

Алтай и Саяны ($M \geq 1.8$)

по данным АСФ ФИЦ ЕГС РАН (ASGSR) [1, 2]

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№	Дата,			Время, t_0 ,			δt_0 , с	Гипоцентр				$K_{\text{расч}}$	Магнитуды		Код сети	I, приме- чание
	год	м	д	ч	мин	с		φ , °N	λ , °E	h , км	δh , км		ML	M		
1	2015	1	2	23	2	5.4		46.821	97.094	10 f	9.0	3.8	2.3	ASGSR		
2	2015	1	3	8	17	57.8		51.544	94.115	10 f	9.0	3.8	2.3	ASGSR		
3	2015	1	7	5	17	2.3		49.498	88.388	10 f	8.6	3.5	2.0	ASGSR		
4	2015	1	9	3	49	19.9		51.596	95.798	10 f	10.7	4.9	3.4	ASGSR		
5	2015	1	10	19	54	42.2		52.722	98.235	10 f	8.3	3.3	1.8	ASGSR		
6	2015	1	12	3	20	50.9		51.760	95.868	5 f	8.7	3.6	2.1	ASGSR		
7	2015	1	15	12	28	32.1		51.736	95.919	5 f	8.7	3.6	2.1	ASGSR		
8	2015	1	18	18	35	17.8		49.270	87.692	10 f	8.6	3.5	2.0	ASGSR		
9	2015	1	19	16	40	3.9		46.138	89.978	10 f	9.5	4.1	2.6	ASGSR		
10	2015	1	19	22	5	8.4		51.237	89.417	10 f	8.4	3.4	1.9	ASGSR		
11	2015	1	21	13	10	32.0		50.092	87.875	5 f	8.7	3.6	2.1	ASGSR		
12	2015	1	22	15	16	11.9		45.931	80.804	10 f	8.7	3.6	2.1	ASGSR		
13	2015	1	24	21	30	9.4		49.780	94.730	5 f	8.6	3.5	2.0	ASGSR		
14	2015	1	25	0	39	48.6		51.267	98.139	5 f	8.7	3.6	2.1	ASGSR		
15	2015	1	25	23	57	10.7		49.524	93.481	10 f	8.6	3.5	2.0	ASGSR		
16	2015	1	26	8	15	24.9		51.825	95.862	5 f	8.4	3.4	1.9	ASGSR		
17	2015	1	26	11	25	6.5		49.821	87.697	5 f	11.1	5.1	3.6	ASGSR		
18	2015	1	26	15	2	13.4		47.023	81.951	10 f	8.6	3.5	2.0	ASGSR		
19	2015	1	28	8	8	26.4		47.805	82.193	10 f	10.3	4.6	3.1	ASGSR		
20	2015	1	30	13	32	47.7		51.309	98.253	5 f	8.7	3.6	2.1	ASGSR		
21	2015	2	3	22	47	40.1		49.900	87.710	10 f	11.1	5.1	3.6	ASGSR		
22	2015	2	3	23	1	19.2		49.861	87.750	10 f	8.3	3.3	1.8	ASGSR		
23	2015	2	4	17	17	17.0		48.076	99.660	10 f	8.9	3.7	2.2	ASGSR		
24	2015	2	9	10	14	10.4		51.817	95.773	5 f	10.6	4.8	3.3	ASGSR		
25	2015	2	10	14	44	3.8		46.695	86.215	10 f	8.9	3.7	2.2	ASGSR		
26	2015	2	10	15	8	56.8		51.822	95.805	5 f	8.4	3.4	1.9	ASGSR		
27	2015	2	10	17	1	29.8		53.356	97.554	5 f	9.0	3.8	2.3	ASGSR		
28	2015	2	13	1	7	20.4		49.352	91.495	5 f	9.4	4.0	2.5	ASGSR		
29	2015	2	16	12	27	58.3		50.947	96.453	5 f	8.9	3.7	2.2	ASGSR		
30	2015	2	17	22	19	50.8		50.103	91.712	10 f	9.4	4.0	2.5	ASGSR		
31	2015	2	22	16	25	29.6		51.859	96.079	10 f	8.3	3.3	1.8	ASGSR		
32	2015	2	22	17	25	12.9		51.853	96.081	10 f	8.7	3.6	2.1	ASGSR		
33	2015	2	23	18	48	6.5		49.295	95.138	10 f	8.4	3.4	1.9	ASGSR		
34	2015	2	23	19	24	54.2		49.240	95.104	5 f	8.6	3.5	2.0	ASGSR		
35	2015	2	24	8	19	55.2		49.374	95.050	10 f	8.9	3.7	2.2	ASGSR		
36	2015	2	25	5	59	36.9		50.548	85.527	10 f	9.4	4.0	2.5	ASGSR		
37	2015	3	4	1	23	28.2		51.775	96.065	5 f	9.2	3.9	2.4	ASGSR		
38	2015	3	8	5	18	34.7		51.439	98.450	5 f	8.6	3.5	2.0	ASGSR		
39	2015	3	11	3	59	34.4		51.762	96.057	5 f	8.7	3.6	2.1	ASGSR		
40	2015	3	11	4	16	20.5		51.776	96.085	5 f	8.9	3.7	2.2	ASGSR		
41	2015	3	14	18	41	32.0		49.224	93.551	10 f	9.4	4.0	2.5	ASGSR		
42	2015	3	18	19	52	36.2		52.016	97.740	10 f	8.9	3.7	2.2	ASGSR		
43	2015	3	21	9	39	16.5		49.845	98.168	10 f	8.6	3.5	2.0	ASGSR		
44	2015	3	24	19	15	25.0		50.841	97.689	10 f	8.6	3.5	2.0	ASGSR		
45	2015	3	27	16	12	39.4		50.813	89.250	10 f	8.7	3.6	2.1	ASGSR		
46	2015	4	4	13	40	53.6		51.245	97.764	5 f	9.7	4.2	2.7	ASGSR		

