

1958

January

1	iP	06	57	59
1	iP	13	42	22
	iS	13	43	05
2	iP	02	11	02
	iS	02	13	00
2	iP	05	33	15
	i!	05	33	46
	iS	05	35	12
2	iP	15	48	08
	i	15	51	05
	i	15	51	40
3	iP	17	57	28
4	iP	07	06	47
	iS	07	08	44
5	iP	08	18	35
	i!	08	18	52
6	e	09	56	12
	e	09	58	58
7	iP	18	28	55
	i	18	29	13
9	iP	10	04	59

Obscured by microseisms

A. Shlanger,  
Seismologist.





STATE OF ISRAEL  
 Ministry of Development  
 GEOLOGICAL SURVEY  
 Geomorphological & Quaternary Department  
 Hebron Road  
 JERUSALEM  
 ISRAEL



BULLETIN No. 49

January 9, 1958/February 4, 1958

Serial No.	Date	Phase	Time			Remarks	
							10. 2. 58.
12	January 9	iP	17	47	10		
		PZ				Micr 0.4	Sec 1,0
13	10	iP	03	12	42		
14	11	e	13	38	35		
		i!PKP <sub>1</sub>	13	38	42	D	
		i!PKP <sub>2</sub>	13	38	59		
		i	13	39	36		
		PKP,Z				Micr 0.4	Sec 1,2
15	11	iP	15	42	52		
		iS	15	44	29		
16	12	iP	02	53	09		
		iS	02	53	47		
17	12	iP	02	57	06		
		iS	02	57	45		
18	12	iP	15	05	45		
19	13	iPKP	03	13	45		
		i	03	15	59		
		i	03	17	05		
		PKPZ				Micr 0.3	Sec 2,0
20	January 13	iP	20	24	14		
		i	20	24	27		
		PZ				Micr 0.2	Sec 1,0
21	14	iPKP	06	14	46		
		PKPZ				Micr 0.1	Sec 1,0
22	14	iPKP	07	39	41		
		PKPZ				Micr 0.15	Sec 0,8
23	14	iP	13	36	54		
		i	13	37	28		
		i	13	39	15		

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Serial No.	Date	Phase	Time			Remarks
24	January 14	iP	19	00	03	
		iS	19	00	41	
25	15	iP	04	22	36	C
26	15	iP	10	49	35	
27	15	ePKP	19	32	34	
		ipPKP	19	33	32	
		e	19	43	15	
		i	19	44	23	
28	15	ePKP	22	34	55	
		i	22	37	31	
		i	22	38	36	
29	16	iP	04	20	54	
		i	04	22	50	
		iS	04	23	31	
		i	04	25	07	
		PZ				Micr 0.07 Sec 0,8
30	19	iP	14	22	06	
		i	14	25	17	
		i	14	26	30	
		i	14	36	12	
						Long train of Rayleigh waves.
31	19	iP	15	02	32	
		i	15	04	45	
32	19	iP	17	00	31	
33	21	eP	10	05	26	
		i	10	05	41	
34	22	iP	06	25	00	Local
35	22	e	06	36	49	
36	22	iP	09	14	25	
		iS	09	15	52	
37	22	iP	11	37	59	Local
		iS	11	38	04	
		PZ				Micr 0.02 Sec 0,4
38	22	iP	18	40	40	
		PZ				Micr 0.12 Sec 1,0
39	22	iP	21	51	11	
40	22	e(P)	23	38	03	
		e	23	40	15	
41	23	i!P	02	46	16	
		PZ				Micr 0.1 Sec 0,7
42	23	iP	13	42	23	
		i!	13	42	46	
		PZ				Micr 0.08 Sec 0,6

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Serial No.	Date	Phase	T i m e			Remarks		
43	January 23	iP	14	05	29	Local		
		iS	14	05	35			
44	23	iP	23	55	26			
		iS	23	57	08			
45	23	iP	15	38	27			
		iS	15	38	33			
46	24	iP	00	05	37			
		i	00	06	15			
47	24	iP	06	06	21	D		
		i	06	09	14			
		e(s)	06	16	42			
		MeLR	06	49	-			
		PZ					Micr	Sec
							0.3	1,0
48	24	iP	06	23	26			
49	24	iP	07	00	22			
50	24	iP	15	56	04			
		iS	15	57	08			
51	24	iP	18	16	17			
		i	18	19	41			
		PZ					Micr	Sec
							0.2	1,8
52	24	iP	23	30	17			
53	25	i!PKP	00	12	14	D		
		i	00	14	28			
		PKPZ					Micr	Sec
							0.07	0,4
54	25	iP	04	42	07			
		iS	04	42	53			
		PZ					Micr	Sec
							0.02	0,4
55	25	ep	11	34	14			
		e	11	36	08			
		e	11	36	53			
56	27	iP	22	00	03			
		i	22	01	12			
57	28	iP	03	32	28			
		iS	03	34	13			
58	28	iP	17	19	33			
59	28	iP	21	28	52			
		i	21	30	25			
60	29	iP	11	37	30	Local		
		iS	11	37	42			
61	30	iP	19	15	41			
		iS	19	17	24			
62	31	iP	01	52	20	Local		
		iS	01	52	38			
63	31	iP	18	20	40			
		iS	18	22	02			
64	31	iP	21	31	37			
		iS	21	32	58			

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Serial No.	Date	Phase	T i m e			Remarks
65	February 1	e	16	28	20	
		i	16	29	50	
66	2	iP	14	23	59	
		iS	14	25	02	
67	2	iP	21	42	25	
		iS	21	43	06	
68	3	e	00	44	42	
		iP	00	45	09	
		iS	00	45	50	
69	3	iP	08	45	19	
70	3	eiP	17	31	14	
		i	17	31	19	C
		e	17	36	28	
		iS	17	37	10	
71	4	iP	09	56	08	
		i	09	01	43	
		eS	09	02	01	

 A. Schlanger,  
Seismologist.

Jerusalem, March 1958.



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MICROSEISMS

 A - Amplitude in Microns  
 T - Period in seconds.

