

## II.4. Алтай и Саяны

по данным А-С ОМСЭ ГС СО РАН (ASRS)

№	Дата,			Время, $t_0$ ,			$\delta t_0$ , с	Гипоцентр						$K_p$	Магнитуды		Код сети	I, примечания
	год	м	д	ч	мин	с		$\varphi$ , °N	$\delta\varphi$ , °	$\lambda$ , °E	$\delta\lambda$ , °	$h$ , км	$\delta h$ , км		MLH	M		
1	2003	1	1	1	20	3.3	0.18	52.20	0.02	98.47	0.01	15	10.8	3.5	3.8	ASRS		
2	2003	1	12	3	29	24.5	0.45	47.56	0.02	85.01	0.03	15	9.5		3.1	ASRS		
3	2003	1	12	20	52	27.5	0.19	51.15	0.01	98.25	0.01	15	8.6		2.6	ASRS		
4	2003	1	15	23	4	24.0	1.11	45.57	0.06	81.39	0.12	15	8.8	2.8	2.7	ASRS		
5	2003	1	24	21	35	19.9	0.29	53.39	0.02	92.02	0.02	15	9.1	2.8	2.8	ASRS	8	
6	2003	2	3	16	23	9.3	0.47	54.65	0.02	94.95	0.04	15	9.8	3.3	3.2	ASRS		
7	2003	2	6	19	54	0.5	0.87	45.91	0.04	90.30	0.04	15	9.1	2.8	2.8	ASRS		
8	2003	2	8	0	37	9.3	0.46	50.56	0.03	89.88	0.03	15	11.4	3.9	4.1	ASRS		
9	2003	2	12	22	45	27.5	0.33	53.42	0.02	90.82	0.03	15	8.9	2.5	2.7	ASRS		
10	2003	2	13	21	37	44.0	1.63	55.90	0.06	72.90	0.13	15	9.1		2.8	ASRS	9	
11	2003	2	13	21	40	17.7	0.77	45.76	0.03	82.40	0.05	15	9.9	3.5	3.3	ASRS		
12	2003	2	20	4	10	1.1	0.53	44.58	0.03	81.12	0.05	15	12.5	4.5	4.7	ASRS		
13	2003	2	23	4	51	59.7	0.51	47.88	0.02	85.69	0.03	15	9.7	3.0	3.2	ASRS		
14	2003	2	23	15	9	32.6	0.51	50.05	0.03	89.29	0.02	15	10.2	3.3	3.4	ASRS		
15	2003	3	3	13	25	8.0	0.21	51.13	0.02	98.16	0.01	15	10.7	3.4	3.7	ASRS		
16	2003	3	6	6	38	5.1	0.56	48.95	0.03	82.49	0.04	15	10.8	3.8	3.8	ASRS		
17	2003	3	11	7	51	8.2		53.73		87.96		15	8.6		2.6	ASRS	10	
18	2003	3	16	16	27	27.7	0.36	50.57	0.03	96.56	0.02	15	8.9	2.5	2.7	ASRS		
19	2003	3	17	13	49	24.0	0.66	46.89	0.03	90.21	0.03	15	9.1	3.0	2.8	ASRS		
20	2003	3	19	10	20	33.1	0.42	50.63	0.02	89.93	0.03	15	8.9	2.5	2.7	ASRS		
21	2003	3	25	4	50	30.1	0.77	46.97	0.04	82.69	0.07	15	9.8		3.2	ASRS		
22	2003	4	1	13	27	30.0	0.69	45.40	0.03	81.29	0.06	15	11.9		4.4	ASRS		
23	2003	4	2	6	10	24.3	0.47	50.08	0.03	91.45	0.02	15	8.9	2.6	2.7	ASRS		
24	2003	4	20	21	30	53.5	0.51	51.00	0.03	93.56	0.03	15	8.7		2.6	ASRS		
25	2003	4	21	9	57	38.0	0.18	51.47	0.01	98.37	0.01	15	9.2	2.8	2.9	ASRS		
26	2003	4	25	7	5	31.3	0.73	45.86	0.03	96.47	0.04	15	11.0	3.9	3.9	ASRS		
27	2003	4	28	22	29	12.6	1.06	45.55	0.05	78.98	0.08	15	9.9		3.3	ASRS		
28	2003	5	4	0	36	22.7	0.92	48.48	0.04	89.60	0.04	15	8.9	2.7	2.7	ASRS		
29	2003	5	4	2	7	14.1	0.71	48.55	0.03	89.61	0.04	15	9.8	2.9	3.2	ASRS		
30	2003	5	5	20	9	19.6	0.59	50.15	0.02	84.38	0.04	15	10.2	3.7	3.4	ASRS		
31	2003	5	6	0	52	49.9	0.77	48.56	0.04	89.68	0.03	15	8.9	3.0	2.7	ASRS		
32	2003	5	7	2	57	58.7	0.60	48.56	0.03	89.62	0.03	15	13.5	5.3	5.3	ASRS		
33	2003	5	7	20	2	36.5	0.82	48.48	0.04	89.59	0.03	15	9.3	2.9	2.9	ASRS		
34	2003	5	9	22	27	5.2	0.56	48.50	0.03	89.64	0.02	15	9.0	2.9	2.8	ASRS		
35	2003	5	12	14	1	57.5	0.97	48.51	0.05	89.60	0.04	15	9.4	3.2	3.0	ASRS		
36	2003	5	15	10	59	28.1	2.42	46.95	0.10	81.03	0.12	15	10.1	3.3	3.4	ASRS		
37	2003	5	18	23	4	34.3	0.71	48.53	0.03	89.59	0.04	15	10.0	3.1	3.3	ASRS		
38	2003	5	20	9	43	14.0	0.19	51.22	0.02	98.16	0.01	15	10.3		3.5	ASRS		
39	2003	5	29	2	23	57.3	1.07	48.45	0.05	89.58	0.04	15	9.6	3.0	3.1	ASRS		
40	2003	5	30	4	32	34.6	0.24	51.31	0.02	98.43	0.02	15	12.4	4.1	4.7	ASRS	11	
41	2003	6	6	3	48	2.7	0.20	51.31	0.02	98.35	0.01	15	9.6	2.5	3.1	ASRS		
42	2003	6	6	23	55	10.5	0.83	45.81	0.04	82.93	0.08	15	9.7		3.2	ASRS		
43	2003	6	10	20	5	22.3	1.30	44.92	0.06	80.47	0.10	15	9.9		3.3	ASRS		
44	2003	6	11	6	59	51.8	0.63	48.48	0.03	89.58	0.03	15	12.2	4.5	4.6	ASRS		
45	2003	6	18	8	0	51.9	0.54	50.37	0.03	89.98	0.03	15	8.8	2.6	2.7	ASRS		
46	2003	6	20	11	57	23.1	0.48	51.03	0.03	93.02	0.03	15	8.7	2.6	2.6	ASRS		
47	2003	6	20	15	33	36.8	3.47	47.16	0.12	78.23	0.16	15	9.1		2.8	ASRS		
48	2003	6	23	16	38	44.8	0.19	51.19	0.02	98.39	0.01	15	8.9	2.8	2.7	ASRS		
49	2003	6	29	18	35	10.0		45.20		80.00		15	9.9		3.3	ASRS		
50	2003	7	2	5	43	3.0		49.30		85.40		15	9.6		3.1	ASRS		
51	2003	7	3	9	23	47.8	0.43	50.27	0.03	91.19	0.03	15	11.5	4.2	4.2	ASRS		
52	2003	7	3	9	40	41.4	0.38	50.30	0.02	91.16	0.02	15	9.0	2.7	2.8	ASRS		
53	2003	7	4	10	34	20.0		54.00		87.10		15	9.9		3.3	ASRS	Взрыв	

<sup>8</sup> Ощущалось в Шушенском.<sup>9</sup> Ощущалось в Омской области<sup>10</sup> Ощущалось в Новокузнецке.<sup>11</sup> Иркутск – 2 балла.

