

## V.4. Алтай и Саяны ( $M \geq 1.3$ )

по данным А-СФ ГС СО РАН (ASRS)

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№	Дата, год			Время, $t_0$ , ч		$\delta t_0$ , с	Гипоцентр					$K_p$	Магнитуды		Код сети	$I$	
	м	д	мин	с			φ, °N	$\delta\phi$ , °	$\lambda$ , °E	$\delta\lambda$ , °	$h$ , км		$Mc$	$M$			
1	2010	1	1	19	35	31.4	1.03	46.86	0.04	89.85	0.08	15	f	8.0	2.2 ASRS		
2	2010	1	2	17	1	8.8	0.48	49.91	0.02	89.16	0.02	15	f	8.0	2.2 ASRS		
3	2010	1	4	19	23	52.8	0.46	50.04	0.02	87.67	0.02	15	f	6.6	1.4 ASRS		
4	2010	1	6	12	29	51.5	0.19	50.07	0.01	87.90	0.01	15	f	7.2	1.8 ASRS		
5	2010	1	6	18	15	6.3	0.09	54.597	0.003	86.187	0	2	1	6.7	1.5 ASRS		
6	2010	1	16	15	24	17.3	0.79	47.05	0.03	85.65	0.07	15	f	7.6	2.0 ASRS		
7	2010	1	17	16	33	44.3	0.53	49.91	0.02	88.16	0.02	15	f	8.4	2.4 ASRS		
8	2010	1	18	18	45	19.6	0.53	49.10	0.02	87.87	0.02	15	f	7.2	1.8 ASRS		
9	2010	1	21	17	44	55.7	0.46	50.92	0.02	97.80	0.03	15	f	11.0	4.0	3.9 ASRS	
10	2010	1	22	1	54	35.5	0.76	49.35	0.03	86.73	0.03	15	f	7.4		1.9 ASRS	
11	2010	1	22	5	59	41.8	1.51	46.92	0.06	90.03	0.10	15	f	7.7		2.1 ASRS	
12	2010	1	22	20	20	38.0	0.63	50.63	0.02	90.21	0.04	15	f	8.0		2.2 ASRS	
13	2010	1	22	22	21.0	17.4	0.33	51.10	0.03	98.29	0.02	15	f	9.7	2.9	3.2 ASRS	
14	2010	1	23	1	42	24.5	1.48	49.11	0.07	88.11	0.07	15	f	6.3		1.3 ASRS	
15	2010	1	23	7	54	41.5	0.62	48.78	0.03	90.88	0.03	15	f	9.1	2.9	2.8 ASRS	
16	2010	1	23	21	30	24.2	0.49	50.18	0.02	87.75	0.02	15	f	6.6		1.4 ASRS	
17	2010	1	24	5	10	33.5	0.63	50.49	0.02	90.94	0.04	15	f	7.8		2.1 ASRS	
18	2010	1	24	10	25	57.4	0.95	48.97	0.04	88.13	0.04	15	f	7.3		1.8 ASRS	
19	2010	1	27	4	12	38.8	0.57	51.31	0.03	91.42	0.06	15	f	7.3		1.8 ASRS	
20	2010	1	28	8	55	40.7	0.80	51.26	0.03	91.91	0.06	15	f	7.6		2.0 ASRS	возмож- но зем- летрясе- ние
21	2010	1	31	17	58	50.2	0.19	51.38	0.01	89.62	0.02	15	f	6.6		1.4 ASRS	
22	2010	2	1	6	57	15.1	0.30	50.85	0.01	89.29	0.02	15	f	7.9		2.2 ASRS	
23	2010	2	1	23	41.0	17.3	0.23	52.11	0.03	98.21	0.01	15	f	9.3	2.8	2.9 ASRS	
24	2010	2	4	23	16	56.1	0.37	50.48	0.02	87.35	0.03	15	f	8.1		2.3 ASRS	
25	2010	2	5	20	57	45.9	0.86	47.82	0.03	85.47	0.07	15	f	7.2		1.8 ASRS	
26	2010	2	7	15	15.0	58.0	0.40	49.46	0.03	96.38	0.01	15	f	9.3	3.1	2.9 ASRS	
27	2010	2	8	3	38	13.5	2.16	47.02	0.08	81.63	0.11	15	f	8.5		2.5 ASRS	
28	2010	2	9	6	0	57.8	0.19	50.28	0.01	88.39	0.01	15	f	6.9		1.6 ASRS	
29	2010	2	11	15	10	53.4	0.56	50.83	0.03	89.98	0.04	15	f	8.7	2.5	2.6 ASRS	
30	2010	2	12	17	45	45.7	1.21	50.97	0.07	97.88	0.09	15	f	10.9	3.7	3.8 ASRS	
31	2010	2	14	15	5	5.7	0.72	51.66	0.03	92.79	0.06	15	f	7.0		1.7 ASRS	
32	2010	2	15	20	37.0	57.3	0.25	51.12	0.02	98.43	0.01	15	f	9.3	3.3	2.9 ASRS	
33	2010	2	17	7	33	56.8	0.12	51.60	0.00	94.49	0.01	15	f	6.7		1.5 ASRS	возмож- но зем- летрясе- ние
34	2010	2	17	12	38.0	26.6	0.33	50.99	0.03	98.58	0.02	15	f	9.4	3.0	3.0 ASRS	
35	2010	2	22	21	0.0	20.2	0.36	50.14	0.03	98.14	0.01	15	f	9.7	3.1	3.2 ASRS	
36	2010	2	25	20	20	45.5	0.43	51.21	0.02	90.02	0.03	15	f	7.5		1.9 ASRS	
37	2010	2	28	8	39	24.1	0.91	47.70	0.04	89.28	0.08	15	f	8.6	2.7	2.6 ASRS	
38	2010	3	6	0	33	4.3	1.14	49.08	0.05	91.67	0.07	15	f	11.8	4.4	4.3 ASRS	
39	2010	3	7	4	31	20.1	0.72	46.87	0.03	83.10	0.06	15	f	7.7		2.1 ASRS	
40	2010	3	8	4	48	41.7	1.04	47.20	0.05	83.17	0.09	15	f	8.1		2.3 ASRS	