<u>December</u>	00 h.		06 h.		12 h.		18 h.	
	<u>A</u>	<u>T</u>	<u>A</u>	<u>T</u>	<u>A</u>	<u>T</u>	<u>A</u>	<u>T</u>
5	0,15	2	0,15	2	0,1	2	0,15	2
6	0,13	1,8	0,16	2	0,16	2	0,2	2
7	0,2	2	0,1	1,5	0,15	2	0,13	1,8
8	0,16	2	0,5	2	0,5	2	0,7	2
9	0,5	2	0,5	1,8	0,2	1,6	0,1	2
10	0,1	2	0,1	2	0,1	2	0,1	2
11	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-
15	-	-	-	-	0,1	2	0,1	2
16	0,1	2	0,1	2	0,1	2	0,1	2
17	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-
19	0,1	2	0,2	2	0,1	1,6	0,3	2
20	0,3	2	0,5	2	0,3	2	0,2	1,5
21	0,2	1,5	0,2	1,7	0,1	1,5	-	-
22	-	-	-	-	-	-	-	-
23	0,1	1,5	0,2	2	0,1	2	-	-
24	-	-	-	-	-	-	-	-
25	0,2	1,5	0,3	1,5	0,8	2	0,8	2
26	0,6	2	0,4	2	0,3	2	0,1	2
27	0,1	2	0,1	2	0,1	1,5	0,1	1,5
28	0,2	1,5	0,1	1,5	-	-	-	-
29	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	0,1	2
<u>January</u>								
1	0,1	1,5	0,3	2	0,3	2	0,3	2
2	0,3	2	0,3	2	0,3	2	0,5	1,7
3	0,7	2	0,7	2	0,3	2	0,1	1,5
4	0,1	2	0,1	2	0,3	2	0,1	2
5	0,1	2	0,1	1,8	0,3	2	0,4	2,5
6	0,1	2	0,1	2	0,1	1,7	0,1	1,5
7	0,3	2	0,2	1,8	0,1	1,5	-	-
8	-	-	-	-	-	-	0,1	1,7
9	0,1	1,7	0,2	2	0,2	2	0,1	1,5
10	0,3	2	0,1	1,8	-	-	-	-
11	-	-	-	-	0,4	2	0,3	2
12	0,3	2	0,1	2	-	-	-	-
13	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-
16	-	-	-	-	0,1	1,5	0,1	1,5
17	0,1	1,5	0,1	1,7	0,1	1,7	0,1	1,7
18	0,1	2	0,1	1,8	-	-	-	-
19	-	-	-	-	0,1	2	0,1	2
20	0,1	2	0,2	2,5	0,1	2	-	-
21	-	-	-	-	0,1	2	0,1	2
22	0,1	2	0,1	1,8	-	-	-	-
23	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-
26	-	-	-	-	0,1	1,5	0,3	2
27	0,3	2,2	0,8	2,4	0,5	2	0,3	1,8
28	0,1	1,5	0,1	1,5	-	-	-	-
29	-	-	-	-	-	-	0,1	2
30	0,1	1,5	0,1	1,5	0,4	2	0,4	2
31	0,5	2	0,9	2,5	0,9	2,4	0,3	2

 A. Shlanger,  
 Seismologist.



STATE OF ISRAEL  
Ministry of Development

GEOLOGICAL SURVEY

Geomorphological & Quaternary Division

Hebron Road  
JERUSALEM



BULLETIN No. 50

February 5/March 31, 1958

Serial No.	Date	Phase	Time			Remarks		
								10. 3. 58
72	February 5	iP	08	20	45			
73	6	iP	15	27	40	Local		
74	6	iPKP	16	19	41	C		
		i	16	20	48			
75	7	iP	00	43	00			
76	7	i	01	30	18			
		i!PKP	01	30	24			
		i	01	30	32			
		PKPZ					Micr.	Sec. 0.9
77	7	iP	07	12	02	C		
78	7	i!P	23	33	26	D		
		i!	23	33	33	D		
		e	23	41	10			
		PZ					Micr	Sec 1,0
79	9	iP	01	01	07			
		iS	01	01	45			
80	9	i	09	31	55			
		e	09	35	44			
81	9	iP	09	39	55			
82	9	iP	14	54	24	Local		
83	9	iP	21	54	11			
		iS	21	54	31			
		PZ					Micr	Sec 0,4
84	10	iP	06	57	24			
		PZ					Micr	Sec 0,4
85	10	iP	16	13	00	Local		
		iS	16	13	06			
		PZ					Micr	Sec 0,4
86	10	iP	22	41	35			
		i	22	42	09			
		PZ					Micr	Sec 1,5

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Serial No.	Date	Phase	Time			Remarks	
87	February 11	iP	00	58	19		
88	12	i!P	18	27	31	C	
		PZ					Micr Sec 0,5
89	12	iP	22	11	50	Local	
90	12	iP	23	43	44	Local	
91	12	eP	23	57	01		
92	13	eP	07	54	00		
		eS	07	56	35		
		i	07	57	15		
93	13	iP	10	27	55		
		i	10	33	30		
94	13	iP	14	24	49	Local	
95	13	iP	16	37	33		
		iS	16	38	16		
96	14	i!P	23	59	52	D	
							Felt in Jerusalem Int : III M = 4; d = 90 km
97	15	iP	01	59	07		
98	15	iP	02	56	16		
		iS	02	57	39		
99	16	iP	02	18	38	Small	
100	16	iP	06	16	30	D	
		PZ					Micr Sec 0,7
101	16	iP	14	06	57	Local	
102	17	iP	05	24	31		
		i!pP	05	25	13		
		i	05	29	38		
		i	05	33	14		
103	17	iP	23	33	50		
		iS	23	34	24		
104	18	iP	02	49	29		
		i(PP)	02	51	04		
105	18	iP	07	54	07		
		i	07	54	47		
		PZ					Micr Sec 1,2
106	18	iP	20	00	31		
107	19	i!P	19	37	31	D	
		i	19	37	43		
		PZ					Micr Sec 1,8
108	20	iP	04	09	29		
109	20	iP	04	16	55		
110	20	iP	04	50	22		
		i	04	50	30		

