

**IV.17. Район разреза «Бачатский», Кузбасс
(зона Бачатского землетрясения 18.06.2013 г.)
($ML \geq 1.6$)**

по данным временной сети станций АСФ ГС РАН (ASRS)

Отв. сост.: Е.В. Лескова
Сост.: Г.А. Денисенко, О.А. Манушина,
Л.А. Подлипская, В.Г. Подкорытова, А.О. Шаталова,
С.С. Шевелёва, Е.В. Шевкунова

№	Дата,			Время, t_0 ,			Гипоцентр				ML	M	Код сети
	год	м	д	ч	мин	с	φ , °N	λ , °E	h , км	δh , км			
1	2013	6	18	23	2	6.88	54.261	86.161	3.4		6.1	5.9 ¹	ASRS
2	2013	6	18	23	37	17.90	54.297	86.142	4.0 f		3.2	2.6	ASRS
3	2013	6	19	0	45	19.07	54.299	86.155	4.0 f		1.6	0.7	ASRS
4	2013	6	19	1	11	17.80	54.250	86.194	4.0 f		3.4	2.9	ASRS
5	2013	6	19	2	38	46.49	54.247	86.178	4.0 f		2.4	1.7	ASRS
6	2013	6	19	3	15	16.55	54.233	86.201	4.0 f		1.6	0.7	ASRS
7	2013	6	19	3	18	1.29	54.271	86.177	4.0 f		1.9	1.1	ASRS
8	2013	6	19	5	48	50.02	54.263	86.194	4.0 f		3.2	2.6	ASRS
9	2013	6	19	5	59	42.14	54.253	86.181	4.0 f		4.2	3.8	ASRS
10	2013	6	19	6	26	43.35	54.243	86.166	4.0 f		2.1	1.3	ASRS
11	2013	6	19	6	36	30.24	54.265	86.195	4.0 f		2.7	2.0	ASRS
12	2013	6	19	10	27	12.20	54.280	86.181	4.0 f		2.4	1.7	ASRS
13	2013	6	19	11	2	10.38	54.261	86.183	4.0 f		2.2	1.4	ASRS
14	2013	6	19	11	30	32.93	54.279	86.142	4.0 f		2.1	1.3	ASRS
15	2013	6	19	12	2	7.86	54.278	86.215	4.0 f		1.8	1.0	ASRS
16	2013	6	19	12	39	55.89	54.262	86.178	4.0 f		3.0	2.4	ASRS
17	2013	6	19	13	27	0.76	54.262	86.212	4.0 f		2.0	1.2	ASRS
18	2013	6	19	13	31	6.82	54.266	86.182	4.0 f		2.2	1.4	ASRS
19	2013	6	19	14	41	9.05	54.268	86.169	4.0 f		1.9	1.1	ASRS
20	2013	6	19	14	53	11.59	54.254	86.171	4.0 f		3.1	2.5	ASRS
21	2013	6	19	14	53	57.89	54.284	86.134	4.0 f		1.6	0.7	ASRS
22	2013	6	19	15	31	21.38	54.282	86.225	4.0 f		2.0	1.2	ASRS
23	2013	6	19	15	31	25.12	54.271	86.209	4.0 f		2.0	1.2	ASRS
24	2013	6	19	15	33	32.72	54.271	86.234	4.0 f		1.6	0.7	ASRS
25	2013	6	19	16	9	50.20	54.263	86.190	4.0 f		3.5	3.0	ASRS
26	2013	6	19	17	2	45.60	54.288	86.207	4.0 f		1.6	0.7	ASRS
27	2013	6	19	17	55	28.92	54.273	86.175	4.0 f		1.7	0.8	ASRS
28	2013	6	19	18	0	11.79	54.257	86.177	4.0 f		1.7	0.8	ASRS
29	2013	6	19	20	2	37.92	54.299	86.175	4.0 f		1.8	1.0	ASRS
30	2013	6	19	20	17	24.37	54.294	86.199	4.0 f		1.6	0.7	ASRS
31	2013	6	19	21	50	56.99	54.276	86.209	4.0 f		2.0	1.2	ASRS
32	2013	6	19	21	59	53.62	54.275	86.226	4.0 f		1.7	0.8	ASRS
