















## 7. 北海道西部に位置するKiK-net観測点の観測記録一覧(HYMH01北檜山)

No.	地震発生時刻	震源地名	北緯(度分)		東経(度分)		震源深さ (km)	M	震央距離 (km)	最大加速度 (Gal)
237	2021/10/9 11:47:33.31	S OFF TOMAKOMAI	42	22.82	141	56.34	97	4.5	163	0.2
238	2021/10/19 21:36:39.55	E OFF AOMORI PREF	41	32.53	142	54.36	38	5.4	265	0.2
239	2021/12/21 1:05:26.14	HIDAKA REGION	42	23.13	142	39.45	39	4.8	222	0.1



## 7. 北海道西部に位置するKiK-net観測点の観測記録一覧(HYMH02厚沢部)

No.	地震発生日時	震央地名	北緯(度分)	東経(度分)	震源深さ (km)	M	震央距離 (km)	最大加速度 (Gal)
1	2001/4/3 4:54:19.16	E OFF AOMORI PREF	40 36.78	141 55.27	63	5.6	204	0.3
2	2001/4/27 2:48:58.16	OFF NEMURO PENINSULA	43 1.67	145 52.52	80	5.9	472	0.2
3	2001/5/25 9:40:52.89	SE OFF ETOROFU	44 18.97	148 48.80	30	6.9	738	0.3
4	2001/8/14 5:11:24.94	E OFF AOMORI PREF	40 59.73	142 26.19	38	6.4	209	1
5	2001/8/24 18:48:01.73	E OFF AOMORI PREF	41 1.06	142 22.89	41	5.3	204	1
6	2001/12/2 22:01:55.25	SOUTHERN IWATE PREF	39 23.90	141 15.79	122	6.4	298	1
7	2002/2/14 10:12:21.55	E OFF AOMORI PREF	41 27.98	142 3.75	64	5.1	157	0.4
8	2002/4/4 8:42:14.83	E OFF AOMORI PREF	41 28.42	142 0.53	59	5.4	152	1
9	2002/4/21 6:30:32.11	E OFF AOMORI PREF	41 34.09	142 5.57	65	4.8	155	0.3
10	2002/5/30 14:07:45.14	E OFF AOMORI PREF	41 30.13	142 2.80	62	4.8	154	0.4
11	2002/6/29 2:19:33.01	NEAR VLADIVOSTOK	43 30.23	131 23.54	589	7.0	749	1
12	2002/7/10 23:48:43.89	E OFF AOMORI PREF	41 41.40	142 15.19	55	4.8	165	0.2
13	2002/10/14 23:12:43.45	E OFF AOMORI PREF	41 9.11	142 16.85	53	6.1	189	1
14	2002/11/3 12:37:43.62	KINKAZAN REGION	38 53.79	142 8.32	46	6.3	376	0.3
15	2003/2/19 14:01:41.24	RUMOI REGION	44 7.14	141 50.83	222	5.9	268	1
16	2003/4/17 2:59:53.69	E OFF AOMORI PREF	40 57.64	142 20.51	40	5.6	204	0.3
17	2003/5/26 18:24:33.42	NORTHERN MIYAGI PREF	38 49.26	141 39.04	72	7.1	369	2
18	2003/6/12 4:45:59.37	SW OFF HOKKAIDO	41 35.09	139 26.05	21	4.5	85	1
19	2003/7/20 2:25:17.55	TSUGARU STRAIT REGION	41 27.66	140 17.15	9	4.1	58	0.3
20	2003/7/26 7:13:31.52	NORTHERN MIYAGI PREF	38 24.30	141 10.26	12	6.4	404	0.3
21	2003/7/27 15:25:34.26	SOUTHERN SIBERIA	46 49.17	139 8.86	487	7.1	545	0.4
22	2003/9/26 4:50:07.42	SE OFF TOKACHI	41 46.71	144 4.71	45	8.0	314	9
23	2003/9/26 6:08:01.84	SE OFF ERIMOMISAKI	41 42.59	143 41.49	21	7.1	283	4
24	2003/9/28 7:23:24.53	HIDAKA REGION	42 11.46	142 58.14	51	5.2	221	0.2
25	2003/9/29 11:36:55.06	SE OFF TOKACHI	42 21.58	144 33.18	43	6.5	353	0.3
26	2003/10/7 1:27:54.53	E OFF URAKAWA	41 58.19	142 32.34	64	4.5	185	0.2
27	2003/10/8 18:06:56.79	SE OFF TOKACHI	42 33.92	144 40.19	51	6.4	365	0.2
28	2003/10/31 10:06:30.67	SE OFF MIYAGI PREF	37 49.93	142 41.76	33	6.8	504	0.3
29	2003/11/24 21:18:17.69	HIDAKA MOUNTAINS REGION	42 19.02	143 0.15	52	5.3	226	0.4
30	2004/4/23 7:16:35.48	E OFF AOMORI PREF	40 44.45	142 29.08	66	4.9	229	0.3
31	2004/6/11 3:12:10.10	HIDAKA MOUNTAINS REGION	42 19.30	143 7.85	48	5.2	236	0.3
32	2004/7/4 21:31:13.98	E OFF URAKAWA	42 2.99	142 29.08	62	4.9	180	0.3
33	2004/7/21 9:38:19.64	E OFF AOMORI PREF	40 52.04	143 17.65	30	5.4	279	0.4
34	2004/8/10 15:13:30.98	OFF IWATE PREF	39 40.44	142 7.93	48	5.8	299	0.4
35	2004/8/10 22:49:23.01	SW OFF HOKKAIDO	41 43.04	139 20.99	23	4.5	85	2
36	2004/9/4 11:18:38.14	SHIMOKITA PENINSULA REG	41 15.69	140 48.98	14	3.8	91	0.3
37	2004/9/10 13:22:11.33	HIDAKA MOUNTAINS REGION	42 21.39	143 6.14	51	5.1	234	0.3
38	2004/11/27 7:42:37.55	HIDAKA MOUNTAINS REGION	42 19.55	143 4.81	51	5.6	232	0.3
39	2004/11/29 3:32:14.53	OFF NEMURO PENINSULA	42 56.76	145 16.53	48	7.1	422	1
40	2004/12/6 23:15:11.81	OFF NEMURO PENINSULA	42 50.86	145 20.57	46	6.9	425	1
41	2005/1/6 22:00:38.97	E OFF AOMORI PREF	41 27.44	142 6.24	61	5.3	160	0.4
42	2005/1/18 23:09:06.65	OFF NEMURO PENINSULA	42 52.54	145 0.44	50	6.4	399	0.5
43	2005/2/26 21:37:38.45	E OFF AOMORI PREF	40 41.12	142 35.77	45	5.7	240	1
44	2005/8/16 11:46:25.74	E OFF MIYAGI PREF	38 8.97	142 16.67	42	7.2	458	1
45	2005/10/18 1:13:40.69	W OFF AOMORI PREF	40 44.93	139 9.32	12	5.4	168	0.4
46	2005/10/20 10:24:29.42	SW OFF HOKKAIDO	41 59.13	139 50.95	13	3.8	38	6
47	2005/11/15 6:38:51.38	FAR E OFF NORTH HONSHU	38 1.63	144 56.68	45	7.2	591	1
48	2005/11/26 15:44:28.96	SW OFF HOKKAIDO	41 53.84	139 12.47	18	4.2	92	1
49	2005/12/13 6:01:37.58	NW OFF SHAKOTAN PEN	43 12.51	139 24.84	29	5.5	154	0.5
50	2006/2/24 17:51:51.34	TSUGARU STRAIT REGION	41 33.07	140 42.27	16	3.6	58	0.3
51	2006/4/26 23:10:36.97	SW OFF URAKAWA	42 1.97	142 35.60	61	4.6	189	0.3
52	2006/6/12 8:04:19.53	E OFF AOMORI PREF	41 29.93	142 2.18	72	4.4	154	0.3
53	2007/1/13 13:23:13.05	FAR FIELD	46 56.27	155 3.13	30	8.2	1293	1
54	2007/2/17 9:02:56.63	SE OFF ERIMOMISAKI	41 43.91	143 43.36	40	6.2	285	0.3
55	2007/3/25 9:41:57.91	OFF NOTO PENINSULA	37 13.24	136 41.16	11	6.9	614	0.2
56	2007/4/19 0:07:31.07	ISHIKARI DEPRESSION	42 40.24	141 56.80	126	5.6	155	0.5
57	2007/5/19 0:59:57.54	E OFF AOMORI PREF	41 33.77	142 3.17	68	5.3	152	0.4
58	2007/7/10 13:15:25.71	SW OFF HOKKAIDO	41 51.53	139 29.08	15	4.5	70	1
59	2007/7/16 23:17:36.96	NW OFF KINKI DISTRICT	36 51.96	135 6.27	374	6.7	723	1

No.	地震発生日時	震央地名	北緯(度分)	東経(度分)	震源深さ (km)	M	震央距離 (km)	最大加速度 (Gal)
60	2007/7/24 15:54:22.41	SW OFF HOKKAIDO	41 57.33	139 16.36	14	4.1	86	0.4
61	2007/8/22 16:26:23.42	OSHIMA PEN REG HOKKAIDO	41 58.43	140 48.07	122	5.4	41	2
62	2008/1/13 21:11:04.40	OSHIMA PEN REG HOKKAIDO	42 26.19	140 15.47	11	4.1	50	1
63	2008/4/29 14:26:05.32	E OFF AOMORI PREF	41 27.78	142 6.50	62	5.7	161	1
64	2008/5/8 14:51:18.77	FAR E OFF IBARAKI PREF	36 13.69	141 36.46	51	7.0	649	0.5
65	2008/6/14 8:43:45.36	SOUTHERN IWATE PREF	39 1.79	140 52.84	8	7.2	332	1
66	2009/7/28 20:52:50.96	OSHIMA PEN REG HOKKAIDO	41 25.06	140 6.53	8	4.0	65	0.4
67	2009/8/24 14:26:16.69	TSUGARU PENINSULA REGION	41 3.66	140 14.63	172	5.4	103	0.3
68	2009/9/8 1:24:26.62	HIDAKA REGION	42 11.58	142 58.32	51	4.8	222	0.1
69	2009/9/30 2:21:43.37	E OFF AOMORI PREF	41 29.63	142 4.18	63	4.3	156	0.1
70	2009/10/5 9:35:12.73	S OFF TOMAKOMAI	42 27.24	141 33.52	20	4.7	116	1
71	2009/10/10 17:42:48.49	E OFF AOMORI PREF	41 43.20	142 13.52	92	5.1	162	0.4
72	2009/12/17 4:04:01.03	SHIMOKITA PENINSULA REG	41 9.57	141 31.16	90	3.9	136	0.1
73	2009/12/24 9:23:35.57	SEA OF JAPAN	42 7.01	135 2.89	367	6.1	436	0.2
74	2009/12/30 4:23:03.44	S OFF URAKAWA	41 50.28	142 12.17	72	4.8	158	0.1
75	2010/1/7 5:39:38.93	S OFF URAKAWA	41 57.38	142 19.77	69	4.1	168	0
76	2010/1/15 3:46:25.57	HIDAKA MOUNTAINS REGION	42 21.16	143 7.08	51	5.0	236	0.4
77	2010/1/24 16:19:05.65	E OFF AOMORI PREF	41 12.59	141 38.71	14	4.5	141	0.2
78	2010/2/18 10:13:16.47	NEAR VLADIVOSTOK	42 37.22	131 3.81	619	6.8	765	0.2
79	2010/3/14 10:59:19.08	S OFF TOMAKOMAI	41 58.69	141 19.45	94	4.3	84	0.2
80	2010/3/14 17:08:04.18	E OFF FUKUSHIMA PREF	37 43.45	141 49.08	40	6.7	490	0.4
81	2010/3/30 10:02:51.11	EASTERN SEA OF JAPAN	43 11.50	138 34.70	25	5.8	195	0.5
82	2010/6/18 11:23:00.89	SE OFF ETOROFU	44 35.85	149 11.79	30	6.5	777	0.2
83	2010/6/19 19:00:49.50	E OFF AOMORI PREF	41 18.41	142 39.97	33	4.9	210	0.2
84	2010/6/28 6:03:25.38	E OFF AOMORI PREF	41 37.56	141 49.99	57	5.1	133	0.5
85	2010/7/5 6:55:52.36	E OFF IWATE PREF	39 39.43	142 39.17	34	6.4	325	0.4
86	2010/8/10 14:50:34.64	FAR E OFF SANRIKU	39 20.92	143 29.68	30	6.3	398	0.2
87	2010/8/14 13:25:07.91	KAMIKAWA-SORACHI REGION	42 49.33	142 20.47	109	4.6	191	0.2
88	2010/8/31 11:30:31.56	W OFF AOMORI PREF	40 24.17	139 10.48	33	4.9	200	0.1
89	2010/9/13 14:47:48.01	E OFF AOMORI PREF	41 27.36	142 7.31	63	5.8	162	1
90	2010/10/6 7:35:58.08	E OFF AOMORI PREF	41 29.50	142 0.58	63	4.1	152	0.1
91	2010/10/11 23:10:32.67	SHIMOKITA PENINSULA REG	41 5.99	141 17.95	88	4.2	128	0.1
92	2010/10/14 22:58:55.50	HIDAKA MOUNTAINS REGION	42 18.77	143 4.17	53	5.5	231	0.3
93	2010/12/6 16:30:29.85	E OFF AOMORI PREF	40 47.95	143 13.10	7	5.8	277	1
94	2010/12/15 16:37:19.98	E OFF AOMORI PREF	41 1.78	142 48.55	23	4.7	234	0.2
95	2011/1/11 14:11:42.47	HIDAKA REGION	42 36.10	142 8.56	133	4.1	166	0
96	2011/3/9 11:45:12.97	FAR E OFF MIYAGI PREF	38 19.71	143 16.79	8	7.3	478	1
97	2011/3/9 11:57:10.73	FAR E OFF MIYAGI PREF	38 19.34	143 23.84	12	6.2	484	0.2
98	2011/3/9 13:36:59.15	FAR E OFF MIYAGI PREF	38 36.39	143 14.93	11	6.1	451	0.1
99	2011/3/10 3:16:14.18	FAR E OFF MIYAGI PREF	38 16.27	142 52.73	29	6.4	467	0.1
100	2011/3/10 6:23:59.75	FAR E OFF MIYAGI PREF	38 10.33	143 2.69	9	6.8	483	0.3
101	2011/3/11 14:46:18.12	FAR E OFF MIYAGI PREF	38 6.21	142 51.66	24	9.0	483	5
102	2011/3/11 15:06:10.77	E OFF IWATE PREF	39 2.69	142 23.88	29	6.5	371	1
103	2011/3/11 15:08:53.46	E OFF IWATE PREF	39 49.24	142 46.01	32	7.4	317	2
104	2011/3/11 15:25:44.33	FAR E OFF NORTH HONSHU	37 54.86	144 45.06	11	7.5	590	1
105	2011/3/11 16:28:59.83	E OFF IWATE PREF	39 1.35	142 18.67	17	6.6	370	1
106	2011/3/11 17:40:54.53	E OFF FUKUSHIMA PREF	37 25.44	141 16.39	30	6.0	513	0.2
107	2011/3/11 20:36:39.99	E OFF IWATE PREF	39 13.81	142 34.72	24	6.7	361	1
108	2011/3/12 4:46:46.19	W OFF AKITA PREF	40 23.65	139 5.34	4	6.4	204	1
109	2011/3/12 15:18:39.53	E OFF IWATE PREF	39 9.49	142 42.28	24	5.5	374	0.1
110	2011/3/12 19:53:28.46	OFF MIYAGI PREF	38 59.88	142 32.26	20	5.8	382	0.2
111	2011/3/12 22:15:41.76	E OFF FUKUSHIMA PREF	37 11.85	141 25.58	40	6.2	540	0.2
112	2011/3/12 23:43:05.97	E OFF IWATE PREF	39 28.22	142 41.73	9	5.9	344	0.4
113	2011/3/13 8:24:46.90	SE OFF MIYAGI PREF	38 0.72	141 56.90	15	6.2	463	0.2
114	2011/3/14 15:12:33.99	SE OFF MIYAGI PREF						

## 7. 北海道西部に位置するKiK-net観測点の観測記録一覧(HYMH02厚沢部)

No.	地震発生時刻	震央地名	北緯(度分)	東経(度分)	震源深さ (km)	M	震央距離 (km)	最大加速度 (Gal)
119	2011/3/25 20:36:24.28	E OFF MIYAGI PREF	38 43.75	142 6.43	45 6.3	393	0.2	
120	2011/3/28 7:23:57.02	E OFF MIYAGI PREF	38 23.02	142 20.78	32 6.5	436	0.4	
121	2011/3/29 19:54:30.44	SE OFF MIYAGI PREF	37 24.52	142 28.18	13 6.6	541	0.2	
122	2011/3/31 16:15:29.67	KINKAZAN REGION	38 52.34	142 5.06	47 6.1	377	0.3	
123	2011/4/1 19:49:44.12	NORTHERN AKITA PREF	40 15.41	140 21.84	12 5.0	192	0.3	
124	2011/4/1 20:57:54.60	E OFF IWATE PREF	39 20.18	142 9.97	45 6.0	333	0.3	
125	2011/4/7 23:32:43.46	E OFF MIYAGI PREF	38 12.25	141 55.21	66 7.2	442	2	
126	2011/4/11 17:16:12.02	EASTERN FUKUSHIMA PREF	36 56.74	140 40.36	6 7.0	560	0.3	
127	2011/4/14 4:57:18.53	FAR E OFF SANRIKU	39 38.89	143 48.53	0 6.3	393	0.2	
128	2011/4/29 9:00:01.53	SW OFF HOKKAIDO	42 6.72	139 11.98	18 3.9	93	1	
129	2011/5/4 14:41:46.40	SHIMOKITA PENINSULA REG	40 50.75	141 24.85	92 4.6	157	0.2	
130	2011/5/5 23:58:19.13	FAR E OFF NORTH HONSHU	38 12.73	144 7.14	42 6.1	530	0.1	
131	2011/6/14 23:56:00.08	E OFF IWATE PREF	39 29.41	142 31.70	28 5.3	335	0.1	
132	2011/6/22 23:28:55.75	NE OFF IWATE PREF	40 3.82	142 54.87	23 5.5	306	0.2	
133	2011/6/23 6:50:50.73	E OFF IWATE PREF	39 56.87	142 35.45	36 6.9	297	1	
134	2011/6/25 2:39:26.46	S OFF URAKAWA	41 57.98	142 43.20	57 5.4	200	0.2	
135	2011/7/10 9:57:07.36	FAR E OFF MIYAGI PREF	38 1.91	143 30.40	34 7.3	517	0.5	
136	2011/7/23 13:34:23.87	KINKAZAN REGION	38 52.42	142 5.47	47 6.4	377	1	
137	2011/7/25 3:51:25.30	E OFF FUKUSHIMA PREF	37 42.52	141 37.60	46 6.3	488	0.3	
138	2011/7/26 7:58:45.53	S OFF URAKAWA	42 2.59	142 30.36	67 4.8	182	0.3	
139	2011/7/28 18:01:32.90	FAR E OFF SANRIKU	40 17.72	143 31.49	3 5.7	329	0.2	
140	2011/7/31 3:53:50.64	E OFF FUKUSHIMA PREF	36 54.19	141 13.28	57 6.5	570	0.4	
141	2011/8/1 2:35:57.15	E OFF AOMORI PREF	41 42.57	143 0.79	37 5.5	227	0.2	
142	2011/8/1 22:44:47.86	E OFF IWATE PREF	39 48.96	142 15.21	43 5.8	291	0.2	
143	2011/8/12 3:22:04.71	E OFF FUKUSHIMA PREF	36 58.13	141 9.66	52 6.1	562	0.2	
144	2011/8/17 4:35:18.94	NE OFF IWATE PREF	40 7.46	142 26.78	35 5.4	274	0.2	
145	2011/8/19 14:36:31.61	E OFF FUKUSHIMA PREF	37 38.94	141 47.80	51 6.5	498	0.2	
146	2011/8/31 19:59:33.46	SW OFF HOKKAIDO	42 21.48	139 14.87	24 3.6	97	0.4	
147	2011/9/17 4:26:35.86	NE OFF IWATE PREF	40 15.55	143 5.17	7 6.6	302	0.1	
148	2011/9/17 5:11:10.85	FAR E OFF SANRIKU	40 15.93	143 28.80	5 5.7	328	1	
149	2011/9/17 6:08:02.54	FAR E OFF SANRIKU	40 14.84	143 12.77	4 6.1	311	0.4	
150	2011/9/17 6:36:32.90	FAR E OFF SANRIKU	40 8.32	143 23.21	5 5.8	330	0.2	
151	2011/9/17 7:40:42.13	FAR E OFF SANRIKU	40 16.54	143 23.69	15 5.8	321	0.4	
152	2011/9/17 16:34:16.84	FAR E OFF SANRIKU	40 17.69	143 12.55	8 5.8	307	0.5	
153	2011/9/18 16:04:17.83	FAR E OFF SANRIKU	39 55.77	143 13.41	19 5.8	335	0.2	
154	2011/9/18 19:39:46.37	S OFF URAKAWA	41 56.15	142 26.48	66 5.0	177	0.2	
155	2011/10/7 11:51:18.14	E OFF AOMORI PREF	41 33.91	142 3.49	67 5.0	153	0.3	
156	2011/11/16 15:25:50.05	OSHIMA PEN REG HOKKAIDO	41 58.24	140 11.84	3 2.9	9	3	
157	2011/11/24 19:25:33.75	S OFF URAKAWA	41 45.02	142 53.24	43 6.2	216	0.4	
158	2012/1/1 14:27:52.05	NEAR TORISHIMA IS	31 25.68	138 33.99	397 7.0	1182	0.1	
159	2012/1/16 16:40:29.56	UCHIURA BAY REGION	42 8.40	140 34.29	14 2.9	28	0.3	
160	2012/1/28 9:22:16.47	NE OFF IWATE PREF	40 9.19	142 25.61	36 5.7	270	0.2	
161	2012/2/15 11:59:47.04	OSHIMA PEN REG HOKKAIDO	42 7.34	140 26.60	13 3.2	19	2	
162	2012/2/15 13:36:32.96	OSHIMA PEN REG HOKKAIDO	42 7.32	140 26.51	8 3.6	19	4	
163	2012/2/16 13:50:08.96	SW OFF HOKKAIDO	41 55.60	139 17.80	20 4.2	84	4	
164	2012/3/14 18:08:33.09	FAR SE OFF HOKKAIDO	40 46.52	145 13.65	64 6.9	433	1	
165	2012/3/14 19:49:23.16	FAR E OFF NORTH HONSHU	40 40.87	144 58.04	69 6.0	416	0.3	
166	2012/3/19 11:56:00.69	E OFF AOMORI PREF	41 30.13	142 2.20	63 5.0	153	0.3	
167	2012/3/23 13:46:16.39	SW OFF HOKKAIDO	42 8.80	139 10.24	18 3.8	96	1	
168	2012/3/27 20:00:42.44	E OFF IWATE PREF	39 48.38	142 20.03	21 6.6	296	1	
169	2012/4/12 23:50:50.42	E OFF FUKUSHIMA PREF	37 27.13	141 44.06	27 5.9	518	0.2	
170	2012/4/27 3:41:18.51	E OFF AOMORI PREF	41 28.75	141 58.82	65 5.0	150	0.3	
171	2012/4/30 0:02:18.49	E OFF IWATE PREF	39 44.53	142 15.30	23 5.6	298	0.2	
172	2012/5/20 16:20:33.75	FAR E OFF SANRIKU	39 32.23	143 37.27	7 6.5	399	0.2	
173	2012/5/24 0:02:26.59	E OFF AOMORI PREF	41 20.62	142 7.42	60 6.1	167	2	
174	2012/6/18 5:32:20.81	KINKAZAN REGION	38 52.48	142 5.46	47 6.2	377	0.3	
175	2012/7/22 13:41:58.34	HIDAKA MOUNTAINS REGION	42 29.36	143 1.54	61 5.1	231	0.1	
176	2012/8/7 18:13:43.63	OSHIMA PEN REG HOKKAIDO	41 58.09	140 8.43	2 2.3	14	1	
177	2012/8/14 11:59:36.27	SOUTHERN SEA OF OKHOTSK	49 11.00	145 52.90	654 7.3	910	0.2	

No.	地震発生時刻	震央地名	北緯(度分)	東経(度分)	震源深さ (km)	M	震央距離 (km)	最大加速度 (Gal)
178	2012/8/17 16:24:36.64	E OFF AOMORI PREF	41 11.79	142 2.39	58 4.9	169	0.4	
179	2012/8/25 23:16:17.44	HIDAKA MOUNTAINS REGION	42 19.67	143 6.64	49 6.1	235	1	
180	2012/10/2 7:21:42.63	FAR E OFF SANRIKU	39 49.97	143 31.23	22 6.3	361	0.5	
181	2012/12/7 17:18:30.81	FAR E OFF MIYAGI PREF	38 1.19	143 52.02	49 7.3	535	2	
182	2013/1/8 16:51:30.35	NE OFF IWATE PREF	40 7.18	142 26.35	34 5.4	274	0.2	
183	2013/2/2 23:17:35.86	TOKACHI REGION	42 42.12	143 13.65	102 6.5	253	1	
184	2013/4/2 3:53:15.74	FAR E OFF SANRIKU	39 30.32	143 31.10	29 6.2	386	0.2	
185	2013/4/11 12:05:55.59	E OFF AOMORI PREF	41 34.37	142 3.42	65 4.3	152	0.2	
186	2013/4/19 12:05:54.67	KURILE ISLANDS REGION	45 18.05	150 57.43	125 7.0	934	0.3	
187	2013/5/16 8:46:28.41	NE OFF IWATE PREF	40 20.58	141 55.52	12 5.0	227	0.1	
188	2013/5/18 14:47:59.71	E OFF FUKUSHIMA PREF	37 42.55	141 37.72	46 6.0	488	0.2	
189	2013/5/24 14:44:48.98	SEA OF OKHOTSK	54 53.52	153 13.26	598 8.3	1718	0.3	
190	2013/6/20 10:49:41.81	E OFF AOMORI PREF	40 44.33	142 32.69	29 4.9	233	0.2	
191	2013/8/4 12:28:50.83	E OFF MIYAGI PREF	38 9.76	141 48.51	58 6.0	443	0.2	
192	2013/10/24 13:04:18.88	SHIMOKITA PENINSULA REG	41 22.39	141 11.70	112 4.5	100	0.2	
193	2013/10/26 2:10:18.39	FAR E OFF NORTH HONSHU	37 11.78	144 34.12	56 7.1	645	0.5	
194	2013/11/15 11:00:34.48	E OFF AOMORI PREF	41 27.60	142 3.51	63 5.3	157	1	
195	2013/12/25 2:12:41.60	SW OFF HOKKAIDO	42 29.37	139 16.93	26 4.4	102	1	
196	2014/3/29 16:39:47.00	E OFF AOMORI PREF	40 54.96	143 15.65	26 4.8	274	0.2	
197	2014/6/9 7:50:59.12	E OFF AOMORI PREF	40 57.43	141 36.67	82 4.6	158	0.4	
198	2014/6/15 2:31:42.15	SOUTHERN IWATE PREF	39 23.77	141 6.46	94 5.5	295	0.2	
199	2014/7/5 7:42:04.63	E OFF IWATE PREF	39 40.55	142 8.16	49 5.9	299	0.3	
200	2014/7/8 18:05:24.29	IBURI REGION	42 38.99	141 16.02	3 5.6	108	1	
201	2014/7/12 4:22:00.44	E OFF FUKUSHIMA PREF	37 3.00	142 19.25	33 7.0	575	0.2	
202	2014/7/21 3:32:47.70	SE OFF TOROFU	44 36.12	148 50.87	30 6.4	751	0.2	
203	2014/7/25 13:18:15.58	E OFF AOMORI PREF	41 32.59	142 5.24	66 4.9	156	0.3	
204	2014/8/10 12:43:18.15	E OFF AOMORI PREF	41 8.04	142 16.74	51 6.1	190	1	
205	2014/8/27 13:48:58.76	E OFF AOMORI PREF	41 2.51	143 11.47	42 5.4	262	0.2	
206	2014/10/3 9:57:30.07	NE OFF IWATE PREF	40 9.92	142 37.68	28 5.7	281	0.3	
207	2014/10/11 11:35:46.45	E OFF AOMORI PREF	40 57.13	143 14.68	36 6.1	271	1	
208	2014/10/11 14:20:35.55	E OFF AOMORI PREF	40 55.28	143 17.44	34 5.6	276	0.3	
209	2014/10/14 6:24:59.76	E OFF AOMORI PREF	40 59.99	141 44.59	81 4.4	162	0.1	
210	2014/10/27 13:33:00.81	E OFF AOMORI PREF	40 45.92	142 3.57	92 4.3	200	0.2	
211	2014/11/3 11:28:06.95	ISHIKARI DEPRESSION	42 35.11	141 50.36	29 4.6	143	0.4	
212	2015/1/1 22:57:14.47	ISHIKARI DEPRESSION	42 35.09	141 50.24	30 4.5	143	0.2	
213	2015/2/17 8:06:34.68	FAR E OFF SANRIKU	39 52.34	143 11.56	13 6.9	338	1	
214	2015/2/17 13:46:39.36	NE OFF IWATE PREF	40 5.12	142 6.72	50 5.7	260	0.2	
215	2015/2/20 13:25:20.99	FAR E OFF SANRIKU	39 54.76	143 43.93	8 6.5	369	0.2	
216	2015/2/21 4:28:27.74	S OFF URAKAWA	41 58.68	142 42.97	57 5.1	200	0.2	
217	2015/3/6 8:06:00.88	HIDAKA REGION	42 24.28	142 37.34	57 4.9	197	0.2	
218	2015/3/25 9:34:28.72	HIDAKA MOUNTAINS REGION	42 21.16	143 5.77	50 5.0	234	0.2	
219	2015/4/30 10:09:49.64	NE OFF IWATE PREF	40 3.55	142 52.74	24 5.4	304	0.2	
220	2015/5/13 6:12:58.45	E OFF MIYAGI PREF	38 51.77	142 9.01	46 6.8	380	1	
221	2015/5/30 20:23:02.28	W OFF OGASAWARA	27 51.65	140 40.95	682 8.1	1567	0.3	
222	2015/6/8 15:01:11.78	E OFF AOMORI PREF	41 27.35	142 1.19	66 5.6	154	1	
223	2015/6/11 13:51:24.10	FAR E OFF SANRIKU	39 37.22	143 30.45	36 5.9	377	0.2	
224	2015/6/23 0:35:16.60	E OFF AOMORI PREF	41 29.07	142 5.24	63 4.6	158	0.2	
225	2015/7/10 3:32:51.27	NORTHERN IWATE PREF	40 21.24	141 33.59	88 5.7	209	1	
226	2015/7/23 18:43:21.09	S OFF URAKAWA	41 58.45	142 32.62	65 4.5	185	0.2	
227	2015/9/6 13:02:37.79	OSHIMA PEN REG HOKKAIDO	42 6.90	140 29.13	10 2.8	21	0.5	
228	2015/9/12 22:38:01.64	FAR E OFF URAKAWA	41 49.50	142 40.21	56 5.4	197	0.1	
229	2015/11/7 12:48:47.61	E OFF AOMORI PREF	41 34.08	142 4.06	65 5.2	153	0.4	
230	2016/1/11 15:26:41.13	EASTERN AOMORI PREF	40 23.28	141 15.88	10 4.6	195	0.2	
231	2016/1/12 2:08:01.96	NW OFF HOKKAIDO	44 25.84	141 16.63	265 6.2	281	0.4	
232	2016/1/14 12:25:33.31	S OFF URAKAWA	41 58.21	142 48.07	52 6.7	207	3	
233	2016/2/2 14:31:46.84	E OFF IWATE PREF	39 40.85	142 54.42	22 5.6	337	0.1	
234	2016/5/25 14:22:44.50	E OFF AOMORI PREF	41 1.51	142 24.61	34 4.8	205	0.2	
235	2016/6/16 14:21:28.20	UCHIURA BAY REGION	41 56.91	140 59.22	11 5.3	56	4	
2								

