245 | ES | | 1436 | 35.09 | 0.03 | | | | | | | 1.0 |
| HWQ | SZ | 57 | 16 | EP | | 1436 | 37.73 | 0.04 | | | | | | | 1.0 |

**November 23 2015 Hour: 15:50 13.8 Lat: 33.82N Lon: 35.77E Depth: 21 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 |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| ZAHL | SZ | 11 | 68 | EP | | 1550 | 17.77 | 0.03 | | | | | | | 1.0 |
| BHL | BZ | 14 | 310 | EP | | 1550 | 18.00 | 0.05 | 26 | | | | | | 1.0 |
| BHL | BN | 14 | 310 | ES | | 1550 | 21.02 | -0.02 | | | | | | | 1.0 |
| DQRL | SZ | 23 | 236 | EP | | 1550 | 18.75 | -0.02 | | | | | | | 1.0 |
| RCY | SZ | 36 | 171 | EP | | 1550 | 20.55 | 0.06 | | | | | | | 1.0 |
| RCY | SN | 36 | 171 | ES | | 1550 | 25.41 | -0.05 | | | | | | | 1.0 |
| HWQ | SZ | 53 | 17 | EP | | 1550 | 22.72 | -0.05 | | | | | | | 1.0 |

November 23 2015 Hour: 23:54 6.2 Lat: 33.80N Lon: 35.82E Depth: 19 Agency: REL Local Magnitudes: 2.4MC 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 | 9 | 42 | EP | | 2354 | 9.77 | 0.04 | | | | | | | 1.0 |
| ZAHL | SN | 9 | 42 | ES | | 2354 | 12.35 | -0.02 | | | | | | | 1.0 |
| BHL | BZ | 19 | 306 | EP | | 2354 | 10.60 | -0.04 | 26 | | | | | | 1.0 |
| BHL | BE | 19 | 306 | ES | | 2354 | 13.97 | 0.02 | | | | | | | 1.0 |
| DQRL | SZ | 26 | 246 | EP | | 2354 | 11.36 | -0.00 | | | | | | | 1.0 |
| HWQ | SZ | 54 | 12 | EP | | 2354 | 15.23 | -0.00 | | | | | | | 1.0 |

November 24 2015 Hour: 14:32 36.1 Lat: 33.45N Lon: 35.73E Depth: 16 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 |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| RCY | SZ | 11 | 63 | EP | | 1432 | 39.32 | -0.00 | 46 | | | | | | 1.0 |
| SHBL | BZ | 12 | 176 | EP | | 1432 | 39.43 | 0.02 | | | | | | | 1.0 |
| SHBL | BN | 12 | 176 | ES | | 1432 | 41.89 | -0.01 | | | | | | | 1.0 |
| DQRL | SZ | 32 | 332 | EP | | 1432 | 41.80 | -0.02 | | | | | | | 1.0 |
| DQRL | SN | 32 | 332 | ES | | 1432 | 46.10 | 0.01 | | | | | | | 1.0 |
| BHL | BZ | 51 | 352 | EP | | 1432 | 44.52 | 0.00 | | | | | | | 1.0 |

November 24 2015 Hour: 14:37 33.6 Lat: 33.78N Lon: 35.78E Depth: 7 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 | 49 | EP | | 1437 | 36.00 | -0.01 | | | | | | | 1.0 |
| BHL | BZ | 18 | 319 | EP | | 1437 | 36.67 | -0.08 | 37 | | | | | | 1.0 |
| BHL | BN | 18 | 319 | ES | | 1437 | 39.13 | 0.02 | | | | | | | 1.0 |
| DQRL | SZ | 22 | 247 | EP | | 1437 | 37.31 | 0.04 | | | | | | | 1.0 |
| RCY | SZ | 32 | 171 | EP | | 1437 | 38.86 | -0.07 | | | | | | | 1.0 |
| RCY | SN | 32 | 171 | ES | | 1437 | 42.94 | 0.05 | | | | | | | 1.0 |
| HWQ | SZ | 57 | 15 | EP | | 1437 | 42.92 | 0.06 | | | | | | | 1.0 |