№	Дата,			Время, t_0 ,			δt_0 , с	Гипоцентр				$K_{\text{расч}}$	Магнитуды		Код сети	I, приме- чание
	год	м	д	ч	мин	с		φ , °N	λ , °E	h , км	δh , км		ML	M		
47	2015	4	5	15	0	4.3		52.284	97.784	5 f	8.9	3.7	2.2	ASGSR		
48	2015	4	8	14	10	53.8		48.477	83.514	10 f	10.0	4.4	2.9	ASGSR		
49	2015	4	13	21	4	20.7		47.719	87.699	10 f	8.3	3.3	1.8	ASGSR		
50	2015	4	16	11	26	55.4		47.721	82.364	5 f	8.6	3.5	2.0	ASGSR		
51	2015	4	18	12	16	45.6		51.291	89.872	10 f	8.9	3.7	2.2	ASGSR		
52	2015	4	19	2	15	56.8		47.840	88.542	10 f	8.6	3.5	2.0	ASGSR		
53	2015	4	20	9	10	19.4		51.859	97.487	5 f	8.6	3.5	2.0	ASGSR		
54	2015	4	20	12	30	37.7		48.261	95.508	5 f	10.0	4.4	2.9	ASGSR		
55	2015	4	26	3	28	28.2		52.237	98.317	5 f	8.9	3.7	2.2	ASGSR		
56	2015	5	10	12	2	0.6		51.103	89.753	5 f	8.7	3.6	2.1	ASGSR		
57	2015	5	10	23	30	11.8		52.007	95.894	5 f	9.2	3.9	2.4	ASGSR		
58	2015	5	11	18	35	30.3		50.135	87.873	10 f	8.4	3.4	1.9	ASGSR		
59	2015	5	11	18	41	33.2		50.590	87.385	10 f	8.6	3.5	2.0	ASGSR		
60	2015	5	12	16	16	12.0		50.931	97.920	5 f	8.6	3.5	2.0	ASGSR		
61	2015	5	13	20	15	12.6		49.276	98.451	10 f	8.6	3.5	2.0	ASGSR		
62	2015	5	14	22	40	55.5		51.789	95.932	10 f	8.7	3.6	2.1	ASGSR		
63	2015	5	15	17	38	46.5		49.984	98.037	5 f	8.7	3.6	2.1	ASGSR		
64	2015	5	17	1	14	40.7		49.873	91.777	10 f	9.7	4.2	2.7	ASGSR		
65	2015	5	17	18	49	1.7		47.428	93.390	10 f	9.5	4.1	2.6	ASGSR		
66	2015	5	22	21	42	19.8		51.913	96.542	5 f	8.9	3.7	2.2	ASGSR		
67	2015	5	23	16	46	35.8		54.128	88.498	10 f	8.9	3.7	2.2	ASGSR		
68	2015	5	24	15	14	49.8		50.890	92.685	10 f	10.1	4.5	3.0	ASGSR		
69	2015	5	24	23	41	56.2		49.622	98.917	10 f	9.7	4.2	2.7	ASGSR		
70	2015	5	27	8	43	56.8		46.498	90.162	10 f	8.4	3.4	1.9	ASGSR		
71	2015	5	27	16	51	50.3		47.544	82.107	5 f	10.3	4.6	3.1	ASGSR		
72	2015	6	1	2	48	22.9		47.236	82.279	10 f	8.6	3.5	2.0	ASGSR		
73	2015	6	6	19	51	38.8		51.633	99.618	10 f	9.0	3.8	2.3	ASGSR		