Каталоги землетрясений по различным регионам России

№	Дата, год м д			Время, $t_0$ , ч мин с			$\delta t_0$ , с	Гипоцентр					$K_p$	Магнитуды		Код сети	I, примечания
								$\varphi$ , °N	$\delta\varphi$ , °	$\lambda$ , °E	$\delta\lambda$ , °	$h$ , км		$\delta h$ , км	MLH		
54	2003	7	7	2	47	41.6	0.20	51.02	0.01	99.96	0.01	15	9.1		2.8	ASRS	
55	2003	7	7	17	19	37.0	0.31	49.14	0.02	98.49	0.02	15	9.1		2.8	ASRS	
56	2003	7	9	20	31	46.5	0.38	50.54	0.02	89.52	0.03	15	9.2	2.8	2.9	ASRS	
57	2003	7	20	0	16	18.6	1.82	45.76	0.15	90.69	0.34	15	8.8		2.7	ASRS	
58	2003	7	21	2	10	17.1	1.41	44.00	0.08	81.51	0.14	15	10.4	3.5	3.6	ASRS	
59	2003	7	22	22	46	29.5	0.24	51.36	0.02	99.57	0.02	15	8.7	2.4	2.6	ASRS	
60	2003	7	23	8	5	7.4	0.78	48.66	0.04	93.05	0.04	15	10.4		3.6	ASRS	
61	2003	7	23	11	4	11.4	0.27	51.32	0.02	97.95	0.02	15	8.7	2.9	2.6	ASRS	
62	2003	7	23	11	13	21.9	0.16	51.31	0.01	98.43	0.01	15	9.4		3.0	ASRS	
63	2003	7	25	22	40	17.3	0.35	50.44	0.02	90.05	0.02	15	9.9		3.3	ASRS	
64	2003	7	31	3	54	25.3	0.37	51.22	0.02	90.15	0.03	15	9.4	2.5	3.0	ASRS	
65	2003	7	31	23	25	12.8	0.90	45.27	0.07	79.11	0.11	15	11.0		3.9	ASRS	
66	2003	8	1	6	55	20.5	1.45	45.02	0.11	79.52	0.20	15	8.7		2.6	ASRS	
67	2003	8	6	18	19	54.4	2.17	44.16	0.12	81.38	0.22	15	9.4		3.0	ASRS	
68	2003	8	13	2	0	34.7	0.24	53.55	0.02	97.44	0.02	15	9.4		3.0	ASRS	
69	2003	8	15	1	19	7.1	0.19	50.24	0.01	97.93	0.01	15	9.2		2.9	ASRS	
70	2003	8	16	10	32	10.0		54.00		87.30		15	10.3		3.5	ASRS	Взрыв
71	2003	8	17	18	49	33.2	1.20	46.64	0.05	93.98	0.06	15	8.9		2.7	ASRS	
72	2003	8	20	23	42	54.4	0.84	46.13	0.04	81.37	0.07	15	8.9		2.7	ASRS	
73	2003	8	26	1	32	38.7	0.67	47.28	0.03	89.62	0.04	15	11.4	3.9	4.1	ASRS	
74	2003	8	28	14	10	10.7	0.58	47.18	0.02	90.53	0.04	15	9.9		3.3	ASRS	
75	2003	8	30	22	26	43.6	0.64	47.26	0.03	92.37	0.04	15	10.7		3.7	ASRS	
76	2003	9	4	13	51	14.1	0.64	49.27	0.03	94.65	0.04	15	10.3	3.3	3.5	ASRS	
77	2003	9	14	12	6	47.2	0.18	50.81	0.01	98.53	0.01	15	9.3	2.6	2.9	ASRS	
78	2003	9	15	9	35	6.6	0.31	53.65	0.01	84.92	0.03	15	9.2	2.8	2.9	ASRS	12
79	2003	9	15	9	39	24.8	0.98	45.61	0.04	82.24	0.08	15	9.1		2.8	ASRS	
80	2003	9	15	20	38	43.3	0.55	48.30	0.03	88.77	0.03	15	10.9	3.5	3.8	ASRS	
81	2003	9	16	0	5	8.3	0.16	51.05	0.01	99.90	0.01	15	8.9		2.7	ASRS	
82	2003	9	21	5	15	51.1	1.08	44.95	0.05	82.41	0.09	15	10.4		3.6	ASRS	
83	2003	9	27	11	33	25.1	0.52	50.03	0.04	87.97	0.04	15	17.0	7.3	7.2	ASRS	13
84	2003	9	27	11	36	33.3	1.25	50.05	0.03	87.23	0.07	15	11.0		3.9	ASRS	
85	2003	9	27	11	36	56.6	1.01	50.57	0.06	87.71	0.08	15	10.2		3.4	ASRS	
86	2003	9	27	11	37	5.3	1.64	50.78	0.07	87.75	0.14	15	11.6		4.2	ASRS	
87	2003	9	27	11	39	10.4	0.49	50.58	0.10	87.27	0.13	15	10.2		3.4	ASRS	
88	2003	9	27	11	39	32.1	0.69	50.62	0.04	87.28	0.07	15	10.6		3.7	ASRS	
89	2003	9	27	11	39	57.3	0.51	50.70	0.02	87.36	0.05	15	9.9		3.3	ASRS	
90	2003	9	27	11	42	8.5	0.59	50.79	0.03	87.65	0.07	15	9.9		3.3	ASRS	
91	2003	9	27	11	43	14.7	0.32	49.96	0.02	87.91	0.02	15	11.6		4.2	ASRS	
92	2003	9	27	11	43	44.0	0.25	50.03	0.01	88.06	0.01	15	10.0		3.3	ASRS	
93	2003	9	27	11	44	12.9	0.20	50.12	0.02	88.19	0.02	15	10.1		3.4	ASRS	
94	2003	9	27	11	44	32.2	0.24	50.13	0.02	88.08	0.02	15	9.8		3.2	ASRS	
95	2003	9	27	11	44	41.9	0.44	50.05	0.02	87.94	0.03	15	10.1		3.4	ASRS	
96	2003	9	27	11	44	42.5	0.20	50.07	0.01	87.96	0.02	15	10.6		3.7	ASRS	
97	2003	9	27	11	45	15.4	0.12	50.50	0.01	88.25	0.01	15	9.5		3.1	ASRS	
98	2003	9	27	11	45	19.7	0.18	50.13	0.01	88.03	0.01	15	9.2		2.9	ASRS	
99	2003	9	27	11	45	33.5	0.22	50.41	0.01	88.20	0.02	15	9.4		3.0	ASRS	
100	2003	9	27	11	45	47.1	0.48	50.36	0.03	88.23	0.04	15	9.7		3.2	ASRS	
101	2003	9	27	11	46	2.4	0.25	49.96	0.02	88.14	0.02	15	10.4		3.6	ASRS	
102	2003	9	27	11	46	19.2	0.87	49.76	0.04	88.10	0.03	15	9.6		3.1	ASRS	
103	2003	9	27	11	47	13.5	0.59	49.99	0.03	88.07	0.03	15	10.0		3.3	ASRS	
104	2003	9	27	11	47	19.3	0.67	49.83	0.03	87.98	0.03	15	9.3		2.9	ASRS	
105	2003	9	27	11	48	36.5	0.74	49.92	0.04	88.13	0.05	15	11.1		3.9	ASRS	
106	2003	9	27	11	49	13.5	2.17	49.90	0.11	87.96	0.10	15	9.9		3.3	ASRS	
107	2003	9	27	11	49	24.0	0.73	50.20	0.04	87.62	0.05	15	8.8		2.7	ASRS	
108	2003	9	27	11	50	5.8	0.21	49.91	0.01	88.27	0.01	15	9.7		3.2	ASRS	
109	2003	9	27	11	50	59.6	0.47	50.04	0.03	87.98	0.03	15	9.2		2.9	ASRS	
110	2003	9	27	11	51	43.4	0.25	49.96	0.02	88.33	0.02	15	10.5		3.6	ASRS	
111	2003	9	27	11	51	45.4	2.25	49.60	0.10	88.03	0.07	15	10.0		3.3	ASRS	
112	2003	9	27	11	52	8.2	0.90	50.00	0.04	87.65	0.04	15	9.0		2.8	ASRS	
113	2003	9	27	11	52	23.3	0.52	50.03	0.03	87.85	0.03	15	8.7		2.6	ASRS	
114	2003	9	27	11	52	26.4	2.85	49.86	0.12	87.74	0.13	15	9.5		3.1	ASRS	
115	2003	9	27	11	52	31.2	0.53	50.07	0.03	87.99	0.02	15	8.9		2.7	ASRS	
116	2003	9	27	11	53	5.9	0.29	50.08	0.02	88.02	0.02	15	9.2		2.9	ASRS	

<sup>12</sup> Ощущалось в Залесово

<sup>13</sup> Чуйское землетрясение.

Бельтир, Кош-Агач – 8 баллов, Акташ – 6–7 баллов, Таштагол – 6 баллов, Прокопьевск – 5–6 баллов, Новосибирск, Усть-Каменогорск, Семипалатинск – 4 балла, Абакан – 3–4 балла, Красноярск, Зайсан, Кемерово – 3 балла, Барнаул, Алма-Ата, Талды-Курган, Астана – 2–3 балла.

№	Дата,			Время, $t_0$ ,			$\delta t_0$ , с	Гипоцентр						$K_p$	Магнитуды		Код сети	I, примечания
	год	м	д	ч	мин	с		$\varphi$ , °N	$\delta\varphi$ , °	$\lambda$ , °E	$\delta\lambda$ , °	$h$ , км	$\delta h$ , км		MLH	M		
117	2003	9	27	11	53	40.2	0.37	49.96	0.02	87.90	0.02	15	9.3	2.9	ASRS			
118	2003	9	27	11	54	32.5	0.19	49.89	0.01	88.18	0.01	15	9.5	3.1	ASRS			
119	2003	9	27	11	55	35.0	0.41	49.91	0.02	88.05	0.02	15	10.3	3.5	ASRS			
120	2003	9	27	11	55	40.7	0.52	49.83	0.03	87.99	0.02	15	11.1	3.9	ASRS			
121	2003	9	27	11	57	4.7	0.28	49.84	0.02	88.13	0.02	15	10.6	3.7	ASRS			
122	2003	9	27	11	58	7.1	0.40	49.93	0.02	88.13	0.02	15	13.1	5.1	ASRS			
123	2003	9	27	11	59	42.0	0.15	50.09	0.01	87.81	0.01	15	11.3	4.1	ASRS			
124	2003	9	27	12	1	9.2	0.71	50.08	0.05	88.14	0.06	15	9.9	3.3	ASRS			
125	2003	9	27	12	2	42.4	0.35	49.86	0.02	88.26	0.03	15	10.7	3.7	ASRS			
126	2003	9	27	12	4	24.4	0.21	49.89	0.01	88.09	0.02	15	9.9	3.3	ASRS			
127	2003	9	27	12	5	10.9	0.23	49.85	0.01	87.98	0.02	15	10.5	3.6	ASRS			
128	2003	9	27	12	6	23.9	0.39	50.27	0.02	87.68	0.03	15	8.6	2.6	ASRS			
129	2003	9	27	12	6	51.9	0.38	50.05	0.02	88.03	0.03	15	8.8	2.7	ASRS			
130	2003	9	27	12	7	43.1	0.14	50.06	0.01	88.10	0.01	15	9.6	3.1	ASRS			
131	2003	9	27	12	8	47.0	1.08	49.83	0.06	87.83	0.07	15	9.0	2.8	ASRS			
132	2003	9	27	12	9	14.8	0.20	49.98	0.01	88.08	0.02	15	10.0	3.3	ASRS			
133	2003	9	27	12	9	37.3	0.47	49.82	0.03	88.17	0.03	15	10.5	3.6	ASRS			
134	2003	9	27	12	10	37.1	0.23	50.00	0.02	88.22	0.02	15	9.8	3.2	ASRS			
135	2003	9	27	12	10	46.5	0.25	49.80	0.01	88.20	0.01	15	10.8	3.8	ASRS			
136	2003	9	27	12	13	23.6	0.26	49.93	0.02	88.29	0.02	15	9.6	3.1	ASRS			
137	2003	9	27	12	14	32.9	0.27	50.00	0.02	88.05	0.02	15	10.9	3.8	ASRS			
138	2003	9	27	12	15	9.9	0.28	50.06	0.02	88.08	0.02	15	10.0	3.3	ASRS			
139	2003	9	27	12	15	57.6	0.49	49.92	0.02	87.95	0.02	15	11.3	4.1	ASRS			
140	2003	9	27	12	17	16.2	0.43	49.93	0.02	88.03	0.03	15	9.1	2.8	ASRS			
141	2003	9	27	12	17	48.8	0.19	50.05	0.01	87.96	0.01	15	10.3	3.5	ASRS			
142	2003	9	27	12	17	57.7	0.73	49.98	0.04	87.97	0.05	15	9.9	3.3	ASRS			
143	2003	9	27	12	19	33.5	0.27	50.00	0.02	87.90	0.02	15	9.8	3.2	ASRS			
144	2003	9	27	12	20	50.4	0.43	49.96	0.03	88.03	0.03	15	8.8	2.7	ASRS			
145	2003	9	27	12	20	55.6	0.43	49.93	0.02	88.15	0.03	15	9.1	2.8	ASRS			
146	2003	9	27	12	22	44.5	0.25	49.89	0.02	88.18	0.02	15	9.4	3.0	ASRS			
147	2003	9	27	12	23	17.8	0.48	49.99	0.03	87.96	0.03	15	8.7	2.6	ASRS			
148	2003	9	27	12	25	7.3	0.39	50.04	0.02	88.05	0.03	15	8.9	2.7	ASRS			
149	2003	9	27	12	25	50.4	0.19	50.03	0.01	87.91	0.02	15	10.0	3.3	ASRS			
150	2003	9	27	12	27	19.7	0.20	49.94	0.01	87.87	0.01	15	10.2	3.4	ASRS			
151	2003	9	27	12	27	49.0	0.51	50.62	0.02	88.62	0.04	15	9.0	2.8	ASRS			
152	2003	9	27	12	28	3.0	0.30	50.22	0.02	88.25	0.02	15	8.6	2.6	ASRS			
153	2003	9	27	12	28	11.7	0.11	49.79	0.01	87.98	0.01	15	10.2	3.4	ASRS			
154	2003	9	27	12	29	19.4	0.12	50.06	0.01	88.08	0.01	15	9.1	2.8	ASRS			
155	2003	9	27	12	30	0.4	0.18	49.92	0.01	88.18	0.01	15	10.3	3.5	ASRS			
156	2003	9	27	12	31	53.8	0.24	49.87	0.02	88.25	0.02	15	10.2	3.4	ASRS			
157	2003	9	27	12	33	3.5	0.71	50.02	0.04	87.75	0.04	15	8.6	2.6	ASRS			
158	2003	9	27	12	33	11.4	0.23	50.08	0.02	88.20	0.02	15	9.3	2.9	ASRS			
159	2003	9	27	12	33	51.8	0.32	50.30	0.02	88.37	0.03	15	8.6	2.6	ASRS			
160	2003	9	27	12	33	59.3	0.46	50.32	0.02	88.64	0.04	15	8.6	2.6	ASRS			
161	2003	9	27	12	35	22.4	0.27	49.85	0.02	88.18	0.02	15	9.0	2.8	ASRS			
162	2003	9	27	12	37	0.3	0.29	50.03	0.02	87.83	0.02	15	8.8	2.7	ASRS			
163	2003	9	27	12	38	9.9	0.48	49.87	0.03	88.21	0.03	15	10.4	3.6	ASRS			
164	2003	9	27	12	38	48.5	0.22	50.17	0.02	88.19	0.02	15	9.0	2.8	ASRS			
165	2003	9	27	12	39	44.5	0.15	49.95	0.01	88.34	0.01	15	9.7	3.2	ASRS			
166	2003	9	27	12	40	12.2	0.29	50.08	0.02	87.89	0.02	15	9.3	2.9	ASRS			
167	2003	9	27	12	41	29.7	0.23	50.08	0.02	87.94	0.02	15	9.4	3.0	ASRS			
168	2003	9	27	12	42	17.7	0.55	49.92	0.03	88.04	0.03	15	9.4	3.0	ASRS			
169	2003	9	27	12	42	24.7	0.39	49.96	0.02	88.14	0.03	15	9.2	2.9	ASRS			
170	2003	9	27	12	42	53.6	0.20	50.05	0.01	87.97	0.02	15	9.6	3.1	ASRS			
171	2003	9	27	12	43	18.1	0.17	50.08	0.01	88.23	0.02	15	9.6	3.1	ASRS			
172	2003	9	27	12	46	20.5	0.27	49.85	0.02	88.27	0.02	15	10.1	3.4	ASRS			
173	2003	9	27	12	47	14.9	0.39	50.07	0.03	88.37	0.04	15	8.6	2.6	ASRS			
174	2003	9	27	12	48	20.3	0.18	50.03	0.01	88.18	0.02	15	9.3	2.9	ASRS			
175	2003	9	27	12	48	39.2	0.44	49.81	0.03	88.25	0.03	15	8.9	2.7	ASRS			
176	2003	9	27	12	50	17.6	0.26	49.85	0.02	88.16	0.02	15	10.6	3.7	ASRS			
177	2003	9	27	12	50	41.0	0.49	49.83	0.03	88.22	0.03	15	10.2	3.4	ASRS			
178	2003	9	27	12	50	54.6	0.27	49.89	0.02	88.29	0.03	15	9.6	3.1	ASRS			
179	2003	9	27	12	51	2.5	0.41	50.02	0.32	88.29	0.04	15	9.4	3.0	ASRS			
180	2003	9	27	12	52	12.5	0.28	49.99	0.02	88.09	0.02	15	8.7	2.6	ASRS			
181	2003	9	27	12	53	51.9	0.38	49.86	0.02	87.87	0.03	15	8.7	2.6	ASRS			
182	2003	9	27	12	55	17.2	0.18	50.10	0.01	87.82	0.01	15	9.3	2.9	ASRS			
183	2003	9	27	12	56	18.6	0.25	49.99	0.02	88.05	0.02	15	9.8	3.2	ASRS			
184	2003	9	27	12	57	15.4	0.53	49.96	0.02	88.17	0.03	15	8.9	2.7	ASRS			
185	2003	9	27	12	59	22.6	0.66	49.88	0.03	88.39	0.04	15	9.0	2.8	ASRS			