November 24 2015 Hour: 15:38 36.2 Lat: 33.79N Lon: 35.76E Depth: 3 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 | 14 | 59 | EP | | 1538 | 38.42 | -0.08 | | | | | | | 1.0 |
| ZAHL | SN | 14 | 59 | ES | | 1538 | 40.24 | 0.04 | | | | | | | 1.0 |
| BHL | BZ | 16 | 321 | EP | | 1538 | 38.77 | -0.05 | 29 | | | | | | 1.0 |
| DQRL | SZ | 20 | 241 | EP | | 1538 | 39.53 | -0.01 | | | | | | | 1.0 |
| DQRL | SN | 20 | 241 | ES | | 1538 | 42.05 | 0.04 | | | | | | | 1.0 |
| HWQ | SZ | 56 | 18 | EP | | 1538 | 45.37 | 0.06 | | | | | | | 1.0 |

November 24 2015 Hour: 22:45 40.1 Agency: REL Distant EMSC OT=22:45:40.1 10.67S 71.05W 636Km M=7.6 CENTRAL PERU

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|------|------|------|------|-----|------|------|----|
| DQRL | SZ | | | EP | | 23 | 3 | 2.12 | | | | | | | |
| BHL | BZ | | | EP | | 23 | 3 | 1.59 | | | | | | | |
| SHBL | BZ | | | EP | | 23 | 3 | 1.72 | | | | | | | |
| RCY | SZ | | | EP | | 23 | 3 | 2.51 | | | | | | | |

November 25 2015 Hour: 3:1 22.3 Lat: 33.70N Lon: 35.13E Depth: 25 Agency: REL Local Magnitudes: 2.6MC REL Rms: 0.1 secs

OFFSHORE CENTRAL LEBANON

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|-------|------|------|-----|------|------|-----|
| DQRL | SZ | 41 | 89 | EP | | 3 | 1 | 29.85 | 0.02 | | | | | | 1.0 |
| DQRL | SN | 41 | 89 | ES | | 3 | 1 | 35.42 | -0.01 | | | | | | 1.0 |
| SHBL | BZ | 69 | 124 | EP | | 3 | 1 | 33.65 | -0.09 | | | | | | 1.0 |
| RCY | SZ | 70 | 109 | EP | | 3 | 1 | 33.89 | 0.13 | 33 | | | | | 1.0 |
| RCY | SE | 70 | 109 | ES | | 3 | 1 | 42.26 | -0.01 | | | | | | 1.0 |
| ZAHL | SZ | 72 | 76 | EP | | 3 | 1 | 34.11 | -0.05 | | | | | | 1.0 |

November 25 2015 Hour: 5:37 5.7 Lat: 33.89N Lon: 35.81E Depth: 1 Agency: REL Local Magnitudes: 2.3MC REL Rms: 0.0 secs

METN REGION

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| ZAHL | SZ | 8 | 116 | EP | | 537 | 7.06 | -0.00 | | | | | | | 1.0 |
| BHL | BZ | 15 | 277 | EP | | 537 | 8.03 | -0.07 | 22 | | | | | | 1.0 |
| BHL | BN | 15 | 277 | ES | | 537 | 9.90 | 0.04 | | | | | | | 1.0 |
| DQRL | SZ | 30 | 228 | EP | | 537 | 10.60 | 0.01 | | | | | | | 1.0 |
| HWQ | SZ | 45 | 16 | EP | | 537 | 13.05 | 0.05 | | | | | | | 1.0 |
| HWQ | SN | 45 | 16 | ES | | 537 | 18.35 | -0.03 | | | | | | | 1.0 |

November 25 2015 Hour: 15:19 37.9 Lat: 33.97N Lon: 36.17E Depth: 8 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 |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| HWQ | BZ | 40 | 329 | EP | | 1519 | 44.63 | 0.02 | 43 | | | | | | 1.0 |
| HWQ | BN | 40 | 329 | ES | | 1519 | 49.54 | -0.01 | | | | | | | 1.0 |
| BHL | BZ | 49 | 262 | EP | | 1519 | 45.91 | -0.02 | | | | | | | 1.0 |
| BHL | BN | 49 | 262 | ES | | 1519 | 51.85 | 0.01 | | | | | | | 1.0 |
| RCY | SZ | 61 | 211 | EP | | 1519 | 47.93 | 0.01 | | | | | | | 1.0 |
| RCY | SN | 61 | 211 | ES | | 1519 | 55.31 | -0.00 | | | | | | | 1.0 |
| DQRL | SZ | 63 | 243 | EP | | 1519 | 48.22 | -0.01 | | | | | | | 1.0 |

