V.4. Алтай и Саяны
(*M*≥2.3)

по данным А-СФ ГС СО РАН (ASRS)

Отв. сост.*: *А.Г. Филина*, *В.Г. Подкорытова
Сост.*: *Л.Г. Данциг*, *Г.А. Денисенко*, *Н.В. Кузнецова*, *О.А. Манушина*, *Л.А. Подлипская*, *С.С. Шевелёва*, *Е.В. Шевкунова

№	Дата,			Время, t_0,			δt_0,	Гипоцентр						K_P	Магнитуды		Код сети	*I*
	год	*м*	*д*	*ч*	*мин*	*с*	*с*	φ, °N	δφ, °	λ, °E	δλ, °	*h*, *км*	δ*h*, *км*		*Mc*	*M*		
1	2008	1	5	1	55	24.1	0.36	50.23	0.02	87.64	0.02	15	f	8.1		2.3	ASRS	
2	2008	1	7	23	22	7.2	0.45	50.39	0.02	91.02	0.03	15	f	8.3		2.4	ASRS	
3	2008	1	8	20	51	22.6	0.31	51.42	0.03	98.01	0.02	15	f	11.0	3.7	3.9	ASRS	
4	2008	1	8	21	9	9.3	0.32	51.37	0.03	98.02	0.02	15	f	11.5	3.7	4.2	ASRS	
5	2008	1	8	22	3	46.9	0.35	51.34	0.03	98.06	0.02	15	f	8.7	2.7	2.6	ASRS	
6	2008	1	9	1	43	53.2	0.37	51.34	0.03	98.04	0.02	15	f	8.7	2.3	2.6	ASRS	
7	2008	1	9	21	20	9.3	0.91	51.33	0.03	97.82	0.06	15	f	9.0	2.7	2.8	ASRS	
8	2008	1	10	15	26	32.8	0.30	51.30	0.03	98.18	0.02	15	f	10.8	3.6	3.8	ASRS	
9	2008	1	10	17	30	29.2	0.48	51.32	0.04	98.00	0.02	15	f	8.2		2.3	ASRS	
10	2008	1	12	2	32	4.9	0.69	49.90	0.03	88.23	0.04	15	f	8.1		2.3	ASRS	
11	2008	1	14	13	44	53.4	0.31	51.28	0.02	98.18	0.01	15	f	9.1		2.8	ASRS	
12	2008	1	14	18	51	40.8	0.43	49.92	0.02	88.31	0.02	15	f	9.6	2.8	3.1	ASRS	
13	2008	1	16	17	50	47.5	0.44	50.01	0.02	87.63	0.02	15	f	8.4		2.4	ASRS	
14	2008	1	19	6	29	22.5	0.37	51.35	0.04	98.04	0.02	15	f	8.6	2.6	2.6	ASRS	
15	2008	1	19	6	29	35.9	0.42	51.10	0.02	97.91	0.02	15	f	8.2		2.3	ASRS	
16	2008	1	19	7	15	39.9	0.38	51.28	0.03	97.99	0.02	15	f	8.1		2.3	ASRS	
17	2008	1	19	7	32	28.4	0.26	51.38	0.03	98.02	0.02	15	f	13.1	4.7	4.7	ASRS	
18	2008	1	19	7	41	56.6	0.53	51.23	0.03	97.98	0.03	15	f	8.9		2.7	ASRS	
19	2008	1	19	9	44	13.6	0.24	51.34	0.02	98.01	0.01	15	f	9.5	2.6	3.1	ASRS	
20	2008	1	19	9	51	13.5	0.26	51.34	0.02	98.00	0.01	15	f	9.4	2.8	3.0	ASRS	
21	2008	1	19	11	35	1.3	0.29	51.34	0.03	98.01	0.02	15	f	8.4		2.4	ASRS	
22	2008	1	19	13	10	52.4	0.30	51.30	0.03	98.00	0.01	15	f	9.5	2.8	3.1	ASRS	
23	2008	1	19	13	40	48.4	0.30	51.38	0.03	98.07	0.02	15	f	9.2	2.8	2.9	ASRS	
