

II.4. Алтай и Саяны

по данным А-СФ ГС СО РАН (ASRS) и ЦОМЭ ГС РАН (OBN)

№	Дата,			Время, t_0 ,			δt_0 , с	Гипоцентр					K_p	Магнитуды			Код сети	I, приме- чания
	год	м	д	ч	мин	с		φ , °N	$\delta\varphi$, °	λ , °E	$\delta\lambda$, °	h , км		δh , км	MPSP	MLH		
1	2004	1	1	5	48	34.1	1.0	50.15	0.05	88.05	0.04	15	9.6				ASRS	
2	2004	1	3	10	35	24.6		50.479	0.229	86.433	0.459	10		4.1	3.3	3.1	OBN	
3	2004	1	3	18	40	53.9	1.2	50.06	0.06	87.77	0.06	15	10.3		3.4	3.5	ASRS	
4	2004	1	7	19	37	49.1	1.1	50.32	0.04	87.63	0.09	15	10.0		3.3	3.3	ASRS	
5	2004	1	8	6	54	51.6	1.2	50.24	0.05	87.67	0.07	15	9.3			2.9	ASRS	
6	2004	1	8	21	26	43.1	1.5	47.66	0.07	84.59	0.10	15	10.9		4.0	3.8	ASRS	
7	2004	1	9	11	7	48.2	1.2	50.07	0.05	88.05	0.07	15	10.3			3.5	ASRS	
8	2004	1	11	16	9	29.1	1.2	50.05	0.05	88.10	0.08	15	9.9			3.3	ASRS	
9	2004	1	15	17	2	8.3	1.0	50.24	0.04	87.66	0.07	15	9.4		2.8	3.0	ASRS	
10	2004	1	15	20	36	33.5	0.7	50.30	0.04	87.56	0.08	15	10.7		3.6	3.7	ASRS	
11	2004	1	16	21	29	18.0	1.0	50.08	0.05	88.21	0.05	15	11.3			4.1	ASRS	
12	2004	1	19	0	18	2.5	0.6	50.32	0.03	87.72	0.03	15	9.5			3.1	ASRS	
13	2004	1	19	1	22	58.5	1.0	50.10	0.05	87.91	0.05	15	11.2		3.7	4.0	ASRS	
14	2004	1	19	12	43	33.1	0.2	51.00	0.01	97.90	0.01	15	8.0			2.2	ASRS	
15	2004	1	20	10	21	28.0		53.60		87.80		15	9.7			3.2	ASRS	возможно взрыв
16	2004	1	22	0	16	17.9	1.3	49.81	0.05	87.70	0.05	15	10.2		3.2	3.4	ASRS	
17	2004	1	22	4	16	39.7	0.7	50.30	0.03	87.59	0.06	15	10.1		3.1	3.4	ASRS	
18	2004	1	22	10	14	54.7	0.2	50.73	0.01	98.36	0.01	15	10.8		3.0	3.8	ASRS	
19	2004	1	23	8	51	49.1	0.9	49.89	0.04	87.73	0.05	15	12.4		4.4	4.7	ASRS	
20	2004	1	24	16	40	32.4	1.1	50.30	0.06	87.34	0.06	15	12.3		4.6	4.6	ASRS	1
21	2004	1	24	18	24	35.9	1.1	50.35	0.06	87.80	0.05	15	10.3		3.3	3.5	ASRS	
22	2004	1	24	18	30	9.8	1.1	50.35	0.06	87.80	0.05	15	10.2		3.4	3.4	ASRS	
23	2004	1	25	9	32	20.6	0.7	46.21	0.04	96.84	0.05	15	11.5			4.2	ASRS	
24	2004	1	25	10	41	5.8	0.2	50.17	0.01	87.32	0.01	15	8.9			2.7	ASRS	
25	2004	1	25	12	43	56.4	1.8	50.05	0.06	88.21	0.10	15	9.6		3.0	3.1	ASRS	
26	2004	1	25	14	58	33.0	1.1	50.03	0.04	88.92	0.06	15	9.9		3.4	3.3	ASRS	
27	2004	1	30	2	43	50.0	1.7	46.30	0.13	97.00	0.16	15	11.2			4.0	ASRS	
28	2004	1	30	20	46	56.2	0.7	50.31	0.04	87.58	0.05	15	10.8		3.8	3.8	ASRS	
29	2004	1	30	22	19	33.2	1.1	50.32	0.04	87.61	0.06	15	9.1		2.7	2.8	ASRS	
30	2004	2	4	0	23	5.6	1.3	51.00	0.05	82.94	0.08	15	11.1		4.3	3.9	ASRS	
31	2004	2	4	0	54	44.6	1.8	51.40	0.05	90.53	0.13	15	9.9		3.5	3.3	ASRS	
32	2004	2	5	0	33	43.5	1.0	50.03	0.05	88.19	0.04	15	12.3		4.5	4.6	ASRS	
33	2004	2	5	10	47	49.6	1.0	50.18	0.05	87.90	0.05	15	10.3		3.4	3.5	ASRS	
34	2004	2	6	20	25	8.6		47.043	0.148	82.583	0.334	10		3.8		2.4	OBN	
35	2004	2	7	16	9	47.8	0.8	49.92	0.04	88.22	0.03	15	10.9		3.6	3.8	ASRS	
36	2004	2	7	19	45	35.7	0.8	50.34	0.04	87.57	0.06	15	11.4		4.1	4.1	ASRS	2
37	2004	2	8	0	44	14.3		50.366	0.208	87.185	0.528	10		3.8		2.4	OBN	
38	2004	2	8	2	23	38.4	0.2	50.39	0.01	97.80	0.01	15	8.2			2.3	ASRS	
39	2004	2	9	8	46	0.0		53.80		90.90		15	10.0		3.5	3.3	ASRS	возможно взрыв
40	2004	2	11	5	34	41.4		53.61		91.21		15	9.3		3.2	2.9	ASRS	возможно взрыв
41	2004	2	12	15	23	39.2	1.5	50.03	0.07	87.91	0.06	15	10.0		3.3	3.3	ASRS	
42	2004	2	13	1	24	41.9	0.8	50.09	0.04	88.14	0.04	15	10.4		3.4	3.6	ASRS	
43	2004	2	14	20	24	57.6	1.3	49.99	0.05	88.18	0.08	15	9.4		3.0	3.0	ASRS	
44	2004	2	15	21	20	12.6	0.2	51.30	0.02	98.44	0.01	15	8.1			2.3	ASRS	
45	2004	2	18	3	5	10.2	0.7	51.93	0.02	82.88	0.05	15	8.2		2.5	2.3	ASRS	
46	2004	2	18	7	31	7.9	0.3	51.99	0.01	85.85	0.02	15	10.3		3.4	3.5	ASRS	3
47	2004	2	20	4	27	44.0	1.7	47.73	0.08	82.30	0.11	15	12.1		4.5	4.5	ASRS	
48	2004	2	21	1	6	51.6	0.7	49.88	0.03	87.81	0.04	15	10.5		3.5	3.6	ASRS	
49	2004	2	21	11	7	21.0	0.9	50.07	0.05	88.03	0.04	15	10.2		3.2	3.4	ASRS	
50	2004	2	24	14	32	53.8	1.3	49.89	0.05	87.67	0.07	15	11.5		4.0	4.2	ASRS	

