

Pushed AAA.

13 MAY 1968

69/12/14

Hydrometeorological Institute
Seismological Station
SARAJEVO, Grdonj 36
Yugoslavia

DATA INDICATED

SAR

SEISMOLOGICAL BULLETIN

Coordinates : 43° 52,4 N Lat; 18° 25,7 E Long
Height : 725 m.
Ground : Lime - Stone /Trias/

Instruments	Comp.	To sec.	v:l	V	r/2 To	Recording speed mm/min.
Mainka, M=450 kg.	E-W	10.0	2.7	119	0.028	57 - 60
Mainka. M=450 kg.	N-S	10.0	3.6	151	0.023	57 - 60
Wiechert, M=80 kg.	Z	2.0	3.4	122	0.03	15 - 18

I seismographic registrations

JANUARY 1967

NO	Date	Comp.	Phase	T I M E /GMT/			Per. sec.	Amplitude μ		Distance (D°) D=km.	REMARKS
				h	m	s		A N	A E		
1	4	N	ePn e eSn	06	00	24 49 01 34			622	USCGS: Greece 38.6 N., 22.1 E. H= 05 58 54.1	
2	5	E	eP e eS M ₁ M ₂	00	24	18 30 31 53 41 - 43 -				USCGS: Mongolia Felt at Ulan Bator and Irkutsk /USSR/ 48.1 N., 102.8 E. H= 00 14 40.4 h= 33 km. Mag. 6.4	
3	10	E	i i	20	41	54 56					

Seism. Station Sarajevo

JANUARY 1967

N ^o	Date	Comp.	Phase	T I M E			Per. sec.	Amplitude		Distance (Δ°) D=km.	REMARKS
				h	m	s		A N	A E		
+	11	E	eP e	11	25	34 53					USCGS: Iran - Iraq Border region 34.1 N., 45.7 E. H= 11 20 45.7 h= 34 Mag. 5.6 [±] 1.1
5	18	E	eP e e ePPS e M ₁ M ₂	05	44 45 48 52 53 06 11	17 50 51 22 08 - -					USCGS: Eastern Russia Felt at Chita 56.6 N., 120.8 E. H= 05 34 23.6 h= 11 km. Mag. 6 ³ / ₄ /PAS/
6	19	E	e e e e	12 13	59 00	32 07 17 38					USCGS: Fiji Island region; 14.8 S., 178.8 W. H= 12 40 12.6 h= 18 km. Mag. 6 ³ / ₄ /PAS/
7	20	E	e/P/ e e eS e M ₁ M ₂	02	06 07 13 14 15 26 30	50 01 49 39 30 - -					USCGS: Mongolia 48.0 N., 102.9 E. H= 01 57 23.1 h= 33 km. Mag. 6.1 [±] 0.9

Seism. Station Sarajevo

JANUARY 1967

N ^o	Date	Comp.	Phase	T I M E /GMT/			Per. sec.	Amplitude		Distance D=km.	R E M A R K S
				h	m	s		A N	A E		
8	24	E	eP e eS	09	39	00 40 47				USCGS: Central Mid-Atlantic Ridge 0.6 S., 21.0 W. H= 09 29 12.3 h 33 km. Mag. 4.9 [±] 1.0	
9	25	E	e/P/ ePPP e	01	57	35 59 02 00 39				USCGS: Afganistan-USSR Border region felt widely 36.6 N., 71.6 E. H= 01 50 19.4 h 281 km. Mag. 5.7 _± 0.5	
10	26	E	iPg iSg	14	25	56 26 10				Sar: Livno region I= IV ^o MCS	
11	28	E	eP e/S/	14	06	06 16 27				USCGS: Aleutian Islands Felt on Umuak Island 52.4 N., 169.5 W. H= 13 52 58.3 h 47 km. Mag. 6 ¹ / ₄ /PAS/	
12	29	N	ePn e e/Sn/ e	00	13	28 43 14 26 55				USCGS: Austria 47.9 N., 14.3 E. H= 00 12 13.6 h 25 km. Mag. 4.6 [±] 1.2	

