

Вулкан Кизимен ($ML \geq 3.3$)

Отв. сост.: И.Н. Нуждина

Сост.: Т.Ю. Кожевникова, С.Л. Толокнова,

О.А. Напылова, Н.А. Напылова, М.В. Демянчук,

О.В. Соболевская

№	Дата,			Время, t_0 ,			δt_0 , с	Гипоцентр					K_S	Магнитуды		Код сети
	год	м	д	ч	мин	с		φ , °N	λ , °E	δ , км	h , км	δh , км		ML	M	
1	2010	1	4	4	1	10.09	0.56	55.127	160.192	9.9	-1.1	2.8	8.5	3.5	2.6	KRSC
2	2010	1	10	8	50	4.71	0.60	55.167	160.391	11.9	6.1	2.7	9.8	4.2	3.5	KRSC
3	2010	1	11	12	49	46.32	0.57	55.187	160.340	8.0	-2.4	5.0	8.9	3.7	2.9	KRSC
4	2010	1	19	21	15	50.23	0.54	55.156	160.360	9.4	6.1	2.9	9.1	3.8	3.0	KRSC
5	2010	1	23	9	59	59.62	1.07	55.138	160.289	9.0	-1.5	6.1	8.1	3.3	2.3	KRSC
6	2010	1	23	10	0	32.17	0.26	55.150	160.337	8.8	-1.3	1.8	8.8	3.7	2.8	KRSC
7	2010	1	24	11	12	48.31	0.42	55.124	160.253	8.7	-1.0	2.6	8.2	3.4	2.4	KRSC
8	2010	2	3	15	23	28.43	0.30	55.159	160.216	8.7	-0.1	1.8	8.2	3.4	2.4	KRSC
9	2010	2	7	16	45	42.66	0.55	55.170	160.265	7.7	-0.9	2.6	8.3	3.4	2.5	KRSC
10	2010	2	8	1	53	6.44	0.36	55.114	160.179	6.0	0.1	2.2	8.0	3.3	2.3	KRSC
11	2010	2	11	2	31	3.81	0.69	55.115	160.436	13.8	-1.3	4.4	9.6	4.1	3.3	KRSC
12	2010	2	11	2	53	23.30	0.62	55.129	160.332	11.1	-0.9	3.4	9.4	4.0	3.2	KRSC
13	2010	2	11	4	27	33.40	0.35	55.149	160.379	19.0	-1.0	2.2	9.2	3.9	3.1	KRSC
14	2010	2	11	8	45	53.86	0.37	55.168	160.248	6.5	-1.0	2.0	8.0	3.3	2.3	KRSC
15	2010	2	16	20	56	15.93	0.64	55.192	160.343	9.9	-2.7	6.2	9.7	4.1	3.4	KRSC
16	2010	2	17	8	55	59.19	0.71	55.195	160.375	8.3	-1.8	4.7	8.6	3.6	2.7	KRSC
17	2010	2	18	19	15	55.39	0.74	55.198	160.351	8.2	-1.6	4.6	9.3	3.9	3.1	KRSC
18	2010	2	19	14	48	56.47	0.63	55.184	160.328	6.8	-1.9	4.9	8.0	3.3	2.3	KRSC
19	2010	2	25	17	48	43.40	0.71	55.170	160.355	9.8	-1.9	5.2	9.0	3.8	2.9	KRSC
20	2010	3	2	15	53	5.10	0.54	55.202	160.324	5.5	2.0	3.0	8.3	3.4	2.5	KRSC
21	2010	3	4	13	19	47.55	0.80	55.140	160.381	9.6	-2.0	5.3	8.7	3.6	2.7	KRSC
22	2010	3	8	8	27	31.05	0.61	55.140	160.466	11.7	6.0	2.9	9.2	3.9	3.1	KRSC
23	2010	3	8	10	29	21.22	0.76	55.153	160.414	7.3	1.1	4.1	8.3	3.4	2.5	KRSC
24	2010	3	8	10	30	7.75	0.43	55.151	160.467	3.3	3.7	2.9	8.0	3.3	2.3	KRSC
25	2010	3	10	14	28	40.75	0.40	55.110	160.395	7.7	-1.9	3.1	10.0	4.3	3.6	KRSC
26	2010	3	10	15	11	22.05	0.59	55.110	160.335	7.2	-1.1	3.5	8.7	3.6	2.7	KRSC
27	2010	3	19	18	4	26.46	0.58	55.175	160.347	8.7	-1.2	3.2	8.9	3.7	2.9	KRSC
28	2010	3	28	5	2	24.77	0.49	55.171	160.349	13.0	-2.2	4.6	9.4	4.0	3.2	KRSC