¹ Ощущалось в Бийске, Горноалтайске.² Ощущалось в Акташе.³ Ощущалось в Горноалтайске.

Каталоги землетрясений по различным регионам России

№	Дата,			Время, t_0 ,			δt_0 , с	Гипоцентр					K_p	Магнитуды			Код сети	I, приме- чения
	год	м	д	ч	мин	с		φ , °N	$\delta\varphi$, °	λ , °E	$\delta\lambda$, °	h , км		δh , км	MPSP	MLH		
51	2004	2	25	12	23	49.7	0.8	50.34	0.04	87.81	0.05	15	11.9	3.9	4.4	ASRS		
52	2004	2	26	9	27	6.0	1.2	50.01	0.06	88.24	0.05	15	10.8	3.5	3.8	ASRS		
53	2004	2	26	19	8	1.9	0.5	51.93	0.02	85.41	0.05	15	9.6		3.1	ASRS	4	
54	2004	2	27	3	37	48.0	1.6	50.20	0.07	87.60	0.09	15	8.5		2.5	ASRS	5	
55	2004	2	27	8	26	48.7		53.68		90.97			9.9		3.3	ASRS	возможно взрыв	
56	2004	2	29	9	39	49.0	1.8	50.10	0.07	88.00	0.12	15	9.7	3.1	3.2	ASRS		
57	2004	2	29	11	58	23.3	1.0	50.31	0.04	87.70	0.08	15	10.1	3.3	3.4	ASRS		
58	2004	3	10	8	37	31.0		53.60		87.80			10.0	3.2	3.3	ASRS	возможно взрыв	
59	2004	3	11	6	53	58.6	1.2	50.33	0.07	87.55	0.08	15	9.8		3.2	ASRS	6	
60	2004	3	11	23	15	21.0	1.1	50.03	0.05	88.21	0.05	15	12.0	4.2	4.4	ASRS		
61	2004	3	13	1	40	32.0	0.2	49.71	0.01	97.99	0.01	15	8.8	2.5	2.7	ASRS		
62	2004	3	13	23	57	13.0	1.4	48.70	0.06	89.10	0.13	15	12.4	4.5	4.7	ASRS		
63	2004	3	14	7	51	36.0	1.2	50.30	0.05	87.60	0.10	15	9.0	2.4	2.8	ASRS		
64	2004	3	14	20	29	36.0	1.1	50.30	0.04	87.70	0.10	15	9.6	2.7	3.1	ASRS		
65	2004	3	14	21	10	38.3	0.2	53.40	0.02	97.19	0.01	15	9.4	2.7	3.0	ASRS		
66	2004	3	15	21	45	33.0	0.4	52.85	0.03	91.69	0.03	15	8.4		2.4	ASRS	7	
67	2004	3	17	1	30	59.9	1.3	50.23	0.06	87.87	0.07	15	10.3	3.4	3.5	ASRS		
68	2004	3	19	3	0	57.2	1.2	50.29	0.05	87.62	0.06	15	9.7	3.1	3.2	ASRS		
69	2004	3	19	5	40	33.5	1.3	50.30	0.05	87.65	0.10	15	9.8	3.0	3.2	ASRS		
70	2004	3	19	5	51	35.0	1.1	47.40	0.04	82.60	0.07	15	10.5		3.6	ASRS		
71	2004	3	21	7	33	33.3		52.840	0.181	88.210	0.234	15		3.9	2.5	OBN		
72	2004	3	21	16	15	41.8		52.97		88.02		15	9.7		3.0	3.2	ASRS	Гу ⁸
73	2004	3	22	1	20	4.0	1.3	50.09	0.06	87.92	0.05	15	10.6	3.5	3.7	ASRS		