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Serial No.	Date	Phase	Time			Remarks		
111	February 20	iP	21	04	42			
112	20	iP	21	53	38			
		iS	21	54	22			
113	21	iP	22	11	12			
		iS	22	12	43			
114	21	iP	21	38	57			
		iS	21	40	28			
115	22	eP	11	03	43			
		i	11	06	58			
		e (PPP)	11	07	37			
		e	11	16	15			
116	22	iP	20	54	00	Local		
117	23	iP	10	18	11			
118	23	iP	11	00	48			
		e	11	11	20			
		PZ					Micr	Sec 1,0
119	23	iP	17	29	12			
		iS	17	29	30			
120	24	i!P	12	36	12	D		
		e	12	43	40			
		PZ					Micr	Sec 1,2
121	25	eP	23	13	20			
		e(s)	23	15	18			
122	26	iP	17	03	11	D		
123	27	iP	21	40	01			
		i(s)	21	41	10			
124	27	iP	22	39	37			
		i	22	39	51			
125	28	eP	10	05	58			
126	March 1	iP	09	30	56	C		
127	1	iP	18	46	58			
		i	18	47	34			
128	1	iP	19	34	30			
129	3	iP	15	28	13			
130	3	i!P	16	30	48			
131	4	iP	11	34	06	D		
132	6	i!P	08	15	50	D		
133	6	iP	10	09	24			
134	7	iP	08	34	01	C		
		e	08	40	37			
		e	08	48	03			
135	7	iP	17	50	18			
136	10	e	07	14	46			
137	11	i!P	00	37	44	C		
		PZ						Micr 1,1

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Serial No.	Date	Phase	Time			Remarks
138	March 11	iP	14	18	20	
139	12	iP	14	18	55	Small
140	13	iP	17	41	30	
141	14	iP	00	01	46	
142	15	iP	06	30	36	
		i	06	33	23	
		i	06	34	31	
143	16	i!P	21	30	47	Local
144	17	iP	21	17	28	
		i	21	17	44	
145	19	iP	14	18	12	
146	22	iP	10	20	40	
		i!	10	20	58	
147	23	iP	07	58	41	Local
148	23	iP	15	58	07	
		is	15	59	39	
149	26	iP	00	01	59	
150	26	iP	01	38	20	
151	26	iP	15	44	24	Local
152	26	iP	22	56	13	
153	28	iP	04	15	21	
154	28	iP	11	12	05	D
		PZ				Micr 0,07
						Sec 0,4
155	28	iP	17	23	01	
		i	17	25	24	
156	29	iP	02	03	24	
157	30	iP	18	00	27	
		i	18	02	07	
158	30	iP	20	56	02	

 A. Shlanger,  
 Seismologist.



STATE OF ISRAEL,  
MINISTRY OF DEVELOPMENT,  
GEOLOGICAL SURVEY,  
GEOMORPHOLOGY & SEISMOLOGY DIVISION,  
Hebron Road, Jerusalem, Israel.



JERUSALEM PROVISIONAL READINGS  
BULLETIN No. 51  
March 31/June 30 1958

16.7.58

Serial No.	Date	Phase	G.M.T.			Remarks
159	March 31	iP	16	50	04	
		iS	16	52	48	
160	31	PZ		Micr 0,08	Sec 0,8	
		iP	18	01	41	
161	31	PZ		Micr 0,04	Sec 1,0	
		iP	22	27	46	C
162	April 1	iS	22	27	58	
		iP	00	40	47	Small
163	1	iP	00	41	36	
		iS	00	41	48	
164	1	eiP	05	09	49	
		i	05	09	57	
165	1	iS	05	10	40	
		eLR	05	11	-	
166	2	i!P	15	10	04	C
		PZ		Micr 0,06	Sec 0,7	
167	2	iP	12	04	30	
		i	15	01	14	
168	3	iP	02	27	23	
		iS	02	30	08	
169	3	iP	07	20	20	C
		iS	07	21	42	
170	4	iT	07	27	20	
		PZ		Micr 0,12	Sec 1,4	
171	4	iP	01	14	31	D
		i	01	14	37	
172	5	i	01	16	33	
		iP	01	34	14	local
173	5	PZ		Micr 0,01	Sec 0,4	
		iP	07	41	07	
174	7	iS	07	42	39	
		iP	11	26	53	Small
175	7	iS	11	28	23	
		iP	15	43	00	
176	7	i	15	43	10	
		iPP	15	46	16	
177	7	iP	18	17	28	D
		i	18	17	32	
178	7	iPP	18	20	43	
		eS	18	28	02	
179	7	eLR	18	44	-	
		e	18	55	05	
180	7	PZ		Micr 0,64	Sec 1,2	



Serial No.	Date	Phase	G.M.T.			Remarks
176	April 7	iP	18	42	40	D
176 a		iP	18	49	06	
176 b		iP	18	50	45	
176 c		iP	18	59	40	
176 d		iP	19	02	09	
177	7	iP	19	22	16	D
		eS	19	29	30	
				Micr	Sec	
		PZ		0.3	1,0	
178	8	iP	07	23	05	
179	9	eP	04	39	02	Small
		i	04	39	10	
		i	04	40	32	
		L	04	40	38	
		i	04	44	05	
180	10	i(PKP)	12	04	03	
181	10	i PKP	19	31	10	D
		i	19	31	17	
				Micr	Sec	
		PZ		0,25	1,4	
182	11	iP	01	12	05	
					Micr	
		PZ		0,23	1,0	
183	11	iP	23	25	08	
		iPP	23	28	38	
		i	23	29	58	
		e	23	30	27	
					Micr	
		PZ		2,85	2,0	
184	12	iP	13	38	44	
		ipP	13	38	59	
		i	13	39	01	
		i	13	39	24	
		e	13	41	50	
					Micr	
		PZ		0.11	1,1	
185	13	eP	12	02	54	
		iS	12	03	29	
				Micr	Sec	
		PZ		0,02	0,4	
186	13	iP	12	41	35	D
		i(PP)	12	44	46	
		iPPP	12	47	58	
		iSKS	12	51	54	
		ePKKS	13	02	10	
		eLR	13	11	30	
					Micr	
		PZ		4,3	3	
		MZ		41	17,0	
187	14	iP	03	02	11	D
					Micr	
		PZ		0,16	1,0	
188	14	e	21	50	22	
		iPP	21	51	38	
		eSKS	22	01	06	
		eLR	22	31	-	
189	15	iPKP	01	49	52	
190	15	iPKP	04	10	47	