# 7. 北海道西部に位置するKiK-net観測点の観測記録一覧(HYMH02厚沢部)

No.	地震発生時刻	震央地名	北緯(度分)	東経(度分)	震源深さ (km)	M	震央距離 (km)	最大加速度 (Gal)
237	2016/6/30 3:12:43.23	FAR E OFF NORTH HONSHU	39 52.08	144 36.35	43	5.2	432	0.2
238	2016/7/13 3:53:34.17	SW OFF HOKKAIDO	42 19.42	139 14.98	22	4.1	95	2
239	2016/7/19 13:11:26.31	E OFF AOMORI PREF	41 29.62	142 2.97	66	4.5	155	0.4
240	2016/8/20 18:01:23.64	FAR E OFF SANRIKU	40 22.01	143 46.73	11	6.4	342	0.2
241	2016/8/21 11:03:35.40	FAR E OFF SANRIKU	40 24.33	143 29.96	11	5.5	320	0.2
242	2016/9/25 13:03:48.67	TSUGARU STRAIT REGION	41 33.20	140 36.47	13	3.7	54	1
243	2016/9/26 11:24:36.94	S OFF URAKAWA	41 49.95	142 12.37	72	4.8	158	0.2
244	2016/9/26 14:13:24.62	E OFF AOMORI PREF	41 39.10	142 59.60	29	5.4	226	1
245	2016/10/12 4:02:27.19	HIDAKA MOUNTAINS REGION	42 19.54	143 2.54	5.0	5.0	229	0.3
246	2016/11/22 5:59:46.89	E OFF FUKUSHIMA PREF	37 21.28	141 36.25	25	7.4	526	0.5
247	2017/3/8 1:08:19.02	E OFF AOMORI PREF	41 28.90	141 58.73	65	5.2	150	0.2
248	2017/4/30 23:42:35.92	HIDAKA MOUNTAINS REGION	42 19.38	143 4.26	53	5.4	231	0.2
249	2017/7/1 23:45:52.92	ISHIKARI DEPRESSION	42 47.26	141 51.54	27	5.1	156	1
250	2017/9/10 17:44:24.05	S OFF URAKAWA	41 45.55	142 52.67	43	5.6	215	0.4
251	2017/9/21 1:37:18.59	FAR E OFF NORTH HONSHU	38 2.16	144 29.32	53	6.3	565	0.3
252	2017/9/27 5:22:11.22	NE OFF IWATE PREF	40 16.00	142 27.32	35	6.1	263	0.3
253	2017/10/4 18:29:01.08	OSHIMA PEN REG HOKKAIDO	41 49.32	140 45.87	14	3.5	42	0.3
254	2017/10/18 8:48:52.73	S OFF URAKAWA	41 57.86	142 32.24	64	4.4	185	0.2
255	2017/11/6 13:34:58.36	SW OFF HOKKAIDO	41 50.86	139 24.96	20	3.8	76	1
256	2017/11/13 7:24:08.52	FAR E OFF NORTH HONSHU	38 0.37	144 48.35	56	6.0	585	0.1
257	2017/12/2 5:48:00.99	S OFF URAKAWA	42 2.22	142 30.33	67	4.9	182	0.3
258	2018/1/24 19:51:19.50	E OFF AOMORI PREF	41 0.58	142 26.88	34	6.3	209	1
259	2018/1/31 5:11:48.31	S OFF URAKAWA	42 1.12	142 35.44	62	4.7	189	0.2
260	2018/3/12 15:40:04.62	E OFF AOMORI PREF	41 8.99	142 37.16	36	4.9	214	0.1
261	2018/7/2 2:27:00.82	E OFF AOMORI PREF	41 29.61	142 3.82	64	4.9	156	0.4
262	2018/7/2 20:53:20.41	E OFF AOMORI PREF	41 11.75	142 42.05	39	5.0	218	0.3
263	2018/7/7 10:13:55:55.48	E OFF AOMORI PREF	41 32.92	142 4.47	68	4.9	155	0.3
264	2018/8/23 0:06:26.51	E OFF AOMORI PREF	41 18.99	142 39.04	35	4.9	209	0.1
265	2018/8/24 23:15:54.63	E OFF AOMORI PREF	41 5.64	142 37.51	32	5.1	217	0.2
266	2018/9/6 3:07:59.33	ISHIKARI DEPRESSION	42 41.45	142 0.40	37	6.7	160	12
267	2018/9/6 3:17:09.62	ISHIKARI DEPRESSION	42 38.43	141 57.61	29	4.7	154	0.4
268	2018/9/6 3:20:10.85	ISHIKARI DEPRESSION	42 34.70	141 56.50	31	5.5	150	1
269	2018/9/6 3:23:49.22	ISHIKARI DEPRESSION	42 48.52	141 58.62	34	4.8	165	0.3
270	2018/9/6 3:32:52.25	ISHIKARI DEPRESSION	42 43.52	141 59.95	35	4.6	162	0.2
271	2018/9/6 4:10:47.79	ISHIKARI DEPRESSION	42 41.55	141 59.31	31	4.7	159	0.3
272	2018/9/6 6:11:29.95	ISHIKARI DEPRESSION	42 40.97	142 0.71	36	5.4	160	1
273	2018/9/6 14:03:58.39	ISHIKARI DEPRESSION	42 36.27	141 56.49	31	4.3	151	0.3
274	2018/9/6 16:53:24.54	ISHIKARI DEPRESSION	42 42.50	141 58.45	33	4.4	159	0.2
275	2018/9/7 13:25:24.27	ISHIKARI DEPRESSION	42 42.72	141 58.27	33	4.5	159	0.3
276	2018/9/7 22:43:45.93	ISHIKARI DEPRESSION	42 44.96	142 1.57	35	4.4	165	0.2
277	2018/9/9 22:55:13.75	ISHIKARI DEPRESSION	42 46.87	141 59.02	35	4.9	164	1
278	2018/9/11 4:58:46.02	ISHIKARI DEPRESSION	42 42.79	142 0.30	31	4.5	161	1
279	2018/9/11 19:07:33.20	ISHIKARI DEPRESSION	42 49.25	141 59.78	34	4.2	167	0.1
280	2018/9/11 22:25:58.66	E OFF AOMORI PREF	41 14.88	142 22.51	47	5.0	191	0.2
281	2018/9/13 1:34:00.15	ISHIKARI DEPRESSION	42 36.72	141 56.97	31	4.2	152	0.2
282	2018/9/14 6:54:22.36	ISHIKARI DEPRESSION	42 40.64	141 57.14	26	4.6	156	1
283	2018/9/17 2:51:31.63	ISHIKARI DEPRESSION	42 43.08	141 51.77	28	4.6	152	1
284	2018/9/24 18:17:05.80	ISHIKARI DEPRESSION	42 38.15	141 59.87	41	4.3	157	0.2
285	2018/9/29 18:25:54.33	ISHIKARI DEPRESSION	42 46.24	142 0.04	35	4.2	164	0.2
286	2018/9/30 17:54:04.49	ISHIKARI DEPRESSION	42 32.99	141 59.38	37	4.9	152	0.5
287	2018/10/1 11:22:03.35	ISHIKARI DEPRESSION	42 47.64	142 0.60	35	4.7	166	0.3
288	2018/10/5 8:58:49.15	ISHIKARI DEPRESSION	42 35.56	141 57.90	31	5.2	152	0.5
289	2018/10/8 21:53:58.77	ISHIKARI DEPRESSION	42 37.67	141 57.79	32	4.3	154	0.2
290	2018/10/9 2:45:15.97	ISHIKARI DEPRESSION	42 37.53	141 57.52	32	4.3	153	0.3
291	2018/10/12 9:14:27.90	ISHIKARI DEPRESSION	42 35.55	141 56.82	23	4.6	151	0.2
292	2018/11/14 19:07:30.10	ISHIKARI DEPRESSION	42 41.88	141 57.92	32	4.7	158	0.4
293	2018/11/28 11:23:24.53	E OFF AOMORI PREF	41 20.21	143 13.36	11	5.7	253	0.4
294	2018/12/3 17:15:17.40	SHIMOKITA PENINSULA REG	40 51.99	141 25.08	87	4.6	155	1
295	2018/12/30 4:08:30.99	HIDAKA MOUNTAINS REGION	42 19.68	143 6.82	51	5.3	235	0.3

No.	地震発生時刻	震央地名	北緯(度分)	東経(度分)	震源深さ (km)	M	震央距離 (km)	最大加速度 (Gal)
296	2019/1/19 5:04:01.12	E OFF AOMORI PREF	40 44.34	142 33.87	29	4.9	234	0.2
297	2019/1/26 17:23:01.61	NE OFF IWATE PREF	40 16.84	142 19.65	38	5.6	254	0.3
298	2019/2/21 21:22:40.49	ISHIKARI DEPRESSION	42 45.97	142 0.20	33	5.8	164	2
299	2019/4/11 17:18:18.14	FAR E OFF SANRIKU	40 21.75	143 24.29	5	6.2	316	1
300	2019/4/23 2:45:17.78	FAR E OFF SANRIKU	40 32.98	143 50.81	57	5.6	337	0.1
301	2019/4/28 2:24:47.15	HIDAKA MOUNTAINS REGION	42 33.61	142 52.77	102	5.6	221	0.2
302	2019/6/18 22:22:19.98	W OFF YAMAGATA PREF	38 36.48	139 28.76	14	6.7	382	0.3
303	2019/7/1 9:37:34.99	E OFF AOMORI PREF	41 8.91	142 16.96	51	5.2	189	0.1
304	2019/8/4 19:23:03.59	E OFF FUKUSHIMA PREF	37 42.43	141 37.97	45	6.4	488	0.2
305	2019/8/15 14:32:52.98	SHIMOKITA PENINSULA REG	40 47.52	141 20.36	93	5.5	158	1
306	2019/8/15 15:06:08.69	SHIMOKITA PENINSULA REG	40 47.50	141 19.49	91	4.5	157	1
307	2019/8/29 8:46:39.35	E OFF AOMORI PREF	40 58.84	143 1.68	21	6.1	253	1
308	2019/9/7 18:35:50.87	E OFF AOMORI PREF	41 34.33	142 4.20	64	5.0	153	0.4
309	2019/12/16 6:52:01.42	ISHIKARI DEPRESSION	42 45.63	141 53.76	31	4.4	157	0.2
310	2019/12/19 15:21:33.41	E OFF AOMORI PREF	40 30.79	142 10.71	50	5.5	226	0.4
311	2019/12/22 14:24:51.06	OSHIMA PEN REG HOKKAIDO	42 3.94	140 26.23	10	4.2	14	4
312	2020/2/13 19:33:45.11	SE OFF ETORFU	45 3.38	149 9.72	155	7.2	792	0.3
313	2020/3/28 9:57:51.76	S OFF URAKAWA	41 55.31	142 21.22	70	5.0	170	0.3
314	2020/4/12 22:11:49.96	E OFF AOMORI PREF	41 43.64	141 58.69	44	4.3	142	0.2
315	2020/4/20 5:39:05.21	KINKAZAN REGION	38 53.29	142 5.93	46	6.2	376	0.4
316	2020/4/24 4:52:26.61	E OFF AOMORI PREF	41 28.89	141 59.58	65	5.2	151	0.3
317	2020/4/30 12:15:20.92	E OFF AOMORI PREF	40 50.45	142 49.44	34	5.3	246	0.2
318	2020/5/17 12:29:54.34	UCHIURA BAY REGION	42 13.75	140 35.27	17	3.6	36	1
319	2020/9/11 5:22:16.61	OSHIMA PEN REG HOKKAIDO	41 43.46	140 16.01	12	3.2	29	1
320	2020/9/12 11:44:09.69	E OFF MIYAGI PREF	38 43.37	142 16.26	43	6.2	399	0.2
321	2020/11/6 17:56:39.53	E OFF AOMORI PREF	40 55.99	143 14.83	17	5.7	272	1
322	2020/11/7 2:16:56.96	E OFF AOMORI PREF	40 57.46	143 14.35	18	5.3	270	0.2
323	2020/12/1 7:54:33.05	SOUTH SAKHALIN	48 5.86	141 10.84	619	6.7	683	1
324	2020/12/12 16:18:54.32	NE OFF IWATE PREF	40 5.67	142 6.52	48	5.6	259	0.3
325	2020/12/21 2:23:21.57	E OFF AOMORI PREF	40 46.91	142 41.51	43	6.5	240	2
326	2021/1/12 11:39:42.08	NW OFF SHAKOTAN PEN	43 38.27	139 59.16	235	6.0	185	0.3
327	2021/1/27 14:06:52.87	ISHIKARI DEPRESSION	42 42.61	142 1.24	128	5.4	162	0.3
328	2021/2/13 23:07:50.51	E OFF FUKUSHIMA PREF	37 43.73	141 41.91	55	7.3	487	1
329	2021/2/20 1:16:27.58	E OFF AOMORI PREF	40 42.30	142 49.46	34	5.0	254	0.1
330	2021/2/26 20:31:35.34	E OFF AOMORI PREF	41 3.65	142 5.28	65	4.5	181	0.3
331	2021/3/5 15:14:06.32	S OFF URAKAWA	41 59.23	142 32.23	65	4.4	185	0.2
332	2021/3/20 18:09:44.83	KINKAZAN REGION	38 28.08	141 37.66	59	6.9	406	1
333	2021/4/16 5:47:51.98	UCHIURA BAY REGION	42 18.30	140 33.49	18	4.1	41	2
334	2021/5/1 10:27:26.90	E OFF MIYAGI PREF	38 10.44	141 44.40	51	6.8	440	1
335	2021/5/14 8:58:14.20	E OFF FUKUSHIMA PREF	37 41.96	141 45.77	46	6.3	492	0.3
336	2021/5/16 12:23:54.11	SE OFF TOKACHI	42 6.04	144 28.49	8	6.1	345	0.2
337	2021/6/20 20:08:24.43	TAISETSU MOUNTAINS REG	43 28.67	142 41.09	158	5.4	256	0.2
338	2021/7/26 11:16:16.21	E OFF AOMORI PREF	41 28.74	142 8.23	52	5.2	162	1
339	2021/10/6 2:46:02.33	NE OFF IWATE PREF	40 0.43	142 15.29	56	5.9	274	1
340	2021/10/9 11:47:33.31	S OFF TOMAKOMAI	42 22.82	141 56.34	97	4.5	142	0.1
341	2021/10/18 0:49:30.35	E OFF AOMORI PREF	40 56.53	142 13.07	61	4.6	197	0.2
342	2021/10/19 21:36:39.55	E OFF AOMORI PREF	41 32.53	142 54.36	38	5.4	222	0.2
343	2021/12/6 23:33:21.40	E OFF AOMORI PREF	41 29.58	142 3.57	55	4.3	156	0.1
344	2021/12/21 1:05:26.14	HIDAKA REGION	42 23.13	142 39.45	39	4.8	199	0.3

## 7. 北海道西部に位置するKiK-net観測点の観測記録一覧(HYMH03熊石)

No.	地震発生時刻	震央地名	北緯(度分)	東経(度分)	震源深さ (km)	M	震央距離 (km)	最大加速度 (Gal)
1	2001/4/3 4:54:19.16	E OFF AOMORI PREF	40 36.78	141 55.27	63	5.6	233	0.2
2	2001/8/14 5:11:24.94	E OFF AOMORI PREF	40 59.73	142 26.19	38	6.4	239	1
3	2001/10/17 0:49:15.48	NW OFF SHAKOTAN PEN	43 3.63	139 11.58	32	4.7	123	0.5
4	2001/12/2 22:01:55.25	SOUTHERN IWATE PREF	39 23.90	141 15.79	122	6.4	322	1
5	2002/4/4 8:42:14.83	E OFF AOMORI PREF	41 28.42	142 0.53	59	5.4	182	0.3
6	2002/4/21 6:30:32.11	E OFF AOMORI PREF	41 34.09	142 5.57	65	4.8	185	0.4
7	2002/6/29 2:19:33.01	NEAR VLADIVOSTOK	43 30.23	131 23.54	589	7.0	720	0.5
8	2002/10/14 23:12:43.45	E OFF AOMORI PREF	41 9.11	142 16.85	53	6.1	219	0.4
9	2002/11/17 13:53:56.11	SOUTHERN SEA OF OKHOTSK	47 7.66	146 49.64	496	7.0	775	0.4
10	2003/2/19 14:01:41.24	RUMOI REGION	44 7.14	141 50.83	222	5.9	267	0.4
11	2003/5/26 18:24:33.42	NORTHERN MIYAGI PREF	38 49.26	141 39.04	72	7.1	394	1
12	2003/6/12 4:45:59.37	SW OFF HOKKAIDO	41 35.09	139 26.05	21	4.5	77	1
13	2003/7/27 15:25:34.26	SOUTHERN SIBERIA	46 49.17	139 8.86	487	7.1	525	0.5
14	2003/9/26 4:50:07.42	SE OFF TOKACHI	41 46.71	144 4.71	45	8.0	340	4
15	2003/9/26 6:08:01.84	SE OFF ERIMOMISAKI	41 42.59	143 41.49	21	7.1	309	2
16	2003/11/24 21:18:17.69	HIDAKA MOUNTAINS REGION	42 19.02	143 0.15	52	5.3	248	0.3
17	2004/8/10 15:13:30.98	E OFF IWATE PREF	39 40.44	142 7.93	48	5.8	327	0.3
18	2004/8/10 22:49:23.01	SW OFF HOKKAIDO	41 43.04	139 20.99	23	4.5	71	1
19	2004/9/4 11:18:38.14	SHIMOKITA PENINSULA REG	41 15.69	140 48.98	14	3.8	118	1
20	2004/9/8 20:59:32.20	SHIMOKITA PENINSULA REG	41 15.67	140 48.99	12	3.7	118	0.4
21	2004/11/29 3:32:14.53	OFF NEMURO PENINSULA	42 56.76	145 16.53	48	7.1	442	1
22	2004/12/6 23:15:11.81	OFF NEMURO PENINSULA	42 50.86	145 20.57	46	6.9	446	1
23	2005/1/18 23:09:06.65	OFF NEMURO PENINSULA	42 52.54	145 0.44	50	6.4	419	0.2
24	2005/8/16 11:46:25.74	E OFF MIYAGI PREF	38 8.97	142 16.67	42	7.2	483	1
25	2005/10/18 1:13:40.69	W OFF AOMORI PREF	40 44.93	139 9.32	12	5.4	169	0.4
26	2005/10/20 10:24:29.42	SW OFF HOKKAIDO	41 59.13	139 50.95	13	3.8	21	3
27	2005/11/15 6:38:51.38	FAR E OFF NORTH HONSHU	38 1.63	144 56.68	45	7.2	621	0.4
28	2005/11/26 15:44:28.96	SW OFF HOKKAIDO	41 53.84	139 12.47	18	4.2	71	1
29	2005/12/13 6:01:37.58	NW OFF SHAKOTAN PEN	43 12.51	139 24.84	29	5.5	129	1
30	2007/1/13 13:23:13.05	FAR FIELD	46 56.27	155 3.13	30	8.2	1307	0.4
31	2007/3/16 9:18:17.70	SW OFF HOKKAIDO	41 59.15	139 51.06	13	3.4	21	1
32	2007/4/19 0:07:31.07	ISHIKARI DEPRESSION	42 40.24	141 56.80	126	5.6	171	0.4
33	2007/5/19 0:59:57.54	E OFF AOMORI PREF	41 33.77	142 3.17	68	5.3	182	0.4
34	2007/6/26 21:08:02.46	W OFF AOMORI PREF	41 15.51	139 2.36	29	4.4	126	0.2
35	2007/7/10 13:15:25.71	SW OFF HOKKAIDO	41 51.53	139 29.08	15	4.5	53	2
36	2007/8/22 16:26:23.42	OSHIMA PEN REG HOKKAIDO	41 58.43	140 48.07	122	5.4	68	1
37	2008/1/13 2:11:04.40	OSHIMA PEN REG HOKKAIDO	42 26.19	140 15.47	11	4.1	40	2
38	2008/4/29 14:26:05.32	E OFF AOMORI PREF	41 27.78	142 6.50	62	5.7	190	0.5
39	2008/5/8 1:45:18.77	FAR E OFF IBARAKI PREF	36 13.69	141 36.46	51	7.0	670	0.2
40	2008/6/5 2:03:06.08	SW OFF HOKKAIDO	41 31.59	139 13.28	201	5.7	94	0.2
41	2008/6/14 8:43:45.36	SOUTHERN IWATE PREF	39 1.79	140 52.84	8	7.2	353	1
42	2008/6/14 8:46:34.94	SOUTHERN IWATE PREF	39 6.32	140 52.02	12	4.5	344	0.1
43	2008/7/19 11:39:28.69	E OFF FUKUSHIMA PREF	37 31.25	142 15.87	32	6.9	548	0.2
44	2008/7/24 0:26:19.69	NORTHERN IWATE PREF	39 43.92	141 38.12	108	6.8	300	1
45	2008/9/1 14:41:16.54	ISHIKARI DEPRESSION	42 35.40	141 43.65	133	4.5	151	0
46	2008/9/11 9:20:51.35	SE OFF TOKACHI	41 46.53	144 9.09	31	7.1	346	1
47	2008/9/18 18:29:58.68	NE OFF HOKKAIDO	45 56.51	143 38.21	348	5.4	513	0.2
48	2008/9/22 16:31:58.54	TSUGARU STRAIT REGION	41 32.28	140 33.93	152	5.6	81	0.2
49	2008/11/28 13:59:03.39	SW OFF HOKKAIDO	42 9.54	139 8.91	19	3.9	71	0.3
50	2009/1/16 2:49:37.18	FAR FIELD	46 59.74	155 10.08	30	7.4	1317	0.2
51	2009/2/4 2:01:57.69	SW OFF HOKKAIDO	41 32.83	139 57.38	10	3.9	65	0.5
52	2009/2/4 7:14:37.42	SW OFF HOKKAIDO	41 32.87	139 57.24	10	3.6	65	0.3
53	2009/2/15 18:24:32.25	NE OFF IWATE PREF	40 15.01	142 25.41	36	5.9	291	0.1
54	2009/2/28 9:35:55.09	HIDAKA REGION	42 35.04	142 11.30	113	5.3	187	0.2
55	2009/4/21 5:16:48.09	TSUGARU STRAIT REGION	41 40.32	140 30.32	15	3.1	66	0.4
56	2009/5/20 4:42:36.40	SW OFF HOKKAIDO	42 5.81	139 19.32	11	3.8	57	0.5
57	2009/6/5 12:30:33.80	SE OFF ERIMOMISAKI	41 48.74	143 37.22	31	6.4	302	0.3
58	2009/7/11 0:01:37.01	S OFF TOMAKOMAI	42 29.28	141 22.67	134	4.7	120	0.1
59	2009/7/28 20:52:50.96	OSHIMA PEN REG HOKKAIDO	41 25.06	140 6.53	8	4.0	80	0.3

No.	地震発生時刻	震央地名	北緯(度分)	東経(度分)	震源深さ (km)	M	震央距離 (km)	最大加速度 (Gal)
60	2009/8/9 19:55:52.13	FAR S OFF TOKAI DISTRICT	33 7.68	138 24.24	333	6.8	1009	0.1
61	2009/8/24 14:26:16.69	TSUGARU PENINSULA REGION	41 3.66	140 14.63	172	5.4	121	1
62	2009/10/5 9:35:12.73	S OFF TOMAKOMAI	42 27.24	141 33.52	20	4.7	133	0.4
63	2009/10/10 17:42:48.49	E OFF AOMORI PREF	41 43.20	142 13.52	92	5.1	190	0.1
64	2010/3/14 10:59:19.08	S OFF TOMAKOMAI	41 58.69	141 19.45	94	4.3	111	0.2
65	2010/3/30 10:02:51.11	EASTERN SEA OF JAPAN	43 11.50	138 34.70	25	5.8	166	0.5
66	2010/6/28 6:03:25.38	E OFF AOMORI PREF	41 37.56	141 49.99	57	5.1	162	0.3
67	2010/9/13 14:47:48.01	E OFF AOMORI PREF	41 27.36	142 7.31	63	5.8	191	0.4
68	2010/10/11 23:10:32.67	SHIMOKITA PENINSULA REG	41 5.99	141 17.95	88	4.2	158	0
69	2011/3/11 15:08:53.46	E OFF IWATE PREF	39 49.24	142 46.01	32	7.4	347	1
70	2011/3/11 15:25:44.33	FAR E OFF NORTH HONSHU	37 54.86	144 45.06	11	7.5	619	1
71	2011/3/12 4:46:46.19	W OFF AKITA PREF	40 23.65	139 5.34	4	6.4	208	1
72	2011/4/7 23:32:43.46	E OFF MIYAGI PREF	38 12.25	141 55.21	66	7.2	466	1
73	2011/4/29 9:00:01.53	SW OFF HOKKAIDO	42 6.72	139 11.98	18	3.9	67	1
74	2011/6/23 6:50:50.73	E OFF IWATE PREF	39 56.87	142 35.45	36	6.9	326	1
75	2011/8/31 19:59:33.46	SW OFF HOKKAIDO	42 21.48	139 14.87	24	3.6	67	1
76	2012/2/15 11:59:47.04	OSHIMA PEN REG HOKKAIDO	42 7.14	140 26.60	13	3.2	36	1
77	2012/2/15 13:36:32.96	OSHIMA PEN REG HOKKAIDO	42 7.32	140 26.51	8	3.6	36	1
78	2012/2/16 13:50:08.96	SW OFF HOKKAIDO	41 55.60	139 17.90	20	4.2	63	3
79	2012/3/23 13:46:16.39	SW OFF HOKKAIDO	42 8.80	139 10.24	18	3.8	69	0.4
80	2012/5/24 0:02:26.59	E OFF AOMORI PREF	41 20.62	142 7.42	60	6.1	197	1

# 7. 北海道西部に位置するKiK-net観測点の観測記録一覧(OSMH01知内)

No.	地震発生時刻	震央地名	北緯(度分)	東経(度分)	震源深さ (km)	M	震央距離 (km)	最大加速度 (Gal)
1	2000/12/22 19:13:02.71	NEAR ETOROFU ISLAND	44 28.12	147 24.56	141 6.1	652	652	0.4
2	2001/4/3 4:54:19.16	E OFF AOMORI PREF	40 36.78	141 55.27	63 5.6	167	1	1
3	2001/4/27 2:48:58.16	OFF NEMURO PENINSULA	43 1.67	145 52.52	80 5.9	477	0.4	0.4
4	2001/5/25 8:39:32.92	E OFF AOMORI PREF	40 34.54	142 32.07	29 4.6	211	0.3	0.3
5	2001/5/25 9:40:52.89	SE OFF ETOROFU	44 18.97	148 48.80	30 6.9	748	0.4	0.4
6	2001/8/14 5:11:24.94	E OFF AOMORI PREF	40 59.73	142 26.19	38 6.4	182	2	2
7	2001/8/24 18:48:01.73	E OFF AOMORI PREF	41 1.06	142 22.89	41 5.3	176	1	1
8	2001/10/4 2:25:13.33	KURILE ISLANDS REGION	46 17.03	149 7.68	324 5.9	871	0.3	0.3
9	2001/10/17 0:49:15.48	NW OFF SHAKOTAN PEN	43 3.63	139 11.58	32 4.7	191	0.3	0.3
10	2001/11/21 19:25:39.56	S OFF URAKAWA	42 0.66	142 35.41	60 4.6	186	1	1
11	2001/12/2 22:01:55.25	SOUTHERN IWATE PREF	39 23.90	141 15.79	122 6.4	254	2	2
12	2002/2/14 10:12:21.55	E OFF AOMORI PREF	41 27.98	142 3.75	64 5.1	138	1	1
13	2002/4/4 8:42:14.83	E OFF AOMORI PREF	41 28.42	142 0.53	59 5.4	133	1	1
14	2002/4/21 6:30:32.11	E OFF AOMORI PREF	41 34.09	142 5.57	65 4.8	139	1	1
15	2002/5/30 14:07:45.14	E OFF AOMORI PREF	41 30.13	142 2.80	62 4.8	136	0.4	0.4
16	2002/6/29 2:19:33.01	NEAR VLADIVOSTOK	43 30.23	131 23.54	589 7.0	771	1	1
17	2002/7/10 23:48:43.89	NW OFF AOMORI PREF	41 41.40	142 15.19	55 4.8	153	0.4	0.4
18	2002/7/25 21:31:01.45	E OFF HOKKAIDO	43 33.31	147 27.35	12 5.8	617	0.2	0.2
19	2002/7/28 20:31:29.87	HIDAKA MOUNTAINS REGION	42 19.11	143 4.10	52 5.0	234	0.2	0.2
20	2002/8/12 6:55:29.62	E OFF AOMORI PREF	41 5.18	142 38.00	26 5.1	194	0.2	0.2
21	2002/10/14 23:12:43.45	E OFF AOMORI PREF	41 9.11	142 16.85	53 6.1	163	2	2
22	2002/10/19 5:26:49.07	S OFF URAKAWA	42 7.49	142 13.64	80 4.6	161	0.3	0.3
23	2002/11/3 12:37:43.62	KINKAZAN REGION	38 53.79	142 8.32	46 6.3	334	0.4	0.4
24	2002/11/17 13:53:56.11	SOUTHERN SEA OF OKHOTSK	47 7.66	148 49.64	496 7.0	798	1	1
25	2002/12/1 18:57:01.47	SE OFF TOKACHI	42 39.75	143 57.94	103 5.5	316	0.3	0.3
26	2003/1/28 20:09:45.13	E OFF AOMORI PREF	41 19.94	142 4.33	25 4.6	141	0.2	0.2
27	2003/2/19 14:01:41.24	RUMOI REGION	44 7.14	141 50.83	222 5.9	303	1	1
28	2003/2/24 2:00:08.85	S OFF URAKAWA	41 56.16	142 26.45	65 4.7	172	0.5	0.5
29	2003/3/3 7:46:47.67	E OFF FUKUSHIMA PREF	37 41.26	141 47.01	41 5.9	450	0.4	0.4
30	2003/4/17 2:59:53.69	E OFF AOMORI PREF	40 57.64	142 20.51	40 5.6	176	0.1	0.1
31	2003/5/16 18:01:05.22	TSUGARU STRAIT REGION	41 20.39	140 4.04	8 4.5	41	1	1
32	2003/5/26 18:24:33.42	NORTHERN MIYAGI PREF	38 49.26	141 39.04	72 7.1	326	3	3
33	2003/6/12 4:45:59.37	SW OFF HOKKAIDO	41 35.09	139 26.05	21 4.5	82	2	2
34	2003/7/20 2:25:17.55	TSUGARU STRAIT REGION	41 27.66	140 17.15	9 4.1	19	6	6
35	2003/7/26 7:13:31.52	NORTHERN MIYAGI PREF	38 24.30	141 10.26	12 6.4	360	0.4	0.4
36	2003/7/27 15:25:34.26	SOUTHERN SIBERIA	46 49.17	139 8.86	487 7.1	589	1	1
37	2003/8/30 19:06:41.45	S OFF URAKAWA	41 48.94	142 40.26	55 5.4	189	0.5	0.5
38	2003/9/26 4:50:07.42	SE OFF TOKACHI	41 46.71	144 4.71	45 8.0	305	10	10
39	2003/9/26 5:10:04.53	SE OFF ERIMOMISAKI	41 45.90	143 47.35	29 5.8	281	0.3	0.3
40	2003/9/26 6:08:01.84	SE OFF ERIMOMISAKI	41 42.59	143 41.49	21 7.1	273	12	12
41	2003/9/26 11:35:13.33	SE OFF TOKACHI	41 58.16	144 33.56	39 5.8	346	0.2	0.2
42	2003/9/26 15:26:58.10	SE OFF TOKACHI	42 11.33	144 46.58	27 6.1	367	0.2	0.2
43	2003/9/27 5:38:22.31	SE OFF TOKACHI	42 1.55	144 43.68	34 6.0	361	0.3	0.3
44	2003/9/28 7:23:24.53	HIDAKA REGION	42 11.46	142 58.14	51 5.2	221	0.4	0.4
45	2003/9/29 11:36:55.06	SE OFF TOKACHI	42 21.58	144 33.18	43 6.5	353	1	1
46	2003/9/29 23:22:15.84	SE OFF TOKACHI	42 4.99	144 28.86	39 5.7	341	0.2	0.2
47	2003/10/7 1:27:54.53	S OFF URAKAWA	41 58.19	142 32.34	64 4.5	181	0.4	0.4
48	2003/10/8 18:06:56.79	SE OFF TOKACHI	42 33.92	144 40.19	51 6.4	368	0.4	0.4
49	2003/10/11 9:08:48.15	SE OFF TOKACHI	41 51.83	144 26.39	28 6.1	336	0.3	0.3
50	2003/10/12 3:26:19.70	SE OFF TOKACHI	41 45.60	143 49.27	48 5.5	284	0.2	0.2
51	2003/10/31 10:06:30.67	SE OFF MIYAGI PREF	37 49.93	142 41.76	33 6.8	461	1	1
52	2003/11/14 7:39:20.46	S OFF URAKAWA	41 50.20	142 11.87	70 4.8	150	1	1
53	2003/11/24 21:18:17.69	HIDAKA MOUNTAINS REGION	42 19.02	143 0.15	52 5.3	228	0.4	0.4
54	2003/12/17 20:52:14.03	OSHIMA PEN REG HOKKAIDO	41 55.88	140 45.32	12 3.6	46	1	1
55	2003/12/22 17:47:07.87	SE OFF TOKACHI	42 20.00	144 41.54	34 5.7	363	0.3	0.3
56	2004/2/4 15:08:26.56	NORTHERN IWATE PREF	40 8.62	141 53.73	63 5.3	204	0.3	0.3
57	2004/4/23 7:16:35.48	E OFF AOMORI PREF	40 44.45	142 29.06	66 4.9	198	0.4	0.4
58	2004/6/11 3:12:10.10	HIDAKA MOUNTAINS REGION	42 19.30	143 7.85	48 5.2	239	0.3	0.3
59	2004/7/4 21:31:13.98	S OFF URAKAWA	42 2.99	142 29.08	62 4.9	179	1	1