Seism. Station Sarajevo

FEBRUARY 1967

N ^o	Date	Comp.	Phase	T I M E /GMT/			Per. sec.	Amplitude /μ		Distance (Δ ^o) D=km.	R E M A R K S
				h	n	s		A N	A E		
3	2	N	ePg iSg	12	17	14 31					
4	9	N	iPn i/Pg/ iSb i	14	09	27 40 23 46			448	USCGS: South Albania 40.0 N., 20.3 E. H= 14 08 18.7 h = 3 km. Mag. 5.6±1.1 Athens: 77 houses collapsed and about 66 were seriousy by damagod. Heavy dama- ge in Greece-Albania border Mag./MAC/ 5.5 h = 17 km./MAC/	
5		N	eP e e e/PP/ eS	15	37	48 07 51 25 32				USCGS: Colombia 100 killed, many injured, major dama- ge at Campoale, Guacamaya and Neiva Felt in Peru and Ecuador 02.9 N., 74.9 W. H= 15 24 47.2 h = 58 km. Mag. 6.3±0.6	

Seism. Station Sarajevo

FEBRUARY 1967

N ^o	Date	Comp.	Phase	T I M E			Per. sec.	Amplitude		Distance (Δ°) D=km.	REMARKS
				h	m	s		A N	A E		
16	13	E	iPg i iSg	07	30	24 26 30				39	Sar:Fojnica region, 44°01'N., 17°54'E. I _{Mac} = V ^o MCS Minor cracks on few houses at Fojnica
17		E	e/Pg/ i/Sg/	21	29	09 16					Traces Felt at Srebrenica, Bratunac and Ljubovija
18		E	eP ePP e/S/ e e M ₁ M ₂	23	21	21 42 55 58 29 23 50					USCGS:North Atlantic Ocean 52.7 N., 34.1 W. H= 23 14 19.6 h ≈ 10 km. Mag. 6 $\frac{3}{4}$ /PAS/
19	14	E	eP e e/S/	01	47	30 22 52					USCGS: Andaman Islands region. Felt at Bangkok, Thailand 13.7 N., 96.5 E. H= 01 36 13.7 h ≈ 27 km. Mag. 6.8±0.9

Seism. Station Sarajevo

FEBRUARY 1967

N ^o	Date	Comp.	Phase	T I M E /GMT/			Per. sec.	Amplitude		Distance D=km.	REMARKS
				h	m	s		A N	A E		
20	14	E	iPg iSg i	02	12	45 53 55			61	Yugoslavia, Srebrenica region /Luke/	
21	15	E	e iS	16	23	40 33 16				USCGS: Peru - Brasil Border region; 9.0 S., 71.3 W. H= 16 11 11.8 h= 597 km. Mag. $6\frac{3}{4}$ /PAS/	
22	21	N	i i	19	58	47 49				Felt at Bratunac /Srebrenica/	
23	23	E	iPn iPb i i/Sb/	22	39	18 20 25 45				Yugoslavia, Draiš - Perković. Felt at Split	
24	24	E	iPg iRiPg iSg	15	21	19 23 30			90	Yugoslavia, Čitluk Some chimnies cracked on old houses at Čitluk. Felt at Ljubuški, Čapljina and Mostar. Ep./Mac/ $43^{\circ}12'$ N., $17^{\circ}40'$ E.	
25	27	N	eP i i i/S/	21	03	02 50 13 03					

Seism. Station Sarajevo

FEBRUARY 1967

N ^o	Date	Comp.	Phase	T I M E			Per. sec.	Amplitude		Distance (Δ) D=km.	REMARKS
				h	m	s		A N	A E		
26	28	N	eP i i iSn	14	23	22 57 17 24				640	

MARCH 1967

27	4	Z	iPn i i iSn i/S/ i i i M ₁ M ₂	17 18	59 00	33 12 17 54 28 36 53 00 11 29				702	USCGS: Aegean Sea Felt in Greece, Western Turkey and at Sofia, Bulgaria 39.2 N., 24.6 E. H= 17 58 06.4 h= 33 km. Mag. $6\frac{3}{4}$ -7/PAS/ Athens: 39.1N., 24.6E. h: 60 km. Mag. 6.8
28	7	N	iPg iRiPg i iSg i/Sb/ i	08	00	45 48 49 55 56 05				89	Sar: Čitluk, Yugoslavia Felt at Mostar, Dre- žnica. Some chimnies demolished on old houses at Čitluk. <u>43°18' N., 17°37' E.</u> <u>I=V-VI^oMCS. Mag. 4.3</u> USCGS: 43.3N., 17.7E. H= 08 00 32.2 h= 33 km. Mag. 4.2