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Serial No.	Date	Phase	G.M.T.			Remarks
191	April 15	eiP	06	17	40	Small
		i	06	17	58	
		eS	06	19	05	
		i	06	19	23	
		i	06	19	33	
		iL	06	19	40	
		e	06	21	55	
192	15	iP	07	59	13	
		i	08	00	51	
		iS	08	01	17	
193	17	iP	02	58	39	
194	17	i	05	12	53	
18.4 - 7.6.1958 Jerusalem station not in action.						
195	June 9	iP	17	26	02	
		iS	17	26	42	
196	10	iP	04	20	00	
				Micr	Sec	
		PZ		0,06	1,2	
197	10	iP	07	07	20	
		i	07	08	27	
		i	07	08	43	
		i	07	11	23	
				Micr	Sec	
		PZ		0,02	0.7	
198	10	i!P	11	22	47	blast ?
199	10	i(P)	20	12	54	
		i	20	16	19	
		i	20	17	21	C
200	12	i!P	14	58	20	local
201	12	e	21	06	08	
		iP	21	06	11	
				Micr	Sec	
		PZ		0,6	1,0	
202	13	i(P)	03	07	52	Small
		i	03	10	05	
203	14	iP	04	08	00	
		iS	04	08	07	
204	14	iP	10	41	35	
		i	10	41	39	
		iS	10	42	50	
				Micr	Sec	
		PZ		0,02	0,4	
205	14	iP	18	40	04	
		iS	18	40	23	
		eLR	18	40	27	
				Micr	Sec	
		PZ		0.01	0.4	
206	14	e	20	54	30	
		i	20	56	42	
207	15	i!P	02	59	56	
		i	03	00	25	
				Micr	Sec	
		PZ		0,09	0.6	

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Serial No.	Date	Phase	G.M.T.			Remarks
208	June 15	iPKP	15	13	15	
		ipPKP	15	15	28	
		i	15	15	44	
				Micr	Sec	
		PKPZ		0,3	0,7	
		pPKPZ		0,1	2,0	
209	15	iP	22	40	21	Small
		iS	22	40	43	
210	16	iP	02	02	35	D
		iS	02	04	08	
				Micr	Sec	
		PZ		0.4	0.4	
211	16	iP	08	32	54	
212	18	iPKP	01	23	36	
		i(PP)	01	25	25	
				Micr	Sec	
		PKPZ		0.04	1,5	
213	18	i	03	22	27	
214	18	eP	08	55	09	
		eS	08	55	15	
215	18	iP	13	49	37	
		e	13	51	47	
216	18	iP	15	46	19	
217	19	iP!	05	30	28	
		i(pP)	05	30	47	
				Micr	Sec	
		pPZ		0.5	1,5	
218	20	eP	01	12	54	
219	20	iP	17	51	18	C
				Micr	Sec	
		PZ		0.05	0,8	
220	23	iP	05	19	18	
221	25	iP	01	17	38	
		eS	01	22	20	
		eLR	01	24	-	
222	25	eP	02	43	32	
223	25	eP	09	47	28	
		ePPP	09	50	56	
		e	09	53	47	
		eS	09	55	15	
		iSS	09	58	48	
224	25	iP	16	48	14	local
225	26	iPKP	05	50	23	D
		e	05	50	32	
226	26	i(P)	08	51	16	
				Micr	Sec	
		PZ		0.09	1,3	
227	27	iP	07	06	00	
228	28	eiP	17	10	13	
		eS	17	16	49	
		i	17	17	21	
		i	17	17	41	
		iSS	17	18	36	
229	28	iP	17	38	00	
		i(S)	17	38	09	
		i	17	38	18	
		i	17	38	39	
				Micr	Sec	
		PZ		0,12	1,4	
			./.....5			



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Serial No.	Date	Phase	G.M.T.			Remarks
230	June 28	iP	18	44	14	
		i(S)	18	44	23	
		i	18	44	50	
				Micr	Sec	
		PZ		0,1	1,4	
231	28	e(P)	22	05	42	
		e	22	06	19	
232	29	i(P)	07	09	26	
		iS	07	16	01	
		i	07	17	38	
233	29	i(P)	07	09	26	
		iS	07	16	01	
234	29	iP	07	54	17	
		iS	07	55	27	
235	29	iP	19	04	10	local
236	29	iP	23	28	01	
237	30	i!!!P	08	44	33	C
		i	08	45	31	
		i(LR)	08	45	58	
				Micr	Sec	
		PZ		4,5	1,5	
238	30	e(P)	14	47	37	Small
		e	14	47	57	
		e	14	48	47	
		eI	14	49	10	
239	30	iP	18	39	00	
		i	18	39	32	

 A. Shlanger, E. Arie  
 Seismologists.



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JERUSALEM PROVISIONAL READINGS  
 BULLETIN No. 52  
 July 1 → July 31 1958

22.9.58

Serial No.	Date	Phase	G.M.T			Remarks
240	July 2	i	02	06	53	Small
241	2	iP	05	07	04	
		i	05	08	41	
		PZ	Micr	Sec		
			0,03	0,5		
242	2	eP	22	17	17	
		e(S)	22	21	45	
		eLR	22	26	-	
243	3	iPKP	06	46	40	
		ipPKP	06	48	22	
244	4	iP	05	55	00	
		iPcP	05	55	31	
		e(S)	06	03	00	
		LR	06	14	-	
245	4	iPKP1	00	39	14	C
		iPKP2	00	39	22	
246	4	iP	18	46	50	C
		ei	18	48	12	
		e(PP)	18	49	45	
		e(S)	18	57	45	
247	5	iP	23	05	42	Small
		iS	23	06	39	
248	6	e(P)	05	33	05	Small
		iS	05	33	37	
249	7	ei	21	03	59	Small
		i	21	04	21	
250		i	19	04	21	
251	8	e	00	27	22	
252		eP	02	25	16	Small
		e(S)	-	27	25	
253		i(P)	06	26	22	
254		e	08	26	24	
254 a		iP	23	00	13	D
		PZ	Micr	Sec		
			0,14	1,2		
255	9	iP	01	20	42	