Каталоги землетрясений по различным регионам России

№	Дата,			Время, $t_0$ ,			$\delta t_0$ , с	Гипоцентр						$K_p$	Магнитуды		Код сети	I, примечания
	год	м	д	ч	мин	с		$\varphi$ , °N	$\delta\varphi$ , °	$\lambda$ , °E	$\delta\lambda$ , °	$h$ , км	$\delta h$ , км		MLH	M		
186	2003	9	27	12	59	50.0	1.95	49.97	0.06	87.95	0.09	15	8.8		2.7	ASRS		
187	2003	9	27	13	0	21.4	1.49	50.04	0.04	88.10	0.06	15	8.9		2.7	ASRS		
188	2003	9	27	13	1	11.4	0.68	50.16	0.03	87.83	0.04	15	8.7		2.6	ASRS		
189	2003	9	27	13	2	32.4	0.67	49.96	0.03	88.14	0.04	15	8.7		2.6	ASRS		
190	2003	9	27	13	3	8.3	0.44	49.95	0.02	88.14	0.02	15	12.6	4.5	4.8	ASRS		
191	2003	9	27	13	4	50.6	2.30	49.96	0.08	87.35	0.05	15	8.9		2.7	ASRS		
192	2003	9	27	13	5	38.1	1.47	50.03	0.04	88.06	0.06	15	8.7		2.6	ASRS		
193	2003	9	27	13	7	57.7	0.62	49.97	0.02	87.92	0.03	15	9.4		3.0	ASRS		
194	2003	9	27	13	10	33.7	0.42	49.66	0.01	87.69	0.02	15	9.3		2.9	ASRS		
195	2003	9	27	13	11	38.0	0.64	49.71	0.02	87.96	0.03	15	8.8		2.7	ASRS		
196	2003	9	27	13	12	17.3	0.48	49.87	0.02	88.21	0.03	15	8.8		2.7	ASRS		
197	2003	9	27	13	12	37.7	0.78	49.92	0.03	88.03	0.04	15	8.7		2.6	ASRS		
198	2003	9	27	13	13	18.0	0.53	49.84	0.02	88.00	0.03	15	9.3		2.9	ASRS		
199	2003	9	27	13	13	54.6	1.48	50.02	0.05	88.00	0.06	15	8.6		2.6	ASRS		
200	2003	9	27	13	15	36.6	0.61	50.02	0.02	88.04	0.03	15	8.6		2.6	ASRS		
201	2003	9	27	13	16	5.4	0.81	50.09	0.03	87.85	0.04	15	9.4		3.0	ASRS		
202	2003	9	27	13	16	44.8	0.47	50.04	0.02	87.86	0.02	15	13.3	4.9	5.2	ASRS		
203	2003	9	27	13	18	40.0	2.94	49.95	0.09	87.95	0.11	15	10.0		3.3	ASRS		
204	2003	9	27	13	19	27.4	0.28	50.55	0.01	88.11	0.02	15	9.1		2.8	ASRS		
205	2003	9	27	13	21	26.0	0.74	50.40	0.02	88.28	0.04	15	8.9		2.7	ASRS		
206	2003	9	27	13	26	16.7	0.47	49.98	0.02	87.96	0.03	15	8.6		2.6	ASRS		
207	2003	9	27	13	28	43.5	0.83	49.86	0.03	88.01	0.04	15	8.6		2.6	ASRS		
208	2003	9	27	13	33	32.1	2.86	49.75	0.09	88.22	0.11	15	8.8		2.7	ASRS		
209	2003	9	27	13	34	32.8	0.26	50.12	0.01	87.90	0.01	15	10.7		3.7	ASRS		
210	2003	9	27	13	36	34.3	3.19	49.90	0.10	88.22	0.13	15	9.2		2.9	ASRS		
211	2003	9	27	13	37	12.5	1.35	49.74	0.04	87.87	0.05	15	9.6		3.1	ASRS		
212	2003	9	27	13	38	1.2	0.54	49.89	0.03	88.08	0.02	15	12.1		4.5	ASRS		
213	2003	9	27	13	38	39.3	0.96	50.06	0.04	87.97	0.03	15	12.3	4.1	4.6	ASRS		
214	2003	9	27	13	43	3.1	0.78	50.10	0.03	88.22	0.04	15	9.1		2.8	ASRS		
215	2003	9	27	13	51	19.0	0.78	50.04	0.03	87.95	0.04	15	8.6		2.6	ASRS		
216	2003	9	27	13	52	40.3	0.76	49.97	0.03	87.98	0.04	15	9.7		3.2	ASRS		
217	2003	9	27	13	53	49.0	0.33	50.12	0.01	87.95	0.02	15	9.4		3.0	ASRS		
218	2003	9	27	13	55	39.0	0.80	49.86	0.03	88.13	0.04	15	10.4		3.6	ASRS		
219	2003	9	27	13	55	59.7	2.72	49.95	0.09	87.92	0.10	15	9.7		3.2	ASRS		
220	2003	9	27	13	59	50.7	0.91	50.01	0.03	88.05	0.05	15	9.5		3.1	ASRS		
221	2003	9	27	14	3	12.7	0.37	49.96	0.02	88.04	0.02	15	9.1		2.8	ASRS		
222	2003	9	27	14	4	59.6	0.46	49.90	0.02	88.09	0.03	15	10.5		3.6	ASRS		
223	2003	9	27	14	6	35.0	0.85	50.07	0.03	87.84	0.04	15	9.1		2.8	ASRS		
224	2003	9	27	14	7	52.5	2.33	50.11	0.09	87.97	0.10	15	9.2		2.9	ASRS		
225	2003	9	27	14	8	49.0	0.79	50.11	0.03	87.96	0.04	15	9.6		3.1	ASRS		
226	2003	9	27	14	9	50.6	1.52	50.05	0.05	87.99	0.08	15	9.6		3.1	ASRS		
227	2003	9	27	14	15	19.0	1.59	50.00	0.06	87.93	0.09	15	9.0		2.8	ASRS		
228	2003	9	27	14	16	7.2	1.33	49.92	0.04	88.16	0.05	15	9.1		2.8	ASRS		
229	2003	9	27	14	17	12.9	0.56	49.97	0.02	88.06	0.03	15	10.8		3.8	ASRS		
230	2003	9	27	14	18	24.4	0.64	50.06	0.02	87.87	0.03	15	10.7		3.7	ASRS		
231	2003	9	27	14	20	32.6	1.03	50.21	0.04	87.72	0.05	15	8.6		2.6	ASRS		
232	2003	9	27	14	24	45.0	0.57	49.94	0.02	88.12	0.04	15	8.9		2.7	ASRS		
233	2003	9	27	14	26	7.0	0.92	49.99	0.04	88.10	0.05	15	8.6		2.6	ASRS		
234	2003	9	27	14	30	30.4	2.47	49.88	0.09	88.14	0.11	15	8.7		2.6	ASRS		
235	2003	9	27	14	31	38.7	0.48	50.13	0.02	87.91	0.03	15	11.2		4.0	ASRS		
236	2003	9	27	14	33	31.9	1.86	50.00	0.06	88.05	0.08	15	10.3		3.5	ASRS		
237	2003	9	27	14	34	14.8	1.43	50.09	0.04	87.90	0.07	15	10.5		3.6	ASRS		
238	2003	9	27	14	36	20.2	2.96	49.90	0.09	88.12	0.12	15	8.7		2.6	ASRS		
239	2003	9	27	14	38	2.7	0.59	49.97	0.03	87.99	0.03	15	10.0		3.3	ASRS		
240	2003	9	27	14	39	12.2	1.07	50.01	0.04	87.89	0.06	15	9.4		3.0	ASRS		
241	2003	9	27	14	41	0.6	0.34	50.06	0.01	87.99	0.02	15	9.9		3.3	ASRS		
242	2003	9	27	14	42	10.3	0.81	50.06	0.03	88.00	0.04	15	9.8		3.2	ASRS		
243	2003	9	27	14	42	25.6	0.68	50.49	0.03	87.52	0.07	15	9.4		3.0	ASRS		
244	2003	9	27	14	46	35.0	0.84	50.06	0.04	88.04	0.06	15	9.1		2.8	ASRS		
245	2003	9	27	14	48	33.1	1.35	49.82	0.08	88.05	0.08	15	9.0		2.8	ASRS		
246	2003	9	27	14	52	23.9	0.36	50.01	0.02	88.07	0.03	15	9.0		2.8	ASRS		
247	2003	9	27	14	54	10.4	0.37	49.90	0.03	88.14	0.03	15	10.9		3.8	ASRS		
248	2003	9	27	14	56	3.8	0.40	50.10	0.03	87.83	0.03	15	10.2		3.4	ASRS		
249	2003	9	27	14	57	1.6	0.53	50.10	0.04	87.96	0.05	15	9.3		2.9	ASRS		
250	2003	9	27	14	59	55.9	0.49	49.95	0.03	88.14	0.04	15	9.1		2.8	ASRS		
251	2003	9	27	15	1	4.1	0.39	50.04	0.03	88.08	0.04	15	8.7		2.6	ASRS		
252	2003	9	27	15	1	30.6	0.99	49.87	0.05	88.12	0.06	15	8.6		2.6	ASRS		
253	2003	9	27	15	4	28.4	0.41	50.04	0.02	88.06	0.02	15	10.5		3.6	ASRS		
254	2003	9	27	15	5	2.7	0.34	50.06	0.03	88.23	0.03	15	9.0		2.8	ASRS		

