

Jordan Seismological Observatory
Preliminary Earthquake Catalogue for 2019
Local Earthquakes

No	Year	Month	Day	Hour	Min	Sec	Lat N	Long E	Depth	ML	Mw	Intensity	Stations	Azm	Dist	RMS	Region	Remarks
1	2019	1	3	13	6	35	33.3488	35.606	3	2.1	2.2		21	246	11	0.5	Roum, Lebanon	
2	2019	1	7	23	55	7	30.1015	32.4195	20	2.9	2.8		32	292	198	0.3	Gulf of Suez	
3	2019	1	11	2	13	26	32.1235	36.9412	2	1.6	1.9		15	135	11	0.4	Azraq	
4	2019	1	12	23	25	47	34.7018	33.111	12	2.5			14	224	44	0.9	Cyprus Region	
5	2019	1	13	21	36	41	35.529	32.498	60	2.5			23	317	66	0.3	Cyprus Region	
6	2019	1	15	15	59	56	29.4495	34.806	3.8	3.9	3.9		42	248	33	0.5	Eilat Deep, Gulf of Aqaba	
7	2019	1	16	18	8	0	32.17	35.5635	15.8	2.1			21	73	11	0.2	Jordan Valley	
8	2019	1	16	18	19	54	32.012	35.5342	21	2.4			25	73	0	0.3	Jordan Valley	
9	2019	1	18	20	42	21	35.379	32.9553	60.1	2.8	2.6		20	331	319	0.7	Cyprus Region	
10	2019	1	19	14	57	53	33.7678	32.2093	40		3		32	246	165	0.5	Eastern Mediterranean Sea	
11	2019	1	23	5	33	58	32.8435	35.6054	5.2	2.3	2.3		18	89	22	0.4	Tiberias	
12	2019	1	23	21	48	11	32.8427	35.5638	5.4	2.5	2.4		21	77	22	0.3	Tiberias	
13	2019	1	24	20	4	59	32.7859	35.2908	4.2	3.5	3.3		32	107	11	0.3	Galilee	
14	2019	1	28	18	44	29	28.8982	33.0944	1	3.4	3.3		22	308	187	0.3	Gulf of Suez	
15	2019	1	28	21	37	10	35.008	34.126	40	3			37	219	77	0.7	Cyprus Region	
16	2019	1	31	6	25	54	32.853	35.5736	2.7	2.2			17	103	22	0.3	Tiberias	
17	2019	1	31	11	43	20	32.8628	35.5198	2.3	2.9			14	87	22	0.2	Northwestern Tiberias	
18	2019	2	4	11	41	30	34.9066	33.7044	30	2.6	2.7		17	230	33	0.4	Cyprus Region	
19	2019	2	5	4	59	58	31.7444	35.4853	13.1	2.7			18	103	22	0.4	Dead Sea Basin	
20	2019	2	8	0	48	39	34.5307	33.8794	30	2.9			29	163	44	0.7	Cyprus Region	
21	2019	2	9	16	49	25	35.0039	34.1534	40	2.3			20	236	77	0.4	Cyprus Region	
22	2019	2	12	2	9	10	31.5294	35.809	6.3	2.7	2.5		39	68	33	0.3	East of Dead Sea	
23	2019	2	13	13	29	17	32.4921	34.6608	11.2	2.2			21	223	33	0.3	Palestine Coast	
24	2019	2	14	2	28	31	34.8345	33.9549	55	2.6			13	212	55	0.8	Cyprus Region	
25	2019	2	17	0	24	9	34.6847	34.4089	52	2.8			31	310	187	0.5	Cyprus Region	
26	2019	2	17	20	34	30	31.6095	35.5689	1.8	1.9			18	62	22	0.2	Dead Sea Basin	
27	2019	2	17	23	0	12	32.1485	35.4548	1.6	2.1	2.1		28	44	11	0.3	Carmel	

28	2019	2	21	12	15	16	33.3317	35.0949	4.2	2.2	2.1	16	270	33	0.6	Southern Lebanon
29	2019	2	21	12	20	21	33.3076	35.105	7.3	2.2	2.1	9	263	55	0.1	Southern Lebanon