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Serial No.	Date	Phase	G.M.T			Remarks
256	July 9	iP	15	32	59	local
257	10	iP iS	00 -	23 24	20 45	
258		iP*	14	32	01	blast ?
259	11	i(PKP) i i(PP)	19 19 19	29 30 30	02 02 12	
260	13	iP <del>iS</del>	20 20	51 54	12 04	Small
261	14	iP eIS i	01 01 01	43 44 45	31 51 21	Small
262	15	iP iS L  PZ	07 07 07	06 07 08	26 10 05	
				Micr 0,03	Sec 0,5	
263		iP iS  PZ	08 08	01 03	46 36	
				Micr 0,04	Sec 0,5	
264		iP	16	39	12	local
265	16	iP	10	46	36	
266		i	13	14	17	
267		iP iS L  PZ	18 18 18	15 16 17	13 38 03	
				Micr 0,01	Sec 0,6	
268	17	i	04	34	37	blast ?
269		iP iS	05 05	40 41	15 02	
270		iP  PZ	21	12	35	C
				Micr 0,04	Sec 1,0	
271	18	i i(PP)	00 00	52 53	31 00	
272		i	03	11	06	very small
273		iP ePcP	21 21	49 50	51 27	C
274	19	ei	06	48	24	
275		eP	15	09	43	
276		i	15	59	27	blast ?
277		iP	17	36	20	

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Serial No.	Date	Phase	G.M.T			Remarks
278	July 19	i(PKP)	18	30	09	
		i(PP)	18	34	00	
279		i	19	08	28	
280	20	iP	12	26	12	local
		PZ		Micr 0,02	Sec 0,4	
281		iP	12	32	13	
		PZ		Micr 0,04	Sec 0,5	
282	21	iP	07	37	25	
		iPcP	07	37	37	
		(L)	08	14	-	
		Lmax.	08	20	-	
		PZ		Micr 0,27	Sec 1	
283		iP	14	50	27	
		ePP	14	54	03	
		Lmax.	15	38	-	
284	22	iP	06	41	30	C
		PZ		Micr 0,03	Sec 0,6	
285		i(PKP)	19	42	09	D
286		iP	20	00	41	Small
287	23	i	10	35	04	blast ?
288		iP	10	40	06	
		iPP	10	43	27	
		eS	10	50	47	
289	24	i(P)	05	18	05	
		PZ		Micr 0,02	Sec 0,5	
<del>290</del>	26	iP	06	25	15	
		e(PP)	06	28	05	
		L	06	51	-	
291		iP	15	56	16	Small
		iS	16	00	46	
		PZ		Micr 0,02	Sec 0,8	
292		iP	17	50	36	
		iPP	17	54	19	
		i	17	50	21	
		iPPP	17	56	20	
		i	17	57	17	
		i(s)	18	01	23	
		i	18	04	50	
293		iP	18	47	46	In the prece-
		i	18	49	08	ding shock
		PZ		Micr 0,01	Sec 0,4	



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Serial No.	Date	Phase	G.M.T.			Remarks
294	July 27	iP i	00 00	40 41	56 13	D
295		i	09	55	39	
296		iP	14 14	45 46	45 36	
		PZ		Micr 0,6	Sec 0,5	
297		e(P) ei(PP) i(PPS)	17 17 17	17 20 29	45 42 46	
298	28	iPKP i	17 17	43 45	30 30	C
		PZ		Micr 0,09	Sec 0,7	
299		iP i(PP) e	21 21 21	41 44 45	59 24 23	D
		PZ		Micr 0,02	Sec 0,5	
300	29	iP	04	18	44	C
301		eP	11	09	18	
302		iP i L	21 21 22	47 48 13	56 04 -	D
		PZ		Micr 1,5	Sec 2,5	
303	30	iP i (L)	02 03 03	59 00 33	38 14 -	D
304		iP	14	51	15	Small, local
305		e	15	30	01	
306	31	i	16	48	19	olast ?

Elie Ariè

Seismologist



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JERUSALEM PROVISIONAL READINGS  
BULLETIN No. 53  
August 1958

Serial No.	Date	Phase	G.M.T.	Remarks	Serial NO.	Date	Phase	G.M.T.	Remarks
307	1	i iP i e(s) PZ	07 56 31 37 57 04 58 03 micr sec 0,12 0,6		323	7	e e	05 16 53 25 54	
308		i(PKP)	12 10 22		324	8	iP iS	21 11 35 41	Very Small Local
309		i	14 16 08 20 00		325	9	(iP) (eL)	13 01 00	
310		iP	21 19 00 20 00		326	10	e(P) i	19 56 56 57 38	
311		eP	22 11 14		327	12	iP iS	02 15 05 26	Small Local
312	2	e(P) eS	01 30 32 31 31		328		iP eIS PZ	15 56 02 06 Micr Sec 0,01 0,3	Local
313		(eP) eS	02 08 42 09 38	Small	329		iP i iPPP iS i L	19 37 58 38 47 43 47 48 56 49 27 20 08 -	D
314		eP eIS	02 13 13 14 17				PZ MZ	Micr Sec 0,13 1,0 11 21	
315		i	09 48 24		330	13	iP	04 03 24	D
316		e(P) e(S)	14 11 52 12 55		331		iP e(s)	07 38 53 43 57	
317		e	21 00 12				PZ MZ	Micr Sec 0,03 0,7 3,7 9,0	
318	3	i!PKP iPP iPKS	01 25 08 27 17 28 43		332		i	11 54 03	
319		eP i(s)	04 38 55 42 03		333		(iP) i	15 48 12 49 16	
320		iP i	12 17 54 12 18 20		334		e	17 52 25	
321	5	iP i PZ	14 35 24 33 Micr Sec 0,14 0,3	Local	335		iP	20 25 57	D
322	6	iPKP i(PKS)	21 29 00 32 40		336	14	i	10 04 54	C