33	2013	6	19	22	45	40.13	54.266	86.231	4.0 f		1.9	1.1	ASRS
34	2013	6	20	5	21	3.65	54.271	86.181	2.4		1.7	0.8	ASRS
35	2013	6	20	5	32	32.98	54.272	86.198	4.0 f		1.9	1.1	ASRS
36	2013	6	20	9	34	2.09	54.282	86.193	4.0 f		2.2	1.4	ASRS
37	2013	6	20	9	51	34.24	54.266	86.179	4.9		3.7	3.2	ASRS
38	2013	6	20	10	34	29.14	54.283	86.162	4.0 f		1.9	1.1	ASRS
39	2013	6	20	12	11	12.22	54.292	86.150	3.2		1.6	0.7	ASRS
40	2013	6	20	12	39	20.38	54.277	86.189	2.6		1.6	0.7	ASRS
41	2013	6	20	13	54	25.55	54.278	86.187	4.1		2.3	1.6	ASRS
42	2013	6	20	20	21	47.80	54.269	86.185	3.8		2.0	1.2	ASRS
43	2013	6	20	23	3	19.33	54.291	86.155	4.0 f		2.0	1.2	ASRS
44	2013	6	20	23	44	14.63	54.276	86.188	3.1		2.0	1.2	ASRS
45	2013	6	21	0	32	29.03	54.278	86.159	4.0 f		1.7	0.8	ASRS
46	2013	6	21	3	55	50.45	54.290	86.156	2.3		1.7	0.8	ASRS
47	2013	6	21	13	8	38.87	54.267	86.178	3.4		2.8	2.2	ASRS

¹ Бачатское землетрясение. Макросейсмические данные см. в разделе III.2.3.

Каталоги землетрясений по различным регионам России

№	Дата,			Время, t_0 ,			Гипоцентр				ML	M	Код сети
	год	м	д	ч	мин	с	φ, °N	λ, °E	h, км	δh, км			
48	2013	6	21	14	11	44.30	54.290	86.156	4.0 f	1.9	1.1	ASRS	
49	2013	6	21	15	8	53.16	54.266	86.161	3.3	2.1	1.3	ASRS	
50	2013	6	21	19	2	39.80	54.258	86.175	3.7	2.1	1.3	ASRS	
51	2013	6	21	21	1	48.85	54.262	86.169	3.3	2.2	1.4	ASRS	
52	2013	6	21	21	10	57.00	54.262	86.175	4.0 f	1.7	0.8	ASRS	
53	2013	6	21	21	36	57.14	54.269	86.161	3.7	2.0	1.2	ASRS	
54	2013	6	22	0	5	55.67	54.262	86.223	4.0 f	1.7	0.8	ASRS	
55	2013	6	22	13	59	8.76	54.295	86.153	2.3	2.2	1.4	ASRS	
56	2013	6	22	14	35	54.13	54.268	86.167	3.4	1.8	1.0	ASRS	
57	2013	6	22	21	18	14.95	54.292	86.156	4.0 f	1.6	0.7	ASRS	
58	2013	6	22	21	20	28.68	54.273	86.172	4.0 f	1.8	1.0	ASRS	
59	2013	6	23	0	13	53.69	54.266	86.175	2.7	1.8	1.0	ASRS	
60	2013	6	23	0	21	43.32	54.260	86.177	4.0 f	1.9	1.1	ASRS	
61	2013	6	23	0	44	48.46	54.257	86.174	3.7	1.6	0.7	ASRS	
62	2013	6	23	8	9	8.66	54.264	86.159	2.1	2.9	2.3	ASRS	
63	2013	6	23	8	49	23.95	54.259	86.172	4.0 f	1.7	0.8	ASRS	
64	2013	6	23	19	30	34.31	54.265	86.176	4.0 f	1.7	0.8	ASRS	
65	2013	6	23	19	38	11.91	54.278	86.174	3.4	2.3	1.6	ASRS	
66	2013	6	24	15	19	44.26	54.268	86.158	2.8	2.8	2.2	ASRS	
67	2013	6	24	15	34	59.25	54.255	86.174	3.5	2.3	1.6	ASRS	
68	2013	6	24	17	9	17.74	54.270	86.205	4.0 f	1.7	0.8	ASRS	
69	2013	6	24	18	35	26.13	54.271	86.181	2.5	2.2	1.4	ASRS	