№	Дата, год			Время, $t_0$ , ч		$\delta t_0$ , с	Гипоцентр						$K_p$	Магнитуды		Код сети	$I$	
	м	д	мин	φ, °N	δφ, °		λ, °E	δλ, °	h, км	δh, км	$M_c$	$M$		$M_c$	$M$			
41	2010	3	8	5	47	41.4	0.92	47.36	0.04	83.07	0.06	15	f	8.0	2.2 ASRS			
42	2010	3	14	19	49	25.2	0.23	50.51	0.01	87.42	0.02	15	f	7.0	1.7 ASRS			
43	2010	3	16	6	11	8.6	0.88	51.27	0.04	96.71	0.06	15	f	11.2	4.1	4.0 ASRS	1	
44	2010	3	17	16	52	24.7	0.23	51.16	0.01	86.86	0.02	15	f	7.5	1.9 ASRS			
45	2010	3	19	23	35	39.3	1.23	50.24	0.05	90.86	0.07	15	f	9.4	3.0	3.0 ASRS		
46	2010	3	20	19	39	45.2	0.45	50.36	0.02	91.16	0.03	15	f	8.0	2.2 ASRS			
47	2010	3	24	17	56	7.8	0.74	46.53	0.03	85.90	0.07	15	f	8.5	2.5 ASRS			
48	2010	3	25	16	58	49.2	0.41	50.54	0.02	90.67	0.03	15	f	7.6	2.0 ASRS			
49	2010	3	26	6	30	32.2	1.18	50.33	0.05	91.20	0.07	15	f	10.4	3.5	3.6 ASRS		
50	2010	3	29	22	12	43.6	1.30	47.19	0.07	93.79	0.13	15	f	11.0	4.1	3.9 ASRS		
51	2010	4	14	8	9	24.2	0.50	49.81	0.02	90.80	0.02	15	f	9.8	3.3	3.2 ASRS		
52	2010	4	14	21	6	20.2	0.84	48.79	0.04	84.33	0.05	15	f	8.8	2.5	2.7 ASRS		
53	2010	4	14	21	45	5.7	0.35	50.95	0.02	91.86	0.02	15	f	10.5	3.6	3.6 ASRS		
54	2010	4	16	6	48	36.6	0.83	49.69	0.03	98.06	0.05	15	f	9.1	2.9	2.8 ASRS		
55	2010	4	20	23	0	44.5	0.53	49.34	0.03	91.65	0.03	15	f	9.3	3.1	2.9 ASRS		
56	2010	5	10	4	21	13.8	0.56	50.62	0.02	96.18	0.04	15	f	10.6	3.8	3.7 ASRS	2	
57	2010	5	19	18	15	40.2	0.61	50.11	0.03	87.80	0.03	15	f	7.6	2.0 ASRS			
58	2010	5	21	19	3	23.9	0.53	49.91	0.02	84.87	0.03	15	f	7.5	1.9 ASRS			
59	2010	5	22	21	10	53.5	0.80	47.74	0.03	88.93	0.04	15	f	7.6	2.0 ASRS			
60	2010	5	23	6	4	49.3	0.77	49.57	0.04	96.53	0.05	15	f	10.0	3.3	3.3 ASRS		
61	2010	5	23	16	44	36.7	1.14	47.41	0.04	82.87	0.09	15	f	7.4	1.9 ASRS			
62	2010	5	24	22	46	28.6	0.65	49.98	0.03	88.19	0.03	15	f	8.1	2.3 ASRS			
63	2010	5	26	4	38	51.7	0.21	50.42	0.01	87.68	0.02	15	f	7.4	1.9 ASRS			
64	2010	5	26	9	9	41.4	1.37	49.53	0.05	83.69	0.06	15	f	6.5	1.4 ASRS			
65	2010	6	6	6	26	54.8	0.96	52.22	0.04	95.68	0.07	15	f	10.1	3.5	3.4 ASRS		
66	2010	6	13	22	46	13.1	1.26	46.31	0.05	79.44	0.09	15	f	7.8	2.1 ASRS			
67	2010	6	14	5	48	30.3	1.87	50.19	0.09	87.64	0.09	15	f	7.0	1.6	1.7 ASRS		
68	2010	6	15	1	43	15.7	1.29	47.38	0.06	82.85	0.09	15	f	8.6	2.7	2.6 ASRS		
69	2010	6	15	3	15	17.4	1.63	46.77	0.07	94.12	0.11	15	f	10.1	3.4	3.4 ASRS		
