

## V.12. Вулканические районы Камчатки

по данным КФ ГС РАН (KRSC)

### Северная группа вулканов ( $ML \geq 2.3$ )

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№	Дата, год	м	д	Время, ч мин	$t_0$ , с	$\delta t_0$ , с	Гипоцентр					$K_s$	Магнитуды		Код сети
							$\phi$ , °N	$\lambda$ , °E	$\delta$ , км	$h$ , км	$\delta h$ , км		$ML$	$M$	
1	2009	1	1	9 44	12.98	0.89	56.061	160.650	4.0	-1.8	3.5	6.7	2.6	1.4	KRSC
2	2009	1	1	22 58	50.99	0.69	56.058	160.633	3.0	-1.5	2.5	6.0	2.3	0.9	KRSC
3	2009	1	2	3 35	51.85	0.33	56.637	161.306	4.0	0.4	0.5	6.1	2.3	1.0	KRSC
4	2009	1	2	5 38	46.71	0.91	56.052	160.640	3.5	-2.7	2.5	6.2	2.4	1.1	KRSC
5	2009	1	3	12 28	58.36	0.76	56.056	160.652	3.5	1.6	3.5	6.1	2.3	1.0	KRSC
6	2009	1	3	20 36	56.74	0.98	56.057	160.654	3.0	-2.2	3.0	6.3	2.4	1.1	KRSC
7	2009	1	3	22 58	55.66	0.91	56.057	160.646	3.0	0.4	4.0	6.0	2.3	0.9	KRSC
8	2009	1	4	3 4	18.83	1.15	56.050	160.640	4.0	-2.3	3.0	6.3	2.4	1.1	KRSC
9	2009	1	4	3 17	24.47	1.23	56.055	160.596	4.5	-2.3	3.0	6.0	2.3	0.9	KRSC
10	2009	1	9	6 26	52.52	0.50	55.961	160.898	10.0	12.6	9.5	6.5	2.5	1.3	KRSC
11	2009	1	11	3 16	39.60	0.19	56.074	160.626	2.5	-1.4	0.5	6.3	2.4	1.1	KRSC
12	2009	1	14	5 32	50.45	0.69	56.647	161.306	5.0	0.3	0.5	6.0	2.3	0.9	KRSC
13	2009	1	14	16 44	32.80	0.24	56.631	161.304	3.0	0.3	0.5	6.2	2.4	1.1	KRSC
14	2009	1	17	20 21	49.27	0.65	56.648	161.298	7.5	0.4	0.5	6.1	2.3	1.0	KRSC
15	2009	1	20	5 59	24.52	0.75	56.643	161.299	9.5	0.4	0.5	6.2	2.4	1.1	KRSC
16	2009	1	24	8 20	24.03	0.38	56.610	161.186	6.0	6.7	5.0	6.0	2.3	0.9	KRSC
17	2009	2	6	4 3	30.55	1.01	56.182	160.928	9.5	20.6	15.0	6.5	2.5	1.3	KRSC
18	2009	2	28	21 36	9.82	1.21	56.559	159.519	18.5	5.2	5.0	7.0	2.8	1.6	KRSC
19	2009	3	3	3 32	44.00	0.64	56.140	160.862	9.0	20.2	11.0	6.1	2.3	1.0	KRSC
20	2009	3	3	21 38	5.90	0.79	56.654	161.307	7.5	0.4	0.5	6.0	2.3	0.9	KRSC
21	2009	3	4	0 56	58.16	0.78	56.651	161.307	9.5	0.4	0.5	6.0	2.3	0.9	KRSC
22	2009	3	21	14 55	36.83	0.83	56.119	160.650	7.0	14.0	10.0	6.0	2.3	0.9	KRSC
23	2009	3	29	7 14	4.69	0.76	56.655	161.290	10.0	0.3	0.5	6.0	2.3	0.9	KRSC
24	2009	4	3	19 10	45.10	0.77	56.631	161.271	13.0	0.3	0.5	7.5	3.0	1.9	KRSC
25	2009	4	4	1 19	6.22	0.66	56.669	161.330	12.5	6.0	5.0	6.8	2.7	1.5	KRSC