74	2004	3	25	9	41	2.6	1.5	49.89	0.07	87.82	0.06	15	10.4	3.4	3.6	ASRS		
75	2004	3	25	14	45	16.3	1.4	51.09	0.04	92.63	0.09	15	11.2	3.6	4.0	ASRS		
76	2004	3	26	7	14	29.4		53.49		91.15			9.6	3.1	3.1	ASRS	возможно взрыв	
77	2004	3	27	10	0	58.6	0.8	50.09	0.04	88.02	0.04	15	10.6		3.7	ASRS		
78	2004	4	1	6	42	15.3	0.2	52.30	0.02	97.77	0.01	15	9.3	2.7	2.9	ASRS		
79	2004	4	2	11	22	9.3	0.3	52.96	0.02	91.60	0.03	15	7.8		2.1	ASRS	9	
80	2004	4	4	2	59	13.4	1.4	49.89	0.06	88.11	0.06	15	10.3	3.2	3.5	ASRS		
81	2004	4	6	9	30	2.8	1.1	49.94	0.05	88.22	0.05	15	11.2	3.7	4.0	ASRS		
82	2004	4	8	16	55	4.0	0.6	50.06	0.03	88.07	0.03	15	11.1	3.5	3.9	ASRS		
83	2004	4	9	7	8	14.0		53.60		90.80			9.6	2.1	3.1	ASRS	возможно взрыв	
84	2004	4	9	11	10	45.8	0.4	50.22	0.02	87.61	0.02	15	9.2		2.9	ASRS		
85	2004	4	12	16	10	16.8	0.1	54.48	0.01	94.11	0.02	15	6.9		1.6	ASRS		
86	2004	4	13	7	15	53.3	0.3	50.23	0.02	87.58	0.02	15	8.3	2.5	2.4	ASRS		
87	2004	4	17	14	13	25.6	1.4	50.19	0.05	87.63	0.08	15	11.9	4.0	4.4	ASRS	10	
88	2004	4	17	16	49	45.7	1.3	50.08	0.05	88.11	0.09	15	10.5	3.3	3.6	ASRS		
89	2004	4	21	2	30	52.9	1.2	50.08	0.06	87.66	0.05	15	9.7	3.0	3.2	ASRS		
90	2004	4	24	4	1	22.8	0.2	52.23	0.02	96.56	0.01	15	9.1		2.3	2.8	ASRS	
91	2004	4	24	10	46	12.4		50.210	0.184	87.710	0.365	15		3.9	2.5	OBN		
92	2004	4	25	2	43	29.9		54.14		87.49			9.9		3.3	ASRS	возможно взрыв	
93	2004	4	26	5	45	52.0	2.9	47.30	0.11	84.80	0.16	15	9.7		3.2	ASRS		
94	2004	4	27	7	10	10.6		56.06		86.25			7.4		1.9	ASRS	взрыв (Ант рудник- Анжерка)	
95	2004	4	28	16	8	48.6	0.6	49.89	0.03	87.70	0.03	15	10.4	3.4	3.6	ASRS		
96	2004	4	30	19	35	10.4	0.2	53.31	0.02	98.02	0.01	15	8.9	2.6	2.7	ASRS		
97	2004	5	6	0	37	52.9	0.2	51.14	0.02	98.12	0.02	15	8.5		2.5	ASRS		
98	2004	5	6	16	12	3.2	0.2	51.05	0.02	98.12	0.01	15	8.3	2.5	2.4	ASRS		
99	2004	5	7	23	11	38.0	1.3	50.13	0.06	88.05	0.06	15	10.3	3.4	3.5	ASRS		
100	2004	5	8	7	50	7.2	0.8	50.29	0.04	87.52	0.05	15	10.3	3.4	3.5	ASRS		
101	2004	5	8	8	53	7.8	0.2	54.77	0.02	95.15	0.02	15	12.3	4.5	4.6	ASRS		

⁴ Ощущалось в Горноалтайске.