29	2010	4	3	1	12	25.07	0.73	55.147	160.354	7.0	-1.0	3.7	9.3	3.9	3.1	KRSC
30	2010	4	3	18	59	0.35	0.84	55.210	160.309	6.7	-2.1	6.3	8.4	3.5	2.5	KRSC
31	2010	4	4	2	54	6.92	0.46	55.093	160.265	7.9	4.0	3.1	8.5	3.5	2.6	KRSC
32	2010	4	5	6	37	59.39	0.83	55.170	160.286	7.9	-1.1	4.5	8.6	3.6	2.7	KRSC
33	2010	4	6	3	53	12.45	0.74	55.140	160.356	9.0	-0.9	4.3	8.7	3.6	2.7	KRSC
34	2010	4	6	4	30	16.64	0.49	55.140	160.358	9.4	1.6	3.3	8.6	3.6	2.7	KRSC
35	2010	4	15	8	36	44.50	0.42	55.138	160.298	10.7	-0.9	2.6	8.3	3.4	2.5	KRSC
36	2010	4	16	10	13	50.68	0.65	55.083	160.475	8.8	6.6	3.0	8.1	3.3	2.3	KRSC
37	2010	4	16	13	27	14.13	0.34	55.110	160.240	7.6	-1.6	2.7	8.0	3.3	2.3	KRSC
38	2010	4	16	15	2	15.98	0.39	55.129	160.319	7.7	1.7	2.3	8.4	3.5	2.5	KRSC
39	2010	4	17	16	51	32.89	0.46	55.083	160.242	6.0	6.4	3.1	8.5	3.5	2.6	KRSC
40	2010	4	19	9	34	21.03	0.39	55.092	160.250	7.8	4.0	2.8	8.2	3.4	2.4	KRSC
41	2010	4	22	6	56	27.55	0.57	55.143	160.350	7.8	1.0	3.6	9.1	3.8	3.0	KRSC
42	2010	4	22	11	4	39.06	0.83	55.144	160.327	7.8	-1.2	4.4	8.8	3.7	2.8	KRSC
43	2010	4	23	4	54	12.03	0.76	55.175	160.422	8.0	-2.1	5.9	9.4	4.0	3.2	KRSC
44	2010	4	23	10	43	15.65	1.06	55.161	160.460	7.6	0.3	6.3	10.3	4.4	3.8	KRSC
45	2010	4	23	11	24	34.17	0.62	55.172	160.359	9.2	-1.6	4.6	8.6	3.6	2.7	KRSC
46	2010	4	23	20	58	35.84	0.46	55.159	160.381	8.3	1.6	2.8	8.5	3.5	2.6	KRSC
47	2010	4	30	0	48	14.41	0.46	55.143	160.348	6.9	-0.8	2.6	8.1	3.3	2.3	KRSC
48	2010	4	30	4	8	14.21	0.29	55.121	160.298	7.8	-0.9	1.7	8.3	3.4	2.5	KRSC
49	2010	4	30	16	14	5.05	0.44	55.114	160.206	12.5	-1.8	3.7	9.3	3.9	3.1	KRSC

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	год	м	д	ч	мин	с		φ , °N	λ , °E	δ , км	h , км	δh , км		ML	M	
50	2010	5	6	5	32	43.45	0.48	55.178	160.423	8.8	5.7	2.9	8.0	3.3	2.3	KRSC
51	2010	5	22	5	12	29.74	0.55	55.176	160.352	5.9	2.7	3.6	8.0	3.3	2.3	KRSC
52	2010	5	22	22	9	12.67	0.55	55.154	160.356	13.1	0.2	3.8	8.2	3.4	2.4	KRSC
53	2010	5	31	12	15	17.97	0.43	55.132	160.366	7.1	-2.2	4.3	8.7	3.6	2.7	KRSC
54	2010	6	13	13	19	4.45	0.59	55.145	160.396	8.7	0.1	3.2	8.5	3.5	2.6	KRSC
55	2010	6	13	13	19	44.98	0.65	55.131	160.337	5.2	4.4	2.9	8.2	3.4	2.4	KRSC
56	2010	6	16	23	7	36.53	0.52	55.155	160.309	8.8	4.0	3.5	8.6	3.6	2.7	KRSC
57	2010	6	17	15	1	20.81	0.59	55.052	160.151	5.8	0.6	3.3	8.8	3.7	2.8	KRSC
58	2010	6	22	7	53	19.12	0.35	55.132	160.352	13.1	-0.1	2.2	10.2	4.4	3.7	KRSC
59	2010	6	24	18	44	20.32	0.58	55.118	160.254	7.5	19.1	7.9	8.3	3.4	2.5	KRSC