26	2009	4	9	7 11	31.18	0.61	56.634	161.307	8.5	0.4	0.5	6.1	2.3	1.0	KRSC
27	2009	4	22	7 37	28.92	0.53	56.635	161.305	5.0	0.2	0.5	6.3	2.4	1.1	KRSC
28	2009	4	22	20 47	20.41	0.80	56.652	161.298	9.0	0.4	0.5	6.5	2.5	1.3	KRSC
29	2009	4	23	6 58	31.40	0.58	56.643	161.307	7.5	0.4	0.5	6.3	2.4	1.1	KRSC
30	2009	4	24	1 19	27.68	0.61	56.638	161.299	7.0	0.4	0.5	6.2	2.4	1.1	KRSC
31	2009	4	25	11 9	41.26	0.80	56.665	161.299	9.5	0.4	0.5	6.3	2.4	1.1	KRSC
32	2009	4	25	20 15	36.26	0.53	56.638	161.314	7.5	0.4	0.5	6.0	2.3	0.9	KRSC
33	2009	5	2	11 53	30.00	1.14	56.172	161.002	12.0	19.0	15.0	6.8	2.7	1.5	KRSC
34	2009	5	5	4 44	38.38	0.56	56.639	161.282	7.5	0.4	0.5	6.6	2.6	1.3	KRSC
35	2009	5	8	5 10	27.46	0.97	56.462	161.288	13.5	19.1	15.0	6.2	2.4	1.1	KRSC
36	2009	5	9	1 26	6.79	0.94	56.121	160.725	9.0	20.0	11.5	7.0	2.8	1.6	KRSC
37	2009	5	9	11 15	35.64	1.09	55.684	160.591	10.0	5.2	5.0	6.5	2.5	1.3	KRSC
38	2009	5	10	13 43	21.91	0.79	56.647	161.306	10.5	0.4	0.5	6.0	2.3	0.9	KRSC
39	2009	5	12	20 26	10.65	0.54	56.639	161.298	7.5	0.4	0.5	6.4	2.5	1.2	KRSC
40	2009	5	16	9 32	2.52	0.45	56.667	161.305	13.0	5.7	5.0	7.8	3.2	2.1	KRSC
41	2009	5	22	9 44	33.93	0.73	56.652	161.299	8.5	0.4	0.5	6.6	2.6	1.3	KRSC
42	2009	5	23	2 5	13.89	1.25	55.604	160.493	11.5	4.6	5.0	6.0	2.3	0.9	KRSC
43	2009	5	23	11 48	42.85	0.57	56.638	161.288	9.0	0.3	0.5	7.3	2.9	1.8	KRSC
44	2009	5	25	8 52	45.60	0.60	56.640	161.298	5.0	0.3	0.5	6.0	2.3	0.9	KRSC
45	2009	5	27	19 57	36.05	0.67	56.647	161.312	8.5	0.3	0.5	6.2	2.4	1.1	KRSC
46	2009	6	11	0 6	4.14	0.60	56.635	161.299	5.0	0.3	0.5	6.0	2.3	0.9	KRSC
47	2009	6	11	14 1	22.60	0.80	56.652	161.299	8.5	0.4	0.5	6.1	2.3	1.0	KRSC

48	2009	6	13	11	0	47.59	0.05	56.624	161.293	4.5	0.5	0.5	6.1	2.3	1.0	KRSC
49	2009	6	15	10	50	43.87	0.71	56.643	161.283	9.5	0.4	0.5	7.7	3.1	2.1	KRSC
50	2009	6	21	18	18	37.23	0.68	56.174	160.794	10.0	12.2	10.0	6.6	2.6	1.3	KRSC
51	2009	6	22	0	49	1.57	0.82	55.649	160.512	10.5	4.7	5.0	6.6	2.6	1.3	KRSC
52	2009	6	26	12	37	28.08	0.75	56.654	161.307	7.5	0.4	0.5	6.0	2.3	0.9	KRSC
53	2009	6	27	7	19	4.55	1.53	56.933	161.364	22.0	17.4	15.0	6.3	2.4	1.1	KRSC
54	2009	6	27	23	46	8.94	0.76	56.650	161.302	7.0	0.3	0.5	6.2	2.4	1.1	KRSC
55	2009	6	28	20	59	15.14	0.27	56.637	161.290	5.0	0.4	0.5	6.5	2.5	1.3	KRSC
