

Annex 3

A3 Available seismic data at the investigated stations

Table A3-1	Cariaco, Venezuela, earthquake of July 9, 1997
Table A3-2	Adana, Türkiye, earthquake of June 27, 1998
Table A3-3	İzmit and Düzce, Türkiye, earthquakes of August 17, and November 12, 1999
Table A3-4	Sultandağı, Türkiye, earthquake of February 3, 2002
Table A3-5	Bingöl, Türkiye, earthquake of May 1, 2003

Table A3-1		1997 Cariaco, Venezuela, earthquake: Available seismic data at the investigated stations				
<i>Station</i>	<i>Index</i>	<i>Latitude [N]</i>	<i>Longitude [W]</i>	<i>main- shock</i>	<i>after- shocks</i>	<i>micro- tremors</i>
Agua Caliente SM-GTFE	AGS	10.4878°	63.4836°	○	●	●
Camoma (Querémene) SM-GTFE	CAT	10.5075°	63.5853°	○	●	●
Campoma	CAM-1	10.5056°	63.6130°	○	○	●
Campoma West	CAM-2	10.5077°	63.6114°	○	○	●
Cariaco R. Martinez School	CAR-1	10.4928°	63.5499°	○	○	●
Cariaco V. Valiente School	CAR-2	10.4950°	63.5498°	○	○	●
Cariaco Defensa Civil SM-GTFE	CAR-3	10.4976°	63.5512°	○	●	●
Cariaco Plaza (Church)	CAR-4	10.4958°	63.5561°	○	○	●
Cariaco La Cruz	CAR-5	10.4912°	63.5516°	○	○	●
Cariaco Hospital	CAR-6	10.4984°	63.5608°	○	○	●
Carizal de la Cruz	CRU	10.4919°	63.5151°	○	○	●
Carupano G. National SM-GTFE	CGN	10.6731°	63.2424°	○	●	●
Casanay Plaza SM-GTFE	CAP	10.5001°	63.4180°	○	●	●
Casanay West	CAS-1	10.5025°	63.4132°	○	○	●
Casanay East	CAS-2	10.5039°	63.4221°	○	○	●
Casanay Nord	CAS-3	10.5062°	63.4174°	○	○	●
Cerezal	CER	10.4830°	63.5809°	○	○	●
Chamariapa Afuera	AFU	10.5450°	63.5314°	○	○	●
Chiguana SM-GTFE	CHG-1	10.4915°	63.6788°	○	●	○
Chiguana Plaza	CHG-2	10.4890°	63.6765°	○	○	●
Chiguana East	CHG-3	10.4930°	63.6758°	○	○	●
Chiguana South	CHG-4	10.4881°	63.6781°	○	○	●
Cumaná Avenida Perimetral	AVE	10.4526°	64.1846°	○	○	●
Cumaná Miramar	MIR	10.4639°	64.1860°	○	○	●
Cumaná Miramar Vicinity	VIC	10.4624°	64.1860°	○	○	●
Cumaná Hospital SM-GTFE	HOS	10.4698°	64.1609°	○	●	●
Cumaná Corporiente SM-FV	COP	10.4663°	64.1650°	○	○	●
Cumaná Univ. de Oriente SM-FV	UDO	10.4379°	64.1937°	●	○	●
Cumaná Toyota SM-GTFE	TOY	10.4577°	64.1353°	○	●	●
Cumaná Airport	AIR	10.4522°	64.1338°	○	○	●
El Cordon SM-GTFE	COR	10.4748°	63.5545°	○	●	●
El Puente	ELP	10.4857°	63.4427°	○	○	●
Guacarapo	GUA	10.4944°	63.7377°	○	○	●
Guarapiche SM-GTFE	GPS	10.5118°	63.3906°	○	●	●
Los Cachicatos	LOS	10.5521°	63.8296°	○	○	●
Los Silos de Cariaco	SIL	10.4879°	63.5434°	○	○	●
Mariguitar Centro	MAR	10.4498°	63.9007°	○	○	●
Mariguitar Hotel Maigualida	MAG	10.4493°	63.9127°	○	○	●
Palosanal	PAL	10.5258°	63.5448°	○	○	●
Pantono-1	PAN-1	10.4986°	63.4536°	○	○	●
Pantono-2	PAN-2	10.5080°	63.4539°	○	○	●
Parcelamiento Pantono	PRP	10.5211°	63.5824°	○	○	●
Parcelamiento Bohordal	PRB	10.4941°	63.5827°	○	○	●
Parcelamiento Las Manoas	PLM	10.4975°	63.5366°	○	○	●
Puerto Nuevo	NUV	10.4953°	63.7147°	○	○	●
Rio Casanay West	RIO	10.5141°	63.3405°	○	○	●
Sabaneta	SAB	10.4830°	63.5632°	○	○	●
San José de Areocuar SM-GTFE	SJA	10.5981°	63.3286°	○	●	●
San Antonio del Golfo SM-GTFE	GOL	10.4469°	63.7815°	○	●	●
Villa Caldera	CAD	10.4946°	63.4981°	○	○	●
Villa Frontado (Muelle de Cariaco)	VIL	10.4738°	63.6684°	○	○	●