No.	地震発生時刻	震央地名	北緯(度分)	東経(度分)	震源深さ (km)	M	震央距離 (km)	最大加速度 (Gal)
60	2004/7/21 9:11:27.33	E OFF AOMORI PREF	40 51.54	143 23.68	37 5.5	262	0.3	0.3
61	2004/7/21 9:38:19.64	E OFF AOMORI PREF	40 52.04	143 17.65	30 5.4	254	0.5	0.5
62	2004/8/10 15:13:30.98	E OFF IWATE PREF	39 40.44	142 7.93	48 5.8	258	0.5	0.5
63	2004/8/10 22:49:23.01	SW OFF HOKKAIDO	41 43.04	139 20.99	23 4.5	90	7	7
64	2004/9/4 11:18:38.14	SHIMOKITA PENINSULA REG	41 15.69	140 48.98	14 3.8	50	1	1
65	2004/9/8 20:59:32.20	SHIMOKITA PENINSULA REG	41 15.67	140 48.99	12 3.7	50	1	1
66	2004/9/10 13:22:11.33	HIDAKA MOUNTAINS REGION	42 21.39	143 6.14	51 5.1	238	0.3	0.3
67	2004/9/22 20:03:52.19	E OFF AOMORI PREF	41 22.64	141 33.78	109 4.8	98	1	1
68	2004/11/11 19:02:46.17	SE OFF TOKACHI	42 4.82	144 29.13	39 6.3	342	0.4	0.4
69	2004/11/27 7:42:37.55	HIDAKA MOUNTAINS REGION	42 19.55	143 4.81	51 5.6	235	0.4	0.4
70	2004/11/29 3:32:14.53	OFF NEMURO PENINSULA	42 56.76	145 16.53	48 7.1	428	3	3
71	2004/12/6 4:45:30.82	E OFF AOMORI PREF	41 29.47	142 3.41	65 4.6	137	0.3	0.3
72	2004/12/6 23:15:11.81	OFF NEMURO PENINSULA	42 50.86	145 20.57	46 6.9	429	2	2
73	2004/12/19 6:32:23.95	HIDAKA REGION	42 11.93	142 58.30	50 4.5	222	0.2	0.2
74	2005/1/6 22:00:38.97	E OFF AOMORI PREF	41 27.44	142 6.24	61 5.3	141	1	1
75	2005/1/18 23:09:06.65	OFF NEMURO PENINSULA	42 52.54	145 0.44	50 6.4	404	1	1
76	2005/1/31 18:39:48.38	SE OFF TOKACHI	41 45.84	143 49.09	48 5.4	283	0.2	0.2
77	2005/2/26 21:37:38.45	E OFF AOMORI PREF	40 41.12	142 35.77	45 5.7	209	1	1
78	2005/6/3 1:32:09.88	E OFF AOMORI PREF	41 29.59	142 0.20	63 4.3	133	0.3	0.3
79	2005/8/16 11:46:25.74	E OFF MIYAGI PREF	38 8.97	142 16.67	42 7.2	414	3	3
80	2005/8/24 19:15:29.62	FAR E OFF MIYAGI PREF	38 26.67	143 5.10	14 6.3	417	0.3	0.3
81	2005/9/3 1:24:43.15	E OFF AOMORI PREF	41 28.87	141 58.58	64 4.9	130	0.3	0.3
82	2005/9/21 11:25:08.67	NEAR KUNASHIRI ISLAND	43 42.58	146 23.88	103 6.0	543	0.2	0.2
83	2005/10/18 1:13:40.69	W OFF AOMORI PREF	40 44.93	139 9.32	12 5.4	142	2	2
84	2005/10/20 10:24:29.42	SW OFF HOKKAIDO	41 59.13	139 50.95	13 3.8	64	1	1
85	2005/11/15 6:38:51.38	FAR E OFF NORTH HONSHU	38 1.63	144 56.68	45 7.2	554	1	1
86	2005/11/26 15:44:28.96	SW OFF HOKKAIDO	41 53.84	139 12.47	18 4.2	106	1	1
87	2005/12/2 22:13:07.90	E OFF MIYAGI PREF	38 4.36	142 21.21	40 6.6	425	1	1
88	2005/12/13 6:01:37.58	NW OFF SHAKOTAN PEN	43 12.51	139 24.84	29 5.5	197	0.3	0.3
89	2006/2/24 17:51:51.34	TSUGARU STRAIT REGION	41 33.07	140 42.27	16 3.6	24	1	1
90	2006/4/9 9:37:10.94	E OFF AOMORI PREF	41 35.92	142 50.32	51 4.6	202	0.3	0.3
91	2006/4/13 13:27:22.93	S OFF URAKAWA	41 45.36	142 53.63	43 5.3	207	0.2	0.2
92	2006/4/26 23:10:36.97	S OFF URAKAWA	42 1.97	142 35.60	61 4.6	187	0.4	0.4
93	2006/6/12 8:04:19.53	E OFF AOMORI PREF	41 29.93	142 2.18	72 4.4	135	0.5	0.5
94	2006/7/6 2:08:39.75	NE OFF IWATE PREF	40 9.02	142 25.85	36 5.4	234	0.3	0.3
95	2006/12/9 23:48:51.98	SOUTHERN SEA OF OKHOTSK	46 53.18	147 29.55	438 5.9	814	0.2	0.2
96	2007/1/10 20:02:48.19	W OFF AOMORI PREF	40 44.76	139 7.95	21 4.2	144	0.3	0.3
97	2007/1/13 13:23:13.05	FAR FIELD	46 56.27	155 3.13	30 8.2	1307	1	1
98	2007/2/17 9:02:56.63	SE OFF ERIMOMISAKI	41 43.91	143 43.36	40 6.2	275	1	1
99	2007/3/9 12:22:42.90	NEAR VLADIVOSTOK	43 0.87	134 17.39	501 6.2	529	0.3	0.3
100	2007/3/15 14:43:11.45	S OFF TOMAKOMAI	41 56.51	141 23.31	123 4.5	89	0.2	0.2
101	2007/3/25 9:41:57.91	OFF NOTO PENINSULA	37 13.24	136 41.16	11 6.9	583	0.5	0.5
102	2007/4/19 00:31:07.91	ISHIKARI DEPRESSION	42 40.24	141 56.80	126 5.6	174	0.5	0.5
103	2007/4/27 1:37:57.20	SE OFF TOKACHI	42 22.43	143 36.36	58 5.2	278	0.3	0.3
104	2007/5/7 23:09:37.48	S OFF URAKAWA	41 53.36	142 29.77	64 4.3	176	0.4	0.4
105	2007/5/19 0:59:57.54	E OFF AOMORI PREF	41 33.77	142 3.17	68 5.3	136	1	1
106	2007/6/23 7:20:04.28	HIDAKA REGION	42 32.32	142 11.08	125 4.9	180	0.3	0.3
107	2007/6/26 21:08:02.46	W OFF AOMORI PREF	41 15.51	139 2.36	29 4.4	121	0.5	0.5
108	2007/7/1 13:12:06.96	NEMURO REGION	43 32.61	144 54.51	132 5.8	427	0.3	0.3
109	2007/7/10 13:15:25.71	SW OFF HOKKAIDO	41 51.53	139 29.08	15 4.5	83	3	3
110	2007/7/16 23:17:36.96	NW OFF KINKI DISTRICT	36 51.96	135 6.27	374 6.7	697	0.4	0.4
111	2009/6/23 16:37:17							

# 7. 北海道西部に位置するKiK-net観測点の観測記録一覧(OSMH01知内)

No.	地震発生時刻	震央地名	北緯(度分)	東経(度分)	震源深さ (km)	M	震央距離 (km)	最大加速度 (Gal)
119	2009/9/13 17:37:10.34	E OFF AOMORI PREF	41 16.52	142 42.74	27 4.5	195	195	0.2
120	2009/9/18 15:36:26.63	E OFF AOMORI PREF	41 33.28	142 3.93	67 4.2	137	0.1	
121	2009/9/30 2:21:43.37	E OFF AOMORI PREF	41 29.63	142 4.18	63 4.3	138	0.2	
122	2009/10/3 22:57:28.48	SHIMOKITA PENINSULA REG	40 42.73	141 29.24	88 3.8	133	0.1	
123	2009/10/5 9:35:12.73	S OFF TOMAKOMAI	42 27.24	141 33.52	20 4.7	134	0.3	
124	2009/10/10 17:42:48.49	E OFF AOMORI PREF	41 43.20	142 13.52	92 5.1	151	0.4	
125	2009/10/26 19:11:17.50	OSHIMA PEN REG HOKKAIDO	41 24.85	140 6.22	7 3.0	33	1	
126	2009/11/10 3:01:51.40	S OFF URAKAWA	41 55.22	142 18.66	69 4.4	161	0.1	
127	2009/12/17 4:04:01.03	SHIMOKITA PENINSULA REG	41 9.57	141 31.16	90 3.9	104	0.2	
128	2009/12/20 23:30:25.33	E OFF AOMORI PREF	40 59.51	143 16.16	44 4.7	248	0.1	
129	2009/12/24 9:23:35.57	SEA OF JAPAN	42 7.01	135 2.89	387 6.1	450	1	
130	2009/12/30 4:23:03.44	S OFF URAKAWA	41 50.28	142 12.17	72 4.8	151	0.3	
131	2010/1/7 5:39:38.93	S OFF URAKAWA	41 57.38	142 19.77	69 4.1	164	0.1	
132	2010/1/15 3:46:25.57	HIDAKA MOUNTAINS REGION	42 21.16	143 7.08	51 5.0	239	0.4	
133	2010/1/24 16:19:05.65	E OFF AOMORI PREF	41 12.59	141 38.71	14 4.5	111	0.3	
134	2010/2/18 10:13:16.47	NEAR VLADIVOSTOK	42 37.22	131 3.81	619 6.8	782	0.3	
135	2010/3/14 10:59:19.08	S OFF TOMAKOMAI	41 58.69	141 19.45	94 4.3	86	0.3	
136	2010/3/14 17:08:04.18	E OFF FUKUSHIMA PREF	37 43.45	141 49.08	40 6.7	446	1	
137	2010/3/30 10:02:51.11	EASTERN SEA OF JAPAN	43 11.50	138 34.70	25 5.8	233	0.5	
138	2010/6/13 12:32:57.02	E OFF FUKUSHIMA PREF	37 23.76	141 47.74	40 6.2	487	0.4	
139	2010/6/18 11:23:00.89	SE OFF ETOROFU	44 35.85	149 11.79	30 6.5	788	0.3	
140	2010/6/19 19:00:49.50	E OFF AOMORI PREF	41 18.41	142 39.97	33 4.9	190	0.3	
141	2010/6/28 6:03:25.38	E OFF AOMORI PREF	41 37.56	141 49.99	57 5.1	118	1	
142	2010/7/2 21:30:06.78	S OFF URAKAWA	41 58.65	142 34.21	63 4.2	184	0.2	
143	2010/7/5 6:55:52.36	E OFF IWATE PREF	39 39.43	142 39.17	34 6.4	287	0.1	
144	2010/8/10 14:50:34.64	FAR E OFF SANRIKU	39 20.92	143 29.68	30 6.3	361	0.4	
145	2010/8/31 11:30:31.56	W OFF AOMORI PREF	40 24.17	139 10.48	33 4.9	169	0.2	
146	2010/9/13 14:47:48.01	E OFF AOMORI PREF	41 27.36	142 7.31	63 5.8	143	2	
147	2010/9/28 11:33:38.72	NEMURO REGION	43 30.05	145 45.59	99 5.3	487	0.1	
148	2010/10/11 23:10:32.67	SHIMOKITA PENINSULA REG	41 5.99	141 17.95	88 4.2	92	0.1	
149	2010/10/14 22:58:55.50	HIDAKA MOUNTAINS REGION	42 18.77	143 4.17	53 5.5	234	0.5	
150	2010/11/4 5:33:48.14	S OFF URAKAWA	42 12.55	142 29.88	36 4.4	185	0.1	
151	2010/11/22 5:47:50.98	E OFF AOMORI PREF	41 36.96	141 51.58	66 3.6	120	0.1	
152	2010/12/6 16:30:29.85	E OFF AOMORI PREF	40 47.95	143 13.10	7 5.8	251	1	
153	2010/12/15 16:37:19.98	E OFF AOMORI PREF	41 1.78	142 48.55	23 4.7	210	0.2	
154	2011/1/11 14:11:42.47	HIDAKA REGION	42 36.10	142 8.56	133 4.1	181	0	
155	2011/3/9 11:45:12.97	FAR E OFF MIYAGI PREF	38 19.71	143 16.79	8 7.3	437	2	
156	2011/3/9 11:57:10.73	FAR E OFF MIYAGI PREF	38 19.34	143 23.84	12 6.2	444	0.3	
157	2011/3/9 13:36:59.15	FAR E OFF MIYAGI PREF	38 36.39	143 14.93	11 6.1	410	0.2	
158	2011/3/10 3:16:14.18	FAR E OFF MIYAGI PREF	38 16.27	142 52.73	29 6.4	425	0.3	
159	2011/3/10 3:44:35.75	FAR E OFF MIYAGI PREF	38 28.77	143 25.97	36 6.3	431	0.1	
160	2011/3/10 6:23:59.75	FAR E OFF MIYAGI PREF	38 10.33	143 2.69	9 6.8	442	1	
161	2011/3/11 14:46:18.12	FAR E OFF MIYAGI PREF	38 6.21	142 51.66	24 9.0	441	1	
162	2011/3/11 15:08:53.46	E OFF IWATE PREF	39 49.24	142 46.01	32 7.4	280	4	
163	2011/3/11 15:25:44.33	FAR E OFF NORTH HONSHU	37 54.86	144 45.06	11 7.5	552	2	
164	2011/3/11 16:28:59.83	E OFF IWATE PREF	39 1.35	142 18.67	17 6.6	328	1	
165	2011/3/11 17:40:54.53	E OFF FUKUSHIMA PREF	37 25.44	141 16.39	30 6.0	469	0.2	
166	2011/3/11 20:36:39.99	E OFF IWATE PREF	39 13.81	142 34.72	24 6.7	320	1	
167	2011/3/12 4:46:46.19	W OFF AKITA PREF	40 23.65	139 5.34	4 6.4	174	5	
168	2011/3/12 15:18:39.53	E OFF IWATE PREF	39 9.49	142 42.28	44 5.5	333	0.2	
169	2011/3/12 19:53:28.46	E OFF MIYAGI PREF	38 59.88	142 32.26	20 5.8	340	0.3	
170	2011/3/12 22:15:41.76	E OFF FUKUSHIMA PREF	37 11.85	141 25.58	40 6.2	496	0.4	
171	2011/3/12 23:43:05.97	E OFF IWATE PREF	39 28.22	142 41.73	9 5.9	309	1	
172	2011/3/13 8:24:46.90	SE OFF MIYAGI PREF	38 0.72	141 56.90	15 6.2	415	0.3	
173	2011/3/14 15:12:33.99	SE OFF MIYAGI PREF	37 48.28	142 35.26	7 6.5	460	0.2	
174	2011/3/17 13:13:57.35	NE OFF IWATE PREF	40 7.58	142 24.69	31 5.9	234	1	
175	2011/3/17 21:54:53.66	E OFF IBARAKI PREF	36 44.26	141 18.56	47 5.9	545	0.2	
176	2011/3/19 8:32:59.82	E OFF IWATE PREF	39 11.12	142 25.26	37 5.7	317	0.2	
177	2011/3/19 18:56:48.06	NORTHERN IBARAKI PREF	36 47.02	140 34.29	5 6.1	535	0.2	

No.	地震発生時刻	震央地名	北緯(度分)	東経(度分)	震源深さ (km)	M	震央距離 (km)	最大加速度 (Gal)
178	2011/3/20 21:03:47.52	E OFF IWATE PREF	39 20.66	142 2.90	48 5.9	286	0.3	
179	2011/3/22 16:18:40.84	FAR E OFF NORTH HONSHU	37 5.16	144 14.88	28 6.7	600	0.1	
180	2011/3/22 18:19:05.28	E OFF FUKUSHIMA PREF	37 18.95	141 54.62	43 6.4	492	0.2	
181	2011/3/22 18:44:25.48	FAR E OFF SANRIKU	39 55.16	143 39.66	0 6.5	331	0.3	
182	2011/3/23 0:49:27.43	E OFF IWATE PREF	39 13.36	142 23.99	34 5.2	313	0.2	
183	2011/3/24 17:20:58.62	FAR E OFF IWATE PREF	39 4.60	142 21.46	34 6.2	325	0.2	
184	2011/3/25 20:36:24.28	E OFF MIYAGI PREF	38 43.75	142 6.43	45 6.3	349	0.4	
185	2011/3/28 7:23:57.02	E OFF MIYAGI PREF	38 23.02	142 20.78	32 6.5	393	1	
186	2011/3/29 19:54:30.44	SE OFF MIYAGI PREF	37 24.52	142 28.18	13 6.6	497	0.4	
187	2011/3/31 16:15:29.67	KINKAZAN REGION	38 52.34	142 5.06	47 6.1	334	1	
188	2011/4/1 19:49:44.12	NORTHERN AKITA PREF	40 15.41	140 21.84	12 5.0	149	1	
189	2011/4/1 20:57:54.60	E OFF IWATE PREF	39 20.18	142 9.97	45 6.0	291	0.5	
190	2011/4/7 23:32:43.46	E OFF MIYAGI PREF	38 12.25	141 55.21	66 7.2	398	3	
191	2011/4/17 17:16:12.02	EASTERN FUKUSHIMA PREF	36 56.74	140 40.36	6 7.0	517	1	
192	2011/4/12 14:07:42.28	EASTERN FUKUSHIMA PREF	37 3.15	140 38.61	15 6.4	505	0.2	
193	2011/4/13 4:37:48.46	E OFF IWATE PREF	39 20.62	142 3.88	48 5.5	286	0.2	
194	2011/4/14 4:57:18.53	FAR E OFF SANRIKU	39 38.89	143 48.53	0 6.3	359	0.3	
195	2011/4/23 19:12:46.20	FAR E OFF SANRIKU	39 7.95	143 0.08	35 6.1	351	0.2	
196	2011/4/26 8:26:34.12	S OFF URAKAWA	42 1.41	142 35.56	61 4.6	187	0.4	
197	2011/4/28 18:27:46.79	E OFF FUKUSHIMA PREF	37 24.80	141 46.89	44 5.7	479	0.1	
198	2011/4/29 9:00:01.53	SW OFF HOKKAIDO	42 6.72	139 11.98	18 3.9	116	1	
199	2011/5/3 6:25:47.99	NE OFF IWATE PREF	40 3.40	142 43.34	31 5.1	259	0.2	
200	2011/5/4 14:41:46.40	SHIMOKITA PENINSULA REG	40 50.75	141 24.85	92 4.6	118	0.2	
201	2011/5/5 23:58:19.13	FAR E OFF NORTH HONSHU	38 12.73	144 7.14	42 6.1	491	0.2	
202	2011/5/8 5:52:20.34	NE OFF HONSHU	40 14.69	142 30.06	34 5.7	231	0.2	
203	2011/5/24 12:40:50.04	FAR E OFF SANRIKU	39 47.00	143 29.25	27 5.8	328	0.2	
204	2011/6/1 1:28:07.97	FAR E OFF SANRIKU	40 14.98	143 21.13	12 5.1	289	0.1	
205	2011/6/2 1:39:26.82	E OFF AOMORI PREF	41 40.17	142 14.28	42 4.1	152	0.3	
206	2011/6/4 12:32:58.58	NORTHERN AKITA PREF	40 14.43	140 22.85	13 4.1	151	0.1	
207	2011/6/14 23:56:00.08	E OFF IWATE PREF	39 29.41	142 31.70	28 5.3	294	0.4	
208	2011/6/18 20:31:04.61	E OFF FUKUSHIMA PREF	37 37.06	141 49.28	28 6.0	458	0.2	
209	2011/6/22 23:28:55.75	NE OFF IWATE PREF	40 3.82	142 54.87	23 5.5	271	0.3	
210	2011/6/23 0:50:50.73	E OFF IWATE PREF	39 56.87	142 35.45	36 6.9	259	3	
211	2011/6/25 2:39:26.46	S OFF URAKAWA	41 57.98	142 43.20	57 5.4	195	0.5	
212	2011/7/8 3:35:41.84	E OFF FUKUSHIMA PREF	37 5.82	141 7.77	55 5.6	503	0.1	
213	2011/7/10 9:57:07.36	FAR E OFF MIYAGI PREF	38 1.91	143 30.40	34 7.3	476	1	
214	2011/7/23 13:34:23.87	KINKAZAN REGION	38 52.42	142 5.47	47 6.4	334	1	
215	2011/7/25 3:51:25.30	E OFF FUKUSHIMA PREF	37 42.52	141 37.60	46 6.3	444	0.4	
216	2011/7/26 7:58:45.53	S OFF URAKAWA	42 2.59	142 30.36	67 4.8	180	0.5	
217	2011/7/28 18:01:32.90	FAR E OFF SANRIKU	40 17.72	143 31.49	3 5.7	299	0.2	
218	2011/7/31 3:53:50.64	E OFF FUKUSHIMA PREF	36 54.19	141 13.28	57 6.5	526	1	
219	2011/8/1 2:35:57.15	E OFF AOMORI PREF	41 42.57	143 0.79	37 5.5	216	1	
220	2011/8/1 22:44:47.86	E OFF IWATE PREF	39 48.96	142 15.21	43 5.8	251	1	
221	2011/8/5 19:53:19.04	NE OFF IWATE PREF	40 7.41	142 28.70	34 4.9	239	0.2	
222	2011/8/12 3:22:04.71	E OFF FUKUSHIMA PREF	36 58.13	141 9.66	52 6.1	518	0.4	
223	2011/8/17 4:35:18.94	E OFF IWATE PREF	40 7.46	142 26.78	35 5.4	237	0.4	
224	2011/8/19 14:36:31.61	E OFF FUKUSHIMA PREF	37 38.94	141 47.80	51 6.5	454	0.4	
225	2011/8/23 15:04:57.18	S OFF URAKAWA	42 0.61	142 32.54	63 4.3	182	0.2	
226	2011/8/29 11:02:25.09	UCHIURA BAY REGION	41 56.83	140 59.48	9 3.4	61	0.2	
227	2011/8/31 19:59:33.46	SW OFF HOKKAIDO	42 21.48	139 14.87	24 3.6	129	0.2	
228	2011/9/15 17:00:08.62	FAR E OFF IBARAKI PREF	36 15.32	141 29.00	51 6.3	600	0.2	
229	2011/9/17 4:26:35.86	NE OFF IWATE PREF	40 15.55	143 5.17	7 6.6	269	1	
230	2011/9/17 5:11:10.85	FAR E OFF SANRIKU	40 15.93	143 28.80	5 5.7	297	0.2	
231	2011/9/17 6:08:02.54	FAR E OFF SANRIKU	40 14.84	143 12.77	4 6.1	279	1	
232	2011/9/17 6:36:32.90	FAR E OFF SANRIKU	40 8.32	143 23.21	5 5.8	298	0.2	
233	2011/9/17 7:40:42.13	FAR E OFF SANRIKU	40 16.54	143 23.69	15 5.8	290	1	
234	2011/9/17 16:34:16.84	FAR E OFF SANRIKU	40 17.69	143 12.55	8 5.8	276	1	
235	2011/9/18 2:54:44.37	FAR E OFF SANRIKU	40 16.99	143 19.68	7 5.1			

## 7. 北海道西部に位置するKiK-net観測点の観測記録一覧(OSMH01知内)

No.	地震発生時刻	震央地名	北緯(度分)	東経(度分)	震源深さ (km)	M	震央距離 (km)	最大加速度 (Gal)		
237	2011/9/18 19:39:46.37	S OFF URAKAWA	41	56.15	142	26.48	66	5.0	172	0.4
238	2011/10/7 11:51:18.14	E OFF AOMORI PREF	41	33.91	142	3.49	67	5.0	137	0.5
239	2011/10/21 17:02:36.94	KAMIKAWA-SORACHI REGION	43	47.61	142	39.15	196	6.3	305	0.3
240	2011/11/16 15:25:50.05	OSHIMA PEN REG HOKKAIDO	41	58.24	140	11.84	3	2.9	45	0.3
241	2011/11/24 4:24:30.45	E OFF FUKUSHIMA PREF	37	19.81	141	36.76	45	6.1	485	0.1
242	2011/11/24 19:25:33.75	S OFF URAKAWA	41	45.02	142	53.24	43	6.2	206	1
243	2011/12/10 4:42:52.48	SOUTHERN SEA OF OKHOTSK	46	45.61	144	53.42	431	5.7	676	0.1
244	2011/12/20 15:26:19.64	NE OFF IWATE PREF	40	3.90	142	41.92	29	5.0	257	0.2
245	2012/1/1 14:27:52.05	NEAR TORISHIMA IS	31	25.68	138	33.99	397	7.0	1141	0.1
246	2012/1/12 12:20:49.03	E OFF FUKUSHIMA PREF	36	58.07	141	18.23	33	5.9	520	0.2
247	2012/1/14 18:57:54.29	NE OFF IWATE PREF	40	8.63	142	28.32	34	4.7	237	0.2
248	2012/1/28 9:22:16.47	NE OFF IWATE PREF	40	9.19	142	25.61	36	5.7	233	0.5
249	2012/1/28 21:44:25.35	NE OFF IWATE PREF	40	9.84	142	23.36	37	4.9	230	0.3
250	2012/2/15 13:36:32.96	OSHIMA PEN REG HOKKAIDO	42	7.32	140	26.51	8	3.6	58	0.4
251	2012/2/16 13:50:08.96	SW OFF HOKKAIDO	41	55.60	139	17.80	20	4.2	100	2
252	2012/2/18 10:59:11.06	S OFF URAKAWA	41	53.07	142	29.87	63	4.2	176	0.2
253	2012/3/5 15:24:24.44	NE OFF IWATE PREF	40	9.03	142	30.71	33	5.1	239	0.4
254	2012/3/14 18:08:33.09	FAR SE OFF HOKKAIDO	40	46.52	145	13.65	64	6.9	413	1
255	2012/3/14 19:49:23.16	FAR E OFF NORTH HONSHU	40	40.87	144	58.04	69	6.0	395	0.4
256	2012/3/19 11:56:00.69	E OFF AOMORI PREF	41	30.13	142	2.20	63	5.0	135	0.3
257	2012/3/23 13:46:16.39	SW OFF HOKKAIDO	42	8.80	139	10.24	18	3.8	120	1
258	2012/3/26 11:33:45.52	NE OFF IWATE PREF	40	14.58	142	33.40	28	4.7	235	0.2
259	2012/3/27 20:00:42.44	E OFF IWATE PREF	39	48.38	142	20.03	21	6.6	256	1
260	2012/4/12 23:50:50.42	E OFF FUKUSHIMA PREF	37	27.13	141	44.06	27	5.9	474	0.3
261	2012/4/13 10:10:00.37	E OFF FUKUSHIMA PREF	36	56.83	141	25.34	32	6.0	523	0.1
262	2012/4/21 23:29:36.81	HIDAKA REGION	42	30.86	142	18.21	104	4.5	186	0.1
263	2012/4/27 3:41:18.51	E OFF AOMORI PREF	41	28.75	141	58.82	65	5.0	131	0.4
264	2012/4/30 0:02:18.49	E OFF IWATE PREF	39	44.53	142	15.30	23	5.6	258	0.3
265	2012/5/10 9:28:18.11	E OFF IWATE PREF	39	46.18	142	14.60	23	5.1	255	0.2
266	2012/5/17 0:59:01.19	WESTERN AOMORI PREF	40	43.05	140	27.24	15	3.6	98	0.2
267	2012/5/20 4:05:17.56	FAR E OFF SANRIKU	39	41.93	143	40.84	33	6.0	347	0.2
268	2012/5/20 16:20:33.75	FAR E OFF SANRIKU	39	32.23	143	37.27	7	6.5	355	0.4
269	2012/5/20 17:20:55.95	FAR E OFF SANRIKU	39	36.80	143	36.52	28	5.5	348	0.1
270	2012/5/24 0:02:26.59	E OFF AOMORI PREF	41	20.62	142	7.42	60	6.1	145	3
271	2012/6/18 5:32:20.81	KINKAZAN REGION	38	52.48	142	5.46	47	6.2	334	1
272	2012/7/12 20:17:15.99	E OFF AOMORI PREF	41	33.52	143	11.90	55	4.6	232	0.2
273	2012/7/22 13:41:58.34	HIDAKA MOUNTAINS REGION	42	29.36	143	1.54	61	5.1	237	0.2
274	2012/7/30 7:05:28.62	E OFF IWATE PREF	39	5.86	142	28.37	34	5.5	328	0.2
275	2012/8/14 11:59:36.27	SOUTHERN SEA OF OKHOTSK	49	11.00	145	52.90	654	7.3	945	1
276	2012/8/17 16:24:36.64	E OFF AOMORI PREF	41	11.79	142	2.39	58	4.9	143	0.3
277	2012/8/22 10:33:05.72	HIDAKA MOUNTAINS REGION	42	20.88	143	3.11	53	5.2	233	0.2
278	2012/8/25 23:16:17.44	HIDAKA MOUNTAINS REGION	42	19.67	143	6.64	49	6.1	237	1
279	2012/10/2 7:21:42.63	FAR E OFF SANRIKU	39	49.97	143	31.23	22	6.3	327	1
280	2012/10/6 1:19:01.89	NORTHERN AKITA PREF	39	59.38	140	36.40	3	4.9	179	0.2
281	2012/12/7 17:18:30.81	FAR E OFF MIYAGI PREF	38	1.19	143	52.02	49	7.3	495	2
282	2012/12/7 17:31:10.24	FAR E OFF MIYAGI PREF	37	55.19	143	51.34	30	6.6	503	0.2
283	2012/12/29 23:59:36.62	E OFF MIYAGI PREF	38	43.04	142	11.77	41	5.5	354	0.2
284	2013/1/8 16:51:30.35	NE OFF IWATE PREF	40	7.18	142	26.35	34	5.4	236	0.5
285	2013/1/17 14:13:23.73	S OFF URAKAWA	42	4.86	142	45.26	48	4.9	201	0.2
286	2013/2/2 23:17:35.86	TOKACHI REGION	42	42.12	143	13.65	102	6.5	262	2
287	2013/4/2 3:53:15.74	FAR E OFF SANRIKU	39	30.32	143	31.10	29	6.2	350	0.3
288	2013/4/11 12:05:55.59	E OFF AOMORI PREF	41	34.37	142	3.42	65	4.3	136	0.2
289	2013/4/17 21:03:32.49	KINKAZAN REGION	38	27.66	141	37.18	58	5.9	363	0.2
290	2013/4/19 12:05:54.67	KURILE ISLANDS REGION	45	18.05	150	57.43	125	7.0	946	1
291	2013/4/23 2:50:55.42	S OFF URAKAWA	41	52.18	142	9.26	74	4.3	147	0.2
292	2013/5/16 8:46:28.41	NE OFF IWATE PREF	40	20.58	141	55.52	12	5.0	188	0.3
293	2013/5/18 14:47:59.71	E OFF FUKUSHIMA PREF	37	42.55	141	37.72	46	6.0	444	0.1
294	2013/5/21 23:51:48.14	NE OFF HOKKAIDO	45	10.03	142	54.48	277	5.0	445	0.3
295	2013/5/24 14:44:48.98	SEA OF OKHOTSK	54	53.52	153	13.26	598	8.3	1751	1

No.	地震発生時刻	震央地名	北緯(度分)	東経(度分)	震源深さ (km)	M	震央距離 (km)	最大加速度 (Gal)		
296	2013/5/25 21:47:09.61	OSHIMA PEN REG HOKKAIDO	41	24.53	140	5.75	8	2.8	34	0.3
297	2013/6/20 10:49:41.81	E OFF AOMORI PREF	40	44.33	142	32.69	29	4.9	202	0.3
298	2013/6/25 8:12:25.59	E OFF AOMORI PREF	41	29.22	142	0.43	65	4.2	133	0.1
299	2013/7/16 7:45:58.71	E OFF IWATE PREF	39	35.70	142	17.10	70	5.1	273	0.2
300	2013/7/26 4:05:05.86	NE OFF IWATE PREF	40	8.66	142	27.75	35	4.9	236	0.2
301	2013/8/4 12:28:50.83	E OFF MIYAGI PREF	38	9.76	141	48.15	58	6.0	399	0.2
302	2013/8/7 16:51:31.05	E OFF AOMORI PREF	41	12.49	142	14.56	61	4.5	158	0.2
303	2013/8/12 9:51:10.08	S OFF URAKAWA	41	55.16	142	20.18	69	4.8	163	0.2
304	2013/8/13 9:09:44.47	ABASHIRI REGION	43	39.54	143	34.49	179	5.0	345	0.2
305	2013/9/4 9:18:20.72	NEAR TORISHIMA IS	29	56.15	139	25.05	445	6.8	1297	0.2
306	2013/10/24 13:04:18.88	SHIMOKITA PENINSULA REG	41	22.39	141	11.70	112	4.5	69	0.3
307	2013/10/26 2:10:18.39	FAR E OFF NORTH HONSHU	37	11.78	144	34.12	56	7.1	605	1
308	2013/11/15 11:00:34.48	E OFF AOMORI PREF	41	27.60	142	3.51	63	5.3	138	1
309	2013/11/24 1:26:40.95	HIDAKA REGION	42	19.44	142	30.40	45	4.4	191	0.2
310	2013/11/28 2:45:50.65	S OFF TOMAKOMAI	42	0.80	141	31.59	90	5.0	103	0.4
311	2013/12/9 2:24:51.89	SE OFF ETOROBU	44	33.33	149	22.91	30	6.4	800	0.1
312	2013/12/25 2:12:41.60	SW OFF HOKKAIDO	42	29.37	139	16.93	26	4.4	137	1
313	2013/12/27 19:31:18.16	NE OFF IWATE PREF	40	12.75	142	19.60	38	5.0	222	0.2
314	2014/1/9 13:31:54.42	S OFF URAKAWA	42	3.56	142	38.77	60	4.7	192	0.3
315	2014/1/16 10:12:15.44	NE OFF IWATE PREF	40	3.61	142	43.42	28	5.1	259	0.2
316	2014/2/11 15:05:29.87	S OFF URAKAWA	41	54.97	142	19.77	72	4.6	163	0.1
317	2014/3/29 16:39:47.00	E OFF AOMORI PREF	40	54.96	143	15.65	26	4.0	250	0.2
318	2014/4/3 8:22:48.03	SOUTHERN IWATE PREF	39	10.22	141	45.89	64	5.5	293	0.2
319	2014/4/5 10:16:18.13	E OFF IWATE PREF	39	11.39	142	25.24	34	5.3	317	0.2
320	2014/4/18 9:02:29.95	HIDAKA REGION	42	36.33	142	11.68	110	4.2	185	0.2
321	2014/5/14 8:03:23.56	S OFF URAKAWA	41	59.56	142	34.12	62	4.5	184	0.3
322	2014/6/9 7:50:59.12	E OFF AOMORI PREF	40	57.43	141	36.67	82	4.6	223	0.4
323	2014/6/15 2:31:42.15	SOUTHERN IWATE PREF	39	23.77	141	6.46	94	5.5	251	0.4
324	2014/6/16 5:14:50.69	E OFF FUKUSHIMA PREF	37	4.32	141	9.81	52	5.8	507	0.2
325	2014/7/5 17:42:04.63	E OFF IWATE PREF	39	40.55	142	8.16	49	5.9	258	0.5
326	2014/7/6 5:22:56.85	HIDAKA REGION	42	11.80	142	57.83	50	4.6	221	0.1
327	2014/7/8 18:05:24.29	IBURI REGION	42	38.99	141	16.02	3	5.6	136	2
328	2014/7/12 4:22:00.44	E OFF FUKUSHIMA PREF	37	3.00	142	19.25	33	7.0	531	1
329	2014/7/21 3:32:47.70	SE OFF ETOROBU	44	36.12	148	50.87	30	6.4	762	0.2
330	2014/7/25 13:18:15.58	E OFF AOMORI PREF	41	32.59	142	5.24	66	4.9	139	1
331	2014/8/10 12:43:18.15	E OFF AOMORI PREF	41	8.04	142	16.74	51	6.1	164	2
332	2014/8/27 13:48:58.76	E OFF AOMORI PREF	41	2.51	143	11.47	42	5.4	240	0.3
333	2014/9/6 17:31:57.47	E OFF URAKAWA	42	2.98	142	30.57	64	4.4	181	0.2
334	2014/9/10 10:09:36.46	NE OFF IWATE PREF	40	8.07	141	55.53	67	4.9	206	0.2
335	2014/10/3 9:57:30.07	NE OFF IWATE PREF	40	9.92	142	37.68	28	5.7	245	1
336	2014/10/11 11:35:46.45	E OFF AOMORI PREF	40	57.13	143	14.68	36	6.1	247	1
337	2014/10/11 14:20:35.55	E OFF AOMORI PREF	40	55.28	143	17.44	34	5.6	252	0.5
338	2014/10/14 6:24:59.76	E OFF AOMORI PREF	40	59.99	141	44.59	81	4.4	129	0.3
339	2014/10/15 3:08:44.20	E OFF AOMORI PREF	40	51.95	143	23.82	35	5.0	262	0.2
340	2014/10/27 13:33:00.81	E OFF AOMORI PREF	40	45.92	142	3.57	92	4.3	166	0.2
341	2014/11/3 11:28:06.95									