№	Дата, год м д			Время, $t_0$ , ч мин с			$\delta t_0$ , с	Гипоцентр						$K_p$	Магнитуды		Код сети	I, примечания
	$\varphi$ , °N	$\delta\varphi$ , °	$\lambda$ , °E	$\delta\lambda$ , °	$h$ , км	$\delta h$ , км		$MLH$	$M$									
255	2003	9	27	15	7	20.5	0.20	50.11	0.01	87.79	0.02	15	10.1		3.4	ASRS		
256	2003	9	27	15	12	9.4	0.30	49.90	0.02	88.21	0.03	15	9.4		3.0	ASRS		
257	2003	9	27	15	16	4.0	0.23	50.06	0.02	87.88	0.02	15	9.3		2.9	ASRS		
258	2003	9	27	15	16	51.3	0.54	49.89	0.03	88.16	0.03	15	11.1	3.6	3.9	ASRS		
259	2003	9	27	15	20	50.3	1.52	49.80	0.09	88.14	0.10	15	8.6		2.6	ASRS		
260	2003	9	27	15	22	28.0	0.38	49.97	0.03	87.99	0.03	15	8.9		2.7	ASRS		
261	2003	9	27	15	23	9.7	2.38	50.26	0.07	87.05	0.11	15	8.7		2.6	ASRS		
262	2003	9	27	15	23	47.8	2.33	50.03	0.08	87.65	0.08	15	8.8		2.7	ASRS		
263	2003	9	27	15	27	4.3	1.64	50.36	0.04	88.25	0.09	15	9.1		2.8	ASRS		
264	2003	9	27	15	31	23.2	0.45	50.03	0.02	87.91	0.02	15	11.9	4.2	4.4	ASRS		
265	2003	9	27	15	33	44.5	1.60	50.05	0.05	87.99	0.06	15	10.1		3.4	ASRS		
266	2003	9	27	15	36	49.7	0.43	49.82	0.02	88.05	0.02	15	8.8		2.7	ASRS		
267	2003	9	27	15	41	29.6	0.55	49.88	0.02	88.15	0.03	15	9.7		3.2	ASRS		
268	2003	9	27	15	43	1.5	0.69	49.90	0.03	88.00	0.04	15	9.3		2.9	ASRS		
269	2003	9	27	15	49	9.0	0.43	49.98	0.02	88.10	0.02	15	11.8	4.3	4.3	ASRS		
270	2003	9	27	15	51	30.5	1.54	49.98	0.05	88.18	0.06	15	9.4		3.0	ASRS		
271	2003	9	27	15	53	40.8	0.54	50.16	0.03	87.89	0.02	15	11.2	3.8	4.0	ASRS		
272	2003	9	27	15	58	13.8	0.80	50.06	0.03	87.85	0.04	15	8.8		2.7	ASRS		
273	2003	9	27	16	0	44.5	0.55	49.97	0.02	87.91	0.03	15	8.9		2.7	ASRS		
274	2003	9	27	16	1	36.5	0.55	50.04	0.02	87.94	0.03	15	10.1		3.4	ASRS		
275	2003	9	27	16	4	42.4	0.65	49.99	0.02	87.90	0.03	15	8.6		2.6	ASRS		
276	2003	9	27	16	7	7.7	0.59	49.89	0.02	88.20	0.03	15	10.2		3.4	ASRS		
277	2003	9	27	16	14	38.1	0.88	49.95	0.03	88.02	0.05	15	9.3		2.9	ASRS		
278	2003	9	27	16	16	57.8	0.51	49.86	0.02	88.31	0.03	15	10.6		3.7	ASRS		
279	2003	9	27	16	20	4.9	0.80	49.90	0.03	88.20	0.04	15	10.3		3.5	ASRS		
280	2003	9	27	16	22	6.2	0.69	49.88	0.03	88.12	0.04	15	10.1		3.4	ASRS		
281	2003	9	27	16	24	14.9	0.53	49.87	0.02	88.16	0.03	15	9.7		3.2	ASRS		
282	2003	9	27	16	28	58.2	0.56	49.87	0.02	88.13	0.03	15	9.0		2.8	ASRS		
283	2003	9	27	16	29	2.1	0.84	49.76	0.03	88.19	0.05	15	9.0		2.8	ASRS		
284	2003	9	27	16	34	3.2	0.51	50.02	0.02	88.02	0.03	15	10.8		3.8	ASRS		
285	2003	9	27	16	35	30.9	2.27	50.03	0.07	88.08	0.09	15	8.6		2.6	ASRS		
286	2003	9	27	16	39	5.3	0.31	49.77	0.01	88.09	0.02	15	9.6		3.1	ASRS		
287	2003	9	27	16	40	19.3	1.13	49.94	0.04	88.05	0.06	15	9.6		3.1	ASRS		
288	2003	9	27	16	43	9.7	0.70	49.96	0.03	88.17	0.04	15	8.7		2.6	ASRS		
289	2003	9	27	16	46	46.6	0.61	49.89	0.02	88.03	0.03	15	8.9		2.7	ASRS		
290	2003	9	27	16	51	33.3	0.29	50.01	0.01	88.02	0.02	15	10.6		3.7	ASRS		
291	2003	9	27	16	53	0.5	0.49	49.88	0.02	88.21	0.03	15	10.7		3.7	ASRS		
292	2003	9	27	16	53	58.1	1.46	49.76	0.05	88.09	0.06	15	9.0		2.8	ASRS		
293	2003	9	27	16	58	36.5	0.48	50.02	0.02	87.97	0.03	15	8.8		2.7	ASRS		
294	2003	9	27	17	13	57.6	0.72	49.99	0.03	88.19	0.04	15	9.9		3.3	ASRS		
295	2003	9	27	17	30	21.2	0.55	50.11	0.02	87.90	0.03	15	10.2		3.4	ASRS		
296	2003	9	27	17	35	38.1	0.47	49.99	0.02	88.01	0.03	15	8.6		2.6	ASRS		
297	2003	9	27	17	40	47.2	0.62	49.92	0.03	88.25	0.04	15	8.7		2.6	ASRS		
298	2003	9	27	17	41	50.3	0.57	49.98	0.02	87.92	0.03	15	10.2		3.4	ASRS		
299	2003	9	27	17	55	34.7	0.64	49.88	0.02	88.26	0.04	15	10.3		3.5	ASRS		
300	2003	9	27	17	58	53.3	0.78	50.06	0.03	87.90	0.05	15	10.3		3.5	ASRS		
301	2003	9	27	18	1	25.1	0.55	50.03	0.02	87.95	0.03	15	9.1		2.8	ASRS		
302	2003	9	27	18	41	16.1	0.19	49.95	0.01	88.01	0.01	15	8.9		2.7	ASRS		
303	2003	9	27	18	41	52.2	0.38	49.99	0.01	88.03	0.02	15	8.6		2.6	ASRS		
304	2003	9	27	18	45	16.3	0.39	49.99	0.01	87.99	0.02	15	10.0		3.3	ASRS		
305	2003	9	27	18	47	54.3	0.45	49.94	0.02	88.10	0.02	15	8.8		2.7	ASRS		
306	2003	9	27	18	52	50.7		50.23		87.80		15	15.9	6.7	6.6	ASRS		
307	2003	9	27	18	56	17.9	0.30	50.04	0.01	87.84	0.01	15	10.9		3.8	ASRS		
308	2003	9	27	18	57	31.9	0.85	50.04	0.03	87.86	0.03	15	12.0		4.4	ASRS		
309	2003	9	27	18	58	33.0	0.90	50.13	0.03	87.81	0.03	15	10.0		3.3	ASRS		
310	2003	9	27	18	59	56.4	0.23	50.08	0.01	87.77	0.01	15	8.8		2.7	ASRS		
311	2003	9	27	19	0	43.9	1.06	50.19	0.04	87.89	0.04	15	9.0		2.8	ASRS		
312	2003	9	27	19	1	20.3	1.13	50.05	0.04	87.84	0.04	15	9.1		2.8	ASRS		
313	2003	9	27	19	1	28.0	0.95	50.01	0.03	87.89	0.04	15	9.4		3.0	ASRS		
314	2003	9	27	19	2	34.6	0.97	50.17	0.04	87.77	0.04	15	10.0		3.3	ASRS		
315	2003	9	27	19	4	6.6	0.60	50.04	0.02	87.92	0.03	15	8.7		2.6	ASRS		
316	2003	9	27	19	5	2.2	0.33	50.02	0.01	87.86	0.02	15	9.3		2.9	ASRS		
317	2003	9	27	19	6	45.9	0.60	50.09	0.02	87.85	0.03	15	8.7		2.6	ASRS		
318	2003	9	27	19	9	48.0	0.33	49.95	0.01	88.10	0.02	15	9.3		2.9	ASRS		
319	2003	9	27	19	14	20.2	0.59	50.09	0.02	87.91	0.03	15	8.8		2.7	ASRS		
320	2003	9	27	19	18	18.2	0.60	50.07	0.02	87.78	0.02	15	8.8		2.7	ASRS		
321	2003	9	27	19	18	39.0	0.18	50.11	0.01	87.75	0.01	15	9.3		2.9	ASRS		
322	2003	9	27	19	19	45.7	0.51	50.13	0.02	87.90	0.03	15	9.0		2.8	ASRS		
323	2003	9	27	19	24	55.5	0.24	49.88	0.01	88.23	0.01	15	10.2		3.4	ASRS		