Seism. Station Sarajevo

MARCH 1967

No.	Date	Comp.	Phase	T I M E			Per. sec.	Amplitude		Distance (Δ°) D=km.	R E M A R K S
				h	m	s		A N	A E		
29	15	E	iPg i iSg i	03	39	52 55 40 08				81	Sar: Ep. Travnik region. I= IV ^o MCS Felt at Travnik and Mrkonjić Grad
30	19	E	eP e e/S/	04	13	56 43 03					USCGS:Kurile Islands 45.4 N., 151.3 E. H= 04 01 36.7 h= 33 km. Mag. 6 $\frac{1}{2}$ /PAS/
31	22	N	e i	15	02	39 51					Traces
32	24	E	e i	09	16	54 30					
33	27	N	e	09	18	57					Traces
34		N	e i	18	49	52 06					Traces
35		N	i i	00	07	06 10					Traces
36	30	E	ePg i i/Sg/	13	49	58 08 12					

Macroseismical report
 S.R.Bosna and Herzegovina

Seism. Station Sarajevo

JANUARY 1967

N ^o	Date	T I M E /MET/		DISTRICT	LOCALITY	Intensity MCS	REMARKS
		h	m				
1	17	19	30	Trebinje	Ljubomir	IV	
2	26	15	25	Livno	Livno	IV	Underground thunder
3	29	12	15	Mostar	Jablanica	III	

FEBRUARY 1967

1	13	08	30	Sarajevo	Fojnica Busovača Kiseljak Visoko Kreševo	V IV IV IV III	Ep. 44°01' N., 17°54' E.
2		22	29	Srebrenica	Bratunac Ljubovija	IV III	
3	21	20	58	Srebrenica	Srebrenica city	IV	
4	24	15	21	Mostar	Čitluk Čapljina Ljubuški Mostar city	V-VI V IV IV	Ep. 43°12' N., 17°40' E.
5		17	04	Mostar	Čitluk	IV	
6		18	22	Mostar	Čitluk	IV	

Macroseismical report
S.R. Bosna and Herzegowina

MARCH 1967

Seism. Station Sarajevo

№	Date	T I M E /MET/		DISTRICT	LOCALITY	Intensity MCS	REMARKS
		h	m				
1	7	09	00	Mostar	Čitluk Mostar city Drežnica	V-VI V IV	Ep. 43°18' N., 17°37' E. Minor damage on old houses at Čitluk
2	15	04	39	Travnik	Travnik city Vitez Mrkonjić Grad	IV IV III	

Izdaje: Republički hidrometeorološki zavod /Seizmološka stanica/ Sarajevo

Uredjuje: Janković Ing. Miloš

Umnoženo: U Seizmološkoj stanici u Sarajevu 1968 god.

5 AUG 1969

Hydrometeorological Institute
 Seismological Station
 SARAJEVO, Grdonj 36
 Yugoslavia

SEISMOLOGICAL BULLETIN

Coordinates : 43° 52,4 N Lat; 18° 25,7 E Long
 Height : 725 m.
 Ground : Lime - Stone /Trias/

Instruments	Comp.	To sec.	v:l	V	r/2 To	Recording speed mm/min
Mainka, M=450 kg.	E-W	10.0	2.7	119	0.028	57 - 60
Mainka, M=450 kg.	N-S	10.0	3.6	151	0.023	57 - 60
Wiechert, M=80 kg.	Z	2.0	3.4	122	0.03	15 - 18

I Seismographic registrations

APRIL 1967

N°	Date	Comp.	Phase	T I M E			Per. sec.	Amplitude		Distance D=km.	REMARKS
				h	m	s		A N	A E		
37	1	N	eP e/S/	12	35 45	37 03				USCGS:Kurile Islands 45.7 N., 151.8 E. H= 12 23 35.5 Mag. 5 ³ / ₄ /PAS/ h=40 km.	
38	3	N	e e	16	38 39	10 05				USCGS:Northern Italy Felt at Reggio Emilia, Modena and Parma 44.9 N., 10.6 E. H= 16 36 19.8 h=33 km. Mag. 4.7 SD 1.3	