70	2013	6	25	8	17	14.50	54.289	86.153	2.7	2.2	1.4	ASRS	
71	2013	6	25	14	14	16.97	54.267	86.161	3.4	2.4	1.7	ASRS	
72	2013	6	25	14	53	3.36	54.270	86.158	2.8	2.0	1.2	ASRS	
73	2013	6	25	17	3	45.70	54.261	86.166	3.4	2.1	1.3	ASRS	
74	2013	6	25	19	46	3.30	54.277	86.144	2.4	1.7	0.8	ASRS	
75	2013	6	26	0	3	36.59	54.266	86.178	2.8	2.0	1.2	ASRS	
76	2013	6	26	0	14	7.73	54.271	86.182	2.8	1.7	0.8	ASRS	
77	2013	6	26	16	8	48.81	54.279	86.151	3.1	3.6	3.1	ASRS	
78	2013	6	26	16	43	8.11	54.276	86.149	2.8	2.4	1.7	ASRS	
79	2013	6	27	12	5	27.44	54.278	86.153	2.8	2.0	1.2	ASRS	
80	2013	6	27	13	22	37.75	54.273	86.179	3.2	1.7	0.8	ASRS	
81	2013	6	27	18	39	47.82	54.278	86.161	4.0 f	2.2	1.4	ASRS	
82	2013	6	27	20	5	20.04	54.276	86.166	3.4	2.1	1.3	ASRS	
83	2013	6	28	5	44	2.27	54.269	86.176	2.4	2.1	1.3	ASRS	
84	2013	6	28	8	42	27.59	54.277	86.146	2.7	1.9	1.1	ASRS	
85	2013	6	28	16	6	29.38	54.273	86.175	2.5	2.1	1.3	ASRS	
86	2013	6	29	2	30	3.62	54.268	86.147	2.4	1.9	1.1	ASRS	
87	2013	6	29	7	41	52.15	54.305	86.124	2.9	2.1	1.3	ASRS	
88	2013	6	29	11	10	41.87	54.265	86.174	3.2	2.7	2.0	ASRS	
89	2013	6	29	11	15	25.71	54.265	86.174	3.2	2.6	1.9	ASRS	
90	2013	6	30	11	42	49.69	54.258	86.176	4.0 f	1.6	0.7	ASRS	
91	2013	6	30	17	23	15.82	54.260	86.163	3.5	3.0	2.4	ASRS	
92	2013	6	30	19	18	41.04	54.273	86.176	2.6	2.0	1.2	ASRS	
93	2013	7	1	1	23	51.58	54.270	86.149	2.3	1.6	0.7	ASRS	
94	2013	7	1	2	52	46.72	54.264	86.165	3.6	1.6	0.7	ASRS	
95	2013	7	1	7	41	28.48	54.265	86.161	3.6	1.9	1.1	ASRS	
96	2013	7	1	8	10	42.28	54.263	86.162	3.5	1.8	1.0	ASRS	
97	2013	7	2	8	47	22.77	54.257	86.157	2.5	2.1	1.3	ASRS	
98	2013	7	2	20	9	17.48	54.272	86.150	2.8	2.4	1.7	ASRS	
99	2013	7	4	2	16	24.81	54.279	86.147	4.0 f	1.8	1.0	ASRS	
100	2013	7	4	11	52	32.65	54.270	86.155	2.7	1.7	0.8	ASRS	
101	2013	7	4	16	4	57.39	54.263	86.176	3.6	1.9	1.1	ASRS	
102	2013	7	5	12	15	39.63	54.272	86.155	2.8	1.7	0.8	ASRS	
103	2013	7	6	0	5	27.00	54.259	86.162	3.1	3.1	2.5	ASRS	
104	2013	7	6	2	59	54.83	54.256	86.162	3.7	1.9	1.1	ASRS	
105	2013	7	6	20	8	21.13	54.269	86.157	2.5	1.9	1.1	ASRS	
106	2013	7	7	22	54	16.10	54.254	86.167	4.0 f	2.0	1.2	ASRS	
107	2013	7	8	9	11	58.37	54.257	86.164	3.7	2.8	2.2	ASRS	
108	2013	7	9	20	35	33.18	54.260	86.159	3.7	1.6	0.7	ASRS	
109	2013	7	10	9	42	32.49	54.368	86.107	2.5	1.7	0.8	ASRS	
