

Republic of Lebanon
National Council for Scientific Research

Provisional Seismological Bulletin

from the

NATIONAL SEISMIC NETWORK

September

2006

Prepared by
The National Centre for Geophysical Research
Bhannes

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

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

GENERAL BULLETIN INFORMATION

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

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

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

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

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

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

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

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

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

All available coda values are used for magnitude calculations. No station corrections are used for either travel times or magnitudes calculations. The 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	Opened Nov 2000
FKH	3414.13N	3624.11E	1170	FAKEHEH	Opened Dec 2004
RCY	3329.08N	3549.13E	1360	RACHAYA	Opened Jun 2006
DWR	3323.13N	3524.08E	420	DWEIR	Scheduled 2003
BEYL	3352.30N	3529.59E	49	BEIRUT	Opened Jul 2006

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: GRL throughout the bulletin, aka. Geophysical Research Lebanon

MAGNITUDES: Up to 3 different magnitudes can be given followed by type and reporting agency, e.g. 3.1 MC GRL - coda magnitude calculated according to GRL standard parameters.

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.

September 1 2006 Hour: 0:10 17.0 Lat: 33.97N Lon: 35.25E Depth: 0 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.5 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BN	38	101	ESg		010	27.39	-0.40							1.0
HWQ	SZ	73	62	EPg		010	27.98	-0.83							1.0
HWQ	SE	73	62	ESg		010	38.01	0.50							1.0
BHL	BZ			EPg		010	23.86								

September 1 2006 Hour: 6:54 21.4 Kermadec Islands mb=5.4 Agency: REL Distant

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ			EP		654	49.94								
BHL	BZ			EP		654	49.83								

September 2 2006 Hour: 10:37 23.1 Lat: 33.58N Lon: 36.55E Depth: 0 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.5 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	69	261	EPg		1037	34.14	-0.06	44						1.0
RCY	SN	69	261	ESg		1037	41.89	-0.55							1.0
BHL	BZ	91	293	EPg		1037	36.94	-0.74							1.0
BHL	BN	91	293	ESg		1037	48.30	-0.20							1.0
HWQ	SZ	96	324	EPg		1037	38.72	0.26							1.0
HWQ	SE	96	324	ESg		1037	50.38	0.53							1.0

September 2 2006 Hour: 10:48 54.8 Lat: 33.60N Lon: 36.58E Depth: 0 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.8 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	72	260	EPg		1049	5.91	-0.50	38						1.0
RCY	SE	72	260	ESg		1049	13.89	-1.10							1.0
BHL	BZ	92	292	EPg		1049	9.64	-0.05							1.0
BHL	BN	92	292	ESg		1049	20.55	-0.15							1.0
HWQ	SN	95	322	ESg		1049	22.15	0.56							1.0

September 2 2006 Hour: 11:10 45.7 Lat: 33.77N Lon: 35.70E Depth: 7 Agency: REL Local
Magnitudes: 3.0MC REL Rms: 0.9 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	16	345	IPg		1110	47.79	-0.79	60						1.0
BHL	BN	16	345	ISg		1110	50.85	0.12							1.0
RCY	SZ	33	160	IPg		1110	50.45	-0.76							1.0
RCY	SE	33	160	ISg		1110	55.67	0.36							1.0
MATL	SZ	46	228	EPg		1110	53.88	0.70							1.0
HWQ	SZ	61	22	IPg		1110	54.30	-1.34							1.0
HWQ	SE	61	22	ISg		1111	4.48	1.45							1.0

September 2 2006 Hour: 12:31 2.2 Lat: 34.61N Lon: 36.11E Depth: 0 Agency: REL Local
Magnitudes: 2.9MC REL Rms: 0.4 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	40	202	EPg		1231	7.93	-0.63	52						1.0
HWQ	SE	40	202	ESg		1231	12.80	-0.50							1.0
BHL	BZ	89	208	EPg		1231	16.82	0.35							1.0
BHL	BN	89	208	ESg		1231	27.32	0.26							1.0

September 3 2006 Hour: 1:33 7.7 Lat: 36.43N Lon: 27.37E Depth: 0 Agency: REL Regional
Magnitudes: 4.4MC REL Rms: 1.4 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	805	108	EPn		134	53.00	-0.86							1.0
BHL	BN	805	108	Sn		136	9.75	-2.66							1.0
HWQ	SZ	815	105	EPn		134	55.59	0.44	167						1.0
HWQ	SN	815	105	Sn		136	15.74	1.09							1.0
RCY	SZ	838	111	EPn		134	58.40	0.41							1.0
RCY	SN	838	111	Sn		136	21.17	1.58							1.0

September 3 2006 Hour: 2:17 3.3 Tokelau mb=5.3 Agency: REL Distant

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EP		217	18.36								

September 3 2006 Hour: 4:45 56.3 Tonga Mw=5.6 Agency: REL Distant

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ			EP		446	18.63								
BHL	BZ			EP		446	18.20								

September 3 2006 Hour: 5:54 35.0 Lat: 34.88N Lon: 36.47E Depth: 12 Agency: REL Local
Magnitudes: 2.9MC REL Rms: 0.3 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
FKH	SZ	72	185	EPg		554	47.25	0.50	49						1.0
FKH	SN	72	185	ESg		554	55.19	-0.29							1.0
HWQ	SZ	83	216	EPg		554	48.13	-0.32							1.0
HWQ	SN	83	216	ESg		554	58.60	0.18							1.0
BHL	BZ	132	215	EPg		554	56.17	-0.18							1.0
BHL	BN	132	215	ESg		555	12.28	0.10							1.0

September 3 2006 Hour: 8:31 41.3 Lat: 31.82N Lon: 35.45E Depth: 0 Agency: REL Regional
Magnitudes: 3.7MC REL Rms: 1.2 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MATL	SZ	185	356	EPn		832	10.58	0.21							1.0
RCY	SZ	188	10	EPn		832	9.12	-1.68	132						1.0
RCY	SE	188	10	Sn		832	30.65	-1.97							1.0
BHL	BZ	232	5	EPn		832	15.67	-0.58							1.0
BHL	BE	232	5	Sn		832	42.38	0.28							1.0
HWQ	SZ	276	9	EPn		832	22.98	1.18							1.0
HWQ	SE	276	9	Sn		832	53.46	1.70							1.0
FKH	SZ	282	18	EPn		832	23.35	0.84							1.0

September 3 2006 Hour: 23:15 41.0 Fiji Islands mb=5.6 Agency: REL Distant

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ			EP		2316	7.73								
BHL	BZ			EP		2316	7.46								

September 4 2006 Hour: 3:15 35.3 Lat: 33.18N Lon: 36.03E Depth: 0 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.7 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	39	329	EPg		315	42.30	0.69	41						1.0
RCY	SN	39	329	ESg		315	45.76	-0.52							1.0
BHL	BZ	88	336	EPg		315	50.22	0.80							1.0
BHL	BN	88	336	ESg		316	0.33	0.46							1.0
HWQ	SZ	122	356	EPg		315	53.68	-1.27							1.0

September 4 2006 Hour: 3:25 1.3 Iran-Iraq border Mw=4.0 Agency: REL Regional

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ			EPn		325	53.96								
HWQ	SN			Sn		327	50.82								
BHL	BN			Sn		327	59.44								
RCY	SN			Sn		327	53.53								
BHL	BZ			EPn		325	58.59								