⁵ Ощущалось в Акташе.

⁶ Ощущалось в Акташе.

⁷ Ощущалось в Черемушках.

⁸ Ощущалось в Шерегеше, Таштаголе.

⁹ Ощущалось в Черемушках, Сизой.

¹⁰ Ощущалось в Новокузнецке.

№	Дата,			Время, t_0 ,			δt_0 , с	Гипоцентр						K_p	Магнитуды			Код сети	I, приме- чения
	год	м	д	ч	мин	с		φ , °N	$\delta\varphi$, °	λ , °E	$\delta\lambda$, °	h , км	δh , км		MPSP	MLH	M		
102	2004	5	8	19	8	15.2	1.1	50.03	0.05	88.13	0.06	15	10.9		3.8	3.8	ASRS		
103	2004	5	10	12	42	46.0	0.3	50.46	0.02	96.33	0.01	15	8.3			2.4	ASRS		
104	2004	5	11	8	16	55.8	0.3	52.79	0.03	99.13	0.02	15	8.7			2.6	ASRS		
105	2004	5	14	10	10	57.4	0.2	51.23	0.02	98.26	0.01	15	8.3			2.4	ASRS		
106	2004	5	14	20	1	5.4	0.5	50.34	0.03	87.57	0.05	15	8.6		2.5	2.6	ASRS	11	
107	2004	5	15	12	1	58.7	0.9	45.97	0.04	85.18	0.08	15	10.6		3.4	3.7	ASRS		
108	2004	5	16	6	25	50.6		54.19		87.49			9.7			3.2	ASRS	возможно взрыв	
109	2004	5	16	19	38	52.2	0.2	50.68	0.02	97.85	0.01	15	9.2		2.8	2.9	ASRS		
110	2004	5	20	3	31	24.4	1.3	49.89	0.05	88.42	0.07	15	9.4		3.0	3.0	ASRS		
111	2004	5	21	7	18	15.1		53.61		90.85			10.1			3.4	ASRS	возможно взрыв	
112	2004	5	22	18	52	10.1	1.0	48.74	0.04	88.93	0.08	15	11.1		3.7	3.9	ASRS		
113	2004	5	31	6	54	21.1		53.69		90.53			9.4		2.8	3.0	ASRS	возможно взрыв	
114	2004	5	31	13	13	22.9	0.4	50.28	0.02	87.56	0.02	15	12.0		4.5	4.4	ASRS		
115	2004	5	31	13	36	10.8	1.1	50.29	0.05	87.56	0.06	15	10.1		3.3	3.4	ASRS		
116	2004	6	1	11	4	3.2	0.9	50.31	0.04	87.58	0.07	15	10.2		3.3	3.4	ASRS		
117	2004	6	1	18	4	49.6	0.9	50.22	0.04	87.78	0.04	15	9.9		2.8	3.3	ASRS		
118	2004	6	4	6	35	56.0		54.20		87.40			9.5		3.6	3.1	ASRS	возможно взрыв	
119	2004	6	4	15	47	54.1	1.1	49.99	0.05	88.16	0.05	15	10.3		3.2	3.5	ASRS		
120	2004	6	6	8	11	28.2	0.3	49.61	0.02	98.00	0.01	15	9.4		2.7	3.0	ASRS		
121	2004	6	6	9	10	6.0	0.8	50.28	0.04	87.60	0.05	15	9.4		2.8	3.0	ASRS		
122	2004	6	10	11	12	20.0	1.0	50.31	0.05	87.58	0.07	15	10.2		3.4	3.4	ASRS		
123	2004	6	11	10	37	19.6		53.55		91.30			9.5			3.1	ASRS	возможно взрыв	
124	2004	6	12	18	3	52.6		50.215	0.286	88.231	0.414	10		4.1		2.8	OBN		
125	2004	6	13	9	5	29.4	0.1	51.05	0.01	97.88	0.01	15	10.6		3.4	3.7	ASRS		
126	2004	6	17	9	25	6.0	2.4	49.90	0.09	88.40	0.13	15	10.4		3.5	3.6	ASRS		
127	2004	6	20	9	26	0.6	0.2	50.49	0.01	97.82	0.01	15	9.4		2.8	3.0	ASRS		