110	2013	7	10	10	3	19.20	54.289	86.147	2.7	1.6	0.7	ASRS	
111	2013	7	11	16	45	48.93	54.268	86.158	3.3	2.3	1.6	ASRS	
112	2013	7	11	19	33	29.57	54.266	86.154	3.5	2.6	1.9	ASRS	
113	2013	7	12	9	44	37.30	54.309	86.136	4.0 f	2.0	1.2	ASRS	
114	2013	7	12	11	54	21.61	54.263	86.160	3.6	2.8	2.2	ASRS	
115	2013	7	12	12	27	49.86	54.311	86.151	1.3	1.7	0.8	ASRS	
116	2013	7	13	8	12	2.15	54.268	86.151	2.4	2.1	1.3	ASRS	
117	2013	7	14	12	2	10.21	54.278	86.151	2.9	1.9	1.1	ASRS	
118	2013	7	14	22	25	20.01	54.256	86.162	3.7	2.0	1.2	ASRS	

№	Дата,			Время, t_0 ,			Гипоцентр				ML	M	Код сети
	год	м	д	ч	мин	с	φ, °N	λ, °E	h, км	δh, км			
119	2013	7	15	19	20	27.15	54.279	86.159	4.0 f		1.7	0.8	ASRS
120	2013	7	16	6	44	49.46	54.304	86.138	4.0 f		2.0	1.2	ASRS
121	2013	7	16	15	6	40.29	54.279	86.147	2.6		2.4	1.7	ASRS
122	2013	7	16	16	41	46.72	54.268	86.155	3.4		3.3	2.7	ASRS
123	2013	7	17	7	19	45.31	54.258	86.164	3.4		2.1	1.3	ASRS
124	2013	7	18	9	5	15.77	54.269	86.175	2.7		1.9	1.1	ASRS
125	2013	7	18	9	39	43.10	54.311	86.134	4.0 f		1.7	0.8	ASRS
126	2013	7	18	11	0	56.03	54.272	86.171	2.1		1.6	0.7	ASRS
127	2013	7	18	18	15	41.86	54.268	86.156	3.2		1.9	1.1	ASRS
128	2013	7	19	1	33	17.34	54.271	86.159	2.6		1.6	0.7	ASRS
129	2013	7	19	21	52	8.18	54.280	86.153	3.3		2.0	1.2	ASRS
130	2013	7	20	9	38	39.80	54.263	86.167	3.2		1.8	1.0	ASRS
131	2013	7	20	14	50	11.24	54.282	86.187	4.0 f		1.9	1.1	ASRS
132	2013	7	20	16	36	17.60	54.282	86.101	0.1		1.6	0.7	ASRS
133	2013	7	22	7	25	21.09	54.259	86.176	3.4		1.6	0.7	ASRS
134	2013	7	22	18	35	52.02	54.285	86.132	2.7		2.3	1.6	ASRS
135	2013	7	24	14	49	3.69	54.257	86.174	3.7		3.5	3.0	ASRS
136	2013	7	25	6	44	47.72	54.307	86.121	4.0 f		1.9	1.1	ASRS
137	2013	7	25	10	21	29.43	54.299	86.153	2.5		1.8	1.0	ASRS
138	2013	7	25	15	50	8.99	54.254	86.172	3.7		1.8	1.0	ASRS
139	2013	7	25	15	54	57.60	54.291	86.146	2.6		1.6	0.7	ASRS
140	2013	7	26	6	14	34.29	54.306	86.129	4.0 f		2.1	1.3	ASRS
141	2013	7	26	21	41	48.63	54.267	86.183	2.9		1.6	0.7	ASRS
142	2013	7	28	13	33	19.87	54.255	86.171	3.8		2.3	1.6	ASRS
143	2013	7	29	23	13	43.26	54.274	86.145	4.0 f		1.7	0.8	ASRS
144	2013	7	29	23	38	50.07	54.317	86.136	4.0 f		1.6	0.7	ASRS
145	2013	8	2	21	46	41.53	54.277	86.170	3.3		1.6	0.7	ASRS
146	2013	8	6	6	24	16.09	54.286	86.198	4.0 f		1.6	0.7	ASRS
147	2013	8	11	9	46	10.65	54.271	86.187	3.7		2.1	1.3	ASRS