September 4 2006 Hour: 10:47 29.7 Lat: 34.68N Lon: 36.76E Depth: 22 Agency: REL Local
Magnitudes: 3.2MC REL Rms: 0.2 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	87	239	EPg		1047	43.81	0.15	69						1.0
HWQ	SE	87	239	ESg		1047	53.95	-0.03							1.0
BHL	BZ	134	230	EPg		1047	50.52	0.11							1.0
BHL	BN	134	230	ESg		1048	5.61	-0.13							1.0
RCY	SZ	159	213	EPg		1047	53.95	-0.19							1.0
RCY	SN	159	213	ESg		1048	12.09	-0.13							1.0

September 4 2006 Hour: 16:022.2 Lat: 33.03N Lon: 35.65E Depth: 14 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.2 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	53	17	EPg		16 0	30.89	-0.17	32						1.0
RCY	SN	53	17	ESg		16 0	37.62	0.03							1.0
BHL	BZ	97	0	EPg		16 0	37.80	0.27							1.0
BHL	BN	97	0	ESg		16 0	48.99	0.13							1.0

September 5 2006 Hour: 5:53.7 Mindanao mb=5.6 Agency: REL Distant

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ			EP		5 5	30.28								
BHL	BZ			EP		5 5	30.31								

September 5 2006 Hour: 8:3821.2 Lat: 35.20N Lon: 38.50E Depth: 14 Agency: REL Regional
Magnitudes: 3.7MC REL Rms: 0.5 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	255	247	EPn		838	57.05	-0.46							1.0
HWQ	SN	255	247	Sn		839	24.45	0.08							1.0
BHL	BZ	298	242	EPn		839	3.34	0.52	118						1.0
BHL	BE	298	242	Sn		839	33.74	0.13							1.0
RCY	SZ	311	233	EPn		839	3.56	-0.96							1.0
RCY	SN	311	233	Sn		839	36.45	-0.13							1.0

September 5 2006 Hour: 13:3612.5 Lat: 34.44N Lon: 36.82E Depth: 1 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.4 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	83	257	EPg		1336	25.90	0.06	44						1.0
HWQ	SN	83	257	ESg		1336	35.48	-0.22							1.0
BHL	BZ	123	241	EPg		1336	33.18	0.80							1.0
BHL	BN	123	241	ESg		1336	46.90	-0.17							1.0
RCY	SZ	141	221	EPg		1336	34.77	-0.50							1.0
RCY	SN	141	221	ESg		1336	52.49	0.39							1.0

September 5 2006 Hour: 14:1157.9 Lat: 33.78N Lon: 35.75E Depth: 0 Agency: REL Local
Magnitudes: 2.9MC REL Rms: 1.1 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	16	328	IPg		1411	59.21	-1.30	51						1.0
BHL	BE	16	328	ISg		1412	3.00	0.53							1.0
RCY	SZ	33	169	IPg		1412	1.66	-1.56							1.0
RCY	SN	33	169	ISg		1412	7.09	-0.10							1.0
HWQ	SZ	58	18	IPg		1412	7.01	-0.25							1.0
HWQ	SE	58	18	ISg		1412	15.34	1.12							1.0

September 6 2006 Hour: 6:3556.1 Agency: REL Local

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ			EPg		637	11.18								
RCY	SN			ESg		637	20.78								
HWQ	SZ			EPg		637	14.33								
HWQ	SN			ESg		637	25.40								

September 6 2006 Hour: 10:3741.4 Lat: 33.72N Lon: 35.94E Depth: 49 Agency: REL Local
Magnitudes: 2.5MC REL Rms: 0.2 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	28	203	EPg		1037	49.45	-0.23	30						1.0
RCY	SN	28	203	ESg		1037	55.95	0.13							1.0
BHL	BZ	34	309	EPg		1037	49.93	-0.12							1.0
BHL	BE	34	309	ESg		1037	56.54	0.07							1.0
HWQ	SZ	62	1	EPg		1037	53.19	0.34							1.0
HWQ	SE	62	1	ESg		1038	1.14	-0.20							1.0

September 6 2006 Hour: 12:11 59.3

Agency: REL Regional

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ			EPn		1212	35.84								
BHL	BZ			EPn		1212	44.63								
HWQ	SE			Sn		1212	59.43								
BHL	BN			Sn		1213	9.37								

September 6 2006 Hour: 20:26 26.6 Fiji Islands mb=5.6

Agency: REL Distant

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EP		2026	39.80								

September 7 2006 Hour: 10:15 54.9 Lat: 33.57N Lon: 36.52E Depth: 0 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.5 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	66	262	EPg		1016	5.36	-0.22	38						1.0
RCY	SE	66	262	ESg		1016	13.04	-0.40							1.0
BHL	BZ	89	295	EPg		1016	8.42	-0.82							1.0
BHL	BE	89	295	ESg		1016	19.90	0.08							1.0
HWQ	SZ	95	326	EPg		1016	10.74	0.46							1.0
HWQ	SN	95	326	ESg		1016	21.86	0.23							1.0

September 7 2006 Hour: 10:34 52.2 Lat: 33.59N Lon: 36.60E Depth: 0 Agency: REL Local
Magnitudes: 2.9MC REL Rms: 1.3 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	74	261	EPg		1035	2.67	-1.41	52						1.0
RCY	SN	74	261	ESg		1035	12.28	-0.60							1.0
BHL	BZ	95	292	EPg		1035	6.84	-0.64							1.0
BHL	BN	95	292	ESg		1035	17.30	-1.49							1.0
HWQ	SZ	98	322	EPg		1035	7.90	-0.08							1.0
HWQ	SE	98	322	ESg		1035	21.57	1.90							1.0

September 7 2006 Hour: 23:28 11.1 Lat: 34.12N Lon: 33.91E Depth: 34 Agency: REL Local
Magnitudes: 3.4MC REL Rms: 0.3 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	163	98	EPg		2328	36.15	-0.10	84						1.0
BHL	BE	163	98	ESg		2328	55.07	0.17							1.0
HWQ	SZ	189	84	EPg		2328	40.41	0.40							1.0
HWQ	SE	189	84	ESg		2329	1.01	-0.43							1.0
RCY	SZ	190	111	EPg		2328	40.43	0.18							1.0
RCY	SE	190	111	ESg		2329	2.16	0.31							1.0

September 8 2006 Hour: 14:12 47.0 Lat: 33.78N Lon: 35.67E Depth: 3 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.9 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	SZ	13	355	IPg		1412	48.06	-1.20	43						1.0
BHL	SN	13	355	ISg		1412	51.55	0.62							1.0
RCY	SZ	36	157	IPg		1412	51.53	-1.34							1.0
RCY	SN	36	157	ISg		1412	57.25	0.04							1.0
HWQ	SZ	61	25	IPg		1412	56.21	-0.58							1.0
HWQ	SE	61	25	ISg		1413	5.06	1.03							1.0

September 8 2006 Hour: 14:14 40.3 Lat: 33.97N Lon: 35.50E Depth: 0 Agency: REL Local
Magnitudes: 2.4MC REL Rms: 0.3 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	16	118	EPg		1414	42.67	-0.21	25						1.0
BHL	BE	16	118	ESg		1414	44.45	-0.35							1.0
HWQ	SZ	53	50	EPg		1414	48.62	-0.26							1.0
HWQ	SE	53	50	ESg		1414	55.61	0.37							1.0
RCY	SZ	62	151	EPg		1414	50.43	0.21							1.0
RCY	SE	62	151	ESg		1414	57.98	0.41							1.0