128	2004	6	23	7	45	13.3		54.10		87.12			10.0		3.1	3.3	ASRS	возможно взрыв	
129	2004	6	24	7	56	52.0	1.6	50.20	0.07	87.60	0.10	15	9.1			2.8	ASRS		
130	2004	6	27	9	28	58.1	0.7	50.27	0.03	87.57	0.05	15	10.9			3.8	ASRS		
131	2004	6	27	17	1	32.6	1.2	45.99	0.06	96.59	0.09	15	11.4			4.1	ASRS		
132	2004	6	28	14	22	35.6	0.2	50.55	0.02	97.81	0.02	15	9.6			3.1	ASRS		
133	2004	7	8	9	35	16.0		53.60		91.50			9.8		2.5	3.2	ASRS	возможно взрыв	
134	2004	7	8	12	36	0.2	0.8	50.06	0.03	88.08	0.05	15	9.9		3.1	3.3	ASRS		
135	2004	7	15	8	0	18.0		53.80		90.90			9.7		3.0	3.2	ASRS	возможно взрыв	
136	2004	7	15	19	41	3.6	1.5	50.13	0.06	88.06	0.08	15	9.7		2.9	3.2	ASRS		
137	2004	7	16	19	35	22.2	0.2	51.04	0.02	98.19	0.01	15	8.3			2.4	ASRS		
138	2004	7	18	6	26	30.1	0.2	51.05	0.01	98.21	0.01	15	8.9		2.6	2.7	ASRS		
139	2004	7	18	11	55	11.3	0.2	51.04	0.01	98.21	0.01	15	9.8		3.0	3.2	ASRS		
140	2004	7	18	13	34	33.7	0.2	51.02	0.02	98.19	0.02	15	8.2		2.5	2.3	ASRS		
141	2004	7	18	17	24	28.8	0.2	51.04	0.01	98.19	0.01	15	8.8		2.4	2.7	ASRS		
142	2004	7	19	8	38	1.0	2.0	47.10	0.07	90.10	0.10	15	11.0		3.8	3.9	ASRS		
143	2004	7	20	22	19	14.5	0.2	51.03	0.01	98.19	0.01	15	11.1		3.5	3.9	ASRS		
144	2004	7	20	23	19	24.9	0.2	51.03	0.01	98.21	0.01	15	8.9		2.6	2.7	ASRS		
145	2004	7	21	4	3	25.0	0.2	51.01	0.02	98.17	0.01	15	9.4		2.8	3.0	ASRS		
146	2004	7	21	9	9	10.0	0.1	51.04	0.01	98.17	0.01	15	11.4		3.8	4.1	ASRS		
147	2004	7	21	9	53	20.0	0.2	51.06	0.01	98.22	0.01	15	8.6		2.6	2.6	ASRS		
148	2004	7	21	10	44	12.6	0.2	51.01	0.02	98.19	0.02	15	8.4			2.4	ASRS		
149	2004	7	21	12	39	28.1	0.2	51.03	0.02	98.19	0.01	15	11.8		3.9	4.3	ASRS		
150	2004	7	21	13	19	49.2	0.2	51.03	0.01	98.20	0.01	15	10.4		3.4	3.6	ASRS		
151	2004	7	21	13	27	16.8	0.2	51.01	0.02	98.22	0.01	15	11.9		4.5	4.4	ASRS		
152	2004	7	21	14	42	29.7	0.2	51.02	0.02	98.19	0.01	15	11.1		3.8	3.9	ASRS		
153	2004	7	21	16	57	21.1	0.2	50.97	0.01	98.17	0.01	15	8.5		2.6	2.5	ASRS		
154	2004	7	21	17	14	6.7	0.2	51.01	0.01	98.22	0.01	15	9.0		2.8	2.8	ASRS		
155	2004	7	21	18	23	57.4	0.2	51.04	0.02	98.18	0.01	15	9.1		2.7	2.8	ASRS		
156	2004	7	21	19	15	39.9	0.2	51.04	0.02	98.21	0.01	15	9.1		2.6	2.8	ASRS		
157	2004	7	21	19	27	3.5	0.2	50.99	0.02	98.20	0.02	15	12.3		4.2	4.6	ASRS	12	
158	2004	7	21	20	14	40.0	1.8	48.50	0.07	82.20	0.08	15	11.8		4.7	4.3	ASRS		