Seism. Station Sarajevo

APRIL 1967

N ^o	Date	Comp.	Phase	T I M E /GMT/			Per. sec.	Amplitude		Distance D=km.	REMARKS
				h	m	s		A N	A E		
39	4	N	i	09	51	35				Loc.	
40	6	E	iPg i/Sg/	13	46	22 34			120	Felt in Bileća /Herzegowina/ Obscured by micro- seismes	
	7	N									
41	10	E	i	12	09	46				Loc. Felt in Sarajevo I= III ^o	
42		E	i	12	11	51				Loc. Felt in Sarajevo	
43		E	i	18	23	58				Loc.	
44	12	N	eP e e iS	05	03 04 05 13	35 17 21 20				USCGS: Sumatra 5.3 N., 96.5 E.	
45	15	N	ePb iPg i i iSn i	02	08	30 32 36 39 51 53			180	Felt in Bos. Grahovo Ep. /Mac/ 44.2N, 16.3E. I= V-VI ^o	
46	19	Z	iPg iSg	14	00	02 05			34	Ep. Mountain Treska- vica 43 ^o 35'N 18 ^o 18'E. I= IV ^o	
47		N	iPg iSg	21	41	07 10					

Seism. Station Sarajevo

MAY 1967

N ^D	Date	Comp.	Phase	T I M E			Per. sec.	Amplitude		Distance D=km.	REMARKS
				h	m	s		A N	A E		
48	1	E	ePb iPg i i iSb i M	07	10	19 32 46 11 05 27 46 12 00			515	USCGS: Greece At least 9 killed, more than 54 injured Damage in the north- western Greece area. 39.7 N., 21.3 E. H= 07 09 00.5 h ≈ 15 km. Mag. 5.6 SD 0.8	
49		N	e/Pg/ iSn iSg i	09	49	17 40 50 16 23				Rep: N ^o 48 USCGS: Greece 39.8 N., 21.5 E. H= 09 47 43 h ≈ 27 km. Mag. 4.7 SD 1.5	
50	2	N	e	08	13	25				Trace	
51		N	e e e	19	30	31 31 03 32 02					
52	3	N	ePn ePb e/Sn/ e	18	43	00 11 44 02 21				Rep: N ^o 48 USCGS: Greece 39.7 N., 21.5 E. H= 18 41 47.0	
53	4	N	e e	08	54	29 55 53					
54		N	e	13	14	34					

Seism. Station Sarajevo

MAY 1967

N ^o	Date	Comp.	Phase	T I M E			Per. sec.	Amplitude		Distance D=km.	REMARKS
				h	m	s		A N	A E		
4		N	ePn e eSn	13	32	26 36 33 24				Rep. N ^o 48 USCGS: Greece 39.8 N., 21.5 E. H= 13 31 08.5 h ≈ 40 km. Mag. 4.7 SD 0.8	
54	5	N	e e	06	27	59 28 08				USCGS: Greece 39.6 N., 21.5 E. H= 06 26 37 h ≈ 55 km. Mag. 4.6 SD 1.3	
55		N	e e e	13	51	07 52 12 53 03					
56	9	E	e e e/Sn/	08	02	12 03 04 24					
57	11	E	eP eS	14	58	47 15 06 03					
58	12	E	e e/Sg/ e e	17	55	51 56 47 57 14				USCGS: Northern Italy 44.7 N., 10.4 E. H= 17 53 23.1 h ≈ 39 km. Mag. 4.2 SD 1.1	

Seism. Station Sarajevo

MAY 1967											
N ^o	Date	Comp.	Phase	T I M E			Per. sec.	Amplitude		Distance D=km.	REMARKS
				h	m	s		A N	A E		
59	14	E	e/Pn/ e iSn	04	17	38 18 49 19 44				USCGS: Southern Greece 37.7 N., 21.2 E. H= 04 16 01.7 h 66 km. Mag. 4.8 SD 1.2	
60	15	E	e e e	08	16	22 17 15 18 31				USCGS: Crete 34.6 N., 26.7 E. H= 08 12 57.1 h 33 km. Mag. 4.5 SD 1.6	
61		E	e e	21	17	00 25					
62	21	E	e	18	57	33					
63	27	E	eP i	17	35	22 36 01				USCGS: Aleutian Island 51.9 N., 176.1 E. H= 17 22 58.7 h 34 km. Mag. 5.8 [±] 0.9	
JUNE 1967											
64	1	E	e/P/ ePP e e eS	10	41	25 42 02 19 23 52				USCGS: Tukey, Felt in Denizle and Isparta 36.9 N., 29.2 E. H= 10 39 22.8 h 36 km. Mag. 5.0 [±] 0.8	
65	8	N	e e/S/	21	11	30 57					