56	2009	6	29	12	47	30.45	0.73	56.647	161.305	11.0	0.3	0.5	6.6	2.6	1.3	KRSC
57	2009	6	29	21	52	8.59	0.80	56.662	161.310	10.0	0.4	0.5	6.5	2.5	1.3	KRSC
58	2009	7	4	4	44	50.25	1.04	56.179	160.904	10.0	20.1	15.0	6.4	2.5	1.2	KRSC
59	2009	7	17	20	16	50.10	1.04	55.622	160.357	12.0	10.1	10.0	8.0	3.3	2.3	KRSC
60	2009	7	20	18	4	11.42	1.25	56.409	161.527	17.0	19.0	15.0	6.5	2.5	1.3	KRSC
61	2009	7	29	3	27	13.07	0.51	55.895	160.585	6.0	2.4	3.5	6.1	2.3	1.0	KRSC
62	2009	8	9	22	59	40.98	0.34	56.072	160.634	4.5	5.7	5.0	6.1	2.3	1.0	KRSC
63	2009	8	12	20	52	45.26	0.35	56.636	161.301	5.0	0.2	0.5	6.2	2.4	1.1	KRSC
64	2009	8	16	6	33	5.31	0.49	56.635	161.299	4.0	0.3	0.5	6.0	2.3	0.9	KRSC
65	2009	8	20	7	35	53.77	0.34	55.925	160.679	8.0	8.5	8.5	6.2	2.4	1.1	KRSC
66	2009	8	23	1	29	3.11	0.50	56.060	160.626	3.5	2.3	3.0	6.3	2.4	1.1	KRSC
67	2009	8	28	8	13	45.58	0.93	56.332	160.525	11.0	18.5	15.0	7.0	2.8	1.6	KRSC
68	2009	8	30	19	30	37.04	1.02	56.206	160.828	8.0	22.0	15.0	6.0	2.3	0.9	KRSC
69	2009	9	2	6	30	26.31	1.01	56.204	160.819	9.5	23.3	12.5	6.5	2.5	1.3	KRSC
70	2009	9	2	22	28	45.51	1.09	56.335	160.525	12.0	18.8	15.0	8.5	3.5	2.6	KRSC
71	2009	9	3	4	48	18.54	0.99	56.206	160.834	8.5	22.8	15.0	6.6	2.6	1.3	KRSC
72	2009	9	3	4	56	14.39	0.93	56.210	160.842	8.0	21.4	15.0	6.0	2.3	0.9	KRSC
73	2009	9	3	4	58	57.91	0.97	56.208	160.830	8.5	21.6	15.0	6.1	2.3	1.0	KRSC
74	2009	9	4	13	10	4.78	0.84	56.209	160.811	8.5	19.1	15.0	7.5	3.0	1.9	KRSC
75	2009	9	4	15	28	50.28	0.29	56.064	160.638	4.5	5.4	5.0	6.0	2.3	0.9	KRSC
76	2009	9	5	3	9	9.55	0.79	56.324	160.524	11.5	19.1	15.0	7.6	3.1	2.0	KRSC
77	2009	9	6	2	25	41.47	0.68	56.202	160.776	8.0	17.6	12.5	6.2	2.4	1.1	KRSC
78	2009	9	6	20	43	11.44	0.85	56.321	160.529	11.5	18.6	15.0	8.6	3.6	2.7	KRSC
79	2009	9	8	5	13	25.58	0.09	56.062	160.639	3.5	3.4	2.0	6.0	2.3	0.9	KRSC
80	2009	9	14	17	20	58.23	1.02	56.334	160.521	11.0	18.5	15.0	7.3	2.9	1.8	KRSC
81	2009	9	15	12	29	38.27	0.84	56.337	160.523	11.5	18.6	15.0	7.4	3.0	1.9	KRSC
82	2009	9	16	21	6	56.89	0.26	56.063	160.633	3.5	5.6	5.0	6.1	2.3	1.0	KRSC
83	2009	9	21	9	23	59.22	0.49	56.069	160.640	4.0	5.2	5.0	6.2	2.4	1.1	KRSC
84	2009	9	27	8	38	54.41	0.33	56.634	161.299	4.5	0.4	0.5	6.0	2.3	0.9	KRSC