¹¹ Ощущалось в Акташе.

¹² Зыряновск, Усть-Каменогорск – 2 балла.

Каталоги землетрясений по различным регионам России

№	Дата,			Время, t_0 ,			δt_0 , с	Гипоцентр						K_p	Магнитуды			Код сети	I, приме- чения
	год	м	д	ч	мин	с		φ , °N	$\delta\varphi$, °	λ , °E	$\delta\lambda$, °	h , км	δh , км		MPSP	MLH	M		
159	2004	7	22	22	51	4.6	0.2	51.02	0.01	98.21	0.01	15	8.4	2.5	2.4	ASRS			
160	2004	7	23	7	3	38.5	0.2	51.03	0.01	98.21	0.01	15	9.5	2.8	3.1	ASRS			
161	2004	7	23	8	3	19.0		53.70		90.90			9.9		3.3	ASRS	возможно взрыв		
162	2004	7	23	9	26	35.7	0.2	51.03	0.02	98.21	0.01	15	10.3	3.2	3.5	ASRS			
163	2004	7	23	15	30	50.9	0.2	51.02	0.02	98.20	0.01	15	8.4	2.5	2.4	ASRS			
164	2004	7	24	5	36	41.1	0.3	51.00	0.02	98.22	0.02	15	11.7	4.3	4.3	ASRS			
165	2004	7	24	6	51	21.4	0.2	50.99	0.02	98.20	0.01	15	9.0	3.0	2.8	ASRS			
166	2004	7	24	8	41	4.8	0.2	51.03	0.02	98.22	0.01	15	10.9	3.7	3.8	ASRS			
167	2004	7	24	21	36	58.6	0.2	51.02	0.02	98.20	0.01	15	9.3	2.9	2.9	ASRS			
168	2004	7	25	8	54	41.7	0.2	51.04	0.02	98.19	0.01	15	8.7	2.4	2.6	ASRS			
169	2004	7	25	10	51	52.2	0.2	51.04	0.02	98.22	0.01	15	9.0	2.5	2.8	ASRS			
170	2004	7	26	20	29	23.7	0.2	50.99	0.02	98.13	0.02	15	12.2	4.1	4.6	ASRS			
171	2004	7	26	23	14	10.2	0.2	51.05	0.02	98.21	0.01	15	10.0	3.1	3.3	ASRS			
172	2004	7	27	2	48	10.3	0.2	51.08	0.01	98.26	0.01	15	8.7	2.4	2.6	ASRS			
173	2004	7	27	15	34	3.1	0.2	51.03	0.02	98.23	0.01	15	9.5	2.8	3.1	ASRS			
174	2004	7	28	16	42	20.8	0.2	51.05	0.02	98.21	0.01	15	8.4	2.3	2.4	ASRS			
175	2004	7	31	13	55	34.3	0.2	51.05	0.02	98.23	0.01	15	8.5	2.6	2.5	ASRS			
176	2004	8	2	2	59	37.0	5.3	46.50	0.19	82.00	0.33	15	10.1	3.0	3.4	ASRS			
177	2004	8	2	13	54	5.2	0.2	50.98	0.02	98.17	0.01	15	9.0	2.7	2.8	ASRS			
178	2004	8	3	8	11	21.9	0.3	51.23	0.02	98.30	0.02	15	9.3	2.6	2.9	ASRS			
179	2004	8	3	11	1	28.0		54.70		87.30			10.0		3.3	ASRS	возможно взрыв 13		
180	2004	8	4	4	33	56.0	3.0	55.50	0.12	82.80	0.15	15	9.3		2.9	ASRS			
181	2004	8	4	8	6	15.4		54.40		86.85			10.0	3.4	3.3	ASRS	возможно взрыв		
182	2004	8	5	6	18	10.6	0.3	51.01	0.02	98.23	0.02	15	8.6	2.4	2.6	ASRS			
183	2004	8	6	3	58	27.1	0.2	51.00	0.02	98.19	0.01	15	9.9	3.0	3.3	ASRS			
184	2004	8	9	2	37	21.9	1.4	50.88	0.05	90.94	0.10	15	10.6	3.5	3.7	ASRS			
185	2004	8	9	14	13	13.0	1.4	50.27	0.05	90.32	0.09	15	9.9	3.2	3.3	ASRS			
186	2004	8	11	14	24	51.5	0.7	50.36	0.03	87.68	0.05	15	11.6	4.2	4.2	ASRS			