Seism. Station Sarajevo

JUNE 1967

N ^o	Date	Comp	Phase	T I M E /GMT/			Per. sec.	Amplitude		Distance D=km.	REMARKS
				h	m	s		A N	A E		
66	12	E	e	01	30	51					
			e		31	36					
			e		32	26					
67		E	eP	02	52	44					
			e		53	12					
			e			55					
			e		54	00					
			e			43					
68		E	e	18	14	22					
			e		15	15					
69	16	N	iPg	22	57	00					Ep./Macr./
			iSg			09					44° 02'N., 19° 24'E.
			i			11					Near Srebrenica
											I ₀ = IV-V ⁰
70	17	N	e	15	43	59					
			i		44	43					
71			iPg	19	17	55					
			i/Sg/			58					
72		N	i	19	38	10					
73	19	E	i/Pg/	14	54	34					
			iSg			41					
			i			48					
			F		55	24					
74	20	E	i/Pg/	03	40	44					
			iS			49					

Seism. Station Sarajevo

JUNE 1967

N ^o	Date	Comp.	Phase	T I M E			Per. sec.	Amplitude		Distance D=km.	REMARKS
				h	m	s		A N	A E		
75	22	E	i iSg	03	52	48 53					
76		E	e i	11	00	41 32					
77	23	E	i/Pg/ iSg	11	12	06 15					
78	27	E	i/Pg/ iSg	22	00	17 26					
79	30	N	i	01	34	27					
80		N	e/Pg/ i iSg	02	03	34 42 45					
81		N	iPg iRiPg iSg i	02	55	42 46 49 51			50		
82		N	i i/Sg/	03	36	29 38					
83		N	i	03	43	56					
84		N	e iSg	04	24	41 48					

Macroseismical report
S.R.Bosna and Herzegovina

Seism. Station Sarajevo

APRIL 1967

N ^o	Date	T I M E /GMT/		DISTRICT	LOCALITY	Intesity MCS	REMARKS
		h	m				
1	6	14	46	Bileća	Bileća	IV	
					Gacko	IV	
					Avtovac	IV	
2	10	13	09	Sarajevo	Sarajevo	IV	
3		13	11	Sarajevo	Sarajevo	III	
4		19	23	Sarajevo	Sarajevo	III	
5		19	24	Sarajevo	Sarajevo	III	
6	15	03	08	Bihać	Peći	V-VI	Some damage at willage Peći
					Bos.Grahovo	V	
					Resanovići	V	
					Vidovići	V	
					Crni Lug	IV	
7	19	15	01	Sarajevo	Kalinovik	IV	Ep. Treskavica
					Trnovo	III	
					Sarajevo city	III	
8		22	41	Sarajevo	Trnovo	III	
9	22	24	00	Mostar	Drežnica	IV	
							JUNE 1967
10	16	23	57	Srebrenica	Srebrenica	IV-V	Ep. 44°02' N., 19°24' E.

Izade: Republički hidrometeorološki zavod /Seizmološka stanica/ Sarajevo

Uredjuje: Janković Ing. Miloš

Umnoženo: U Seizmološkoj stanici u Sarajevu 1969 godine

Hydrometeorological Institute
Seismological Station
SARAJEVO, Grdonj 36
Yugoslavia

PbD

~~SAR~~

~~Phase data indicated~~

JULY - SEPT

SEISMOLOGICAL BULLETIN

Coordinates : 43° 52,4 N Lat; 18° 25,7 E Long
Height : 725 m.
Ground : Lime - Stone /Trias/

Instruments	Comp.	To sec.	v:l	V	r/2 To	Recording speed mm/min.
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Mainka, M=450 kg.	N-S	10.0	3.6	151	0.023	57 - 60
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I Seismographic registrations

JULY 1967

N ^o	Date	Comp.	Phase	T I M E /GMT/			Per. sec.	Amplitude		Distance (Δ°) D=km.	REMARKS
				h	m	s		A N	A E		
85	1	E	i	01	34	28					
86		E	i iSg	02	03	40 45					
87		E	iPg iRiPg i iSg	02	55	41 45 48 50			80	BCIS: Yugoslavia 43.9 N., 19.2 E. Sar: 44.ON., 19.2 E. M= 4.3	
88		E	i i	03	43	55 44				Aftershock	