148	2013	8	12	11	17	48.15	54.284	86.165	4.0 f		1.6	0.7	ASRS
149	2013	8	13	6	2	41.40	54.273	86.184	3.5		2.6	1.9	ASRS
150	2013	8	14	19	59	0.32	54.271	86.185	3.5		1.6	0.7	ASRS
151	2013	8	15	21	51	1.87	54.356	86.103	3.7		1.8	1.0	ASRS
152	2013	8	16	0	4	2.96	54.312	86.140	1.7		2.1	1.3	ASRS
153	2013	8	16	11	30	51.79	54.288	86.149	2.8		2.3	1.6	ASRS
154	2013	8	20	6	22	4.51	54.263	86.164	4.0		2.3	1.6	ASRS
155	2013	8	21	6	26	3.78	54.282	86.167	3.3		2.1	1.3	ASRS
156	2013	8	21	9	44	34.88	54.340	86.088	4.0 f		1.7	0.8	ASRS
157	2013	8	24	6	19	50.80	54.280	86.145	2.7		1.9	1.1	ASRS
158	2013	8	28	18	38	56.47	54.279	86.189	3.2		1.6	0.7	ASRS
159	2013	8	29	4	8	41.73	54.306	86.144	1.5		1.7	0.8	ASRS
160	2013	8	30	18	9	54.70	54.335	86.127	6.7		1.7	0.8	ASRS
161	2013	8	31	8	18	18.79	54.294	86.148	2.5		1.6	0.7	ASRS
162	2013	8	31	9	22	40.67	54.267	86.175	4.7		2.3	1.6	ASRS
163	2013	9	5	0	39	12.05	54.304	86.149	2.2		2.0	1.2	ASRS
164	2013	9	6	10	42	52.27	54.273	86.191	3.8		2.1	1.3	ASRS
165	2013	9	6	12	39	41.82	54.276	86.193	2.6		1.6	0.7	ASRS
166	2013	9	9	15	2	12.03	54.272	86.169	4.0 f		1.6	0.7	ASRS
167	2013	9	10	16	19	53.76	54.280	86.202	4.0 f		1.8	1.0	ASRS
168	2013	9	15	15	2	50.64	54.284	86.154	3.2		2.0	1.2	ASRS
169	2013	9	18	20	37	1.94	54.272	86.162	3.3		2.2	1.4	ASRS
170	2013	9	21	6	17	1.95	54.296	86.151	4.0 f		1.7	0.8	ASRS
171	2013	9	29	13	57	37.33	54.266	86.177	4.4		1.8	1.0	ASRS
172	2013	10	1	21	40	57.22	54.281	86.155	3.3		2.0	1.2	ASRS
173	2013	10	2	4	38	54.06	54.294	86.152	2.6		1.6	0.7	ASRS
174	2013	10	14	15	56	44.03	54.286	86.161	3.3		2.7	2.0	ASRS
175	2013	10	15	15	0	37.51	54.261	86.170	3.6		1.6	0.7	ASRS
176	2013	10	20	19	31	41.40	54.271	86.179	2.8		2.4	1.7	ASRS
177	2013	10	21	17	24	19.55	54.277	86.159	3.0		3.1	2.5	ASRS
178	2013	10	31	15	31	34.96	54.329	86.069	3.5		2.2	1.4	ASRS
179	2013	11	2	18	21	0.48	54.304	86.152	2.2		2.2	1.4	ASRS
180	2013	11	5	20	42	26.28	54.298	86.138	3.4		1.8	1.0	ASRS
181	2013	11	15	4	7	0.20	54.264	86.171	3.7		1.8	1.0	ASRS
182	2013	11	15	7	3	35.60	54.271	86.185	4.1		1.6	0.7	ASRS
183	2013	11	27	15	55	19.92	54.291	86.161	3.3		1.9	1.1	ASRS
184	2013	12	3	17	5	6.16	54.284	86.168	4.0 f		1.7	0.8	ASRS
185	2013	12	12	14	16	13.28	54.295	86.158	2.1		1.6	0.7	ASRS
186	2013	12	14	3	53	32.29	54.283	86.151	3.4		1.9	1.1	ASRS
187	2013	12	14	14	29	9.77	54.278	86.178	3.7		1.7	0.8	ASRS