30	2019	2	28	19	56	38	24.0183	35.2192	1	2.9	3	12	352	616	0.2	Red Sea
31	2019	3	3	7	51	35	30.4811	35.3332	10.1	2.1	2	13	89	33	0.1	Wadi Araba
32	2019	3	4	23	12	46	35.7612	35.5646	18.3	3		38	266	220	0.9	Near Coast of Syria
33	2019	3	6	21	32	52	35.14	32.75	40	3.6		20	325	319	1.4	Cyprus Region
34	2019	3	12	21	34	30	33.2373	35.7735	5	2.1		21	262	11	0.4	Yammouneh
35	2019	3	13	0	13	47	35.1311	34.0201	40	2.3		21	261	77	0.4	Cyprus Region
36	2019	3	13	8	12	52	28.2771	32.8861	30	2.6	2.6	9	343	231	0.4	Gulf of Suez
37	2019	3	14	8	46	53	30.132	35.1933	5	2.2	2.1	13	117	11	0.9	Wadi Araba
38	2019	3	18	15	8	47	33.2131	36.0994	11.2	2	2.1	19	204	33	0.3	Wadi Sirhan Fault Zone
39	2019	3	18	21	18	28	34.6801	32.6102	15	3.4		33	273	66	0.6	Cyprus Region
40	2019	3	18	23	8	30	33.8375	35.6804	1	2.3		19	286	66	0.7	Yammouneh
41	2019	3	19	21	58	3	34.7227	32.7723	5	2.5		12	265	55	0.6	Cyprus Region
42	2019	3	27	6	23	3	33.3748	34.6222	4.1	2.4	2.3	24	283	55	0.5	Eastern Mediterranean Sea
43	2019	3	27	21	37	25	34.7011	32.7066	8	3.9		18	320	253	0.8	Cyprus Region
44	2019	3	31	20	24	51	34.5894	33.8301	27	2.4	2.3	22	177	66	0.5	Cyprus Region
45	2019	4	3	0	38	5	33.5197	35.9103	1	2.2		11	255	44	0.7	Yammouneh
46	2019	4	15	20	10	59	36.2188	36.0305	10	3.1		12	179	154	0.5	Turkey-Syria Border Region
47	2019	4	16	3	8	59	29.2824	34.8852	8.4	2.3	2.2	10	293	22	0.2	Eilat Deep, Gulf of Aqaba
48	2019	4	18	6	22	0	30.4258	35.2164	12.3	2.8	2.7	22	72	11	0.2	Wadi Araba
49	2019	4	22	17	25	45	33.398	35.6448	1	2.9	3	19	250	22	0.3	Roum, Lebanon
50	2019	4	22	21	28	28	32.8385	35.5531	6.5	2.2	2.1	13	101	22	0.5	Tiberias
51	2019	4	27	5	8	59	34.3267	36.2839	1	2.1		9	310	132	0.4	Yammouneh
52	2019	4	27	5	20	51	34.2013	36.1324	1	3.1	2.9	28	204	143	0.3	Yammouneh
53	2019	4	29	12	7	26	34.2392	36.0939	1	3.9	3.8	23	280	110	0.6	Yammouneh
54	2019	5	3	12	51	52	34.9122	32.8701	40	2.6						Cyprus Region
55	2019	5	13	13	25	9	32.1189	35.3615	20	2						West of Jordan Valley
56	2019	5	6	13	27	51	33.0034	35.0144	1	2.2						Coast of Palestine
57	2019	5	7	23	9	58	34.9168	34.2191	20	2.4						Cyprus Region
58	2019	5	12	6	4	56	29.1939	34.8555	2	2.5						Eilat Deep, Gulf of Aqaba
59	2019	5	13	6	52	56	30.7628	33.7189	1	2						Sinai
60	2019	5	15	2	54	21	28.7275	34.5625	2		2.7					Aragonese Deep, Gulf of Aqaba

61	2019	5	15	16	53	49	32.7707	32.8244	15	4.5	Eastern Mediterranean Sea	Felt
62	2019	5	16	0	40	41	32.8741	34.1266	20	2.1	Eastern Mediterranean Sea	
63	2019	5	16	16	46	33	33.8181	36.0255	2	2.1	Yammouneh	