Каталоги землетрясений по различным регионам России

№	Дата,			Время, $t_0$ ,			$\delta t_0$ , с	Гипоцентр						$K_p$	Магнитуды		Код сети	I, примечания
	год	м	д	ч	мин	с		$\varphi$ , °N	$\delta\varphi$ , °	$\lambda$ , °E	$\delta\lambda$ , °	$h$ , км	$\delta h$ , км		MLH	M		
324	2003	9	27	19	40	30.0	0.51	50.13	0.02	87.92	0.02	15	9.8		3.2	ASRS		
325	2003	9	27	19	48	55.2	0.79	49.97	0.03	88.14	0.04	15	9.2		2.9	ASRS		
326	2003	9	27	19	49	26.7	1.24	49.93	0.04	88.01	0.05	15	9.3		2.9	ASRS		
327	2003	9	27	19	51	22.7	0.41	49.98	0.02	87.98	0.02	15	8.9		2.7	ASRS		
328	2003	9	27	20	4	12.0	0.42	49.98	0.02	87.99	0.02	15	10.1		3.4	ASRS		
329	2003	9	27	20	11	32.0	0.67	50.11	0.03	87.82	0.03	15	9.9		3.3	ASRS		
330	2003	9	27	20	12	7.4	0.39	50.01	0.02	87.87	0.02	15	10.6		3.7	ASRS		
331	2003	9	27	20	13	52.0	0.40	50.04	0.02	87.99	0.02	15	9.8		3.2	ASRS		
332	2003	9	27	20	15	6.1	0.67	50.13	0.03	87.80	0.03	15	8.6		2.6	ASRS		
333	2003	9	27	20	19	20.8	0.69	50.08	0.03	87.88	0.03	15	8.8		2.7	ASRS		
334	2003	9	27	20	26	43.7	0.61	50.10	0.03	87.79	0.04	15	9.8		3.2	ASRS		
335	2003	9	27	20	27	30.6	0.41	50.10	0.02	87.77	0.02	15	8.6		2.6	ASRS		
336	2003	9	27	20	30	26.8	0.55	50.11	0.03	87.90	0.03	15	12.9	4.7	4.9	ASRS		
337	2003	9	27	20	32	32.7	0.40	50.34	0.02	87.27	0.02	15	9.2		2.9	ASRS		
338	2003	9	27	20	33	9.2	0.33	50.39	0.01	87.21	0.02	15	8.8		2.7	ASRS		
339	2003	9	27	20	34	46.3	0.31	50.14	0.01	87.75	0.01	15	8.7		2.6	ASRS		
340	2003	9	27	20	35	9.0	0.21	50.07	0.01	87.79	0.01	15	9.0		2.8	ASRS		
341	2003	9	27	20	35	20.2	0.55	50.08	0.02	87.82	0.02	15	8.6		2.6	ASRS		
342	2003	9	27	20	36	0.7	0.28	50.10	0.01	87.81	0.01	15	10.9		3.8	ASRS		
343	2003	9	27	20	36	47.5	0.69	49.85	0.02	88.20	0.04	15	10.5		3.6	ASRS		
344	2003	9	27	20	37	28.2	0.42	50.04	0.02	87.91	0.02	15	10.0		3.3	ASRS		
345	2003	9	27	20	39	43.3	0.67	49.95	0.03	87.32	0.02	15	8.6		2.6	ASRS		
346	2003	9	27	20	39	49.0	0.55	49.98	0.02	87.52	0.02	15	8.9		2.7	ASRS		
347	2003	9	27	20	43	29.1	0.79	49.96	0.04	88.00	0.04	15	11.0		3.9	ASRS		
348	2003	9	27	20	58	59.3	1.04	49.86	0.04	88.26	0.05	15	10.2	3.3	3.4	ASRS		
349	2003	9	27	21	1	7.6	0.74	49.86	0.03	88.32	0.04	15	9.4	2.7	3.0	ASRS		
350	2003	9	27	21	2	22.8	0.35	50.09	0.01	87.95	0.02	15	8.6		2.6	ASRS		
351	2003	9	27	21	10	20.6	0.45	49.99	0.02	88.33	0.02	15	10.8	3.7	3.8	ASRS		
352	2003	9	27	21	15	20.0	0.75	50.00	0.03	87.97	0.04	15	10.2	3.3	3.4	ASRS		
353	2003	9	27	21	25	56.5	0.53	49.89	0.02	88.14	0.04	15	9.0		2.8	ASRS		
354	2003	9	27	21	26	4.4	0.36	50.00	0.01	87.82	0.02	15	9.1	2.6	2.8	ASRS		
355	2003	9	27	21	34	4.8	1.20	49.87	0.04	88.29	0.05	15	8.9		2.7	ASRS		
356	2003	9	27	21	35	56.8	0.87	49.90	0.03	88.16	0.04	15	8.7	2.5	2.6	ASRS		
357	2003	9	27	21	47	41.9	0.46	49.97	0.02	88.01	0.02	15	10.0	3.4	3.3	ASRS		
358	2003	9	27	21	49	9.3	0.57	50.04	0.02	87.95	0.03	15	9.5	3.1	3.1	ASRS		
359	2003	9	27	22	2	45.3	0.63	49.95	0.03	88.29	0.03	15	10.9	3.3	3.8	ASRS		
360	2003	9	27	22	8	26.5	0.93	49.84	0.04	88.24	0.05	15	8.6		2.6	ASRS		
361	2003	9	27	22	51	16.1	0.53	49.86	0.02	88.24	0.03	15	8.6		2.6	ASRS		
362	2003	9	27	22	53	19.5	0.63	50.05	0.02	87.92	0.03	15	8.7		2.6	ASRS		
363	2003	9	27	22	54	45.5	0.52	49.94	0.02	88.01	0.03	15	8.8	2.5	2.7	ASRS		
364	2003	9	27	22	57	17.5	0.27	49.94	0.01	88.09	0.01	15	9.1	2.8	2.8	ASRS		
365	2003	9	27	23	3	33.1	0.31	49.98	0.01	88.35	0.02	15	8.8		2.7	ASRS		
366	2003	9	27	23	5	44.3	0.64	49.87	0.02	88.26	0.04	15	9.3	2.7	2.9	ASRS		
367	2003	9	27	23	9	5.6	0.48	49.93	0.02	88.26	0.03	15	9.2	2.7	2.9	ASRS		
368	2003	9	27	23	40	30.8	0.73	49.92	0.04	88.31	0.03	15	11.0	3.7	3.9	ASRS		
369	2003	9	27	23	42	21.6	0.88	49.95	0.03	87.97	0.05	15	9.6	2.9	3.1	ASRS		
370	2003	9	27	23	43	29.8	0.36	50.04	0.01	87.90	0.01	15	8.6	2.6	2.6	ASRS		
371	2003	9	27	23	45	13.4	0.42	49.92	0.02	88.16	0.02	15	8.7		2.6	ASRS		
372	2003	9	27	23	46	39.8	0.50	49.92	0.02	88.13	0.03	15	9.2	2.7	2.9	ASRS		
373	2003	9	27	23	55	3.7	0.38	49.87	0.01	88.20	0.02	15	8.6		2.6	ASRS		
374	2003	9	28	0	18	24.3	0.66	49.85	0.03	88.18	0.04	15	10.1	3.6	3.4	ASRS		
375	2003	9	28	0	21	26.1	0.93	49.90	0.03	88.18	0.04	15	8.7	2.7	2.6	ASRS		
376	2003	9	28	0	24	49.2	0.44	49.99	0.02	87.97	0.02	15	10.1	3.5	3.4	ASRS		
377	2003	9	28	0	35	11.9	0.40	49.94	0.02	88.09	0.02	15	9.9		3.3	ASRS		
378	2003	9	28	0	46	22.7	0.46	49.95	0.02	88.06	0.02	15	9.2	2.8	2.9	ASRS		
379	2003	9	28	0	49	55.2	0.53	49.97	0.02	88.04	0.03	15	8.6		2.6	ASRS		
380	2003	9	28	1	0	54.7	0.85	50.05	0.03	87.90	0.05	15	9.7	3.1	3.2	ASRS		
381	2003	9	28	1	39	54.7	0.56	50.07	0.02	87.73	0.03	15	9.1	2.4	2.8	ASRS		
382	2003	9	28	1	43	46.1	0.61	49.95	0.02	88.01	0.03	15	8.8	2.2	2.7	ASRS		
383	2003	9	28	1	51	17.7	0.37	49.92	0.01	88.14	0.02	15	9.5	2.8	3.1	ASRS		
384	2003	9	28	2	7	20.9	0.60	49.99	0.02	88.00	0.03	15	10.1	3.5	3.4	ASRS		
385	2003	9	28	3	5	3.4	0.42	49.97	0.02	87.90	0.02	15	8.6		2.6	ASRS		
386	2003	9	28	3	19	33.9	0.25	49.98	0.01	87.99	0.01	15	10.4	3.3	3.6	ASRS		
387	2003	9	28	3	27	10.1	0.47	49.98	0.02	88.11	0.02	15	11.0	3.8	3.9	ASRS		
388	2003	9	28	3	38	4.7	0.36	49.95	0.01	88.15	0.02	15	8.7	2.3	2.6	ASRS		
389	2003	9	28	3	53	41.4	0.36	49.82	0.01	87.89	0.02	15	9.0	2.4	2.8	ASRS		
390	2003	9	28	4	13	43.6	0.89	50.01	0.03	88.02	0.05	15	8.6		2.6	ASRS		
391	2003	9	28	4	41	6.8	0.45	49.76	0.02	88.19	0.04	15	9.4		3.0	ASRS		
392	2003	9	28	4	41	17.5	0.49	49.89	0.02	88.12	0.03	15	10.3	3.1	3.5	ASRS		