## 7. 北海道西部に位置するKiK-net観測点の観測記録一覧(OSMH01知内)

No.	地震発生時刻	震央地名	北緯(度分)	東経(度分)	震源深さ (km)	M	震央距離 (km)	最大加速度 (Gal)
355	2015/6/11 13:51:24.10	FAR E OFF SANRIKU	39	37.22	143	30.45	36 5.9	341 0.3
356	2015/6/11 13:56:30.14	FAR E OFF SANRIKU	39	36.43	143	35.47	25 5.6	348 0.2
357	2015/6/23 0:35:16.60	E OFF AOMORI PREF	41	29.07	142	5.24	63 4.6	140 0.3
358	2015/7/7 14:10:26.79	E OFF HOKKAIDO	43	40.50	147	50.30	1 6.3	650 0.2
359	2015/7/9 17:27:38.81	NE OFF IWATE PREF	40	7.05	142	25.77	36 5.1	236 0.2
360	2015/7/10 3:32:51.27	NORTHERN IWATE PREF	40	21.24	141	33.59	88 5.7	168 1
361	2015/7/23 18:43:21.09	S OFF URAKAWA	41	58.45	142	32.62	65 4.5	181 0.3
362	2015/8/14 13:43:44.82	TOKACHI REGION	42	45.17	143	6.77	80 5.1	257 0.2
363	2015/8/22 21:14:04.80	S OFF URAKAWA	41	57.34	142	53.41	43 4.5	209 0.2
364	2015/9/12 22:38:01.64	S OFF URAKAWA	41	49.50	142	40.21	56 5.4	189 0.4
365	2015/9/18 6:42:42.23	E OFF AOMORI PREF	41	22.16	142	3.43	62 4.3	139 0.2
366	2015/9/26 18:49:46.48	S OFF TOMAKOMAI	42	12.72	141	57.49	94 4.5	145 0.3
367	2015/10/18 9:47:39.64	E OFF AOMORI PREF	41	29.51	142	0.11	65 4.4	132 0.2
368	2015/11/1 12:48:47.61	E OFF AOMORI PREF	41	34.08	142	4.06	65 5.2	137 1
369	2016/1/11 15:26:41.13	EASTERN AOMORI PREF	40	23.28	141	15.88	10 4.6	152 1
370	2016/1/12 2:08:01.96	NW OFF HOKKAIDO	44	25.84	141	12.63	265 6.2	321 1
371	2016/1/12 2:50:28.78	S OFF URAKAWA	41	53.76	142	30.03	64 4.4	176 0.3
372	2016/1/14 12:25:33.31	S OFF URAKAWA	41	58.21	142	48.07	52 6.7	202 9
373	2016/2/2 14:31:46.84	E OFF IWATE PREF	39	40.85	142	54.42	22 5.6	299 0.3
374	2016/3/7 16:37:01.53	NE OFF IWATE PREF	40	8.65	142	27.75	34 4.8	236 0.2
375	2016/3/13 11:07:37.14	S OFF URAKAWA	41	58.75	142	34.28	62 4.2	184 0.1
376	2016/5/3 9:00:50.53	E OFF HOKKAIDO	43	29.43	147	36.01	44 5.9	626 0.2
377	2016/5/25 14:22:44.50	E OFF AOMORI PREF	41	1.51	142	24.61	34 4.8	178 0.3
378	2016/6/16 14:21:28.20	UCHIURA BAY REGION	41	56.91	140	59.22	11 5.3	61 3
379	2016/6/21 0:10:08.59	UCHIURA BAY REGION	41	55.49	140	59.67	10 4.2	60 0.4
380	2016/6/30 3:12:43.23	FAR E OFF NORTH HONSHU	39	52.08	144	36.35	43 5.2	402 0.2
381	2016/7/13 3:53:34.17	SW OFF HOKKAIDO	42	19.42	139	14.98	22 4.1	126 1
382	2016/7/16 22:12:48.78	NORTHERN AKITA PREF	40	17.42	140	55.05	8 4.6	151 0.1
383	2016/7/19 13:11:26.31	E OFF AOMORI PREF	41	29.62	142	2.97	66 4.5	136 0.3
384	2016/7/24 11:51:21.38	TOKACHI REGION	42	52.43	143	10.43	96 4.9	268 0.2
385	2016/7/30 6:18:25.72	FAR FIELD	18	50.10	145	45.57	233 7.7	2574 0.1
386	2016/8/20 18:01:23.64	FAR E OFF SANRIKU	40	22.01	143	46.73	11 6.4	314 0.4
387	2016/8/20 22:23:06.99	S OFF URAKAWA	42	10.76	142	12.66	31 4.2	162 0.1
388	2016/8/21 0:58:03.28	FAR E OFF SANRIKU	40	22.05	143	41.21	12 6.2	307 0.2
389	2016/8/21 1:10:35.40	FAR E OFF SANRIKU	40	24.33	143	29.96	11 5.5	291 0.2
390	2016/8/21 21:49:12.73	FAR E OFF SANRIKU	40	38.68	143	41.63	22 5.2	295 0.1
391	2016/9/7 18:42:03.72	HIDAKA REGION	42	29.66	142	40.86	110 4.7	212 0.2
392	2016/9/25 13:03:48.67	TSUGURU STRAIT REGION	41	33.20	140	36.47	13 3.7	16 7
393	2016/9/26 11:24:36.94	S OFF URAKAWA	41	49.95	142	12.37	72 4.8	151 0.4
394	2016/9/26 14:13:24.62	E OFF AOMORI PREF	41	39.10	142	59.60	29 5.4	214 2
395	2016/10/3 17:48:25.29	S OFF URAKAWA	41	55.33	142	26.28	67 4.5	172 0.4
396	2016/10/12 4:02:27.19	HIDAKA MOUNTAINS REGION	42	19.54	143	2.54	50 5.0	232 0.4
397	2016/10/24 5:25:24.84	E OFF HOKKAIDO	43	46.00	147	58.03	0 6.0	663 0.2
398	2016/11/2 14:33:25.62	NORTHERN AKITA PREF	40	1.16	140	28.06	6 4.2	175 0.1
399	2016/11/12 6:43:00.73	KINKAZAN REGION	38	27.84	141	36.48	58 5.9	362 0.2
400	2016/11/22 5:59:46.89	E OFF FUKUSHIMA PREF	37	21.28	141	36.25	25 5.7	482 1
401	2016/12/28 21:38:49.04	NORTHERN IBARAKI PREF	36	43.21	140	34.45	11 6.3	542 0.1
402	2017/1/14 8:59:18.96	TSUGURU STRAIT REGION	41	33.41	140	23.73	6 2.4	5 5
403	2017/1/21 20:54:31.07	E OFF AOMORI PREF	40	33.44	142	32.33	29 4.5	212 0.3
404	2017/1/22 3:11:05.64	E OFF AOMORI PREF	41	4.02	142	26.53	37 4.5	179 0.2
405	2017/1/26 17:06:27.94	NE OFF IWATE PREF	40	9.97	142	27.33	36 5.2	234 0.2
406	2017/2/12 22:36:53.95	NE OFF IWATE PREF	40	9.63	142	21.98	36 4.8	229 0.2
407	2017/3/8 1:08:19.02	E OFF AOMORI PREF	41	28.90	141	58.73	65 5.2	131 0.5
408	2017/4/30 23:42:35.92	HIDAKA MOUNTAINS REGION	42	19.38	143	4.26	53 5.4	234 0.3
409	2017/5/26 2:33:22.72	S OFF URAKAWA	42	0.58	142	35.01	64 4.1	185 0.1
410	2017/7/1 23:45:52.92	ISHIKARI DEPRESSION	42	47.26	141	51.54	27 5.1	178 0.3
411	2017/7/24 0:35:41.27	FAR E OFF SANRIKU	40	7.29	143	22.47	14 5.7	298 0.2
412	2017/7/24 11:15:00.30	OGA PENINSULA REGION	40	5.32	139	39.03	17 4.3	180 0.1
413	2017/9/8 22:23:18.14	SOUTHERN AKITA PREF	39	30.07	140	25.16	9 5.2	233 0.3

No.	地震発生時刻	震央地名	北緯(度分)	東経(度分)	震源深さ (km)	M	震央距離 (km)	最大加速度 (Gal)
414	2017/9/10 17:44:24.05	S OFF URAKAWA	41	45.55	142	52.67	43 5.6	205 1
415	2017/9/21 1:37:18.59	FAR E OFF NORTH HONSHU	38	2.16	144	29.32	53 6.3	527 0.2
416	2017/9/27 5:22:11.22	NE OFF IWATE PREF	40	16.00	142	27.32	35 6.1	226 1
417	2017/10/4 18:29:01.08	OSHIMA PEN REG HOKKAIDO	41	49.32	140	45.87	14 3.5	38 3
418	2017/10/6 23:56:40.77	E OFF FUKUSHIMA PREF	37	5.25	141	9.34	53 5.9	505 0.2
419	2017/10/18 8:48:52.73	S OFF URAKAWA	41	57.86	142	32.24	64 4.4	181 0.2
420	2017/11/6 13:34:58.36	SW OFF HOKKAIDO	41	50.86	139	24.96	20 3.8	88 2
421	2017/12/2 5:48:00.99	S OFF URAKAWA	42	2.22	142	30.33	67 4.9	180 1
422	2017/12/16 2:58:43.94	S OFF IWATE PREF	39	41.17	142	5.69	52 5.5	255 0.3
423	2018/1/6 22:45:25.34	E OFF AOMORI PREF	40	42.50	142	41.43	22 4.5	215 0.1
424	2018/1/14 18:07:33.17	S OFF URAKAWA	41	56.24	143	2.86	41 4.7	222 0.3
425	2018/1/24 19:51:19.50	E OFF AOMORI PREF	41	0.58	142	26.88	34 6.3	182 2
426	2018/1/28 4:43:28.61	NE OFF IWATE PREF	40	7.15	142	25.44	35 4.9	236 0.1
427	2018/1/31 5:11:48.31	S OFF URAKAWA	42	1.12	142	35.44	62 4.7	186 1
428	2018/3/9 18:15:50.77	SHIMOKITA PENINSULA REG	41	10.77	141	15.91	93 4.4	85 0.2
429	2018/3/12 15:40:04.62	E OFF AOMORI PREF	41	8.99	142	37.16	36 4.9	191 0.1
430	2018/3/22 8:15:06.44	S OFF TOMAKOMAI	42	14.78	141	27.49	98 4.1	112 0.3
431	2018/4/29 21:31:57.79	SHIMOKITA PENINSULA REG	41	10.82	140	57.86	7 3.3	65 0.3
432	2018/5/5 21:47:33.95	UCHIURA BAY REGION	41	58.00	141	0.41	12 3.1	64 0.3
433	2018/5/6 7:16:20.14	NORTHERN AKITA PREF	40	3.25	140	32.45	7 3.8	172 0.1
434	2018/5/7 5:00:48.42	NORTHERN IWATE PREF	39	35.72	141	9.68	98 5.1	231 0.3
435	2018/5/14 19:31:17.73	NE OFF IWATE PREF	40	3.57	142	41.11	29 5.1	256 0.2
436	2018/7/2 2:27:00.82	E OFF AOMORI PREF	41	29.61	142	3.82	64 4.9	138 0.4
437	2018/7/2 20:53:20.41	E OFF AOMORI PREF	41	11.75	142	42.05	39 5.0	196 0.3
438	2018/7/10 13:55:55.48	E OFF AOMORI PREF	41	32.92	142	4.47	68 4.9	138 0.3
439	2018/8/23 0:06:26.51	E OFF AOMORI PREF	41	18.99	142	39.04	35 4.9	189 0.2
440	2018/8/24 23:15:54.63	E OFF AOMORI PREF	41	5.64	142	37.51	32 5.1	193 0.2
441	2018/9/6 3:07:59.33	ISHIKARI DEPRESSION	42	41.45	142	0.40	37 6.7	179 5
442	2018/9/6 31:07:09.62	ISHIKARI DEPRESSION	42	38.43	141	57.61	29 4.7	172 0.2
443	2018/9/6 3:20:10.85	ISHIKARI DEPRESSION	42	34.70	141	56.50	31 5.5	166 0.5
444	2018/9/6 4:10:47.79	ISHIKARI DEPRESSION	42	41.55	141	59.31	31 4.7	178 0.1
445	2018/9/6 6:11:29.95	ISHIKARI DEPRESSION	42	40.97	142	0.71	36 5.4	178 1
446	2018/9/7 13:25:24.27	ISHIKARI DEPRESSION	42	42.72	141	58.23	33 4.5	178 0.2
447	2018/9/9 22:55:13.75	ISHIKARI DEPRESSION	42	46.87	141	59.02	35 4.9	184 0.3
448	2018/9/11 4:58:46.02	ISHIKARI DEPRESSION	42	42.79	142	0.30	31 4.5	180 0.2
449	2018/9/11 22:25:58.66	E OFF AOMORI PREF	41	14.88	142	22.51	47 5.0	168 0.2
450	2018/9/14 6:54:22.36	ISHIKARI DEPRESSION	42	40.64	141	57.14	26 4.6	174 0.2
451	2018/9/17 2:51:31.63	ISHIKARI DEPRESSION	42	43.08	141	51.77	28 4.6	172 0.4
452	2018/9/30 17:54:04.49	ISHIKARI DEPRESSION	42	32.99	141	59.38	37 4.9	167 0.3
453	2018/10/1 11:22:03.35	ISHIKARI DEPRESSION	42	47.64	142	0.60	35 4.7	187 0.1
454	2018/10/5 8:58:49.15	ISHIKARI DEPRESSION	42	35.56	141	57.90	31 5.2	169 0.3
455	2018/10/12 9:14:27.90	ISHIKARI DEPRESSION	42	35.55	141	56.82	23 4.6	168 0.2
456	2018/10/26 3:36:09.82	E OFF MIYAGI PREF	38	16.76	141	48.68	49 5.7	387 0.2
457	2018/10/29 23:29:02.31	W OFF AKITA PREF	40	19.35	139	3.94	18 4.3	182 0.2
458	2018/11/4 22:08:27.31	S OFF TOMAKOMAI	41	47.21	141	32.24	108 4.2	95 0.2
459	2018/11/8 7:35:23.90	TSUGURU PENINSULA REGION	41	1.54	140	42.39	16 3.6	68 0.5
460	2018/11/14 19:07:30.10	ISHIKARI DEPRESSION	42	41.88	141	57.92	32 4.7	177 0.2
461	2018/11/20 15:10:08.18	E OFF AOMORI PREF	41	28.28	141	51.70	28 4.1	121 0.3
462	2018/11/28 11:23:24.53	E OFF AOMORI PREF	41	20.21	143	13.36	11 5.7	236 1
463	2018/12/3 17:15:17.40	SHIMOKITA PENINSULA REG	40	51.99	141	25.08	87 4.6	117 0.2
464	2018/12/24 23:51:14.41	S OFF TOMAKOMAI	41	48.97	141	29.13	127 4.2	92 0.2
465	2018/12/30 4:08:30.99	HIDAKA MOUNTAINS REGION	42	19.68	143	6.82	51 5.3	238 0.4
466	2019/1/19 5:04:01.12	E OFF AOMORI PREF	40	44.34	142	33.87	29 4.9	204 0.2
467	2019/1/26 17:23:01.61	NE OFF IWATE PREF	40	16.84	142	19.6		



## 7. 北海道西部に位置するKiK-net観測点の観測記録一覧(OSMH01知内)

No.	地震発生日時	震源地名	北緯(度分)	東経(度分)	震源深さ (km)	M	震央距離 (km)	最大加速度 (Gal)		
473	2019/4/28 2:24:47.15	HIDAKA MOUNTAINS REGION	42	33.61	142	52.77	102	5.6	230	0.4
474	2019/6/18 22:22:19.98	IW OFF YAMAGATA PREF	38	36.48	139	28.76	14	6.7	342	1
475	2019/7/1 9:37:34.99	E OFF AOMORI PREF	41	8.91	142	16.96	51	5.2	164	0.2
476	2019/8/29 8:46:39.35	E OFF AOMORI PREF	40	58.84	143	1.68	21	6.1	229	1
477	2019/9/7 18:35:50.87	E OFF AOMORI PREF	41	34.33	142	4.20	64	5.0	138	0.5
478	2019/10/7 16:25:07.10	E OFF AOMORI PREF	41	44.45	142	17.15	66	4.0	156	0.2
479	2019/12/19 15:21:33.41	E OFF AOMORI PREF	40	30.79	142	10.71	50	5.5	191	1
480	2019/12/22 14:24:51.06	OSHIMA PEN REG HOKKAIDO	42	3.94	140	26.23	10	4.2	52	1
481	2020/2/13 19:33:45.11	SE OFF ETOROFU	45	3.38	149	9.72	155	7.2	806	1
482	2020/2/24 6:19:43.05	TSUGARU STRAIT REGION	41	35.80	140	45.49	11	3.3	28	1
483	2020/3/19 1:32:40.85	S OFF TOMAKOMAI	42	6.54	141	39.22	34	4.0	117	0.1
484	2020/3/28 9:57:51.76	S OFF URAKAWA	41	55.31	142	21.22	70	5.0	165	1
485	2020/4/12 22:11:49.96	E OFF AOMORI PREF	41	43.64	141	58.69	44	4.3	131	1
486	2020/4/20 5:39:05.21	KINKAZAN REGION	38	53.29	142	5.93	46	6.2	333	1
487	2020/4/24 4:52:26.61	E OFF AOMORI PREF	41	28.89	141	59.58	65	5.2	132	0.3
488	2020/4/30 12:15:20.92	E OFF AOMORI PREF	40	50.45	142	49.44	34	5.3	218	0.3
489	2020/5/17 12:29:54.34	UCHIURA BAY REGION	42	13.75	140	35.27	17	3.6	71	1
490	2020/5/31 3:13:49.22	SE OFF TOKACHI	42	31.35	143	42.14	94	5.6	290	0.2
491	2020/7/12 18:32:22.45	E OFF AOMORI PREF	40	52.94	143	9.30	22	4.9	243	0.1
492	2020/7/13 10:42:46.61	E OFF AOMORI PREF	41	2.42	142	47.12	31	4.9	207	0.2
493	2020/9/11 5:22:16.61	OSHIMA PEN REG HOKKAIDO	41	43.46	140	16.01	12	3.2	19	1
494	2020/9/12 11:44:09.69	E OFF MIYAGI PREF	38	43.37	142	16.26	43	6.2	356	0.5
495	2020/9/13 19:44:42.24	E OFF AOMORI PREF	40	41.72	142	40.60	41	4.7	214	0.1
496	2020/11/6 17:56:39.53	E OFF AOMORI PREF	40	55.99	143	14.83	17	5.7	248	1
497	2020/11/7 2:16:56.96	E OFF AOMORI PREF	40	57.46	143	14.35	18	5.3	247	0.2
498	2020/12/1 7:54:33.05	SOUTH SAKHALIN	48	5.86	141	10.84	619	6.7	725	0.4
499	2020/12/12 16:18:54.32	NE OFF IWATE PREF	40	5.67	142	6.52	48	5.6	219	1
500	2020/12/21 2:23:21.57	E OFF AOMORI PREF	40	46.91	142	41.51	43	6.5	211	2
501	2021/1/9 0:04:44.92	TSUGARU STRAIT REGION	41	31.31	141	20.46	93	3.5	77	0.3
502	2021/1/12 11:39:42.08	NW OFF SHAKOTAN PEN	43	38.27	139	59.16	235	6.0	229	0.2
503	2021/1/27 14:06:52.87	ISHIKARI DEPRESSION	42	42.61	142	1.24	128	5.4	181	0.3
504	2021/2/13 23:07:50.51	E OFF FUKUSHIMA PREF	37	43.73	141	41.91	55	7.3	443	3
505	2021/2/20 1:16:27.58	E OFF AOMORI PREF	40	42.30	142	49.46	34	5.0	225	0.2
506	2021/2/26 20:31:35.34	E OFF AOMORI PREF	41	3.65	142	5.28	65	4.5	152	0.4
507	2021/3/5 15:14:06.32	S OFF URAKAWA	41	59.23	142	32.23	65	4.4	181	0.2
508	2021/3/20 9:26:25.47	NE OFF IWATE PREF	40	7.60	142	24.54	39	4.8	234	0.1
509	2021/3/20 18:09:44.83	KINKAZAN REGION	38	28.08	141	37.66	59	6.9	362	1
510	2021/4/14 12:27:44.31	E OFF AOMORI PREF	41	30.24	142	2.47	56	4.4	136	0.2
511	2021/4/16 5:47:51.98	UCHIURA BAY REGION	42	18.30	140	33.49	18	4.4	79	2
512	2021/5/1 10:27:26.90	E OFF MIYAGI PREF	38	10.44	141	44.40	51	6.8	397	1
513	2021/5/14 8:58:14.20	E OFF FUKUSHIMA PREF	37	41.96	141	45.77	46	6.3	448	1
514	2021/5/16 12:23:54.11	SE OFF TOKACHI	42	6.04	144	28.49	8	6.1	341	0.2
515	2021/5/29 19:10:41.24	S OFF URAKAWA	42	2.76	142	39.17	63	4.9	192	0.3
516	2021/6/9 22:05:55.11	NE OFF IWATE PREF	40	5.46	142	25.71	38	5.0	238	0.2
517	2021/6/10 18:56:02.85	E OFF AOMORI PREF	40	59.66	142	24.94	47	4.6	180	0.2
518	2021/6/20 20:08:24.43	TAISETSU MOUNTAINS REG	43	28.67	142	41.09	158	5.4	280	0.3
519	2021/7/26 11:16:16.21	E OFF AOMORI PREF	41	28.74	142	8.23	52	5.2	144	1
520	2021/9/29 17:37:04.58	SEA OF JAPAN	38	47.85	135	39.02	394	6.1	511	0.3
521	2021/10/6 2:46:02.33	NE OFF IWATE PREF	40	0.43	142	15.29	56	5.9	235	1
522	2021/10/18 0:49:30.35	E OFF AOMORI PREF	40	56.53	142	13.07	61	4.6	167	0.3
523	2021/10/19 21:36:39.55	E OFF AOMORI PREF	41	32.53	142	54.36	38	5.4	207	1
524	2021/12/6 23:33:21.40	E OFF AOMORI PREF	41	29.58	142	3.57	55	4.3	137	0.2
525	2021/12/21 1:05:26.14	HIDAKA REGION	42	23.13	142	39.45	39	4.8	205	0.4

## 7. 北海道西部に位置するKiK-net観測点の観測記録一覧(OSMH02上磯)

No.	地震発生時刻	震央地名	北緯(度分)	東経(度分)	震源深さ (km)	M	震央距離 (km)	最大加速度 (Gal)
1	2000/12/22 19:13:02.71	NEAR ETOROFU ISLAND	44	28.12	147	24.56	141 6.1	624 1
2	2001/1/16 4:44:36.28	E OFF AOMORI PREF	41	29.67	142	0.47	63 4.1	121 1
3	2001/2/26 14:58:21.26	SOUTHERN SEA OF OKHOTSK	46	31.63	144	44.59	416 6.0	616 0.4
4	2001/3/23 20:30:10.44	SE OFF ETOROFU	43	49.09	147	56.55	0 6.0	637 0.4
5	2001/4/3 4:54:19.16	E OFF AOMORI PREF	40	36.78	141	55.27	63 5.6	174 1
6	2001/4/27 2:48:58.16	OFF NEMURO PENINSULA	43	1.67	145	52.52	80 5.9	451 1
7	2001/4/29 10:40:13.55	S OFF URAKAWA	42	1.23	142	32.02	57 4.3	159 0.2
8	2001/5/25 9:40:52.89	SE OFF ETOROFU	44	18.97	148	48.80	30 6.9	720 1
9	2001/7/5 22:12:04.99	OFF NEMURO PENINSULA	42	57.79	145	15.57	61 5.1	401 0.3
10	2001/8/14 5:11:24.94	E OFF AOMORI PREF	40	59.73	142	26.19	38 6.4	177 3
11	2001/8/16 5:32:46.54	S OFF URAKAWA	42	12.62	142	27.56	63 4.4	157 0.3
12	2001/8/24 18:48:01.73	E OFF AOMORI PREF	41	1.06	142	22.89	41 5.3	172 1
13	2001/9/29 2:07:18.61	S OFF URAKAWA	41	56.37	142	8.57	51 4.1	126 0.3
14	2001/10/4 2:25:13.33	KURILE ISLANDS REGION	46	17.03	149	7.68	324 5.9	840 0.4
15	2001/10/12 0:09:27.02	S OFF URAKAWA	41	58.19	142	31.31	63 4.2	157 0.3
16	2001/10/17 0:49:15.48	NW OFF SHAKOTAN PEN	43	3.63	139	11.58	32 4.7	180 0.2
17	2001/11/12 20:30:22.51	E OFF AOMORI PREF	41	20.13	142	8.35	56 4.5	137 0.3
18	2001/11/21 19:25:39.56	S OFF URAKAWA	42	0.66	142	35.41	60 4.6	163 1
19	2001/12/2 22:01:55.25	SOUTHERN IWATE PREF	39	23.90	141	15.79	122 6.4	276 2
20	2002/1/23 12:09:05.92	E OFF AOMORI PREF	41	14.10	142	14.14	57 4.1	150 0.2
21	2002/2/14 10:12:21.55	E OFF AOMORI PREF	41	27.98	142	3.75	64 5.1	126 1
22	2002/3/17 1:22:58.49	SE OFF TOKACHI	42	29.38	143	30.57	73 4.7	248 0.2
23	2002/4/4 8:42:14.83	E OFF AOMORI PREF	41	28.42	142	0.53	59 5.4	122 2
24	2002/4/21 6:30:32.11	E OFF AOMORI PREF	41	34.09	142	5.57	65 4.8	125 1
25	2002/5/30 14:07:45.14	E OFF AOMORI PREF	41	30.13	142	2.80	62 4.8	123 1
26	2002/6/29 2:19:33.01	NEAR VLADIVOSTOK	43	30.23	131	23.54	589 7.0	779 1
27	2002/7/10 23:48:43.89	E OFF URAKAWA	41	41.40	142	15.19	55 4.8	136 1
28	2002/7/25 21:31:01.45	E OFF HOKKAIDO	43	33.31	147	27.35	12 5.8	591 0.3
29	2002/7/28 20:31:29.87	HIDAKA MOUNTAINS REGION	42	19.11	143	4.10	52 5.0	208 1
30	2002/8/12 6:55:29.62	E OFF AOMORI PREF	41	5.18	142	38.00	26 5.1	187 0.4
31	2002/8/25 3:40:53.92	OFF NEMURO PENINSULA	43	5.40	146	7.17	44 6.0	472 0.3
32	2002/8/29 18:04:08.86	S OFF URAKAWA	41	55.70	142	19.31	67 4.7	141 0.4
33	2002/9/26 19:12:51.15	HIDAKA REGION	42	33.18	142	18.99	97 4.4	160 0.2
34	2002/10/14 23:12:43.45	E OFF AOMORI PREF	41	9.11	142	16.85	53 6.1	157 2
35	2002/10/19 5:26:49.07	S OFF URAKAWA	42	7.49	142	13.64	80 4.4	136 0.4
36	2002/11/3 10:52:13.48	E OFF AOMORI PREF	41	29.50	142	0.56	63 4.0	121 0.3
37	2002/11/3 12:37:43.62	KINKAZAN REGION	38	53.79	142	8.32	46 6.3	351 0.4
38	2002/11/17 13:53:56.11	SOUTHERN SEA OF OKHOTSK	47	7.66	146	49.64	496 7.0	767 1
39	2002/12/1 18:57:01.47	SE OFF TOKACHI	42	39.75	143	57.94	103 5.5	290 0.3
40	2002/12/19 21:19:17.79	E OFF AOMORI PREF	40	53.36	143	7.69	14 4.8	234 0.2
41	2003/1/6 13:42:52.60	E OFF AOMORI PREF	41	4.05	142	21.13	45 5.0	167 0.4
42	2003/1/28 20:09:45.13	E OFF AOMORI PREF	41	19.94	142	4.33	25 4.6	132 0.5
43	2003/2/3 4:25:32.34	S OFF URAKAWA	42	5.11	142	33.80	67 4.1	162 0.3
44	2003/2/19 14:01:41.24	RUMOI REGION	44	7.14	141	50.83	222 5.9	272 1
45	2003/2/24 2:00:08.85	S OFF URAKAWA	41	56.16	142	26.45	65 4.7	150 1
46	2003/3/3 7:46:47.67	E OFF FUKUSHIMA PREF	37	41.26	141	47.01	41 5.9	471 0.3
47	2003/4/17 2:59:53.69	E OFF AOMORI PREF	40	57.64	142	20.51	40 5.6	173 1
48	2003/4/29 22:53:17.25	E OFF HOKKAIDO	43	31.69	147	41.00	18 6.0	607 0.3
49	2003/5/16 18:01:05.22	TSUGARU STRAIT REGION	41	20.39	140	4.04	8 4.5	73 0.3
50	2003/5/26 18:24:33.42	NORTHERN MIYAGI PREF	38	49.26	141	39.04	72 7.1	346 3
51	2003/6/12 4:45:59.37	SW OFF HOKKAIDO	41	35.09	139	26.05	21 4.5	104 1
52	2003/6/18 13:35:54.19	HIDAKA MOUNTAINS REGION	42	20.74	143	4.25	51 4.2	209 0.2
53	2003/6/20 9:29:54.37	E OFF AOMORI PREF	40	48.90	143	24.00	26 5.1	258 0.3
54	2003/7/3 8:52:28.98	OFF NEMURO PENINSULA	42	22.30	144	57.23	33 5.9	362 0.3
55	2003/7/20 2:25:17.55	TSUGARU STRAIT REGION	41	27.66	140	17.15	9 4.1	51 1
56	2003/7/26 7:13:31.52	NORTHERN MIYAGI PREF	38	24.30	141	10.26	12 6.4	384 1
57	2003/7/27 15:25:34.26	SOUTHERN SIBERIA	46	49.17	139	8.86	487 7.1	566 1
58	2003/8/30 19:06:41.45	S OFF URAKAWA	41	48.94	142	40.26	55 5.4	169 0.5
59	2003/9/9 1:22:55.91	HIDAKA REGION	42	14.34	142	37.19	30 4.0	170 0.3