74	2015	6	10	12	37	58.4		49.316	97.238	10 f	8.7	3.6	2.1	ASGSR		
75	2015	6	13	1	29	42.9		46.667	80.291	10 f	8.9	3.7	2.2	ASGSR		
76	2015	6	15	14	45	52.1		51.261	98.417	5 f	8.6	3.5	2.0	ASGSR		
77	2015	6	19	9	3	13.9		52.834	100.055	10 f	8.7	3.6	2.1	ASGSR		
78	2015	6	21	0	15	24.3		50.928	84.471	10 f	8.3	3.3	1.8	ASGSR		
79	2015	6	24	16	58	24.9		51.170	98.366	10 f	8.9	3.7	2.2	ASGSR		
80	2015	6	27	4	35	25.6		50.582	96.926	10 f	8.3	3.3	1.8	ASGSR		
81	2015	7	4	21	47	20.2		51.592	95.794	5 f	10.1	4.5	3.0	ASGSR		
82	2015	7	4	22	30	14.9		47.795	92.963	10 f	9.7	4.2	2.7	ASGSR		
83	2015	7	5	2	40	39.2		50.109	87.939	10 f	9.4	4.0	2.5	ASGSR		
84	2015	7	7	2	14	53.3		49.043	84.503	10 f	8.6	3.5	2.0	ASGSR		
85	2015	7	10	21	48	11.0		51.593	95.648	5 f	8.3	3.3	1.8	ASGSR		
86	2015	7	14	10	59	23.7		47.046	95.924	5 f	10.0	4.4	2.9	ASGSR		
87	2015	7	15	2	6	42.9		50.145	98.164	5 f	9.4	4.0	2.5	ASGSR		
88	2015	7	15	6	13	18.6		51.767	95.589	5 f	8.6	3.5	2.0	ASGSR		
89	2015	7	23	16	9	8.2		50.361	91.408	15 f	8.9	3.7	2.2	ASGSR		
90	2015	7	26	0	7	37.0		51.923	95.949	5 f	8.3	3.3	1.8	ASGSR		
91	2015	7	30	13	45	59.5		50.376	96.802	10 f	9.0	3.8	2.3	ASGSR		
92	2015	8	2	0	4	7.3		46.312	82.928	5 f	10.9	5.0	3.5	ASGSR		
93	2015	8	3	15	9	36.5		49.352	93.022	5 f	10.3	4.6	3.1	ASGSR		
94	2015	8	22	17	21	16.3		46.189	80.028	10 f	9.5	4.1	2.6	ASGSR		
95	2015	8	23	22	47	43.6		49.683	88.860	5 f	9.0	3.8	2.3	ASGSR		
96	2015	8	28	6	7	53.7		50.076	89.850	5 f	8.9	3.7	2.2	ASGSR		
97	2015	8	31	23	59	54.3		51.765	90.186	5 f	8.4	3.4	1.9	ASGSR		
98	2015	9	1	4	42	15.3		51.837	95.988	5 f	8.7	3.6	2.1	ASGSR		
99	2015	9	3	15	30	50.0		52.469	89.742	10 f	10.7	4.9	3.4	ASGSR	1	
100	2015	9	6	13	12	4.4		49.797	96.696	10 f	9.2	3.9	2.4	ASGSR		
101	2015	9	7	19	1	49.9		50.844	97.905	5 f	10.4	4.7	3.2	ASGSR		
102	2015	9	7	20	5	49.8		51.255	98.396	5 f	9.2	3.9	2.4	ASGSR		
103	2015	9	10	11	41	4.5		49.974	87.906	10 f	8.3	3.3	1.8	ASGSR		