Table A3-2		1998 Adana, Türkiye, earthquake: Available seismic data at the investigated stations				
<i>Station</i>	<i>Index</i>	<i>Latitude [N]</i>	<i>Longitude [E]</i>	<i>main- shock</i>	<i>after- shocks</i>	<i>micro- tremors</i>
Abdioğlu SM-GTFE	ABD	36.9077°	35.5672°	○	●	●
Çakalkuyusu SM-GTFE	CAK	37.0435°	35.2264°	○	●	●
Ceyhan (Adana) SM-AFET	CYH	37.0239°	35.8099°	●	○	●
Cotlu SM-GTFE	COT	36.8723°	35.4754°	○	●	●
Geçitli SM-GTFE	GEL	36.9560°	35.6270°	○	●	●
Hakkibeyli SM-GTFE	HAK	37.1697°	35.5694°	○	●	●
Kizilkaş SM-GTFE	KIZ	37.1051°	35.4640°	○	●	○
Sagkaya SM-GTFE	SAG	37.1781°	35.6891°	○	●	●
Sarihuğlar SM-GTFE	SAR	37.0163°	35.2263°	○	●	●
Yerdelen SM-GTFE	YER	36.8383°	35.2384°	○	●	●

Table A3-3		1999 İzmit and Düzce, Türkiye, earthquakes: Available seismic data at the investigated stations					
<i>Station</i>	<i>Index</i>	<i>Latitude [N]</i>	<i>Longitude [E]</i>	<i>İzmit main- shock</i>	<i>Düzce main- shock</i>	<i>after- shocks</i>	<i>micro- tremors</i>
Adapazarı 1 SM-GTFE	ADA	40.7369°	30.3801°	●	●	●	●
Adapazarı 2 SM-GTFE	APA	40.7191°	30.3889°	○	○	●	●
Adapazarı 3 SM-GTFE	AZA	40.7563°	30.39025°	○	○	●	●
(Adapazarı City 1)	ACY-1	40.7765°	30.4004°	○	○	○	●
Adapazarı City 2	ACY-2	40.7782°	30.4059°	○	○	○	●
(Adapazarı City 3)	ACY-3	40.7758°	30.4063°	○	○	○	●
Akyazi SM-GTFE	AKY	40.6703°	30.6228°	○	○	●	●
Bolu SM-AFET	BOL	40.7460°	31.6074°	○	●	○	●
Çaybaşı SM-GTFE	CAY	40.6897°	30.4445°	○	○	●	●
Düzce (Meteorol.) SM-GTFE ¹⁾	DUZ	40.8431°	31.1483°	●	●	●	●
Düzce School ²⁾	SCH	40.8409°	31.1520°	○	○	●	●
Düzce West ²⁾	DUW	40.8394°	31.1464°	○	○	●	●
Düzce College ²⁾	COL	40.8346°	31.1693°	○	○	●	●
Düzce River	RIV	40.8329°	31.1677°	○	○	○	●
Düzce I (RC structure)	DUZ-1	40.8430°	31.1751°	○	○	○	●
Düzce II (RC structure)	DUZ-2	40.8475°	31.1375°	○	○	○	●
Gebze SM-GTFE	GEB	40.7820°	29.4160°	○	○	●	○
Gebze Tubitak SM-AFET	GBZ	40.7863°	29.4455°	●	○	○	●
Gölcük City	GCK	40.7191°	29.8252°	○	○	○	●
Gölcük (6-storied RC frames)	GOE	40.7117°	29.8419°	○	○	○	●
Gölyaka SM-GTFE	GOY	40.7790°	31.0029°	○	○	●	●
Gölyaka 3 (West)	GOW	40.7774°	30.9942°	○	○	○	●
Gölyaka 4 (Nord)	GON	40.7950°	31.0020°	○	○	○	●