187	2004	8	12	16	52	21.2	1.3	49.91	0.05	87.86	0.09	15	12.1	4.6	4.5	ASRS			
188	2004	8	14	0	3	35.2	0.9	50.14	0.04	87.84	0.04	15	10.4	3.3	3.6	ASRS			
189	2004	8	14	9	51	42.8	0.9	50.34	0.04	87.78	0.06	15	9.6	2.8	3.1	ASRS			
190	2004	8	15	4	6	54.5	0.2	51.03	0.01	98.20	0.01	15	9.6	2.8	3.1	ASRS			
191	2004	8	15	7	41	32.2	0.9	48.55	0.04	89.66	0.07	15	9.7		3.2	ASRS			
192	2004	8	15	20	6	10.1	0.2	51.07	0.02	98.24	0.01	15	8.8	2.5	2.7	ASRS			
193	2004	8	16	1	31	44.6	0.2	51.01	0.01	98.21	0.01	15	8.3	2.5	2.4	ASRS			
194	2004	8	18	17	3	44.9	0.2	51.01	0.01	98.13	0.01	15	8.9	2.4	2.7	ASRS			
195	2004	8	19	1	23	5.7	0.2	51.08	0.02	98.22	0.01	15	8.8	2.6	2.7	ASRS			
196	2004	8	19	5	39	49.0	1.7	45.90	0.08	82.50	0.22	15	10.6		3.7	ASRS			
197	2004	8	20	1	11	10.7	0.4	50.28	0.02	87.59	0.03	15	10.6	3.6	3.7	ASRS			
198	2004	8	21	23	53	53.7	0.9	51.95	0.03	91.21	0.07	15	10.5	3.4	3.6	ASRS			
199	2004	8	22	8	29	55.4	1.5	50.47	0.06	90.95	0.08	15	10.7	3.3	3.7	ASRS			
200	2004	8	23	0	53	48.8	0.4	52.96	0.02	85.58	0.04	15	10.4	3.2	3.6	ASRS	14		
201	2004	8	23	21	51	45.3	1.4	49.91	0.05	88.22	0.08	15	11.1	4.0	3.9	ASRS			
202	2004	8	23	22	49	7.1	1.4	50.05	0.05	88.14	0.09	15	9.4	2.8	3.0	ASRS			
203	2004	8	24	6	7	39.3	0.2	51.00	0.02	98.20	0.02	15	10.4	3.2	3.6	ASRS			
204	2004	8	24	17	20	6.1	0.9	50.19	0.04	87.55	0.05	15	9.3	3.0	2.9	ASRS			
205	2004	8	25	5	28	45.2		53.49		91.27			10.5	3.3	3.6	ASRS	возможно взрыв		
206	2004	8	25	11	22	42.7	1.1	50.18	0.04	87.65	0.07	15	10.1	3.3	3.4	ASRS			
207	2004	8	25	21	13	16.6	1.0	50.13	0.04	87.54	0.05	15	9.5	2.9	3.1	ASRS			
208	2004	8	25	21	22	56.9	0.9	50.18	0.04	87.49	0.05	15	9.4	2.9	3.0	ASRS			
209	2004	8	25	22	9	10.2	0.2	51.04	0.02	98.09	0.02	15	8.4	2.6	2.4	ASRS			
210	2004	8	25	23	38	56.5	0.2	51.04	0.02	98.24	0.01	15	10.0	3.0	3.3	ASRS			
211	2004	8	26	21	28	11.6	0.2	51.06	0.01	98.25	0.02	15	9.4	2.7	3.0	ASRS			
212	2004	8	26	21	31	11.0	1.4	50.28	0.06	87.68	0.10	15	9.4	2.7	3.0	ASRS			
213	2004	8	27	3	9	12.1	0.2	51.04	0.02	98.23	0.01	15	9.6	2.8	3.1	ASRS			
214	2004	8	27	4	34	7.8	1.0	50.25	0.03	87.80	0.06	15	10.2	3.0	3.4	ASRS			
215	2004	8	27	9	5	50.0	0.2	51.00	0.02	98.19	0.01	15	9.0	2.7	2.8	ASRS			
216	2004	8	27	17	44	2.5	0.2	51.05	0.02	98.25	0.01	15	10.6	3.5	3.7	ASRS			
217	2004	8	27	17	53	48.8	0.2	51.05	0.02	98.20	0.01	15	8.9	2.7	2.7	ASRS			
218	2004	8	27	18	26	29.5	0.2	51.03	0.01	98.20	0.01	15	9.2	2.8	2.9	ASRS			
219	2004	8	28	1	29	50.1	0.2	51.06	0.02	98.23	0.01	15	10.9	3.5	3.8	ASRS			