№	Дата,			Время, $t_0$ ,			$\delta t_0$ , с	Гипоцентр						$K_p$	Магнитуды		Код сети	I, примечания
	год	м	д	ч	мин	с		$\varphi$ , °N	$\delta\varphi$ , °	$\lambda$ , °E	$\delta\lambda$ , °	$h$ , км	$\delta h$ , км		MLH	M		
393	2003	9	28	4	43	46.2	0.44	50.03	0.02	87.93	0.02	15	10.0	3.0	3.3	ASRS		
394	2003	9	28	4	45	52.6	0.51	49.87	0.02	88.20	0.03	15	8.8		2.7	ASRS		
395	2003	9	28	4	51	7.9	0.39	49.90	0.01	88.20	0.02	15	9.7	2.9	3.2	ASRS		
396	2003	9	28	5	17	47.6	0.65	50.09	0.02	87.85	0.03	15	8.7		2.6	ASRS		
397	2003	9	28	6	33	1.5	0.44	50.12	0.02	87.87	0.02	15	9.0	2.6	2.8	ASRS		
398	2003	9	28	6	35	37.7	0.43	49.89	0.02	88.11	0.02	15	8.7	2.6	2.6	ASRS		
399	2003	9	28	7	16	31.3	0.46	49.92	0.02	88.00	0.02	15	9.7	2.8	3.2	ASRS		
400	2003	9	28	7	34	38.2	0.39	49.99	0.01	87.98	0.02	15	10.1	2.8	3.4	ASRS		
401	2003	9	28	7	37	56.8	0.27	50.00	0.01	87.98	0.01	15	8.9		2.7	ASRS		
402	2003	9	28	7	49	48.4	0.41	49.90	0.02	88.17	0.02	15	8.8	2.3	2.7	ASRS		
403	2003	9	28	7	57	23.4	0.45	50.00	0.02	87.77	0.02	15	8.8	2.3	2.7	ASRS		
404	2003	9	28	8	40	54.2	0.48	49.96	0.02	88.04	0.02	15	11.7	4.0	4.3	ASRS		
405	2003	9	28	8	49	11.9	0.42	49.97	0.02	88.06	0.02	15	9.2	2.6	2.9	ASRS		
406	2003	9	28	9	18	5.5	0.63	49.97	0.02	88.02	0.03	15	9.9	2.7	3.3	ASRS		
407	2003	9	28	9	19	43.7	0.27	49.91	0.01	88.23	0.02	15	10.5	3.0	3.6	ASRS		
408	2003	9	28	9	23	38.1	0.37	49.79	0.01	88.20	0.02	15	9.1	2.4	2.8	ASRS		
409	2003	9	28	11	9	6.6	0.92	49.87	0.04	88.30	0.06	15	10.1	3.3	3.4	ASRS		
410	2003	9	28	11	17	49.5	0.57	50.14	0.02	87.77	0.03	15	8.7		2.6	ASRS		
411	2003	9	28	11	38	19.7	0.34	50.13	0.01	87.88	0.02	15	8.8		2.7	ASRS		
412	2003	9	28	11	40	53.7	0.53	49.96	0.02	88.08	0.03	15	9.1		2.8	ASRS		
413	2003	9	28	11	40	53.8	0.32	49.79	0.01	88.13	0.01	15	8.8		2.7	ASRS		
414	2003	9	28	11	43	42.0	0.57	49.96	0.02	88.04	0.03	15	10.1	3.2	3.4	ASRS		
415	2003	9	28	12	5	17.5	0.44	49.85	0.02	88.30	0.02	15	8.9		2.7	ASRS		
416	2003	9	28	12	35	56.6	0.37	50.05	0.01	87.95	0.02	15	10.1	3.0	3.4	ASRS		
417	2003	9	28	13	10	8.5	0.36	49.88	0.01	88.28	0.02	15	9.6		3.1	ASRS		
418	2003	9	28	13	32	12.0	0.44	49.88	0.02	88.19	0.02	15	8.9		2.7	ASRS		
419	2003	9	28	13	39	13.0	0.47	50.07	0.02	87.85	0.02	15	9.0	2.2	2.8	ASRS		
420	2003	9	28	13	45	5.6	0.43	50.04	0.02	88.16	0.02	15	9.2	2.5	2.9	ASRS		
421	2003	9	28	14	2	51.8	0.56	49.91	0.02	88.04	0.03	15	10.1	3.3	3.4	ASRS		
422	2003	9	28	14	53	50.3	0.21	49.90	0.01	88.14	0.01	15	9.7	3.1	3.2	ASRS		
423	2003	9	28	15	3	38.9	0.56	50.07	0.03	87.87	0.03	15	11.2	3.7	4.0	ASRS		
424	2003	9	28	15	31	18.7	0.22	50.02	0.01	87.96	0.02	15	9.9	2.9	3.3	ASRS		
425	2003	9	28	16	0	0.8	0.18	50.05	0.01	87.83	0.01	15	9.5	2.7	3.1	ASRS		
426	2003	9	28	16	2	29.3	0.20	50.10	0.01	87.82	0.02	15	9.3	2.5	2.9	ASRS		
427	2003	9	28	16	20	20.7	0.26	50.10	0.01	87.77	0.02	15	9.0	2.5	2.8	ASRS		
428	2003	9	28	19	33	40.3	0.52	50.08	0.03	87.86	0.03	15	11.2	4.0	4.0	ASRS		
429	2003	9	28	19	43	33.9	0.57	49.97	0.03	88.27	0.03	15	11.4	3.5	4.1	ASRS		
430	2003	9	28	20	2	26.7	0.59	49.97	0.02	88.10	0.03	15	8.6	2.2	2.6	ASRS		
431	2003	9	28	20	12	18.9	0.51	49.91	0.02	88.29	0.03	15	10.3	3.3	3.5	ASRS		
432	2003	9	28	20	38	27.4	0.35	49.97	0.01	88.12	0.02	15	8.6		2.6	ASRS		
433	2003	9	28	21	3	22.9	0.77	49.88	0.03	88.15	0.05	15	10.0	2.9	3.3	ASRS		
434	2003	9	28	21	47	10.3	0.38	49.97	0.01	88.09	0.02	15	8.8	2.4	2.7	ASRS		
435	2003	9	28	22	9	1.1	0.31	49.97	0.01	88.01	0.02	15	8.8	2.7	2.7	ASRS		
436	2003	9	28	22	42	48.2	0.41	49.96	0.02	88.08	0.02	15	9.2	3.2	2.9	ASRS		
437	2003	9	28	23	30	53.9	0.44	50.01	0.02	87.89	0.02	15	10.0	2.8	3.3	ASRS		
438	2003	9	29	2	17	56.0	1.04	50.14	0.05	88.05	0.05	15	12.4		4.7	ASRS		
439	2003	9	29	4	21	19.9	1.24	50.14	0.06	88.04	0.06	15	12.1		4.5	ASRS		
440	2003	9	29	5	32	48.6	0.58	50.06	0.02	87.97	0.04	15	10.0	3.0	3.3	ASRS		
441	2003	9	29	15	27	8.0	1.82	50.30	0.09	87.80	0.08	15	12.9	4.7	4.9	ASRS		
442	2003	9	29	17	5	21.7	1.33	50.23	0.06	87.86	0.07	15	11.9	3.9	4.4	ASRS		
443	2003	9	29	21	28	42.0	2.18	50.10	0.10	87.80	0.11	15	11.9	3.8	4.4	ASRS		
444	2003	9	30	8	27	10.5	1.36	50.10	0.06	88.00	0.06	15	12.7	4.6	4.8	ASRS		
445	2003	9	30	16	11	44.2	0.25	49.89	0.01	88.30	0.02	15	10.3	3.3	3.5	ASRS		
446	2003	9	30	17	38	13.0	1.63	50.20	0.09	87.60	0.07	15	10.1	3.0	3.4	ASRS		
447	2003	10	1	0	59	33.6	1.24	50.24	0.06	87.74	0.06	15	11.8	4.1	4.3	ASRS		
448	2003	10	1	1	3	26.9	0.40	50.18	0.03	87.71	0.04	15	16.4	6.9	6.9	ASRS		
449	2003	10	1	2	38	21.9	1.07	50.34	0.04	87.50	0.07	15	12.3	4.3	4.6	ASRS		
450	2003	10	1	3	3	16.0	2.07	50.10	0.08	88.10	0.14	15	12.1	4.2	4.5	ASRS		
451	2003	10	1	3	17	35.3	1.02	50.27	0.05	87.80	0.05	15	12.3	4.0	4.6	ASRS		
452	2003	10	1	3	58	50.7	1.36	50.29	0.06	87.97	0.08	15	12.8	5.0	4.9	ASRS		
453	2003	10	1	5	44	7.6	1.03	50.28	0.05	87.79	0.05	15	12.6	4.5	4.8	ASRS		
454	2003	10	1	7	16	31.2	1.19	50.16	0.01	87.84	0.01	15	10.2	3.1	3.4	ASRS		
455	2003	10	1	8	9	12.1	1.39	50.29	0.07	87.64	0.06	15	12.3	4.3	4.6	ASRS		
456	2003	10	1	15	32	4.9	0.18	50.18	0.01	87.74	0.01	15	10.0	3.3	3.3	ASRS		
457	2003	10	1	17	36	5.7	1.26	50.09	0.06	88.05	0.06	15	10.3	3.5	3.5	ASRS		
458	2003	10	2	1	46	16.7	0.95	50.21	0.05	87.86	0.05	15	12.5	4.1	4.7	ASRS		
459	2003	10	2	1	52	3.6	1.48	50.00	0.06	87.75	0.08	15	10.8	3.6	3.8	ASRS		
460	2003	10	2	3	12	13.0	0.80	50.28	0.04	87.72	0.04	15	12.9	4.7	4.9	ASRS		
461	2003	10	2	8	3	41.4	0.83	50.32	0.04	87.64	0.04	15	12.4	4.1	4.7	ASRS		

Каталоги землетрясений по различным регионам России

№	Дата,			Время, $t_0$ ,			$\delta t_0$ , с	Гипоцентр						$K_p$	Магнитуды		Код сети	I, примечания
	год	м	д	ч	мин	с		$\varphi$ , °N	$\delta\varphi$ , °	$\lambda$ , °E	$\delta\lambda$ , °	$h$ , км	$\delta h$ , км		MLH	M		
462	2003	10	2	11	0	24.7	0.88	50.23	0.04	87.77	0.04	15	11.6		4.2	ASRS		
463	2003	10	2	13	25	26.8	0.16	50.10	0.01	87.85	0.01	15	10.1		3.4	ASRS		
464	2003	10	2	15	9	52.6	1.00	50.36	0.05	87.50	0.06	15	10.8		3.8	ASRS		
465	2003	10	2	16	27	52.6	1.03	50.38	0.05	87.57	0.05	15	12.2	4.6	4.6	ASRS		
466	2003	10	2	23	19	10.8	0.89	50.14	0.04	87.90	0.04	15	11.3	3.4	4.1	ASRS		
467	2003	10	3	1	15	5.2	0.92	50.29	0.04	87.70	0.06	15	10.6	3.4	3.7	ASRS		
468	2003	10	3	3	16	25.6	1.20	50.41	0.06	87.56	0.06	15	12.1	4.2	4.5	ASRS		
469	2003	10	3	4	2	13.4	1.01	50.31	0.05	87.59	0.06	15	12.0	4.2	4.4	ASRS		
470	2003	10	3	8	9	43.6	1.06	50.29	0.04	87.68	0.07	15	9.6	2.6	3.1	ASRS		
471	2003	10	3	8	36	9.9	0.86	50.24	0.04	87.72	0.07	15	10.1	2.8	3.4	ASRS		
472	2003	10	3	9	59	13.9	0.68	50.18	0.03	87.79	0.03	15	10.8		3.8	ASRS		
473	2003	10	3	11	36	3.5	0.99	50.25	0.05	87.72	0.05	15	11.4		4.1	ASRS		
474	2003	10	3	19	32	59.5	0.85	50.17	0.04	87.81	0.04	15	11.4	3.8	4.1	ASRS		
475	2003	10	3	22	52	46.4	0.71	50.00	0.03	88.20	0.03	15	11.8		4.3	ASRS		
476	2003	10	3	23	31	32.2	1.47	50.08	0.07	88.18	0.10	15	10.0		3.3	ASRS		
477	2003	10	4	2	9	51.0	1.54	50.00	0.06	88.00	0.08	15	9.2	2.8	2.9	ASRS		
478	2003	10	4	3	23	52.1	1.25	50.08	0.06	88.10	0.05	15	11.3	3.1	4.1	ASRS		
479	2003	10	4	6	14	51.9	1.11	50.06	0.04	88.19	0.06	15	10.2	3.2	3.4	ASRS		
480	2003	10	4	7	2	15.9	1.24	50.21	0.05	87.80	0.07	15	11.1		3.9	ASRS		
481	2003	10	4	9	7	38.4	1.22	50.25	0.05	87.79	0.09	15	10.6	3.2	3.7	ASRS		
482	2003	10	4	11	46	51.3	0.68	50.19	0.03	87.81	0.04	15	11.0	3.5	3.9	ASRS		
483	2003	10	4	14	23	29.0	1.71	49.90	0.07	88.30	0.09	15	10.2	3.2	3.4	ASRS		
484	2003	10	4	16	21	15.3	0.94	50.30	0.04	87.69	0.07	15	11.3	3.7	4.1	ASRS		
485	2003	10	4	18	30	18.1	0.78	50.31	0.04	87.68	0.05	15	11.8	4.2	4.3	ASRS		
486	2003	10	4	21	33	58.1	1.32	50.21	0.08	87.78	0.05	15	9.9		3.3	ASRS		
487	2003	10	5	4	6	39.6	1.01	50.26	0.04	87.73	0.07	15	10.6	3.3	3.7	ASRS		
488	2003	10	5	9	23	13.0	1.38	49.85	0.06	87.91	0.10	15	10.6	3.4	3.7	ASRS		
489	2003	10	5	14	38	39.5	0.21	50.17	0.01	87.88	0.02	15	10.1	3.1	3.4	ASRS		
490	2003	10	5	15	46	42.1	1.06	50.09	0.04	87.97	0.06	15	10.5	3.1	3.6	ASRS		
491	2003	10	5	21	3	15.7	0.72	50.01	0.03	87.95	0.04	15	11.3		4.1	ASRS		
492	2003	10	5	21	25	31.2	0.99	50.23	0.05	87.73	0.04	15	11.0		3.9	ASRS		
493	2003	10	6	5	11	28.2	1.15	50.05	0.05	88.12	0.06	15	12.1	3.8	4.5	ASRS		
494	2003	10	6	10	18	12.9	0.75	50.36	0.04	87.59	0.05	15	12.3		4.6	ASRS		
495	2003	10	6	10	44	6.5	0.85	50.39	0.04	87.68	0.06	15	10.0		3.3	ASRS		
496	2003	10	6	15	44	6.6	0.68	50.24	0.03	87.81	0.03	15	11.0		3.9	ASRS		
497	2003	10	6	17	9	6.6	0.78	50.35	0.04	87.74	0.05	15	12.0		4.4	ASRS		
498	2003	10	6	18	57	4.5	1.02	49.91	0.05	88.25	0.04	15	11.3		4.1	ASRS		
499	2003	10	6	22	32	27.1	1.31	50.00	0.06	87.93	0.06	15	11.0		3.9	ASRS		
500	2003	10	7	6	17	2.5	0.65	50.31	0.03	87.64	0.09	15	9.4	2.2	3.0	ASRS		
501	2003	10	7	9	39	56.7	0.76	50.33	0.04	87.60	0.05	15	11.6	3.9	4.2	ASRS		
502	2003	10	7	11	24	11.3	1.08	50.22	0.04	87.71	0.07	15	10.3	2.9	3.5	ASRS		
503	2003	10	7	13	58	54.6	1.06	50.31	0.05	87.76	0.06	15	10.3		3.5	ASRS		
504	2003	10	7	13	59	56.2	0.57	50.33	0.03	87.64	0.04	15	11.2	3.7	4.0	ASRS		
505	2003	10	7	14	50	36.8	1.23	50.18	0.06	87.80	0.05	15	10.1	3.1	3.4	ASRS		
506	2003	10	7	20	25	40.9	0.75	50.40	0.04	87.56	0.03	15	10.5	3.4	3.6	ASRS		
507	2003	10	7	20	37	47.2	0.83	50.34	0.04	87.60	0.06	15	10.8	3.6	3.8	ASRS		
508	2003	10	7	21	36	43.8	0.82	50.26	0.04	88.02	0.04	15	11.8	3.9	4.3	ASRS		
509	2003	10	8	3	26	35.7	0.56	50.30	0.03	87.63	0.03	15	11.2	3.6	4.0	ASRS		
510	2003	10	8	4	6	6.1	0.63	50.20	0.03	87.83	0.03	15	11.4	3.4	4.1	ASRS		
511	2003	10	8	6	50	28.5	0.80	50.15	0.04	88.04	0.03	15	11.2	3.7	4.0	ASRS		
512	2003	10	8	7	58	14.3	0.89	50.27	0.05	87.62	0.05	15	11.4	3.8	4.1	ASRS		
513	2003	10	8	11	30	2.7	0.78	50.13	0.04	87.80	0.03	15	10.3		3.5	ASRS		
514	2003	10	8	16	45	42.6	0.98	50.31	0.05	87.68	0.06	15	10.0	3.1	3.3	ASRS		
515	2003	10	8	17	19	0.8	0.98	50.31	0.05	87.62	0.06	15	9.8	3.2	3.2	ASRS		
516	2003	10	9	1	45	46.9	1.03	50.29	0.05	87.82	0.05	15	9.7		3.2	ASRS		
517	2003	10	9	2	12	12.2	0.88	50.25	0.03	87.80	0.05	15	10.2	3.3	3.4	ASRS		
518	2003	10	9	10	36	33.8	1.31	50.04	0.05	88.10	0.08	15	9.6	2.8	3.1	ASRS		
519	2003	10	9	14	45	42.2	0.90	50.26	0.04	87.51	0.04	15	9.9	3.2	3.3	ASRS		
520	2003	10	9	15	3	49.9	0.75	50.33	0.04	87.52	0.05	15	10.0	3.3	3.3	ASRS		
521	2003	10	9	16	6	5.1	0.39	50.09	0.02	87.94	0.02	15	12.4	4.4	4.7	ASRS		
522	2003	10	9	16	18	17.4	0.86	50.33	0.04	87.71	0.05	15	10.6		3.7	ASRS		
523	2003	10	9	19	23	3.4	0.64	50.32	0.04	87.59	0.04	15	9.8	2.9	3.2	ASRS		
524	2003	10	9	22	14	58.5	1.22	50.25	0.06	87.80	0.05	15	10.0	2.8	3.3	ASRS		
525	2003	10	10	1	46	27.5	1.49	50.06	0.07	87.89	0.06	15	10.3	3.0	3.5	ASRS		
526	2003	10	10	11	3	56.4	0.71	50.18	0.03	87.81	0.04	15	10.8	3.2	3.8	ASRS		
527	2003	10	10	12	35	29.8	1.19	50.08	0.04	87.88	0.08	15	10.3	3.0	3.5	ASRS		
528	2003	10	10	16	18	29.1	0.83	50.31	0.04	87.65	0.05	15	10.3		3.5	ASRS		
529	2003	10	10	19	33	17.9	0.95	50.11	0.04	87.82	0.06	15	9.9		3.3	ASRS		
530	2003	10	10	21	1	58.8	1.34	50.06	0.05	87.98	0.08	15	10.4		3.6	ASRS		