Seism. Station Sarajevo

JULY 1967

N ^o	Date	Comp.	Phase	T I M E /GMT/			Per. sec.	Amplitude <i>μ</i>		Distance (Δ°) D=km.	R E M A R K S
				h	m	s		A N	A E		
89	1	E	i i	04	24	45 47					Aftershock
90		E	e/P/ i	13	22	47 53					Aftershock of the seism of July 1, 1967.
91		E	i i/Sg/	13	33	20 30					
92	2	E	iPg iSg F	00	31	47 57 34 46					Aftershock of the seism of July 1, 1967. BCIS: H=00 31 37 Beo: M= 4.2
93		E	iPg iRiPg i iSg iRiPgSg iRiSg	01	14	17 20 25 28 30 35				88	USCGS:43.7N.,19.2E. Aftershock of the seism of July 1,67. h \approx 33 km. M= 4.2 SD 0.9
94		E	iPg i iSg i/RsPg/ iRiPgSg F	01	17	24 32 34 36 38 21 51				86	BCIS:43.9N.,19.2 E. H= 01 17 13 M= 3.9 Aftershock of the seism of July 1,67. M= 3.9 /CG/
95		E	e/Pg/ iSg	05	37	10 29					Aftershock /July 1, 1967/

Seism. Station Sarajevo

JULY 1967

No	Date	Comp.	Phase	T I M E			per. sec.	Amplitude		Distance (Δ°) D=km.	REMARKS
				h	m	s		A N	A E		
96	2	E	iPg i iSg iRiPgSg F	07	10	17 25 28 31 12 16				Aftershock /July 1, 1967/ M= 3.9 /Beo/	
97		E	e	07	43	40					
98		N	ePg iRiPg iSg	14	28	28 33 35			88	Aftershock of the seism of July 1,67.	
99	3	Z	iPg i iSg iRsPg M F	02	53 54	54 00 04 05 13 57 -			87	Sar: Ep.44.1N.,19.2E Un population area near Srebrenica. Felt in: Višegrad, Srebrenica, Han Pi- jesak and Sarajevo. Some damages in few williges near Više- grad. M= 4.4 <u>H=025340</u>	
100	5	E	ePn e/Pb/ eSn e	00	55	03 19 29 00			828	USCGS: Yugoslavia 44.2 N., 19.2 E. H= 02 53 48 h~ 60 km. M= 4.3 USCGS: Ionian Sea 36.7 N., 21.5 E. H= 00 53 14.2	

JULY

Handwritten red circles around the number 3 in the Date column and the corresponding phase and time data for event 99.

Seism. Station Sarajevo

JULY 1967

N ^o	Date	Comp.	Phase	T I M E /GMT/			Per. sec.	Amplitude		Distance (Δ°) D=km.	R E M A R K S
				h	m	s		A N	A E		
101	6	N	e/Pn/ e ePb eSn	08	22 23 24 25	41 55 01 19				842	USCGS: Ionian Sea 36.6 N., 21.4 E. H= 08 21 49 M _L = 4.1 /Athens/
102		E	e e	13	54	39 49					USCGS: Aleutian Islands 52.6 N., 168.2 W. H= 13 42 22.5 h ≈ 14 km. M= 6 $\frac{1}{4}$ /PAS/
103	10	E	e i	01	55	26 32					
104	11	N	iPg iRiPg i iSg M F	12	41	40 42 46 56 00 -				130	Sar: 44.5N., 17.2E. South of Banja Luka M= 4.3 /bgd/ H= 12 41 19
105	13	N	ePn ePb e eSg e	14	39	48 59 24 49 55				390	USCGS: Albania 40.7 N., 19.5 E. H= 14 38 54 h ≈ 23 km. M= 4.4 SD 1.1

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Handwritten red circles and lines around the data for event 104, highlighting the date '11', the phase 'iPg', 'iRiPg', 'i', and 'iSg'.

Handwritten notes in a circle around the remarks for event 104, including 'Sar: 44.5N., 17.2E.', 'South of Banja Luka', 'M= 4.3 /bgd/', and 'H= 12 41 19'.