Serial No.	Date	Phase	G.m.T	Remarks	Serial No.	Date	Phase	G.M.T.	Remarks
337	14	iP i(S) i (L)	11 29 25 30 41 31 18 32 -	C	349		e(P) i(S)	22 18 40 20 53	(*)
		PZ MZ	Micr Sec 0.01 1,2 50 7,5		350	17	eP e	00 11 00 41	
338		i	15 08 05		351		iP i	02 06 52 07 28	Replica
339		iP i i(S) i L	15 28 44 29 50 30 40 31 43 32 11	C	352		eP iPP eS	03 40 12 32 42 45	Small
		PZ MZ	Micr Sec 1,4 1,3 10 3,5		353		eP e(PP) (eS)	03:50 02 56 52 23	Replica
340		i(P) i	22 31 52 37 00	C	354		e(P) i	05 00 46 03 16	Replica
341	15	eP eFKP i(PP) i(PPP)	04 26 00 29 00 32 00 33 22		355		e(P) i(S)	06 49 24 52 26	Replica
342		i!P i! ePP (eS) L	20 07 40 48 10 59 17 54 27 -	D	356		ei	08 59 55	
		PZ	Micr Sec 0,46 1,5		357		i iP	09 21 24 27	
343		iP i i!(PP) iPKS i	22 41 33 45 45 45 48 05 49 15	D	358		(eP) (eS)	18 48 08 50 05	Replica
		PZ	Micr Sec 0,87 1,6		359		i	21 30 36	C
344	16	i	11 33 20		360	18	iP	19 12 10	
345		i	12 37 02		361		iP iS iL	23 55 36 57 04 57 48	D
346		i(P) iPP (L) M	13 30 43 34 34 14 17 - 21 53		362	19	eP ePP ePPP i(S) L	15 57(35) 58 30 (50) 16 01 26 04 -	
347		eP e!PP iPcP e!S iSS iL	17 11 31 12 23 14 45 15 37 16 20 18 47		363		i	16 12 01	
348		i!P i(PP) (iS) L	19 16 03 16 54 17 55 19 -	C	364		i	19 27 50	
		PZ SZ	Micr Sec 0,33 1,0 54 4		365	20	e i	01 52 41 54 25	
					366		eP iPKP i	03 59 22 04 01 36 02 49	
					367		iP iS L	06 00 14 01 44 02 -	
					368		PZ	Micr Sec 0,02 0,6	
					(* Replica from the preceding earthquake . t				



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Serial No.	Date	Phase	G.M.T.	Remarks	Serial No.	Date	Phase	G.M.T.	Remarks
369	20	e	17 55 00		381	26	e	01 44 09	
370	21	iPKP <sub>1</sub> iPKP <sub>2</sub> i	01 28 53 29 02 29 18		382		i	14 21 02	blast?
371		iPKP <sub>1</sub> iPKP <sub>2</sub> i i	04 23 18 28 37 48		383		ePKP iPKS	18 14 36 18 04	
372		e i ei	11 49 52 51 10 52 07		384		eP eis	21 48 41 51 11	Small
373		i i(PKP) i i i	21 18 22 27 56 19 28 22 00		385		iPKP eP iPKS	23 50 39 53 08 54 06	
374	22	iP i(S) i	11 20 53 21 02 23 58		386	27	iP	13 21 09	D
375		iP	14 19 42		387		iP iJ LR	15 19 21 21(45) 23 25	C
376	23	iP	06 45 11	C			PZ	Micr sec 0,04 0,6	
377	24	eP iS	08 05 44 08 43		388		eIP e(S)	20 07 23 12 26	Small
378		iP i(PcP)	17 06 05 43	D	Seismograph blocked from August 28th, 8.49 p.m. till " 30th, 11 54 a.m.				
379	25	iP i i(S) i	04 07 13 08 17 10 38 12 03		389	31	iP iPP	23 12 26 15 46	
380		eP i i	22 36 01 52 08 10		390		iP i	23 46 39 48	
					Elie ArieH Seismologist				



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JERUSALEM PROVISIONAL READINGS  
 BULLETIN No. 54  
 September 1958

Ser. No.	Date	Phase	G.M.T.	Remarks	Ser. No.	Date	Phase	G.M.T.	Remarks
391	1	iPKP	01 17 00		406	7	iP	03 19 10	small
392		i	09 49 17	blasts?			e	56	
		i!	35				(eS)	21 55	
		i!	40				ei	22 21	
		i!	43		407	8	iP	05 37 59	D small
393		iP	15 40 20				i	38 15	
		ipP	41 54				iPP	41 02	
							iPPP	42 58	
394	2	eP	01 15 57		408	9	iP	00 20 55	small
		iS	18 15				iS	21 17	
395		eiP	03 08 39						was not recording from
		e	10 58						9.9 - 11 11 00 till
396		iP	04 10 05	small					13.9 - 16 30 00 due
		eS	12 00						to a damagl in the
									seismograph .
397	3	eiP	01 36 26		409	14	iP	14 32 01	D
		iPP	37 13				i	05	
		iPPP	19				eiPP	34 19	
		eS	39 45				eiPPP	35 39	
		iS	40 28				e(S)	40 59	
		L	41 -						Micr Sec.
398		iP	03 00 06				PZ	0,3 1,3	
		eS	01 45		410		iP	21 40 50	C
399		iP	03 53 54	D small			i	57	
		ei(PeP)	54 01						Micr Sec
		L	04 15 -				PZ	0,3 1,3	
400		iP	08 22 09	D	411	15	iP	19 57 14	D
401	4	iP	00 04 21	small			i	21	
		i	50				ipP	59 36	
		iS	05 57				eS	20 06 53	
402		iP	02 52 25	small					Micr Sec
		i	53		412	16	eP	14 27 12	
		e(S)	53 59				(L)	34 44	
403		iP	10 26 06	local, small			M	39 35	
									Micr sec
404		iP	11 39 59	local, small	413		PZ	5,5 7	
							eiP	18 23 17	small
405		iPKP	22 09 20				iS	24 57	
		iPP	10 34		414	18	i	12 55 08	blast ?
		e(PeS)	12 19		415		iP	13 54 28	
		i(PeS)	20 37				iS	33	
					416		e(r)	14 52 37	obscured by micro-seisms .



Ser. No.	Date	Phase	G.M.T.	Remarks	Ser. No.	Date	Phase	G.M.T.	Remarks
417	18	iP i i	20 58 56 59 00 48	C	437	26	ei(P) e(S) (L)	07 26 36 29 08 31 35	
418	19	e ei	20 50 00 51 33		438		i i	13 52 24 35	
419	20	i(P)	10 45 39		439		eiP i i(S) i	23 53 58 54 02 56 00 25	small
420		i(P) iS	12 43 40 45 15	small	440	27	iP i i	07 48 10 16 23	
421		iPKP	17 29 32		441		iP	12 49 29	
422		iP	20 41 06,5	small, local	442		iPKP i	14 14 35 36	C
423	21	i(P)	05 57 37	C	443		iP i(S)	20 25 06 44	small, local
424		eiP i(S) i i	13 12 20 14 32 16 05 18 57		444	28	iP i(P) i(S) i	12 39 29 40 48 43 53 44 19	small
425		eP iPP iS L	16 21 02 51 23 43 26 -		445		e	15 28 43	
426	22	iPKP iPKP <sub>2</sub> i iPP	19 25 33 41 27 48 29 20	D	446	29	iP iS	00 10 15 11 28	small
427	23	iP iS	02 16 16 17 05	very small	447		i	00 23 38,5	C
428		iP iS	02 20 46 21 34	" "	448	30	iP	14 01 52	small, local
429	24	ei(P) iPP eS	03 57 11 04 00 50 08 17						
430		iP	08 00 00	local, very small					
431		eP iS	09 05 22 07 10	small					
432	25	iP iPP iPP eiS L	07 31 33 47 35 08 41 40 55 -						
433		iP iS	08 33 18 34 12	small					
434		iP	11 53 37	local, small					
435		iP iS	13 08 05 09 02	small					
436		i	15 35 33						