70	2010	6	27	14	46	44.9	0.68	50.49	0.03	90.98	0.04	15	f	10.7	3.6	3.7 ASRS		
71	2010	6	30	4	21	47.6	1.18	49.91	0.07	88.19	0.05	15	f	6.9	1.6	1.6 ASRS		
72	2010	7	6	1	1	10.3	0.97	51.58	0.04	97.73	0.06	15	f	10.5	3.5	3.6 ASRS		
73	2010	7	9	15	2	20.8	0.68	50.19	0.04	87.69	0.03	15	f	8.3	2.4	2.4 ASRS		
74	2010	7	11	6	9	44.6	0.91	51.58	0.03	93.44	0.06	15	f	8.9	2.6	2.7 ASRS		
75	2010	7	20	12	51	4.0	0.86	47.24	0.03	89.56	0.04	15	f	8.4	2.4 ASRS			
76	2010	7	21	0	51	7.3	0.86	50.26	0.03	91.05	0.05	15	f	7.5	1.9 ASRS			
77	2010	8	13	12	22	12.3	1.58	51.67	0.05	98.24	0.09	15	f	9.2	2.9 ASRS			
78	2010	8	24	2	22	3.8	1.67	52.03	0.06	97.97	0.10	15	f	9.1	2.5	2.8 ASRS		
79	2010	9	4	8	54	34.2	1.35	46.11	0.05	90.51	0.16	15	f	9.9	3.0	3.3 ASRS		
80	2010	9	8	10	5	31.0	0.61	53.04	0.03	91.57	0.04	15	f	6.6	1.4 ASRS			
81	2010	10	1	17	38	48.5	0.33	51.85	0.02	91.44	0.03	15	f	8.1	2.3 ASRS			
82	2010	10	29	21	29	10.7	0.40	49.64	0.03	91.70	0.02	15	f	7.3	1.8 ASRS			
83	2010	11	2	3	3	48.7	1.55	52.27	0.07	94.28	0.12	15	f	9.4	3.0	3.0 ASRS	3	
84	2010	11	5	7	2	53.7	0.62	51.36	0.02	92.87	0.04	15	f	7.7	2.1 ASRS			
85	2010	11	8	17	8	44.4	1.03	51.55	0.04	93.45	0.06	15	f	6.7	1.5 ASRS			
86	2010	11	13	9	34	9.9	0.38	51.28	0.02	90.17	0.03	15	f	9.7	2.6	3.2 ASRS		
87	2010	11	17	19	25	24.1	0.94	50.31	0.04	90.20	0.05	15	f	9.8	3.1	3.2 ASRS		
88	2010	11	19	20	10	30.0	0.99	51.73	0.04	92.93	0.04	15	f	7.4	1.9 ASRS			
89	2010	11	20	14	22.0	6.3	0.45	54.72	0.03	92.59	0.03	15	f	9.0	2.8	2.8 ASRS		
90	2010	11	24	10	53	7.1	1.39	51.29	0.06	92.79	0.06	15	f	8.7	2.6 ASRS			
91	2010	11	27	0	56	57.2	0.40	51.32	0.02	90.04	0.03	15	f	6.6	1.4 ASRS			
92	2010	12	6	15	26	21.0	1.59	52.59	0.10	97.72	0.12	15	f	11.3	3.6	4.1 ASRS		
93	2010	12	15	1	27	7.5	0.23	50.35	0.02	87.50	0.02	15	f	6.5	1.4 ASRS			
94	2010	12	15	18	39	32.3	0.37	53.77	0.03	88.96	0.03	15	f	7.8	2.1 ASRS			
95	2010	12	25	16	12.0	6.9	0.23	50.98	0.02	97.67	0.01	15	f	9.5	3.0	3.1 ASRS		
96	2010	12	28	21	44	39.2	0.33	51.34	0.02	93.25	0.02	15	f	6.7	1.5 ASRS			
97	2010	12	31	1	19	19.7	0.27	52.33	0.01	94.22	0.02	15	f	7.4	1.9 ASRS			

<sup>1</sup> Сарыг-Сеп – 3 балла; Кызыл – 2–3 балла (по данным ОВН).

<sup>2</sup> Самагалтай, Эрзин – 2 балла (по данным ОВН).

<sup>3</sup> Туран – 2–3 балла; Кызыл – 2 балла (по данным ОВН).