No.	地震発生時刻	震央地名	北緯(度分)	東経(度分)	震源深さ (km)	M	震央距離 (km)	最大加速度 (Gal)
60	2003/9/11 4:31:56.79	SE OFF TOKACHI	42	40.57	143	53.46	97 4.9	284 0.3
61	2003/9/26 4:50:07.42	SE OFF TOKACHI	41	46.71	144	4.71	45 8.0	286 16
62	2003/9/26 5:10:04.53	SE OFF ERIMOMISAKI	41	45.90	143	47.35	29 5.8	262 0.3
63	2003/9/26 5:57:14.41	SE OFF ERIMOMISAKI	41	42.28	143	47.37	40 5.6	263 0.2
64	2003/9/26 6:08:01.84	SE OFF ERIMOMISAKI	41	42.59	143	41.49	21 7.1	255 19
65	2003/9/26 11:35:13.33	SE OFF TOKACHI	41	58.16	144	33.56	39 5.8	326 0.2
66	2003/9/26 15:28:58.10	SE OFF TOKACHI	42	11.33	144	46.58	27 6.1	345 0.4
67	2003/9/27 5:38:22.31	SE OFF TOKACHI	42	1.55	144	43.68	34 6.0	340 0.3
68	2003/9/28 7:23:24.53	HIDAKA REGION	42	11.46	142	58.14	51 5.2	197 1
69	2003/9/29 11:36:55.06	SE OFF TOKACHI	42	21.58	144	33.18	43 6.5	329 1
70	2003/9/29 16:49:58.81	SE OFF TOKACHI	42	23.96	144	3.31	64 5.5	290 0.4
71	2003/9/29 23:22:15.84	SE OFF TOKACHI	42	4.99	144	28.86	39 5.7	320 0.3
72	2003/10/4 5:38:43.09	HIDAKA REGION	42	13.45	142	55.13	55 4.7	194 0.3
73	2003/10/4 23:41:10.60	E OFF AOMORI PREF	41	33.74	142	3.34	69 4.7	122 0.4
74	2003/10/7 1:27:54.53	S OFF URAKAWA	41	58.19	142	32.34	64 4.5	159 1
75	2003/10/8 18:06:56.79	SE OFF TOKACHI	42	33.92	144	40.19	51 6.4	343 0.5
76	2003/10/9 8:15:18.39	SE OFF TOKACHI	42	15.18	144	45.63	28 5.9	345 0.3
77	2003/10/11 9:08:48.15	SE OFF TOKACHI	41	51.83	144	26.39	28 6.1	316 0.4
78	2003/10/12 3:26:19.70	SE OFF TOKACHI	41	45.60	143	49.27	48 5.5	265 0.3
79	2003/10/23 11:27:46.13	EASTERN AOMORI PREF	40	58.10	140	46.98	13 3.6	97 0.4
80	2003/10/29 6:48:23.04	E OFF HOKKAIDO	43	36.24	147	43.94	31 6.0	613 0.5
81	2003/10/31 10:06:30.67	SE OFF MIYAGI PREF	37	49.93	142	41.76	33 6.8	478 1
82	2003/11/14 7:39:20.46	S OFF URAKAWA	41	50.20	142	11.87	70 4.8	130 2
83	2003/11/24 18:48:11.92	HIDAKA MOUNTAINS REGION	42	19.23	142	59.70	55 4.8	203 0.2
84	2003/11/24 21:18:17.69	HIDAKA MOUNTAINS REGION	42	19.02	143	0.15	52 5.3	203 2
85	2003/12/8 16:20:14.85	E OFF AOMORI PREF	41	11.30	142	3.26	58 4.9	139 0.3
86	2003/12/12 10:46:19.27	HIDAKA MOUNTAINS REGION	42	29.09	143	1.86	59 5.0	211 0.3
87	2003/12/17 20:52:14.05	OSHIMA PEN REG HOKKAIDO	41	55.88	140	45.32	12 3.6	15 10
88	2003/12/22 17:47:07.87	SE OFF TOKACHI	42	20.00	144	41.54	34 5.7	340 0.3
89	2003/12/29 10:30:55.40	SE OFF TOKACHI	42	25.16	144	45.35	39 6.0	347 0.4
90	2004/2/4 15:08:26.56	NORTHERN IWATE PREF	40	8.62	141	53.73	63 5.3	216 0.3
91	2004/2/15 21:52:53.46	HIDAKA MOUNTAINS REGION	42	21.39	143	6.87	51 4.8	213 0.3
92	2004/3/18 16:04:34.38	SE OFF TOKACHI	42	18.59	144	43.21	32 5.3	342 0.2
93	2004/4/12 3:06:12.69	OFF NEMURO PENINSULA	42	49.93	144	59.65	47 5.8	376 0.4
94	2004/4/23 7:16:35.48	E OFF AOMORI PREF	40	44.45	142	29.08	66 4.9	197 0.5
95	2004/6/7 13:14:14.95	SE OFF TOKACHI	42	32.50	144	25.88	78 4.9	323 0.3
96	2004/6/11 3:12:10.10	HIDAKA MOUNTAINS REGION	42	19.30	143	7.85	48 5.2	214 1
97	2004/7/3 3:59:28.86	E OFF AOMORI PREF	40	53.85	143	14.38	23 5.2	242 0.2
98	2004/7/4 21:31:13.98	S OFF URAKAWA	42	2.99	142	29.08	62 4.9	155 1
99	2004/7/20 5:58:40.27	HIDAKA MOUNTAINS REGION	42	31.81	143	5.83	98 5.0	218 0.4
100	2004/7/21 9:11:27.33	E OFF AOMORI PREF	40	51.54	143	23.68	37 5.5	255 0.4
101	2004/7/21 9:38:19.64	E OFF AOMORI PREF	40	52.04	143	17.65	30 5.4	247 1
102	2004/7/26 3:33:58.48	E OFF AOMORI PREF	41	2.28	142	7.38	64 4.3	153 0.3
103	2004/8/10 15:13:30.98	E OFF IWATE PREF	39	40.44	142	7.93	48 5.8	272 1
104	2004/8/10 22:49:23.01	SW OFF HOKKAIDO	41	43.04	139	20.99	23 4.5	108 1
105	2004/9/4 11:18:38.14	SHIMOKITA PENINSULA REG	41	15.69	140	48.98	14 3.8	66 0.5
106	2004/9/5 3:25:29.79	S OFF URAKAWA	41	55.84	142	17.85	69 4.5	139 0.3
107	2004/9/8 20:59:32.20	SHIMOKITA PENINSULA REG	41	15.67	140	48.99	12 3.7	66 1
108	2004/9/9 23:36:55.04	E OFF URAKAWA	41	56.08	142	18.84	68 4.6	140 0.3
109	2004/9/10 13:22:11.33	HIDAKA MOUNTAINS REGION	42	21.39	143	6.14	51 5.1	212 1
110	2004/9/22 20:03:52.19	E OFF AOMORI PREF	41	22.64	141	33.78	109 4.8	93 0.4
111	2004/10/4 8:41:22.86	E OFF URAKAWA	41	58.89	142	33.58	62 4.2	161 0.3
112	2004/10/8 4:26:45.04	HIDAKA MOUNTAINS REGION	42	20.58	143	7.06	50 5.1	213 0.4
113	2004/10/9 14:44:30.44	S OFF TOMAKOMAI	42	19.43	141	30.44	99 4.1	90 0.3
114	2004/10/20 11:16:10.38	TSUGARU STRAIT REGION	41	32.17	141	19.49	8 3.	

# 7. 北海道西部に位置するKiK-net観測点の観測記録一覧(OSMH02上磯)

No.	地震発生時刻	震央地名	北緯(度分)	東経(度分)	震源深さ (km)	M	震央距離 (km)	最大加速度 (Gal)
119	2004/12/5 14:26:33.62	E OFF AOMORI PREF	40 58.41	142 0.36	56 4.3	150	0.3	
120	2004/12/6 4:45:30.82	E OFF AOMORI PREF	41 29.47	142 3.41	65 4.6	125	1	
121	2004/12/6 23:15:11.81	OFF NEMURO PENINSULA	42 50.86	145 20.57	46 6.9	404	3	
122	2004/12/13 4:41:38.38	E OFF AOMORI PREF	41 29.25	142 1.25	63 4.2	122	0.3	
123	2004/12/19 6:32:23.96	HIDAKA REGION	42 11.93	142 58.30	50 4.5	198	0.4	
124	2004/12/22 0:34:28.20	OFF NEMURO PENINSULA	42 55.60	145 30.54	45 5.7	419	0.4	
125	2005/1/6 22:00:38.97	E OFF AOMORI PREF	41 27.44	142 6.24	61 5.3	130	1	
126	2005/1/9 19:30:28.35	S OFF URAKAWA	42 2.46	142 26.86	68 4.1	152	0.3	
127	2005/1/18 23:09:06.65	OFF NEMURO PENINSULA	42 52.54	145 0.44	50 6.4	378	1	
128	2005/1/31 18:39:48.38	SE OFF TOKACHI	41 45.84	143 49.09	48 5.4	265	0.3	
129	2005/2/12 11:30:15.45	HIDAKA MOUNTAINS REGION	42 20.19	143 0.20	55 4.4	204	0.3	
130	2005/2/26 21:37:38.45	E OFF AOMORI PREF	40 41.12	142 35.77	45 5.7	208	1	
131	2005/3/12 17:54:01.66	S OFF URAKAWA	42 3.16	142 34.11	46 4.2	162	1	
132	2005/6/3 1:32:09.88	E OFF AOMORI PREF	41 29.59	142 0.20	63 4.3	120	1	
133	2005/8/16 11:46:25.74	E OFF MIYAGI PREF	38 8.97	142 16.67	42 7.2	433	2	
134	2005/8/24 19:15:29.62	FAR E OFF MIYAGI PREF	38 26.67	143 5.10	14 6.3	431	0.3	
135	2005/8/31 3:10:40.29	FAR E OFF MIYAGI PREF	38 24.69	143 28.83	22 6.3	451	0.2	
136	2005/9/3 1:24:43.15	E OFF AOMORI PREF	41 28.87	141 58.58	64 4.9	119	1	
137	2005/9/21 11:25:08.67	NEAR KUNASHIRI ISLAND	43 42.58	146 23.88	103 6.0	515	0.4	
138	2005/10/18 1:13:40.69	W OFF AOMORI PREF	40 44.93	139 9.32	12 5.4	173	1	
139	2005/10/20 10:24:29.42	SW OFF HOKKAIDO	41 59.13	139 50.95	13 3.8	67	1	
140	2005/11/7 19:35:49.24	NE OFF IWATE PREF	40 5.91	142 49.22	24 4.9	267	0.2	
141	2005/11/15 6:38:51.38	FAR E OFF NORTH HONSHU	38 1.63	144 56.68	45 7.2	561	1	
142	2005/11/26 15:44:28.96	SW OFF HOKKAIDO	41 53.84	139 12.47	18 4.2	119	0.3	
143	2005/12/2 12:13:07.90	E OFF MIYAGI PREF	38 4.36	142 21.21	40 6.6	443	0.4	
144	2005/12/13 6:01:37.58	NW OFF SHAKOTAN PEN	43 12.51	139 24.84	29 5.5	182	1	
145	2005/12/17 3:32:13.41	E OFF MIYAGI PREF	38 26.92	142 10.88	40 6.1	399	0.2	
146	2006/1/3 21:26:00.49	E OFF AOMORI PREF	41 19.16	142 39.38	35 4.7	178	0.3	
147	2006/2/24 17:51:51.34	TSUGARU STRAIT REGION	41 33.07	140 42.27	16 3.6	32	0.4	
148	2006/4/9 9:37:10.94	E OFF AOMORI PREF	41 35.92	142 50.32	51 4.6	185	0.3	
149	2006/4/13 13:27:22.93	S OFF URAKAWA	41 45.36	142 53.63	43 5.3	188	0.4	
150	2006/4/17 12:04:50.47	E OFF AOMORI PREF	41 34.24	142 2.72	67 4.0	121	0.3	
151	2006/4/26 23:10:36.97	S OFF URAKAWA	42 1.97	142 35.60	61 4.6	164	0.4	
152	2006/6/12 8:04:19.53	E OFF AOMORI PREF	41 29.93	142 2.18	72 4.4	123	1	
153	2006/6/17 3:29:29.22	SOUTHERN SEA OF OKHOTSK	46 13.77	144 43.90	387 5.5	588	0.2	
154	2006/6/17 5:19:17.12	FAR E OFF SANRIKU	40 22.32	143 46.21	22 5.6	310	0.2	
155	2006/7/6 2:08:39.75	NE OFF IWATE PREF	40 9.02	142 25.85	36 5.4	241	0.3	
156	2006/10/16 11:51:23.51	E OFF AOMORI PREF	41 1.23	142 24.69	35 4.5	174	0.4	
157	2006/11/1 23:21:37.24	HIDAKA MOUNTAINS REGION	42 19.82	143 7.24	49 4.8	213	0.5	
158	2006/12/9 23:48:51.98	SOUTHERN SEA OF OKHOTSK	46 53.18	147 29.55	438 5.9	783	1	
159	2007/1/13 13:23:10.03	FAR FIELD	46 56.27	155 3.13	30 8.2	1278	0.4	
160	2007/1/16 21:52:36.95	E OFF AOMORI PREF	41 10.86	142 42.85	30 5.0	188	0.2	
161	2007/2/17 9:02:56.63	SE OFF ERIMOMISAKI	41 43.91	143 43.36	40 6.2	257	1	
162	2007/3/9 12:22:42.90	NEAR VLADIVOSTOK	43 0.87	134 17.39	501 6.2	538	0.2	
163	2007/3/12 20:32:09.47	ISHIKARI DEPRESSION	42 43.18	141 37.28	145 4.5	127	0.5	
164	2007/3/15 14:43:11.45	SE OFF TOMAKOMAI	41 56.51	141 23.31	123 4.5	64	0.2	
165	2007/3/25 9:41:57.91	OFF NOTO PENINSULA	37 13.24	136 41.16	11 6.9	615	0.3	
166	2007/4/19 0:07:31.07	ISHIKARI DEPRESSION	42 40.24	141 56.80	126 5.6	143	1	
167	2007/4/27 1:37:57.20	SE OFF TOKACHI	42 22.43	143 36.36	58 5.2	253	0.3	
168	2007/4/28 7:44:09.59	S OFF URAKAWA	41 57.64	142 19.63	69 4.1	141	0.2	
169	2007/5/7 23:09:37.48	S OFF URAKAWA	41 53.36	142 29.77	64 4.3	155	1	
170	2007/5/16 5:21:00.79	E OFF AOMORI PREF	41 26.52	142 11.44	42 4.5	137	0.3	
171	2007/5/19 0:59:57.54	E OFF AOMORI PREF	41 33.77	142 3.17	68 5.3	122	1	
172	2007/6/23 7:20:04.28	HIDAKA REGION	42 32.32	142 11.08	125 4.9	150	1	
173	2007/6/23 16:15:30.65	S OFF TOMAKOMAI	41 53.22	141 23.08	126 4.3	63	0.3	
174	2007/7/1 13:12:06.96	NEMURO REGION	43 32.61	144 54.51	132 5.8	398	0.4	
175	2007/7/10 13:15:25.71	SW OFF HOKKAIDO	41 51.53	139 29.08	15 4.5	95	2	
176	2007/7/16 23:17:36.96	NW OFF KINKI DISTRICT	36 51.96	135 6.27	374 6.7	729	1	
177	2007/8/22 16:26:23.42	OSHIMA PEN REG HOKKAIDO	41 58.43	140 48.07	122 5.4	21	1	

No.	地震発生時刻	震央地名	北緯(度分)	東経(度分)	震源深さ (km)	M	震央距離 (km)	最大加速度 (Gal)
178	2007/9/10 14:29:00.04	S OFF URAKAWA	41 59.37	142 34.03	63 4.5	161	1	
179	2007/10/9 2:10:35.42	OFF NEMURO PENINSULA	43 21.17	146 43.59	40 5.8	528	0.3	
180	2007/11/17 14:56:28.36	S OFF URAKAWA	42 1.23	142 16.24	71 3.8	137	0.3	
181	2007/11/26 22:51:37.56	E OFF FUKUSHIMA PREF	37 18.24	141 45.41	44 6.0	512	0.3	
182	2007/11/27 19:22:01.41	S OFF URAKAWA	41 55.03	142 19.31	73 4.3	140	0.2	
183	2007/12/23 18:53:10.22	E OFF AOMORI PREF	41 29.94	142 2.41	64 4.5	123	0.4	
184	2007/12/27 22:40:28.29	OSHIMA PEN REG HOKKAIDO	41 53.56	140 40.63	10 2.8	7	6	
185	2007/12/28 10:51:38.65	S OFF URAKAWA	42 1.27	142 33.50	50 4.3	161	1	
186	2008/1/2 1:20:07.94	HIDAKA MOUNTAINS REGION	42 20.74	143 4.01	51 4.2	209	0.2	
187	2008/1/13 21:04:04	OSHIMA PEN REG HOKKAIDO	42 26.19	140 15.47	11 4.1	73	1	
188	2008/1/21 12:21:20.90	E OFF AOMORI PREF	41 11.32	142 3.41	58 4.3	139	0.2	
189	2008/1/23 4:34:46.08	HIDAKA MOUNTAINS REGION	42 19.30	143 3.62	50 4.9	208	1	
190	2008/4/12 9:46:27.73	E OFF HOKKAIDO	43 35.20	147 33.64	40 5.5	600	0.1	
191	2008/4/17 4:19:36.80	SOUTHERN AKITA PREF	39 2.51	140 14.07	166 5.8	312	0.2	
192	2008/4/29 14:26:05.32	E OFF AOMORI PREF	41 27.78	142 6.50	62 5.7	130	4	
193	2008/5/8 1:02:00.30	FAR E OFF IBARAKI PREF	36 13.87	141 56.92	60 6.4	633	0.2	
194	2008/5/8 14:5:18.77	FAR E OFF IBARAKI PREF	36 13.69	141 36.46	51 7.0	628	1	
195	2008/5/10 9:00:53.92	E OFF AOMORI PREF	41 27.34	142 4.97	62 4.8	128	1	
196	2008/5/14 3:00:12.87	E OFF AOMORI PREF	41 29.45	142 0.28	63 4.2	121	1	
197	2008/5/23 2:40:01.23	E OFF AOMORI PREF	41 33.97	142 2.91	67 4.3	122	0.1	
198	2008/5/31 23:28:34.20	NE OFF IWATE PREF	40 3.76	142 43.29	28 5.0	264	0.2	
199	2008/6/5 2:03:06.08	SW OFF HOKKAIDO	41 31.59	139 13.28	201 5.7	123	0.2	
200	2008/6/14 8:43:45.36	SOUTHERN IWATE PREF	39 1.79	140 52.84	8 7.2	312	2	
201	2008/6/14 8:46:34.94	SOUTHERN IWATE PREF	39 6.32	140 52.02	12 4.5	304	0.4	
202	2008/6/26 8:37:11.17	S OFF URAKAWA	41 49.54	142 40.36	55 5.4	169	0.5	
203	2008/7/19 11:39:28.69	E OFF FUKUSHIMA PREF	37 31.25	142 15.87	32 6.9	499	1	
204	2008/7/21 20:30:26.66	E OFF FUKUSHIMA PREF	37 8.19	142 20.47	27 6.1	542	0.4	
205	2008/7/24 0:26:19.69	NORTHERN IWATE PREF	39 43.92	141 38.12	108 6.8	249	4	
206	2008/7/24 11:27:53.96	NORTHERN IWATE PREF	39 37.20	141 31.31	112 4.8	257	0.3	
207	2008/8/9 0:53:10.80	E OFF AOMORI PREF	41 8.56	142 17.08	51 5.4	158	1	
208	2008/8/9 9:54:35.74	S OFF URAKAWA	41 58.35	142 32.19	65 4.5	159	1	
209	2008/9/1 14:41:16.54	ISHIKARI DEPRESSION	42 35.40	141 43.65	133 4.5	123	0.2	
210	2008/9/2 17:17:01.40	HIDAKA MOUNTAINS REGION	42 48.78	142 47.18	84 4.2	208	0.1	
211	2008/9/6 15:20:43.16	S OFF TOMAKOMAI	41 46.43	141 42.19	77 3.8	89	0.2	
212	2008/9/11 9:20:51.35	SE OFF TOKACHI	41 46.53	144 9.99	31 7.1	292	2	
213	2008/9/18 18:29:58.68	NE OFF HOKKAIDO	45 56.51	143 38.21	348 5.4	516	0.4	
214	2008/9/22 16:31:58.54	TSUGARU STRAIT REGION	41 32.28	140 33.93	152 5.6	34	0.4	
215	2008/9/27 1:53:23.61	E OFF AOMORI PREF	40 29.43	142 55.27	17 5.0	243	0.2	
216	2008/10/4 4:22:57.22	S OFF URAKAWA	41 54.50	142 20.94	68 4.0	143	0.4	
217	2008/10/9 2:52:43.11	E OFF AOMORI PREF	41 4.15	142 26.42	34 4.5	173	0.2	
218	2008/10/11 4:27:33.38	E OFF AOMORI PREF	41 29.00	142 0.77	63 4.4	121	0.4	
219	2008/10/16 20:49:30.43	HIDAKA MOUNTAINS REGION	42 38.26	142 46.25	107 4.2	198	0.3	
220	2008/11/17 19:09:54.07	E OFF AOMORI PREF	40 51.12	142 29.62	72 4.3	190	0.2	
221	2008/11/28 13:59:03.39	SW OFF HOKKAIDO	42 9.54	139 8.91	19 3.9	128	0.2	
222	2008/12/4 8:16:53.20	FAR E OFF MIYAGI PREF	38 31.60	143 13.03	24 6.1	428	0.2	
223	2008/12/19 15:52:59.17	E OFF AOMORI PREF	40 58.29	142 0.32	56 4.1	150	0.1	
224	2008/12/20 19:29:16.75	FAR E OFF KANTO	36 31.85	142 42.90	0 6.6	616	0.2	
225	2009/1/1 8:49:56.89	S OFF URAKAWA	42 5.50	142 34.18	66 4.0	163	0.3	
226	2009/1/11 4:27:37.25	OFF TOKACHI REGION	42 53.56	143 7.64	88 4.5	237	0.2	
227	2009/1/16 2:49:37.18	FAR FIELD	46 59.74	155 10.08	30 7.4	1289	0.3	
228	2009/2/1 6:51:51.89	E OFF IBARAKI PREF	36 43.02	141 16.76	47 5.8	571	0.2	
229	2009/2/4 2:01:57.69	SW OFF HOKKAIDO	41 32.83	139 57.38	10 3.9	65	0.3	
230	2009/2/15 18:24:32.25	NE OFF IWATE PREF	40 15.01	142 25.41	36 5.9	232	1	
231	2009/2/28 9:35:55.09	HIDAKA REGION	42 35.04					

## 7. 北海道西部に位置するKiK-net観測点の観測記録一覧(OSMH02上磯)

No.	地震発生時刻	震央地名	北緯(度分)	東経(度分)	震源深さ (km)	M	震央距離 (km)	最大加速度 (Gal)
237	2009/5/10 11:30:08.31	HIDAKA REGION	42 25.34	142 25.44	102	4.2	162	0.4
238	2009/5/20 4:42:36.40	SW OFF HOKKAIDO	42 5.81	139 19.32	11	3.8	112	0.2
239	2009/5/25 1:06:58.47	KAMIKAWA-SORACHI REGION	42 47.51	142 17.72	28	3.9	173	0.1
240	2009/5/26 19:31:19.79	S OFF URAKAWA	41 55.74	142 21.14	70	4.7	143	1
241	2009/6/5 12:30:33.80	SE OFF ERIMOMISAKI	41 48.74	143 37.22	31	6.4	248	1
242	2009/6/12 6:31:57.41	TSUGARU STRAIT REGION	41 27.88	141 29.15	79	3.6	82	0.1
243	2009/6/15 3:32:22.18	E OFF AOMORI PREF	40 55.40	141 54.68	93	4.0	147	0.1
244	2009/6/23 16:37:17.26	E OFF MIYAGI PREF	38 53.75	142 31.96	39	5.6	364	0.2
245	2009/6/28 6:55:19.81	E OFF AOMORI PREF	41 35.56	141 55.44	64	3.7	111	0.3
246	2009/7/11 0:01:37.01	S OFF TOMAKOMAI	42 29.28	141 22.67	134	4.7	95	0.4
247	2009/7/28 20:52:50.96	OSHIMA PEN REG HOKKAIDO	41 25.06	140 6.53	8	4.0	64	0.3
248	2009/8/9 19:55:52.13	FAR S OFF TOKAI DISTRICT	33 7.68	138 24.24	333	6.8	986	0.2
249	2009/8/24 14:26:16.69	TSUGARU PENINSULA REGION	41 3.66	140 14.63	172	5.4	92	0.4
250	2009/8/25 2:22:49.39	S OFF URAKAWA	42 8.93	142 47.90	32	4.5	183	0.3
251	2009/9/8 1:24:26.62	HIDAKA REGION	42 11.58	142 58.32	51	4.8	198	1
252	2009/9/13 17:37:10.34	E OFF AOMORI PREF	41 16.52	142 42.74	27	4.5	184	0.4
253	2009/9/18 15:36:26.63	E OFF AOMORI PREF	41 33.28	142 3.93	67	4.2	123	0.2
254	2009/9/28 12:08:32.10	S OFF URAKAWA	42 6.15	142 30.62	46	4.3	158	0.1
255	2009/9/30 2:21:43.37	E OFF AOMORI PREF	41 29.63	142 4.18	63	4.3	126	0.4
256	2009/10/5 9:35:12.73	S OFF TOMAKOMAI	42 27.24	141 33.52	20	4.7	103	2
257	2009/10/10 17:42:48.49	E OFF AOMORI PREF	41 43.20	142 13.52	92	5.1	133	2
258	2009/10/31 2:42:07.68	E OFF AOMORI PREF	41 4.90	142 48.94	14	4.5	201	0.1
259	2009/11/3 13:50:17.35	EASTERN AOMORI PREF	40 30.53	141 32.22	79	3.7	166	0.2
260	2009/11/10 3:01:51.40	S OFF URAKAWA	41 55.22	142 18.66	69	4.4	140	0.2
261	2009/12/17 4:04:01.03	SHIMOKITA PENINSULA REG	41 9.57	141 31.16	90	3.9	106	0.1
262	2009/12/20 23:30:25.33	E OFF AOMORI PREF	40 59.51	143 16.16	44	4.7	240	0.2
263	2009/12/24 9:23:35.57	SEA OF JAPAN	42 7.01	135 2.89	387	6.1	464	0.4
264	2009/12/28 9:12:49.41	KUSHIRO REGION	43 10.46	144 38.67	85	5.0	362	0.3
265	2009/12/30 4:23:03.44	S OFF URAKAWA	41 50.28	142 12.17	72	4.8	130	1
266	2010/1/7 5:39:38.93	S OFF URAKAWA	41 57.38	142 19.77	69	4.1	141	0.2
267	2010/1/15 3:46:25.57	HIDAKA MOUNTAINS REGION	42 21.16	143 7.08	51	5.0	213	1
268	2010/1/24 16:19:05.65	E OFF AOMORI PREF	41 12.59	141 38.71	14	4.5	110	1
269	2010/1/28 10:13:16.47	NEAR VLADIVOSTOK	42 37.22	131 3.81	619	6.8	794	0.3
270	2010/3/14 10:59:19.08	S OFF TOMAKOMAI	41 58.69	141 19.45	94	4.3	59	0.2
271	2010/3/14 17:08:04.18	E OFF FUKUSHIMA PREF	37 43.45	141 49.08	40	6.7	468	1
272	2010/3/30 10:02:51.11	EASTERN SEA OF JAPAN	43 11.50	138 34.70	25	5.8	226	1
273	2010/6/5 14:22:03.29	E OFF HOKKAIDO	43 16.21	146 52.10	62	5.5	536	0.2
274	2010/6/13 12:32:57.02	E OFF FUKUSHIMA PREF	37 23.76	141 47.74	40	6.2	503	0.3
275	2010/6/18 11:23:00.89	SE OFF ETOROFU	44 35.85	149 11.79	30	6.5	760	0.5
276	2010/6/19 19:00:49.50	E OFF AOMORI PREF	41 18.41	142 39.97	33	4.9	180	0.4
277	2010/6/28 6:03:25.38	E OFF AOMORI PREF	41 37.56	141 49.99	57	5.1	103	1
278	2010/7/2 21:30:06.78	S OFF URAKAWA	41 58.65	142 34.21	63	4.2	161	1
279	2010/7/5 6:55:52.36	E OFF IWATE PREF	39 39.43	142 39.17	34	6.4	296	1
280	2010/8/10 14:50:34.64	FAR E OFF SANRIKU	39 20.92	143 29.68	30	6.3	367	0.5
281	2010/8/14 13:25:07.91	KAMIKAWA-SORACHI REGION	42 49.33	142 20.47	109	4.6	178	0.3
282	2010/8/31 11:30:31.56	W OFF AOMORI PREF	40 24.17	139 10.48	33	4.9	201	0.1
283	2010/9/13 14:47:48.01	E OFF AOMORI PREF	41 27.36	142 7.31	63	5.8	131	3
284	2010/9/28 11:33:38.72	NEMURO REGION	43 30.05	145 45.59	59	5.3	459	0.2
285	2010/9/28 10:44:00.22	S OFF URAKAWA	42 0.21	142 35.27	61	4.1	163	0.1
286	2010/10/6 7:35:58.08	E OFF AOMORI PREF	41 29.50	142 0.58	63	4.1	121	0.3
287	2010/10/11 23:10:32.67	SHIMOKITA PENINSULA REG	41 5.99	141 17.95	88	4.2	99	0.1
288	2010/10/14 22:58:55.50	HIDAKA MOUNTAINS REGION	42 18.77	143 4.17	53	5.5	208	1
289	2010/11/3 3:10:11.85	SOUTHERN SEA OF OKHOTSK	46 28.95	147 14.92	392	5.4	739	0.2
290	2010/11/4 5:33:48.14	S OFF URAKAWA	42 12.55	142 29.88	36	4.4	160	1
291	2010/11/22 5:47:50.98	E OFF AOMORI PREF	41 36.96	141 51.58	66	3.6	105	0.1
292	2010/11/30 12:24:39.47	W OFF OGASAWARA	28 21.50	139 35.33	494	7.1	1498	0.1
293	2010/12/2 6:44:02.54	ISHIKARI DEPRESSION	42 58.67	141 26.46	3	4.6	143	0.2
294	2010/12/6 16:30:29.85	E OFF AOMORI PREF	40 47.95	143 13.10	7	5.8	245	1
295	2010/12/15 16:37:19.98	E OFF AOMORI PREF	41 1.78	142 48.55	23	4.7	203	0.4

No.	地震発生時刻	震央地名	北緯(度分)	東経(度分)	震源深さ (km)	M	震央距離 (km)	最大加速度 (Gal)
296	2011/1/11 14:11:42.47	HIDAKA REGION	42 36.10	142 8.56	133	4.1	151	0.1
297	2011/1/22 14:49:02.48	HIDAKA MOUNTAINS REGION	42 19.22	142 59.79	53	4.4	203	0.3
298	2011/3/9 11:45:12.97	FAR E OFF MIYAGI PREF	38 19.71	143 16.79	8	7.3	450	3
299	2011/3/9 11:57:10.73	FAR E OFF MIYAGI PREF	38 19.34	143 23.84	12	6.2	456	0.2
300	2011/3/9 13:36:59.15	FAR E OFF MIYAGI PREF	38 36.39	143 14.93	11	6.1	422	0.3
301	2011/3/10 3:16:14.18	FAR E OFF MIYAGI PREF	38 16.27	142 52.73	29	6.4	440	0.3
302	2011/3/10 3:44:35.75	FAR E OFF MIYAGI PREF	38 28.77	143 25.97	96	6.3	443	0.2
303	2011/3/10 6:23:59.75	FAR E OFF MIYAGI PREF	38 10.33	143 2.89	9	6.8	456	1
304	2011/3/11 14:46:18.12	FAR E OFF MIYAGI PREF	38 6.21	142 51.66	24	9.0	456	9
305	2011/3/11 15:08:53.46	E OFF IWATE PREF	39 49.24	142 46.01	32	7.4	287	7
306	2011/3/11 15:25:44.33	FAR E OFF NORTH HONSHU	37 54.86	144 45.06	11	7.5	560	2
307	2011/3/11 16:28:59.83	E OFF IWATE PREF	39 1.35	142 18.67	17	6.6	343	1
308	2011/3/11 17:40:54.53	E OFF FUKUSHIMA PREF	37 25.44	141 16.39	30	6.0	493	0.3
309	2011/3/11 20:36:39.99	NE OFF IWATE PREF	39 13.81	142 34.72	24	6.7	333	2
310	2011/3/12 4:46:46.19	W OFF AKITA PREF	40 23.65	139 5.34	4	6.4	206	4
311	2011/3/12 15:18:39.53	E OFF IWATE PREF	39 9.49	142 42.28	44	5.5	345	0.2
312	2011/3/12 19:53:28.46	E OFF MIYAGI PREF	38 59.88	142 32.26	20	5.8	354	0.3
313	2011/3/12 22:15:41.76	E OFF FUKUSHIMA PREF	37 11.85	141 25.58	40	6.2	520	0.5
314	2011/3/12 23:43:05.97	E OFF IWATE PREF	39 28.22	142 41.73	9	5.9	315	1
315	2011/3/13 8:24:46.90	SE OFF MIYAGI PREF	38 0.72	141 56.90	15	6.2	439	0.3
316	2011/3/14 15:12:33.99	SE OFF MIYAGI PREF	37 48.28	142 35.26	7	6.5	478	0.2
317	2011/3/17 13:13:57.35	NE OFF IWATE PREF	40 7.58	142 24.69	31	5.9	242	1
318	2011/3/17 21:54:53.66	E OFF IBARAKI PREF	36 44.26	141 18.56	47	5.7	569	0.2
319	2011/3/19 8:32:59.82	E OFF IWATE PREF	39 11.12	142 25.26	37	5.7	331	0.2
320	2011/3/19 18:56:48.06	NORTHERN IBARAKI PREF	36 47.02	140 34.29	5	6.1	561	0.2
321	2011/3/20 21:03:47.52	E OFF IWATE PREF	39 20.66	142 2.90	48	5.9	302	0.3
322	2011/3/22 16:18:40.84	FAR E OFF NORTH HONSHU	37 5.16	144 14.88	28	6.7	612	0.2
323	2011/3/22 18:19:05.28	E OFF FUKUSHIMA PREF	37 18.95	141 54.62	43	6.4	514	0.3
324	2011/3/22 18:44:25.48	FAR E OFF SANRIKU	39 55.16	143 39.66	0	6.5	332	0.4
325	2011/3/23 0:49:27.43	E OFF IWATE PREF	39 13.36	142 23.99	34	5.2	327	0.1
326	2011/3/24 17:20:58.62	E OFF IWATE PREF	39 4.60	142 21.46	34	6.2	340	0.2
327	2011/3/25 20:36:24.28	E OFF MIYAGI PREF	38 43.75	142 6.43	45	6.3	367	0.4
328	2011/3/28 7:23:57.02	E OFF MIYAGI PREF	38 23.02	142 20.78	32	6.5	410	1
329	2011/3/29 19:54:30.44	SE OFF MIYAGI PREF	37 24.52	142 28.18	13	6.6	516	0.3
330	2011/3/31 16:15:29.67	KINKAZU REGION	38 52.34	142 5.06	47	6.1	352	1
331	2011/4/1 19:49:44.12	NORTHERN AKITA PREF	40 15.41	140 21.84	12	5.0	177	1
332	2011/4/1 20:57:54.60	E OFF IWATE PREF	39 20.18	142 9.97	45	6.0	307	1
333	2011/4/7 23:32:43.46	E OFF MIYAGI PREF	38 12.25	141 55.21	66	7.2	418	4
334	2011/4/11 17:16:12.02	EASTERN FUKUSHIMA PREF	36 56.74	140 40.36	6	7.0	543	1
335	2011/4/12 14:07:42.28	EASTERN FUKUSHIMA PREF	37 3.15	140 38.61	15	6.4	531	0.2
336	2011/4/13 4:37:48.46	E OFF IWATE PREF	39 20.62	142 3.88	48	5.5	302	0.2
337	2011/4/14 4:57:18.53	FAR E OFF SANRIKU	39 38.89	143 48.53	0	6.3	362	0.3
338	2011/4/19 2:26:06.21	E OFF AOMORI PREF	41 29.06	142 0.37	63	4.0	121	0.2
339	2011/4/23 19:12:46.20	FAR E OFF SANRIKU	39 7.95	143 0.08	35	6.1	367	0.2
340	2011/4/26 8:26:34.12	S OFF URAKAWA	42 1.41	142 35.56	61	4.6	164	1
341	2011/4/28 18:27:46.79	E OFF FUKUSHIMA PREF	37 24.80	141 46.89	44	5.7	501	0.1
342	2011/4/29 9:00:51.53	SW OFF HOKKAIDO	42 6.72	139 11.98	18	3.9	123	0.3
343	2011/5/3 6:25:47.99	NE OFF IWATE PREF	40 3.40	142 43.34	31	5.1	265	0.2
344	2011/5/4 14:41:46.40	SHIMOKITA PENINSULA REG	40 50.75	141 24.85	92	4.6	128	0.2
345	2011/5/5 23:58:19.13	FAR E OFF NORTH HONSHU	38 12.73	144 7.14	42	6.1	500	0.4
346	2011/5/8 5:52:20.34	NE OFF IWATE PREF	40 14.69	142 30.06	34	5.7	237	0.3
347	2011/5/17 7:14:21.73	E OFF AOMORI PREF	41 32.96	142 4.39	64	4.2	124	0.3
348	2011/5/24 12:40:50.04	FAR E OFF SANRIKU	39 47.00	143 29.25	27	5.8	332	0.3
349	2011/6/2 1:39:26.82	E OFF AOMORI PREF	41 40.1					