Blie Arie  
Seismologist



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JERUSALEM PROVISIONAL READINGS  
 BULLETIN No. 55  
 October 1958

Ser. No.	Date	Phase	G h	M m	T s	Remarks	Ser. No.	Date	Phase	G h	M m	T s	Remarks
449	1	iF iS	09	33	50 34 19	small	464	9	iP i(S) L	13	33	52 35 24 36 00	
450		eFKP eFF	09	48	47 51 04		465	10	iP i i	08	42	42 43 08 16	D
451		i(F) (L)	11	00	48 05 -		466		i i i	09	57	26 38 58 03	blasts ?
452	2	iP	15	13	39		467	11	iP i(PCP)	02	12	59 13 03	D small
453	3	iP i e(PPP) PZ	00	45	08 38 50 00 0,04 0,5	D	468		eiP iS	05	27	56 29 10	
454	4	iP i iS i	02	39	44 40 10 41 12 32	small	469	12	iP iS	06	37	09 28	local small
455		ieF	10	45	31	v.small	470		iP iPP i iPP F	15	30	10 31 11 28 33 11	C F
456	6	e iFKP iFKP2	01	06	38 44 52		471	14	iP	09	18	52	
457		iP i i(S) i(PCP) i	09	33	22 49 36 40 38 35 39 08		472	15	i	13	42	11	
458		iP i	19	05	05 10		473	16	iP iS	22	30	14 28	C local small
459	7	iP iS	14	27	04 10	D , local small	474	19	(e) ei(FKP) i e	02	12	12 1 13 57 14 04 17 34	
460		e(PKP) ei(FF) e e	12	51	24 53 52 28 52		475		iFKP i i	12	02	35 39 03 10	
461	8	(eF) i(S) L	03	32	11 35 05 36 12	small	476	20	iP iPP iPP eS L M	01	25	03 24 28 18 35 32,5 56 - 02 05 23	
462		e(PKP)	15	58	12								
463	9	(eP) iPP iPPP e(S) ePPS L	11	34	27 38 21 40 30 44 57 47 40 12 14 45		477		PZ MZ iP iS	0,1 5,4 15 01 38	0,8 18		local small



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Ser. No.	Date	Phase	G h	M m	T s	Remarks	Ser. No.	Date	Phase	G h	M m	T s	Remarks
478	21	iP iS	01	20	55 21 30	v.small doubtful	495	27	eiP i iSn iSb	22	26	12 30 27 28 54	small
479		i!P iS L	10	24	37 25 18 26 03	small	496	28	iP ePP iPcP iPPP (L) M	10	54	23 55 48 56 08 22 11 04 14 54	
480		iP	15	53	16								
481		iPKP iPKP <sub>2</sub>	17	52	37 45	C							
482	22	i!P iS iL PZ	13	02	43 03 25 04 08 0,04 0,6	C Micr. Sec.							
483	23	i i	00	02	07 04 51	4	497	29	i	00	20	25	
484		iP i(S)	06	44	49 47 07		498		iP iPP	07	57	14 08 00 51	
485		iP i i iSn iSb L PZ SZ	15	45	11 54 46 40 47 43 48 01 49 - 1,8 2,5 8 3	Micr. Sec.	499		iP	09	20	38	small
486		ei	17	05	03		500	30	iP e	07	58	45 08 05 28	
487		i	20	15	50		501		i(P) e	10	24	46 25 38	C small
488		i!P iS PZ	21	46	30 47 49 0,02 0,4	D Micr. Sec.	502		i	11	56	55	
489	24	iP	21	26	05		503	31	i(P) (e)	02	52	48 58 00	small
490		iP iS	23	31	38 33 15	v.small	504		iP i	23	50	58 51 24	small
491	25	eP i iS i	07	29	18 44 31 20 30	small							
492	26	i!P i	02	29	44 30 10	D							
493		eiP i iSn iSb iSg	12	42	52 43 32 45 10 20 48								
494	27	i	18	29	18	D							

Elie ArieH

Seismologist



STATE OF ISRAEL  
MINISTRY OF DEVELOPMENT  
GEOLOGICAL SURVEY  
GEOMORPHOLOGY & SEISMOLOGY DIVISION

Hebron road , Jerusalem , Israel .



JERUSALEM PROVISIONAL READINGS  
BULLETIN No. 56  
November 1958

No.	Date	Phase	G h	m m	T s	Remarks	No.	Date	Phase	G h	m m	T s	Remarks
505	1	i	03	58	16		6						
506		iPKP	12	35	52		cont.			31	00		
		iPP		38	36					54	00		
		iPKS		39	25					micr. sec.			
		ePPP		44	03				PZ	26,1		3	
507		iP	19	59	24				SZ	100		9	
508	2	i	09	21	57		523	7	i	00	05	52	Kurile I. after shock
509	3	iP	14	39	29	C	524		iP	00	07	59	"
510		iP	18	27	51		525		iP	00	14	34	"
		iS		28	48	C	526		iP	00	24	51	"
511		iP	21	09	00	C	527		iP	00	35	47	"
512	4	e	05	11	33	traces	528		iP	00	38	58	"
		e		19	14				i		41	12	"
513		eP	08	43	45		529		i	00	47	25	"
		ePP		47	12		530		iP	00	48	35	"
514		iP	12	28	51		531		i(P)	00	50	14	D "
		PZ	micr. sec.						i			31	"
			0,03		0,6				i			39	"
515		iPKP	23	14	36		532		iP	00	51	49	"
516	5	(L)	00	16	-	large surface waves	533		iP	01	05	37	"
517		iP	00	21	34	v. small	534		iP	01	14	24	"
		iS		22	55				i(PP)		17	19	"
518	6	iP	01	18	56	v. small,	535		iP	01	26	09	"
		iS		19	04		536		iP	01	55	21	D "
519		i	14	47	26		537		iP	02	07	59	"
		iP		49	17		538		i(P)	02	36	54	D "
		iS			48		539		iP	02	43	04	D "
520		iP	14	54	21				i			17	"
		iS		55	16		540		iP	02	48	05	"
521		i!P	21	15	27	D			i		50	27	"
		iS		16	31		541		iP	03	03	13	D "
522		i!!!P	23	10	24	D			i			27	"
		i		12	09		542		iP	05	12	14	"
		iPP		13	17	Kurile Island							
		iPPP		17	10								
		i		19	50	magn. 8-							
		i!S		20	47	8 1/4							
						(U.S.C.G.S)							

cont.