September 8 2006 Hour: 17:41 1.2 Lat: 36.50N Lon: 29.93E Depth: 0 Agency: REL Regional
Magnitudes: 4.1MC REL Rms: 2.2 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	596	117	EP		1742	18.01	-2.67							1.0
BHL	BN	596	117	ES		1743	17.67	-1.85							1.0
MATL	SZ	596	123	EP		1742	25.07	4.50							1.0
HWQ	SZ	600	113	EP		1742	21.21	0.01	128						1.0
HWQ	SN	600	113	ES		1743	21.82	1.41							1.0
RCY	SN	633	120	ES		1743	28.52	1.00							1.0

September 8 2006 Hour: 22:39 12.7 Lat: 36.04N Lon: 28.23E Depth: 0 Agency: REL Regional
Magnitudes: 4.5MC REL Rms: 0.8 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEYL	BZ	706	108	EPn		2240	45.90	-0.51							1.0
BEYL	BN	706	108	Sn		2241	55.07	-0.69							1.0
MATL	SZ	709	111	EPn		2240	46.92	0.11							1.0
BHL	BZ	718	107	EPn		2240	47.38	-0.68							1.0
BHL	BN	718	107	Sn		2241	57.16	-1.48							1.0
HWQ	SZ	730	103	EPn		2240	50.05	0.54							1.0
HWQ	SE	730	103	Sn		2242	1.99	0.83							1.0
RCY	SZ	751	110	EPn		2240	52.62	0.53	187						1.0
RCY	SE	751	110	Sn		2242	7.00	1.35							1.0

September 9 2006 Hour: 2:18 36.7 Lat: 34.61N Lon: 33.90E Depth: 0 Agency: REL Regional
Magnitudes: 3.2MC REL Rms: 1.2 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEYL	BE	168	119	Sn		219	23.25	-0.18							1.0
BHL	BZ	179	115	EPn		219	4.47	-0.62							1.0
BHL	BN	179	115	Sn		219	23.88	-2.20							1.0
HWQ	SZ	191	100	EPn		219	6.03	-0.59	69						1.0
HWQ	SE	191	100	Sn		219	27.48	-1.26							1.0
RCY	SZ	216	125	EPn		219	10.46	0.72							1.0
RCY	SN	216	125	Sn		219	35.21	1.04							1.0

September 9 2006 Hour: 4:22 33.7 Flores Sea Mw=6.3 Agency: REL Distant

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ			EP		425	8.39								
BHL	BZ			EP		425	9.18								
BEYL	BZ			EP		425	10.96								

September 9 2006 Hour: 4:58 8.2 Lat: 31.86N Lon: 35.50E Depth: 0 Agency: REL Regional
Magnitudes: 4.2MC REL Rms: 0.8 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MATL	SZ	181	355	EP		458	36.10	-0.63							1.0
RCY	SZ	182	9	EP		458	36.30	-0.70							1.0
RCY	SE	182	9	ES		458	58.17	-0.11							1.0
BEYL	BZ	223	360	EP		458	42.56	0.60							1.0
BEYL	BN	223	360	ES		459	7.67	0.76							1.0
BHL	BZ	227	4	EP		458	42.40	-0.16	268						1.0
BHL	BN	227	4	ES		459	8.66	0.71							1.0
HWQ	SZ	271	9	EP		458	48.46	0.40							1.0
HWQ	SE	271	9	ES		459	19.05	1.51							1.0

September 9 2006 Hour: 10:3 9.1 Lat: 33.59N Lon: 36.59E Depth: 0 Agency: REL Local
Magnitudes: 3.0MC REL Rms: 0.9 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	72	261	EPg		10	3	19.47	-1.30	57					1.0
RCY	SN	72	261	ESg		10	3	28.58	-0.84						1.0
BHL	BZ	93	292	EPg		10	3	24.00	-0.11						1.0
HWQ	SZ	96	322	EPg		10	3	25.32	0.69						1.0
HWQ	SN	96	322	ESg		10	3	36.28	0.14						1.0

September 9 2006 Hour: 11:45 31.3 Lat: 34.81N Lon: 36.02E Depth: 0 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.4 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	59	187	EPg		1145	40.33	-0.60	41						1.0
HWQ	SE	59	187	ESg		1145	48.07	0.04							1.0
BHL	BZ	106	199	EPg		1145	48.51	0.06							1.0
BHL	BN	106	199	ESg		1146	1.07	-0.04							1.0
RCY	SZ	148	187	EPg		1145	55.80	0.55							1.0

September 10 2006 Hour: 7:33 37.1 Agency: REL Local

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ			EPg		7 5	21.77								
BHL	BZ			EPg		7 5	26.39								
HWQ	SE			ESg		7 5	26.32								
BHL	BE			ESg		7 5	31.87								

September 10 2006 Hour: 9:11 13.9 Agency: REL Distant

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EP		9 1	47.18								

September 10 2006 Hour: 12:44 52.4 Lat: 34.53N Lon: 36.12E Depth: 0 Agency: REL Local
Magnitudes: 3.1MC REL Rms: 0.6 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	32	210	EPg		1244	56.82	-0.85							1.0
BHL	BZ	82	212	EPg		1245	5.59	-0.05	66						1.0
BHL	BN	82	212	ESg		1245	15.79	0.39							1.0
RCY	SZ	119	194	EPg		1245	11.55	-0.14							1.0
RCY	SE	119	194	ESg		1245	25.54	-0.39							1.0

September 10 2006 Hour: 15:50 12.6 Lat: 35.22N Lon: 34.44E Depth: 40 Agency: REL Regional
Magnitudes: 3.3MC REL Rms: 0.8 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	173	127	EP		1550	37.62	0.27							1.0
HWQ	SN	173	127	ES		1550	55.99	0.36							1.0
BEYL	BE	178	147	ES		1550	54.20	-2.29							1.0
BHL	BZ	184	142	EP		1550	38.21	-0.43	75						1.0
BHL	BN	184	142	ES		1550	56.82	-1.05							1.0
RCY	SZ	231	146	EP		1550	44.41	-0.08							1.0
RCY	SE	231	146	ES		1551	8.77	0.72							1.0

September 11 2006 Hour: 10:33 49.6 Lat: 33.68N Lon: 37.00E Depth: 32 Agency: REL Local
Magnitudes: 3.1MC REL Rms: 0.3 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	112	259	EPg		1034	6.90	-0.49	62						1.0
RCY	SN	112	259	ESg		1034	20.75	0.20							1.0
HWQ	SZ	118	304	EPg		1034	8.27	0.05							1.0
HWQ	SN	118	304	ESg		1034	22.27	0.27							1.0
BHL	SZ	127	282	EPg		1034	9.39	-0.16							1.0
BHL	SE	127	282	ESg		1034	23.99	-0.33							1.0

September 11 2006 Hour: 10:57 47.8 Lat: 33.62N Lon: 36.91E Depth: 14 Agency: REL Local
Magnitudes: 3.0MC REL Rms: 0.0 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	102	262	EPg		1058	4.54	0.07							1.0
RCY	SE	102	262	ESg		1058	16.81	-0.01							1.0
HWQ	SZ	115	310	EPg		1058	6.47	-0.01	51						1.0

September 11 2006 Hour: 14:45 6.4 Lat: 33.77N Lon: 36.85E Depth: 15 Agency: REL Local
Magnitudes: 3.0MC REL Rms: 0.8 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
FKH	SZ	66	322	EPg		1445	17.99	0.89	54						1.0
FKH	SN	66	322	ESg		1445	23.95	-1.10							1.0
RCY	SZ	100	252	EPg		1445	22.08	-0.06							1.0
RCY	SN	100	252	ESg		1445	34.55	0.73							1.0
HWQ	SZ	101	305	EPg		1445	23.15	0.99							1.0
HWQ	SN	101	305	ESg		1445	33.84	0.00							1.0
BHL	BZ	111	278	EPg		1445	23.68	-0.06							1.0
BHL	BN	111	278	ESg		1445	36.51	-0.08							1.0