60	2010	6	30	13	55	36.11	0.54	55.053	160.207	4.0	0.9	3.3	8.0	3.3	2.3	KRSC
61	2010	6	30	22	40	17.39	0.40	55.097	160.374	6.8	2.4	2.5	8.6	3.6	2.7	KRSC
62	2010	6	30	23	4	39.79	0.54	55.112	160.381	7.0	-0.4	3.1	8.9	3.7	2.9	KRSC
63	2010	7	3	13	26	50.28	0.68	55.071	160.194	6.9	-1.9	4.6	9.1	3.8	3.0	KRSC
64	2010	7	17	2	32	3.68	0.38	55.137	160.338	7.8	-1.6	3.0	9.8	4.2	3.5	KRSC
65	2010	7	17	2	57	8.16	0.33	55.117	160.325	8.9	0.7	2.2	9.5	4.0	3.3	KRSC
66	2010	7	17	4	46	0.35	0.39	55.097	160.270	12.8	0.9	2.4	8.6	3.6	2.7	KRSC
67	2010	7	17	7	53	9.95	0.63	55.092	160.305	11.2	0.4	3.8	8.0	3.3	2.3	KRSC
68	2010	7	19	9	49	17.75	0.44	55.114	160.259	14.3	-0.9	3.2	8.5	3.5	2.6	KRSC
69	2010	7	20	13	52	37.63	0.75	55.122	160.379	8.1	0.5	3.6	9.3	3.9	3.1	KRSC
70	2010	7	20	13	54	14.69	0.63	55.105	160.410	15.5	-2.2	5.6	10.3	4.4	3.8	KRSC
71	2010	7	21	1	5	44.97	0.30	55.135	160.353	9.1	1.0	2.0	8.2	3.4	2.4	KRSC
72	2010	7	22	19	6	28.99	0.74	55.124	160.215	10.3	1.0	4.8	9.0	3.8	2.9	KRSC
73	2010	7	24	1	17	14.39	0.48	55.106	160.291	10.9	3.6	2.0	8.7	3.6	2.7	KRSC
74	2010	7	28	1	47	39.31	0.38	55.134	160.354	6.8	3.5	2.5	8.3	3.4	2.5	KRSC
75	2010	8	2	10	48	2.88	0.49	55.164	160.309	8.1	6.0	3.3	8.3	3.4	2.5	KRSC
76	2010	8	3	7	51	36.01	0.41	55.081	160.280	6.7	3.7	2.7	8.0	3.3	2.3	KRSC
77	2010	8	4	22	21	18.39	0.64	55.162	160.372	10.4	-2.0	5.1	8.9	3.7	2.9	KRSC
78	2010	8	11	13	7	20.82	0.68	55.117	160.378	9.6	-1.1	4.1	9.4	4.0	3.2	KRSC
79	2010	8	25	1	56	8.67	0.34	55.134	160.341	11.9	-1.0	2.2	9.1	3.8	3.0	KRSC
80	2010	8	29	8	1	31.08	0.31	55.128	160.322	6.9	0.9	2.0	8.3	3.4	2.5	KRSC
81	2010	8	30	19	39	21.64	0.45	55.098	160.266	12.3	1.1	2.7	9.3	3.9	3.1	KRSC
82	2010	9	1	21	43	38.93	0.65	55.090	160.229	8.8	0.8	4.0	8.2	3.4	2.4	KRSC
83	2010	9	9	17	1	53.93	0.34	55.131	160.219	10.0	-0.8	2.3	8.6	3.6	2.7	KRSC
84	2010	9	15	13	43	4.15	0.40	55.116	160.331	6.9	0.8	2.4	8.1	3.3	2.3	KRSC
85	2010	9	16	3	9	3.94	0.82	55.170	160.518	7.7	-0.4	4.0	9.3	3.9	3.1	KRSC
86	2010	9	16	10	21	23.17	0.76	55.173	160.466	8.1	-0.4	4.0	9.0	3.8	2.9	KRSC
87	2010	9	17	19	33	19.39	0.52	55.170	160.400	5.0	-2.1	4.5	9.5	4.0	3.3	KRSC
88	2010	9	18	6	40	52.54	0.62	55.158	160.451	11.8	0.1	3.9	8.2	3.4	2.4	KRSC
89	2010	9	18	14	32	35.28	0.61	55.139	160.284	10.2	5.1	2.9	9.7	4.1	3.4	KRSC
90	2010	9	23	11	55	12.40	0.58	55.190	160.413	8.2	-1.5	4.2	8.0	3.3	2.3	KRSC
91	2010	9	23	12	39	23.35	0.50	55.089	160.249	10.0	5.6	3.2	8.3	3.4	2.5	KRSC