No.	Date	Phase	G h	M m	T s	Remarks	No.	Date	Phase	G h	M m	T s	Remarks
543		iP i	07	52 53	59 49	Kurile I. after shock	565		iP iS	15	09	34 38	
544		i	08	08	03	"	566	12	i!P i iS	20	35 36	57 39	Kurile I, "
545		iP	08	41	53	"			iS		46	18	
546		iP i(PP)	10	39 41	51 38	D "			iS LQ M		56 21	29 17	
547		iP i(PPP)	11	36 43	45 25	D "			PZ MZ	15,4		3,0 19	
548		i(P) i	14	27 36	59 57	"	567		iP	23	12	07	Kurile I, after shock
549	7	iP	16	29	04	"	568	13	iP	03	08	56	"
550		iP i	17	45	03 54	D "	569		i!P	04	17	06	D "
551		iP	19	26	54	"	570		eP i	16	26	24 52	C
552		e(P) i! i	20	43 46	19 05	"	571		eP eIS	22	50 51	40 28	v. small
553	8	i!P i(pP) i L M PZ MZ	09	35 38 10 17	15 42 29 - 55	D	572		iP	23	10	10	
							573		eP	23	24	38	
							574		iP e(S)	23	32	03 52	
							575	14	iP	05	24	04	D
554		i	10	32	22		576		iP i	05	47	20 34	
555		eP i	11	29	03 13		577		eIP ei(pP) iPP e	14	02	04 35 04 15	
556		iP	12	20	51	D	578	15	iP iPP iPPP iS	05	45 45 46	38 49 07 52	
557		eP	13	07	55		579		iP i(pP) eS	09	13	15 48 10	
558		i i	14	04 06	45 05		580		i(PKP)	19	34	55	
559		iP	19	46	24		581		iP i	23	32	46 54	
560	9	iP	03	27	08	C	582	16	iP i(S)	04	44 45	06 36	small
561		iP i(S) PZ MZ	14	41 1,0	09 16 1,0		583		iP i	04	59 05	59 11	" "
562		iP i(PcP)	18	05	24 35		584		iP iS	05	22 23	18 39	" "
563		iP i(PcP)	21	17	15 30								
564		iP iS	22	25 36	31 36	D, v. small							







STATE OF ISRAEL ;  
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JERUSALEM PROVISIONAL READINGS  
 BULLETIN No. 57  
 December 1958

Ser. No.	Date	Phase	G h	M m	T s	Remarks	Ser. No.	Date	Phase	G h	M m	T s	Remarks
614	2	iP i	01	24 25	50 05	D	628		e	11	20	45	traces
615		iP eIS PZ	16	12	27 29		629		iP i(S)	12	33	15 24	local small
				micr.	sec.		630		iP iS	17	25 26	19 45	
				1,2	0,4		631		iP iS	23	04 05	30 58	v. small
				From 2. to 13. not recording regularly due to basic repairs .			632	20	iP	00	03	34	
616	13	iP	21	59	28	obscured by microseisms	633		iP iS	01	04 05	06 33	small
				microseisms from 13/12-1800 to 15/12-0400 mean amplitude A=0,06 micr. " period T=1,5 sec.			634		iP i(S)	06	42	04 43	small local
617	15	iP	02	05	08	small obscured by microseisms	635		iP iS	07	53 54	59 37	small
618		iP i(S)	14	46	30 32	small , local	636		i	07	59	16	
619	16	i(P)	15	09	02		637		iP	19	32	39	
620		i i	21	46	33 50		638		iP	21	25	41	D
621	17	i	16	46	14		639	21	iP i	04	22 27	16 49	
622	18	(eP) iS	03 04	58 00	46 15	small	640		iP iS	05	53 59	42 45	C
623		i(P) i i(PP) iPPP i i(S)	07	37 38 39 41 44 47	27 09 18 52 40 16	C	641	22	iP iS	03	17 19	46 12	
624		iP iS	23	08 10	30 0,2	D...small	642		iP i	19	40	46 57	
625		i(PKP) i	19	43 44	48 32	D	643	23	i(PKP)	03	50	17	
626	19	iP iS	03	29 30	18 45	D	644		iP i i	19	35 40 54	57 31 50	D
627		e	10	09	10	traces	645		iP eS	20	39 41	57 11	
							646		iP iS	23	37 38	18 29	C
							647	24	iP	00	08	48	C
							648		iP iS	07	18 19	46 59	C



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Ser. No.	Date	Phase	G h	M m	T s	Remarks	Ser. No.	Date	Phase	G h	M m	T s	Remarks
649		eP iS	14	32 33	38 52	small, local	661		iP i	22	49	15 49	
650	25	i(PKP) iPP	08	24 25	19 21		662		e(PKP) i	08	57	43 52	
651		iP iS	18	28	06 12	small local	663	30	eiP	16	58	10	
652		iP i e(S) e	18	37 39 43 45	27 18 10 38	C	664		iP i(S)	16	20 21	31 38	
653		iP iS	21	07 08	54 06	C, local	665	31	i!(P) i! i	02	04 06 07	56 30 11	C
654	26	iPKP	06	09	50	C	666		e i	03 04	59 00	40 36	
655		iP i	21	40 44	58 11		667		eP i	10	43	16 29	
656	27	iP	03	32	57								
657		e(L)	04	43	36	traces							
658	28	iP iPPP i(S) LQ i(M)	05	41 43 47 50 00	58 31 08 56 30	D							
659		e e	20	17	04 25								
660	29	iP iS	00	16 18	54 20								

Elie Arieu

Geom. &amp; Seismology Division.