September 11 2006 Hour: 15:49 48.3 Lat: 33.59N Lon: 35.99E Depth: 0 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.8 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	20	235	EPg		1549	50.68	-0.82	32						1.0
RCY	SN	20	235	ESg		1549	54.03	0.16							1.0
BHL	BZ	47	318	EPg		1549	54.69	-1.24							1.0
BHL	SN	47	318	ESg		1550	1.91	0.33							1.0
HWQ	SE	77	357	ESg		1550	10.65	0.77							1.0

September 12 2006 Hour: 11:13 21.1 Lat: 33.55N Lon: 36.54E Depth: 0 Agency: REL Local
Magnitudes: 2.9MC REL Rms: 0.2 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	67	264	EPg		1113	31.94	-0.01	46						1.0
RCY	SN	67	264	ESg		1113	39.83	-0.12							1.0
BHL	BZ	91	296	EPg		1113	36.08	0.35							1.0
BHL	BN	91	296	ESg		1113	46.49	-0.04							1.0
HWQ	SZ	97	326	EPg		1113	36.45	-0.34							1.0
HWQ	SE	97	326	ESg		1113	48.49	0.11							1.0

September 12 2006 Hour: 12:15 19.8 Lat: 34.71N Lon: 36.69E Depth: 21 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.2 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	83	235	EPg		1215	33.47	0.36	42						1.0
HWQ	SN	83	235	ESg		1215	42.73	-0.21							1.0
BHL	BZ	130	227	EPg		1215	39.91	-0.09							1.0
BHL	BN	130	227	ESg		1215	54.99	0.05							1.0

September 12 2006 Hour: 15:31 36.5 Lat: 34.69N Lon: 36.38E Depth: 0 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.4 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
FKH	SZ	51	178	EPg		1531	43.93	-0.76	40						1.0
FKH	SE	51	178	ESg		1531	51.22	0.49							1.0
HWQ	SZ	61	221	EPg		1531	46.78	0.44							1.0
HWQ	SE	61	221	ESg		1531	53.08	-0.52							1.0
BHL	BZ	110	218	EPg		1531	54.43	0.15							1.0
BHL	BN	110	218	ESg		1532	7.72	0.31							1.0

September 13 2006 Hour: 15:15 39.6 Lat: 33.58N Lon: 36.76E Depth: 60 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.7 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	88	264	EPg		1515	53.58	-0.93							1.0
RCY	SN	88	264	ESg		1516	6.12	0.57							1.0
HWQ	SZ	108	316	EPg		1515	57.33	0.60	41						1.0
HWQ	SN	108	316	ESg		1516	9.03	-0.39							1.0
BHL	BZ	109	290	EPg		1515	56.14	-0.64							1.0
BHL	BN	109	290	ESg		1516	9.93	0.42							1.0

September 14 2006 Hour: 2:27 43.2 Iran mb=5.0

Agency: REL Regional

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EPn		228	48.28								
HWQ	SZ			EPn		228	53.30								

September 14 2006 Hour: 10:17 58.7 Lat: 33.31N Lon: 36.15E Depth: 68 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.3 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	37	301	EPg		1018	9.35	-0.21	41						1.0
RCY	SE	37	301	ESg		1018	17.57	-0.02							1.0
BHL	BZ	80	325	EPg		1018	12.73	-0.50							1.0
BHL	BE	80	325	ESg		1018	24.12	0.16							1.0
HWQ	SZ	109	350	EPg		1018	16.56	0.30							1.0

September 14 2006 Hour: 10:26 60.0 Lat: 33.09N Lon: 35.93E Depth: 0 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.3 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	45	347	IPg		1027	7.13	-0.15	34						1.0
RCY	SN	45	347	ISg		1027	12.10	-0.57							1.0
BHL	BE	94	344	ESg		1027	26.79	0.40							1.0
HWQ	SE	132	1	ESg		1027	37.26	0.24							1.0

September 14 2006 Hour: 13:23 55.4 Lat: 34.73N Lon: 36.63E Depth: 14 Agency: REL Local
Magnitudes: 3.1MC REL Rms: 0.0 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	81	232	EPg		1324	8.37	0.06	63						1.0
HWQ	SN	81	232	ESg		1324	17.78	-0.07							1.0
BHL	BZ	129	225	EPg		1324	15.35	0.00							1.0
BHL	BE	129	225	ESg		1324	30.14	0.05							1.0

September 16 2006 Hour: 3:28 3.3 Lat: 33.48N Lon: 35.17E Depth: 0 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.7 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MATL	SZ	15	85	IPg		328	4.80	-0.93	40						1.0
RCY	SZ	61	89	EPg		328	12.42	-0.64							1.0
RCY	SE	61	89	ESg		328	20.03	-0.27							1.0
BHL	BZ	66	44	EPg		328	13.26	-0.58							1.0
BHL	SN	66	44	ESg		328	22.12	0.45							1.0
HWQ	SZ	114	39	EPg		328	22.77	1.03							1.0

September 16 2006 Hour: 9:54 18.3 Lat: 33.66N Lon: 35.56E Depth: 10 Agency: REL Local
Magnitudes: 2.9MC REL Rms: 0.5 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEYL	BZ	24	346	IPg		954	22.55	0.00							1.0
BEYL	BE	24	346	ISg		954	25.93	0.24							1.0
BHL	BZ	28	18	IPg		954	22.11	-1.15							1.0
BHL	BE	28	18	ISg		954	26.73	-0.19							1.0
MATL	SZ	29	228	IPg		954	23.56	0.35							1.0
RCY	SZ	31	129	IPg		954	23.35	-0.35	53						1.0
RCY	SE	31	129	ISg		954	27.98	0.29							1.0
HWQ	SZ	77	28	IPg		954	30.91	-0.01							1.0
HWQ	SE	77	28	ISg		954	41.07	0.82							1.0

September 16 2006 Hour: 9:58 13.3 Seram Indonesia Mw=6.3

Agency: REL Distant

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EP		958	45.51								

September 16 2006 Hour: 10:38 42.8 Lat: 35.42N Lon: 36.27E Depth: 14 Agency: REL Local
Magnitudes: 3.1MC REL Rms: 0.1 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	130	193	EPg		1039	2.89	-0.03	58						1.0
HWQ	SN	130	193	ESg		1039	17.73	-0.08							1.0
BHL	BZ	177	199	EPg		1039	9.91	0.04							1.0
BHL	BE	177	199	ESg		1039	29.87	-0.02							1.0

September 16 2006 Hour: 10:53 11.1 Lat: 33.14N Lon: 35.85E Depth: 0 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.8 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	39	356	EPg		1053	16.18	-1.15	34						1.0
RCY	SN	39	356	ESg		1053	21.00	-0.93							1.0
BHL	SZ	87	348	EPg		1053	26.68	1.56							1.0
BHL	SE	87	348	ESg		1053	35.69	0.20							1.0
HWQ	SZ	127	4	EPg		1053	31.76	0.21							1.0
HWQ	SE	127	4	ESg		1053	47.09	0.42							1.0

September 16 2006 Hour: 11:51 12.4 Lat: 34.67N Lon: 36.76E Depth: 14 Agency: REL Local
Magnitudes: 2.9MC REL Rms: 0.1 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	86	240	EPg		1151	26.09	-0.03	49						1.0
HWQ	SE	86	240	ESg		1151	36.14	-0.10							1.0
BHL	BZ	132	230	EPg		1151	33.06	0.16							1.0
BHL	BN	132	230	ESg		1151	48.11	0.08							1.0