№	Дата, год м д			Время, $t_0$ , ч мин с			$\delta t_0$ , с	Гипоцентр						$K_p$	Магнитуды		Код сети	I, примечания
	$\varphi$ , °N	$\delta\varphi$ , °	$\lambda$ , °E	$\delta\lambda$ , °	$h$ , км	$\delta h$ , км		MLH	M									
531	2003	10	11	3	32	38.5	1.21	50.18	0.04	87.84	0.07	15	11.5	3.9	4.2	ASRS		
532	2003	10	11	6	54	9.6	0.86	50.31	0.04	87.63	0.06	15	10.2		3.4	ASRS		
533	2003	10	12	23	50	38.1	0.82	50.19	0.04	87.85	0.04	15	11.0	3.7	3.9	ASRS		
534	2003	10	13	5	26	38.2	0.90	50.29	0.04	87.61	0.06	15	13.2	5.1	5.1	ASRS		
535	2003	10	13	13	0	7.4	0.86	50.34	0.04	87.68	0.04	15	10.6	3.2	3.7	ASRS		
536	2003	10	13	13	58	44.4	0.98	50.23	0.05	87.63	0.04	15	10.6	3.1	3.7	ASRS		
537	2003	10	13	21	40	32.7	0.76	50.14	0.04	87.92	0.04	15	10.1	3.1	3.4	ASRS		
538	2003	10	13	22	10	3.3	0.87	50.43	0.04	87.51	0.04	15	10.3	3.2	3.5	ASRS		
539	2003	10	13	23	13	27.3	0.88	50.14	0.04	87.88	0.04	15	10.0	2.8	3.3	ASRS		
540	2003	10	14	13	31	46.0	0.82	50.31	0.04	87.62	0.08	15	9.7	2.9	3.2	ASRS		
541	2003	10	15	0	12	3.6	0.68	50.26	0.03	87.56	0.04	15	11.3	3.8	4.1	ASRS		
542	2003	10	15	6	52	45.2	0.71	50.26	0.03	87.57	0.04	15	10.1	3.3	3.4	ASRS		
543	2003	10	15	7	54	31.2	0.82	50.17	0.04	87.84	0.04	15	9.7		3.2	ASRS		
544	2003	10	15	12	33	14.1	1.23	50.00	0.05	88.18	0.07	15	10.0	3.0	3.3	ASRS		
545	2003	10	15	19	24	43.8	0.81	50.18	0.03	87.74	0.05	15	10.0	2.8	3.3	ASRS		
546	2003	10	16	9	16	46.8	0.53	49.86	0.03	88.23	0.02	15	10.8	3.4	3.8	ASRS		
547	2003	10	16	17	54	12.9	1.00	50.29	0.05	87.62	0.07	15	10.2		3.4	ASRS		
548	2003	10	16	22	52	22.6	0.78	50.37	0.04	87.68	0.06	15	10.2		3.4	ASRS		
549	2003	10	16	23	9	4.6	0.92	50.11	0.03	87.79	0.05	15	10.7	3.2	3.7	ASRS		
550	2003	10	17	5	30	22.2	0.73	50.29	0.04	87.60	0.04	15	13.6	5.4	5.3	ASRS		
551	2003	10	17	8	18	49.5	0.96	50.06	0.05	88.11	0.05	15	11.8	4.1	4.3	ASRS		
552	2003	10	17	12	36	24.2	0.68	50.31	0.03	87.60	0.04	15	11.0	3.4	3.9	ASRS		
553	2003	10	17	14	29	47.9	0.83	50.09	0.04	88.18	0.04	15	10.9	3.5	3.8	ASRS		
554	2003	10	17	17	16	29.7	0.90	50.26	0.04	87.59	0.05	15	9.9	2.9	3.3	ASRS		
555	2003	10	17	21	40	59.7	0.65	50.02	0.03	88.19	0.04	15	9.6	3.0	3.1	ASRS		
556	2003	10	17	21	55	45.8	1.06	50.13	0.05	87.96	0.04	15	10.3	3.0	3.5	ASRS		
557	2003	10	18	16	26	54.4	1.17	49.91	0.04	88.20	0.06	15	10.3	3.1	3.5	ASRS		
558	2003	10	18	22	24	54.5	0.99	50.25	0.04	87.69	0.06	15	9.4	2.7	3.0	ASRS		
559	2003	10	18	22	27	52.7	0.73	50.26	0.03	87.69	0.04	15	9.7	2.9	3.2	ASRS		
560	2003	10	19	5	37	2.9	1.35	49.97	0.05	88.31	0.08	15	9.6	2.8	3.1	ASRS		
561	2003	10	19	10	15	46.2	0.89	50.11	0.03	87.74	0.05	15	9.9	3.1	3.3	ASRS		
562	2003	10	19	10	43	18.0	1.03	45.90	0.05	83.40	0.13	15	10.3		3.5	ASRS		
563	2003	10	20	11	57	3.0	0.92	50.14	0.04	88.01	0.04	15	9.5		3.1	ASRS		
564	2003	10	20	12	5	13.6	0.92	50.04	0.04	88.12	0.04	15	10.2		3.4	ASRS		
565	2003	10	20	17	4	46.5	0.94	50.00	0.04	88.04	0.06	15	10.1		3.4	ASRS		
566	2003	10	20	17	47	23.6	1.12	49.97	0.04	88.15	0.06	15	10.1	3.2	3.4	ASRS		
567	2003	10	21	2	50	32.4	0.81	49.97	0.04	88.26	0.03	15	10.0	3.0	3.3	ASRS		
568	2003	10	21	5	58	5.8	1.02	50.28	0.05	87.66	0.05	15	9.6		3.4	ASRS		
569	2003	10	21	21	4	53.4	1.03	50.20	0.04	87.73	0.06	15	10.4	3.5	3.6	ASRS		
570	2003	10	22	6	20	10.2	0.83	50.19	0.04	87.81	0.04	15	10.4	3.0	3.6	ASRS		
571	2003	10	22	8	39	44.8	0.83	50.07	0.04	87.85	0.04	15	11.6	3.5	4.2	ASRS		
572	2003	10	22	11	25	48.3	0.74	49.98	0.03	88.18	0.04	15	11.1	3.8	3.9	ASRS		
573	2003	10	22	15	38	57.6	1.00	50.21	0.05	87.75	0.05	15	9.9	2.9	3.3	ASRS		
574	2003	10	22	23	33	33.9	1.21	49.86	0.06	87.78	0.06	15	10.2	3.3	3.4	ASRS		
575	2003	10	23	0	25	47.1	0.89	49.90	0.04	88.26	0.04	15	13.4	5.0	5.2	ASRS		
576	2003	10	23	3	54	24.7	1.00	50.24	0.05	87.66	0.05	15	11.1	3.4	3.9	ASRS		
577	2003	10	24	1	35	33.6	0.86	49.99	0.04	88.21	0.04	15	10.2		3.4	ASRS		
578	2003	10	24	16	37	5.4	0.91	50.24	0.04	87.57	0.05	15	9.7	3.2	3.2	ASRS		
579	2003	10	25	3	12	22.3	1.07	50.27	0.05	87.72	0.05	15	9.8	2.9	3.2	ASRS		
580	2003	10	25	7	34	58.7	1.06	50.52	0.05	90.66	0.06	15	9.8		3.2	ASRS		
581	2003	10	26	1	53	7.5	0.83	50.13	0.03	87.81	0.05	15	9.7	2.6	3.2	ASRS		
582	2003	10	26	7	39	52.7	1.05	49.93	0.04	88.16	0.07	15	9.6	2.7	3.1	ASRS		
583	2003	10	27	9	58	25.5	0.81	50.20	0.04	87.79	0.03	15	12.1	3.9	4.5	ASRS		
584	2003	10	27	20	28	26.8	0.87	50.01	0.04	88.19	0.04	15	10.1		3.4	ASRS		
585	2003	10	27	21	45	9.3	0.73	50.06	0.03	88.23	0.03	15	10.3		3.5	ASRS		
586	2003	10	29	7	20	55.9	0.99	50.34	0.06	87.73	0.07	15	10.8		3.8	ASRS		
587	2003	10	29	10	14	55.9	0.94	49.97	0.05	88.33	0.07	15	8.8		2.7	ASRS		
588	2003	10	29	21	18	35.1	0.82	50.03	0.04	87.88	0.04	15	12.6	4.4	4.8	ASRS		
589	2003	10	30	4	20	7.6	1.08	50.06	0.04	88.01	0.06	15	9.8		3.2	ASRS		
590	2003	10	30	12	39	18.1	0.94	50.03	0.03	88.09	0.05	15	9.6	2.8	3.1	ASRS		
591	2003	11	1	11	20	56.2	0.81	50.26	0.04	87.75	0.03	15	10.1	3.3	3.4	ASRS		
592	2003	11	1	19	12	39.9	0.81	50.26	0.04	87.75	0.03	15	10.0		3.3	ASRS		
593	2003	11	1	22	16	57.3	0.81	50.26	0.04	87.75	0.03	15	9.7		3.2	ASRS		
594	2003	11	1	22	55	37.4	1.00	50.07	0.05	88.08	0.05	15	9.8	2.9	3.2	ASRS		
595	2003	11	3	4	57	0.5	0.60	50.26	0.03	87.58	0.04	15	9.5		3.1	ASRS		
596	2003	11	3	7	45	35.3	0.77	50.25	0.04	87.60	0.04	15	10.0	3.0	3.3	ASRS		
597	2003	11	4	15	56	58.5	0.82	50.03	0.04	88.15	0.04	15	10.5		3.6	ASRS		
598	2003	11	4	22	8	1.8	0.81	50.00	0.03	88.27	0.04	15	11.7	4.2	4.3	ASRS		
599	2003	11	5	2	46	11.6	1.22	49.96	0.06	88.15	0.04	15	10.1	2.9	3.4	ASRS		