November 25 2015 Hour: 21:17 18.6

Agency: REL Distant

EMSC OT=21:17:18.6 31.79N 49.60E 10Km M=5.3 WESTERN IRAN

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|------|------|------|------|-----|------|------|----|
| RCY | SZ | | | EP | | 2120 | 4.91 | | | | | | | | |
| BHL | BZ | | | EP | | 2120 | 7.37 | | | | | | | | |
| DQRL | SZ | | | EP | | 2120 | 7.99 | | | | | | | | |

November 26 2015 Hour: 4:44 8.0 Lat: 33.46N Lon: 35.62E Depth: 15 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 |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| SHBL | BZ | 17 | 137 | EP | | 444 | 11.71 | 0.01 | | | | | | | 1.0 |
| RCY | SZ | 20 | 77 | EP | | 444 | 12.10 | -0.05 | 35 | | | | | | 1.0 |
| RCY | SE | 20 | 77 | ES | | 444 | 15.28 | 0.03 | | | | | | | 1.0 |
| DQRL | SZ | 28 | 350 | EP | | 444 | 13.16 | 0.02 | | | | | | | 1.0 |
| DQRL | SN | 28 | 350 | ES | | 444 | 16.95 | -0.02 | | | | | | | 1.0 |
| BHL | BZ | 50 | 3 | EP | | 444 | 16.28 | 0.01 | | | | | | | 1.0 |
| HWQ | SZ | 96 | 18 | EP | | 444 | 23.05 | -0.01 | | | | | | | 0.2 |

November 26 2015 Hour: 10:43 0.0 Lat: 33.55N Lon: 35.33E Depth: 0 Agency: REL Local Magnitudes: 2.6MC REL Rms: 0.1 secs

SAIDA REGION

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|------------|-------|------|------|-----|------|------|-----|
| DQRL | SZ | 28 | 53 | EP | | 10 | 4 | 34.48-0.14 | 36 | | | | | | 1.0 |
| DQRL | SN | 28 | 53 | ES | | 10 | 4 | 38.05 | 0.04 | | | | | | 1.0 |
| QRWL | SZ | 33 | 90 | EP | | 10 | 4 | 35.29 | -0.07 | | | | | | 1.0 |
| RCY | SZ | 48 | 97 | EP | | 10 | 4 | 37.86 | 0.13 | | | | | | 1.0 |
| RCY | SN | 48 | 97 | ES | | 10 | 4 | 43.40 | -0.02 | | | | | | 1.0 |
| HWQ | SZ | 99 | 35 | EP | | 10 | 4 | 46.06 | 0.06 | | | | | | 1.0 |

November 26 2015 Hour: 23:56 5.7 Lat: 33.80N Lon: 35.80E Depth: 12 Agency: REL Local Magnitudes: 2.4MC 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 | | 2356 | 8.44 | -0.02 | | | | | | | 1.0 |
| ZAHL | SN | 11 | 50 | ES | | 2356 | 10.50 | 0.01 | | | | | | | 1.0 |
| BHL | BZ | 18 | 312 | EP | | 2356 | 9.26 | -0.02 | 27 | | | | | | 1.0 |
| DQRL | SZ | 23 | 244 | EP | | 2356 | 10.02 | -0.01 | | | | | | | 1.0 |
| DQRL | SN | 23 | 244 | ES | | 2356 | 13.23 | 0.02 | | | | | | | 1.0 |
| HWQ | SZ | 55 | 14 | EP | | 2356 | 14.89 | 0.02 | | | | | | | 1.0 |

**November 27 2015 Hour: 9:53 42.3 Lat: 34.03N Lon: 35.70E 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 | 15 | 198 | EP | | 953 | 44.64 | -0.03 | 43 | | | | | | 1.0 |
| BHL | BN | 15 | 198 | ES | | 953 | 46.34 | -0.07 | | | | | | | 1.0 |
| HWQ | SZ | 36 | 39 | EP | | 953 | 48.01 | -0.05 | | | | | | | 1.0 |
| HWQ | SN | 36 | 39 | ES | | 953 | 52.32 | 0.02 | | | | | | | 1.0 |
| DQRL | SZ | 38 | 199 | EP | | 953 | 48.56 | 0.13 | | | | | | | 1.0 |
| RCY | SZ | 60 | 168 | EP | | 953 | 52.02 | -0.02 | | | | | | | 1.0 |
| RCY | SN | 60 | 168 | ES | | 953 | 59.25 | 0.02 | | | | | | | 1.0 |