# 7. 北海道西部に位置するKiK-net観測点の観測記録一覧(OSMH02上磯)

No.	地震発生時刻	震央地名	北緯(度分)	東経(度分)	震源深さ (km)	M	震央距離 (km)	最大加速度 (Gal)	
355	2011/6/23 6:50:50.73	E OFF IWATE PREF	39 56.87	142 35.45	36 6.9	267	4		
356	2011/6/25 2:39:26.46	S OFF URAKAWA	41 57.98	142 43.20	57 5.4	174	1		
357	2011/7/8 3:35:41.84	E OFF FUKUSHIMA PREF	37 5.82	141 7.77	55 5.6	528	0.1		
358	2011/7/10 9:57:07.36	FAR E OFF MIYAGI PREF	38 1.91	143 30.40	34 7.3	489	1		
359	2011/7/23 13:34:23.87	KINKAZAN REGION	38 52.42	142 5.47	47 6.4	352	1		
360	2011/7/25 3:51:25.30	E OFF FUKUSHIMA PREF	37 42.52	141 37.60	46 6.3	466	1		
361	2011/7/26 7:58:45.53	S OFF URAKAWA	42 2.59	142 30.36	67 4.8	157	2		
362	2011/7/27 23:49:57.86	NE OFF IWATE PREF	40 6.16	142 47.82	25 4.9	265	0.1		
363	2011/7/28 18:01:32.90	FAR E OFF SANRIKU	40 17.72	143 31.49	3 5.7	297	0.3		
364	2011/7/31 3:53:50.64	E OFF FUKUSHIMA PREF	36 54.19	141 13.28	57 6.5	550	1		
365	2011/7/31 14:20:24.33	E OFF AOMORI PREF	40 58.47	142 0.07	57 4.0	149	0.2		
366	2011/8/1 2:35:57.15	E OFF AOMORI PREF	41 42.57	143 0.79	37 5.5	198	1		
367	2011/8/1 22:44:47.86	E OFF IWATE PREF	39 48.96	142 15.21	43 5.8	263	0.5		
368	2011/8/5 19:53:19.04	NE OFF IWATE PREF	40 7.41	142 28.70	34 4.9	246	0.2		
369	2011/8/12 3:22:04.71	E OFF FUKUSHIMA PREF	36 58.13	141 9.66	52 6.1	542	0.3		
370	2011/8/17 4:35:18.94	NE OFF IWATE PREF	40 7.46	142 26.78	35 5.4	244	0.5		
371	2011/8/19 14:36:31.61	E OFF FUKUSHIMA PREF	37 38.94	141 47.80	51 6.5	476	0.4		
372	2011/8/22 9:07:08.20	TOKACHI REGION	42 40.21	143 16.19	25 4.7	236	0.2		
373	2011/8/23 15:04:57.18	S OFF URAKAWA	42 0.61	142 32.54	63 4.3	160	1		
374	2011/8/29 11:02:25.09	UCHIURA BAY REGION	41 56.83	140 59.48	9 3.4	32	4		
375	2011/8/30 18:19:55.60	HIDAKA REGION	42 27.15	142 5.74	10.1	3.9	139	0.3	
376	2011/8/30 22:44:35.67	SOUTHERN AKITA PREF	39 11.23	140 34.74	155 4.9	294	0.1		
377	2011/9/7 22:29:43.08	HIDAKA REGION	42 15.64	142 35.35	10 5.1	169	0.3		
378	2011/9/13 14:49:59.07	HIDAKA MOUNTAINS REGION	42 41.74	142 30.04	101 4.5	181	0.2		
379	2011/9/15 17:00:08.62	FAR E OFF IBARAKI PREF	36 15.32	141 29.00	51 6.3	624	0.2		
380	2011/9/17 4:26:35.86	NE OFF IWATE PREF	40 15.55	143 5.17	7 6.6	271	1		
381	2011/9/17 5:11:10.85	FAR E OFF SANRIKU	40 15.93	143 28.80	5 5.7	296	0.2		
382	2011/9/17 6:08:02.54	FAR E OFF SANRIKU	40 14.84	143 12.77	4 6.1	280	1		
383	2011/9/17 6:36:32.90	FAR E OFF SANRIKU	40 8.32	143 23.21	5 5.8	299	0.3		
384	2011/9/17 7:40:42.13	FAR E OFF SANRIKU	40 16.54	143 23.69	15 5.8	290	0.5		
385	2011/9/17 16:34:16.84	FAR E OFF SANRIKU	40 17.69	143 12.55	8 5.8	276	1		
386	2011/9/18 2:54:44.37	FAR E OFF SANRIKU	40 16.99	143 19.68	7 5.1	285	0.4		
387	2011/9/18 16:04:17.83	FAR E OFF SANRIKU	39 55.77	143 13.41	19 5.8	304	0.2		
388	2011/9/18 19:59:46.37	S OFF URAKAWA	41 56.15	142 26.48	66 5.0	150	1		
389	2011/10/7 11:51:18.14	E OFF AOMORI PREF	41 33.91	142 3.49	67 5.0	122	1		
390	2011/10/21 17:02:36.94	KAMIKAWA-SORACHI REGION	43 47.61	142 39.15	196 6.3	273	1		
391	2011/11/24 4:24:30.45	E OFF FUKUSHIMA PREF	37 19.81	141 36.76	45 6.1	507	0.2		
392	2011/11/24 19:25:33.75	S OFF URAKAWA	41 45.02	142 53.24	43 6.2	188	1		
393	2011/12/10 4:42:52.48	SOUTHERN SEA OF OKHOTSK	46 45.61	144 53.42	431 5.7	644	0.2		
394	2011/12/20 15:26:19.64	NE OFF IWATE PREF	40 3.30	142 41.92	29 5.0	263	0.2		
395	2012/1/1 14:27:52.05	NEAR TORISHIMA IS	31 25.68	138 33.99	397 7.0	1170	0.2		
396	2012/1/12 12:20:49.03	E OFF FUKUSHIMA PREF	36 58.07	141 18.23	33 5.9	544	0.2		
397	2012/1/16 16:40:29.56	UCHIURA BAY REGION	42 8.40	140 34.29	14 2.9	34	0.3		
398	2012/1/28 9:22:16.47	NE OFF IWATE PREF	40 9.19	142 25.61	36 5.7	240	0.4		
399	2012/1/28 21:44:25.35	NE OFF IWATE PREF	40 9.84	142 23.36	37 4.9	237	0.2		
400	2012/2/15 11:59:47.04	OSHIMA PEN REG HOKKAIDO	42 7.14	140 26.60	13 3.2	35	1		
401	2012/2/15 13:36:32.96	OSHIMA PEN REG HOKKAIDO	42 7.32	140 26.51	8 3.6	35	1		
402	2012/2/16 13:50:08.96	SW OFF HOKKAIDO	41 55.60	139 17.80	20 4.2	111	2		
403	2012/2/18 10:59:11.06	S OFF URAKAWA	41 53.07	142 29.87	63 4.2	155	0.4		
404	2012/2/24 0:26:38.83	S OFF URAKAWA	42 2.21	142 26.99	68 4.1	152	0.3		
405	2012/3/3 15:06:32.65	HIDAKA REGION	42 14.26	142 54.99	54 3.9	194	0.1		
406	2012/3/5 15:24:24.44	NE OFF IWATE PREF	40 9.03	142 30.71	33 5.1	245	0.2		
407	2012/3/14 18:08:33.09	FAR SE OFF HOKKAIDO	40 46.52	145 13.65	64 6.9	402	2		
408	2012/3/14 19:49:23.16	FAR E OFF NORTH HONSHU	40 40.87	144 58.04	69 6.0	385	1		
409	2012/3/14 19:57:39.86	FAR E OFF NORTH HONSHU	40 42.80	144 57.88	46 5.5	384	0.2		
410	2012/3/19 11:56:00.69	E OFF AOMORI PREF	41 30.13	142 2.20	63 5.0	123	1		
411	2012/3/23 13:46:16.39	SW OFF HOKKAIDO	42 8.80	139 10.24	18 3.8	126	0.2		
412	2012/3/26 11:33:45.52	NE OFF IWATE PREF	40 14.58	142 33.40	28 4.7	240	0.1		
413	2012/3/27 20:00:42.44	E OFF IWATE PREF	39 48.38	142 20.03	21 6.6	267	1		

No.	地震発生時刻	震央地名	北緯(度分)	東経(度分)	震源深さ (km)	M	震央距離 (km)	最大加速度 (Gal)
414	2012/4/1 23:04:24.95	E OFF FUKUSHIMA PREF	37 4.61	141 7.99	53 5.9	530	0.2	
415	2012/4/12 23:50:50.42	E OFF FUKUSHIMA PREF	37 27.13	141 44.06	27 5.9	496	0.2	
416	2012/4/13 19:10:00.37	E OFF FUKUSHIMA PREF	36 56.83	141 25.34	32 6.0	547	0.1	
417	2012/4/21 23:29:36.81	HIDAKA REGION	42 30.86	142 18.21	104 4.5	157	1	
418	2012/4/27 3:41:18.51	E OFF AOMORI PREF	41 28.75	141 58.82	65 5.0	119	1	
419	2012/4/30 0:02:18.49	E OFF IWATE PREF	39 44.53	142 15.30	23 5.6	270	0.3	
420	2012/5/10 9:28:18.11	E OFF IWATE PREF	39 46.18	142 14.60	23 5.1	267	0.2	
421	2012/5/17 0:59:01.19	WESTERN AOMORI PREF	40 43.05	140 27.24	15 3.6	125	0.2	
422	2012/5/20 4:05:17.56	FAR E OFF SANRIKU	39 41.93	143 40.84	33 6.0	350	0.3	
423	2012/5/20 16:20:33.75	FAR E OFF SANRIKU	39 32.23	143 37.27	7 6.5	359	0.5	
424	2012/5/20 17:20:55.95	FAR E OFF SANRIKU	39 36.80	143 36.52	28 5.5	352	0.2	
425	2012/5/24 0:02:26.59	E OFF AOMORI PREF	41 20.62	142 7.42	60 6.1	136	4	
426	2012/5/30 0:53:00.42	HIDAKA MOUNTAINS REGION	42 21.17	143 7.31	51 4.0	214	0.1	
427	2012/6/18 5:32:20.81	KINKAZAN REGION	38 52.48	142 5.46	47 6.2	352	1	
428	2012/7/3 13:52:49.00	E OFF AOMORI PREF	41 27.85	141 56.46	55 4.1	117	0.3	
429	2012/7/4 22:28:49.29	E OFF AOMORI PREF	40 58.56	142 0.75	57 4.0	150	0.3	
430	2012/7/12 20:17:15.99	E OFF AOMORI PREF	41 33.52	143 11.90	55 4.6	216	1	
431	2012/7/22 13:41:58.34	HIDAKA MOUNTAINS REGION	42 29.36	143 1.54	61 5.1	211	1	
432	2012/7/30 7:05:05.28	E OFF IWATE PREF	39 5.86	142 28.37	34 5.5	342	0.3	
433	2012/8/8 10:19:47.17	S OFF URAKAWA	41 57.45	142 20.15	70 4.1	142	0.2	
434	2012/8/14 11:59:36.27	SOUTHERN SEA OF OKHOTSK	49 11.00	145 52.90	654 7.3	913	1	
435	2012/8/17 16:24:36.64	E OFF AOMORI PREF	41 11.79	142 2.39	58 4.9	137	1	
436	2012/8/22 10:33:05.72	HIDAKA MOUNTAINS REGION	42 20.88	143 3.11	53 5.2	208	1	
437	2012/8/25 23:16:17.44	HIDAKA MOUNTAINS REGION	42 19.67	143 6.84	49 6.1	212	3	
438	2012/8/30 4:05:12.23	E OFF MIYAGI PREF	38 24.49	141 54.85	60 5.6	396	0.1	
439	2012/9/24 7:39:04.84	E OFF AOMORI PREF	41 28.75	142 0.78	64 3.8	122	0.3	
440	2012/10/2 7:21:42.63	FAR E OFF SANRIKU	39 49.97	143 31.23	22 6.3	330	1	
441	2012/12/5 6:52:07.02	S OFF URAKAWA	41 54.97	142 19.59	69 4.4	141	0.1	
442	2012/12/7 17:18:30.81	FAR E OFF MIYAGI PREF	38 1.19	143 52.02	49 7.3	506	3	
443	2012/12/7 17:31:10.24	FAR E OFF MIYAGI PREF	37 55.19	143 51.34	30 6.5	515	0.3	
444	2012/12/8 4:24:56.80	E OFF AOMORI PREF	40 49.78	142 57.65	5 4.6	225	0.1	
445	2012/12/29 23:59:36.62	E OFF MIYAGI PREF	38 43.04	142 11.77	41 5.5	371	0.1	
446	2013/1/2 21:00:13.28	HIDAKA MOUNTAINS REGION	42 13.09	143 0.52	55 4.3	201	0.2	
447	2013/1/8 16:51:30.35	NE OFF IWATE PREF	40 7.18	142 26.35	34 5.4	244	1	
448	2013/1/17 14:13:23.73	S OFF URAKAWA	42 4.86	142 45.26	48 4.9	178	0.4	
449	2013/2/2 3:23:05.98	HIDAKA MOUNTAINS REGION	42 47.14	142 51.62	121 4.0	212	0.2	
450	2013/2/2 23:17:35.86	TOKACHI REGION	42 42.12	143 13.65	102 6.5	235	4	
451	2013/2/27 19:24:10.69	E OFF AOMORI PREF	41 28.41	142 1.18	66 4.1	122	0.2	
452	2013/4/2 3:53:15.74	FAR E OFF SANRIKU	39 30.32	143 31.10	29 6.2	356	0.4	
453	2013/4/11 12:05:55.59	E OFF AOMORI PREF	41 34.37	142 3.42	65 4.3	122	1	
454	2013/4/17 21:03:32.49	KINKAZAN REGION	38 27.66	141 37.18	58 5.9	384	0.2	
455	2013/4/19 12:05:54.67	KURILE ISLANDS REGION	45 18.05	150 57.43	125 7.0	918	1	
456	2013/4/23 2:50:55.42	S OFF URAKAWA	41 52.18	142 9.26	74 4.3	126	1	
457	2013/5/16 8:46:28.41	NE OFF IWATE PREF	40 20.58	141 55.52	12 5.0	198	0.2	
458	2013/5/18 14:47:59.71	E OFF FUKUSHIMA PREF	37 42.55	141 37.72	46 6.0	466	0.3	
459	2013/5/21 23:51:48.14	NE OFF HOKKAIDO	45 10.03	142 54.48	277 5.0	413	0.4	
460	2013/5/24 14:44:48.98	SEA OF OKHOTSK	54 53.52	153 13.26	598 8.3	1720	1	
461	2013/6/20 10:49:41.81	E OFF AOMORI PREF	40 44.33	142 32.69	29 4.9	201	0.3	
462	2013/6/25 8:12:25.59	E OFF AOMORI PREF	41 29.22	142 0.43	65 4.2	121	0.4	
463	2013/7/2 5:01:56.09	E OFF AOMORI PREF	41 32.79	142 4.12	66 3.9	124	0.2	
464	2013/7/16 7:45:58.71	E OFF IWATE PREF	39 35.70	142 17.10	70 5.1	285	0.2	
465	2013/7/26 4:05:05.86	NE OFF IWATE PREF	40 8.66	142 27.75	35 4.9	243	0.2	
466	2013/8/4 12:28:50.83	E OFF MIYAGI PREF	38 9.76	141 48.15	58 6.0	420	0.2	
467	2013/8/5 0:56:33.23	SOUTHERN SEA OF OKHOTSK	46 36.87	145 29.49	508 5.7			

# 7. 北海道西部に位置するKiK-net観測点の観測記録一覧(OSMH02上磯)

No.	地震発生時刻	震央地名	北緯(度分)	東経(度分)	震源深さ (km)	M	震央距離 (km)	最大加速度 (Gal)
473	2013/10/21 12:33:34.90	HIDAKA MOUNTAINS REGION	42 19.25	143 2.89	50	4.6	207	0.2
474	2013/10/24 13:04:18.88	SHIMOKITA PENINSULA REG	41 22.39	141 11.70	112	4.5	70	0.2
475	2013/10/26 2:10:18.39	FAR E OFF NORTH HONSHU	37 11.78	144 34.12	56	7.1	616	1
476	2013/11/15 11:00:34.48	FAR E AOMORI PREF	41 27.60	142 3.51	63	5.3	126	1
477	2013/11/24 1:26:40.95	HIDAKA REGION	42 19.44	142 30.40	45	4.4	164	1
478	2013/11/24 3:42:10.47	SE OFF TOKACHI	42 35.96	143 50.00	77	4.5	277	0.2
479	2013/11/28 2:45:50.65	S OFF TOMAKOMAI	42 0.80	141 31.59	90	5.0	77	1
480	2013/12/9 2:24:51.89	SE OFF ETOROFU	44 33.33	149 22.91	30	6.4	772	0.3
481	2013/12/13 13:24:54.63	E OFF AOMORI PREF	40 58.71	142 0.94	56	4.0	150	0.1
482	2013/12/21 16:19:06.08	IBURI REGION	42 37.70	141 16.41	6	3.6	103	1
483	2013/12/25 2:12:41.60	SW OFF HOKKAIDO	42 29.37	139 16.93	26	4.4	133	0.4
484	2013/12/27 19:31:18.16	NE OFF IWATE PREF	40 12.75	142 19.60	38	5.0	230	0.3
485	2014/2/11 15:05:29.87	S OFF URAKAWA	41 54.97	142 19.77	72	4.6	141	0.3
486	2014/2/23 13:54:18.83	E OFF HOKKAIDO	43 22.03	147 38.85	12	5.5	600	0.2
487	2014/3/29 16:39:47.00	E OFF AOMORI PREF	40 54.96	143 15.65	26	4.8	242	0.3
488	2014/4/3 8:22:48.03	SOUTHERN IWATE PREF	39 10.22	141 45.89	64	5.5	311	0.2
489	2014/4/5 10:16:18.13	E OFF IWATE PREF	39 11.39	142 25.24	34	5.3	331	0.2
490	2014/4/18 9:02:29.95	HIDAKA REGION	42 36.33	142 11.68	110	4.2	155	0.3
491	2014/5/5 5:18:25.42	SAGAMINADA	34 57.19	139 28.86	156	6.0	771	0.1
492	2014/5/6 8:00:21.29	E OFF AOMORI PREF	41 29.74	142 2.60	64	4.5	123	0.4
493	2014/5/14 8:03:23.56	S OFF URAKAWA	41 59.56	142 34.12	62	4.5	161	1
494	2014/6/9 7:50:59.12	E OFF AOMORI PREF	40 57.43	141 36.67	82	4.6	127	0.3
495	2014/6/12 4:36:19.58	IBURI REGION	42 39.58	141 15.45	0	3.3	105	0.3
496	2014/6/15 2:31:42.15	SOUTHERN IWATE PREF	39 23.77	141 6.46	94	5.5	274	0.4
497	2014/6/16 5:14:50.69	E OFF FUKUSHIMA PREF	37 4.32	141 9.81	52	5.8	531	0.2
498	2014/7/5 7:42:04.63	E OFF IWATE PREF	39 40.55	142 8.16	49	5.9	272	1
499	2014/7/6 5:22:56.85	HIDAKA REGION	42 11.80	142 57.83	50	4.6	197	0.2
500	2014/7/8 18:05:24.29	IBURI REGION	42 38.99	141 16.02	3	5.6	104	5
501	2014/7/8 19:37:52.35	IBURI REGION	42 38.36	141 15.73	3	3.4	103	0.3
502	2014/7/10 18:16:25.51	IBURI REGION	42 38.39	141 15.24	2	3.9	103	0.3
503	2014/7/12 4:22:00.44	E OFF FUKUSHIMA PREF	37 3.00	142 19.25	33	7.0	551	1
504	2014/7/21 3:32:47.70	SE OFF ETOROFU	44 36.12	148 50.87	30	6.4	734	0.3
505	2014/7/25 13:18:15.58	E OFF AOMORI PREF	41 32.59	142 5.24	66	4.9	125	1
506	2014/8/10 12:43:18.15	E OFF AOMORI PREF	41 8.04	142 16.74	51	6.1	158	2
507	2014/8/13 9:40:42.00	HIDAKA MOUNTAINS REGION	42 21.27	143 6.49	50	4.2	213	0.1
508	2014/8/14 21:50:37.53	S OFF URAKAWA	42 3.82	142 38.95	63	4.1	169	0.2
509	2014/8/15 12:19:49.71	E OFF AOMORI PREF	41 31.79	142 34.80	61	4.3	166	0.2
510	2014/8/20 11:57:17.59	E OFF AOMORI PREF	41 8.18	142 15.35	50	4.2	156	0.2
511	2014/8/27 13:48:58.76	E OFF AOMORI PREF	41 2.51	143 11.47	42	5.4	231	0.4
512	2014/9/6 17:31:57.47	S OFF URAKAWA	42 2.98	142 30.57	64	4.4	157	1
513	2014/9/10 10:09:36.46	NE OFF IWATE PREF	40 8.07	141 55.53	67	4.9	218	0.2
514	2014/9/25 13:25:45.61	S OFF URAKAWA	42 6.13	142 34.54	62	4.1	164	0.3
515	2014/9/26 17:49:45.13	E OFF AOMORI PREF	41 34.73	142 3.32	65	4.0	122	0.2
516	2014/10/3 9:57:30.07	NE OFF IWATE PREF	40 9.92	142 37.68	28	5.7	250	1
517	2014/10/11 11:35:46.45	E OFF AOMORI PREF	40 57.13	143 14.68	36	6.1	240	2
518	2014/10/14 6:24:59.76	E OFF AOMORI PREF	40 59.99	141 44.59	81	4.4	131	0.2
519	2014/10/27 13:33:00.81	E OFF AOMORI PREF	40 45.92	142 3.57	92	4.3	169	0.2
520	2014/11/1 16:47:44.74	S OFF URAKAWA	42 0.82	142 31.85	51	4.3	159	0.5
521	2014/12/20 18:29:57.87	E OFF FUKUSHIMA PREF	37 25.52	141 36.36	44	6.0	497	1
522	2014/12/28 18:00:55.58	S OFF URAKAWA	42 0.99	142 35.64	60	4.3	164	0.4
523	2015/1/1 22:57:14.47	ISHIKARI DEPRESSION	42 35.09	141 50.24	30	4.5	130	1
524	2015/1/9 3:42:10.93	NEMURO REGION	43 33.14	145 2.81	126	5.5	409	0.2
525	2015/2/17 8:06:34.68	FAR E OFF SANRIKU	39 52.34	143 11.56	13	6.9	307	1
526	2015/2/17 13:46:39.36	NE OFF IWATE PREF	40 5.12	142 6.72	50	5.7	231	0.5
527	2015/2/18 1:33:21.81	FAR E OFF SANRIKU	39 39.95	143 43.08	34	5.6	355	0.1
528	2015/2/20 13:25:20.99	FAR E OFF SANRIKU	39 54.76	143 43.93	8	6.5	337	0.4
529	2015/2/21 4:28:27.74	S OFF URAKAWA	41 58.68	142 42.97	57	5.1	174	1
530	2015/2/21 19:13:51.88	FAR E OFF SANRIKU	39 53.69	143 36.60	11	6.4	331	0.2
531	2015/2/24 11:28:52.39	FAR E OFF SANRIKU	39 38.02	143 22.96	29	5.9	337	0.2

No.	地震発生時刻	震央地名	北緯(度分)	東経(度分)	震源深さ (km)	M	震央距離 (km)	最大加速度 (Gal)
532	2015/3/6 8:06:00.88	HIDAKA REGION	42 24.28	142 37.34	57	4.9	176	1
533	2015/3/25 9:34:28.72	HIDAKA MOUNTAINS REGION	42 21.16	143 5.77	50	5.0	212	1
534	2015/4/23 21:23:43.45	S OFF URAKAWA	41 55.81	142 20.44	69	4.4	142	0.2
535	2015/4/30 1:09:49.64	NE OFF IWATE PREF	40 3.55	142 52.74	24	5.4	273	0.5
536	2015/5/2 1:56:39.16	E OFF AOMORI PREF	40 54.62	143 11.43	17	4.9	237	0.2
537	2015/5/30 20:23:02.28	SW OFF OGIKAWA	27 51.65	140 40.95	682	8.1	1551	1
538	2015/6/8 15:01:11.78	E OFF AOMORI PREF	41 27.35	142 1.19	66	5.6	123	2
539	2015/6/10 17:32:59.11	FAR E OFF SANRIKU	39 39.76	143 37.14	36	5.8	349	0.2
540	2015/6/11 13:45:27.69	FAR E OFF SANRIKU	39 41.83	143 37.59	27	5.9	347	0.2
541	2015/6/11 13:51:24.10	FAR E OFF SANRIKU	39 37.22	143 30.45	36	5.9	346	0.3
542	2015/6/11 13:56:30.14	FAR E OFF SANRIKU	39 36.43	143 35.47	25	5.6	352	0.2
543	2015/6/23 0:35:16.60	E OFF AOMORI PREF	41 29.07	142 5.24	63	4.6	127	0.4
544	2015/6/26 19:38:01.36	E OFF AOMORI PREF	41 29.11	142 0.45	65	4.4	121	0.4
545	2015/7/7 14:10:26.79	E OFF HOKKAIDO	43 40.50	147 50.30	1	6.3	624	1
546	2015/7/9 17:27:38.81	NE OFF IWATE PREF	40 7.05	142 25.77	36	5.1	244	0.2
547	2015/7/10 3:32:51.27	NORTHERN IWATE PREF	40 21.24	141 33.59	88	5.7	182	2
548	2015/7/11 15:18:33.31	HIDAKA REGION	42 33.26	142 26.52	119	4.1	169	0.2
549	2015/7/16 10:15:08.84	E OFF AOMORI PREF	41 20.03	142 38.76	38	4.8	177	0.3
550	2015/7/23 18:43:21.09	S OFF URAKAWA	41 58.45	142 32.62	65	4.5	159	1
551	2015/8/14 13:43:44.82	TOKACHI REGION	42 45.17	143 6.77	80	5.1	228	1
552	2015/8/20 23:01:19.69	S OFF URAKAWA	41 56.82	142 17.47	71	4.1	138	0.1
553	2015/8/22 21:14:04.80	S OFF URAKAWA	41 57.34	142 53.41	43	4.5	188	0.2
554	2015/8/27 12:23:13.61	ISHIKARI DEPRESSION	42 45.34	142 8.93	137	4.4	161	0.2
555	2015/8/28 6:13:13.07	HIDAKA REGION	42 28.22	142 39.11	70	3.9	181	0.2
556	2015/9/12 22:38:01.64	S OFF URAKAWA	41 49.50	142 40.21	56	5.4	169	0.4
557	2015/9/26 18:49:46.48	S OFF TOMAKOMAI	42 12.72	141 57.49	94	4.5	117	0.3
558	2015/10/18 9:47:39.64	E OFF AOMORI PREF	41 29.51	142 0.11	65	4.4	120	0.4
559	2015/11/1 12:48:47.61	E OFF AOMORI PREF	41 34.08	142 4.06	65	5.2	123	1
560	2015/11/16 21:11:43.72	HIDAKA MOUNTAINS REGION	42 32.48	143 8.35	93	4.4	221	0.1
561	2016/1/11 15:26:41.13	EASTERN AOMORI PREF	40 23.28	141 15.88	10	4.6	169	0.3
562	2016/1/12 2:08:01.96	NW OFF HOKKAIDO	44 25.84	141 12.63	265	6.2	292	1
563	2016/1/12 2:50:28.78	S OFF URAKAWA	41 53.76	142 30.03	64	4.4	155	0.4
564	2016/1/14 12:25:33.31	S OFF URAKAWA	41 58.21	142 48.07	52	6.7	180	14
565	2016/2/2 14:31:46.84	E OFF IWATE PREF	39 40.85	142 54.42	22	5.6	307	0.4
566	2016/2/15 7:47:59.79	TOKACHI REGION	43 3.36	143 19.17	136	4.2	259	0.1
567	2016/3/13 11:07:37.14	S OFF URAKAWA	41 58.75	142 34.28	62	4.2	162	0.3
568	2016/4/19 5:32:46.79	HIDAKA REGION	42 14.35	142 54.59	52	4.1	194	0.2
569	2016/5/3 9:00:50.53	E OFF HOKKAIDO	43 29.43	147 36.01	44	5.9	600	0.3
570	2016/5/25 14:22:44.50	E OFF AOMORI PREF	41 1.51	142 24.61	34	4.8	174	0.5
571	2016/6/16 14:21:28.20	UCHIURA BAY REGION	41 56.91	140 59.22	11	5.3	32	38
572	2016/6/16 14:24:00.08	UCHIURA BAY REGION	41 55.64	141 0.33	9	3.1	32	1
573	2016/6/16 14:42:17.97	UCHIURA BAY REGION	41 56.20	140 59.51	10	2.6	32	1
574	2016/6/16 17:07:58.06	UCHIURA BAY REGION	41 56.43	140 58.44	10	2.3	31	0.4
575	2016/6/16 19:58:36.67	UCHIURA BAY REGION	41 56.67	140 58.74	9	3.3	31	1
576	2016/6/20 21:10:50.52	UCHIURA BAY REGION	41 56.04	140 58.77	9	2.3	31	1
577	2016/6/21 0:10:08.59	UCHIURA BAY REGION	41 55.49	140 59.67	10	4.2	32	8
578	2016/6/21 9:49:59.99	UCHIURA BAY REGION	41 56.57	140 58.67	10	2.4	31	0.4
579	2016/6/21 19:54:13.36	UCHIURA BAY REGION	41 55.38	140 59.49	10	2.3	31	1
580	2016/6/29 1:27:55.51	UCHIURA BAY REGION	41 54.16	140 59.69	11	2.7	31	1
581	2016/6/30 3:12:43.23	FAR E OFF NORTH HONSHU	39 52.08	144 36.35	43	5.2	400	0.3
582	2016/6/30 3:30:08.89	UCHIURA BAY REGION	41 54.07	140 59.65	11	2.6	31	1
583	2016/7/11 9:46:19.69	UCHIURA BAY REGION	41 55.68	141 0.34	8	2.9	33	1
584	2016/7/11 17:53:00.28	UCHIURA BAY REGION	41 55.57	141 0.33	8	2.6	32	0.3
585	2016/7/13 3:53:34.17	SW OFF HOKKAIDO	42 19.42	139 14.98	22	4.1	127	1
58								