September 16 2006 Hour: 13:51 34.1 Lat: 33.76N Lon: 35.71E Depth: 14 Agency: REL Local
Magnitudes: 3.1MC REL Rms: 0.8 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	17	341	IPg		1351	36.84	-0.87	66						1.0
BHL	BE	17	341	ISg		1351	40.27	-0.14							1.0
BEYL	BZ	24	301	IPg		1351	38.30	-0.23							1.0
BEYL	BN	24	301	ISg		1351	42.96	1.12							1.0
RCY	SZ	32	162	IPg		1351	39.32	-0.48							1.0
RCY	SE	32	162	ISg		1351	44.59	0.54							1.0
MATL	SZ	47	230	IPg		1351	40.99	-0.92							1.0
HWQ	SZ	61	20	IPg		1351	43.47	-0.79							1.0
HWQ	SE	61	20	ISg		1351	52.71	0.90							1.0

September 17 2006 Hour: 8:22 49.0 Lat: 31.83N Lon: 35.40E Depth: 0 Agency: REL Regional
Magnitudes: 4.2MC REL Rms: 0.4 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MATL	SZ	184	358	EP		823	17.51	-0.35							1.0
BEYL	BZ	226	2	EP		823	23.10	-0.05							1.0
BEYL	BN	226	2	ES		823	48.53	0.13							1.0
BHL	BZ	231	6	EP		823	23.84	0.02							1.0
BHL	BE	231	6	ES		823	50.28	0.70							1.0
HWQ	SZ	276	11	EP		823	29.54	0.11	251						1.0
HWQ	SN	276	11	ES		823	59.78	0.44							1.0

September 17 2006 Hour: 8:29 42.6 Lat: 33.11N Lon: 35.90E Depth: 0 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.5 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	43	350	EPg		829	49.13	-0.32	44						1.0
RCY	SE	43	350	ESg		829	53.99	-0.56							1.0
BHL	BZ	91	346	EPg		829	58.08	0.77							1.0
BHL	BE	91	346	ESg		830	8.57	0.35							1.0

September 17 2006 Hour: 10:16 0.0 Lat: 33.84N Lon: 36.55E Depth:116 Agency: REL Local
Magnitudes: 3.3MC REL Rms: 0.5 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	73	311	EPg		1016	18.17	0.18	79						1.0
HWQ	SN	73	311	ESg		1016	31.06	-0.23							1.0
RCY	SZ	78	240	EPg		1016	17.58	-0.78							1.0
RCY	SN	78	240	ESg		1016	32.58	0.64							1.0
BHL	BZ	83	275	EPg		1016	19.33	0.70							1.0
BHL	BE	83	275	ESg		1016	32.11	-0.29							1.0

September 17 2006 Hour: 10:45 21.0 Lat: 33.62N Lon: 36.44E Depth: 0 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.9 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	60	255	EPg		1045	29.70	-1.03	41						1.0
RCY	SN	60	255	ESg		1045	37.40	-0.50							1.0
BHL	BZ	80	293	EPg		1045	32.79	-1.08							1.0
BHL	BE	80	293	ESg		1045	43.58	0.22							1.0
HWQ	SZ	86	328	EPg		1045	35.95	1.04							1.0
HWQ	SN	86	328	ESg		1045	45.25	0.08							1.0

September 17 2006 Hour: 11: 8 5.0 Lat: 33.60N Lon: 36.52E Depth: 0 Agency: REL Local
Magnitudes: 2.9MC REL Rms: 0.8 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	67	259	EPg		11 8	15.54	-0.25	50						1.0
RCY	SE	67	259	ESg		11 8	23.04	-0.71							1.0
BHL	BZ	87	293	EPg		11 8	17.89	-1.22							1.0
BHL	BE	87	293	ESg		11 8	29.31	-0.20							1.0
HWQ	SZ	92	325	EPg		11 8	20.55	0.67							1.0
HWQ	SE	92	325	ESg		11 8	31.47	0.60							1.0

September 17 2006 Hour: 11:12 25.1 Lat: 33.56N Lon: 36.42E Depth: 34 Agency: REL Local
Magnitudes: 2.9MC REL Rms: 0.5 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	56	262	EPg		1112	34.46	-0.77	49						1.0
RCY	SN	56	262	ESg		1112	43.11	0.36							1.0
BHL	BZ	81	299	EPg		1112	37.89	-0.56							1.0
BHL	BE	81	299	ESg		1112	48.42	0.06							1.0
HWQ	SZ	91	331	EPg		1112	40.67	0.75							1.0
HWQ	SE	91	331	ESg		1112	50.72	-0.19							1.0

September 18 2006 Hour: 10:11 17.6 Lat: 33.59N Lon: 36.63E Depth: 0 Agency: REL Local
Magnitudes: 3.0MC REL Rms: 0.9 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
FKH	SZ	74	344	EPg		1011	28.52	-1.00	54						1.0
FKH	SN	74	344	ESg		1011	40.15	1.78							1.0
RCY	SZ	76	261	EPg		1011	29.39	-0.40							1.0
RCY	SN	76	261	ESg		1011	37.85	-1.00							1.0
BHL	BZ	96	291	EPg		1011	32.71	-0.39							1.0
BHL	BE	96	291	ESg		1011	44.38	-0.22							1.0
HWQ	SZ	99	321	EPg		1011	32.71	-0.74							1.0
HWQ	SN	99	321	ESg		1011	45.12	-0.09							1.0

September 18 2006 Hour: 11: 2 51.6 Lat: 33.57N Lon: 36.60E Depth: 0 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.8 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	73	263	EPg		11 3	3.42	0.04	45						1.0
RCY	SE	73	263	ESg		11 3	11.19	-0.87							1.0
BHL	BZ	95	293	EPg		11 3	6.15	-0.79							1.0
BHL	BN	95	293	ESg		11 3	17.84	-0.42							1.0
HWQ	SZ	99	323	EPg		11 3	6.81	-0.79							1.0
HWQ	SE	99	323	ESg		11 3	20.81	1.40							1.0

September 18 2006 Hour: 15:23 11.8 Lat: 34.50N Lon: 36.05E Depth: 0 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.5 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	26	201	EPg		1523	15.24	-0.80	42						1.0
HWQ	SN	26	201	ESg		1523	18.54	-0.65							1.0
BHL	BZ	75	209	EPg		1523	24.18	0.23							1.0
BHL	BE	75	209	ESg		1523	32.77	-0.18							1.0
BEYL	BZ	86	216	EPg		1523	26.62	0.89							1.0
BEYL	BN	86	216	ESg		1523	35.95	-0.09							1.0
RCY	SZ	115	191	EPg		1523	29.87	-0.41							1.0
RCY	SN	115	191	ESg		1523	44.57	0.61							1.0

September 18 2006 Hour: 15:40 17.1 Lat: 34.57N Lon: 36.07E Depth: 0 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.6 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	34	200	EPg		1540	22.19	-0.47	41						1.0
HWQ	SE	34	200	ESg		1540	25.61	-1.14							1.0
BHL	BZ	83	208	EPg		1540	30.74	0.19							1.0
BHL	BN	83	208	ESg		1540	40.94	0.47							1.0