24	2008	1	19	18	17	49.0	0.42	51.38	0.04	98.06	0.02	15	f	8.2		2.3	ASRS	
25	2008	1	19	18	40	51.3	0.49	51.26	0.04	97.95	0.03	15	f	8.3		2.4	ASRS	
26	2008	1	24	8	0	8.6	1.06	47.68	0.05	85.06	0.08	15	f	8.9	2.6	2.7	ASRS	
27	2008	1	24	9	23	14.8	0.65	49.57	0.03	88.56	0.03	15	f	8.8	2.1	2.7	ASRS	
28	2008	1	27	7	43	44.1	0.45	51.32	0.04	97.99	0.02	15	f	8.5		2.5	ASRS	
29	2008	1	29	20	2	29.1	0.68	49.78	0.03	83.54	0.04	15	f	12.5	4.7	4.7	ASRS	
30	2008	2	4	14	37	13.1	0.30	51.33	0.03	98.02	0.02	15	f	9.4	2.7	3.0	ASRS	
31	2008	2	5	11	43	17.2	0.32	51.32	0.03	98.01	0.02	15	f	10.9	3.5	3.8	ASRS	
32	2008	2	5	11	49	54.4	0.32	51.34	0.03	98.01	0.02	15	f	11.1	3.6	3.9	ASRS	
33	2008	2	5	11	58	17.7	0.29	51.29	0.03	98.01	0.01	15	f	8.8		2.7	ASRS	
34	2008	2	5	19	32	14.0	0.62	49.60	0.04	97.40	0.02	15	f	8.6		2.6	ASRS	
35	2008	2	6	20	57	10.5	0.34	51.37	0.03	98.02	0.02	15	f	9.7	3.1	3.2	ASRS	
36	2008	2	8	15	36	23.2	0.39	50.03	0.02	88.12	0.02	15	f	9.0	2.5	2.8	ASRS	
37	2008	2	12	0	20	40.0	0.26	51.33	0.03	97.99	0.01	15	f	8.2		2.3	ASRS	
38	2008	2	17	5	43	40.4	0.46	49.98	0.02	87.94	0.02	15	f	8.3		2.4	ASRS	
39	2008	2	18	22	35	12.8	0.35	51.68	0.04	98.29	0.02	15	f	8.5		2.5	ASRS	
40	2008	2	20	7	9	35.9	0.62	47.06	0.03	90.02	0.03	15	f	10.8	3.7	3.8	ASRS	
41	2008	2	20	17	59	39.6	1.81	46.99	0.07	82.22	0.10	15	f	8.7		2.6	ASRS	
42	2008	2	24	15	24	4.4	0.47	49.23	0.03	98.35	0.02	15	f	10.2	3.3	3.4	ASRS	
43	2008	2	24	15	46	36.8	0.29	50.07	0.02	87.94	0.02	15	f	8.6	2.6	2.6	ASRS	

№	Дата,			Время, t_0,			δt_0,	Гипоцентр						K_P	Магнитуды		Код сети	I
	год	*м*	*д*	*ч*	*мин*	*с*	*с*	φ, °N	δφ, °	λ, °E	δλ, °	*h*, *км*	δ*h*, *км*		*Mc*	*M*		
44	2008	2	25	9	11	15.6	0.23	51.29	0.02	97.98	0.01	15	f	8.1		2.3	ASRS	
45	2008	2	27	18	44	20.9	0.36	53.12	0.02	87.65	0.03	15	f	8.2		2.3	ASRS	
46	2008	3	3	2	8	46.8	0.39	49.25	0.03	97.89	0.02	15	f	11.8	3.4	4.3	ASRS	
47	2008	3	6	6	4	44.2	0.12	50.58	0.01	87.42	0.01	15	f	8.6	2.1	2.6	ASRS	
48	2008	3	10	20	9	46.9	0.26	51.91	0.02	96.25	0.02	15	f	8.1		2.3	ASRS	