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N ^o	Date	Comp.	Phase	T I M E /GMT/			Per. sec.	Amplitude /μ		Distance D=km.	REMARKS
				h	m	s		A N	A E		
106	19	E	eP e eS e	09	08	58 09 38 11 10 21				1.150	USCGS: Turkey 37.9 N., 29.0 E. H= 09 06 19.0 Slight damage in Denizli province h ≈ 28 km. M= 4.7 SD 0.9
107	20	N	ePn e eSn e	19	04	20 30 05 03 24				355	USCGS: Albania 40.8 N., 19.8 E. H= 19 03 27.3 h ≈ 33 km. M= 4.3 SD 1.1
108	22	Z	eP i i iSn i/Sb/ i i M F	16	59	19 25 38 01 07 36 55 02 27 50 36 -				1.032	USCGS: Turkey 173 killed, 183 inj- ured and major pro- perty damage in Sakarya, Hendek and Akyazi provinces 40.7 N., 30.8 E. H= 16 56 53.3 h ≈ 4 km. M= 7 ¹ / ₄ /PAS/
109	25	E	e/Pg/ e eSn	08	39	04 40 12 19				570	USCGS: Greece Bulgaria border re- gion 41.9 N., 24.6 E. H= 08 37 26 h ≈ 33 km. M= 4.2 SD 1.4 /CGS/

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No	Date	Comp.	Phase	T I M E /GMT/			Per. sec.	Amplitude		Distance (Δ°) D=km.	REMARKS
				h	m	s		A N	A E		
110	26	E	eP e e eS e	18	56	58				1.760	USCGS: Turkey 92 killed, 120 injured major property damages in Eastern Turkey 39.5 N., 40.4 E. H= 18 52 01.3 h \approx 33 km. M= 5.6 SD 1.2/CGS/
111	29	E	eP e/S/	10	36	48					USCGS: Northern Colombia 10 killed and moderate property damage. Felt in Colombia and Western Venezuela 6.8 N., 73.W. H= 10 24 24.6 h \approx 161 km. M= 6.0 SD \pm 1.0
112	30	E	eP e/S/	00	12	09					USCGS: Near Coast of Venezuela 236 deaths, 2000 injured and major property damage in Caracas Area 10.6 N., 67.3 W. H= 23 59 58.7 h \approx 10 km. M= 6 $\frac{1}{2}$ /PAS/

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No	date	Comp.	Phase	T I M E			Per. sec.	Amplitude		Distance (Δ°) D=km.	REMARKS
				h	m	s		A N	A E		
113	30	E	eP e eS e	01	33 34 35 36	25 05 29 14				1.050	USCGS: Turkey Property damage in Akyazi-Sakarya Area 40.7 N., 30.4 E. H= 01 31 01.7 h = 16 km. M= 5.6 SD 0.7 /CGS/
114	31	E	eP e e/Sb/	07	14 15 16	05 13 09				940	USCGS: Turkey 40.6 N., 27.6 E. H= 07 12 05 h = 14 km. M= 4.2 SD 08

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No	Date	Comp.	Phase	T I M E			Per. sec.	Amplitude		Distance (Δ°) D=km.	REMARKS
				h	m	s		A N	A E		
115	4	N	iPg iRiPg iRsPg iSg M F	14	54	51 54 55 01 07 09 58				129	USCGS: Yugoslavia 42.9 N., 17.7 E. H= 14 54 33.3 h \approx 33 km. M= 4.4 SD 0.9 Sar: Herzegowina near Hum 42 ^o 43' N., 18 ^o 08' E. M= 4.3
116	12	N	e e	09	59	29 10 00 09					USCGS: South of Fiji Islands. Felt in Radul 24.7 S., 177.5 W. H= 09 39 44.3 h \approx 134 km. M= 5.8 SD 0.9
117	13	N	e e	20	18	27 19 09					USCGS: Japan 35.3 N., 135.3 E. H= 20 06 50.6 h \approx 357 km. M= 6.0 SD 0.8 /CGS/
118		N	eP e e e	22	11	04 13 15 35 16 10				1.480	USCGS: Pyrenees 1 killed, 60 inju- red and 80 houses destroyed at Arete /france/. Felt in Northern Spain 43.2 N., 0.5 W. H= 22 07 47.5 h \approx 15 km. M= 5.3 SD 0.9
119	14	N	e e	20	11	44 12 19					

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N ^o	Date	Comp.	Phase	T I M E			Per. sec.	Amplitude		Distance (Δ) D=km.	R E M A R K S
				h	m	s		A N	A E		
120	21	N	e e	07	45 46	05 20					USCGS:Western Coast of northern Sumatra 3.6 N., 95.8 E. H= 07 33 00.6 h = 33 km. M= $6\frac{1}{2}$ - $6\frac{3}{4}$ /PAS/
121	22	E	e e	13	20 21	20 31					USCGS:South Sandwich Island region 60.8 S., 24.6 W. H= 13 02 06.8 h = 33 km. M= $6\frac{3}{4}$ /PAS/
122	25	E	e e	00	54	06 52					USCGS:West Caroline Islands 12.2 N., 140.7 E. H= 00 36 42.1 h = 33 km. M= 6.1 SD 0.7 /CGS/
123	30	N	eP e	04	32 33	36 09					USCGS: Szechwan Province, China 31.7 N., 100.3 E. H= 04 22 01.5 h = 3 km. M= 6.1 SD 0.9