## 7. 北海道西部に位置するKiK-net観測点の観測記録一覧(OSMH02上磯)

No.	地震発生時刻	震央地名	北緯(度分)	東経(度分)	震源深さ (km)	M	震央距離 (km)	最大加速度 (Gal)
591	2016/8/21 0:58:03.28	FAR E OFF SANRIKU	40 22.05	143 41.21	12 6.2	304	0.3	
592	2016/8/21 1:10:35.40	FAR E OFF SANRIKU	40 24.33	143 29.96	11 5.5	288	0.3	
593	2016/8/21 21:49:12.73	FAR E OFF SANRIKU	40 38.68	143 41.63	22 5.2	289	0.1	
594	2016/9/7 18:42:03.72	HIDAKA REGION	42 29.66	142 40.86	11.0 4.7	184	0.5	
595	2016/9/20 3:59:34.01	UCHIURA BAY REGION	41 56.77	140 59.61	11 3.2	32	1	
596	2016/9/20 4:05:50.02	UCHIURA BAY REGION	41 56.56	140 58.40	10 2.3	31	1	
597	2016/9/25 13:03:48.67	TSUGARU STRAIT REGION	41 33.20	140 36.47	13 3.7	32	1	
598	2016/9/26 11:24:36.94	S OFF URAKAWA	41 49.95	142 12.37	72 4.8	131	2	
599	2016/9/26 14:13:24.62	E OFF AOMORI PREF	41 39.10	142 59.60	29 5.4	197	2	
600	2016/10/3 17:48:25.29	S OFF URAKAWA	41 55.33	142 26.28	67 4.5	150	1	
601	2016/10/7 8:33:38.63	UCHIURA BAY REGION	41 56.44	140 58.51	10 3.2	31	2	
602	2016/10/7 9:14:20.62	S OFF URAKAWA	41 58.47	142 33.60	63 4.2	161	0.2	
603	2016/10/12 4:02:27.19	HIDAKA MOUNTAINS REGION	42 19.54	143 2.54	50 5.0	207	2	
604	2016/10/24 5:25:24.84	E OFF HOKKAIDO	43 46.00	147 58.03	0 6.0	637	0.2	
605	2016/11/12 6:43:00.73	KINKAZAN REGION	38 27.84	141 36.48	58 5.9	384	0.2	
606	2016/11/22 5:59:46.89	E OFF FUKUSHIMA PREF	37 21.28	141 36.25	25 7.4	505	1	
607	2016/12/28 21:38:49.04	NORTHERN IBARAKI PREF	36 43.21	140 34.45	11 6.3	568	0.2	
608	2017/1/3 6:24:20.78	E OFF AOMORI PREF	41 11.76	142 2.28	58 4.5	137	0.3	
609	2017/1/21 20:54:31.07	E OFF AOMORI PREF	40 33.44	142 32.33	29 4.5	214	0.1	
610	2017/1/22 3:11:05.64	E OFF AOMORI PREF	41 4.02	142 26.53	37 4.5	174	1	
611	2017/1/26 17:06:27.94	NE OFF IWATE PREF	40 9.97	142 27.33	36 5.2	241	0.2	
612	2017/2/12 22:36:53.95	NE OFF IWATE PREF	40 9.63	142 21.98	36 4.8	237	0.2	
613	2017/2/27 18:10:39.19	HIDAKA MOUNTAINS REGION	42 20.98	143 2.95	52 4.7	208	0.2	
614	2017/3/8 1:08:19.02	E OFF AOMORI PREF	41 28.90	141 58.73	65 5.2	119	1	
615	2017/3/14 12:56:50.21	HIDAKA MOUNTAINS REGION	42 48.94	142 42.01	82 4.7	202	0.3	
616	2017/4/16 4:24:01.04	E OFF AOMORI PREF	41 7.35	142 34.18	32 4.4	180	0.2	
617	2017/4/30 23:42:35.92	HIDAKA MOUNTAINS REGION	42 19.38	143 4.26	53 5.4	209	1	
618	2017/5/2 19:29:21.03	E OFF AOMORI PREF	41 35.07	141 55.11	66 3.8	111	0.4	
619	2017/5/22 20:00:58.83	E OFF HOKKAIDO	43 38.84	147 37.97	35 5.7	607	0.2	
620	2017/5/26 2:33:22.72	S OFF URAKAWA	42 0.58	142 35.01	64 4.1	163	0.2	
621	2017/6/28 21:07:32.18	E OFF HOKKAIDO	43 33.76	147 49.97	31 5.7	620	0.2	
622	2017/7/1 23:45:52.92	ISHIKARI DEPRESSION	42 47.26	141 51.54	27 5.1	146	2	
623	2017/7/20 9:11:24.27	E OFF FUKUSHIMA PREF	37 20.48	141 35.26	46 5.8	506	0.1	
624	2017/7/24 0:55:41.27	FAR E OFF SANRIKU	40 7.29	143 22.47	14 5.7	299	0.2	
625	2017/8/13 12:13:14.30	E OFF AOMORI PREF	41 33.58	142 3.68	66 3.9	123	0.3	
626	2017/9/7 10:39:39.40	E OFF AOMORI PREF	41 33.94	142 3.77	67 3.9	123	0.3	
627	2017/9/10 17:44:24.05	S OFF URAKAWA	41 45.55	142 52.67	43 5.6	187	1	
628	2017/9/21 1:37:18.59	FAR E OFF NORTH HONSHU	38 2.16	144 29.32	53 6.3	535	0.2	
629	2017/9/27 5:22:11.22	NE OFF IWATE PREF	40 16.00	142 27.32	35 6.1	232	1	
630	2017/10/4 18:29:01.08	OSHIMA PEN REG HOKKAIDO	41 49.32	140 45.87	14 3.5	11	5	
631	2017/10/6 16:59:32.89	FAR E OFF NORTH HONSHU	37 26.12	143 56.90	57 6.3	565	0.2	
632	2017/10/6 23:56:40.77	E OFF FUKUSHIMA PREF	37 5.25	141 9.34	53 5.9	529	0.2	
633	2017/10/15 11:20:10.74	S OFF URAKAWA	41 55.24	142 13.83	70 4.0	133	0.2	
634	2017/10/18 8:48:52.73	S OFF URAKAWA	41 57.86	142 32.24	64 4.4	159	1	
635	2017/11/3 12:45:12.90	SE OFF TOKACHI	42 33.80	143 44.91	66 5.0	270	0.2	
636	2017/11/13 7:24:08.52	FAR E OFF NORTH HONSHU	38 0.37	144 48.35	56 6.0	555	0.1	
637	2017/11/29 22:17:58.75	S OFF URAKAWA	41 54.46	142 19.24	63 4.2	140	0.2	
638	2017/12/2 5:48:00.99	S OFF URAKAWA	42 2.22	142 30.33	67 4.9	157	2	
639	2017/12/16 2:58:43.94	E OFF IWATE PREF	39 41.17	142 5.69	52 5.5	269	0.3	
640	2017/12/17 14:17:50.49	TSUGARU STRAIT REGION	41 40.86	140 56.13	10 2.7	31	0.2	
641	2018/1/6 22:45:25.34	E OFF AOMORI PREF	40 42.50	142 41.43	22 4.5	213	0.2	
642	2018/1/10 20:03:28.07	HIDAKA REGION	42 31.33	142 27.90	125 4.3	169	0.4	
643	2018/1/14 18:07:33.17	S OFF URAKAWA	41 56.24	143 2.86	41 4.7	201	0.5	
644	2018/1/24 19:51:19.50	E OFF AOMORI PREF	41 0.58	142 26.88	34 6.3	177	2	
645	2018/1/28 4:43:28.61	NE OFF IWATE PREF	40 7.15	142 25.44	35 4.9	243	0.2	
646	2018/1/30 8:42:17.36	E OFF AOMORI PREF	41 1.97	142 24.77	32 4.2	174	0.2	
647	2018/1/31 5:11:48.31	S OFF URAKAWA	42 1.12	142 35.44	62 4.7	164	1	
648	2018/3/9 18:15:50.77	SHIMOKITA PENINSULA REG	41 10.77	141 15.91	93 4.4	90	0.2	
649	2018/3/12 15:40:04.62	E OFF AOMORI PREF	41 8.99	142 37.16	36 4.9	183	0.3	

No.	地震発生時刻	震央地名	北緯(度分)	東経(度分)	震源深さ (km)	M	震央距離 (km)	最大加速度 (Gal)
650	2018/3/22 8:15:06.44	S OFF TOMAKOMAI	42 14.78	141 27.49	98 4.1	82	0.4	
651	2018/4/14 4:00:01.88	OFF NEMURO PENINSULA	43 10.55	145 44.27	53 5.4	445	0.2	
652	2018/4/24 17:53:21.78	OFF NEMURO PENINSULA	43 14.33	145 49.51	87 5.4	454	0.2	
653	2018/5/5 21:47:33.95	UCHIURA BAY REGION	41 58.00	141 0.41	12 3.1	34	4	
654	2018/5/7 5:00:48.42	NORTHERN IWATE PREF	39 35.72	141 9.68	98 5.1	253	0.2	
655	2018/5/14 19:31:17.73	NE OFF IWATE PREF	40 3.57	142 41.11	29 5.1	262	0.3	
656	2018/5/18 3:42:13.68	OFF NEMURO PENINSULA	42 43.51	145 28.23	47 5.8	411	0.2	
657	2018/7/2 2:27:00.82	E OFF AOMORI PREF	41 29.61	142 3.82	64 4.9	125	1	
658	2018/7/2 20:53:20.41	E OFF AOMORI PREF	41 11.75	142 42.05	39 5.0	187	1	
659	2018/7/10 13:55:55.48	E OFF AOMORI PREF	41 32.92	142 4.47	68 4.9	124	1	
660	2018/7/16 21:33:39.57	HIDAKA MOUNTAINS REGION	42 19.20	142 59.80	55 4.9	203	0.3	
661	2018/7/23 22:51:15.41	UCHIURA BAY REGION	41 55.50	140 57.29	11 2.5	28	1	
662	2018/7/26 14:36:18.64	OSHIMA PEN REG HOKKAIDO	41 55.46	140 56.77	10 2.3	28	1	
663	2018/7/31 17:42:20.20	E OFF FUKUSHIMA PREF	37 9.36	141 13.76	21 5.8	522	0.1	
664	2018/8/5 17:44:16.84	E OFF AOMORI PREF	41 29.81	142 0.70	62 4.2	121	0.4	
665	2018/8/23 0:06:26.51	E OFF AOMORI PREF	41 18.99	142 39.04	35 4.9	178	0.4	
666	2018/8/24 23:15:54.63	E OFF AOMORI PREF	41 5.64	142 37.51	32 5.1	186	0.4	
667	2018/9/6 3:07:59.33	ISHIKARI DEPRESSION	42 41.45	142 0.40	37 6.7	148	30	
668	2018/9/6 3:13:46.75	ISHIKARI DEPRESSION	42 41.76	141 58.38	31 3.9	146	0.3	
669	2018/9/6 3:17:09.62	ISHIKARI DEPRESSION	42 38.43	141 57.61	29 4.7	141	2	
670	2018/9/6 3:20:10.85	ISHIKARI DEPRESSION	42 34.70	141 56.50	31 5.5	136	4	
671	2018/9/6 3:23:49.22	ISHIKARI DEPRESSION	42 48.52	141 58.62	34 4.8	155	1	
672	2018/9/6 3:26:02.46	ISHIKARI DEPRESSION	42 33.84	141 56.55	35 3.9	135	0.3	
673	2018/9/6 3:32:52.25	ISHIKARI DEPRESSION	42 43.52	141 59.95	35 4.6	150	0.5	
674	2018/9/6 4:10:47.79	ISHIKARI DEPRESSION	42 41.55	141 59.31	31 4.7	147	1	
675	2018/9/6 4:39:05.01	ISHIKARI DEPRESSION	42 39.66	141 59.31	36 3.9	145	0.2	
676	2018/9/6 4:57:12.81	ISHIKARI DEPRESSION	42 36.81	141 56.13	33 3.2	138	0.4	
677	2018/9/6 5:20:48.04	ISHIKARI DEPRESSION	42 37.43	141 58.15	36 4.1	141	0.2	
678	2018/9/6 6:04:32.05	ISHIKARI DEPRESSION	42 42.16	141 59.69	31 4.4	148	0.4	
679	2018/9/6 6:06:39.47	ISHIKARI DEPRESSION	42 41.08	142 0.19	31 3.5	147	0.2	
680	2018/9/6 6:11:29.95	ISHIKARI DEPRESSION	42 40.97	142 0.71	36 5.4	148	3	
681	2018/9/6 6:53:23.05	ISHIKARI DEPRESSION	42 38.29	141 58.86	36 3.8	142	0.2	
682	2018/9/6 7:45:51.12	ISHIKARI DEPRESSION	42 47.47	141 59.80	35 3.9	154	0.3	
683	2018/9/6 9:16:56.03	ISHIKARI DEPRESSION	42 42.44	141 59.45	34 3.8	148	0.2	
684	2018/9/6 11:07:22.25	ISHIKARI DEPRESSION	42 41.97	141 57.72	35 3.8	146	0.2	
685	2018/9/6 12:14:10.28	ISHIKARI DEPRESSION	42 37.28	141 56.10	30 3.6	138	0.4	
686	2018/9/6 13:01:41.38	ISHIKARI DEPRESSION	42 38.13	141 57.28	29 3.6	141	0.5	
687	2018/9/6 14:03:58.39	ISHIKARI DEPRESSION	42 36.27	141 56.49	31 4.3	138	2	
688	2018/9/6 16:53:24.54	ISHIKARI DEPRESSION	42 42.50	141 58.45	33 4.4	147	0.5	
689	2018/9/6 22:35:50.20	ISHIKARI DEPRESSION	42 36.74	141 57.18	30 4.0	139	0.3	
690	2018/9/6 23:43:49.12	ISHIKARI DEPRESSION	42 46.77	142 0.25	34 4.1	154	0.3	
691	2018/9/7 1:41:33.77	ISHIKARI DEPRESSION	42 38.14	141 57.88	32 4.2	141	1	
692	2018/9/7 3:47:33.74	ISHIKARI DEPRESSION	42 38.05	141 57.33	31 3.6	141	0.3	
693	2018/9/7 4:31:46.04	ISHIKARI DEPRESSION	42 42.12	141 58.02	32 3.5	146	0.3	
694	2018/9/7 4:37:54.14	ISHIKARI DEPRESSION	42 44.32	141 59.16	35 4.1	150	0.3	
695	2018/9/7 4:48:14.18	ISHIKARI DEPRESSION	42 37.08	141 57.96	36 4.1	140	0.3	
696	2018/9/7 7:10:06.46	ISHIKARI DEPRESSION	42 37.63	141 58.27	41 4.1	141	0.3	
697	2018/9/7 13:25:24.27	ISHIKARI DEPRESSION	42 42.72	141 58.27	33 4.5	147	1	
698	2018/9/7 13:56:59.26	ISHIKARI DEPRESSION	42 41.55	141 57.36	28 3.4	145	0.2	
699	2018/9/7 18:11:21.32	ISHIKARI DEPRESSION	42 37.50	141 58.05	35 3.9	141	0.2	
700	2018/9/7 22:43:45.93	ISHIKARI DEPRESSION	42 44.96	142 1.57	35 4.4	153	1	
701	2018/9/8 4:38:29.51	ISHIKARI DEPRESSION	42 43.72	141 59.06	37 3.3	149	0.1	
702	2018/9/8 5:49:09.81	ISHIKARI DEPRESSION	42 36.63	141 57.08	34 3.6	139	0.2	
703	2018/9/8 16:21:36.96	ISHIKARI DEPRESSION	42 42.05	141 57.22	38 4.0	145	0.4	
704	2018/9/8 17:03:56.95	ISHIKARI DEPRESSION	42 35.53	141 56.35	31 3.4	137	0.3	
705	2018/9/8 18:21:07.13	ISHIKARI DEPRESSION	42 41.77	141 58.21	34 4.2	146	0.2	
706	2018/9/9 1:12:24.58	ISHIKARI DEPRESSION	42 43.45	142 0.94	32 4.1	151	0.3	
707	2018/9/9 2:25:13.75	ISHIKARI DEPRESSION	42 46.87	141 59.02	35 4.9	153	2	
708	2018/9/10 5:51:15.18	ISHIKARI DEPRESSION	42 35.41	141 56.92	28 3.8			

# 7. 北海道西部に位置するKiK-net観測点の観測記録一覧(OSMH02上磯)

No.	地震発生時刻	震央地名	北緯(度分)	東経(度分)	震源深さ (km)	M	震央距離 (km)	最大加速度 (Gal)
709	2018/9/10 12:25:22.68	ISHIKARI DEPRESSION	42 42.30	141 58.34	33	3.7	147	0.2
710	2018/9/10 16:21:20.89	ISHIKARI DEPRESSION	42 40.52	141 59.14	41	4.1	145	0.2
711	2018/9/11 4:58:46.02	ISHIKARI DEPRESSION	42 42.79	142 0.30	31	4.5	149	1
712	2018/9/11 12:54:50.23	ISHIKARI DEPRESSION	42 43.96	141 53.23	13	4.3	143	0.2
713	2018/9/11 19:07:33.20	ISHIKARI DEPRESSION	42 49.25	141 59.78	34	4.2	157	0.5
714	2018/9/11 22:25:58.66	E OFF AOMORI PREF	41 14.88	142 22.51	47	5.0	159	0.5
715	2018/9/11 22:57:16.69	ISHIKARI DEPRESSION	42 36.63	141 56.98	32	3.5	139	1
716	2018/9/12 18:24:51.83	ISHIKARI DEPRESSION	42 40.56	141 59.18	33	4.5	145	0.5
717	2018/9/13 1:34:00.15	ISHIKARI DEPRESSION	42 36.72	141 56.97	31	4.2	139	1
718	2018/9/13 15:06:29.46	ISHIKARI DEPRESSION	42 41.86	141 59.16	35	3.9	147	0.3
719	2018/9/14 6:54:22.36	ISHIKARI DEPRESSION	42 40.64	141 57.14	26	4.6	143	1
720	2018/9/14 17:31:41.74	ISHIKARI DEPRESSION	42 36.63	141 58.40	40	4.0	140	0.4
721	2018/9/15 19:37:54.93	ISHIKARI DEPRESSION	42 37.87	141 59.34	39	4.0	142	0.2
722	2018/9/17 2:51:31.63	ISHIKARI DEPRESSION	42 43.08	141 51.77	28	4.6	141	2
723	2018/9/21 7:56:08.20	ISHIKARI DEPRESSION	42 38.48	141 59.69	37	4.2	144	0.2
724	2018/9/24 18:17:05.80	ISHIKARI DEPRESSION	42 38.15	141 59.87	41	4.3	143	1
725	2018/9/29 18:25:54.33	ISHIKARI DEPRESSION	42 46.24	142 0.04	35	4.2	153	1
726	2018/9/30 17:54:04.49	ISHIKARI DEPRESSION	42 32.99	141 59.38	37	4.9	137	2
727	2018/10/1 11:22:03.35	ISHIKARI DEPRESSION	42 47.64	142 0.60	35	4.7	155	1
728	2018/10/5 8:58:49.15	ISHIKARI DEPRESSION	42 35.56	141 57.90	31	5.2	138	2
729	2018/10/6 13:14:23.80	ISHIKARI DEPRESSION	42 40.81	141 59.37	35	4.1	146	0.3
730	2018/10/6 23:12:29.60	ISHIKARI DEPRESSION	42 35.50	141 59.59	38	3.9	140	0.2
731	2018/10/8 21:53:58.77	ISHIKARI DEPRESSION	42 37.67	141 57.79	32	4.3	141	0.4
732	2018/10/9 2:45:15.97	ISHIKARI DEPRESSION	42 37.53	141 57.52	32	4.3	140	1
733	2018/10/10 17:57:04.72	ISHIKARI DEPRESSION	42 40.92	141 58.50	32	3.5	145	0.2
734	2018/10/12 9:14:27.90	ISHIKARI DEPRESSION	42 35.55	141 56.82	23	4.6	137	1
735	2018/10/26 3:36:09.82	E OFF MIYAGI PREF	38 16.76	141 48.68	49	5.7	408	0.2
736	2018/11/8 0:54:32.23	ISHIKARI DEPRESSION	42 33.74	141 56.25	24	3.2	134	0.2
737	2018/11/8 7:35:23.90	TSUGARU PENINSULA REG	41 1.54	140 42.39	16	3.6	90	0.3
738	2018/11/14 19:07:30.10	ISHIKARI DEPRESSION	42 41.88	141 57.92	32	4.7	146	1
739	2018/11/18 4:10:46.11	ISHIKARI DEPRESSION	42 35.03	141 56.23	31	3.2	136	0.2
740	2018/11/20 15:10:08.18	E OFF AOMORI PREF	41 28.28	141 51.70	28	4.1	110	0.4
741	2018/11/28 11:23:24.53	E OFF AOMORI PREF	41 20.21	143 13.36	11	5.7	223	1
742	2018/12/3 17:15:17.40	SHIMOKITA PENINSULA REG	40 51.99	141 25.08	87	4.6	126	0.2
743	2018/12/21 6:00:56.90	ISHIKARI DEPRESSION	42 41.37	141 58.22	32	3.5	145	0.2
744	2018/12/23 11:41:09.17	ISHIKARI DEPRESSION	42 37.40	141 57.63	31	3.5	140	0.2
745	2018/12/24 23:51:14.41	S OFF TOMAKOMAI	41 48.97	141 29.13	127	4.2	71	0.3
746	2018/12/30 4:08:30.99	HIDAKA MOUNTAINS REGION	42 19.68	143 6.82	51	5.3	212	1
747	2019/1/17 11:23:36.12	S OFF URAKAWA	41 58.21	142 33.64	63	4.3	161	0.3
748	2019/1/19 5:04:01.12	E OFF AOMORI PREF	40 44.34	142 33.87	29	4.9	203	0.3
749	2019/1/26 17:23:01.61	NE OFF IWATE PREF	40 16.84	142 19.65	38	5.6	224	1
750	2019/2/21 21:22:40.49	ISHIKARI DEPRESSION	42 45.97	142 0.20	33	5.8	153	5
751	2019/2/23 2:03:24.99	ISHIKARI DEPRESSION	42 46.22	141 58.99	30	3.9	152	0.2
752	2019/2/27 22:34:53.73	ISHIKARI DEPRESSION	42 45.98	141 59.02	31	3.5	152	0.2
753	2019/3/2 12:22:55.57	FAR SE OFF HOKKAIDO	42 0.48	146 51.72	51	6.2	517	0.3
754	2019/3/28 11:16:59.31	SE OFF TOKACHI	42 26.87	143 40.29	78	4.6	260	0.2
755	2019/3/30 19:59:17.81	E OFF AOMORI PREF	41 29.06	142 1.76	63	3.9	123	0.2
756	2019/4/3 5:29:09.78	S OFF URAKAWA	41 58.42	142 32.17	62	4.3	159	0.3
757	2019/4/8 22:22:02.31	S OFF URAKAWA	41 57.11	142 20.33	71	4.2	142	0.1
758	2019/4/11 17:18:18.14	FAR E OFF SANRIKU	40 21.75	143 24.29	5	6.2	285	1
759	2019/4/23 2:45:17.78	FAR E OFF SANRIKU	40 32.98	143 50.81	57	5.6	305	0.2
760	2019/4/28 2:24:47.15	HIDAKA MOUNTAINS REGION	42 33.61	142 52.77	102	5.6	202	1
761	2019/5/31 22:48:55.52	ISHIKARI DEPRESSION	42 49.10	141 59.16	36	4.1	156	0.3
762	2019/6/18 22:22:19.98	W OFF YAMAGATA PREF	38 36.48	139 28.76	14	6.7	372	1
763	2019/6/30 15:53:46.58	KAMIKAWA-SORACHI REGION	43 16.41	142 24.23	166	4.5	216	0.1
764	2019/7/1 9:37:34.99	E OFF AOMORI PREF	41 8.91	142 16.96	51	5.2	158	0.4
765	2019/7/9 20:33:28.39	SOUTHERN SEA OF OKHOTSK	47 4.49	145 16.82	489	5.6	689	0.3
766	2019/8/4 19:23:03.59	E OFF FUKUSHIMA PREF	37 42.43	141 37.97	45	6.4	467	0.5
767	2019/8/15 14:32:52.98	SHIMOKITA PENINSULA REG	40 47.52	141 20.36	93	5.5	130	1

No.	地震発生時刻	震央地名	北緯(度分)	東経(度分)	震源深さ (km)	M	震央距離 (km)	最大加速度 (Gal)
768	2019/8/15 15:06:08.69	SHIMOKITA PENINSULA REG	40 47.50	141 19.49	91	4.5	130	0.2
769	2019/9/7 18:35:50.87	E OFF AOMORI PREF	41 34.33	142 4.20	64	5.0	123	1
770	2019/9/16 1:27:09.59	E OFF AOMORI PREF	41 12.02	142 2.84	58	4.5	138	0.2
771	2019/10/7 16:25:07.10	E OFF AOMORI PREF	41 44.45	142 17.15	66	4.0	138	0.3
772	2019/10/10 0:52:42.67	E OFF AOMORI PREF	41 33.38	142 3.36	66	3.8	122	0.1
773	2019/11/6 0:41:28.84	HIDAKA MOUNTAINS REGION	42 20.82	143 4.27	52	4.2	209	0.2
774	2019/11/7 11:35:27.48	E OFF AOMORI PREF	41 38.93	141 56.13	110	4.1	110	0.2
775	2019/12/16 6:52:01.42	ISHIKARI DEPRESSION	42 45.63	141 53.76	31	4.4	146	1
776	2019/12/19 15:21:33.41	E OFF AOMORI PREF	40 30.79	142 10.71	50	5.5	196	1
777	2019/12/22 14:24:51.06	OSHIMA PEN REG HOKKAIDO	42 3.94	140 26.23	10	4.2	30	6
778	2020/1/28 19:13:48.15	E OFF AOMORI PREF	40 58.97	142 0.13	57	4.2	149	0.1
779	2020/2/12 19:36:35.02	ISHIKARI DEPRESSION	42 42.08	141 58.51	41	4.2	147	0.2
780	2020/2/13 19:33:45.11	SE OFF ETOROFU	45 3.38	149 9.72	155	7.2	777	1
781	2020/3/19 1:32:40.85	S OFF TOMAKOMAI	42 6.54	141 39.22	34	4.0	90	1
782	2020/3/28 9:57:51.76	S OFF URAKAWA	41 55.31	142 21.22	70	5.0	143	1
783	2020/4/12 22:11:49.96	E OFF AOMORI PREF	41 43.64	141 58.69	44	4.3	112	1
784	2020/4/20 5:39:05.21	KINKAZAN REGION	38 53.29	142 5.93	46	6.2	350	1
785	2020/4/30 12:15:20.92	E OFF AOMORI PREF	40 50.45	142 49.44	34	5.3	214	1
786	2020/5/17 12:29:54.34	UCHIURA BAY REGION	42 13.75	140 35.27	17	3.6	44	2
787	2020/5/31 3:13:49.22	SE OFF TOKACHI	42 31.35	143 42.14	94	5.6	265	0.4
788	2020/7/12 18:32:22.45	E OFF AOMORI PREF	40 52.94	143 9.30	22	4.9	236	0.2
789	2020/7/13 10:42:46.61	E OFF AOMORI PREF	41 2.42	142 47.12	31	4.9	200	0.4
790	2020/8/1 19:18:49.39	UCHIURA BAY REGION	41 55.80	140 58.08	8	2.4	30	1
791	2020/9/11 5:22:16.61	OSHIMA PEN REG HOKKAIDO	41 43.46	140 16.01	12	3.2	33	0.4
792	2020/9/12 11:44:09.69	E OFF MIYAGI PREF	38 43.37	142 16.26	43	6.2	373	0.4
793	2020/9/13 19:44:42.24	E OFF AOMORI PREF	40 41.72	142 40.60	41	4.7	213	0.2
794	2020/11/6 17:56:39.53	E OFF AOMORI PREF	40 55.99	143 14.83	17	5.7	241	1
795	2020/11/7 2:16:56.96	E OFF AOMORI PREF	40 57.46	143 14.35	18	5.3	239	0.4
796	2021/2/13 23:07:50.51	E OFF FUKUSHIMA PREF	37 43.73	141 41.91	55	7.3	465	3
797	2021/3/20 18:09:44.83	KINKAZAN REGION	38 28.08	141 37.66	59	6.9	384	1
798	2021/5/1 10:27:26.90	E OFF MIYAGI PREF	38 10.44	141 44.40	51	6.8	418	1



余白

## 8. 位相特性の違いによる地震動への影響確認

## 8. 位相特性の違いによる地震動への影響確認

### 位相特性の違いによる地震動への影響確認

- 収集した8つの観測記録について、模擬地震波の検討にあたって考慮すべき観測記録として選定するか総合的に判断した結果、検討に適した観測記録は得られなかった。
- しかしながら、位相特性の違いによる地震動への影響を確認することとし、地盤条件の類似性を重視して、模擬地震波の検討に用いる観測記録を改めて選定する。

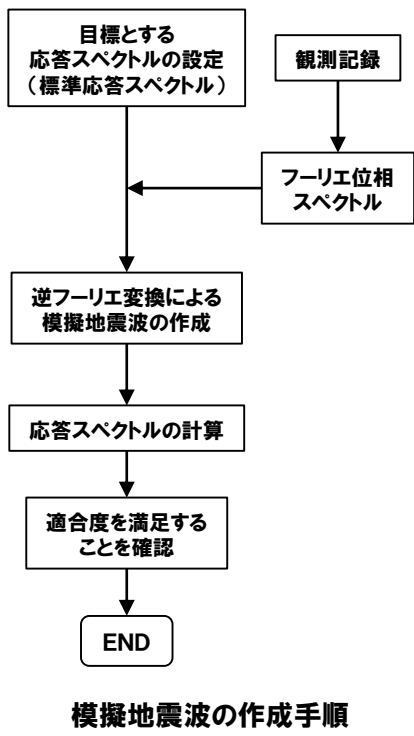
#### 【地盤条件の類似性を重視した観測記録の選定結果】

- 2001/11/27後志地方の地震(M3.8)SBSH03赤井川, 2017/8/13後志地方の地震(M3.5)SBSH03赤井川および2014/7/8胆振地方の地震(M5.6)IBUH05白老の3記録については、観測点の地震計が地震基盤相当面のS波速度(2400m/s)に対応する比較的硬質な岩盤中に設置されていないことから選定しない。
- 2014/7/8胆振地方の地震(M5.6)IBUH07大滝およびSBSH08喜茂別の2記録については、観測記録の信頼性の観点からは、観測位相を用いた模擬地震波の検討に用いる観測記録として適切と考えられるものの、地震計設置以浅の速度構造に泊発電所と差異があることから選定しない。
- 2017/8/13後志地方の地震(M3.5)SBSH04共和, 2001/11/27後志地方の地震(M3.8)SBSH05倶知安および2010/8/14後志地方の地震(M2.5)SBSH05倶知安の3記録については、観測記録の信頼性がやや劣る(地震規模が小さいことから、最大加速度が小さく、SN比も小さい)ものの、泊発電所の地盤条件と一部類似性が認められることから、この3記録の中から観測記録を選定することとし、より泊発電所の地盤条件と類似性が認められる2017/8/13後志地方の地震(M3.5)SBSH04共和の観測記録を選定する。