64	2019	5	16	23	23	12	34.4424	34.7071	10	2.3	Eastern Mediterranean Sea	
65	2019	5	17	0	46	1	31.4395	35.4786	12	2.3	Dead Sea Basin	
66	2019	5	17	14	2	8	29.8033	35.0628	14	2.1	Wadi Araba	
67	2019	5	21	15	5	45	27.0659	34.6009	2	3.9	Northern Red-Sea	
68	2019	5	25	8	50	45	30.7903	35.2819	20	2.3	Wadi Araba	
69	2019	5	25	8	56	55	30.808	35.261	25	2.2	Wadi Araba	
70	2019	5	27	2	5	30	31.4221	35.3544	4	2.2	Dead Sea Basin	
71	2019	5	27	3	11	11	29.6341	34.1355	2	2.4	Sinai	
72	2019	5	27	9	49	29	33.7309	32.0699	31	2.9	Eastern Mediterranean Sea	
73	2019	5	31	0	9	54	33.8411	34.3655	40	2.1	Eastern Mediterranean Sea	
74	2019	6	2	10	36	12	30.0459	34.5	12	2.1	East Sinai	
75	2019	6	2	13	50	47	30.5589	35.2291	15	2	Wadi Araba	
76	2019	6	2	20	14	25	32.6314	34.2756	20	2.1	Eastern Mediterranean Sea	
77	2019	6	3	2	6	22	35.9531	33.8319	8	3	Eastern Mediterranean Sea	
78	2019	6	4	7	17	30	32.2959	34.1149	30	2.2	Eastern Mediterranean Sea	
79	2019	6	4	23	13	58	34.6341	33.3877	20	2.3	Cyprus Region	
80	2019	6	9	20	14	53	33.8165	35.1173	12	2.2	Eastern Mediterranean Sea	
81	2019	6	10	7	6	49	27.8429	33.4099	10	2.7	Gulf of Suez	
82	2019	6	11	6	58	26	30.5791	35.3779	12	2.2	Wadi Araba	
83	2019	6	14	8	57	18	33.7358	35.808	1	2.3	Yammouneh	
84	2019	6	14	15	27	49	33.4988	35.7827	1	2.3	Yammouneh	
85	2019	6	15	7	13	6	35.0237	34.3422	15	2.4	Cyprus Region	
86	2019	6	15	23	6	52	28.5302	34.9217	4	3	East Gulf of Aqaba	
87	2019	6	19	18	36	5	33.7992	35.8611	1	2.1	Yammouneh	
88	2019	6	25	16	21	21	29.3215	32.6918	1	3.6	Gulf of Suez	
89	2019	6	26	7	9	50	27.4208	34.5301	1	3.6	Northern Red-Sea	
90	2019	6	26	7	11	12	27.5612	34.2102	1	3.5	Northern Red-Sea	
91	2019	6	26	8	53	42	31.1611	35.4944	5	3.9	Dead Sea Basin	
92	2019	6	26	8	57	18	31.1739	35.4834	8	2.5	Dead Sea Basin	
93	2019	6	26	9	1	54	31.1657	35.5352	8	3.3	Dead Sea Basin	

94	2019	6	26	9	6	24	31.1571	35.5106	3	3		Dead Sea Basin
95	2019	6	26	9	35	50	31.1533	35.5103	6	2.1		Dead Sea Basin
96	2019	6	26	10	37	0	31.2037	35.4952	15	2		Dead Sea Basin
97	2019	6	26	12	18	37	31.1519	35.5184	5	2.2		Dead Sea Basin
98	2019	6	26	12	20	20	31.1548	35.5229	4	3.4		Dead Sea Basin
99	2019	6	27	3	51	32	28.9875	34.6995	1	2.3		Aragonese Deep, Gulf of Aqaba
100	2019	6	27	8	21	18	29.6655	32.5939	1	2.9		Gulf of Suez
101	2019	6	28	9	16	10	32.1261	35.2971	13	2		West of Jordan Valley
102	2019	6	28	19	19	9	28.919	34.6913	2	2.1		Aragonese Deep, Gulf of Aqaba
103	2019	6	29	5	43	18	31.973	35.2013	2	2.8		West of Jordan Valley Felt