49	2008	3	15	4	4	52.5	0.31	51.27	0.03	97.99	0.02	15	f	8.3		2.4	ASRS	
50	2008	3	16	6	27	17.0	1.22	50.57	0.15	78.59	0.08	15	f	8.2		2.3	ASRS	
51	2008	3	17	4	27	45.7	0.26	51.32	0.02	98.00	0.01	15	f	10.4	2.8	3.6	ASRS	
52	2008	3	22	16	14	10.2	0.28	51.02	0.03	97.97	0.01	15	f	9.3	2.6	2.9	ASRS	
53	2008	3	22	22	36	26.0	0.39	50.54	0.03	96.47	0.02	15	f	8.4		2.4	ASRS	
54	2008	3	29	1	44	16.8	0.25	51.20	0.03	98.16	0.02	15	f	11.3	3.7	4.1	ASRS	
55	2008	3	30	23	58	39.5	0.33	50.16	0.02	88.51	0.03	15	f	8.7	2.2	2.6	ASRS	
56	2008	4	2	19	30	32.0	0.42	54.19	0.02	88.37	0.04	15	f	9.5	2.8	3.1	ASRS	
57	2008	4	11	18	13	47.4	0.53	49.67	0.03	87.71	0.02	15	f	8.2		2.3	ASRS	
58	2008	4	15	4	1	12.5	0.44	50.48	0.02	90.94	0.03	15	f	9.5	2.8	3.1	ASRS	
59	2008	4	15	21	42	57.1	0.31	50.58	0.03	96.41	0.02	15	f	9.2	3.1	2.9	ASRS	
60	2008	4	21	9	38	21.1	0.86	49.78	0.04	94.41	0.06	15	f	10.0	3.2	3.3	ASRS	
61	2008	4	22	3	30	4.0	0.41	50.26	0.03	87.56	0.03	15	f	10.8	3.9	3.8	ASRS	
62	2008	4	22	13	5	51.7	0.36	49.60	0.02	97.95	0.01	15	f	9.5	3.0	3.1	ASRS	
63	2008	4	24	18	44	17.5	1.18	46.80	0.04	80.81	0.07	15	f	8.3		2.4	ASRS	
64	2008	4	26	15	13	54.9	0.50	50.00	0.03	91.07	0.03	15	f	10.5	3.5	3.6	ASRS	
65	2008	4	28	11	16	51.8	0.44	50.06	0.02	88.13	0.02	15	f	8.3		2.4	ASRS	
66	2008	4	30	20	46	7.6	0.60	50.52	0.03	90.89	0.04	15	f	8.7	2.4	2.6	ASRS	
67	2008	5	2	18	33	27.8	0.27	50.51	0.02	97.13	0.01	15	f	11.9	4.2	4.4	ASRS	
68	2008	5	8	11	31	39.4	0.52	50.89	0.03	89.12	0.04	15	f	8.4		2.4	ASRS	
69	2008	5	10	18	43	23.1	0.37	51.75	0.02	92.09	0.03	15	f	11.5	3.8	4.2	ASRS	
70	2008	5	10	18	59	14.1	0.30	51.77	0.02	92.03	0.02	15	f	8.1		2.3	ASRS	
71	2008	5	11	6	13	33.6	0.35	51.77	0.02	92.03	0.03	15	f	8.4		2.4	ASRS	
72	2008	5	11	10	44	48.0	0.54	49.79	0.03	87.91	0.02	15	f	8.2		2.3	ASRS	
73	2008	5	12	4	10	56.5	0.57	49.85	0.03	89.60	0.03	15	f	9.5	3.1	3.1	ASRS	
74	2008	5	12	8	28	19.7	0.55	49.79	0.03	89.65	0.02	15	f	8.9	2.8	2.7	ASRS	
75	2008	5	12	10	10	47.7	0.49	52.84	0.03	94.28	0.04	15	f	8.5		2.5	ASRS	
76	2008	5	13	8	32	42.5	0.69	49.01	0.03	91.72	0.04	15	f	9.5	2.9	3.1	ASRS	