85	2009	9	27	22	3	47.66	0.64	56.648	161.310	6.5	0.2	0.5	6.3	2.4	1.1	KRSC
86	2009	9	28	22	2	42.69	0.25	56.621	161.307	2.5	0.3	0.5	6.0	2.3	0.9	KRSC
87	2009	10	15	6	43	17.12	1.20	55.706	160.582	9.0	4.3	5.0	6.7	2.6	1.4	KRSC
88	2009	10	15	13	37	49.75	1.65	56.334	160.513	12.5	17.8	15.0	6.9	2.7	1.5	KRSC
89	2009	10	16	20	26	42.31	1.50	56.690	161.095	19.0	13.4	12.5	7.3	2.9	1.8	KRSC
90	2009	10	18	6	55	33.12	0.55	56.066	160.635	3.5	4.7	5.0	6.0	2.3	0.9	KRSC
91	2009	10	18	6	55	42.73	0.44	56.067	160.647	3.5	4.5	5.0	6.0	2.3	0.9	KRSC
92	2009	10	18	13	54	25.64	0.30	56.062	160.645	4.0	4.7	5.0	6.0	2.3	0.9	KRSC
93	2009	10	21	23	15	44.02	0.58	56.065	160.632	4.5	5.4	5.0	6.2	2.4	1.1	KRSC
94	2009	10	23	17	3	29.64	1.98	56.683	161.677	32.5	19.7	15.0	6.4	2.5	1.2	KRSC
95	2009	10	24	11	6	19.09	1.95	56.715	161.644	27.5	15.6	15.0	6.0	2.3	0.9	KRSC
96	2009	10	24	11	24	58.86	0.46	56.062	160.628	4.0	2.7	2.5	6.7	2.6	1.4	KRSC
97	2009	10	24	15	12	18.99	0.54	56.066	160.637	3.5	4.8	5.0	6.6	2.6	1.3	KRSC
98	2009	10	24	17	28	40.82	0.47	56.066	160.640	3.5	4.3	5.0	6.0	2.3	0.9	KRSC
99	2009	10	24	17	29	59.11	0.57	56.065	160.635	3.5	4.0	5.0	6.1	2.3	1.0	KRSC
100	2009	10	30	13	52	46.60	0.36	56.065	160.638	3.5	3.6	3.5	6.0	2.3	0.9	KRSC
101	2009	10	31	0	37	1.55	1.95	56.673	161.659	31.0	19.5	15.0	6.2	2.4	1.1	KRSC
102	2009	11	1	17	57	5.80	1.65	55.679	160.500	11.0	4.9	5.0	6.8	2.7	1.5	KRSC
103	2009	11	3	3	19	47.58	1.33	56.074	160.905	11.5	22.1	10.0	7.0	2.8	1.6	KRSC
104	2009	11	6	10	32	29.50	0.89	55.772	160.476	7.0	4.9	5.0	6.3	2.4	1.1	KRSC
105	2009	11	8	16	52	7.73	0.49	55.650	160.257	4.0	1.0	1.5	6.7	2.6	1.4	KRSC
106	2009	11	10	7	2	1.75	0.99	56.578	161.592	15.5	5.4	5.0	6.9	2.7	1.5	KRSC
107	2009	11	24	4	9	4.27	1.56	55.720	160.528	9.5	4.9	5.0	7.5	3.0	1.9	KRSC
108	2009	11	27	12	46	22.53	1.87	55.664	160.325	16.0	18.2	15.0	6.3	2.4	1.1	KRSC
109	2009	11	30	12	43	29.07	0.69	56.112	160.599	6.5	11.4	10.0	7.2	2.9	1.7	KRSC
110	2009	12	10	18	49	29.23	0.54	55.961	160.587	4.0	0.8	2.5	6.1	2.3	1.0	KRSC
111	2009	12	30	10	17	10.04	0.61	56.633	161.305	5.0	0.3	0.5	6.1	2.3	1.0	KRSC
112	2009	12	30	19	5	2.51	0.71	56.643	161.298	5.5	0.3	0.5	6.1	2.3	1.0	KRSC
113	2009	12	31	18	16	11.95	0.68	56.638	161.291	5.5	0.3	0.5	6.2	2.4	1.1	KRSC