104	2019	6	29	6	13	34	29.4384	32.6425	1	2.6		Gulf of Suez
105	2019	6	30	6	15	22	28.887	33.1116	3	2.2		Gulf of Suez
106	2019	7	2	3	43	49	32.2077	35.5237	11	2.4		Jordan Valley
107	2019	7	2	20	54	57	30.0717	32.7682	1	2.6		Suez
108	2019	7	4	4	11	49	29.377	34.8613	3	2		Eilat Deep, Gulf of Aqaba
109	2019	7	4	15	38	10	27.9992	34.6718	30	2.3		Northern Red-Sea
100	2019	7	7	2	38	32	33.3171	35.8357	5	2.5		Rachaiya, Syrian-Lebanon Region
101	2019	7	10	22	25	43	33.8537	36.8087	1	2.7		Palmira
102	2019	7	13	16	52	57	34.7713	33.0642	7	2.7		Cyprus Region
103	2019	7	18	21	56	11	33.0757	32.289	36	3.1		Eastern Mediterranean Sea
104	2019	7	19	3	19	39	34.9217	32.696	5	3.2		Cyprus Region
105	2019	7	24	3	34	59	32.7915	35.2878	14	2		Galilee
106	2019	7	24	3	55	47	34.42	33.4403	6	3.1		Cyprus Region
107	2019	7	25	10	55	31	29.6238	34.8988	23	2		NW Gulf of Aqaba
108	2019	7	28	0	37	51	31.2395	35.5525	12	2.4		Dead Sea Basin
109	2019	7	29	23	12	5	34.9757	33.7667	24	2.7		Cyprus Region
110	2019	8	2	3	16	51	27.3822	34.4051	10	3		Northern Red-Sea
111	2019	8	4	1	57	51	35.4146	33.954	60	3.4		Cyprus Region
112	2019	8	5	11	48	47	30.6348	33.9258	1	2.3		Sinai
113	2019	8	5	19	5	8	33.3909	35.4653	1	2.2		Lebanon
114	2019	8	7	21	8	8	32.8389	35.2221	10	2.2		Galilee
115	2019	8	9	2	24	29	33.3241	35.4405	5	2.7		Lebanon
116	2019	8	9	21	28	8	31.3469	35.3631	12	2		Dead Sea Basin

117	2019	8	12	21	29	49	33.317	35.4439	7	2.2	Lebanon
118	2019	8	15	17	18	55	32.8984	34.9829	23	2.4	Carmel
119	2019	8	15	20	34	47	33.0541	37.2155	1	2.5	Sirhan
120	2019	8	16	2	23	11	34.6401	33.3931	10	2.2	Cyprus Region
121	2019	8	22	22	12	10	33.0632	35.5604	5.2	2.2	Hula-Tiberias
122	2019	8	24	5	30	7	32.9597	35.444	1	1.9	NW Tiberias
123	2019	8	24	8	15	34	32.1345	35.2162	3.3	2.8	Carmel-Faraa
124	2019	8	24	21	0	46	30.7266	35.2699	5.6	2.1	Wadi Araba
125	2019	8	26	9	13	28	33.6378	35.6003	1	2.5	Roum
126	2019	8	29	14	19	40	34.8946	33.975	18	2.7	Cyprus Region
127	2019	9	1	13	16	51	29.9462	34.4083	19.5	2.2	Eastern Sinai
128	2019	9	2	23	28	45	29.0634	34.1636	1	2.8	Sinai
129	2019	9	4	3	44	59	31.1495	35.5163	18	2.7	Dead Sea Basin
130	2019	9	4	19	38	14	33.5933	34.9077	6	2.5	Eastern Mediterranean Sea
131	2019	9	6	0	15	9	32.5533	34.4853	14	2.6	Eastern Mediterranean Sea
132	2019	9	7	2	1	30	29.1754	34.8043	6	3.1	Eilat Deep, Gulf of Aqaba
133	2019	9	13	21	16	9	30.961	35.7053	9	2.1	N. Karak-al-Faraa Fault Zone
134	2019	9	14	16	27	1	33.1183	35.5482	5.9	1.9	Hula-Tiberias