77	2008	5	19	15	4	4.4	0.46	50.12	0.03	87.82	0.03	15	f	9.0	2.8	2.8	ASRS	
78	2008	6	3	1	50	41.4	0.43	50.87	0.02	90.37	0.03	15	f	11.7	4.1	4.3	ASRS	
79	2008	6	3	2	0	57.7	0.40	50.91	0.02	90.26	0.03	15	f	10.2	3.2	3.4	ASRS	
80	2008	6	14	22	44	52.3	0.26	51.33	0.02	97.98	0.01	15	f	9.1		2.8	ASRS	
81	2008	6	19	16	17	1.1	0.65	49.26	0.04	98.36	0.02	15	f	8.6		2.6	ASRS	
82	2008	6	28	10	4	48.9	0.37	51.11	0.03	98.11	0.01	15	f	8.6	2.4	2.6	ASRS	
83	2008	7	3	14	37	3.4	0.53	50.11	0.03	91.62	0.03	15	f	9.7	2.8	3.2	ASRS	
84	2008	7	5	4	46	16.2	0.27	51.35	0.02	98.02	0.01	15	f	8.4		2.4	ASRS	
85	2008	7	9	5	51	1.7	0.27	52.16	0.04	97.86	0.02	15	f	9.0	2.6	2.8	ASRS	
86	2008	7	10	2	47	32.0	0.32	50.65	0.02	96.94	0.01	15	f	8.6	2.4	2.6	ASRS	
87	2008	7	10	5	32	8.9	0.63	50.00	0.03	88.12	0.03	15	f	8.7	2.6	2.6	ASRS	
88	2008	7	10	14	38	52.3	0.30	50.68	0.02	96.16	0.01	15	f	8.7	2.6	2.6	ASRS	
89	2008	7	18	2	18	21.5	0.91	47.96	0.04	81.59	0.06	15	f	9.3	2.9	2.9	ASRS	
90	2008	7	21	13	58	3.1	0.32	51.34	0.03	97.98	0.01	15	f	10.0	2.5	3.3	ASRS	
91	2008	7	23	4	5	19.6	0.51	50.47	0.04	96.55	0.02	15	f	8.8	2.7	2.7	ASRS	
92	2008	7	28	0	1	29.0	0.56	50.60	0.03	90.99	0.03	15	f	10.5	3.1	3.6	ASRS	
93	2008	7	28	2	25	11.7	0.46	50.58	0.03	90.92	0.03	15	f	9.8	2.6	3.2	ASRS	
94	2008	8	4	17	32	37.9	0.69	46.76	0.03	89.87	0.04	15	f	8.9		2.7	ASRS	
95	2008	8	11	10	13	51.2	0.98	49.94	0.04	85.52	0.04	15	f	8.3		2.4	ASRS	
96	2008	8	14	12	55	27.1	1.09	46.27	0.05	90.41	0.05	15	f	9.9		3.3	ASRS	
97	2008	8	16	4	1	6.4	0.24	52.12	0.03	98.21	0.02	15	f	15.0	5.4	5.4	ASRS	[1]
98	2008	8	16	4	6	39.8	0.27	52.07	0.03	98.22	0.02	15	f	13.7	4.9	4.9	ASRS	
99	2008	8	16	4	21	42.2	0.38	52.09	0.06	98.14	0.03	15	f	8.5		2.5	ASRS	
100	2008	8	16	5	2	55.1	0.32	52.19	0.04	98.27	0.02	15	f	9.5		3.1	ASRS	
101	2008	8	16	5	22	42.2	0.25	52.11	0.03	98.22	0.02	15	f	10.9	3.2	3.8	ASRS	
102	2008	8	16	6	14	57.7	0.34	52.09	0.04	98.19	0.02	15	f	8.2		2.3	ASRS	

[1] Тора-Хем (146 *км*) – 5 баллов; Сарыг-Сеп (217 *км*), Кызыл (268 *км*) – 4–5 баллов; Хамсар (65 *км*), Бельбей (206 *км*) – 4 балла.