Каталоги землетрясений по различным регионам России

№	Дата, год м д			Время, $t_0$ , ч мин с			$\delta t_0$ , с	Гипоцентр					$K_p$	Магнитуды		Код сети	I, примечания
								$\varphi$ , °N	$\delta\varphi$ , °	$\lambda$ , °E	$\delta\lambda$ , °	$h$ , км		$\delta h$ , км	MLH		
600	2003	11	5	15	17	53.3	0.83	50.13	0.04	87.83	0.04	15	11.2	4.0	4.0	ASRS	
601	2003	11	5	18	35	43.8	1.15	50.10	0.04	87.90	0.07	15	10.4	3.5	3.6	ASRS	
602	2003	11	8	8	52	6.8	1.28	50.26	0.06	87.61	0.08	15	10.3	3.5	3.5	ASRS	
603	2003	11	8	11	36	46.2		50.07		87.77		15	8.6	2.5	2.6	ASRS	
604	2003	11	9	17	22	48.9	0.89	50.33	0.04	87.68	0.06	15	10.1		3.4	ASRS	
605	2003	11	10	2	41	42.4	1.32	50.18	0.07	87.47	0.07	15	9.5		3.1	ASRS	
606	2003	11	10	19	55	12.3	1.13	50.05	0.05	87.62	0.06	15	11.9	4.2	4.4	ASRS	
607	2003	11	11	2	36	23.7	0.92	50.02	0.04	87.91	0.05	15	9.8		3.2	ASRS	
608	2003	11	11	2	55	13.0	1.17	50.12	0.05	87.88	0.05	15	9.6		3.1	ASRS	
609	2003	11	11	22	42	32.9	0.85	50.20	0.04	87.89	0.04	15	13.2	5.1	5.1	ASRS	
610	2003	11	12	1	57	58.3	0.94	49.82	0.04	87.33	0.04	15	10.2		3.4	ASRS	
611	2003	11	14	12	1	16.0	2.34	50.20	0.07	87.90	0.14	15	9.4		3.0	ASRS	
612	2003	11	15	4	20	34.4	1.46	49.91	0.07	87.29	0.05	15	9.5		3.1	ASRS	
613	2003	11	15	15	25	41.8	0.77	50.19	0.04	87.80	0.04	15	10.2	3.0	3.4	ASRS	
614	2003	11	15	19	48	14.3	0.82	50.21	0.04	87.80	0.04	15	11.3		4.1	ASRS	
615	2003	11	16	0	31	7.6	1.01	50.24	0.05	87.72	0.05	15	10.1		3.4	ASRS	
616	2003	11	16	10	23	6.7	0.75	49.96	0.04	88.21	0.03	15	10.5	3.0	3.6	ASRS	
617	2003	11	17	0	21	21.0	1.28	50.25	0.05	87.79	0.08	15	10.1		3.4	ASRS	
618	2003	11	17	1	35	50.0	0.87	50.37	0.04	87.71	0.06	15	13.9	5.5	5.5	ASRS	
619	2003	11	17	2	33	54.2	1.29	50.23	0.06	87.73	0.06	15	10.9		3.8	ASRS	
620	2003	11	17	2	35	47.6	1.00	50.29	0.04	87.66	0.07	15	10.0		3.3	ASRS	
621	2003	11	17	4	6	27.9	0.91	50.36	0.05	87.63	0.07	15	9.6		3.1	ASRS	
622	2003	11	17	11	10	58.4	1.18	50.29	0.05	87.67	0.09	15	9.8		3.2	ASRS	
623	2003	11	19	3	36	0.8	1.14	50.27	0.05	87.60	0.08	15	9.9		3.3	ASRS	
624	2003	11	20	3	26	49.0	2.81	50.90	0.09	97.90	0.15	15	10.1		3.4	ASRS	
625	2003	11	21	18	5	25.0	2.51	50.30	0.09	87.70	0.18	15	8.8		2.7	ASRS	
626	2003	11	21	19	48	32.0	2.14	50.20	0.08	87.90	0.12	15	9.2	2.9	2.9	ASRS	
627	2003	11	23	8	41	29.0	2.39	50.30	0.09	87.90	0.15	15	10.0		3.3	ASRS	
628	2003	11	23	13	17	9.0	1.21	50.36	0.06	87.67	0.06	15	10.3	3.4	3.5	ASRS	
629	2003	11	25	23	26	20.0	1.63	50.00	0.06	87.90	0.09	15	9.8	3.0	3.2	ASRS	
630	2003	11	26	0	53	12.0	0.92	50.32	0.04	87.60	0.08	15	9.3	2.6	2.9	ASRS	
631	2003	11	26	10	6	2.4	0.66	50.07	0.03	88.18	0.03	15	11.2	4.0	4.0	ASRS	
632	2003	11	26	14	6	16.4	1.39	50.02	0.06	88.27	0.06	15	10.8		3.8	ASRS	
633	2003	11	27	9	47	44.2	0.94	49.99	0.04	87.88	0.04	15	10.4		3.6	ASRS	
634	2003	11	27	13	13	34.1	0.95	50.14	0.05	88.05	0.04	15	10.2	3.4	3.4	ASRS	
635	2003	11	28	3	58	28.0	1.66	50.00	0.06	88.10	0.09	15	9.9	3.3	3.3	ASRS	
636	2003	11	28	11	59	40.5	0.90	54.15	0.05	87.46	0.06	15	9.5	3.3	3.1	ASRS	
637	2003	11	29	3	39	21.0	1.98	48.30	0.14	97.60	0.16	15	10.9		3.8	ASRS	
638	2003	12	1	4	40	47.5	1.31	50.14	0.06	87.69	0.06	15	11.2	3.9	4.0	ASRS	
639	2003	12	1	12	39	30.0	1.31	51.60	0.07	97.90	0.08	15	11.5	4.1	4.2	ASRS	
640	2003	12	2	10	2	50.0	0.79	50.30	0.04	87.59	0.05	15	10.2	3.0	3.4	ASRS	
641	2003	12	4	12	25	14.0	0.92	50.10	0.05	88.02	0.04	15	10.7		3.7	ASRS	
642	2003	12	4	19	10	54.0	1.48	50.16	0.07	88.04	0.07	15	10.1	3.4	3.4	ASRS	
643	2003	12	4	23	51	12.2	0.66	50.31	0.03	87.61	0.04	15	10.0		3.3	ASRS	
644	2003	12	5	19	13	30.0	1.24	50.17	0.06	87.85	0.06	15	10.6	3.8	3.7	ASRS	
645	2003	12	6	17	13	59.3	1.32	50.46	0.05	90.95	0.07	15	9.8	3.2	3.2	ASRS	
646	2003	12	8	21	9	6.4	1.12	50.12	0.06	88.04	0.05	15	10.7	3.6	3.7	ASRS	
647	2003	12	8	22	15	44.0	0.88	50.29	0.05	87.71	0.05	15	10.2	3.2	3.4	ASRS	
648	2003	12	9	9	11	45.1	0.95	50.30	0.05	87.57	0.08	15	9.7	3.0	3.2	ASRS	
649	2003	12	10	9	23	57.7	1.04	50.02	0.03	88.32	0.05	15	9.0		2.8	ASRS	
650	2003	12	10	23	30	38.0	1.38	50.16	0.05	88.03	0.08	15	9.6		3.1	ASRS	
651	2003	12	12	9	32	10.8	1.24	50.14	0.06	88.14	0.06	15	10.1	3.5	3.4	ASRS	
652	2003	12	15	1	20	27.3	0.75	50.26	0.03	87.63	0.05	15	9.1		2.8	ASRS	
653	2003	12	15	5	16	7.3	0.88	50.35	0.04	87.73	0.06	15	10.0		3.3	ASRS	
654	2003	12	24	5	23	53.6	1.45	50.25	0.06	87.80	0.09	15	10.0		3.3	ASRS	
655	2003	12	24	7	31	44.5	0.84	50.29	0.04	87.84	0.04	15	11.2		4.0	ASRS	
656	2003	12	25	5	5	32.0	1.63	50.20	0.06	88.20	0.09	15	9.8	3.2	3.2	ASRS	
657	2003	12	26	5	28	32.8	1.13	50.08	0.06	88.13	0.05	15	10.6	3.3	3.7	ASRS	
658	2003	12	27	19	3	0.8	0.79	50.03	0.04	88.14	0.04	15	10.7	3.9	3.7	ASRS	
659	2003	12	30	8	31	48.0	2.02	53.60	0.06	90.50	0.14	15	9.7		3.2	ASRS	
660	2003	12	30	20	21	27.6	1.08	50.52	0.05	87.62	0.05	15	10.3		3.5	ASRS	