¹ Плотина Саяно-Шушенской ГЭС (117 км) – 2 балла.

№	Дата,			Время, t_0 ,			δt_0 , с	Гипоцентр				$K_{\text{расч}}$	Магнитуды		Код сети	I, приме- чание
	год	м	д	ч	мин	с		φ , °N	λ , °E	h , км	δh , км		ML	M		
104	2015	9	15	0	18	13.3		52.204	94.790	10 f		8.3	3.3	1.8	ASGSR	
105	2015	9	17	5	12	32.0		49.738	98.308	5 f		9.5	4.1	2.6	ASGSR	
106	2015	9	17	9	56	0.4		46.516	80.111	5 f		9.0	3.8	2.3	ASGSR	
107	2015	9	18	8	16	30.4		49.865	88.268	15		8.3	3.3	1.8	ASGSR	
108	2015	9	23	9	41	23.7		51.303	99.555	10 f		8.4	3.4	1.9	ASGSR	
109	2015	9	30	9	50	43.7		49.991	87.897	10 f		10.1	4.5	3.0	ASGSR	
110	2015	10	2	17	4	55.8		52.907	95.561	5 f		8.4	3.4	1.9	ASGSR	
111	2015	10	2	20	42	40.4		50.316	88.588	10 f		8.9	3.7	2.2	ASGSR	
112	2015	10	3	20	51	41.6		50.532	87.441	10 f		8.6	3.5	2.0	ASGSR	
113	2015	10	5	11	16	38.0		49.042	81.580	5 f		10.6	4.8	3.3	ASGSR	
114	2015	10	9	4	12	10.8		50.014	91.802	10 f		8.7	3.6	2.1	ASGSR	
115	2015	10	10	20	45	42.4		51.287	90.111	10 f		8.3	3.3	1.8	ASGSR	
116	2015	10	14	14	30	53.5		53.106	87.649	4		8.4	3.4	1.9	ASGSR	2
117	2015	10	16	19	35	18.5		51.785	96.082	5 f		8.3	3.3	1.8	ASGSR	
118	2015	10	17	1	10	34.9		52.268	98.009	5 f		9.2	3.9	2.4	ASGSR	
119	2015	10	17	18	12	38.6		54.209	97.385	5 f		8.9	3.7	2.2	ASGSR	
120	2015	10	22	0	16	28.8		47.072	90.412	5 f		8.3	3.3	1.8	ASGSR	
121	2015	10	31	12	55	6.6		51.708	96.833	5 f		9.5	4.1	2.6	ASGSR	
122	2015	11	1	4	17	12.0		50.996	97.438	5 f		8.3	3.3	1.8	ASGSR	
123	2015	11	3	7	3	48.5		52.064	96.067	5 f		9.8	4.3	2.8	ASGSR	
124	2015	11	6	18	40	30.3		50.155	96.502	5 f		8.7	3.6	2.1	ASGSR	
125	2015	11	6	21	13	18.6		49.836	87.849	10 f		8.3	3.3	1.8	ASGSR	
126	2015	11	7	1	9	44.3		51.981	96.125	5 f		8.7	3.6	2.1	ASGSR	
127	2015	11	9	3	50	28.1		50.534	90.780	5 f		8.3	3.3	1.8	ASGSR	
128	2015	11	10	19	40	8.5		49.547	84.732	10 f		9.0	3.8	2.3	ASGSR	
129	2015	11	11	23	34	40.8		51.647	98.416	10 f		10.1	4.5	3.0	ASGSR	
130	2015	11	22	22	43	24.1		51.982	99.600	5 f		8.6	3.5	2.0	ASGSR	
131	2015	11	23	19	56	2.0		50.132	87.772	10 f		8.7	3.6	2.1	ASGSR	
132	2015	11	27	20	26	26.1		50.505	89.977	10 f		9.2	3.9	2.4	ASGSR	
133	2015	11	29	6	36	31.4		50.399	98.138	10 f		10.7	4.9	3.4	ASGSR	
134	2015	11	29	6	57	40.6		50.172	98.148	5 f		8.3	3.3	1.8	ASGSR	
135	2015	12	2	9	53	11.7		50.934	84.869	10 f		8.3	3.3	1.8	ASGSR	
136	2015	12	3	22	15	41.7		51.875	96.722	5 f		8.6	3.5	2.0	ASGSR	
137	2015	12	4	6	52	8.5		51.991	96.186	5 f		9.5	4.1	2.6	ASGSR	
138	2015	12	4	21	19	17.6		51.515	85.360	10 f		8.7	3.6	2.1	ASGSR	
139	2015	12	6	4	25	5.2		47.244	84.232	10 f		8.4	3.4	1.9	ASGSR	
140	2015	12	6	4	48	5.8		46.875	80.279	10 f		8.7	3.6	2.1	ASGSR	
141	2015	12	8	18	36	53.3		53.372	98.652	5		10.4	4.7	3.2	ASGSR	
142	2015	12	19	11	52	59.8		46.501	90.374	10 f		9.2	3.9	2.4	ASGSR	
143	2015	12	25	14	32	14.5		46.368	82.950	10 f		9.2	3.9	2.4	ASGSR	
144	2015	12	27	18	39	2.0		48.525	83.792	10 f		11.2	5.2	3.7	ASGSR	

Литература

1. *Part_IV-2015. 04_Altai-and-Sayan Mountains_2015.xls* // Землетрясения России в 2015 году. – Обнинск: ФИЦ ЕГС РАН, 2017. – Приложение на CD-ROM.

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² возможно землетрясение.