135	2019	9	14	22	4	34	33.3207	34.6964	6	2.2	Eastern Mediterranean Sea
136	2019	9	16	10	35	31	29.9684	34.3763	10	3.5	Eastern Sinai
137	2019	9	17	21	16	29	31.9842	35.2225	1	2	NW Dead Sea Basin
138	2019	9	18	12	32	34	34.55	32.41	48	2.5	Cyprus Region
139	2019	9	24	6	50	39	28.7608	34.6534	1	2.5	Aragonese Deep, Gulf of Aqaba
140	2019	9	26	4	9	36	34.8	33.81	20	2.1	Cyprus Region
141	2019	9	26	6	3	56	35.61	32.32	30	3.3	Cyprus Region
142	2019	10	3	19	18	42	33.1199	35.0654	7	2.2	Eastern Mediterranean Sea
143	2019	10	5	14	10	26	33.3887	35.626	5	2.1	Roum
144	2019	10	6	3	33	20	31.6604	35.5524	12	2	Dead Sea Basin
145	2019	10	6	5	14	59	32.9997	35.6471	2	2.2	Hula-Tiberias
146	2019	10	6	21	18	25	32.7164	35.2584	4	2.1	East Carmel Fault Zone
147	2019	10	7	8	21	28	29.2791	32.4394	4	2.9	Suez
148	2019	10	7	15	39	6	29.7243	34.5659	11	2.1	West Sinai
149	2019	10	7	18	46	15	31.149	35.5323	4.9	2.9	Dead Sea Basin

150	2019	10	8	14	55	39	34.8554	33.8801	10	3.1	Cyprus Region
151	2019	10	10	0	18	29	33.0852	34.394	19	2.3	Eastern Mediterranean Sea
152	2019	10	10	23	30	36	32.4505	35.5449	9	2	Jordan Valley
153	2019	10	14	12	56	29	31.4997	35.5538	8	2.9	Dead Sea Basin
154	2019	10	14	13	19	15	31.5029	35.5554	1	2.2	Dead Sea Basin
155	2019	10	14	15	55	43	31.5059	35.5351	6	3	Dead Sea Basin
156	2019	10	14	16	0	55	31.5096	35.5281	7	2.2	Dead Sea Basin
157	2019	10	14	16	50	25	31.5084	35.5316	8	1.9	Dead Sea Basin
158	2019	10	14	17	54	58	31.5051	35.5241	8	2.2	Dead Sea Basin
159	2019	10	14	21	27	39	31.5083	35.5014	10	1.5	Dead Sea Basin
160	2019	10	18	4	18	43	34.0789	35.9066	3	3	Yammouneh
161	2019	10	18	10	46	6	34.4239	33.4407	10	3.7	Cyprus Region
162	2019	10	21	17	40	51	33.975	35.8108	1	2.5	Yammouneh
163	2019	10	22	21	6	38	34.014	36.9752	1	2.6	Palmira
164	2019	11	1	18	40	41	32.8939	35.5671	2	3.2	Tiberias
165	2019	11	2	21	36	36	29.642	34.9318	11	2.2	Wadi Araba
166	2019	11	4	23	1	7	31.5005	35.518	5	2.1	Dead Sea Basin
167	2019	11	4	23	7	23	31.5003	35.4927	10	2.1	Dead Sea Basin
168	2019	11	4	23	9	10	31.5145	35.4903	13	1.9	Dead Sea Basin
169	2019	11	4	23	13	5	31.508	35.4598	18	1.7	Dead Sea Basin
170	2019	11	5	1	28	5	30.4417	35.2245	17	1.7	Wadi Araba
171	2019	11	6	18	0	27	34.2434	33.5372	10	2.8	Cyprus Region
172	2019	11	7	15	29	2	32.8836	35.8836	1	2.3	Tiberias
173	2019	11	10	5	45	5	29.2786	34.9273	13	2.3	Eilat Deep, Gulf of Aqaba
174	2019	11	11	1	3	19	29.1649	34.8115	10	2.9	Eilat Deep, Gulf of Aqaba
175	2019	11	13	8	25	36	29.2327	34.775	12	2.3	Eilat Deep, Gulf of Aqaba