92	2010	9	24	13	53	54.65	0.65	55.193	160.339	6.9	-1.9	4.6	8.8	3.7	2.8	KRSC
93	2010	9	25	22	31	2.03	0.56	55.166	160.515	8.8	4.0	4.6	9.1	3.8	3.0	KRSC
94	2010	9	29	14	29	36.32	0.66	55.071	160.162	8.0	-1.8	4.6	9.0	3.8	2.9	KRSC
95	2010	10	2	23	35	45.03	0.38	55.127	160.315	13.8	2.7	2.2	8.5	3.5	2.6	KRSC
96	2010	10	6	7	49	49.62	0.24	55.133	160.376	7.2	-1.6	0.9	8.0	3.3	2.3	KRSC
97	2010	10	6	7	54	20.20	0.54	55.137	160.368	11.9	-1.8	3.7	8.7	3.6	2.7	KRSC
98	2010	10	7	7	28	43.19	0.41	55.100	160.150	9.5	3.5	3.2	8.6	3.6	2.7	KRSC
99	2010	10	9	17	19	39.06	0.73	55.130	160.440	10.8	-2.1	6.3	10.9	4.7	4.2	KRSC
100	2010	10	9	18	58	16.33	0.45	55.158	160.351	10.2	3.7	2.1	8.7	3.6	2.7	KRSC
101	2010	10	9	19	39	45.37	0.40	55.147	160.369	6.3	3.5	2.5	8.9	3.7	2.9	KRSC
102	2010	10	10	3	15	10.84	0.63	55.124	160.444	4.8	0.8	2.8	8.9	3.7	2.9	KRSC
103	2010	10	10	11	6	56.10	0.51	55.172	160.361	3.5	6.2	3.4	8.0	3.3	2.3	KRSC
104	2010	10	10	18	30	42.07	0.48	55.142	160.371	6.2	5.5	2.8	8.2	3.4	2.4	KRSC
105	2010	10	13	11	50	13.91	0.38	55.131	160.282	9.8	1.2	2.4	10.2	4.4	3.7	KRSC
106	2010	10	13	18	16	56.52	0.42	55.130	160.241	8.5	4.0	2.7	9.1	3.8	3.0	KRSC
107	2010	10	15	17	27	30.73	0.80	55.177	160.340	8.8	-1.3	4.7	9.8	4.2	3.5	KRSC
108	2010	10	19	9	2	1.00	0.45	55.150	160.421	8.4	3.6	2.7	9.3	3.9	3.1	KRSC
109	2010	10	19	9	3	21.13	0.49	55.127	160.408	4.9	3.7	3.2	8.5	3.5	2.6	KRSC
110	2010	10	19	9	39	38.23	0.43	55.146	160.381	3.6	5.2	2.6	8.2	3.4	2.4	KRSC
111	2010	10	19	10	6	7.34	0.44	55.153	160.344	10.2	3.8	2.9	11.2	4.9	4.4	KRSC
112	2010	10	19	10	9	19.44	0.26	55.135	160.387	2.3	6.8	2.2	8.3	3.4	2.5	KRSC
113	2010	10	19	11	51	17.03	0.50	55.187	160.378	6.0	2.9	3.7	8.2	3.4	2.4	KRSC

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	год	м	д	ч	мин	с		φ , °N	λ , °E	δ , км	h , км	δh , км		ML	M	
114	2010	10	19	12	9	49.01	0.57	55.132	160.374	7.5	2.7	4.4	8.2	3.4	2.4	KRSC
115	2010	10	20	14	12	52.11	0.38	55.128	160.370	4.1	5.7	2.2	8.0	3.3	2.3	KRSC
116	2010	10	24	3	50	17.22	0.64	55.161	160.325	5.4	2.5	4.3	8.3	3.4	2.5	KRSC
117	2010	10	24	4	41	4.78	0.51	55.145	160.309	9.5	4.4	3.6	8.8	3.7	2.8	KRSC
118	2010	10	24	9	17	19.96	0.54	55.142	160.345	10.6	6.1	4.6	8.6	3.6	2.7	KRSC
119	2010	10	24	18	47	37.53	0.44	55.162	160.279	7.1	4.1	2.4	8.7	3.6	2.7	KRSC
120	2010	10	28	11	56	39.79	0.34	55.143	160.309	11.8	-1.1	2.3	8.7	3.6	2.7	KRSC
121	2010	10	30	11	48	45.83	0.39	55.109	160.334	8.1	3.4	2.3	8.1	3.3	2.3	KRSC