**November 27 2015 Hour: 11:17 20.2 Lat: 33.43N Lon: 35.68E Depth: 0 Agency: REL Local
Magnitudes: 2.4MC 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 | 148 | EP | | 1117 | 21.96 | -0.02 | | | | | | | 1.0 |
| SHBL | BN | 11 | 148 | ES | | 1117 | 23.35 | 0.02 | | | | | | | 1.0 |
| QRWL | SZ | 13 | 0 | EP | | 1117 | 22.15 | -0.08 | | | | | | | 1.0 |
| RCY | SZ | 16 | 64 | EP | | 1117 | 22.79 | 0.02 | 27 | | | | | | 1.0 |
| DQRL | SZ | 32 | 341 | EP | | 1117 | 25.35 | 0.02 | | | | | | | 1.0 |
| DQRL | SN | 32 | 341 | ES | | 1117 | 29.18 | 0.04 | | | | | | | 1.0 |

**November 27 2015 Hour: 13:1 11.6 Lat: 33.74N Lon: 35.29E Depth: 1 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.1 secs**

OFFSHORE CENTRAL LEBANON

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|-------|------|------|-----|------|------|-----|
| DQRL | SZ | 27 | 99 | EP | | 13 | 1 | 15.85 | -0.09 | 38 | | | | | 1.0 |
| DQRL | SN | 27 | 99 | ES | | 13 | 1 | 19.13 | 0.01 | | | | | | 1.0 |
| BHL | BZ | 38 | 62 | EP | | 13 | 1 | 17.94 | 0.10 | | | | | | 1.0 |
| QRWL | SZ | 43 | 121 | EP | | 13 | 1 | 18.31 | -0.21 | | | | | | 1.0 |
| SHBL | BZ | 61 | 136 | EP | | 13 | 1 | 21.62 | 0.13 | | | | | | 1.0 |
| SHBL | BN | 61 | 136 | ES | | 13 | 1 | 28.83 | 0.06 | | | | | | 1.0 |

**November 27 2015 Hour: 15:57 19.2 Lat: 33.80N Lon: 35.77E Depth: 13 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 |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| ZAHL | SZ | 13 | 58 | EP | | 1557 | 22.25 | 0.03 | | | | | | | 1.0 |
| ZAHL | SN | 13 | 58 | ES | | 1557 | 24.47 | -0.01 | | | | | | | 1.0 |
| BHL | BZ | 16 | 317 | EP | | 1557 | 22.60 | -0.00 | 21 | | | | | | 1.0 |
| DQRL | SZ | 21 | 241 | EP | | 1557 | 23.25 | -0.03 | | | | | | | 1.0 |
| DQRL | SN | 21 | 241 | ES | | 1557 | 26.33 | 0.02 | | | | | | | 1.0 |
| HWQ | SZ | 56 | 17 | EP | | 1557 | 28.42 | 0.00 | | | | | | | 1.0 |

November 29 2015 Hour: 0:28 8.0 Agency: REL Regional

EMSC OT=00:28:08.0 38.84N 37.84E 22Km M=5.0 CENTRAL TURKEY

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|------|------|------|------|-----|------|------|----|
| HWQ | SZ | | | EP | | 029 | 25.72 | | | | | | | | |
| ZAHL | SZ | | | EP | | 029 | 31.67 | | | | | | | | |
| BHL | BZ | | | EP | | 029 | 31.24 | | | | | | | | |
| DQRL | SZ | | | EP | | 029 | 35.69 | | | | | | | | |
| RCY | SZ | | | EP | | 029 | 37.25 | | | | | | | | |
| SHBL | BZ | | | EP | | 029 | 38.70 | | | | | | | | |

November 30 2015 Hour: 1:4 41.8 Agency: REL Regional

EMSC OT=01:04:41.8 34.49N 28.62E 60Km M=3.9 EASTERN MEDITERRANEAN SEA

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|------|------|------|------|-----|------|------|----|
| DQRL | SZ | | | EP | | 1 | 6 | 4.10 | | | | | | | |
| BHL | BZ | | | EP | | 1 | 6 | 4.06 | | | | | | | |
| ZAHL | SZ | | | EP | | 1 | 6 | 7.76 | | | | | | | |
| SHBL | BZ | | | EP | | 1 | 6 | 7.22 | | | | | | | |
| RCY | SZ | | | EP | | 1 | 6 | 8.07 | | | | | | | |