¹³ Ощущалось в Кольвани.

¹⁴ Ощущалось в Целинном, Бийске.

№	Дата,			Время, t_0 ,			δt_0 , с	Гипоцентр						K_p	Магнитуды			Код сети	I , приме- чания
	год	м	д	ч	мин	с		φ , °N	$\delta\varphi$, °	λ , °E	$\delta\lambda$, °	h , км	δh , км		MPSP	MLH	M		
220	2004	8	28	10	49	10.2	0.2	51.07	0.01	98.24	0.01	15	9.8				ASRS		
221	2004	8	28	22	41	16.9	0.2	50.99	0.01	98.17	0.01	15	8.6	2.7	2.6		ASRS		
222	2004	8	30	7	2	39.0	0.2	51.08	0.02	98.20	0.01	15	9.1	2.7	2.8		ASRS		
223	2004	8	31	9	2	58.3	0.2	51.09	0.02	98.20	0.02	15	8.7	2.5	2.6		ASRS		
224	2004	9	1	23	54	21.0	1.6	50.00	0.06	88.00	0.09	15	9.6	2.9	3.1		ASRS		
225	2004	9	3	2	47	9.0	1.5	50.00	0.06	88.10	0.10	15	9.7	3.3	3.2		ASRS		
226	2004	9	5	8	3	43.3	1.3	50.10	0.06	87.52	0.06	15	9.7	3.1	3.2		ASRS		
227	2004	9	6	6	5	4.6	0.2	50.98	0.02	98.10	0.02	15	9.1	2.8	2.8		ASRS		
228	2004	9	9	11	1	15.0	0.2	51.05	0.02	98.18	0.02	15	8.7	2.5	2.6		ASRS		
229	2004	9	9	14	55	22.5	0.2	51.05	0.02	98.20	0.01	15	9.0	2.6	2.8		ASRS		
230	2004	9	10	10	29	28.0		54.40		86.90			9.8	3.5	3.2		ASRS	возможно взрыв	
231	2004	9	12	5	44	31.7	1.4	50.24	0.06	87.77	0.09	15	10.0	3.2	3.3		ASRS		
232	2004	9	16	8	32	34.5	0.3	51.03	0.02	98.17	0.02	15	8.5	2.3	2.5		ASRS		
233	2004	9	24	7	23	36.0		53.70		90.70			9.7		3.2		ASRS	возможно взрыв	
234	2004	9	26	22	5	50.3		54.10		90.10			10.2		3.4		ASRS	возможно взрыв	
235	2004	9	28	12	51	25.1	1.5	49.98	0.06	88.42	0.09	15	10.1	3.4	3.4		ASRS		
236	2004	10	2	10	24	44.1	0.2	51.01	0.01	98.10	0.01	15	9.6	2.6	3.1		ASRS		
237	2004	10	5	8	36	5.0		53.70		90.70			9.8	2.7	3.2		ASRS	возможно взрыв	
238	2004	10	7	19	9	6.4	1.3	52.37	0.04	91.87	0.09	15	10.0	3.3	3.3		ASRS		
239	2004	10	8	7	26	59.4		53.66		91.01			9.3	2.9	2.9		ASRS	возможно взрыв	
240	2004	10	10	23	21	20.1	1.3	49.99	0.06	87.87	0.06	15	10.0	3.2	3.3		ASRS		
241	2004	10	11	22	41	39.5	1.1	46.08	0.08	96.57	0.12	15	12.1	4.5	4.5		ASRS		
242	2004	10	15	7	32	12.2	0.1	51.12	0.01	98.13	0.01	15	8.9	2.4	2.7		ASRS		
243	2004	10	15	7	50	18.8		53.73		91.01			9.2	2.6	2.9		ASRS	возможно взрыв	
244	2004	10	15	21	26	19.1	1.0	45.99	0.05	96.30	0.08	15	10.1		3.4		ASRS		
245	2004	10	16	0	38	0.1	1.8	46.15	0.09	96.84	0.17	15	10.6	3.5	3.7		ASRS		
246	2004	10	16	2	23	15.4	2.2	46.09	0.11	96.58	0.18	15	10.0	3.4	3.3		ASRS		
247	2004	10	24	23	28	37.8	0.2	51.31	0.01	98.38	0.01	15	9.7	2.6	3.2		ASRS		
248	2004	10	28	8	56	50.0		54.25		87.30			9.0		2.8		ASRS	возможно взрыв	
249	2004	11	2	15	7	23.3	1.2	48.92	0.05	92.31	0.10	15	10.6	3.4	3.7		ASRS		
250	2004	11	7	14	22	21.9	1.5	50.07	0.06	87.87	0.08	15	9.7	3.1	3.2		ASRS		
251	2004	11	8	21	55	11.0	0.2	51.13	0.02	98.25	0.01	15	9.9	2.9	3.3		ASRS		
252	2004	11	12	5	16	28.8	0.3	49.32	0.02	96.83	0.01	15	9.9	2.7	3.3		ASRS		
253	2004	11	12	13	23	53.4	0.2	51.11	0.02	98.21	0.01	15	10.6	3.3	3.7		ASRS		
254	2004	11	13	23	13	42.6	1.4	47.35	0.06	84.38	0.08	15	9.9		3.3		ASRS		
255	2004	11	14	6	26	6.7	0.1	51.13	0.01	98.24	0.01	15	8.7	2.3	2.6		ASRS		
256	2004	11	22	23	15	18.1	0.8	49.97	0.03	88.57	0.05	15	9.7	3.2	3.2		ASRS		
257	2004	11	27	10	24	19.1	0.8	50.38	0.03	90.90	0.05	15	10.0	3.2	3.3		ASRS		
258	2004	12	6	17	10	57.8	0.8	49.99	0.04	88.28	0.03	15	9.6		3.1		ASRS		
259	2004	12	10	6	54	12.2	0.2	49.16	0.02	97.17	0.01	15	8.9		2.7		ASRS		
260	2004	12	14	14	5	22.1	0.2	51.09	0.01	98.23	0.01	15	9.8	2.9	3.2		ASRS		
261	2004	12	14	16	40	40.3	0.2	51.11	0.01	98.21	0.01	15	9.7	2.7	3.2		ASRS		
262	2004	12	22	15	19	46.1	0.2	52.33	0.01	98.94	0.01	15	9.5	2.5	3.1		ASRS		
263	2004	12	24	8	41	28.3		53.69		91.00			9.8	3.2	3.2		ASRS	возможно взрыв	
264	2004	12	30	23	4	3.8	1.5	51.46	0.07	93.07	0.10	15	10.1	3.3	3.4		ASRS		