122	2010	10	30	23	58	7.23	0.52	55.116	160.269	8.5	1.4	3.4	8.0	3.3	2.3	KRSC
123	2010	11	1	6	21	15.07	0.44	55.058	160.190	5.4	-1.5	3.3	8.2	3.4	2.4	KRSC
124	2010	11	3	3	55	53.12	0.54	55.113	160.212	10.6	5.6	2.7	9.3	3.9	3.1	KRSC
125	2010	11	12	2	19	37.94	0.55	55.121	160.388	24.8	-1.0	3.4	10.1	4.3	3.7	KRSC
126	2010	11	12	9	12	22.48	0.42	55.115	160.264	22.9	-0.9	1.7	8.3	3.4	2.5	KRSC
127	2010	11	14	6	50	14.06	0.38	55.117	160.365	11.2	3.7	2.1	8.4	3.5	2.5	KRSC
128	2010	11	14	10	32	33.31	0.36	55.157	160.299	14.3	-2.1	3.5	8.8	3.7	2.8	KRSC
129	2010	11	14	10	33	16.22	0.08	55.135	160.236	2.8	1.3	0.7	8.4	3.5	2.5	KRSC
130	2010	11	14	11	1	11.88	0.50	55.154	160.310	16.3	-2.2	4.8	9.3	3.9	3.1	KRSC
131	2010	11	16	23	14	6.57	0.36	55.148	160.355	6.7	3.9	2.7	10.7	4.6	4.1	KRSC
132	2010	11	17	10	47	20.00	0.42	55.084	160.190	9.8	-0.1	2.3	8.1	3.3	2.3	KRSC
133	2010	11	17	11	17	23.09	0.57	55.108	160.217	23.0	-1.8	4.9	9.8	4.2	3.5	KRSC
134	2010	11	17	12	36	20.70	0.55	55.158	160.312	12.2	-0.9	3.2	8.0	3.3	2.3	KRSC
135	2010	11	27	5	51	41.17	0.40	55.157	160.260	14.4	3.8	2.9	9.1	3.8	3.0	KRSC
136	2010	11	27	18	56	43.31	0.39	55.155	160.366	9.2	-1.8	2.7	11.4	5.0	4.5	KRSC
137	2010	11	27	18	57	33.03	0.72	55.105	160.474	11.8	5.5	3.6	10.4	4.5	3.9	KRSC
138	2010	11	27	19	0	52.67	0.68	55.136	160.351	13.1	6.9	3.3	8.3	3.4	2.5	KRSC
139	2010	11	27	19	29	36.00	0.50	55.146	160.357	13.0	7.5	3.4	11.9	5.2	4.9	KRSC
140	2010	11	27	19	31	49.73	0.39	55.165	160.404	4.9	3.8	2.7	8.4	3.5	2.5	KRSC
141	2010	11	27	19	36	38.26	0.54	55.158	160.295	10.8	3.4	1.6	8.0	3.3	2.3	KRSC
142	2010	11	27	19	42	49.83	0.42	55.151	160.338	12.2	4.0	2.5	9.1	3.8	3.0	KRSC
143	2010	11	27	20	19	37.24	0.65	55.119	160.370	14.3	-0.9	3.5	9.6	4.1	3.3	KRSC
144	2010	11	27	20	27	17.24	0.74	55.159	160.362	8.5	-2.1	5.0	8.4	3.5	2.5	KRSC
145	2010	11	27	20	28	20.70	0.64	55.171	160.269	12.7	-1.3	4.7	9.2	3.9	3.1	KRSC
146	2010	11	27	21	48	6.54	0.50	55.151	160.333	12.9	2.1	3.0	9.9	4.2	3.5	KRSC
147	2010	11	28	20	10	12.78	0.42	55.139	160.255	14.4	-1.4	2.7	8.3	3.4	2.5	KRSC
148	2010	12	2	21	4	43.67	0.75	55.145	160.399	9.3	-1.9	5.8	8.5	3.5	2.6	KRSC
149	2010	12	3	22	4	16.79	0.47	55.127	160.379	10.4	-1.1	2.7	8.8	3.7	2.8	KRSC
150	2010	12	4	1	49	18.97	0.44	55.150	160.402	7.4	5.6	2.5	8.1	3.3	2.3	KRSC
151	2010	12	4	6	54	27.52	0.35	55.127	160.343	12.0	2.4	1.7	8.1	3.3	2.3	KRSC
152	2010	12	18	11	41	3.54	0.68	55.185	160.437	10.6	-1.1	3.9	8.6	3.6	2.7	KRSC