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N ^o	Date	Comp.	Phase	T I M E			Per. sec.	Amplitude		Distance (Δ°) D=km.	REMARKS
				h	m	s		A N	A E		
124	3	E	ePn e e e/Sn/	07	48	20 35 49 38			750	USCGS: Southern Greece 37.5 N., 21.8 E. H= 07 46 19 h \approx 48 km. M= 4.4 SD 1.1 /CGS/	
125		E	eP e e	21	21	28 07 49				USCGS: Off Coast of Peru 10.6 S., 79.8 W. H= 21 07 30.8 h \approx 38 km. M= 6.5 SD 0.8 /CGS/	
126	7	E	e	00	33	32					
127	8	E	eP e eSn	02	05	44 55 48				USCGS: Albania-Greece border 40.7 N., 20.2 E. H= 02 09 46 h \approx 30 km. M= 4.7 SD 1.0 /CGS/	
128		E	ePn e e/Sn/	09	53	14 59 22			570	USCGS: Western Greece 39.2 N., 21.7 E. H= 09 51 43.1 h \approx 45 km. M= 4.4 SD 1.5 /CGS/	
129	9	E	e	09	26	20					
130	12	E	ePn e	14	48	14 31					
131	20	E	iPg iRiPg iSg M F	06	09	24 29 33 37 41			69	Sar: Bosna and Herzegovina Near Travnik 44.2 N., 17.6 E. I= V ^o -VI ^o /MCS/ Felt in Travnik, Zenica, Zavidovići, Žepče, Fojnica, Sarajevo. H=060912	

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No	Date	Comp.	Phase	T I M E /GMT/			Per. sec.	Amplitude		Distance (Δ°) D=km.	REMARKS
				h	m	s		A N	A E		
32	20	E	iPg iSg	16	27	42 47					Sar: Bosna and Herze- gowina Ep. Near Travnik
33	24	E	e e	12	53	43 00					
34		E	eP e e	22	11	46 43 10					
135	26	N	iPb i iSb	05	06	25 51 05				340	USCGS: Yugoslavia Macedonia 41.7 N., 21.2 E. H= 05 05 36 h ≈ 39 km. M= 4.4 SD 1.5 /CGS/ Minor damage at Kiče- vo.

Macroseismical report
S.R.Bosna and Herzegowina

Seism. Station Sarajevo

JULY 1967

№	Date	T I M E /GMT/		DISTRICT	LOCALITY	Intensity MCS	R E M A R K S
		h	m				
1	1	03	55	Han Pijesak	Han Pijesak city	IV	
2	2	01	31	Rogatica	Rogatica city Žepa	IV IV	
3		02	15	Rudo		IV-V	
4	3	03	54	Rogatica	Rogatica city	IV	
				Srebrenica	Srebrenica city	III	
					Luke	III-IV	
				Vlasenica	Derventa	IV	
				Goražde	Sadba	IV	
					Berić	IV	
				Zvornik	Zvornik city	III	
					Drinjača	III	
				Rudo	Rudo	V	
				Sarajevo	Sarajevo eity	III	
				Višegrad	Višegrad	IV-V	

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Macroseismical report
S.R. Bosna and Herzegovina

Seism. Station Sarajevo

AUGUST 1967

No	Date	T I M E /GMT/		DISTRICT	LOCALITY	Intensity MCS ^a	REMARKS
		h	m				
1	4	15	54	Trebinje	Hum Kočela Staro Slano Orašje Lug Trebinje city	IV-V IV IV IV IV III-IV	

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1	20	07	09	Travnik	Karaula Travnik city Novi Travnik	V V IV	
				Kakanj	Kakanj	IV	
				Fojnica	Fojnica city	IV	
				Žepče	Žepče city	III	
				Zavidovići	Zavidovići city	III	

Izdaje: Republički hidrometeorološki zavod /Seizmološka stanica/ Sarajevo

Uredjuje: Janković Ing. Miloš

Umnoženo: u Seizmološkoj stanici u Sarajevu 1969 godine.