September 18 2006 Hour: 17:32 19.8 Lat: 34.28N Lon: 36.45E Depth: 28 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.0 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
FKH	SZ	7	222	EPg		1732	24.42	0.03	33						1.0
FKH	SN	7	222	ESg		1732	27.81	-0.02							1.0
HWQ	SZ	47	270	EPg		1732	28.20	-0.03							1.0
HWQ	SN	47	270	ESg		1732	34.51	0.02							1.0
BHL	BZ	85	241	EPg		1732	33.48	0.00							1.0

September 19 2006 Hour: 0:29 7.4 Lat: 35.17N Lon: 35.72E Depth: 6 Agency: REL Regional
Magnitudes: 3.7MC REL Rms: 0.8 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	102	168	EP		029	23.90	0.08	139						1.0
HWQ	SN	102	168	ES		029	36.65	0.67							1.0
BHL	BZ	141	182	EP		029	29.42	-0.18							1.0
BHL	BN	141	182	ES		029	46.72	0.69							1.0
BEYL	BZ	146	188	EP		029	29.14	-1.12							1.0
BEYL	BE	146	188	ES		029	46.92	-0.26							1.0
RCY	SZ	188	177	EP		029	36.46	0.28							1.0
MATL	SZ	190	191	EP		029	34.79	-1.58							1.0

September 19 2006 Hour: 11:23 34.6 Lat: 34.43N Lon: 36.79E Depth: 0 Agency: REL Local
Magnitudes: 3.0MC REL Rms: 0.7 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
FKH	SZ	42	239	EPg		1123	39.92	-1.46	59						1.0
FKH	SE	42	239	ESg		1123	45.92	-0.49							1.0
HWQ	SZ	80	258	EPg		1123	47.56	0.10							1.0
HWQ	SE	80	258	ESg		1123	56.87	-0.12							1.0
BHL	BZ	120	241	EPg		1123	55.08	1.10							1.0
BHL	BE	120	241	ESg		1124	9.01	0.68							1.0

September 19 2006 Hour: 13:18 46.9 Lat: 34.46N Lon: 36.31E Depth: 0 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.3 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
FKH	SZ	26	160	EPg		1318	51.05	-0.01	35						1.0
FKH	SE	26	160	ESg		1318	54.07	-0.08							1.0
HWQ	SZ	39	239	EPg		1318	52.71	-0.40							1.0
HWQ	SN	39	239	ESg		1318	57.67	-0.05							1.0
BHL	BZ	86	225	EPg		1319	1.26	0.54							1.0

September 19 2006 Hour: 13:45 42.9 Tonga Mw=5.7

Agency: REL Distant

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEYL	BZ			EP		1349	47.79								
RCY	SZ			EP		1349	49.39								
BHL	BZ			EP		1349	49.58								

September 19 2006 Hour: 13:57 28.5 Java Indonesia Mw=5.9

Agency: REL Distant

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
FKH	SZ			EP		1411	8.41								
RCY	SZ			EP		1411	9.66								
BHL	BZ			EP		1411	11.00								
BEYL	BZ			EP		1411	9.74								

September 20 2006 Hour: 10:2 52.0 Lat: 33.61N Lon: 36.59E Depth: 0 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.4 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	73	259	EPg		10 3	3.55-0.17		41						1.0
RCY	SN	73	259	ESg		10 3	11.68-0.72								1.0
BHL	BZ	92	291	EPg		10 3	6.68-0.20								1.0
BHL	BE	92	291	ESg		10 3	18.46 0.56								1.0
HWQ	SZ	95	321	EPg		10 3	7.34 0.08								1.0
HWQ	SN	95	321	ESg		10 3	18.42-0.15								1.0

September 20 2006 Hour: 10:20 48.7 Lat: 33.57N Lon: 36.54E Depth: 0 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.5 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	67	262	EPg		1020	59.27-0.23		37						1.0
RCY	SN	67	262	ESg		1021	7.19-0.34								1.0
BHL	BZ	90	295	EPg		1021	2.23-0.91								1.0
BHL	BE	90	295	ESg		1021	13.74-0.12								1.0
HWQ	SZ	96	325	EPg		1021	4.58 0.48								1.0
HWQ	SN	96	325	ESg		1021	15.92 0.39								1.0

September 20 2006 Hour: 12:59 1.3 Lat: 33.72N Lon: 35.63E Depth: 0 Agency: REL Local
Magnitudes: 2.4MC REL Rms: 0.6 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	20	8	IPg		1259	3.93-0.66		25						1.0
BHL	BE	20	8	ISg		1259	7.20 0.19								1.0
RCY	SZ	32	146	EPg		1259	6.38-0.10								1.0
HWQ	SZ	68	26	EPg		1259	13.41 1.07								1.0
HWQ	SE	68	26	ESg		1259	20.01-0.48								1.0

September 21 2006 Hour: 0:57 45.6 Lat: 32.00N Lon: 35.45E Depth: 0 Agency: REL Regional
Magnitudes: 3.5MC REL Rms: 0.5 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MATL	SZ	166	356	EP		058	11.21-0.65								1.0
RCY	SZ	169	12	EP		058	11.79-0.55								1.0
RCY	SN	169	12	ES		058	32.38 0.23								1.0
BEYL	BZ	208	1	EP		058	17.89 0.42								1.0
BEYL	BE	208	1	ES		058	41.72 0.64								1.0
BHL	BZ	213	5	EP		058	18.30 0.18		90						1.0
BHL	BN	213	5	ES		058	41.80-0.40								1.0
HWQ	SZ	257	10	EP		058	24.39 0.69								1.0
HWQ	SE	257	10	ES		058	51.72-0.19								1.0

September 21 2006 Hour: 3:16 10.7 Lat: 33.74N Lon: 35.91E Depth: 0 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 1.1 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	30	196	IPg		316	14.58-0.91								1.0
RCY	SN	30	196	ISg		316	18.97-0.06								1.0
BHL	BZ	30	308	IPg		316	14.58-0.92		37						1.0
BHL	BE	30	308	ISg		316	19.23 0.18								1.0
HWQ	SZ	60	3	IPg		316	18.70-1.65								1.0

HWQ SN 60 3 ISg 316 29.35 1.88 1.0

September 21 2006 Hour: 10:21 3.5 Lat: 33.61N Lon: 36.44E Depth: 0 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.6 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	59	257	EPg		1021	13.21	0.07	38						1.0
RCY	SE	59	257	ESg		1021	19.39	-0.85							1.0
BHL	BZ	80	294	EPg		1021	15.77	-0.65							1.0
BHL	BE	80	294	ESg		1021	26.08	0.13							1.0
HWQ	SZ	87	328	EPg		1021	17.41	-0.16							1.0
HWQ	SE	87	328	ESg		1021	28.51	0.56							1.0

September 21 2006 Hour: 10:23 6.0 Lat: 33.73N Lon: 35.93E Depth: 46 Agency: REL Local
Magnitudes: 2.5MC REL Rms: 0.1 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	29	201	EPg		1023	13.97	-0.19	27						1.0
RCY	SE	29	201	ESg		1023	20.31	0.11							1.0
BHL	BZ	32	308	EPg		1023	14.44	0.06							1.0
BHL	BE	32	308	ESg		1023	20.55	-0.03							1.0
HWQ	SZ	61	1	EPg		1023	17.36	0.14							1.0
HWQ	SE	61	1	ESg		1023	25.45	-0.08							1.0