№	Дата,			Время, t_0,			δt_0,	Гипоцентр						K_P	Магнитуды		Код сети	I
	год	*м*	*д*	*ч*	*мин*	*с*	*с*	φ, °N	δφ, °	λ, °E	δλ, °	*h*, *км*	δ*h*, *км*		*Mc*	*M*		
103	2008	8	16	6	39	13.8	0.25	52.08	0.03	98.31	0.02	15	f	8.1		2.3	ASRS	
104	2008	8	16	7	38	25.6	0.31	52.15	0.04	98.23	0.02	15	f	9.7	2.6	3.2	ASRS	
105	2008	8	16	8	35	52.5	0.30	52.16	0.04	98.24	0.02	15	f	8.5		2.5	ASRS	
106	2008	8	16	12	5	51.9	1.02	47.01	0.04	81.31	0.08	15	f	8.2		2.3	ASRS	
107	2008	8	16	14	29	36.7	0.23	52.15	0.03	98.23	0.02	15	f	11.7	3.6	4.3	ASRS	
108	2008	8	16	17	58	39.7	0.20	52.14	0.03	98.21	0.01	15	f	11.2	2.6	4.0	ASRS	
109	2008	8	16	17	59	36.0	2.32	52.16	0.06	98.21	0.13	15	f	9.2		2.9	ASRS	
110	2008	8	16	23	48	3.3	0.23	52.14	0.03	98.23	0.02	15	f	8.1		2.3	ASRS	
111	2008	8	17	0	41	15.5	0.29	52.20	0.04	98.25	0.02	15	f	8.2		2.3	ASRS	
112	2008	8	17	16	32	45.3	0.30	52.16	0.04	98.21	0.02	15	f	8.2		2.3	ASRS	
113	2008	8	19	8	42	3.1	0.24	52.13	0.03	98.18	0.02	15	f	8.1		2.3	ASRS	
114	2008	8	20	20	38	36.3	0.24	52.18	0.03	98.24	0.02	15	f	9.7	2.9	3.2	ASRS	
115	2008	8	21	1	14	8.8	0.21	52.18	0.02	98.26	0.01	15	f	9.3	2.5	2.9	ASRS	
116	2008	8	22	5	5	48.6	0.27	52.08	0.03	98.20	0.02	15	f	8.3		2.4	ASRS	
117	2008	8	22	22	36	34.6	0.26	52.10	0.03	98.23	0.02	15	f	8.1		2.3	ASRS	
118	2008	8	26	9	0	23.7	0.34	51.34	0.04	98.00	0.02	15	f	12.1	4.2	4.5	ASRS	
119	2008	8	26	9	7	55.6	0.27	51.35	0.03	97.99	0.01	15	f	11.3	4.1	4.1	ASRS	
120	2008	8	26	11	40	45.2	0.32	51.28	0.03	97.97	0.02	15	f	9.7	3.1	3.2	ASRS	
121	2008	8	26	14	6	53.5	1.05	47.72	0.05	80.87	0.07	15	f	10.2	3.4	3.4	ASRS	
122	2008	8	31	9	6	13.7	0.42	50.29	0.02	87.55	0.02	15	f	8.5	2.5	2.5	ASRS	
123	2008	9	1	23	16	25.7	0.33	51.25	0.02	90.10	0.03	15	f	9.4	3.1	3.0	ASRS	
124	2008	9	4	9	13	29.4	0.25	51.62	0.03	97.93	0.01	15	f	11.5	3.7	4.2	ASRS	
125	2008	9	10	11	24	17.6	0.33	51.02	0.03	96.37	0.01	15	f	8.2		2.3	ASRS	
126	2008	9	10	12	1	27.6	0.33	51.76	0.04	98.03	0.02	15	f	8.9	2.5	2.7	ASRS	
127	2008	9	11	1	28	51.7	0.28	51.99	0.03	98.13	0.02	15	f	8.2		2.3	ASRS	
128	2008	9	11	19	11	59.4	0.43	50.91	0.02	92.45	0.03	15	f	10.9	3.8	3.8	ASRS	