176	2019	11	16	19	14	14	33.7098	34.8195	9	2.9	Eastern Mediterranean Sea
177	2019	11	19	23	4	27	27.41	34.5963	17	4	Northern Red-Sea
178	2019	11	21	3	31	36	30.6863	35.3033	6	2.1	Wadi Araba
179	2019	11	22	3	47	2	32.1342	35.358	13	2.2	West Jordan Valley
180	2019	11	23	15	44	52	32.8706	35.5894	5	2.2	Tiberias
181	2019	11	24	1	0	18	30.2182	35.2082	10	1.6	Wadi Araba
182	2019	11	24	4	42	2	28.7266	34.872	17	3	Gulf of Aqaba

183	2019	11	25	2	18	38	31.3469	35.5176	12	1.6	Dead Sea Basin
184	2019	11	25	2	19	41	31.3683	35.5286	8	1.5	Dead Sea Basin
185	2019	11	25	2	20	28	31.3541	35.5216	8	1.4	Dead Sea Basin
186	2019	11	25	8	2	58	31.3505	35.5342	11	2.6	Dead Sea Basin
187	2019	11	25	8	7	43	31.3477	35.5408	9	3.1	Dead Sea Basin
188	2019	11	25	11	39	31	31.3474	35.559	8	3.7	Dead Sea Basin
189	2019	11	25	11	48	46	31.3481	35.5541	9	3.8	Dead Sea Basin
190	2019	11	25	12	32	31	31.3679	35.5263	10	2.2	Dead Sea Basin
191	2019	11	25	13	16	18	30.6506	35.3558	8	2.3	Wadi Araba
192	2019	11	25	17	9	19	30.6462	35.3414	9	2	Wadi Araba
193	2019	11	25	21	14	19	34.1929	35.5654	1	2.4	Lebanon
194	2019	11	26	18	53	14	29.735	34.9882	19	1.8	Wadi Araba
195	2019	11	27	10	44	0	31.0553	35.5019	2	2.2	Dead Sea Basin
196	2019	11	30	2	35	51	31.3348	35.4749	16	1.9	Dead Sea Basin
197	2019	11	30	16	29	43	29.4066	34.9104	14	2.7	Eilat Deep, Gulf of Aqaba
198	2019	12	1	13	20	12	32.8405	35.67	5	2.2	Tiberias
199	2019	12	4	10	45	0	34.36	32.15	20	3.1	Cyprus Region
200	2019	12	5	6	56	14	34.81	33.41	20	2.7	Cyprus Region
201	2019	12	5	11	3	12	31.9089	35.5262	11	2.2	Jordan Valley
202	2019	12	5	15	31	8	34.63	33.33	15	2.9	Cyprus Region
203	2019	12	5	16	14	56	34.69	33.49	20	3.6	Cyprus Region
204	2019	12	5	20	28	50	34.8109	33.5421	26	2.7	Cyprus Region
205	2019	12	5	23	25	6	33.7093	36.0964	1	2.6	Palmira
206	2019	12	8	21	47	25	32.0514	35.305	4	2.2	West Jordan Valley
207	2019	12	9	23	55	8	32.0435	35.364	1	2	West Jordan Valley
208	2019	12	10	4	24	48	32.4599	35.3344	9	2.3	Carmel Fault Zone
209	2019	12	12	19	39	0	33.8455	36.175	14	2	Yammouneh
210	2019	12	16	2	33	53	30.9867	35.4053	1	2.8	Wadi Araba
211	2019	12	16	11	29	19	34.7645	34.2598	34	2.8	Cyprus Region
212	2019	12	23	21	8	9	31.4945	35.0162	14	2.2	West of Dead Sea Basin
213	2019	12	24	22	30	59	29.7037	34.5978	1	2.7	East Sinai
214	2019	12	25	13	13	12	29.3408	32.7369	15	3.3	Gulf of Suez
215	2019	12	27	7	19	37	34.5102	33.8996	10	3.6	Cyprus Region

216 2019 12 28 3 35 32 34.8971 33.9562 18 | 2.4 |

Cyprus Region