September 21 2006 Hour: 21:7 53.6 Lat: 32.01N Lon: 35.41E Depth: 0 Agency: REL Regional
Magnitudes: 3.5MC REL Rms: 0.4 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MATL	SZ	164	357	EP		21 8	19.51	-0.12							1.0
RCY	SZ	168	13	EP		21 8	19.66	-0.63	107						1.0
RCY	SE	168	13	ES		21 8	40.03	0.02							1.0
BEYL	BZ	207	2	EP		21 8	25.39	0.05							1.0
BHL	BZ	211	6	EP		21 8	26.01	-0.01							1.0
BHL	BE	211	6	ES		21 8	50.07	0.09							1.0
HWQ	SZ	256	11	EP		21 8	32.57	0.92							1.0
HWQ	SE	256	11	ES		21 8	59.96	0.18							1.0

September 22 2006 Hour: 12:15 43.1 Lat: 34.56N Lon: 36.35E Depth: 0 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 1.0 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
FKH	SZ	37	173	EPg		1215	48.71	-0.29	38						1.0
FKH	SE	37	173	ESg		1215	52.33	-1.04							1.0
HWQ	SZ	49	230	EPg		1215	51.05	0.04							1.0
HWQ	SN	49	230	ESg		1215	55.45	-1.41							1.0
BHL	SZ	97	222	EPg		1215	58.81	-0.01							1.0
BHL	SN	97	222	ESg		1216	10.50	0.05							1.0

September 23 2006 Hour: 7:48 55.2 Lat: 34.21N Lon: 36.89E Depth: 28 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.8 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
FKH	SZ	45	274	EPg		749	4.90	1.33	40						1.0
FKH	SN	45	274	ESg		749	8.42	-1.31							1.0
HWQ	SZ	88	275	EPg		749	9.40	0.02							1.0
HWQ	SN	88	275	ESg		749	19.97	0.13							1.0
BHL	SE	119	254	ESg		749	28.32	0.53							1.0

September 23 2006 Hour: 11:51 12.4 Lat: 33.82N Lon: 36.27E Depth:132 Agency: REL Local
Magnitudes: 2.9MC REL Rms: 0.0 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	SZ	58	280	EPg		1151	31.09	-0.03							1.0
BHL	SN	58	280	ESg		1151	44.96	0.02							1.0
HWQ	SZ	59	330	EPg		1151	31.29	0.08	43						1.0
HWQ	SN	59	330	ESg		1151	45.05	-0.05							1.0

September 23 2006 Hour: 17: 1 1.2 Lat: 33.97N Lon: 36.66E Depth: 17 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.2 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
FKH	SZ	38	322	EPg		17 1	7.68	-0.21	37						1.0
FKH	SN	38	322	ESg		17 1	12.99	0.12							1.0
HWQ	SZ	74	298	EPg		17 1	13.32	0.21							1.0
HWQ	SE	74	298	ESg		17 1	21.81	-0.12							1.0
BHL	SZ	93	266	EPg		17 1	15.85	0.00							1.0

September 24 2006 Hour: 12:12 43.9 Lat: 33.53N Lon: 36.51E Depth: 12 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.4 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	64	266	EPg		1212	54.61	0.16	36						1.0
RCY	SE	64	266	ESg		1213	2.19	-0.09							1.0
BHL	SZ	89	298	EPg		1212	57.73	-0.72							1.0
BHL	SE	89	298	ESg		1213	9.66	0.41							1.0
HWQ	SZ	98	328	EPg		1213	0.39	0.56							1.0
HWQ	SE	98	328	ESg		1213	11.34	-0.32							1.0

September 24 2006 Hour: 12:51 57.9 Lat: 34.72N Lon: 36.22E Depth: 0 Agency: REL Local
Magnitudes: 2.9MC REL Rms: 0.3 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	55	207	EPg		1252	6.67	-0.12	47						1.0
HWQ	SN	55	207	ESg		1252	12.89	-0.49							1.0
BHL	BZ	105	210	EPg		1252	14.85	0.12							1.0
BHL	BE	105	210	ESg		1252	27.57	0.36							1.0

September 24 2006 Hour: 13: 0 9.9 Lat: 34.61N Lon: 36.74E Depth: 15 Agency: REL Local
Magnitudes: 3.0MC REL Rms: 0.4 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	82	244	EPg		13 0	23.38	0.42	59						1.0
HWQ	SN	82	244	ESg		13 0	32.12	-0.47							1.0
BHL	BZ	127	232	EPg		13 0	29.44	-0.17							1.0
BHL	BN	127	232	ESg		13 0	44.59	0.44							1.0

September 24 2006 Hour: 19:45 49.8 Agency: REL Local

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
FKH	SZ			IPg		1946	17.84								
HWQ	SZ			EPg		1946	21.58								
HWQ	SN			ESg		1946	25.77								

September 24 2006 Hour: 23: 4 13.2 Mozambique Mw=5.6 Agency: REL Distant

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EP		23 5	30.25								

September 25 2006 Hour: 4:17 9.9 Lat: 33.43N Lon: 35.14E Depth: 0 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.5 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MATL	SZ	19	71	IPg		417	11.87	-1.03	33						1.0
BHL	SZ	71	42	EPg		417	21.38	0.08							1.0
BHL	SE	71	42	ESg		417	29.60	-0.13							1.0
HWQ	SZ	120	38	EPg		417	29.17	-0.04							1.0
HWQ	SE	120	38	ESg		417	44.05	0.56							1.0

September 25 2006 Hour: 11:17 25.2 Lat: 32.81N Lon: 36.58E Depth: 34 Agency: REL Local
Magnitudes: 2.9MC REL Rms: 0.1 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	103	317	EPg		1117	40.92	-0.18	45						1.0
RCY	SN	103	317	ESg		1117	52.73	-0.15							1.0
BHL	BZ	148	325	EPg		1117	46.78	0.05							1.0
BHL	BE	148	325	ESg		1118	2.66	-0.02							1.0
HWQ	SZ	173	340	EPg		1117	49.97	0.21							1.0

September 25 2006 Hour: 11:22 22.5 Lat: 33.57N Lon: 36.53E Depth: 0 Agency: REL Local
Magnitudes: 2.6MC REL Rms: 0.7 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	67	262	EPg		1122	33.41	0.15	33						1.0
RCY	SN	67	262	ESg		1122	40.66	-0.59							1.0
BHL	BZ	90	295	EPg		1122	35.66	-1.26							1.0
BHL	BE	90	295	ESg		1122	47.22	-0.39							1.0
HWQ	SZ	96	326	EPg		1122	37.97	0.06							1.0
HWQ	SN	96	326	ESg		1122	50.35	1.01							1.0

September 25 2006 Hour: 12:34 50.1 Lat: 33.64N Lon: 36.90E Depth: 28 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.0 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	102	260	EPg		1235	6.33	0.01	38						1.0
RCY	SN	102	260	ESg		1235	18.30	0.01							1.0
HWQ	SZ	113	309	EPg		1235	7.92	0.02							1.0
BHL	SZ	119	285	EPg		1235	8.72	-0.04							1.0

September 26 2006 Hour: 5:29 6.8 Lat: 33.58N Lon: 34.57E Depth: 18 Agency: REL Local
Magnitudes: 3.5MC REL Rms: 0.5 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MATL	SZ	71	98	EP		529	19.07	0.84							1.0
BHL	BZ	107	70	EP		529	23.40	-0.12							1.0
BHL	BN	107	70	ES		529	36.49	0.61							1.0
RCY	SZ	116	95	EP		529	25.06	0.10							1.0
RCY	SE	116	95	ES		529	38.77	0.39							1.0
HWQ	SZ	149	58	EP		529	29.37	-0.36	108						1.0
HWQ	SE	149	58	ES		529	45.95	-0.72							1.0
FKH	SZ	184	66	EP		529	34.47	0.35							1.0
FKH	SE	184	66	ES		529	54.13	-0.18							1.0