129	2008	9	11	21	49	9.1	0.54	50.85	0.02	92.44	0.04	15	f	8.2		2.3	ASRS	
130	2008	9	12	17	0	53.7	0.20	52.08	0.03	98.14	0.01	15	f	8.1		2.3	ASRS	
131	2008	9	18	23	57	33.6	0.29	52.18	0.03	98.20	0.02	15	f	8.6	2.4	2.6	ASRS	
132	2008	9	22	4	36	6.6	0.41	51.11	0.04	98.23	0.02	15	f	8.4		2.4	ASRS	
133	2008	9	23	13	23	6.2	0.22	52.13	0.02	98.17	0.01	15	f	9.3	2.7	2.9	ASRS	
134	2008	9	27	12	48	1.7	0.59	49.84	0.03	87.85	0.03	15	f	8.4		2.4	ASRS	
135	2008	10	1	5	35	28.1	0.28	50.50	0.02	97.45	0.01	15	f	8.4		2.4	ASRS	
136	2008	10	1	9	45	48.6	0.47	52.10	0.04	98.12	0.03	15	f	8.3		2.4	ASRS	
137	2008	10	10	14	49	59.0	0.23	52.22	0.03	98.19	0.01	15	f	9.7	2.7	3.2	ASRS	
138	2008	10	19	13	16	23.5	0.57	50.04	0.03	87.34	0.03	15	f	9.7	3.1	3.2	ASRS	
139	2008	10	22	9	32	24.3	0.19	51.90	0.02	98.09	0.01	15	f	9.7	2.7	3.2	ASRS	
140	2008	10	28	19	26	25.2	0.29	51.33	0.03	98.04	0.02	15	f	10.4	3.4	3.6	ASRS	
141	2008	10	30	12	13	27.4	0.26	51.30	0.02	97.95	0.01	15	f	10.1	2.7	3.4	ASRS	
142	2008	11	2	16	0	16.3	0.34	51.23	0.01	89.46	0.03	15	f	11.7	4.4	4.3	ASRS	
143	2008	11	3	1	10	28.8	0.30	51.40	0.04	97.93	0.02	15	f	11.3	3.2	4.1	ASRS	
144	2008	11	3	4	2	18.6	0.25	51.53	0.02	98.25	0.01	15	f	8.3		2.4	ASRS	
145	2008	11	3	18	11	53.6	0.23	51.09	0.01	87.65	0.03	15	f	8.3		2.4	ASRS	
146	2008	11	5	2	4	48.9	0.29	51.24	0.01	89.46	0.02	15	f	8.8	2.8	2.7	ASRS	
147	2008	11	6	12	48	35.8	0.24	52.12	0.03	98.17	0.01	15	f	9.3	2.5	2.9	ASRS	
148	2008	11	11	1	55	46.5	1.11	47.95	0.05	85.87	0.06	15	f	8.6	2.8	2.6	ASRS	
149	2008	11	14	0	10	24.4	0.51	51.05	0.02	89.73	0.04	15	f	9.1	2.6	2.8	ASRS	
150	2008	11	22	1	43	20.0	0.80	50.03	0.04	89.90	0.05	15	f	9.7	3.2	3.2	ASRS	
151	2008	11	24	14	57	51.3	1.09	47.00	0.04	90.60	0.06	15	f	8.3		2.4	ASRS	
152	2008	11	26	12	25	30.2	0.74	49.80	0.04	88.23	0.04	15	f	9.4	2.9	3.0	ASRS	
153	2008	12	3	8	5	15.2	0.42	51.02	0.03	97.90	0.02	15	f	8.6		2.6	ASRS	
154	2008	12	6	2	59	5.4	0.97	47.89	0.04	85.58	0.06	15	f	8.9	2.4	2.7	ASRS	
155	2008	12	19	9	55	5.5	0.84	47.62	0.04	91.17	0.05	15	f	8.9		2.7	ASRS	
156	2008	12	22	19	24	3.3	0.24	52.25	0.03	98.23	0.01	15	f	8.5		2.5	ASRS	
157	2008	12	23	17	37	32.0	0.14	50.52	0.01	87.45	0.01	15	f	8.1		2.3	ASRS	