Hendek SM-GTFE	HEN	40.7955°	30.7355°	○	○	●	●
Hersek	HER	40.7232°	29.5039°	○	○	○	●
İzmit RC Shearwalls	IZP	40.7634°	29.9784°	○	○	○	●
İzmit RC Frames	IZR	40.7422°	30.0482°	○	○	○	●
İzmit (Containment)	IZB	40.7564°	30.0334°	○	○	○	●
İzmit I (RC structure)	IZT-1	40.7443°	30.0454°	○	○	○	●
İzmit II (RC structures)	IZT-2	40.7409°	30.0417°	○	○	○	●
İzmit SM-AFET	IZT	40.7668°	29.9171°	●	●	○	●
Karamürsel (Eregli) SM-GTFE	KAR	40.7011°	29.6725°	○	○	●	●
Karamürsel (Eregli) (East)	KAM	40.7011°	29.6743°	○	○	○	●
Karapürçek	KPC	40.6625°	30.5867°	○	○	○	●
Kazimiye	KAZ	40.7891°	30.7020°	○	○	○	●
Kizilcikormanköyü	KZL	40.7550°	30.5965°	○	○	○	●
Nalbantoğlu	NAL	40.8556°	31.2235°	○	○	○	●
Pakmaya İzmit	PAK	40.7515°	29.9951°	○	○	○	●
Sallar	SAL	40.8496°	31.2398°	○	○	○	●
Sapanca SM-GTFE	SAP	40.6891°	30.2569°	○	○	●	●
Sapanca I (RC structure)	SAC	40.6875°	30.2447°	○	○	○	●
Seymen (Bahçeçik) SM-GTFE	SEY	40.7098°	29.9065°	○	○	●	●
Seymen I (RC structure)	SER	40.7120°	29.9020°	○	○	○	●
Yalova (Çiftlikköy) SM-GTFE	YAL	40.6607°	29.3243°	○	○	●	●
Yalova (East)	YAR	40.6638°	29.3284°	○	○	○	●
Yalova SM-AFET	YLV	40.6587°	29.2797°	○	○	○	●
Yarımca SM-KOERI	YPT	40.7555°	29.7645°	●	○	○	○

¹⁾ aftershock observation at this site after both 1999 earthquakes

²⁾ aftershock observation at this site only after the 1999 Düzce earthquake

Table A3-4		2002 Sultandağı, Türkiye, earthquake: Available seismic data at the investigated stations				
<i>Station</i>	<i>Index</i>	<i>Latitude [N]</i>	<i>Longitude [E]</i>	<i>main- shock</i>	<i>after- shocks</i>	<i>micro- tremors</i>
Afyon SM-AFET	AFY	38.792°	30.561°	●	●	○
Sultandağı SM-GTFE	SUL	38.534°	31.224°	○	●	●

Table A3-5		2003 Bingöl, Türkiye, earthquake: Available seismic data at the investigated stations				
<i>Station</i>	<i>Index</i>	<i>Latitude [N]</i>	<i>Longitude [E]</i>	<i>main- shock</i>	<i>after- shocks</i>	<i>micro- tremors</i>
Bingöl SM-AFET	BNG	38.792°	30.561°	●	○	●
Kaleönü 1	KAL	-	-	○	○	●
Kaleönü 2	KLN	-	-	○	○	●
Ekinyolu	EKI	-	-	○	○	●
Dikköy	DIK	-	-	○	○	●
Sarıçiçek	SCC	38.893°	40.605°	○	○	●
Çeltiksuyu	CSU	-	-	○	○	●
Bingöl 1	UCF	-	-	○	○	●
Bingöl 2	RCF	-	-	○	○	●
Bingöl 3	TOP	-	-	○	○	●