September 26 2006 Hour: 8:15 1.2 Agency: REL Regional

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	SZ			EPn		815	14.31								
FKH	SZ			EPn		815	11.63								
HWQ	SZ			EPn		815	9.27								

September 26 2006 Hour: 8:12 46.2 Agency: REL Regional

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ			EPn		816	33.58								
FKH	SZ			EPn		816	35.86								
BHL	SZ			EPn		816	36.92								

September 26 2006 Hour: 11:13 14.9 Lat: 34.57N Lon: 36.11E Depth: 0 Agency: REL Local
Magnitudes: 3.1MC REL Rms: 0.3 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	36	205	IPg		1113	20.02	-0.67							1.0
FKH	SZ	46	144	IPg		1113	22.44	0.15	65						1.0
FKH	SE	46	144	ISg		1113	27.79	0.01							1.0
BHL	BZ	85	210	IPg		1113	29.01	0.38							1.0
BHL	BN	85	210	ISg		1113	39.13	0.31							1.0
RCY	SZ	124	193	IPg		1113	34.86	0.03							1.0
RCY	SE	124	193	ISg		1113	49.39	-0.21							1.0

September 26 2006 Hour: 11:54 15.3 Lat: 34.97N Lon: 36.31E Depth: 0 Agency: REL Local
Magnitudes: 3.2MC REL Rms: 0.6 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ	84	204	EPg		1154	27.98	-0.87	75						1.0
HWQ	SN	84	204	ESg		1154	38.67	-0.17							1.0
BHL	BZ	133	207	EPg		1154	37.73	0.97							1.0
BHL	BN	133	207	ESg		1154	52.57	-0.03							1.0
RCY	SZ	171	196	EPg		1154	43.49	0.60							1.0
RCY	SN	171	196	ESg		1155	3.49	0.21							1.0

September 28 2006 Hour: 1:44 1.1 Kuril Islands Mw=5.8 Agency: REL Distant

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EP		149	9.98								
BEYL	BZ			EP		149	11.02								
RCY	SZ			EP		149	11.96								

September 28 2006 Hour: 6:23 13.3 Samoa Islands Mw=6.9 Agency: REL Distant

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
FKH	SZ			EP		641	50.95								
RCY	SZ			EP		641	52.68								
BHL	BZ			EP		641	52.58								
BEYL	BZ			EP		641	53.61								

September 28 2006 Hour: 8:7 24.8 Kermadec Islands mb=5.3 Agency: REL Distant

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
FKH	SZ			EP		827	19.66								
RCY	SZ			EP		827	20.50								
BHL	BZ			EP		827	20.64								
BEYL	BZ			EP		827	20.48								

**September 28 2006 Hour: 12:19 49.5 Lat: 33.65N Lon: 36.58E Depth: 0 Agency: REL Local
Magnitudes: 2.8MC REL Rms: 0.9 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	73	256	EPg		1220	0.49-0.72		40						1.0
RCY	SN	73	256	ESg		1220	8.76-1.15								1.0
BHL	BZ	90	289	EPg		1220	3.53-0.52								1.0
BHL	BN	90	289	ESg		1220	14.59-0.24								1.0
HWQ	SN	91	320	ESg		1220	15.97 0.85								1.0

**September 28 2006 Hour: 13:30 59.8 Lat: 34.64N Lon: 36.81E Depth: 2 Agency: REL Local
Magnitudes: 2.9MC REL Rms: 1.1 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
FKH	SZ	59	220	EPg		1331	8.11-1.20		51						1.0
FKH	SN	59	220	ESg		1331	14.37-1.98								1.0
HWQ	SZ	89	243	EPg		1331	15.19 1.00								1.0
HWQ	SN	89	243	ESg		1331	24.65-0.20								1.0
BHL	SZ	134	233	EPg		1331	22.87 1.39								1.0
BHL	SN	134	233	ESg		1331	38.36 0.82								1.0

September 28 2006 Hour: 23:55 7.0 Eastern Med ML=3.2 Agency: REL Regional

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EPn		24	2 26.07								
HWQ	SZ			EPn		24	2 27.10								
RCY	SZ			EPn		24	2 28.31								

September 29 2006 Hour: 0:48 35.0 Fiji Islands mb=5.0 Agency: REL Distant

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EP		1	2 44.22								
RCY	SZ			EP		1	2 44.66								
BEYL	BZ			EP		1	2 44.67								

September 29 2006 Hour: 9:29 0.9 Turkey ML=3.9 Agency: REL Regional

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ			EPn		931	27.93								
HWQ	SZ			EPn		931	21.12								
BHL	BZ			EPn		931	20.76								

September 29 2006 Hour: 9:38 23.0 Turkey ML=4.0

Agency: REL Regional

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SZ			EPn		943	9.36								
BHL	BZ			EPn		943	11.01								
RCY	SZ			EPn		943	16.25								

September 30 2006 Hour: 11:39 34.5 Lat: 33.62N Lon: 36.58E Depth: 0 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 0.3 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	73	258	EPg		1139	45.75	-0.47	37						1.0
RCY	SN	73	258	ESg		1139	54.43	-0.47							1.0
BHL	BZ	92	290	EPg		1139	49.36	0.07							1.0
BHL	BE	92	290	ESg		1140	0.47	0.24							1.0

September 30 2006 Hour: 11:46 16.3 Lat: 33.84N Lon: 36.88E Depth: 0 Agency: REL Local
Magnitudes: 2.9MC REL Rms: 0.8 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HWQ	SN	99	300	ESg		1146	44.42	0.47							1.0
RCY	SZ	106	248	EPg		1146	32.68	-0.69	49						1.0
RCY	SE	106	248	ESg		1146	44.86	-1.16							1.0
BHL	BZ	113	274	EPg		1146	34.81	0.24							1.0
BHL	BN	113	274	ESg		1146	47.74	-0.37							1.0

September 30 2006 Hour: 12:13 9.9 Lat: 33.56N Lon: 36.53E Depth: 0 Agency: REL Local
Magnitudes: 2.7MC REL Rms: 1.1 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
RCY	SZ	67	263	EPg		1213	19.79	-0.88	35						1.0
RCY	SN	67	263	ESg		1213	28.01	-0.66							1.0
BHL	BZ	90	295	EPg		1213	23.05	-1.31							1.0
BHL	BE	90	295	ESg		1213	34.43	-0.66							1.0
HWQ	SZ	96	326	EPg		1213	26.18	0.81							1.0
HWQ	SE	96	326	ESg		1213	37.90	1.05							1.0

September 30 2006 Hour: 14:17 36.6 Lat: 33.76N Lon: 35.73E Depth: 0 Agency: REL Local
Magnitudes: 2.5MC REL Rms: 0.8 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ	18	336	IPg		1417	38.41	-0.97	28						1.0
BHL	BE	18	336	ISg		1417	41.84	0.37							1.0
RCY	SZ	32	165	IPg		1417	40.83	-0.84							1.0
RCY	SN	32	165	ISg		1417	45.55	0.11							1.0
HWQ	SZ	61	19	EPg		1417	47.68	1.31							1.0
HWQ	SE	61	19	ESg		1417	53.04	-0.58							1.0

September 30 2006 Hour: 17:52 55.0 Kuril Islands Mw=6.6

Agency: REL Distant

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHL	BZ			EP		18	2	44.26							
BEYL	BZ			EP		18	2	44.78							
RCY	SZ			EP		18	2	46.39							

Epicentral Map of Lebanon

September 2006

Magnitudes

- Ml = 2
- Ml = 3
- Ml = 4
- Ml = 5
- ★ Felt