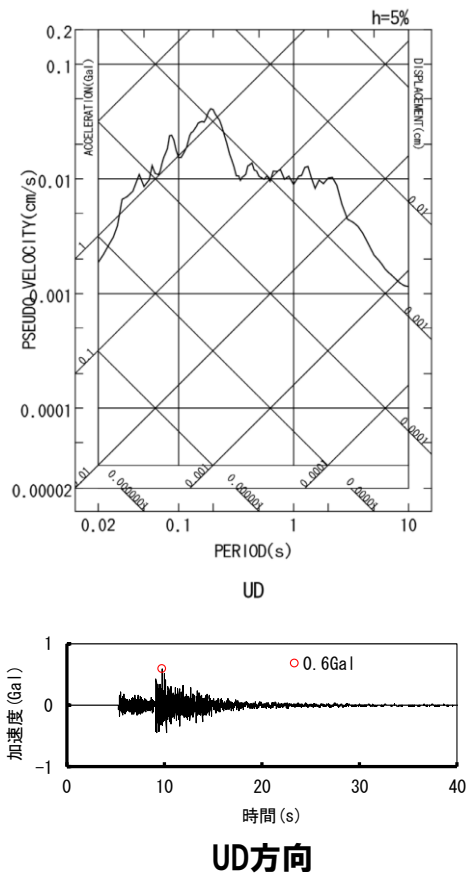
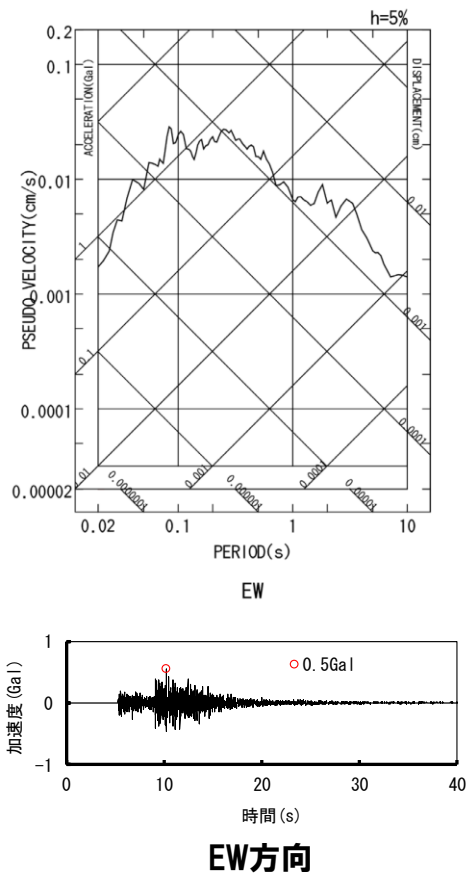
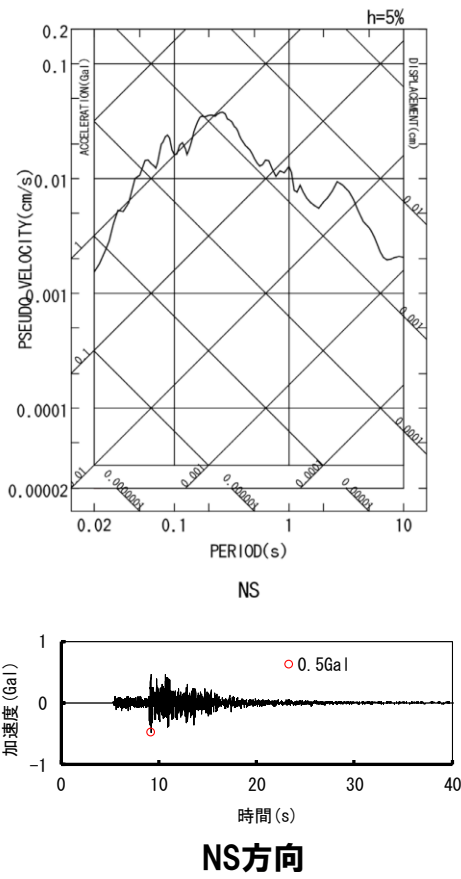
No	地震発生時刻	震央地名	観測点名	特異な位相特徴の有無	検討項目								
					観測記録の信頼性					地盤条件の類似性			
					地震規模(M)	観測記録の最大加速度(Gal)	S N比	継続時間	地震計設置位置 S波速度	地震計設置位置以浅 速度構造	構成地質		
1	2001/11/27 13:28:31	後志地方	SBSH03 赤井川	無	3.8	小	3	小	小	長い	不適	—	—
2			SBSH05 倶知安	無		小	3	小	小	やや短い	適切	一部類似性あり	一部類似性あり
3	2010/08/14 09:11:00	後志地方	SBSH05 倶知安	無	2.5	小	0.4	小	小	やや短い	適切	一部類似性あり	一部類似性あり
4	2017/08/13 19:40:18	後志地方	SBSH03 赤井川	無	3.5	小	2	小	小	長い	不適	—	—
5			SBSH04 共和	無		小	0.5	小	小	長い	適切	類似性あり	類似性あり
6	2014/07/08 18:05:24	胆振地方	IBUH05 白老	無	5.6	適切	217	適切	適切	やや短い	不適	—	—
7			IBUH07 大滝	無		適切	68	適切	適切	やや短い	適切	差異あり	一部類似性あり
8			SBSH08 喜茂別	無		適切	18	適切	適切	やや短い	適切	差異あり	一部類似性あり

# 8. 位相特性の違いによる地震動への影響確認

- 選定した2017/8/13後志地方の地震(M3.5)SBSH04共和の観測記録を用いて、以下の手順により観測記録を用いた模擬地震波を作成する。
- 観測位相を用いる際の経時特性は、実観測波の経時特性として、観測記録のフーリエ位相スペクトルを反映する。
- 適合条件は、日本電気協会(2015)に記載された判定基準を満足させる。
- なお、水平方向については、応答スペクトルの形状や最大加速度を踏まえ、EW方向を用いて検討する。

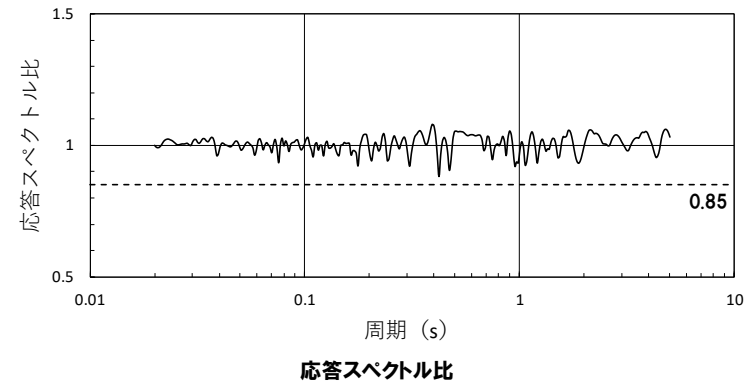
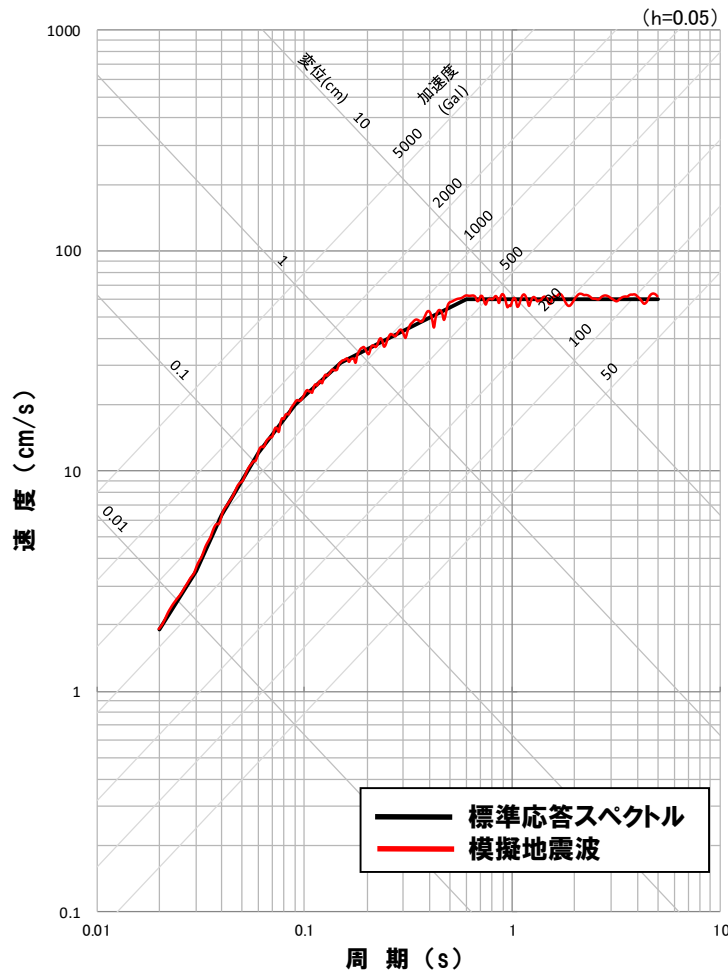


## 実観測記録



## 8. 位相特性の違いによる地震動への影響確認

### 観測位相を用いた模擬地震波の作成結果(水平方向)



	作成結果
① 応答スペクトル比 R(T)	0.88 ≥ 0.85
② SI比	1.01 ≥ 1.0

$$\textcircled{1} R(T) = \frac{S_{V1}(T)}{S_{V2}(T)} \geq 0.85 \quad (0.02 \leq T)$$

T: 周期 (s)

$S_{V1}(T)$ : 模擬地震波の応答スペクトル (cm/s)

$S_{V2}(T)$ : 目標とする応答スペクトル (cm/s)

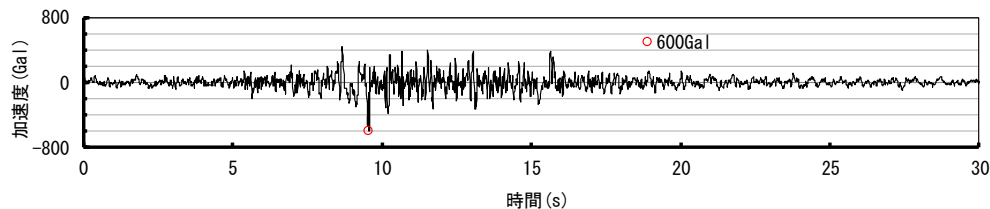
$$\textcircled{2} \text{SI比} = \frac{\int_{0.1}^{2.5} S_V(T) dt}{\int_{0.1}^{2.5} \bar{S}_V(T) dt} \geq 1.0$$

SI: 応答スペクトル強さ

$S_V(T)$ : 模擬地震波の応答スペクトル (cm/s)

$\bar{S}_V(T)$ : 目標とする応答スペクトル (cm/s)

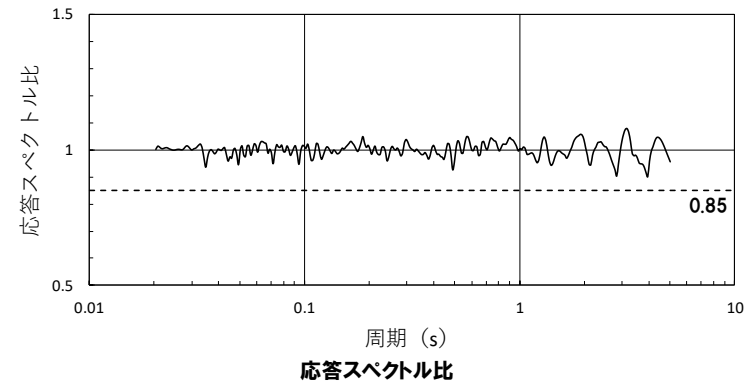
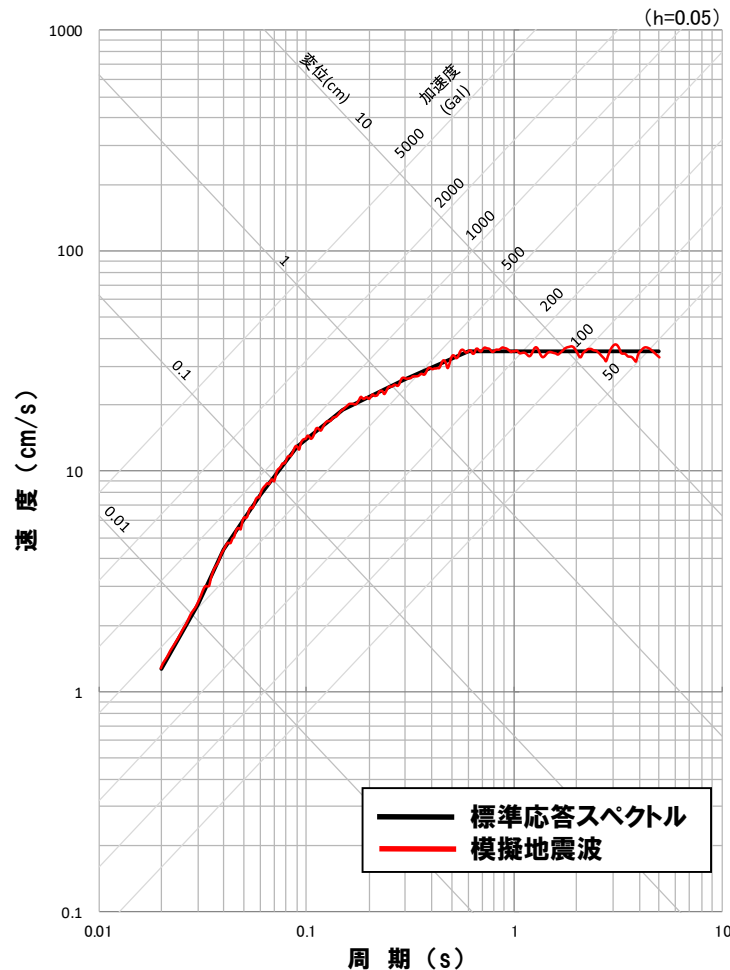
T: 固有周期 (s)



○作成した模擬地震波は、日本電気協会(2015)に示される適合度の条件を満足していることを確認した。

# 8. 位相特性の違いによる地震動への影響確認

## 観測位相を用いた模擬地震波の作成結果(鉛直方向)



	作成結果
① 応答スペクトル比 $R(T)$	$0.90 \geq 0.85$
② SI比	$1.00 \geq 1.0$

$$\textcircled{1} R(T) = \frac{S_{V1}(T)}{S_{V2}(T)} \geq 0.85 \quad (0.02 \leq T)$$

T: 周期(s)

$S_{V1}(T)$ : 模擬地震波の応答スペクトル(cm/s)

$S_{V2}(T)$ : 目標とする応答スペクトル(cm/s)

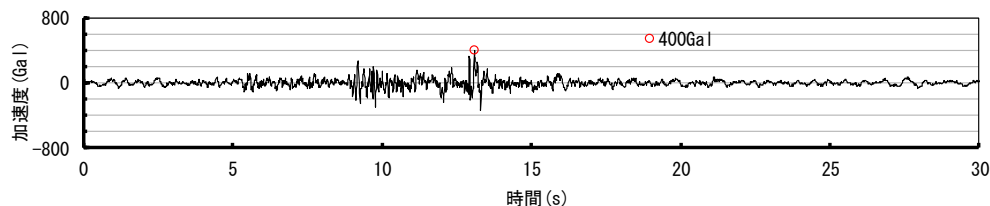
$$\textcircled{2} \text{SI比} = \frac{\int_{0.1}^{2.5} S_V(T) dt}{\int_{0.1}^{2.5} \bar{S}_V(T) dt} \geq 1.0$$

SI: 応答スペクトル強さ

$S_V(T)$ : 模擬地震波の応答スペクトル(cm/s)

$\bar{S}_V(T)$ : 目標とする応答スペクトル(cm/s)

T: 固有周期(s)

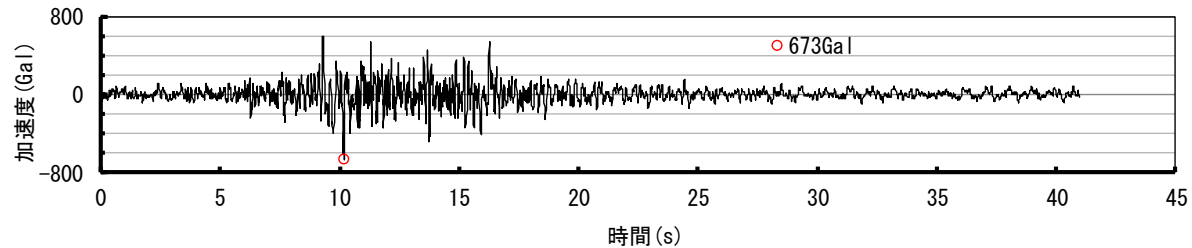


○作成した模擬地震波は、日本電気協会(2015)に示される適合度の条件を満足していることを確認した。

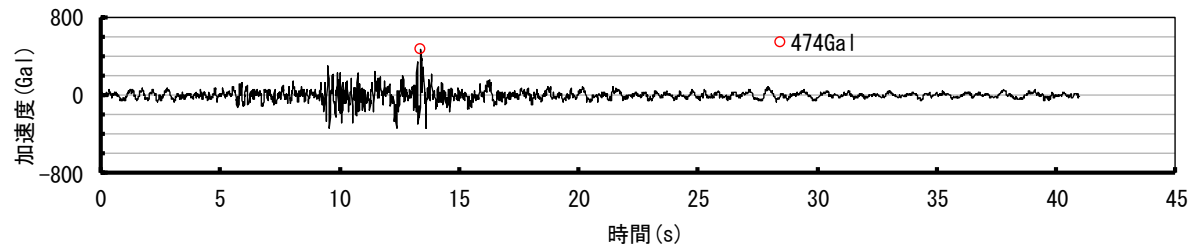
## 8. 位相特性の違いによる地震動への影響確認

○「3. 1 乱数位相を用いた模擬地震波の作成」で検討した模擬地震波について、「2. 地下構造モデルの設定」で検討した地下構造モデルを用いて、解放基盤表面での模擬地震波を評価する。

観測位相波\_\_加速度時刻歴波形(水平方向)



観測位相波\_\_加速度時刻歴波形(鉛直方向)



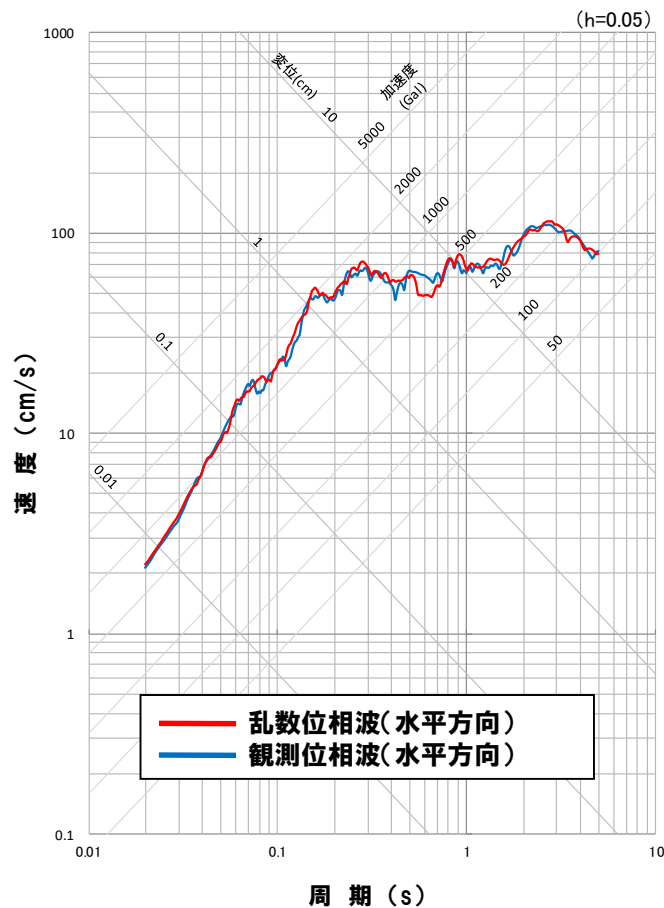
模擬地震波	最大加速度(Gal)
水平方向	673
鉛直方向	474

## 8. 位相特性の違いによる地震動への影響確認

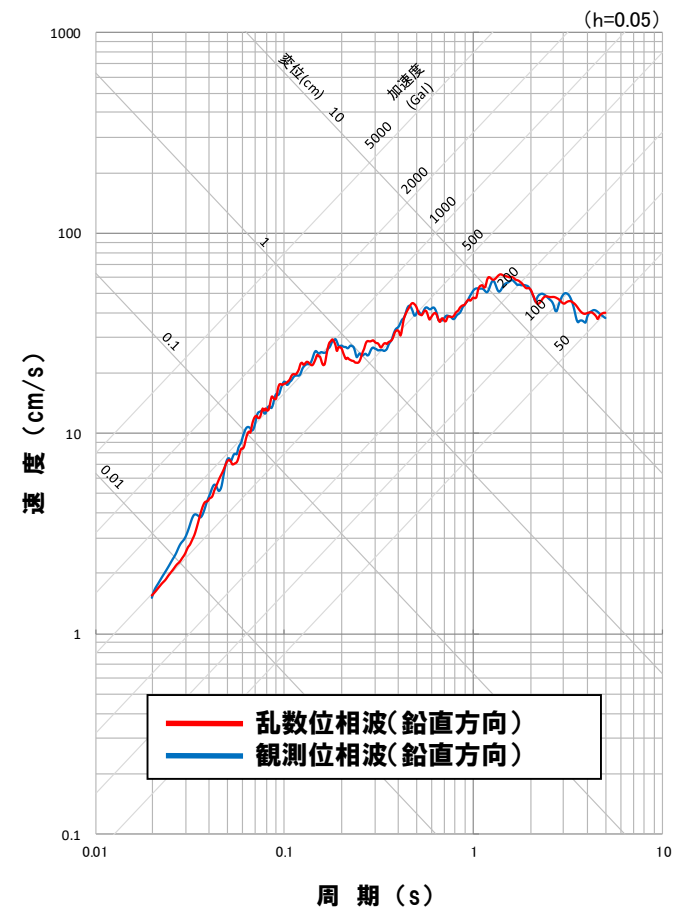
### 応答スペクトルの比較

○乱数位相を用いた模擬地震波と観測位相を用いた模擬地震波の解放基盤表面での応答スペクトルを比較した結果、両者は同程度となっている。

#### 応答スペクトル(水平方向)



#### 応答スペクトル(鉛直方向)





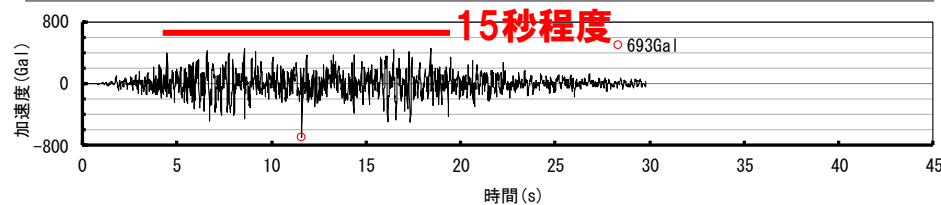
## 8. 位相特性の違いによる地震動への影響確認

### 時刻歴波形の比較

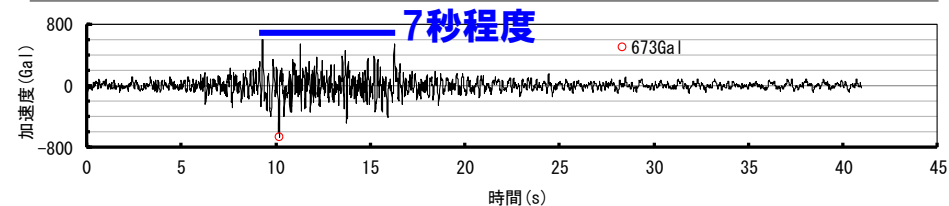
○時刻歴波形を比較すると、乱數位相を用いた模擬地震波の方が水平方向、鉛直方向とも最大加速度が大きく、比較的振幅の大きい波(最大加速度値の0.5倍以上の振幅)の継続時間が長い。

- ・水平方向:乱數位相波が15秒程度、観測位相波が7秒程度
- ・鉛直方向:乱數位相波が11秒程度、観測位相波が4秒程度

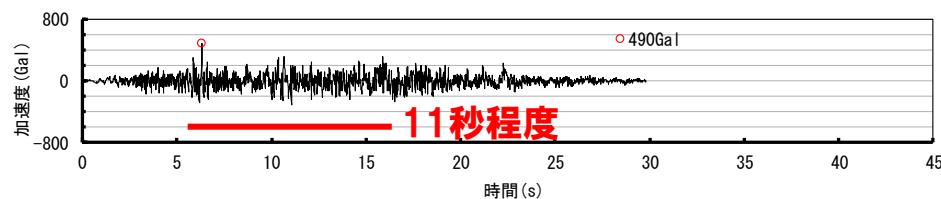
#### 乱數位相波\_\_加速度時刻歴波形(水平方向)



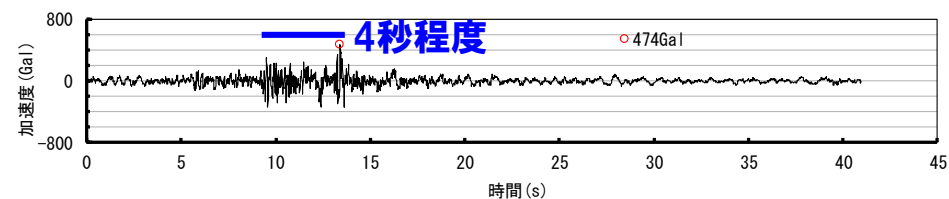
#### 観測位相波\_\_加速度時刻歴波形(水平方向)



#### 乱數位相波\_\_加速度時刻歴波形(鉛直方向)



#### 観測位相波\_\_加速度時刻歴波形(鉛直方向)



○位相特性の違いによる地震動への影響を確認するため、観測位相を用いた模擬地震波を検討し、標準応答スペクトルを考慮した地震動評価として設定した乱數位相を用いた模擬地震波と比較した。

○以下の比較検討結果を踏まえ、乱數位相を用いた模擬地震波を標準応答スペクトルを考慮した地震動として設定することには影響を与えないものと考えている。

- ・解放基盤表面での両者の応答スペクトルが同程度
- ・乱數位相を用いた模擬地震波の方が最大加速度が大きく、比較的振幅の大きい波の継続時間も長い

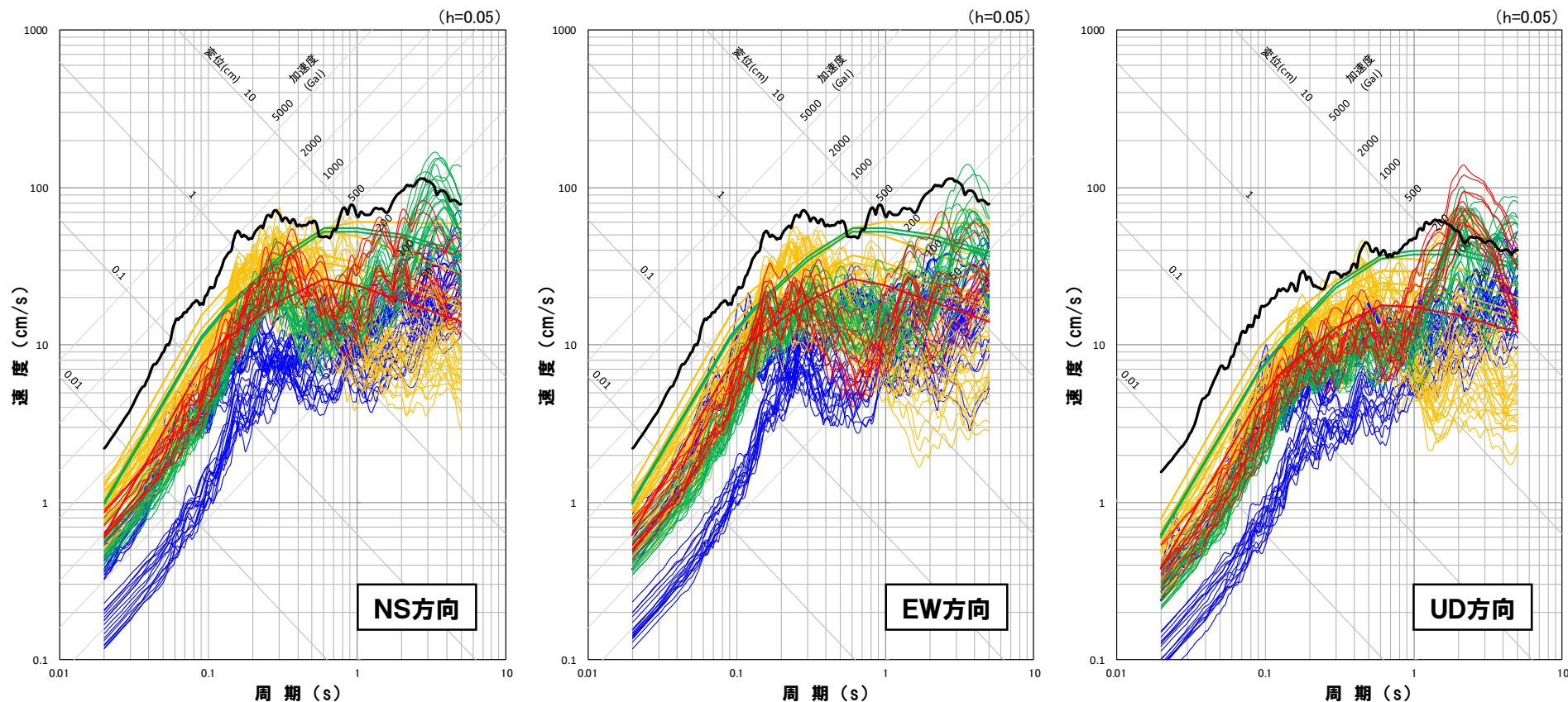
## 9. 地震動評価結果の比較

# 9. 地震動評価結果の比較

再掲 (R4.5.13審査会合資料)

## 敷地ごとに震源を特定して策定する地震動との比較

○標準応答スペクトルを考慮した地震動と敷地ごとに震源を特定して策定する地震動(令和3年10月22日審査会合)の比較を下図に示す。



【震源を特定せず策定する地震動】

— 標準応答スペクトルを考慮した地震動

【敷地ごとに震源を特定して策定する地震動】

— 尻別川断層による地震

—  $F_S-10$ 断層～岩内堆東撓曲～岩内堆南方背斜による地震

— 積丹半島北西沖の断層による地震

—  $F_B-2$ 断層による地震

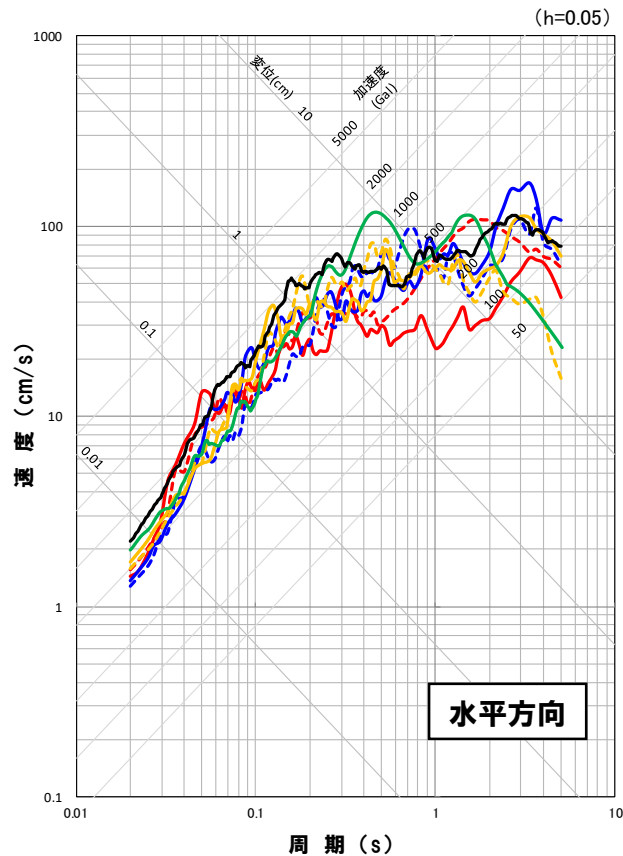
※太線は応答スペクトルに基づく地震動評価結果

## 9. 地震動評価結果の比較

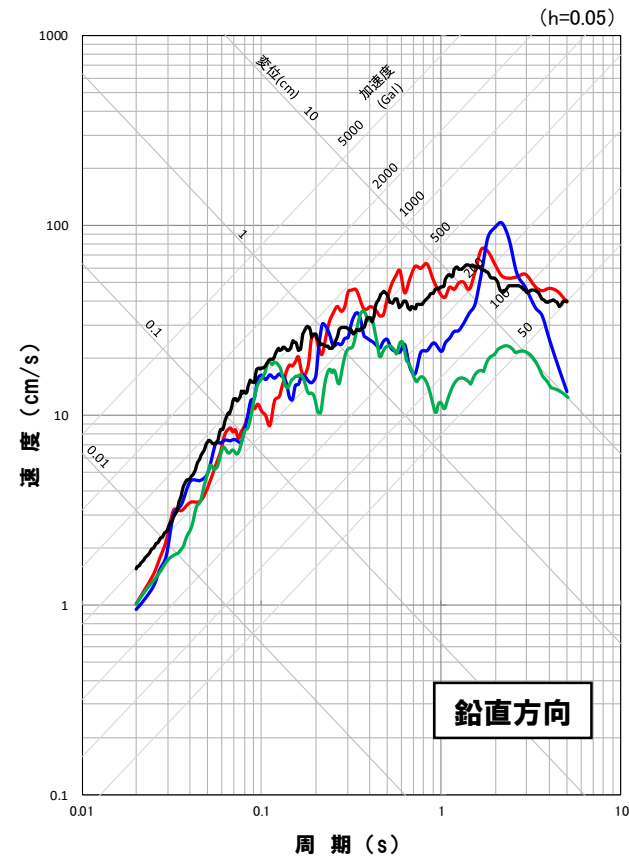
再掲 (R4.5.13審査会合資料)

### 震源を特定せず策定する地震動との比較

○標準応答スペクトルを考慮した地震動と震源を特定せず策定する地震動(平成27年12月25日審査会合)の比較を下図に示す。



実線: NS方向, ダム軸方向  
破線: EW方向, 上下流方向



- 標準応答スペクトルを考慮した地震動
- 2008年岩手・宮城内陸地震(栗駒ダム[右岸地山])
- 2008年岩手・宮城内陸地震(KiK-net金ヶ崎)
- 2008年岩手・宮城内陸地震(KiK-net一関東)
- 2004年北海道留萌支庁南部地震(K-NET港町)

- 物理探査ハンドブック(1999):公益社団法人物理探査学会
- 太田外気晴・丹羽正徳・高橋克也・八幡夏恵子(1985):物理探査と室内試験から評価される $V_p$ ,  $V_s$ 及びポアソン比の関係, 日本地震学会講演予稿集, 1985年春季大会, B12, 108
- 独立行政法人 防災科学技術研究所(2005):石狩低地東縁断層帯の地震を想定した地震動予測地図作成手法の検討, 防災科学技術研究所研究資料 第283号
- 気象庁:地震年報(1923~2012)
- 佐藤智美・川瀬博・佐藤俊明(1994a):ボアホール観測記録を用いた表層地盤同定手法による工学的基盤波の推定及びその統計的経時特性, 日本建築学会構造系論文集, 461, 19-28
- 気象庁ホームページ:各種データ・資料「<https://www.jma.go.jp/jma/menu/menureport.html>」